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ChemRisk/Shonka Research Associates, Inc., Document Request Form

(This section to be completed by subcontractor requesting document)

J. Lamb / 1034A

Requestor — Document Center (is requested to provide the following document)

Date of request 9/14/95 Expected receipt of document 10/14/95

Document number none Date of document 1961

Title and author (if document is unnumbered)

Environmental Conditions - Industrial Relations Division - 1961

⇒ Please copy the entire folder

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Date request received 9/14/95

Date submitted to ADC 10/10/95

Date submitted to HSA Coordinator 9/14/95

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Date document received

Signature

ChemRisk Document No. 2419

This document has been approved for release to the public by:

Jay W. Hall for ASQ 12/27/95

Technical Information Officer Date

Oak Ridge K-25 Site

Union Carbide Nuclear Company, Oak Ridge Gaseous Diffusion Plant, Operating Contractor for the U.S. Atomic Energy Commission.

ENVIRONMENTAL CONDITIONS - INDUSTRIAL RELATIONS DIVISION - 1961

(With Deletions)

ALPHA CONTAMINATION AUDIT REPORT

ocation 302-4 CANTEEN (0905) Date 11/-15-61

Supervisor in Charge A.C. CARPER Total Work Area 1,350 ft²

Operations in Progress

Protective Measures in Force

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	0	0
	Area Factor (Total)	0	0
	Area Factor (Wipe)	0	0

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
ALPHA CONTAMINATION LEVELS ON ALL SURFACES LESS THAN PAL						
*						

	Range Surface	(c/m) Wipe	Weighting Factor	
Class 0	*	–	0	Total ft²
Class I	500-2000	100-500	1	
Class II	2000-10,000	500-2000	5	
Class III	>10,000	>2000	20	
			Grand Total (ft²)	

BZ < PAL

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

* ONLY ONE EMPLOYEE VISITED CANTEEN DURING SURVEY - NO PERSONNEL BADGES MADE

-2-

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem. Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS:

Inspector _____ Op. Supervisor S. Trevarthan Date 11/15/

CA

10-25-61 1:45 PM K302-4 Canteen

1005	<100	<100 I	<100
1075	<100	<100 I	<100
1075	<100	<100 P	<100
1075	<100	<100 I	150
1075	<100	<100 I	<100
1075	<100	<100 P	<100
1075	900	<100 I	1500
1075	<100	200 I	<100
1077	<100	<100 I	<100

J B Bergeron
Ed Bolinger

ALPHA CONTAMINATION AUDIT REPORT

Location: K-25 Plant (0905) Date: 5-15-61

Supervisor in Charge: H. E. Carter Total Work Area: [illegible] ft²

Operations in Progress: Building Cleaning [illegible]

Protective Measures in Force:

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	[illegible]	[illegible]
	Area Factor (Total)	[illegible]	[illegible]
	Area Factor (Wipe)	[illegible]	[illegible]

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Floor					<100	<100
Lab Bldg Area - Hot Lab					<100	<100
Sanitary Toilet					<100	<100
[illegible]					<100	<100
Eating Toilet					<100	<100

	Range Surface	(c/m) Wipe	Weighting Factor			
Class 0	*	–	0	Total ft²	—	—
Class I	500-2000	100-500	1		[illegible]	[illegible]
Class II	2000-10,000	500-2000	5		[illegible]	[illegible]
Class III	> 10,000	> 2000	20		[illegible]	[illegible]
			Grand Total (ft²)		[illegible]	[illegible]

Rejected

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
North End	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible] End	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
SUMMARY: Air Samples	[illegible]	No. Taken		For Samples > P.A.L.	Total	Total [illegible]
	0	No. > P.A.L.			%	Average [illegible]
	—	% > P.A.L.				

REMARKS:

Inspector [illegible] Op. Supervisor [illegible] Date 6/5/61

2-1-61 2100 TM K 2024

					Supervi-
				Remarks	
1002	400	150	150		
1002	[illegible]	[illegible]	[illegible]		
1013	200	[illegible]	650		
1013	400	250	[illegible]		
1013	400	400	[illegible]		
1077	[illegible]	200	[illegible]		
1002	400	250	400		
1077	400	200	[illegible]		
1075	[illegible]	250	400		

J. G. Ka[illegible]

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

BUILDING LOCATION: K-302-4 CANTEEN (IBM 1-48)

DIVISION CODE	LOCATION CODE
07 (49-50)	31 (51-52)

AUDITED BY (SIGNATURE): W. H. [illegible]

REVIEWED WITH (SIGNATURE): [illegible]

FIXED PROTECTION (Personal - Fire)

IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
	01 (53 - 54)	3 (55 - 58)	3 (59 - 62)	11/22/61 (63 - 70)

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Sprinkler System	1		Fire Extinguishers	1	
Emergency Exits	1		Protective Equip. Supply		
Emergency Station			P. A. System		
Evacuation Alarm			Safety Showers		
Eye Baths			Standpipes		
Fire Alarm Boxes			Other (Note in Remarks)		
Fire Doors					

PART UNSATISFACTORY

1. Container
2. Contents
3. Door
4. Fusible Link
5. Hardware
6. Hose
7. Identification Light
8. Nozzle
9. Operating Instructions
10. Piping
11. Respiratory Equipment
12. Rack
13. Rollers
14. Sprinkler Head
15. Stop Valve
16. Track
17. Unit
18. Other

UNSATISFACTORY CONDITION

1. Damaged
2. Deteriorated
3. Dirty
4. Improperly Stored
5. Inaccessible or Blocked
6. Inadequate
7. Inoperative
8. Leaking
9. Location Not Indicated
10. Missing
11. Not Labelled
12. Not Lighted
13. Not Posted
14. Out of Test Date
15. Unsealed
16. Other (Note in Remarks

REMARKS:

ENVIRONMENTAL CONTROL

IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
	02 (53 - 54)	9 (55 - 58)	6 (59 - 62)

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Cleanliness, Orderliness	1111	1 (4 *)	Radiation (Thermal)		
Disposal of Scrap; Waste	1		Radiation (Arc, Ionizing)		
Protection of Hazardous or Flammable Refuse	1	1 (2 **)	Traffic Control		
Storage — Material and Equipment	1		Illumination		
Storage — Compressed Gas Cylinders			Ventilation	1	
Vegetation Control			Other (Note in Remarks)	1	1 (2-27) ***

TYPE OF LOCATION

. Grounds
. Lunch Room
. Office
. Storage Area
Washroom
Work Area

UNSATISFACTORY CONDITION

1. Creates Fire Hazard
2. Dirty
3. Excessive Accumulation
4. Excessive Glare
5. Fire Lanes Blocked
6. Inadequate Barricades
7. Inadequate Insulation
8. Inadequate Sheilding
9. Inadequate Traffic Markers
10. Inadequate or Improper Ventilation Equipment
11. Inadequate Warning Signs
12. Incorrect Lighting Fixtures
13. Inoperative Equipment
14. Insufficient Illumination
15. Materials Not Stored in Designated Areas
16. Material Protruding into Aisles
17. Metal Cap Missing
18. No Containers
19. Not Properly Secured
20. Pedestrian Lanes Not Indicated
21. Poor Arrangement
22. Poorly Stacked
23. Unsafe Method Used
24. Wrong Type Container
25. Special Hazards Not Marked
26. Ventilation Equipment Not Being Used
27. Other (Note in Remarks)

REMARKS: (4 *) CLOTHING PILED ON BOXES

(2 **) LID NOT USED FOR CONTAINER FOR PAPER SCRAP

(***) ~~[illegible]~~ WALK IN BOX CAN BE PADLOCKED — AND WHEN LOCKED IT CANNOT BE OPENED FROM THE INSIDE

01 - Fixed Protection 02 - Environmental Control

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

WORK SURFACES	IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
		03	3	3
		53 - 54	55 - 58	59 - 62

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
La			Ladder (stationery)		
Exit	1		Platforms		
Floors	1		Scaffolds		
Furniture			Stairs		
Ladder (portable)	1		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS	IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
		04		
		53 - 54	55 - 58	59 - 62

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Combustible Gas			Steam (Bld Ht.- Below 250 psig)		
Flammable Liquid			Steam (High Pressure - above - 250 psig)		
Toxic or Corrosive Liquid			Air		
Toxic or Corrosive Gas			Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Cleaning Tank	9. Insulation	1. Broken	9. Kinked
2. Controls	10. Pipe	2. Corroded	10. Leaking
3. Couplings	11. Regulators	3. Damaged	11. Missing
4. Metal Containers	12. Safety Devices	4. Deteriorated	12. Not Pinned
5. Glass Containers	13. Tubing	5. Inadequate	13. Not Properly Identified
6. Hose	14. Valves	6. Inadequate Pressure Rating	14. Not Sealed
7. Grounding	15. Vents	7. Incorrect	15. Not Shielded
8. Guards or Supports	16. Housing	8. Inoperative	16. Plugged
	17. Other (Note in Remarks)		17. Other (Note in Remarks)

IEM

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

ELECTRICAL	IBM	CLASS CODE 05 (53 - 54)	NO. INSPECTED 9 (55 - 58)	NO. SATISFACTORY 6 (59 - 62)

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM - CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Corded Equipment	///	/// (8 - 5)
Utilization Equipment	///	
Other (Note in Remarks)		
High Voltage Equipment (Above 480 Volts)		
Disconnects		
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Box Covers
3. Conduit
4. Connectors
5. Breaker
6. Grounds
7. Ground Mats
8. Identification
9. Inspection Date and Tag
10. Insulation
11. Plugs
12. Receptacles
13. Safety Switch
14. Switch
15. Warning Signs
16. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Does Not Meet Plant Specifications
6. Exposed Terminals
7. Missing
8. Not Provided
9. Ungrounded
10. Unguarded
11. Other (Note in Remarks)

REMARKS:

WORK PRACTICES	IBM	CLASS CODE 06 (53 - 54)	NO. INSPECTED / (55 - 58)	NO. SATISFACTORY / (59 - 62)

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling			Use of Safe Attire		
Use of Tools	/		Use of Personnel Portective Devices		
Use and Maintenance of Machines & Equipment			Work Habits		
Use of Ionizing Radiation Sources					

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Use
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
	07	4	3
	53 - 54	55 - 58	59 - 62

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Powered		
Hand	///	/ (13-7)
Hydraulic		
Pneumatic Powered		
Powder Actuated		
Laboratory Glassware		

UNSATISFACTORY TOOL

1. Axe
2. Buffer
3. Cable Cutter
4. Chipper
5. Chisel
6. Drill
7. File
8. Grinder
9. Hammer
10. Hatchet
11. Impact Wrench
12. Jack
13. Knife
14. Nail Puller
15. Pliers
16. Punch
17. Sander
18. Saw
19. Screwdriver
20. Shears
21. Soldering Iron
22. Stud Driver
23. Tongs
24. Wire Brush
25. Wrench
26. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Dull
5. Edge Not Guarded
6. Guarding
7. Handle Broken
8. Handle Loose
9. Handle Missing
10. Handle Rough
11. Improper Angle on Cutting Edge
12. Improper Ground
13. Improper Storage
14. Inspection Date and Tag
15. Mushroomed Head
16. Insulation Broken
17. No Handle Guard
18. No Locking Pin
19. Plug Broken
20. Spread Jaws
21. Worn
22. Worn Jaws
23. Other (Note in Remarks)

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
	08	/	/
	53 - 54	55 - 58	59 - 62

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor			Power Truck		
Chain Hoist			Tractor		
Electric Hoist			Plant Railway		
Winch or Tugger			Skid		
Sling			Pallet		
Lifting Fixture			Bicycle		
Dolley			Bus		
Hand Truck	/		Passenger Car		
Wheelbarrow			Motor Truck		
Fork Truck			Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders
2. Bell
3. Brakes
4. Bumping Post
5. Cable
6. Chain
7. Clearance Markers
8. Controls
9. Couplings
10. Crank
11. Crossing Signals
12. Crossing Signs
13. Dead Man Controls
14. Deck
15. Dog
16. Exhaust
17. Fittings
18. Forks
19. Frame
20. Glass
21. Grounding Connection
22. Guards
23. Handles
24. Handrails
25. Hitches
26. Hooks
27. Horn
28. Interlocks
29. Lights
30. Limitswitches
31. Road Bed
32. Rope
33. Runers
34. Switches
35. Ties
36. Track
37. Wheels
38. Whistle
39. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Construction
3. Corroded
4. Cracked
5. Damaged
6. Deteriorated
7. Illegible
8. Improperly Adjusted
9. Improperly Located
10. Inadequate
11. Inoperative
12. Kinked
13. Maintenance
14. Missing
15. Overloaded
16. Protruding Fastenings
17. Other (Note in Remarks)

REMARKS:

UCN - 2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS—COMPRESSED GAS CYLINDERS

IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
	09	1	1
	53 - 54	55 - 58	59 - 62

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Air Tank			Freon Tank		
Air Receivers			HF Tank		
Boilers			UF_6 Containers		
Compressed Gas Cylinders	1		Water Storage Heaters		
Fluorine Tank			Other (Note in Remarks)		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
. Appliances	8. Identification	1. Broken	8. Indistinct	15. Past Due
. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Plugged
. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Unsecured
. Dikes	11. Shell	4. Deterioated	11. Missing	18. Other (Note in Remarks)
. Drip Pans	12. Test	5. Inadequate	12. Not Sealed	
Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Shielded	
Grounding or Bonding	14. Other (Note in Remarks)	7. Incorrect	14. Open Valve	

EMARKS:

SAFETY AUDIT REPORT
UCN - 2021 (1 9-60)

MACHINERY AND EQUIPMENT	IBM	CLASS CODE 10	NO. INSPECTED 3	NO. SATISFACTORY 3
		53 - 54	55 - 58	59 - 62

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Pedestal Grinder			Press Brake		
Blower			Pulverizer		
Boring Mill			Pump		
Centrifuge			Saw (band - metal)		
Compressor			Saw (band - wood)		
Crusher			Saw (circular - metal)		
Diesels (stationary)			Saw (circular- -wood)		
Drill Press			Saw (jig)		
Fans	///		Saw (power - rip)		
Forming Rolls			Saw (radial)		
Gear Cutter			Saw (swing)		
Grinding Machine			Screw Machine		
Hobber			Shaper (metal)		
Jointer			Shaper (wood)		
Lathe (engine)			Shears		
Lathe (turret)			Slicer		
Lathe (woodworking)			Welding or Cutting Unit Oxyacetylene - Manual		
Mi			Welding or Cutting Unit Electric - Manual		
utter			Welding or Cutting Unit Oxyacetylene - Automatic		
Planer (metal)			Welding or Cutting Unit Electric - Automatic		
Planer (wood)					
Power Press			Other (Note in Remarks)		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	12. Feed Device	23. Limit Stop	1. Broken	11. Rough
2. Blowpipe	13. Grounding	24. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (electrode)	14. Guard	25. Regulator	3. Defective	13. Valve Open
4. Cable (power)	15. Guard (belt)	26. Safety Device	4. Improperly Adjusted	14. Wrong Size or Type
5. Chip Screen	16. Guard (gears)	27. Screens	5. Improperly Located	15. Other (Note in Remarks)
6. Clamp or Vise	17. Guard (projecting stock)	28. Spindle	6. Improperly Secured	
7. Controls	18. Guard (splash)	29. Tool Rest	7. Inadequate	
8. Cylinder Cart	19. Guard (tool or die)	30. Torch	8. Inoperative	
9. Cylinder	20. Guard (wheel)	31. Wheel Dressing	9. Maintenance	
10. Dust Collector	21. Hose	32. Other (Note in Remarks)	10. Missing	
11. Flanges	22. Inspection Date and Tag			

REMARKS:

AFETY AUDIT REPORT 2

CN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
02-4	Canteen	07	31	01	3	3	6/28/61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
utc Sprinkler System	1		Fire Extinguishers	2	
mergency Exits	—		Protective Equip. Supply	—	
nergency Station	—		P. A. System	—	
vacuation Alarm	—		Safety Showers	—	
ye Baths	—		Standpipes	—	
ire Alarm Boxes	—		Other (Note in Remarks)	—	
ire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
Container	10. Piping	1. Contents Not Labelled	9. Leaking
Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
Entire Unit	12. Rack	3. Deteriorated	11. Missing
Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
Nozzle	17. Other	8. Inoperative	
Operating Instructions			

EMARKS:

ENVIRONMENTAL CONTROL

BUILD	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
02-4	Canteen	07	31	02	9	9	6/28/61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
ousekeeping	2		Radiating Surfaces	1	
umination	2		Traffic Control	1	
aterial Containment	2		Ventilation	1	
adiation	—		Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Areas
Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

EMARKS:

DITED BY (SIGNATURE)	REVIEWED WITH (SIGNATURE)

- Fixed Protection
- Environmental Control

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
302-4	Canteen	07	31	03	7	7	6/28/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART-REASON)	SURFACES CHECKED		NO. UNSATISFACTORY (PART-REASON)
Car	—		Ladder (stationery)	—	
Exit	3		Platforms	—	
Floors	2		Scaffolds	—	
Furniture	2		Stairs	—	
Ladder (portable)	—		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
302-4	Canteen	07	31	04	1	1	6/28/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART-CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Fluorine	—		Steam (Bldg Ht - Below 15 psig)	1	
Hydrofluoric Acid	—		Steam (Low Pressure - 15-250 psig)	—	
Natural Gas	—		Steam (High Pressure - above 250 psig)	—	
Pyrofax	—		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
Carboys	10. Identification	1. Broken	10. Kinked
Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
Controls	12. Pipe	3. Damaged	12. Missing
Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
Drums	14. Tubing	5. Inadequate	14. Not Sealed
Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
Hose	16. Housing	7. Incorrect	16. Plugged
Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
Guards or Supports		9. Inoperative	

REMARKS:

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REVIEWED WITH (SIGNATURE)

03 - Work Surfaces
04 - Piping & Containers

ıFETY AUDIT REPORT

N-2021 (1 9-60)

ELECTRICAL

LDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
02-4	Canteen	07	31	05	15	6	6/28/61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

IT INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
w ge Equipment elow 480 Volts)	✓	
rded Equipment	9	9(8-5) 1959
lization Equipment	6	1(*)
gh Voltage Equipment bove 480 Volts)	✓	
sconnects		
rating Equipment		
ıer (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other *(Note in Remarks)*

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
5. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

MARKS:

* Power panel obstructed by wooden shelfs.

WORK PRACTICES

LDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
02-4	Canteen	07	31	06	6	6	6/28/61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
terials Handling	1		Use of Safe Attire	1	
e of Tools	1		Use of Personnel Protective Devices	1	
e and Maintenance of chines & Equipment	1		Work Habits	1	
e of Ionizing diation Sources	—				

UNSAFE ACT OBSERVED

- Suspended Load Carried Over Employees
- Failed to Use Crane Hand Signals
- Failed to Use Warning Device
- Regularly Used Limit Switch to Stop Motion
- Materials Stored, Mixed, or Combined to Create a Hazard
- Flammables Handled in Unapproved Safety Can
- Incorrect Tool Used
- Unsafe Tool Used
- Tool Used Improperly
- Machine Operated at Unsafe Speed
- 11. Machine Left Running Unattended
- 12. Operating With Safety Device Removed
- 13. Incorrect Safety Device Used
- 14. Operating With Safety Device Improperly Adjusted
- 15. Respiratory Protection Not Worn
- 16. Improper Respiratory Protection Worn
- 17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
- 18. Working on Equipment Not Secured Against Unexpected Operation
- 19. Passenger Permitted to Ride in Unsafe Manner
- 20. Operable Radiation Survey Meter Not at Job Site
- 21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
- 22. Entrance Made (Under Unsafe Act No. 21)
- 23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
- 24. Film Badge Not Worn
- 25. Eye Protection Not Worn
- 26. Improper Eye Protection
- 27. Hard Hats Not Worn
- 28. Gloves Not Worn
- 29. Smoking in Posted Areas
- 30. Eating in Posted Areas

:MARKS:

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SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
302-4	Canteen	07	31	07	4	4	6/28
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered	—	
Hand	4	
Hydraulic	—	
Pneumatic Powered	—	
Powder Actuated	—	

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Re
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
302-4	Canteen	07	31	08	0	0	6/28/
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITI
Conveyor	—		Power Truck	—	
Chain Hoist	—		Tractor	—	
Electric Hoist	—		Plant Railway	—	
Winch or Tugger	—		Skid	—	
Sling	—		Pallet	—	
Lifting Fixture	—		Bicycle	—	
Dolley	—		Bus	—	
Handtruck	—		Passenger Car	—	
Wheelbarrow	—		Motor Truck	—	
Fork Truck	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Crossing Signals	25. Hitches	39. Other (Note in Remarks)
12. Cr g Signs	26. Hooks	
13. D n Control	27. Horn	
De.	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
302-4	Canteen	07	31	09	2	2	6/28
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIO
Acet. . ank	—		Freon Tank	—	
Air Receivers	—		HF Tank	—	
Boilers	—		UF_6 Containers	—	
Compressed Gas Cylinders	2		Water Storage Heaters	—	
Fluorine Tank	—		Other *(Note in Remarks)*	—	

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other *(Note in Remarks)*
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other *(Note in Remarks)*	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

BCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
302-4	Canteen	07	31	10	2	2	6/28/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto. .c Arc Cutting Unit	—		Oxygen-Arc Cutting Unit	—	
Automatic Arc Welding Unit	—		Paper Cutter	—	
Bench or Pedestal Grinder	—		Planer (metal)	—	
Blower	—		Planer (wood)	—	
Boring Mill	—		Power Press	—	
Centrifuge	—		Press Brake	—	
Compressor	/		Pulverizer	—	
Crusher	—		Pump	—	
Diesels (stationary)	—		Saw (band - metal)	—	
Drill Press	—		Saw (band - wood)	—	
Fans	—		Saw (circular - metal)	—	
Forming Rolls	—		Saw (circular - wood)	—	
Gear Cutter	—		Saw (jig)	—	
Grinding Machine	—		Saw (power - rip)	—	
Hobber	—		Saw (radial)	—	
Jointer	—		Saw (swing)	—	
Lathe (engine)	—		Screw Machine	—	
ret)	—		Shaper (metal)	—	
ame (woodworking)	—		Shaper (wood)	—	
nual Arc Cutting Unit	—		Shears	—	
nual Arc Welding Unit	—		Slicer	—	
xer	/		Other (Note in Remarks)	—	

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
Dust Collector	19. Hose		9. Maintenance	
Flanges	20. Inspection Date and Tag		10. Missing	

:MARKS:

ITED BY (SIGNATURE) Neil B. Schwartz

REVIEWED WITH (SIGNATURE) Larry B. Carpenter

-19-

10 - Machinery and Equipment

K-402-7

ALPHA CONTAMINATION AUDIT REPORT

Location K-402-7 Canteen (0907) Date 5-18-61

Supervisor in Charge H.E. Cooper Total Work Area 1400 ft²

Operations in Progress Routine Canteen Service

Protective Measures in Force

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	0.0	0.0
	Area Factor (Total)	0.0	0.0
	Area Factor (Wipe)	0.0	0.0

SPECIFIC LOCATION	Area (ft²) and Class of Contamination: Surface		Wipe		Maximum Reading (c/m): Surface	Wipe
Floors -					200	<100
Serving counters -					<100	<100
Table (metal)					<100	<100
Eating area -					<100	<100
Storage Area - food & equip -					<100	<100

	Range (c/m) Surface	Wipe	Weighting Factor				
Class 0	*	–	0	Total ft²	—	—	B+J < P.A.L.
Class I	500-2000	100-500	1		0	0	
Class II	2000-10,000	500-2000	5		0	0	
Class III	>10,000	>2000	20		0	0	
			Grand Total (ft²)		0	0	

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr) Hands	Shoes Personal	Shoes Issue	Clothing Personal	Clothing Issue	Gloves	Rem. Ref. No.
None checked								
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
East End -	HP465	1:33	10	160	0/0	0.01
West End -	" 466	1:45	10	160	0/0	0.01

SUMMARY:						
Air Samples	2	No. Taken	For Samples > P.A.L.	Total	Total 0.02
	0	No. > P.A.L.		%	Average 0.01
	—	% > P.A.L.			

REMARKS:

Inspector [signature] Op. Supervisor [signature] Date 6/5/61

Records File

CAFETERIA AND CANTEEN PERSONNEL CHECKS

Date 5-18-61 Time 1:30 Location K-401-7 Canteen

Name	Security Number	Dept. Number	Hands	Shoes	Clothes	Remarks	Supervisor Notified
		1075	<100	200	<100		
		1007	<100	400	200		
		1007	150	400	200		
		1007	450	500	200		
		1007	<100	400	600		
		1077	<100	300	300		
		1002	400	500	500	Gloves -	1400
		1002	250	600	300		
		1002	400	250	250		

P - Personal
I - Plant Issued

1/21/53

Health Physics Inspectors

[illegible]

[illegible]

Records File

CAFETERIA AND CANTEEN PERSONNEL CHECKS

Date 3-29-61 Time 1:45 PM. Location 40 r-T.

Name	Security Number	Dept. Number	Hands	Shoes	Clothes	Remarks	Supervisor Notified
		1269	<100	200 I	<100		
		1013	<100	<100 I	<100		
		1077	<100	300 I	<100		
		1147	<100	<100 I	<100		
		1002	<100	300 I	<100		
		1005	400	3000 I	10000	BFS	
		1005	<100	2500 I	3500		
		1005	300	7000 I	4500	BFS.	
		1047	<100	<100 I	<100		
		1027	<100	<100 I	<100		

P - Personal
I Plant Issued

11/21/58

Health Physics Inspectors

J. B. Bomar

E. E. Eastridge

Files

CAFETERIA AND CANTEEN PERSONNEL CHECKS

Date 2-28-61 Time 2^00 P.M. Location K-402-7 Canteen

Name	Security Number	Dept. Number	Hands	Shoes	Clothes	Remarks	Supervisor Notified
		1023	<100	<100	<100		
		1077	800	700	3000		
		1077	500	800	8000	Notified Supervisor	
		1023	<100	<100	<100		
		1002	<100	<100	<100		
		1077	<100	<100	<100		
		1077	<100	<100	<100		
		1002	<100	<100	<100		
		1002	<100	<100	<100		
		1005	<100	700	500		

P - Personal
I - Plant Issued

1/21/58

Health Physics Inspectors

J. G. Kelly

E. B. Griffith

-24-

SAFETY AUDIT REPORT 2 hr

UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

BUILDING (IBM 1-5)	LOCATION (6-45)	DIVISION CODE (46-49)	LOCATION CODE (50-51)	CLASS CODE (52-53)	NO. INSPECTED (54-57)	NO. SATISFACTORY (58-61)	DATE (62-67)
402-7	Canteen	07	31	01	2	2	6/28/6

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto Sprinkler System	1		Fire Extinguishers	1	
Emergency Exits	—		Protective Equip. Supply	—	
Emergency Station	—		P. A. System	—	
Evacuation Alarm	—		Safety Showers	—	
Eye Baths	—		Standpipes	—	
Fire Alarm Boxes	—		Other (Note in Remarks)	—	
Fire Doors	—				

PART UNSATISFACTORY

1. Container
2. Door
3. Entire Unit
4. Fusible Link
5. Hardware
6. Hose
7. Identification Light
8. Nozzle
9. Operating Instructions
10. Piping
11. Respiratory Equipment
12. Rack
13. Rollers
14. Track
15. Sprinkler Head
16. Stop Valve
17. Other

UNSATISFACTORY CONDITION

1. Contents Not Labelled
2. Damaged
3. Deteriorated
4. Dirty
5. Improperly Stored
6. Inaccessible or Blocked
7. Inadequate
8. Inoperative
9. Leaking
10. Location Not Indicated
11. Missing
12. Operating Instructions Not Posted
13. Out of Test Date
14. Unsealed
15. Other (Note in Remarks)

REMARKS:

ENVIRONMENTAL CONTROL

BUILD. (IBM 1-5)	LOCATION (6-45)	DIVISION CODE (46-49)	LOCATION CODE (50-51)	CLASS CODE (52-53)	NO. INSPECTED (54-57)	NO. SATISFACTORY (58-61)	DATE (62-67)
402-7	Canteen	07	31	02	9	9	6/28/61

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	2		Radiating Surfaces	1	
Illumination	2		Traffic Control	1	
Material Containment	2		Ventilation	1	
Radiation	—		Other (Note in Remarks)	—	

TYPE OF LOCATION

1. Grounds
2. Lunch Room
3. Office
4. Storage Area
5. Washroom
6. Work Area

UNSATISFACTORY CONDITION

1. Accumulation of Combustibles
2. Accumulation of Scrap
3. Excessive Dust
4. Excessive Glare
5. Fire Lanes Blocked
6. Inadequate Barricades
7. Inadequate Insulation
8. Inadequate Material Storage
9. Inadequate Shielding
10. Inadequate Traffic Markers
11. Inadequate or Improper Ventilation Equipment
12. Inadequate Warning Signs
13. Incorrect Lighting Fixtures
14. Inoperative Equipment
15. Insufficient Illumination
16. Materials Not Stored in Designated Areas
17. Material Protruding into Aisles
18. Pedestrian Lanes Not Indicated
19. Special Hazards Not Marked or Illuminated
20. Ventilation Equipment Not Being Used
21. Other (Note in Remarks)

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
402-7	Canteen	07	31	03	7	7	6/28/6
BM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Cat	—		Ladder (stationery)	—	
Exit	3		Platforms	—	
Floors	2		Scaffolds	—	
Furniture	2		Stairs	—	
Ladder (portable)	—		Other *(Note in Remarks)*	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other *(Note in Remarks)*
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other *(Note in Remarks)*	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
402-7	Canteen	07	31	04	1	1	6/28/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine	—		Steam (Bldg Ht - Below 15 psig)	1	
Hydrofluoric Acid	—		Steam (Low Pressure - 15-250 psig)	—	
Natural Gas	—		Steam (High Pressure - above 250 psig)	—	
Pyrofax	—		Other *(Note in Remarks)*	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other *(Note in Remarks)*	8. Indistinct	17. Other *(Note in Remarks)*
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

03 - Work Surfaces
04 - Piping & Containers

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
402-7	Canteen	07	31	05	16	7	6/2
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62

ITEMS INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)	/	
Corded Equipment	9	9(8—5) 1959
Utilization Equipment	7	
High Voltage Equipment (Above 480 Volts)	/	
Disconnects	—	
Rotating Equipment	—	
Other (Note in Remarks)	—	

REMARKS:

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
5. Does Not Meet Plant Specificati
7. Not Provided
8. Ungrounded
9. Unguarded

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
402-7	Canteen	07	31	06	6	6	6/28/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	1	
Use of Tools	1	
Use and Maintenance of Machines & Equipment	1	
Use of Ionizing Radiation Sources	—	

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Use of Safe Attire	1	
Use of Personnel Protective Devices	1	
Work Habits	1	

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel c Enclosure, when Unsafe Because of Temperatur Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

05 - Electrical
06 - Work P

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
402-7	Canteen	07	31	07	3	3	6/28/
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Elec Powered	—	
Hand	3	
Hydraulic	—	
Pneumatic Powered	—	
Powder Actuated	—	

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Rema
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
402-7	Canteen	07	31	08	0	0	6/28/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor	—		Power Truck	—	
Chain Hoist	—		Tractor	—	
Electric Hoist	—		Plant Railway	—	
Winch or Tugger	—		Skid	—	
Sling	—		Pallet	—	
Lifting Fixture	—		Bicycle	—	
Dolley	—		Bus	—	
Handtruck	—		Passenger Car	—	
Wheelbarrow	—		Motor Truck	—	
Fork Truck	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Crossing Signals	25. Hitches	39. Other (Note in Remarks)
12. Cr g Signs	26. Hooks	
13. D n Control	27. Horn	
De.	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

MARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
402-7	Canteen	07	31	09	2	2	6/28/
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Acetylene Tank	—		Freon Tank	—	
Air Receivers	—		HF Tank	—	
Boilers	—		UF_6 Containers	—	
Compressed Gas Cylinders	2		Water Storage Heaters	—	
Fluorine Tank	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other (Note in Remarks)
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other (Note in Remarks)	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
402-7	Canteen	07	31	10	9	9	6/28/
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Arc Cutting Unit	—		Oxygen-Arc Cutting Unit	—	
Automatic Arc Welding Unit	—		Paper Cutter	—	
Bench or Pedestal Grinder	—		Planer (metal)	—	
Blower	—		Planer (wood)	—	
Boring Mill	—		Power Press	—	
Centrifuge	—		Press Brake	—	
Compressor	1		Pulverizer	—	
Crusher	—		Pump	—	
Diesels (stationary)	—		Saw (band - metal)	—	
Drill Press	—		Saw (band - wood)	—	
Fans	7		Saw (circular - metal)	—	
Forming Rolls	—		Saw (circular - wood)	—	
Gear Cutter	—		Saw (jig)	—	
Grinding Machine	—		Saw (power - rip)	—	
Hobber	—		Saw (radial)	—	
Jointer	—		Saw (swing)	—	
Lathe (engine)	—		Screw Machine	—	
Lathe (turret)	—		Shaper (metal)	—	
Lathe (woodworking)	—		Shaper (wood)	—	
Manual Arc Cutting Unit	—		Shears	—	
Manual Arc Welding Unit	—		Slicer	—	
Mixer	1		Other (Note in Remarks)	—	

UNSATISFACTORY PART

1. Anti Kickbacks
2. Cable (electrode)
3. Cable (power)
4. Chip Screen
5. Clamp or Vise
6. Controls
7. Cylinder Cart
8. Cylinder Securing
9. Dust Collector
10. Flanges
11. Feed Device
12. Grounding
13. Guard (belt)
14. Guard (gears)
15. Guard (projecting stock)
16. Guard (splash)
17. Guard (tool or die)
18. Guard (wheel)
19. Hose
20. Inspection Date and Tag
21. Limit Stop
22. Lockout Device
23. Safety Device
24. Screens
25. Spinde
26. Tool Rest
27. Wheel Dressing
28. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Damaged
3. Defective
4. Chip Screen
5. Improperly Adjusted
6. Improperly Located
7. Inadequate
8. Inoperative
9. Maintenance
10. Missing
11. Rough
12. Sharp Edged
13. Wrong Size or Type
14. Other (Note in Remarks)

REMARKS:

AUDITED BY (SIGNATURE) Neil B. Schmitt

REVIEWED WITH (SIGNATURE) [illegible]

-30-

FORTRAN

01	January 1978	Chromium	306

1–3	4–18	20–23	26–29	32–34
001	K-901 PUMPHOUSE	<.04	<.04	<.04
002	K-1206D TRAILER	<.04	<.04	<.04
003	RADIO TOWER	<.04	<.04	<.04
004	BLAIR ROAD	<.04	<.04	<.04
005	CREDIT UNION	<.04	<.04	<.04
006	WATTS BAR CABIN	<.04	<.04	<.04
007	WIND VANE P			
008	WIND VANE B			
009				
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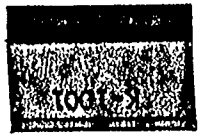

ALPHA CONTAMINATION AUDIT REPORT

Location K1001 CANTEEN & LUNCH ROOM (0904) Date 11/15/61

Supervisor in Charge _____ Total Work Area 1500 ft²

Operations in Progress _____

Protective Measures in Force _____

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	0	0
	Area Factor (Total)	0	0
	Area Factor (Wipe)	0	0

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
ALPHA CONTAMINATION LEVELS < PAL						

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS:

Inspector B.F. Thomas Op. Supervisor L. Trwathan Date 11/15/61

ALPHA CONTAMINATION AUDIT REPORT

ocation K-1001 Cafteen + L.R. (8904) Date 5-24-61

Supervisor-in Charge H. Harper Total Work Area 1,500 ft²

Operations in Progress

Protective Measures in Force

SUMMARY:

ALPHA CONTAMINATION		This Survey	Last Survey
	Index	0.0	
	Area Factor (Total)	0.0	
	Area Factor (Wipe)	0.0	

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Max. Readings.					<100	<100

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem. Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
SUMMARY: No. > P.A.L.								
No. Checked								
% Total Checks > P.A.L.								

None checked

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
Centers	HP474	1:07	10	130	0/0	0.01

SUMMARY:							
Air Samples	1	No. Taken		For Samples > P.A.L.	Total		Total 0.01
	0	No. > P.A.L.			%		Average 0.01
	—	% > P.A.L.					

REMARKS:

Inspector J. G. Kelly Op. Supervisor [illegible] Date 6/5/61

Special HP Job Audit JW ~~1) Sent~~
2) NDQ
3) files - SR

BETA-GAMMA RADIATION AUDIT REPORT

Location K-1001 Security Department - Bay 127 Date 3/13/61
Supervisor in Charge Capt. Burgess Total Work Area 165 ft²
Operations in Progress Photographic drying and storage

Protective Measures in Force

SUMMARY

RADIATION		This Survey	Last Survey
	β+γ Index	0.0	—
	β+γ Area Factor	0.0	—
	γ Area Factor	0.0	—

SPECIFIC LOCATION	7.5 mrep/hr Distance (ft)	Area (ft²) and Class of Radiation β+γ	Area (ft²) and Class of Radiation γ	Reading (mrep/hr) Maximum β+γ	Reading (mrep/hr) Maximum γ	Reading (mrep/hr) 1 ft. β+γ	Reading (mrep/hr) 1 ft. γ
NE corner of Bay 127							
Storage of normal	(Jura #248696)						
uranium slabs for							
film calibration exposure.							
File Cabinet # 12809							
A. Source in use (≈ 64 hrs/month)							
12"X12" slab exposed	2'			94 (@ contact)	4	18	18
C (α, β, γ = 200 mr/hr)							
α = 50,000 α c/m/60cm²							
B. Sources Stored							
2 @ 12"X12"		at contact →		0.7	0.7		
8 @ 6"X6"		with files					

	Range mrep/hr	Weighting Factor	Total ft²	β+γ
Class I	7.5 - 37.5	1		12
Class II	37.5 - 300	5		
Class III	300 - 3000	40		
Class IV	> 3000	400		
		Grand Total (ft²)		12

Maximum Reading β+γ 18 mr/hr @ 1'

WCX-2067 (10-53) K-25 SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem. Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
not checked								
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
not taken						
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS:

File drawer appropriately labeled "Normal Uranium — 1½ mr/hr @ 2' (Pure)".

Inspector N. B. Schultz Op. Supervisor R L Dagley Date 3/13/61

-3-

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE
K-1001 (B M 1-48)	CANTEEN	07 (49-50)	31 (51-52)

AUDITED BY (SIGNATURE) [illegible]

REVIEWED WITH (SIGNATURE) [illegible]

FIXED PROTECTION (Personal - Fire)	IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
		01 (53 - 54)	4 (55 - 58)	4 (59 - 62)	12-26-61 (63 - 70)

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Sprinkler System	1		Fire Extinguishers	111	
Emergency Exits			Protective Equip. Supply		
Emergency Station			P. A. System		
Evacuation Alarm			Safety Showers		
Eye Baths			Standpipes		
Fire Alarm Boxes			Other (Note in Remarks)		
Fire Doors					

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Damaged	10. Missing
2. Contents	11. Respiratory Equipment	2. Deteriorated	11. Not Labelled
3. Door	12. Rack	3. Dirty	12. Not Lighted
4. Fusible Link	13. Rollers	4. Improperly Stored	13. Not Posted
5. Hardware	14. Sprinkler Head	5. Inaccessible or Blocked	14. Out of Test Date
6. Hose	15. Stop Valve	6. Inadequate	15. Unsealed
7. Identification Light	16. Track	7. Inoperative	16. Other (Note in Remarks
8. Nozzle	17. Unit	8. Leaking	
9. Operating Instructions	18. Other	9. Location Not Indicated	

REMARKS:

ENVIRONMENTAL CONTROL	IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
		02 (53 - 54)	11 (55 - 58)	8 (59 - 62)

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Cleanliness, Orderliness	11		Radiation (Thermal)		
Disposal of Scrap; Waste	1		Radiation (Arc, Ionizing)		
Protection of Hazardous or Flammable Refuse			Traffic Control	1	
Storage — Material and Equipment	11	1 *	Illumination	11	
Storage — Compressed Gas Cylinders	11	11 * CO_2	Ventilation	1	
Vegetation Control			Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Creates Fire Hazard	10. Inadequate or Improper Ventilation Equipment	19. Not Properly Secured
2. Lunch Room	2. Dirty	11. Inadequate Warning Signs	20. Pedestrian Lanes Not Indicated
3. Office	3. Excessive Accumulation	12. Incorrect Lighting Fixtures	21. Poor Arrangement
4. Storage Area	4. Excessive Glare	13. Inoperative Equipment	22. Poorly Stacked
5. Washroom	5. Fire Lanes Blocked	14. Insufficient Illumination	23. Unsafe Method Used
6. Work Area	6. Inadequate Barricades	15. Materials Not Stored in Designated Areas	24. Wrong Type Container
	7. Inadequate Insulation	16. Material Protruding into Aisles	25. Special Hazards Not Marked
	8. Inadequate Sheilding	17. Metal Cap Missing	26. Ventilation Equipment Not Being Used
	9. Inadequate Traffic Markers	18. No Containers	27. Other (Note in Remarks)

REMARKS: * MOPS SHOULD PROBABLY BE HUNG & GLASS BOTTLES (COCA-COLA JUGS) ON FLOOR SHOULD BE PROTECTED FROM BREAKAGE.
** CYLINDERS NEED TO BE SECURED

01 - Fixed Protection 02 - Environmental Control

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

PAGE _____ OF _____

WORK SURFACES	IBM	CLASS CODE 03 (53 - 54)	NO. INSPECTED 9 (55/58)	NO. SATISFACTORY 8 (59 - 62)

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Cat			Ladder (stationery)		
Exit			Platforms	1	1 X
Floors	11		Scaffolds		
Furniture	~~HH~~		Stairs		
Ladder (portable)	1		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS: X CHAIN NOT KEPT IN PLACE ACROS PLATFORM OPENING AND SCREEN IS SO HINGED THAT IN ORDER TO CLEAN IT, PERSON STANDING WALKS ~~MORE~~ CLOSER TO EDGE OF PLATFORM THAN IF IT WERE SWUNG FROM OPOSITE SIDE OF DOOR JAM.

PIPING AND CONTAINERS	IBM	CLASS CODE 04 (53 - 54)	NO. INSPECTED 1 (55 - 58)	NO. SATISFACTORY 1 (59 - 62)

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Combustible Gas			Steam (Bld Ht.- Below 250 psig)	1	
Flammable Liquid			Steam (High Pressure - above - 250 psig)		
Toxic or Corrosive Liquid			Air		
Toxic or Corrosive Gas			Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Cleaning Tank	9. Insulation	1. Broken	9. Kinked
2. Controls	10. Pipe	2. Corroded	10. Leaking
3. Couplings	11. Regulators	3. Damaged	11. Missing
4. Metal Containers	12. Safety Devices	4. Deteriorated	12. Not Pinned
5. Glass Containers	13. Tubing	5. Inadequate	13. Not Properly Identified
6. Hose	14. Valves	6. Inadequate Pressure Rating	14. Not Sealed
7. Grounding	15. Vents	7. Incorrect	15. Not Shielded
8. Guards or Supports	16. Housing	8. Inoperative	16. Plugged
	17. Other (Note in Remarks)		17. Other (Note in Remarks)

REM

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ELECTRICAL	IBM	CLASS CODE 05 (53 - 54)	NO. INSPECTED 7 (55 - 58)	NO. SATISFACTORY 0 (59 - 62)

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM - CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Corded Equipment	IIII	IIII (9-5) 1959 2 NINE
Utilization Equipment	II	II. (8-8) *
Other (Note in Remarks)	/	/ **
High Voltage Equipment (Above 480 Volts)		
Disconnects		
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Box Covers
3. Conduit
4. Connectors
5. Breaker
6. Grounds
7. Ground Mats
8. Identification
9. Inspection Date and Tag
10. Insulation
11. Plugs
12. Receptacles
13. Safety Switch
14. Switch
15. Warning Signs
16. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Does Not Meet Plant Specifications
6. Exposed Terminals
7. Missing
8. Not Provided
9. Ungrounded
10. Unguarded
11. Other (Note in Remarks)

REMARKS:

* IN REPAINTING IDENTIFICATION of CIRCUMS ETC ON ELECTRICAL EQPT WAS COVERED OVER,

** 2 WIRE PLUG USED IN 3 WIRE STANDARD GROUNDED ELECTRICAL PROVIDES NO GROUND FOR SMALL HEATER

WORK PRACTICES	IBM	CLASS CODE 06 (53 - 54)	NO. INSPECTED 3 (55 - 58)	NO. SATISFACTORY 3 (59 - 62)

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	/		Use of Safe Attire	/	
Use of Tools			Use of Personnel Portective Devices		
Use and Maintenance of Machines & Equipment			Work Habits	/	
Use of Ionizing Radiation Sources					

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Use
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

SAFETY AUDIT REPORT

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HAND AND PORTABLE POWER TOOLS

IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
	07	3	3
	53 - 54	55 - 58	59 - 62

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
El[illegible] powered		
Hand	///	
Hydraulic		
Pneumatic Powered		
Powder Actuated		
Laboratory Glassware		

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
	~~08~~		
	53 - 54	55 - 58	59 - 62

QUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor			Power Truck		
Chain Hoist			Tractor		
Electric Hoist			Plant Railway		
Winch or Tugger			Skid		
Sling			Pallet		
Lifting Fixture			Bicycle		
Dolley			Bus		
Hand Truck			Passenger Car		
Wheelbarrow			Motor Truck		
Fork Truck			Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	9. Couplings	17. Fittings	25. Hitches	33. Runers
2. Bell	10. Crank	18. Forks	26. Hooks	34. Switches
3. Brakes	11. Crossing Signals	19. Frame	27. Horn	35. Ties
4. Bumping Post	12. Crossing Signs	20. Glass	28. Interlocks	36. Track
5. Cable	13. Dead Man Controls	21. Grounding Connection	29. Lights	37. Wheels
6. Chain	14. Deck	22. Guards	30. Limitswitches	38. Whistle
7. Clearance Markers	15. Dog	23. Handles	31. Road Bed	39. Other (Note in Remarks)
8. Controls	16. Exhaust	24. Handrails	32. Rope	

UNSATISFACTORY CONDITION

1. Broken	5. Damaged	9. Improperly Located	13. Maintenance	17. Other (Note in Remarks)
2. Construction	6. Deteriorated	10. Inadequate	14. Missing	
3. Corroded	7. Illegible	11. Inoperative	15. Overloaded	
4. Cracked	8. Improperly Adjusted	12. Kinked	16. Protruding Fastenings	

REMARKS:

SAFETY AUDIT REPORT 2 hr

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FIXED PROTECTION
(Personnel - Fire)

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1001	Canteen	07	31	01	3	3	6/29/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto Sprinkler System	1		Fire Extinguishers	2	
Emergency Exits	—		Protective Equip. Supply	—	
Emergency Station	—		P. A. System	—	
Evacuation Alarm	—		Safety Showers	—	
Eye Baths	—		Standpipes	—	
Fire Alarm Boxes	—		Other *(Note in Remarks)*	—	
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other *(Note in Remarks)*
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILD	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1001	Canteen	07	31	02	12	12	6/29/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	2		Radiating Surfaces	2	
Illumination	2		Traffic Control	2	
Material Containment	2		Ventilation	2	
Radiation	—		Other *(Note in Remarks)*	—	

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Areas
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other *(Note in Remarks)*
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1001	Canteen	07	31	03	8	8	6/29/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED		NO. UNSATISFACTORY (PART - REASON)
Cat.	—		Ladder (stationery)	—	
Exit	4		Platforms	—	
Floors	2		Scaffolds	—	
Furniture	2		Stairs	—	
Ladder (portable)	—		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1001	Canteen	07	31	04	2	2	6/29/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine	—		Steam (Bldg Ht - Below 15 psig)	1	
Hydrofluoric Acid	—		Steam (Low Pressure - 15-250 psig)	—	
Natural Gas	—		Steam (High Pressure - above 250 psig)	—	
Pyrofax	—		Other (Note in Remarks)	1	CO_2

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE)

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03 - Work Surfaces
04 - Piping & Containers

SAFETY AUDIT REPORT

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ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1001	Canteen	07	31	05	7	4	6/29/61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEMS INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)	/	
Corded Equipment	3	3(8-5) 1959
Utilization Equipment	4	
High Voltage Equipment (Above 480 Volts)	/	
Disconnects	—	
Rotating Equipment	—	
Other (Note in Remarks)	—	

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
5. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1001	Canteen	07	31	06	12	12	6/29/61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	2		Use of Safe Attire	2	
Use of Tools	2		Use of Personnel Protective Devices	2	
Use and Maintenance of Machines & Equipment	2		Work Habits	2	
Use of Ionizing Radiation Sources	—				

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

AUDITED BY (SIGNATURE)

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05 - Electrical
06 - Work Pr

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1001	Canteen	07	31	07	3	3	6/29/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Elec Powered	—	
Hand	3	
Hydraulic	—	
Pneumatic Powered	—	
Powder Actuated	—	

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other *(Note in Remarks)*
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other *(Note in Remarks)*
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1001	Canteen	07	31	08	0	0	6/29/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor	—		Power Truck	—	
Chain Hoist	—		Tractor	—	
Electric Hoist	—		Plant Railway	—	
Winch or Tugger	—		Skid	—	
Sling	—		Pallet	—	
Lifting Fixture	—		Bicycle	—	
Dolley	—		Bus	—	
Handtruck	—		Passenger Car	—	
Wheelbarrow	—		Motor Truck	—	
Fork Truck	—		Other *(Note in Remarks)*	—	

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Crossing Signals	25. Hitches	39. Other *(Note in Remarks)*
12. C g Signs	26. Hooks	
13. D n Control	27. Horn	
14. De	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other *(Note in Remarks)*
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE)	REVIEWED WITH (SIGNATURE)

07 - Power Tools
08 - Materials Handling

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1001	Canteen	07	31	09	3	3	6/29/61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Ace ank	—		Freon Tank	—	
Air Receivers	—		HF Tank	—	
Boilers	—		UF_6 Containers	—	
Compressed Gas Cylinders	2	CO_2	Water Storage Heaters	1	
Fluorine Tank			Other *(Note in Remarks)*	—	

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other *(Note in Remarks)*
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other *(Note in Remarks)*	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1001	Canteen	07	31	10	2	2	6/29/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto[illegible] Arc Cutting Unit	—		Oxygen-Arc Cutting Unit	—	
Automatic Arc Welding Unit	—		Paper Cutter	—	
Bench or Pedestal Grinder	—		Planer (metal)	—	
Blower	—		Planer (wood)	—	
Boring Mill	—		Power Press	—	
Centrifuge	—		Press Brake	—	
Compressor	1		Pulverizer	—	
Crusher	—		Pump	—	
Diesels (stationary)	—		Saw (band - metal)	—	
Drill Press	—		Saw (band - wood)	—	
Fans	—		Saw (circular - metal)	—	
Forming Rolls	—		Saw (circular - wood)	—	
Gear Cutter	—		Saw (jig)	—	
Grinding Machine	—		Saw (power - rip)	—	
Hobber	—		Saw (radial)	—	
Jointer	—		Saw (swing)	—	
Lathe (engine)	—		Screw Machine	—	
Lat[illegible]ret)	—		Shaper (metal)	—	
Lathe (woodworking)	—		Shaper (wood)	—	
Manual Arc Cutting Unit	—		Shears	—	
Manual Arc Welding Unit	—		Slicer	—	
Mixer	1		Other *(Note in Remarks)*	—	

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other *(Note in Remarks)*
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other *(Note in Remarks)*	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

AUDITED BY (SIGNATURE) Neil B. Schmitz

REVIEWED WITH (SIGNATURE) [illegible]

10 - Machinery and Equipment

RECEIVED

(5th)

Semi-annual

ALPHA CONTAMINATION AUDIT REPORT

ation K-1002 Cafeteria (0901) Date 7/21/61

Supervisor in Charge H. E. Carper Total Work Area 30,000 ft²

Operations in Progress Normal preparation for lunch

Protective Measures in Force Routine cleaning

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	0.0	0.0
	Area Factor (Total)	0.0	0.0
	Area Factor (Wipe)	0.0	0.0

SPECIFIC LOCATION	Area (ft²) and Class of Contamination		Maximum Reading (c/m)	
	Surface	Wipe	Surface	Wipe
Offices	—	—	<100	<100
Kitchen	—	—	<100	<100
Change room	—	—	<100	<100
Private dining rooms	—	—	<100	<100
Main Dining room + entrance	—	—	<100	<100
Rest rooms	—	—	<100	<100
Storage rooms	—	—	<100	<100

	Range Surface	Range Wipe	Weighting Factor		Surface	Wipe
Class 0	*	–	0	Total ft²		
Class I	500-2000	100-500	1		0	0
Class II	2000-10,000	500-2000	5		0	0
ss III	> 10,000	> 2000	20		0	0
			Grand Total (ft²)		0	0

Per < PAL

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rer Rot. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

BUILDING (IBM 1-48)	LOCATION	DIVISION CODE (49-50)	LOCATION CODE (51-52)
K-1082	CAFETERIA	07	31

AUDITED BY (SIGNATURE): F. Shinn

REVIEWED WITH (SIGNATURE): H. Elan

FIXED PROTECTION (Personal - Fire)

IBM	CLASS CODE (53-54)	NO. INSPECTED (55-58)	NO. SATISFACTORY (59-62)	DATE (63-70)
	01	10	8	11-17-61

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Sprinkler System	1		Fire Extinguishers	III	1 (17-16 *)
Emergency Exits	1		Protective Equip. Supply		
Emergency Station			P. A. System	1	
Evacuation Alarm			Safety Showers		
Eye Baths			Standpipes		
Fire Alarm Boxes	1	1 (7-12)	Other (Note in Remarks)	1	
Fire Doors					

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Damaged	10. Missing
2. Contents	11. Respiratory Equipment	2. Deteriorated	11. Not Labelled
3. Door	12. Rack	3. Dirty	12. Not Lighted
4. Fusible Link	13. Rollers	4. Improperly Stored	13. Not Posted
5. Hardware	14. Sprinkler Head	5. Inaccessible or Blocked	14. Out of Test Date
6. Hose	15. Stop Valve	6. Inadequate	15. Unsealed
7. Identification Light	16. Track	7. Inoperative	16. Other (Note in Remarks
8. Nozzle	17. Unit	8. Leaking	
9. Operating Instructions	18. Other	9. Location Not Indicated	

REMARKS: INSTRUCTION ON CO_2 FRENCH FRYER SYSTEM IS RATHER HARD TO SEE, SIGN MAY BE DESIRABLE.

* NOT ON IT'S HANGER DUE TO PALLET LEANING AGAINST POST.

ENVIRONMENTAL CONTROL

IBM	CLASS CODE (53-54)	NO. INSPECTED (55-58)	NO. SATISFACTORY (59-62)
	02	28	23

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Cleanliness, Orderliness	IIII	1 (ELECTRICAL SWITCH ROOM)	Radiation (Thermal)		
Disposal of Scrap; Waste	III		Radiation (Arc, Ionizing)		
Protection of Hazardous or Flammable Refuse	II	1 (**)	Traffic Control	III	
Storage — Material and Equipment	III	1 (*)	Illumination	III	1 (***)
Storage — Compressed Gas Cylinders	1	1 (6-19)	Ventilation	III	
Vegetation Control			Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Creates Fire Hazard	10. Inadequate or Improper Ventilation Equipment	19. Not Properly Secured
2. Lunch Room	2. Dirty	11. Inadequate Warning Signs	20. Pedestrian Lanes Not Indicated
3. Office	3. Excessive Accumulation	12. Incorrect Lighting Fixtures	21. Poor Arrangement
4. Storage Area	4. Excessive Glare	13. Inoperative Equipment	22. Poorly Stacked
5. Washroom	5. Fire Lanes Blocked	14. Insufficient Illumination	23. Unsafe Method Used
6. Work Area	6. Inadequate Barricades	15. Materials Not Stored in Designated Areas	24. Wrong Type Container
	7. Inadequate Insulation	16. Material Protruding into Aisles	25. Special Hazards Not Marked
	8. Inadequate Sheilding	17. Metal Cap Missing	26. Ventilation Equipment Not Being Used
	9. Inadequate Traffic Markers	18. No Containers	27. Other (Note in Remarks)

REMARKS: * A FEW ITEMS ON FILE CABINET & ON FLOOR WAREHOUSE ROOM,
" " " ON TOP of REFRIGERATION LOCKERS.

** COVERED METAL CONTAINER PREFERED FOR STORAGE of EMPTY BURLAP BAGS.

*** ELECTRICAL SWITCH ROOM

01 - Fixed Protection 02 - Environmental Control

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

WORK SURFACES	IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
		03	11	10
		53 - 54	55 - 58	59 - 62

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Cat.			Ladder (stationery)		
Exit	//		Platforms		
Floors	///		Scaffolds		
Furniture	////	1 (21-19)*	Stairs		
Ladder (portable)	/		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS: * OFFICE CHAIR HAS BACK MISSING

PIPING AND CONTAINERS	IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
		04	2	2
		53 - 54	55 - 58	59 - 62

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Combustible Gas			Steam (Bld Ht.- Below 250 psig)	//	
Flammable Liquid			Steam (High Pressure - above - 250 psig)		
Toxic or Corrosive Liquid			Air		
Toxic or Corrosive Gas			Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Cleaning Tank	9. Insulation	1. Broken	9. Kinked
2. Controls	10. Pipe	2. Corroded	10. Leaking
3. Couplings	11. Regulators	3. Damaged	11. Missing
4. Metal Containers	12. Safety Devices	4. Deteriorated	12. Not Pinned
5. Glass Containers	13. Tubing	5. Inadequate	13. Not Properly Identified
6. Hose	14. Valves	6. Inadequate Pressure Rating	14. Not Sealed
7. Grounding	15. Vents	7. Incorrect	15. Not Shielded
8. Guards or Supports	16. Housing	8. Inoperative	16. Plugged
	17. Other (Note in Remarks)		17. Other (Note in Remarks)

REM

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

ELECTRICAL	IBM	CLASS CODE 05 (53 - 54)	NO. INSPECTED 30 (55 - 58)	NO. SATISFACTORY 18 (59 - 62)

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM - CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Corded Equipment	~~IIII~~ ~~IIII~~	~~IIII~~ ~~IIII~~ (9-5)
Utilization Equipment	~~IIIII~~	1 (8-5)
Other (Note in Remarks)		
High Voltage Equipment (Above 480 Volts)		
Disconnects		
Rotating Equipment		
Other (Note in Remarks)		1 *

ITEMS UNSATISFACTORY

1. Boxes
2. Box Covers
3. Conduit
4. Connectors
5. Breaker
6. Grounds
7. Ground Mats
8. Identification
9. Inspection Date and Tag
10. Insulation
11. Plugs
12. Receptacles
13. Safety Switch
14. Switch
15. Warning Signs
16. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Does Not Meet Plant Specifications
6. Exposed Terminals
7. Missing
8. Not Provided
9. Ungrounded
10. Unguarded
11. Other (Note in Remarks)

REMARKS:

TAPED ENDS of 600 VOLT # 4 CONDUITS NEAR OVEN SHOULD TERMINATE IN A BOX.

WORK PRACTICES	IBM	CLASS CODE 06 (53 - 54)	NO. INSPECTED 13 (55 - 58)	NO. SATISFACTORY 10 (59 - 62)

ACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	IIII		Use of Safe Attire	III	
Use of Tools	III	1 * 1**	Use of Personnel Portective Devices		
Use and Maintenance of Machines & Equipment	I		Work Habits		
Use of Ionizing Radiation Sources					

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operatihg With Safety Device Removed
13. Incorrect Safety Device Use
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

* KNIFE LEFT ON MEAT BLOCK
* " " WITH POINT PROTRUDING OVER EDGE OF TABLE

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS	IBM	CLASS CODE 07 (53 - 54)	NO. INSPECTED 7 (55 - 58)	NO. SATISFACTORY 6 (59 - 62)

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
El owered		
Hand	IIII	1 (2L-)*
Hydraulic		
Pneumatic Powered		
Powder Actuated		
Laboratory Glassware		

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

* STEEL NEEDS BLADE STOP AT HANDLE.

MATERIALS HANDLING EQUIPMENT - VEHICLES	IBM	CLASS CODE 08 (53 - 54)	NO. INSPECTED 12 (55 - 58)	NO. SATISFACTORY 12 (59 - 62)

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor			Power Truck		
Chain Hoist			Tractor		
Electric Hoist			Plant Railway		
Winch or Tugger			Skid		
Sling			Pallet	IIII	
Lifting Fixture			Bicycle		
Dolley	IIII		Bus		
Hand Truck	1		Passenger Car		
Wheelbarrow			Motor Truck		
Fork Truck			Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	9. Couplings	17. Fittings	25. Hitches	33. Runers
2. Bell	10. Crank	18. Forks	26. Hooks	34. Switches
3. Brakes	11. Crossing Signals	19. Frame	27. Horn	35. Ties
4. Bumping Post	12. Crossing Signs	20. Glass	28. Interlocks	36. Track
5. Cable	13. Dead Man Controls	21. Grounding Connection	29. Lights	37. Wheels
6. Chain	14. Deck	22. Guards	30. Limitswitches	38. Whistle
7. Clearance Markers	15. Dog	23. Handles	31. Road Bed	39. Other (Note in Remarks)
8. Controls	16. Exhaust	24. Handrails	32. Rope	

UNSATISFACTORY CONDITION

1. Broken	5. Damaged	9. Improperly Located	13. Maintenance	17. Other (Note in Remarks)
2. Construction	6. Deteriorated	10. Inadequate	14. Missing	
3. Corroded	7. Illegible	11. Inoperative	15. Overloaded	
4. Cracked	8. Improperly Adjusted	12. Kinked	16. Protruding Fastenings	

RE :

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS—COMPRESSED GAS CYLINDERS	IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
		09	2	2
		53 - 54	55 - 58	59 - 62

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Ac ank			Freon Tank		
Air Receivers			HF Tank		
Boilers			UF_6 Containers		
Compressed Gas Cylinders	//		Water Storage Heaters		
Fluorine Tank			Other (Note in Remarks)		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Past Due
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Plugged
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Unsecured
4. Dikes	11. Shell	4. Deterioated	11. Missing	18. Other (Note in Remarks)
5. Drip Pans	12. Test	5. Inadequate	12. Not Sealed	
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Shielded	
7. Grounding or Bonding	14. Other (Note in Remarks)	7. Incorrect	14. Open Valve	

REMARKS:

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

MACHINERY AND EQUIPMENT	IBM	CLASS CODE 10 (53 - 54)	NO. INSPECTED 8 (55 - 58)	NO. SATISFACTORY 8 (59 - 62)

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
B[illegible] Pedestal Grinder	1		Press Brake		
Blower			Pulverizer		
Boring Mill			Pump		
Centrifuge			Saw (band - metal)		
Compressor			Saw (band - wood)		
Crusher			Saw (~~circular - metal~~) (MEAT)	1	
Diesels (stationary)			Saw (circular- -wood)		
Drill Press			Saw (jig)		
Fans	1111		Saw (power - rip)		
Forming Rolls			Saw (radial)		
Gear Cutter			Saw (swing)		
Grinding Machine			Screw Machine		
Hobber			Shaper (metal)		
Jointer			Shaper (wood)		
Lathe (engine)			Shears		
Lathe (turret)			Slicer	1	
Lathe (woodworking)			Welding or Cutting Unit Oxyacetylene - Manual		
M[illegible]	1		Welding or Cutting Unit Electric - Manual		
Paper Cutter			Welding or Cutting Unit Oxyacetylene - Automatic		
Planer (metal)			Welding or Cutting Unit Electric - Automatic		
Planer (wood)					
Power Press			Other (Note in Remarks)		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	12. Feed Device	23. Limit Stop	1. Broken	11. Rough
2. Blowpipe	13. Grounding	24. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (electrode)	14. Guard	25. Regulator	3. Defective	13. Valve Open
4. Cable (power)	15. Guard (belt)	26. Safety Device	4. Improperly Adjusted	14. Wrong Size or Type
5. Chip Screen	16. Guard (gears)	27. Screens	5. Improperly Located	15. Other (Note in Remarks)
6. Clamp or Vise	17. Guard (projecting stock)	28. Spindle	6. Improperly Secured	
7. Controls	18. Guard (splash)	29. Tool Rest	7. Inadequate	
8. Cylinder Cart	19. Guard (tool or die)	30. Torch	8. Inoperative	
9. Cylinder	20. Guard (wheel)	31. Wheel Dressing	9. Maintenance	
10. Dust Collector	21. Hose	32. Other (Note in Remarks)	10. Missing	
11. Flanges	22. Inspection Date and Tag			

REMARKS:

SAFETY AUDIT REPORT 3½ hr

UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1002	Cafeteria	07	31	01	11	11	6/29/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Auto Sprinkler System	1		Fire Extinguishers	8	
Emergency Exits	—		Protective Equip. Supply	—	
Emergency Station	—		P. A. System	1	
Evacuation Alarm	—		Safety Showers	—	
Eye Baths	—		Standpipes	—	
Fire Alarm Boxes	1		Other (Note in Remarks)	—	
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1002	Cafeteria	07	31	02	48	47	6/29/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	8	1(4-1,2) *	Radiating Surfaces	8	
Illumination	8		Traffic Control	8	
Material Containment	8		Ventilation	8	
Radiation	—		Other (Note in Remarks)	—	

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Areas
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

* Cardboard, metal pipe, "accent" cans, empty produce baskets, plastic, etc. (east end, North wing)

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

01 - Fixed Protection
02 - Environmental Contro.

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1002	Cafeteria	07	31	03	23	23	6/29/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED		NO. UNSATISFACTORY (PART - REASON)
Catwalk	—		Ladder (stationery)	—	
Exit	5		Platforms	—	
Floors	8		Scaffolds	—	
Furniture	8		Stairs	—	
Ladder (portable)	2		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1002	Cafeteria	07	31	04	302	302	6/29/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine	—		Steam (Bldg Ht - Below 15 psig)	1	
Hydrofluoric Acid	—		Steam (Low Pressure - 15-250 psig)	1	
Natural Gas	—		Steam (High Pressure - above 250 psig)	—	
Pyrofax	—		Misc. Cafe. stock Other (Note in Remarks)	300	(*)

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

* Produce, canned goods, de-liming solution, metal polish, steam, etc.

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

03 - Work Surfaces
04 - Piping & Containers

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1002	Cafeteria	07	31	05	73	44	6/29/61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEMS INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)	/	
Corded Equipment	24	15(8-5) 9(8-7)
Utilization Equipment	49	4(7-7) 1(10-5)
High Voltage Equipment (Above 480 Volts)	/	
Disconnects	—	
Rotating Equipment	—	
Other (Note in Remarks)	—	

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
5. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1002	Cafeteria	07	31	06	44	44	6/29/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	4		Use of Safe Attire	8	
Use of Tools	8		Use of Personnel Protective Devices	8	
Use and Maintenance of Machines & Equipment	8		Work Habits	8	
Use of Ionizing Radiation Sources	—				

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

05 - Electrical
06 - Work Practices

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1002	Cafeteria	07	31	07	20	20	6/29/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Elec. Powered	—	
Hand	20	
Hydraulic	—	
Pneumatic Powered	—	
Powder Actuated	—	

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1002	Cafeteria	07	31	08	58	58	6/29/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor	—		Power Truck	—	
Chain Hoist	—		Tractor	—	
Electric Hoist	—		Plant Railway	—	
Winch or Tugger	—		Skid	—	
Sling	—		Pallet	12	
Lifting Fixture	—		Bicycle	—	
Dolley	—		Bus	—	
Handtruck	45		Passenger Car	1	
Wheelbarrow	—		Motor Truck	—	
Fork Truck	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART

. Access Ladders	15. Dog	29. Lights
. Bell	16. Exhaust	30. Limitswitches
. Brakes	17. Fittings	31. Road Bed
. Bumping Post	18. Forks	32. Rope
. Cable	19. Frame	33. Runners
. Chain	20. Glass	34. Switches
. Clearance Markers	21. Grounding Connection	35. Ties
. Controls	22. Guards	36. Track
. Couplings	23. Handles	37. Wheels
. Crank	24. Handrails	38. Whistle
. Crossing Signals	25. Hitches	39. Other (Note in Remarks)
. Cr[illegible] Signs	26. Hooks	
. D[illegible]n Control	27. Horn	
. Dec..	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

07 - Power Tools
08 - Materials Handling

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING (1-5)	LOCATION (6-45)	DIVISION CODE (46-49)	LOCATION CODE (50-51)	CLASS CODE (52-53)	NO. INSPECTED (54-57)	NO. SATISFACTORY (58-61)	DATE (62-67)
1002	Cafeteria	07	31	09	4	4	6/29/61

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Acetylene Tank	—		Freon Tank	—	
Air Receivers	—		HF Tank	—	
Boilers	/		UF_6 Containers	—	
Compressed Gas Cylinders	/		Water Storage Heaters	/	
Fluorine Tank	—		Other (Note in Remarks) coffee maker	/	

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other (Note in Remarks)
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other (Note in Remarks)	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

09 - Pressure Vessels & Gas Cylinders

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1002	Cafeteria	07	31	10	30	30	6/29/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto. .c Arc Cutting Unit	—		Oxygen-Arc Cutting Unit	—	
Automatic Arc Welding Unit	—		Paper Cutter	—	
Bench or Pedestal Grinder	1		Planer (metal)	—	
Blower	—		Planer (wood)	—	
Boring Mill	—		Power Press	—	
Centrifuge	—		Press Brake	—	
Compressor	1		Pulverizer	1	
Crusher	1		Pump	—	
Diesels (stationary)	—		Saw (band - metal)	—	
Drill Press	—		Saw (band - wood)	1	
Fans	18		Saw (circular - metal)	—	
Forming Rolls	—		Saw (circular - wood)	—	
Gear Cutter	—		Saw (jig)	—	
Grinding Machine	1		Saw (power - rip)	—	
Hobber	—		Saw (radial)	—	
Jointer	—		Saw (swing)	—	
Lathe (engine)	—		Screw Machine	—	
Lat ret)	—		Shaper (metal)	—	
Lathe (woodworking)	—		Shaper (wood)	—	
Manual Arc Cutting Unit	—		Shears	—	
Manual Arc Welding Unit	—		Slicer	1	1(14-2) (on order)
Mixer	1		Other (Note in Remarks)	4	*

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

* Veg. cutter & slicer, potato peeler, chopper, salad conditioning unit.

AUDITED BY (SIGNATURE) Neil B. Schmitz

REVIEWED WITH (SIGNATURE) Jerry E. Campos

10 - Machinery and Equipment

K-1003

ALPHA CONTAMINATION AUDIT REPORT

Location K 1003 LUNCH ROOM (0903) Date 11/15/61

Supervisor in Charge Mr. J.S. LYON Total Work Area 150 ft²

Operations in Progress

Protective Measures in Force

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index		
	Area Factor (Total)	0.0	0.0
	Area Factor (Wipe)		

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
NO ALPHA CONTAMINATION DETECTED						

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS:

Inspector [signature] Op. Supervisor [signature] Date 11/15/61

ALPHA CONTAMINATION AUDIT REPORT

:ation K-1003 Dispensary (D91D) Date 6/28/61
Supervisor in Charge J. S. LYON, M.D. Total Work Area 14,800 ft²
Operations in Progress Normal shift operations (Justice, "C" shift)
Protective Measures in Force

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	0	0
	Area Factor (Total)	0	0
	Area Factor (Wipe)	0	0

SPECIFIC LOCATION	Area (ft²) and Class of Contamination		Maximum Reading (c/m)	
	Surface	Wipe	Surface	Wipe
Waiting Room	—	—	<500	<100
Recall Room	—	—	<500	<100
Surgery, Sterilizing, Kitchen	—	—	<500	<100
Wards A, B, C, D.	—	—	<500	<100
X-ray Room	—	—	<500	<100
Treatment Room	—	—	<500	<100
M.D. offices + examination rooms	—	—	<500	<100
Rest rooms + lounges	—	—	<500	<100
Laboratory	—	—	<500	<100
Hall nurses office	—	—	<500	<100
Halls	—	—	<500	<100
Benches, tables, chairs	—	—	<500	<100

	Range Surface	(c/m) Wipe	Weighting Factor			
Class 0	*	–	0	Total ft²	0	0
Class I	500-2000	100-500	1		0	0
Class II	2000-10,000	500-2000	5		0	0
ıss III	>10,000	>2000	20		0	0
			Grand Total (ft²)		0	0

BJV
L PBL

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

WCX-1320 (10-63) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr) Hands	Shoes Personal	Shoes Issue	Clothing Personal	Clothing Issue	Gloves	Rer Rei. No.
none checked								
SUMMARY: No. > P.A.L.								
No. Checked								
% Total Checks > P.A.L.								

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	HP Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity C/M/ft^3
In Laboratory Room 30	514	6:00	15	225	0/2	0.00
In North Wing, N of X-ray	515	6:20	15	225	0/2	0.00
SUMMARY: Air Samples	2	No. Taken	For Samples > P.A.L.		Total —	Total 0.00
	0	No. > P.A.L.			% —	Average 0.00
	0	% > P.A.L.				

REMARKS:

No detectable alpha contamination or penetrating radiation. No evidence of "tracking in" from operating area.

Inspector Neil B. Schmitt Op. Supervisor J. C. Herron Date 6/29/61

ALPHA CONTAMINATION AUDIT REPORT 0903

Location K-1003 Dispensary Lunch Rm 2 Date 5-22-61

Supervisor in Charge Dr. J.S. Lyon Total Work Area 150 ft²

Operations in Progress None

Protective Measures in Force

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	0.0	
	Area Factor (Total)	0.0	
	Area Factor (Wipe)	0.0	

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Floor Equip					<100	<100

	Range (c/m) Surface	Range (c/m) Wipe	Weighting Factor	Total ft²		
Class 0	*	–	0			
Class I	500-2000	100-500	1		0	0
Class II	2000-10,000	500-2000	5		0	0
Class III	> 10,000	> 2000	20		0	0
			Grand Total (ft²)		0	0

R + Y PAL.

~~*Class 0 is any which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.~~

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE
K-1003	DISPENSARY	07	04
1 B M 1-48		49-50	51-52

AUDITED BY (SIGNATURE): [illegible]

REVIEWED WITH (SIGNATURE): [illegible]

FIXED PROTECTION (Personal - Fire)	IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
		01	7	7	12-29-61
		53 - 54	55 - 58	59 - 62	63 - 70

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Sprinkler System	/		Fire Extinguishers	///	
Emergency Exits	///		Protective Equip. Supply		
Emergency Station			P. A. System		
Evacuation Alarm			Safety Showers		
Eye Baths			Standpipes		
Fire Alarm Boxes			Other (Note in Remarks)		
Fire Doors					

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Damaged	10. Missing
2. Contents	11. Respiratory Equipment	2. Deteriorated	11. Not Labelled
3. Door	12. Rack	3. Dirty	12. Not Lighted
4. Fusible Link	13. Rollers	4. Improperly Stored	13. Not Posted
5. Hardware	14. Sprinkler Head	5. Inaccessible or Blocked	14. Out of Test Date
6. Hose	15. Stop Valve	6. Inadequate	15. Unsealed
7. Identification Light	16. Track	7. Inoperative	16. Other (Note in Remarks
8. Nozzle	17. Unit	8. Leaking	
9. Operating Instructions	18. Other	9. Location Not Indicated	

REMARKS:

ENVIRONMENTAL CONTROL	IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
		02	23	21
		53 - 54	55 - 58	59 - 62

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Cleanliness, Orderliness	////		Radiation (Thermal)		
Disposal of Scrap; Waste	////		Radiation (Arc, Ionizing)		
Protection of Hazardous or Flammable Refuse			Traffic Control		
Storage — Material and Equipment	~~////~~	11 {MISSC ITEMS *	Illumination	/	
Storage — Compressed Gas Cylinders	///		Ventilation	/	
Vegetation Control			Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Creates Fire Hazard	10. Inadequate or Improper Ventilation Equipment	19. Not Properly Secured
2. Lunch Room	2. Dirty	11. Inadequate Warning Signs	20. Pedestrian Lanes Not Indicated
3. Office	3. Excessive Accumulation	12. Incorrect Lighting Fixtures	21. Poor Arrangement
4. Storage Area	4. Excessive Glare	13. Inoperative Equipment	22. Poorly Stacked
5. Washroom	5. Fire Lanes Blocked	14. Insufficient Illumination	23. Unsafe Method Used
6. Work Area	6. Inadequate Barricades	15. Materials Not Stored in Designated Areas	24. Wrong Type Container
	7. Inadequate Insulation	16. Material Protruding into Aisles	25. Special Hazards Not Marked
	8. Inadequate Sheilding	17. Metal Cap Missing	26. Ventilation Equipment Not Being Used
	9. Inadequate Traffic Markers	18. No Containers	27. Other (Note in Remarks)

REMARKS: * UTILITY ROOM QUITE CLUTTERED & DISORDERLY, FILE DRAWERS ON FLOOR & Rm 48, ALCHOL IN GLASS JUGS on floor and unprotected from hazard [illegible], several items stored on top of file cabinets

01 - Fixed Protection 02 - Environmental Control

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

PAGE _____ OF _____

WORK SURFACES	IBM	CLASS CODE 03 (53 - 54)	NO. INSPECTED 10 (55 - 58)	NO. SATISFACTORY 10 (59 - 62)

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Cat\			Ladder (stationery)		
Exit	//		Platforms		
Floors	///		Scaffolds		
Furniture	~~///~~		Stairs		
Ladder (portable)			Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS	IBM	CLASS CODE 04 (53 - 54)	NO. INSPECTED / (55 - 58)	NO. SATISFACTORY / (59 - 62)

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Combustible Gas			Steam (Bld Ht.- Below 250 psig)	//	/
Flammable Liquid			Steam (High Pressure - above - 250 psig)		
Toxic or Corrosive Liquid			Air		
Toxic or Corrosive Gas			Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Cleaning Tank	9. Insulation	1. Broken	9. Kinked
2. Controls	10. Pipe	2. Corroded	10. Leaking
3. Couplings	11. Regulators	3. Damaged	11. Missing
4. Metal Containers	12. Safety Devices	4. Deteriorated	12. Not Pinned
5. Glass Containers	13. Tubing	5. Inadequate	13. Not Properly Identified
6. Hose	14. Valves	6. Inadequate Pressure Rating	14. Not Sealed
7. Grounding	15. Vents	7. Incorrect	15. Not Shielded
8. Guards or Supports	16. Housing	8. Inoperative	16. Plugged
	17. Other (Note in Remarks)		17. Other (Note in Remarks)

REM

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

PAGE _____ OF _____

ELECTRICAL	IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
		05	18	16
		53 - 54	55 - 58	59 - 62

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM - CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Corded Equipment	~~IIII~~	1 {9-5
Utilization Equipment	///	1 {8-5
Other (Note in Remarks)		
High Voltage Equipment (Above 480 Volts)		
Disconnects		
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Box Covers
3. Conduit
4. Connectors
5. Breaker
6. Grounds
7. Ground Mats
8. Identification
9. Inspection Date and Tag
10. Insulation
11. Plugs
12. Receptacles
13. Safety Switch
14. Switch
15. Warning Signs
16. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Does Not Meet Plant Specifications
6. Exposed Terminals
7. Missing
8. Not Provided
9. Ungrounded
10. Unguarded
11. Other (Note in Remarks)

REMARKS:

WORK PRACTICES	IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
		06	4	4
		53 - 54	55 - 58	59 - 62

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	/		Use of Safe Attire	///	
Use of Tools			Use of Personnel Portective Devices		
Use and Maintenance of Machines & Equipment			Work Habits		
Use of Ionizing Radiation Sources					

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Use
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

PAGE _____ OF _____

HAND AND PORTABLE POWER TOOLS

IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
	07	12	12
	53 - 54	55 - 58	59 - 62

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Ele owered		
Hand	//	
Hydraulic		
Pneumatic Powered		
Powder Actuated		
Laboratory Glassware	~~////~~	

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
	~~09~~		
	53 - 54	55 - 58	59 - 62

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor			Power Truck		
Chain Hoist			Tractor		
Electric Hoist			Plant Railway		
Winch or Tugger			Skid		
Sling			Pallet		
Lifting Fixture			Bicycle		
Dolley			Bus		
Hand Truck			Passenger Car		
Wheelbarrow			Motor Truck		
Fork Truck			Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	9. Couplings	17. Fittings	25. Hitches	33. Runers
2. Bell	10. Crank	18. Forks	26. Hooks	34. Switches
3. Brakes	11. Crossing Signals	19. Frame	27. Horn	35. Ties
4. Bumping Post	12. Crossing Signs	20. Glass	28. Interlocks	36. Track
5. Cable	13. Dead Man Controls	21. Grounding Connection	29. Lights	37. Wheels
6. Chain	14. Deck	22. Guards	30. Limitswitches	38. Whistle
7. Clearance Markers	15. Dog	23. Handles	31. Road Bed	39. Other (Note in Remarks)
8. Controls	16. Exhaust	24. Handrails	32. Rope	

UNSATISFACTORY CONDITION

1. Broken	5. Damaged	9. Improperly Located	13. Maintenance	17. Other (Note in Remarks)
2. Construction	6. Deteriorated	10. Inadequate	14. Missing	
3. Corroded	7. Illegible	11. Inoperative	15. Overloaded	
4. Cracked	8. Improperly Adjusted	12. Kinked	16. Protruding Fastenings	

RE :

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

PAGE _____ OF _____

FIRED AND UNFIRED PRESSURE VESSELS—COMPRESSED GAS CYLINDERS	IBM	CLASS CODE 09 (53 - 54)	NO. INSPECTED 6 (55 - 58)	NO. SATISFACTORY 5 (59 - 62)

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Ac[illegible] Tank			Freon Tank		
Air Receivers			HF Tank		
Boilers			UF_6 Containers		
Compressed Gas Cylinders	~~1~~		Water Storage Heaters	1	1 *
Fluorine Tank			Other (Note in Remarks)		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Past Due
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Plugged
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Unsecured
4. Dikes	11. Shell	4. Deterioated	11. Missing	18. Other (Note in Remarks)
5. Drip Pans	12. Test	5. Inadequate	12. Not Sealed	
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Shielded	
7. Grounding or Bonding	14. Other (Note in Remarks)	7. Incorrect	14. Open Valve	

REMARKS:

* Steam leaking at 2 locations

SAFETY AUDIT REPORT 3½ hrs.

UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1003	Dispensary	07	04	01	14	14	6/28/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto Sprinkler System	1		Fire Extinguishers ~~IIII~~ 114	9	
Emergency Exits	—		Protective Equip. Supply	3	
Emergency Station	—		P. A. System	—	
Evacuation Alarm	—		Safety Showers	—	
Eye Baths	—		Standpipes	—	
Fire Alarm Boxes	1		Other (Note in Remarks)	—	
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILD.	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1003	Dispensary	07	04	02	178	177	6/28/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	35	1 (4 — 1,2) *	Radiating Surfaces	35	
Illumination	35		Traffic Control	3	
Material Containment	35		Ventilation	35	
Radiation	—		Other (Note in Remarks)	—	

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Areas
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

* Room #2 — door mat, broken chairs, cardboard boxes, wooden boxes, packing material, old doors, pipes, forms, etc.

706-625 6-6

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

01 - Fixed Protection
02 - Environmental Control

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1003	Dispensary	07	04	03	80	80	6/28/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED		NO. UNSATISFACTORY (PART - REASON)
Ca	—		Ladder (stationery)	—	
Exit ~~IIII~~ I	6		Platforms	—	
Floors	35		Scaffolds	—	
Furniture	35		Stairs	4	
Ladder (portable)	—		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1003	Dispensary	07	04	04	201	201	6/28/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine	—		Steam (Bldg Ht - Below 15 psig)	1	
Hydrofluoric Acid	—		Steam (Low Pressure - 15-250 psig)	—	
Natural Gas	—		Steam (High Pressure - above 250 psig)	—	
Pyrofax	—		~~Lab + medical~~ Other (Note in Remarks)	200	acetone, tablets, liquids, HNO_3,

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

03 - Work Surfaces
04 - Piping & Containers

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1003	Dispensary	07	04	05	150	70	6/28/61
BM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)	/	1958
Corded Equipment	80	60(8-5) 20(8-7)
Utilization Equipment	70	
High Voltage Equipment (Above 480 Volts)	/	
Disconnects	—	
Rotating Equipment	—	
Other (Note in Remarks)	—	

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
5. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1003	Dispensary	07	04	06	6	6	6/28/61
BM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	1		Use of Safe Attire	1	
Use of Tools	1		Use of Personnel Protective Devices	1	
Use and Maintenance of Machines & Equipment	1		Work Habits	1	
Use of Ionizing Radiation Sources	—				

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

05 - Electrical
06 - Work Practices

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1003	Dispensary	07	04	07	20	20	6/28/61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered	—	
Hand	20	
Hydraulic	—	
Pneumatic Powered	—	
Powder Actuated	—	

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1003	Dispensary	07	04	08	3	3	6/28/61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor	—		Power Truck	—	
Chain Hoist	—		Tractor	—	
Electric Hoist	—		Plant Railway	—	
Winch or Tugger	—		Skid	—	
Sling	—		Pallet	—	
Lifting Fixture	—		Bicycle	—	
Dolley	—		Bus	—	
Handtruck	2		Passenger Car	1	
Wheelbarrow	—		Motor Truck	—	
Fork Truck	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Crossing Signals	25. Hitches	39. Other (Note in Remarks)
12. Cr g Signs	26. Hooks	
13. D n Control	27. Horn	
14. D	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

MARKS:

AUDITED BY (SIGNATURE)	REVIEWED WITH (SIGNATURE)

07 - Power Tools
08 - Materials Handling

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1003	Dispensary	07	04	09	23	23	6/28/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Acetylene Tank	—		Freon Tank	—	
Air Receivers	—		HF Tank	—	
Boilers	1		UF_6 Containers	—	
Compressed Gas Cylinders	21		Water Storage Heaters	1	
Fluorine Tank	—		Other *(Note in Remarks)*	—	

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other *(Note in Remarks)*
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other *(Note in Remarks)*	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1003	Dispensary	07	04	10	37	37	6/28/61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto[illegible] Arc Cutting Unit	—		Oxygen-Arc Cutting Unit	—	
Automatic Arc Welding Unit	—		Paper Cutter	—	
Bench or Pedestal Grinder	—		Planer (metal)	—	
Blower	—		Planer (wood)	—	
Boring Mill	—		Power Press	—	
Centrifuge	1		Press Brake	—	
Compressor			Pulverizer	—	
Crusher	—		Pump	—	
Diesels (stationary)	—		Saw (band - metal)	—	
Drill Press	—		Saw (band - wood)	—	
Fans	25		Saw (circular - metal)	—	
Forming Rolls	—		Saw (circular - wood)	—	
Gear Cutter	—		Saw (jig)	—	
Grinding Machine	—		Saw (power - rip)	—	
Hobber	—		Saw (radial)	—	
Jointer	—		Saw (swing)	—	
Lathe (engine)	—		Screw Machine	—	
[illegible] ret)	—		Shaper (metal)	—	
Lathe (woodworking)	—		Shaper (wood)	—	
Manual Arc Cutting Unit	—		Shears	10	
Manual Arc Welding Unit	—		Slicer	—	
Mixer	—		Sterilizer Other (Note in Remarks)	1	

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other *(Note in Remarks)*
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other *(Note in Remarks)*	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

AUDITED BY (SIGNATURE) Neal B. Schmidt

REVIEWED WITH (SIGNATURE) R. C. Herron

10 - Machinery and Equipment

K-1007

ALPHA CONTAMINATION AUDIT REPORT

Location K1007 CANTEEN (0912) Date 11-15-61

Supervisor in Charge _____ Total Work Area 500 ft^2

Operations in Progress _____

Protective Measures in Force _____

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	0	
	Area Factor (Total)	0	—
	Area Factor (Wipe)	0	—

SPECIFIC LOCATION	Area (ft^2) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
NO ALPHA CONTAMINATION NOTED						
RPH.						

	Range (c/m) Surface	Range (c/m) Wipe	Weighting Factor	
Class 0	*	—	0	Total ft^2
Class I	500-2000	100-500	1	
Class II	2000-10,000	500-2000	5	
Class III	>10,000	>2000	20	
			Grand Total (ft^2)	

RP < PAL

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS:

Inspector [signature] Op. Supervisor [signature] Date 11/15/61

[redacted] AUDIT REPORT 2 hr.

UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

[redacted]

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1007	Canteen	07	31	01	2	2	6/29/61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Sprinkler System	1	(detector)	Fire Extinguishers	1	
Emergency Exits	—		Protective Equip. Supply	—	
Emergency Station	—		P. A. System	—	
Evacuation Alarm	—		Safety Showers	—	
Eye Baths	—		Standpipes	—	
Fire Alarm Boxes	—		Other (Note in Remarks)	—	
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1007	Canteen	07	31	02	10	10	6/29/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	2		Radiating Surfaces	—	
Illumination	2		Traffic Control	2	
Material Containment	2		Ventilation	2	
Radiation	—		Other (Note in Remarks)	—	

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Areas
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

01 - Fixed Protection
02 - Environmental Control

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1007	Canteen	07	31	03	6	6	6/29/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED		NO. UNSATISFACTORY (PART - REASON)
Catw	—		Ladder (stationery)	—	
Exit	2		Platforms	—	
Floors	2		Scaffolds	—	
Furniture	2		Stairs	—	
Ladder (portable)	—		Other *(Note in Remarks)*	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other *(Note in Remarks)*
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other *(Note in Remarks)*	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1007	Canteen	07	31	04	0	0	6/29/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine	—		Steam (Bldg Ht - Below 15 psig)	—	
Hydrofluoric Acid	—		Steam (Low Pressure - 15-250 psig)	—	
Natural Gas	—		Steam (High Pressure - above 250 psig)	—	
Pyrofax	—		Other *(Note in Remarks)*	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other *(Note in Remarks)*	8. Indistinct	17. Other *(Note in Remarks)*
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE)	REVIEWED WITH (SIGNATURE)

03 - Work Surfaces
04 - Piping & Contai

SAFETY AUDIT REPORT

UCN-3021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1007	Canteen	07	31	05	6	3	6/29/61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low [illegible]e Equipment (Below [illegible] Volts)	/	
Corded Equipment	3	1(8-5) 2(8-7)
Utilization Equipment	3	
High Voltage Equipment (Above 480 Volts)	/	
Disconnects	—	
Rotating Equipment	—	
Other (Note in Remarks)	—	

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
5. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1007	Canteen	07	31	06	10	10	6/29/61
IM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	2		Use of Safe Attire	—	
Use of Tools	2		Use of Personnel Protective Devices	2	
Use and Maintenance of Machines & Equipment	2		Work Habits	2	
Use of Ionizing Radiation Sources	—				

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

EDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

05 - Electrical
06 - Work Practices

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1007	Canteen	07	31	07	4	4	6/29/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE OF TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Elec. owered	—	
Hand	4	
Hydraulic	—	
Pneumatic Powered	—	
Powder Actuated	—	

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1007	Canteen	07	31	08	0	0	6/29/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor	—		Power Truck	—	
Chain Hoist	—		Tractor	—	
Electric Hoist	—		Plant Railway	—	
Winch or Tugger	—		Skid	—	
Sling	—		Pallet	—	
Lifting Fixture	—		Bicycle	—	
Dolley	—		Bus	—	
Handtruck	—		Passenger Car	—	
Wheelbarrow	—		Motor Truck	—	
Fork Truck	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Crossing Signals	25. Hitches	39. Other (Note in Remarks)
12. Cr · Signs	26. Hooks	
13. D n Control	27. Horn	
14. Decr	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

07 - Power Tools
08 - Materials Handling

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1007	Canteen	07	31	09	2	2	6/29/61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Acetylene Tank	—		Freon Tank	—	
Air Receivers	—		HF Tank	—	
Boilers	—		UF_6 Containers	—	
Compressed Gas Cylinders	1	CO_2	Water Storage Heaters	1	coffee maker
Fluorine Tank	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other (Note in Remarks)
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other (Note in Remarks)	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

09 - Pressure Vessels & Gas Cylinders

SAFETY AUDIT REPORT

UCN 2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1007	Canteen	07	31	10	2	2	6/29/6'
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Auto .c Arc Cutting Unit	—		Oxygen-Arc Cutting Unit	—	
Automatic Arc Welding Unit	—		Paper Cutter	—	
Bench or Pedestal Grinder	—		Planer (metal)	—	
Blower	—		Planer (wood)	—	
Boring Mill	—		Power Press	—	
Centrifuge	—		Press Brake	—	
Compressor	1		Pulverizer	—	
Crusher	—		Pump	—	
Diesels (stationary)	—		Saw (band - metal)	—	
Drill Press	—		Saw (band - wood)	—	
Fans	—		Saw (circular - metal)	—	
Forming Rolls	—		Saw (circular - wood)	—	
Gear Cutter	—		Saw (jig)	—	
Grinding Machine	—		Saw (power - rip)	—	
Hobber	—		Saw (radial)	—	
Jointer	—		Saw (swing)	—	
Lathe (engine)	—		Screw Machine	—	
Lo rret)	—		Shaper (metal)	—	
Lathe (woodworking)	—		Shaper (wood)	—	
Manual Arc Cutting Unit	—		Shears	—	
Manual Arc Welding Unit	—		Slicer	—	
Mixer	1		Other (Note in Remarks)	—	

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

AUDITED BY (SIGNATURE) Herb B. Schultz

REVIEWED WITH (SIGNATURE) Larry E. Carr

10 - Machinery and Equipment

K-1008-D

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE
K-1008-D	CANTEEN	07	31
IBM 1-48		49-50	51-52

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE) [signature]

FIXED PROTECTION (Personal - Fire)	IBM	CLASS CODE 01	NO. INSPECTED 4	NO. SATISFACTORY 4	DATE 11-24-[illegible]
		53 - 54	55 - 58	59 - 62	63 - 70

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Sprinkler System	1		Fire Extinguishers	11	
Emergency Exits	1		Protective Equip. Supply		
Emergency Station			P. A. System		
Evacuation Alarm			Safety Showers		
Eye Baths			Standpipes		
Fire Alarm Boxes			Other (Note in Remarks)		
Fire Doors					

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Damaged	10. Missing
2. Contents	11. Respiratory Equipment	2. Deteriorated	11. Not Labelled
3. Door	12. Rack	3. Dirty	12. Not Lighted
4. Fusible Link	13. Rollers	4. Improperly Stored	13. Not Posted
5. Hardware	14. Sprinkler Head	5. Inaccessible or Blocked	14. Out of Test Date
6. Hose	15. Stop Valve	6. Inadequate	15. Unsealed
7. Identification Light	16. Track	7. Inoperative	16. Other (Note in Remarks
8. Nozzle	17. Unit	8. Leaking	
9. Operating Instructions	18. Other	9. Location Not Indicated	

REMARKS:

ENVIRONMENTAL CONTROL	IBM	CLASS CODE 02	NO. INSPECTED 9	NO. SATISFACTORY 7
		53 - 54	55 - 58	59 - 62

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Cleanliness, Orderliness	111	1 (7-3) *	Radiation (Thermal)		
Disposal of Scrap; Waste	1		Radiation (Arc, Ionizing)		
Protection of Hazardous or Flammable Refuse	1	1 (SCRAP PAPER IN CARTON)	Traffic Control		
Storage — Material and Equipment	11	1 (***) AND (****)	Illumination		
Storage — Compressed Gas Cylinders	11		Ventilation		
Vegetation Control			Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Creates Fire Hazard	10. Inadequate or Improper Ventilation Equipment	19. Not Properly Secured
2. Lunch Room	2. Dirty	11. Inadequate Warning Signs	20. Pedestrian Lanes Not Indicated
3. Office	3. Excessive Accumulation	12. Incorrect Lighting Fixtures	21. Poor Arrangement
4. Storage Area	4. Excessive Glare	13. Inoperative Equipment	22. Poorly Stacked
5. Washroom	5. Fire Lanes Blocked	14. Insufficient Illumination	23. Unsafe Method Used
6. Work Area	6. Inadequate Barricades	15. Materials Not Stored in Designated Areas	24. Wrong Type Container
	7. Inadequate Insulation	16. Material Protruding into Aisles	25. Special Hazards Not Marked
	8. Inadequate Sheilding	17. Metal Cap Missing	26. Ventilation Equipment Not Being Used
	9. Inadequate Traffic Markers	18. No Containers	27. Other (Note in Remarks)

REMARKS: * SEVERAL ITEMS ON FLOOR IN STORAGE AREA HOT FIXTURES, GARBAGE IN BIOS SHELVES & COVERS.

** MATERIALS STORED AGAINST SWITCHGEAR.

*** NUMEROUS ITEMS ON FLOOR

01 - Fixed Protection 02 - Environmental Control

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

WORK SURFACES	IBM	CLASS CODE 03 (53 - 54)	NO. INSPECTED 6 (55 - 58)	NO. SATISFACTORY 5 (59 - 62)

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Cat:	III		Ladder (stationery)		
Exit			Platforms		
Floors	✓		Scaffolds		
Furniture	III	1 (BROKEN CHAIR IN STORAGE)	Stairs		
Ladder (portable)			Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS	IBM	CLASS CODE 04 (53 - 54)	NO. INSPECTED 1 (55 - 58)	NO. SATISFACTORY 1 (59 - 62)

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Combustible Gas			Steam (Bld Ht.- Below 250 psig)	1	
Flammable Liquid			Steam (High Pressure - above - 250 psig)		
Toxic or Corrosive Liquid			Air		
Toxic or Corrosive Gas			Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Cleaning Tank	9. Insulation	1. Broken	9. Kinked
2. Controls	10. Pipe	2. Corroded	10. Leaking
3. Couplings	11. Regulators	3. Damaged	11. Missing
4. Metal Containers	12. Safety Devices	4. Deteriorated	12. Not Pinned
5. Glass Containers	13. Tubing	5. Inadequate	13. Not Properly Identified
6. Hose	14. Valves	6. Inadequate Pressure Rating	14. Not Sealed
7. Grounding	15. Vents	7. Incorrect	15. Not Shielded
8. Guards or Supports	16. Housing	8. Inoperative	16. Plugged
	17. Other (Note in Remarks)		17. Other (Note in Remarks)

REM

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

ELECTRICAL	IBM	CLASS CODE 05 (53 - 54)	NO. INSPECTED 6 (55 - 58)	NO. SATISFACTORY 2 (59 - 62)

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM - CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Corded Equipment	IV	II 1 (2-7)
Utilization Equipment	III	1 (2-7)
Other (Note in Remarks)		
High Voltage Equipment (Above 480 Volts)		
Disconnects		
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Box Covers
3. Conduit
4. Connectors
5. Breaker
6. Grounds
7. Ground Mats
8. Identification
9. Inspection Date and Tag
10. Insulation
11. Plugs
12. Receptacles
13. Safety Switch
14. Switch
15. Warning Signs
16. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Does Not Meet Plant Specifications
6. Exposed Terminals
7. Missing
8. Not Provided
9. Ungrounded
10. Unguarded
11. Other (Note in Remarks)

REMARKS:

WORK PRACTICES	IBM	CLASS CODE 06 (53 - 54)	NO. INSPECTED 1 (55 - 58)	NO. SATISFACTORY 1 (59 - 62)

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling			Use of Safe Attire	1	
Use of Tools			Use of Personnel Portective Devices	0	
Use and Maintenance of Machines & Equipment			Work Habits		
Use of Ionizing Radiation Sources					

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Use
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

IBM	CLASS CODE 07 (53 - 54)	NO. INSPECTED 3 (55 - 58)	NO. SATISFACTORY 2 (59 - 62)

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Ele[illegible]owered		
Hand	///	1 (13 - 7)
Hydraulic		
Pneumatic Powered		
Powder Actuated		
Laboratory Glassware		

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

IBM	CLASS CODE 08 (53 - 54)	NO. INSPECTED 3 (55 - 58)	NO. SATISFACTORY 3 (59 - 62)

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor			Power Truck		
Chain Hoist			Tractor		
Electric Hoist			Plant Railway		
Winch or Tugger			Skid		
Sling			Pallet		
Lifting Fixture			Bicycle		
Dolley			Bus		
Hand Truck	///		Passenger Car		
Wheelbarrow			Motor Truck		
Fork Truck			Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	9. Couplings	17. Fittings	25. Hitches	33. Runers
2. Bell	10. Crank	18. Forks	26. Hooks	34. Switches
3. Brakes	11. Crossing Signals	19. Frame	27. Horn	35. Ties
4. Bumping Post	12. Crossing Signs	20. Glass	28. Interlocks	36. Track
5. Cable	13. Dead Man Controls	21. Grounding Connection	29. Lights	37. Wheels
6. Chain	14. Deck	22. Guards	30. Limitswitches	38. Whistle
7. Clearance Markers	15. Dog	23. Handles	31. Road Bed	39. Other (Note in Remarks)
8. Controls	16. Exhaust	24. Handrails	32. Rope	

UNSATISFACTORY CONDITION

1. Broken	5. Damaged	9. Improperly Located	13. Maintenance	17. Other (Note in Remarks)
2. Construction	6. Deteriorated	10. Inadequate	14. Missing	
3. Corroded	7. Illegible	11. Inoperative	15. Overloaded	
4. Cracked	8. Improperly Adjusted	12. Kinked	16. Protruding Fastenings	

REM[illegible]:

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

① Maintenance nbc
② Records file

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1008D	Cookfeed	07	31	01	6	6	3-29-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto. Sprinkler System	/		Fire Extinguishers	///	
Emergency Exits	/		Protective Equip. Supply	—	
Emergency Station	—		P. A. System	—	
Evacuation Alarm	—		Safety Showers	—	
Eye Baths	—		Standpipes	—	
Fire Alarm Boxes	+		Other (Note in Remarks)		
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BM	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1008D	Cookfeed	07	31	02	14	13	3-29-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	////	1(4-8)	Radiating Surfaces	//	
Illumination	///		Traffic Control	—	
Material Containment	///		Ventilation	//	
Radiation	—		Other (Note in Remarks)	—	

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Areas
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

AUDITED BY (SIGNATURE) [signature]

REVIEWED WITH (SIGNATURE) [signature]

1 - Fixed Protection
2 - Environmental Control

54-34 2-2

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1008D	Contract	07	31	03	9	8	3-29-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART-REASON)	SURFACES CHECKED		NO. UNSATISFACTORY (PART-REASON)
Catwalks	—		Ladder (stationery)	—	
Exit	II		Platforms	—	
Floors	III	*1(16-14)	Scaffolds	—	
Furniture	III		Stairs	—	
Ladder (portable)	I		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	~~14. Slippery~~
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	~~16. Surface~~	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS: *Water leak (Roof) outside walk in cooler.

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1008D	Contract	07	31	04	2	2	3-29-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART-CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Fluorine	—		Steam (Bldg Ht - Below 15 psig)	II	
Hydrofluoric Acid	—		Steam (Low Pressure - 15-250 psig)	—	
Natural Gas	—		Steam (High Pressure - above 250 psig)	—	
Pyrofax	—		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

03 - Work Surfaces
04 - Piping & Containers

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1008D	Canteen	07	31	05	15	8	3-29-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEMS INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)	—	
Corded Equipment	HH	5(8-10)
Utilization Equipment	* HHHH	1(4-5) 2(11-5)
High Voltage Equipment (Above 480 Volts)	—	
Disconnects	—	
Rotating Equipment	—	
Other (Note in Remarks)	—	

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
5. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded
10 out of date

REMARKS: * Mercuroid Switch for walk in Cooler compressor has broken glass.

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1008D	Canteen	07	31	06	2	2	3-29-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	—		Use of Safe Attire	//	
Use of Tools	—		Use of Personnel Protective Devices	—	
Use and Maintenance of Machines & Equipment	—		Work Habits	—	
Use of Ionizing Radiation Sources	—				

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

05 - Electrical
06 - Work Practices

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1008D	Canteen	07	31	07	3	3	3-29-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE OF TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Elec. Powered	—	
Hand	///	
Hydraulic	—	
Pneumatic Powered	—	
Powder Actuated	—	

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1008D	Canteen	07	31	08	2	1	3-29-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor	—		Power Truck		
Chain Hoist	—		Tractor		
Electric Hoist	—		Plant Railway		
Winch or Tugger	—		Skid		
Sling	—		Pallet		
Lifting Fixture	—		Bicycle		
Dolley	—		Bus		
Handtruck	//	*1 (39-1)	Passenger Car		
Wheelbarrow	—		Motor Truck		
Fork Truck	—		Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Crossing Signals	25. Hitches	39. ~~Other~~ (Note in Remarks) Platform
12. C[illegible] Signs	26. Hooks	
13. D[illegible]n Control	27. Horn	
14. Dec[illegible]	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS: Plank on platform - Broken —

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

07 - Power Tools
08 - Materials Handling

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING (1-5)	LOCATION (6-45)	DIVISION CODE (46-49)	LOCATION CODE (50-51)	CLASS CODE (52-53)	NO. INSPECTED (54-57)	NO. SATISFACTORY (58-61)	DATE (62-67)
1108D	Centrifuge	07	31	09	3	3	3-29-61

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Acetylene Tank	—		Freon Tank	—	
Air Receivers	—		HF Tank	—	
Boilers	—		UF_6 Containers	—	
Compressed Gas Cylinders	///		Water Storage Heaters	—	
Fluorine Tank	—		Other *(Note in Remarks)*		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other *(Note in Remarks)*
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other *(Note in Remarks)*	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

09 - Pressure Vessels & Gas Cylinders

ALPHA CONTAMINATION AUDIT REPORT

Location K 1008-D CANTEEN (0902) Date 11/15/61

Supervisor in Charge _____ Total Work Area 3600 ft²

Operations in Progress HB CARTER

Protective Measures in Force _____

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	0	0
	Area Factor (Total)	0	0
	Area Factor (Wipe)	0	0

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
NO SIGNIFICANT READINGS - ALPHA						
CONTAMINATION < PAL						
B A Stinn						

	Range Surface	(c/m) Wipe	Weighting Factor	
Class 0	*	–	0	Total ft²
Class I	500-2000	100-500	1	
Class II	2000-10,000	500-2000	5	
Class III	> 10,000	> 2000	20	
			Grand Total (ft²)	

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity C/M/ft^3
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS:

Inspector [signature] Op. Supervisor [signature] Date 11/15/61

~~Files~~ nk
(R. Files)
✓

ALPHA CONTAMINATION AUDIT REPORT

Location K-1008-D Canteen (0902) Date 4-27-61
Supervisor in Charge H. E. Carpenter Total Work Area 3500 ft²
Operations in Progress Routine contact work
Protective Measures in Force Routine clean up (mopping)

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	0.0	0.0
	Area Factor (Total)	0.0	0.0
	Area Factor (Wipe)	0.0	0.0

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Storage Area Floor & Equip -					<100	<100
Kitchen Area - " " "					<100	<100
Eating Area -						
Floor -					<100	<100
Serving counter					<100	<100
" Tables					<100	<100
Eating Counter					<100	<100

	Range (c/m) Surface	Range (c/m) Wipe	Weighting Factor			
Class 0	*	–	0	Total ft²	—	—
Class I	500-2000	100-500	1		0	0
Class II	2000-10,000	500-2000	5		0	0
Class III	>10,000	>2000	20		0	0
			Grand Total (ft²)		0	0

Bt & < P.A.L.

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
SUMMARY: No. > P.A.L.								
SUMMARY: No. Checked								
SUMMARY: % Total Checks > P.A.L.								

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
Exhaust Area - S.E. corner	380	1:35	7	91	0/0	0.02
" " " N.W. corner	381	1:42	5	70	0/0	0.07
SUMMARY: Air Samples	7	No. Taken		For Samples > P.A.L.	Total	Total 0.09
	0	No. > P.A.L.			%	Average 0.05
	—	% > P.A.L.				

REMARKS:

Inspector [signature] Op. Supervisor [signature] Date 5/12/61

K-1015

Special HP Job Audit 1) BFS 2) files — 1015

HEALTH PHYSICS AND SAFETY JOB AUDIT REPORT

Location K-1015 Laundry Date 11/6/61

Supervisor in Charge C.B. Russell Job Work Area (Clothing) ft²

Operations in Progress Normal laundry, repairs, and sorting of work clothing

Protective Measures in Force None necessary for health reasons

SUMMARY:

	Before Job	After Job
Alpha Contamination Index (based on estimated work area)	0.0	0.0

Contaminated Area Identified: Yes _____ No _____

Area Cleaned Up by Employees: Before Job _____ After Job _____

Decontamination Request Issued: Yes _____ No _____

Radiation

Time Taken	INTENSITY (mrep/hr) MAXIMUM READING			
	Contact		1 Foot	
	$\beta+\gamma$	γ	$\beta+\gamma$	γ
Before				
During	<0.1 mr/hr			
After				

Film Badges: No. Wearing / No. Involved = _____ or _____ %

Film badge covers: No. Wearing / No. Badges = _____ or _____ %

Work time limits established: Yes _____ No _____

Air Activity

	Specific Location (Give Distance From Equipment Where Applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
Before Job							
During Job	None taken						
During Job							
During Job							
During Job							
During Job							
During Job							
During Job							
During Job							
After Job							
SUMMARY	No. Taken / No. > P.A.L. / % > P.A.L.		For Samples > P.A.L.			No. Wearing / No. Present / %	Total Act. / Av.

PERSONNEL CONTAMINATION

Name	Badge No.	Personnel Wearing: Eye Protection	Personnel Wearing: Film Badge	When Checked	Contamination-(C/M) (mrep/hr): Hands	Shoes: Personal	Shoes: Issue	Clothing: Personal	Clothing: Issue	Remarks Reference Number
None checked										
Item		# checked								
Face masks		7								
Rubber overshoes		2 pr								
Goggles		2								
Speech amplifier		1			α		< 100	α c/m/100 cm²		
Sand-blast helmet		5								
Rubber apron		1								
Acid suit		1			β γ		< 0.1 mr/hr			
Welder's jacket		1								
Welder's pants		2								
Rain jacket		16								
Rain pants		8								
Rain hat		12								
										TOTAL:
TOTALS	No. Wearing			No. > P.A.L.						No. > P.A.L.
	No. Checked			No. Checked						No. Checked
	% Wearing			% > P.A.L.						% > P.A.L.

Number of Persons Checking Hands Before Eating, Smoking, or Drinking: Number / No. Involved = _____ or _____ %

Hand Counter Located in Building _____. Calibrated: Yes _____ No _____

REMARKS Items bagged at toolroom; no "before" readings; use location unknown.
Operator requested an audit of the effectiveness of the normal laundry cycle (hand cleaning) for various assortments of work clothing.
Reportedly washed individually, manually in bicarbonate of soda water, then "Tide", and then rinsed.
The items checked are free of detectable radioactive contamination.

Operating or Service Supervisor [signature] Auditor N. B. Schaff Date 11/6/61

SP-11 (2-58) Safety and Health Physics RC

Gloves

1) ~~[illegible]~~
2) fibers (K-1015)

HEALTH PHYSICS AND SAFETY JOB AUDIT REPORT

cation K-1015 Laundry (Gloves) Date 9/25/61
Supervisor in Charge C. B. Russell Job Work Area _____ ft²
Operations in Progress Normal laundry operations.
Protective Measures in Force No health requirements for radiation reasons

SUMMARY:

	Before Job	After Job
Alpha Contamination Index (based on estimated work area)		

Contaminated Area Identified: Yes _____ No _____
Area Cleaned Up by Employees: Before Job _____ After Job _____
Decontamination Request Issued: Yes _____ No _____

Radiation

Time Taken	INTENSITY (mrep/hr) MAXIMUM READING Contact $\beta+\gamma$	Contact γ	1 Foot $\beta+\gamma$	1 Foot γ
Before				
During				
After	0.01	0.01		

α <100 c/m/100cm²

Film Badges: No. Wearing / No. Involved = _____ or _____ %

Film badge covers: No. Wearing / No. Badges = _____ or _____ %

Work time limits established: Yes _____ No _____

Air Activity

	Specific Location (Give Distance From Equipment Where Applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft³)	Resp. Protection No. Wearing / No. Present	Alpha Activity C/M/ft³
Before Job							
During Job							
During Job							
During Job							
During Job							
During Job							
During Job							
During Job							
During Job							
After Job							
SUMMARY	No. Taken No. > P.A.L. % > P.A.L.		For Samples > P.A.L.			No. Wearing _____ No. Present _____ % _____	Total Act. _____ Av. _____

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PERSONNEL CONTAMINATION

Name	Badge No.	Personnel Wearing		When Checked	Contamination-(C/M) (mrep/hr)					Remarks Reference Number
		Eye Protection	Film Badge		Hands	Shoes		Clothing		
						Personal	Issue	Personal	Issue	

Special HP audit

Records File

HEALTH PHYSICS AND SAFETY JOB AUDIT REPORT

cation K-1015 Laundry Date 8-8-61

Supervisor in Charge C. B. Russell Job Work Area — ft²

Operations in Progress Dismantling washer for repairs.

Protective Measures in Force None required for health reasons

SUMMARY:

	Before Job	After Job
Alpha Contamination Index (based on estimated work area)	0	0

Contaminated Area Identified: Yes ____ No DNA

Area Cleaned Up by Employees: Before Job ____ After Job ____

Decontamination Request Issued: Yes ____ No ____

Radiation

Time Taken	INTENSITY (mrep/hr) MAXIMUM READING Contact β + γ	Contact γ	1 Foot β + γ	1 Foot γ
Before				
During				
After				

Film Badges: No. Wearing / No. Involved = ____ or ____ %

Film badge covers: No. Wearing / No. Badges = ____ or ____ %

DNA

Work time limits established: Yes ____ No ____

Air Activity

	Specific Location (Give Distance From Equipment Where Applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft³)	Resp. Protection No. Wearing / No. Present	Alpha Activity C/M/ft³
Before Job							
During Job							
During Job							
During Job							
During Job							
During Job							
During Job							
During Job							
During Job							
After Job							
SUMMARY	No. Taken / No. > P.A.L. / % > P.A.L.		For Samples > P.A.L.			No. Wearing / No. Present / %	Total Act. / Av.

none taken

PERSONNEL CONTAMINATION

Name	Badge No.	Personnel Wearing: Eye Protection	Personnel Wearing: Film Badge	When Checked	Contamination-(C/M) (mrep/hr): Hands	Shoes: Personal	Shoes: Issue	Clothing: Personal	Clothing: Issue	Remarks Reference Number
				8/8	<100	—	<100	—	<100	
				8/8	<100	—	<100	—	<100	
Washer agitator			<100 alpha c/m/100cm²	pH = 6.6	11,000 ppm U/sample (sticky, gummy)			<1 mr/hr β-γ (background)		
Washer lining			<100	"	"			<1	"	" " "
Washer shell (lining removed)			<100	pH = 7.0	"	2,300 ppm U/sample (residue in bottom)		<1	"	" "
TOTALS	No. Wearing			No. > P.A.L.	0		0		0	TOTAL: No. > P.A.L. 0
	No. Checked			No. Checked	2		2		2	No. Checked 6
	% Wearing			% > P.A.L.	0		0		0	% > P.A.L. 0

Number of Persons Checking Hands Before Eating, Smoking, or Drinking: Number ____ = ____ or ____ %
Hand Counter Located in Building ____. Calibrated: Yes ____ No ____

REMARKS Operator requested a HP audit survey for possible uranium deposition or accumulation within plant laundry washer. No evidence of alpha or penetrating radiation above normal background.

Operating or Service Supervisor H. C. Carr Auditor M. B. Schatt Date 8/8/64

SP-11 (2-58) Safety and Health Physics RC

HEALTH PHYSICS AND SAFETY JOB AUDIT REPORT

Location K-1015 Laundry Date 7/26/61
Supervisor in Charge C.B. Russell Job Work Area (coveralls) ft²
Operations in Progress Normal laundry, repair, & sorting of work clothing.
Protective Measures in Force Good housekeeping practices!

SUMMARY:

	Before Job	After Job
Alpha Contamination Index (based on estimated work area)	—	—

Contaminated Area Identified: Yes ____ No ____
Area Cleaned Up by Employees: Before Job ____ After Job ____
Decontamination Request Issued: Yes ____ No ____

Radiation

Time Taken	INTENSITY (mrep/hr) MAXIMUM READING Contact $\beta+\gamma$	Contact γ	1 Foot $\beta+\gamma$	1 Foot γ
Before				
During				
After				

Film Badges: No. Wearing / No. Involved = ____ or ____ %

Film badge covers: No. Wearing / No. Badges = ____ or ____ %

Work time limits established: Yes ____ No ____

Air Activity

	Specific Location (Give Distance From Equipment Where Applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
Before Job							
During Job							
During Job							
During Job							
During Job							
During Job							
During Job							
During Job							
During Job							
After Job							
SUMMARY	No. Taken / No. > P.A.L. / % > P.A.L.		For Samples > P.A.L.			No. Wearing ____ / No. Present ____ / % ____	Total Act. ____ / Av. ____

none taken

PERSONNEL CONTAMINATION

Name	Badge No.	Personnel Wearing: Eye Protection	Personnel Wearing: Film Badge	When Checked	Contamination-(C/M) (mrep/hr): Hands	Shoes: Personal	Shoes: Issue	Clothing: Personal	Clothing: Issue	Remarks Reference Number
		—	—	7/26/61	<100	—	<100	—	<100	(1)

Cornell Number	Alpha c/m/100cm² Before	After
1	300	<100
8	440	<100
63	910	<100
69	1430	<100
Average	770	<100
Maximum	5000	200

(Beta not above background)

TOTALS										TOTAL:	
	No. Wearing			No. > P.A.L.	0		0		0	No. > P.A.L.	0
	No. Checked			No. Checked	1		1		1	No. Checked	1
	% Wearing			% > P.A.L.	0		0		0	% > P.A.L.	0

Number of Persons Checking Hands Before Eating, Smoking, or Drinking: ____ Number / ____ No. Involved = ____ or ____ %

Hand Counter Located in Building ____. Calibrated: Yes ____ No ____

REMARKS (1) Employee had been loading contaminated cornella into washer. There bins per washer; 80# per bin (formerly 100# per bin).

Operator requested an audit of the effectiveness of the normal laundry cycle for cornella, (using soap and bicarbonate of soda) relative to the removal of radioactive contamination.

Operating or Service Supervisor C. B. Russell Auditor Neil B. Schaff Date 7/27/61

SP-11 (2-58) Safety and Health Physics RC

HEALTH PHYSICS AND SAFETY JOB AUDIT REPORT

Location K-1015 Laundry Date 3/29/61
Supervisor in Charge C. B. Russell Job Work Area (Coveralls) ft²
Operations in Progress Washing of dirty & contaminated coveralls
Protective Measures in Force No special measures

SUMMARY:

	Before Job	After Job
Alpha Contamination Index (based on estimated work area)	0.0	0.0

Contaminated Area Identified: Yes — No —
Area Cleaned Up by Employees: Before Job — After Job —
Decontamination Request Issued: Yes — No —

Radiation

Time Taken	INTENSITY (mrep/hr) MAXIMUM READING			
	Contact		1 Foot	
	$\beta+\gamma$	γ	$\beta+\gamma$	γ
Before				
During	Background			
After				

Film Badges: No. Wearing / No. Involved = — or — %

Film badge covers: No. Wearing / No. Badges = — or — %

Work time limits established: Yes — No —

Air Activity

	Specific Location (Give Distance From Equipment Where Applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft³)	Resp. Protection No. Wearing / No. Present	Alpha Activity C/M/ft³
Before Job	None taken						
During Job							
During Job							
During Job							
During Job							
During Job							
During Job							
During Job							
During Job							
After Job							
SUMMARY	No. Taken / No. > P.A.L. / % > P.A.L.		For Samples > P.A.L.			No. Wearing / No. Present / %	Total Act. / Av.

PERSONNEL CONTAMINATION

Name	Badge No.	Personnel Wearing: Eye Protection	Personnel Wearing: Film Badge	When Checked	Contamination-(C/M) (mrep/hr): Hands	Shoes: Personal	Shoes: Issue	Clothing: Personal	Clothing: Issue	Remarks Reference Number
None checked										
						x c/m/100cm²				
			Coverall #			Before		After		
				24		5000		110		
				36		4000		110		
				57		1125		100		
				507		750		60		
TOTALS	No. Wearing			No. > P.A.L.						TOTAL: No. > P.A.L.
	No. Checked			No. Checked						No. Checked
	% Wearing			% > P.A.L.						% > P.A.L.

Number of Persons Checking Hands Before Eating, Smoking, or Drinking: Number / No. Involved = _____ or _____ %

Hand Counter Located in Building _____. Calibrated: Yes _____ No _____

REMARKS

Operator requested spot-checks on coveralls before and after washing in trial runs with "Rx-cell" detergent, distributed by Wyandott Chemical of Knoxville.

Operating or Service Supervisor C. P. Russell Auditor Neil B. Schultz Date 3/29/61

SP-11 (2-58) Safety and Health Physics RC

Cold Area –

ALPHA CONTAMINATION AUDIT REPORT (0910)

Location K-1015 Laundry Date 3/29/61

Supervisor in Charge C. B. Russell Total Work Area 4200 ft²

Operations in Progress (normal washing, drying, ironing, folding)

Protective Measures in Force

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	0.0	0.0 (June 1957)
	Area Factor (Total)	0.0	0.0
	Area Factor (Wipe)	0.0	0.0

SPECIFIC LOCATION	Area (ft²) and Class of Contamination		Maximum Reading (c/m)	
	Surface	Wipe	Surface	Wipe
Floor of Receiving Area and Washing Area — metal stand bins, scales, mobile basket-carts, etc.	—	—	400	<100

	Range Surface	Range Wipe (c/m)	Weighting Factor		Surface	Wipe
Class 0	*	–	0	Total ft²		
Class I	500-2000	100-500	1			
Class II	2000-10,000	500-2000	5			
ss III	>10,000	>2000	20			
			Grand Total (ft²)		0	0

B & V

L. P. K.

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rer Rei No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
None checked								
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
			2 c/m/100cm²			
	Coverall #		Before Wash		After Wash	
None taken	24		5500		110	
	36		4000		110	
	57		1125		100	
	507		750		60	
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS:

Audit of coveralls being washed revealed data in table above.

No apparent health-physics problems related to alpha or beta-gamma radiations.

Inspector Neil B. Schatz Op. Supervisor C. A. Russell Date 3/29/61

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE
K-D15	LAUNDRY	07	21
IBM 1-48		49-50	51-52

DITED BY (SIGNATURE) D. F. Shum

REVIEWED WITH (SIGNATURE) C. Russell

FIXED PROTECTION (Personal - Fire)	IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
		01	7	6	11-24-61
		53 - 54	55 - 58	59 - 62	63 - 70

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Sprinkler System	/		Fire Extinguishers	////	/ (17-9) *
Emergency Exits	/		Protective Equip. Supply		
Emergency Station			P. A. System		
Evacuation Alarm			Safety Showers		
Eye Baths			Standpipes		
Fire Alarm Boxes	/		Other (Note in Remarks)		
Fire Doors					

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Damaged	10. Missing
2. Contents	11. Respiratory Equipment	2. Deteriorated	11. Not Labelled
3. Door	12. Rack	3. Dirty	12. Not Lighted
4. Fusible Link	13. Rollers	4. Improperly Stored	13. Not Posted
5. Hardware	14. Sprinkler Head	5. Inaccessible or Blocked	14. Out of Test Date
6. Hose	15. Stop Valve	6. Inadequate	15. Unsealed
7. Identification Light	16. Track	7. Inoperative	16. Other (Note in Remarks
8. Nozzle	17. Unit	8. Leaking	
9. Operating Instructions	18. Other	9. Location Not Indicated	

REMARKS: RED & YELLOW COLOR, OR WALL MARKER IS NORMALY USED TO INDICAT LOCATION EXTINGUISHERS & IN ALARM BOXES.

ENVIRONMENTAL CONTROL	IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
		02	11 (eleven)	6
		53 - 54	55 - 58	59 - 62

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Cleanliness, Orderliness	~~////~~	/// * (4, 2, 3 and 27)	Radiation (Thermal)	//	/ STEAM ESCAPING FROM SOFTENER
Disposal of Scrap; Waste	/		Radiation (Arc, Ionizing)		
Protection of Hazardous or Flammable Refuse			Traffic Control		
Storage — Material and Equipment	///	/ **	Illumination		
Storage — Compressed Gas Cylinders			Ventilation		
Vegetation Control			Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Creates Fire Hazard	10. Inadequate or Improper Ventilation Equipment	19. Not Properly Secured
2. Lunch Room	2. Dirty	11. Inadequate Warning Signs	20. Pedestrian Lanes Not Indicated
3. Office	3. Excessive Accumulation	12. Incorrect Lighting Fixtures	21. Poor Arrangement
4. Storage Area	4. Excessive Glare	13. Inoperative Equipment	22. Poorly Stacked
5. Washroom	5. Fire Lanes Blocked	14. Insufficient Illumination	23. Unsafe Method Used
6. Work Area	6. Inadequate Barricades	15. Materials Not Stored in Designated Areas	24. Wrong Type Container
	7. Inadequate Insulation	16. Material Protruding into Aisles	25. Special Hazards Not Marked
	8. Inadequate Sheilding	17. Metal Cap Missing	26. Ventilation Equipment Not Being Used
	9. Inadequate Traffic Markers	18. No Containers	27. Other (Note in Remarks)

REMARKS: * STORAGE, CLEANLINESS & ARRANGEMENT IN AREA AROUND WATER SOFTENING UNITS ~~[illegible]~~ REFLECT NUMEROUS GOOD HOUSEKEEPING EXCEPTIONS, INCLUDING SLICK FLOOR FROM SOAP SPILLS.

** UNPROTECTED GLASS JOBS IN FLOOR

01 - Fixed Protection 02 - Environmental Control

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

WORK SURFACES	IBM	CLASS CODE 03 (53 - 54)	NO. INSPECTED 4 (55 - 58)	NO. SATISFACTORY 3 (59 - 62)

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Ca			Ladder (stationery)		
Exit	1		Platforms		
Floors	1		Scaffolds		
Furniture			Stairs		
Ladder (portable)	1	1 (15-9)	Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS	IBM	CLASS CODE 04 (53 - 54)	NO. INSPECTED 5 (55 - 58)	NO. SATISFACTORY 4 (59 - 62)

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Combustible Gas			Steam (Bld Ht.- Below 250 psig)	~~1~~	1 (9-11) *
Flammable Liquid			Steam (High Pressure - above - 250 psig)		
Toxic or Corrosive Liquid			Air		
Toxic or Corrosive Gas			Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Cleaning Tank	9. Insulation	1. Broken	9. Kinked
2. Controls	10. Pipe	2. Corroded	10. Leaking
3. Couplings	11. Regulators	3. Damaged	11. Missing
4. Metal Containers	12. Safety Devices	4. Deteriorated	12. Not Pinned
5. Glass Containers	13. Tubing	5. Inadequate	13. Not Properly Identified
6. Hose	14. Valves	6. Inadequate Pressure Rating	14. Not Sealed
7. Grounding	15. Vents	7. Incorrect	15. Not Shielded
8. Guards or Supports	16. Housing	8. Inoperative	16. Plugged
	17. Other (Note in Remarks)		17. Other (Note in Remarks)

REM STEAM LINES TO WASHING MACHINES (Employee appears to cover these when machine is in use.)

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

ELECTRICAL	IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
		05	14	4
		53 - 54	55 - 58	59 - 62

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM - CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Corded Equipment	~~////~~	~~////~~ (9-5)
Utilization Equipment	////	
Other (Note in Remarks)		
High Voltage Equipment (Above 480 Volts)		
Disconnects		
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Box Covers
3. Conduit
4. Connectors
5. Breaker
6. Grounds
7. Ground Mats
8. Identification
9. Inspection Date and Tag
10. Insulation
11. Plugs
12. Receptacles
13. Safety Switch
14. Switch
15. Warning Signs
16. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Does Not Meet Plant Specifications
6. Exposed Terminals
7. Missing
8. Not Provided
9. Ungrounded
10. Unguarded
11. Other (Note in Remarks)

REMARKS:

WORK PRACTICES	IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
		06	6	6
		53 - 54	55 - 58	59 - 62

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	////		Use of Safe Attire	/	
Use of Tools			Use of Personnel Portective Devices		
Use and Maintenance of Machines & Equipment	/		Work Habits		
Use of Ionizing Radiation Sources					

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Use
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
	07		
	53 - 54	55 - 58	59 - 62

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Ele[illegible]owered		
Hand		
Hydraulic		
Pneumatic Powered		
Powder Actuated		
Laboratory Glassware		

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
	08	7	5
	53 - 54	55 - 58	59 - 62

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor			Power Truck		
Chain Hoist			Tractor		
Electric Hoist			Plant Railway		
Winch or Tugger			Skid		
Sling			Pallet	/	
Lifting Fixture			Bicycle		
Dolley	NI	11 **	Bus		
Hand Truck	/		Passenger Car		
Wheelbarrow			Motor Truck		
Fork Truck			Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	9. Couplings	17. Fittings	25. Hitches	33. Runers
2. Bell	10. Crank	18. Forks	26. Hooks	34. Switches
3. Brakes	11. Crossing Signals	19. Frame	27. Horn	35. Ties
4. Bumping Post	12. Crossing Signs	20. Glass	28. Interlocks	36. Track
5. Cable	13. Dead Man Controls	21. Grounding Connection	29. Lights	37. Wheels
6. Chain	14. Deck	22. Guards	30. Limitswitches	38. Whistle
7. Clearance Markers	15. Dog	23. Handles	31. Road Bed	39. Other (Note in Remarks)
8. Controls	16. Exhaust	24. Handrails	32. Rope	

UNSATISFACTORY CONDITION

1. Broken	5. Damaged	9. Improperly Located	13. Maintenance	17. Other (Note in Remarks)
2. Construction	6. Deteriorated	10. Inadequate	14. Missing	
3. Corroded	7. Illegible	11. Inoperative	15. Overloaded	
4. Cracked	8. Improperly Adjusted	12. Kinked	16. Protruding Fastenings	

REM

** METAL CORNERS OF LAUNDRY CARTS HAVE SHARP EDGES THAT GREEN TAPE DOESNT SEEM TO KEEP PROTECTED.

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS—COMPRESSED GAS CYLINDERS	IBM	CLASS CODE 09	NO. INSPECTED 1	NO. SATISFACTORY 1
		53 - 54	55 - 58	59 - 62

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Ac[illegible] Tank			Freon Tank		
Air Receivers			HF Tank		
Boilers			UF_6 Containers		
Compressed Gas Cylinders			Water Storage Heaters	1	
Fluorine Tank			Other (Note in Remarks)		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Past Due
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Plugged
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Unsecured
4. Dikes	11. Shell	4. Deterioated	11. Missing	18. Other (Note in Remarks)
5. Drip Pans	12. Test	5. Inadequate	12. Not Sealed	
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Shielded	
7. Grounding or Bonding	14. Other (Note in Remarks)	7. Incorrect	14. Open Valve	

REMARKS:

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

PAGE _____ OF _____

MACHINERY AND EQUIPMENT	IBM	CLASS CODE 10 (53 - 54)	NO. INSPECTED 8 (55 - 58)	NO. SATISFACTORY 7 (59 - 62)

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Be[illegible] Pedestal Grinder			Press Brake		
Blower			Pulverizer		
Boring Mill			Pump		
Centrifuge			Saw (band - metal)		
Compressor			Saw (band - wood)		
Crusher			Saw (circular - metal)		
Diesels (stationary)			Saw (circular- -wood)		
Drill Press			Saw (jig)		
Fans	1	1	Saw (power - rip)		
Forming Rolls			Saw (radial)		
Gear Cutter			Saw (swing)		
Grinding Machine			Screw Machine		
Hobber			Shaper (metal)		
Jointer			Shaper (wood)		
Lathe (engine)			Shears		
Lathe (turret)			Slicer		
Lathe (woodworking)			Welding or Cutting Unit Oxyacetylene - Manual		
Mi[illegible]			Welding or Cutting Unit Electric - Manual		
Pap[illegible]tter			Welding or Cutting Unit Oxyacetylene - Automatic		
Planer (metal)			Welding or Cutting Unit Electric - Automatic		
Planer (wood)					
Power Press			Other (Note in Remarks)	1	W ISSUE

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	12. Feed Device	23. Limit Stop	1. Broken	11. Rough
2. Blowpipe	13. Grounding	24. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (electrode)	14. Guard	25. Regulator	3. Defective	13. Valve Open
4. Cable (power)	15. Guard (belt)	26. Safety Device	4. Improperly Adjusted	14. Wrong Size or Type
5. Chip Screen	16. Guard (gears)	27. Screens	5. Improperly Located	15. Other (Note in Remarks)
6. Clamp or Vise	17. Guard (projecting stock)	28. Spindle	6. Improperly Secured	
7. Controls	18. Guard (splash)	29. Tool Rest	7. Inadequate	
8. Cylinder Cart	19. Guard (tool or die)	30. Torch	8. Inoperative	
9. Cylinder	20. Guard (wheel)	31. Wheel Dressing	9. Maintenance	
10. Dust Collector	21. Hose	32. Other (Note in Remarks)	10. Missing	
11. Flanges	22. Inspection Date and Tag			

REMARKS: FANS [illegible]

2 hr

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1015	Laundry	07	21	01	5	5	6/27/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto. Sprinkler System	1		Fire Extinguishers	2	
Emergency Exits	—		Protective Equip. Supply	1	
Emergency Station	—		P. A. System	—	
Evacuation Alarm	—		Safety Showers	—	
Eye Baths	—		Standpipes	—	
Fire Alarm Boxes	1	#128-5	Other (Note in Remarks)	—	
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1015	Laundry	07	21	02	24	23	6/27/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	4	1 (4-2) *	Radiating Surfaces	4	
Illumination	4		Traffic Control	4	
Material Containment	4		Ventilation	4	
Radiation	—		Other (Note in Remarks)	—	

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Areas
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

* Boiler room (broken light bulb; old scales; scrap metal pipe & bars; empty gallon jugs needed ? ;)

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

01 - Fixed Protection
02 - Environmental Control

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1015	Laundry	07	21	03	9	9	6/27/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Cats	—		Ladder (stationery)	—	
Exit	3		Platforms	—	
Floors	2		Scaffolds	—	
Furniture	2		Stairs	1	
Ladder (portable)	1		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1015	Laundry	07	21	04	2	2	6/27/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine	—		Steam (Bldg Ht - Below 15 psig)	1	
Hydrofluoric Acid	—		Steam 40+10D (Low Pressure - 15-250 psig)	1	*
Natural Gas	—		Steam (High Pressure - above 250 psig)	—	
Pyrofax	—		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

* Mechanical Inspection checking safety valve (routine) during audit.

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

03 - Work Surfaces
04 - Piping & Containers

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1015	Laundry	07	21	05	44	33	6/27/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)	/	
Corded Equipment	11	11 (8-5) (1957)
Utilization Equipment	33	
High Voltage Equipment (Above 480 Volts)	/	
Disconnects	—	
Rotating Equipment	—	
Other (Note in Remarks)	—	

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
5. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1015	Laundry	07	21	06	17	17	6/27/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	5		Use of Safe Attire	5	
Use of Tools	1		Use of Personnel Protective Devices	—	
Use and Maintenance of Machines & Equipment	1		Work Habits	5	
Use of Ionizing Radiation Sources	—				

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

ing soap, operating washer, bundling cardboa

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

05 - Electrical
06 - Work Practices

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1015	Laundry	07	21	07	6	6	6/27/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Elec. Powered	1	
Hand	5	
Hydraulic	—	
Pneumatic Powered	—	
Powder Actuated	—	

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other *(Note in Remarks)*
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other *(Note in Remarks)*
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1015	Laundry	07	21	08	8	8	6/27/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor	—		Power Truck	—	
Chain Hoist	—		Tractor	—	
Electric Hoist	—		Plant Railway	—	
Winch or Tugger	—		Skid	—	
Sling	—		Pallet	—	
Lifting Fixture	—		Bicycle	—	
Dolley	—		Bus	—	
Handtruck	8		Passenger Car	—	
Wheelbarrow	—		Motor Truck	—	
Fork Truck	—		Other *(Note in Remarks)*	—	

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Crossing Signals	25. Hitches	39. Other *(Note in Remarks)*
12. C g Signs	26. Hooks	
13. D n Control	27. Horn	
14. Dec..	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other *(Note in Remarks)*
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

07 - Power Tools
08 - Materials Handling

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1015	Laundry	07	21	09	1	1	6/27/61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Acet. Tank	—		Freon Tank	—	
Air Receivers	—		HF Tank	—	
Boilers	1	(Steam heats water)	UF_6 Containers	—	
Compressed Gas Cylinders	—		Water Storage Heaters	—	
Fluorine Tank	—		Other *(Note in Remarks)*	—	

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other *(Note in Remarks)*
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other *(Note in Remarks)*	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

09 - Pressure Vessels & Gas Cylinders

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1015	Laundry	07	21	10	31	30	6/27/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Arc Cutting Unit	—		Oxygen-Arc Cutting Unit	—	
Automatic Arc Welding Unit	—		Paper Cutter	—	
Bench or Pedestal Grinder	—		Planer (metal)	—	
Blower	—		Planer (wood)	—	
Boring Mill	—		Power Press	—	
Centrifuge	—		Press Brake	—	
Compressor	—		Pulverizer	—	
Crusher	—		Pump	—	
Diesels (stationary)	—		Saw (band - metal)	—	
Drill Press	—		Saw (band - wood)	—	
Fans (> 7')	13		Saw (circular - metal)	—	
Forming Rolls	—		Saw (circular - wood)	—	
Gear Cutter	—		Saw (jig)	—	
Grinding Machine	—		Saw (power - rip)	—	
Hobber	—		Saw (radial)	—	
Jointer	—		Saw (swing)	—	
Lat[illegible]gine)	—		Screw Machine	—	
Lat[illegible]urret)	—		Shaper (metal)	—	
Lathe (woodworking)	—		Shaper (wood)	—	
Manual Arc Cutting Unit	—		Shears	—	
Manual Arc Welding Unit	—		Slicer	—	
Mixer	—		Other (Note in Remarks)	18	1 (13 - 10)

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

Ironers; crop heater; washing dryers; sewing machines; card wrapper + tier;

AUDITED BY (SIGNATURE) Neil B. Schmitt

REVIEWED WITH (SIGNATURE) C. Russell

10 - ~~Machinery and~~ Equipment

SAFETY AUDIT REPORT (5:00 a.m.)

UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

BUILDING (1-5)	LOCATION (6-45)	DIVISION CODE (46-49)	LOCATION CODE (50-51)	CLASS CODE (52-53)	NO. INSPECTED (54-57)	NO. SATISFACTORY (58-61)	DATE (62-67)
11-1020	Fire and Guard Facilities	07	44	01	23	23	7/14/61

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Autor. Sprinkler System	2		Fire Extinguishers	13	
Emergency Exits	5		Protective Equip. Supply	1	
Emergency Station	—		P. A. System	1	
Evacuation Alarm	—		Safety Showers	—	
Eye Baths	—		Standpipes	—	
Fire Alarm Boxes	1		Other (Note in Remarks)	—	
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS: Locations Audited: K-1020, K-1021, K-1045, K-1045A, K-1212

ENVIRONMENTAL CONTROL

BUILDING (IBM 1-5)	LOCATION (6-45)	DIVISION CODE (46-49)	LOCATION CODE (50-51)	CLASS CODE (52-53)	NO. INSPECTED (54-57)	NO. SATISFACTORY (58-61)	DATE (62-67)
K-1020	Fire and Guard Facilities	07	44	02	62	62	7/14/61

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	10		Radiating Surfaces	10	
Illumination	10		Traffic Control	10	
Material Containment	12		Ventilation	10	
Radiation	—		Other (Note in Remarks)	—	

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Areas
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

AUDITED BY (SIGNATURE)	REVIEWED WITH (SIGNATURE)

01 - Fixed Protection
02 - Environmental Control

[redacted]

SAFETY AUDIT REPORT

SCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1020	Fire and Guard Facilities	07	44	03	75	75	7/14/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Catw	—		Ladder (stationery)	1	
Exit	30		Platforms	1	
Floors	20		Scaffolds	—	
Furniture	20		Stairs	1	
Ladder (portable)	2		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1020	Fire and Guard Facilities	07	44	04	3	3	7/14/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine	—		Steam (Bldg Ht - Below 15 psig)	1	
Hydrofluoric Acid	—		Steam (Low Pressure - 15 - 250 psig)	—	
Natural Gas	—		Steam (High Pressure - above 250 psig)	—	
Pyrofax	—		Other (Note in Remarks)	2	CO_2 - Air

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE) [redacted]

REVIEWED WITH (SIGNATURE)

03 - Work Surfaces
04 - Piping & Containers

SAFETY AUDIT REPORT

U&N-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1020	Fire and Guard Facilities	07	44	05	75	75	7/14/61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEMS INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)	/	
Corded Equipment	35	* (1960 labels - in date)
Utilization Equipment	40	
High Voltage Equipment (Above 480 Volts)	/	
Disconnects	—	
Rotating Equipment	—	
Other (Note in Remarks)	—	

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
5. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

* Two-wire ungrounded receptacles used occasionally in offices — circuits have been de-energized where potential personnel contact is probable.

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1020	Fire and Guard Facilities	07	44	06	57	57	7/14/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	3		Use of Safe Attire	13	
Use of Tools	2		Use of Personnel Protective Devices	13	
Use and Maintenance of Machines & Equipment	13		Work Habits	13	
Use of Ionizing Radiation Sources	—				

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

AUDITED BY (SIGNATURE)	REVIEWED WITH (SIGNATURE)

05 - Electrical
06 - Work Practices

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1020	Fire and Guard Facilities	07	44	07	8	8	7/14/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered	2	
Hand	6	
Hydraulic	—	
Pneumatic Powered	—	
Powder Actuated	—	

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remark
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1020	Fire and Guard Facilities	07	44	08	23	23	7/14/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor	—		Power Truck	1	
Chain Hoist	—		Tractor	1	
Electric Hoist	1		Plant Railway	1	
Winch or Tugger	—		Skid	1	
Sling	1		Pallet	1	
Lifting Fixture	1		Bicycle	1	
Dolley	1		Bus	1	
Handtruck	—		Passenger Car	7	7446, 7429, 7471, 7074, 0785, 7454, 7440
Wheelbarrow	—		Motor Truck	5	5450, 7759, 7404, 3196, 6231
Fork Truck	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Crossing Signals	25. Hitches	39. Other (Note in Remarks)
12. Crossing Signs	26. Hooks	
13. Dump Control	27. Horn	
14. Deck	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

07 - Power Tools
08 - Materials Handling

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
V-1020	Fire and Guard Facilities	07	44	09	27	27	7/14/61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Acet ank	—		Freon Tank	—	
Air Receivers	—		HF Tank	—	
Boilers	1		UF_6 Containers	—	
Compressed Gas Cylinders	25	CO_2, air	Water Storage Heaters	1	
Fluorine Tank	—		Other *(Note in Remarks)*	—	

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other *(Note in Remarks)*
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other *(Note in Remarks)*	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

09 - Pressure Vessels & Gas Cylinders

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1020	Fire and Guard Facilities	07	44	10	13	13	7/14/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Auto. .c Arc Cutting Unit	—		Oxygen-Arc Cutting Unit	—	
Automatic Arc Welding Unit	—		Paper Cutter	—	
Bench or Pedestal Grinder	2		Planer (metal)	—	
Blower	—		Planer (wood)	—	
Boring Mill	—		Power Press	—	
Centrifuge	—		Press Brake	—	
Compressor	1		Pulverizer	—	
Crusher	—		Pump	2	
Diesels (stationary)	—		Saw (band - metal)	—	
Drill Press	—		Saw (band - wood)	—	
Fans	8		Saw (circular - metal)	—	
Forming Rolls	—		Saw (circular - wood)	—	
Gear Cutter	—		Saw (jig)	—	
Grinding Machine	—		Saw (power - rip)	—	
Hobber	—		Saw (radial)	—	
Jointer	—		Saw (swing)	—	
Lathe (engine)	—		Screw Machine	—	
Lat ret)	—		Shaper (metal)	—	
Lathe (woodworking)	—		Shaper (wood)	—	
Manual Arc Cutting Unit	—		Shears	—	
Manual Arc Welding Unit	—		Slicer	—	
Mixer	—		Other (Note in Remarks)	3	*

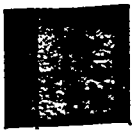
UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

* Ettco drill, Number stamp, Marker.

AUDITED BY (SIGNATURE) Earl B. Schultz

REVIEWED WITH (SIGNATURE) Chas. H. Martin



SAFETY AUDIT REPORT 4:00 annual

AJCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1028	Guard Portals	07	71	01	27	27	7/14/61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto Sprinkler System	—		Fire Extinguishers	9	
Emergency Exits	9		Protective Equip. Supply	—	
Emergency Station	6		P. A. System	3	
Evacuation Alarm	—		Safety Showers	—	
Eye Baths	—		Standpipes	—	
Fire Alarm Boxes	—		Other (Note in Remarks)	—	
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS: Locations Audited: Powerhouse; K-1007; Administration-Pedestrian; Admin.-Vehicle; Bus Terminal; North Parking Lot; Barrier Plant-K-1420; K-29; K-33.

ENVIRONMENTAL CONTROL

BUILD.	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1028	Guard Portals	07	71	02	54	54	7/14/61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	9		Radiating Surfaces	9	
Illumination	9		Traffic Control	9	
Material Containment	9		Ventilation	9	
Radiation	—		Other (Note in Remarks)	—	

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Areas
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

01 - Fixed Protection
02 - Environmental Control

SAFETY AUDIT REPORT

UCN-2021 (1 · 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1028	Guard Portals	07	71	03	37	37	7/14/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART-REASON)	SURFACES CHECKED		NO. UNSATISFACTORY (PART-REASON)
Cat	—		Ladder (stationery)	—	
Exit	18		Platforms	—	
Floors	9		Scaffolds	—	
Furniture	9		Stairs	-1	
Ladder (portable)	—		Other *(Note in Remarks)*	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other *(Note in Remarks)*
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other *(Note in Remarks)*	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILD.	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1028	Guard Portals	07	71	04	0	0	7/14/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART-CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Fluorine	—		Steam (Bldg Ht - Below 15 psig)	—	
Hydrofluoric Acid	—		Steam (Low Pressure-15-250 psig)	—	
Natural Gas	—		Steam (High Pressure - above 250 psig)	—	
Pyrofax	—		Other *(Note in Remarks)*	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other *(Note in Remarks)*	8. Indistinct	17. Other *(Note in Remarks)*
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE)	REVIEWED WITH (SIGNATURE)

03 - Work Surfaces
04 - Piping & Containers

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1028	Guard Portals	07	71	05	63	33	7/14/61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM - CONDITION)
Low Voltage Equipment (Below 480 Volts)	/	
Corded Equipment	27	18(8-7) Ad-Veh; 9(8-5) (1953)(1958)
Utilization Equipment	36	1(3-4); 2(1-3) (BARRIER)(2-24)
High Voltage Equipment (Above 480 Volts)	/	
Disconnects	—	
Rotating Equipment	—	
Other (Note in Remarks)	—	

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
5. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1028	Guard Portals	07	71	06	45	45	7/14/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	9		Use of Safe Attire	9	
Use of Tools	—		Use of Personnel Protective Devices	9	
Use and Maintenance of Machines & Equipment	9		Work Habits	9	
Use of Ionizing Radiation Sources	—				

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

AUDITED BY (SIGNATURE)	REVIEWED WITH (SIGNATURE)

05 - Electrical
06 - Work Practices

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1028	Guard Portals	07	71	07	9	9	7/14/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered	—	
Hand	9	
Hydraulic	—	
Pneumatic Powered	—	
Powder Actuated	—	

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1028	Guard Portals	07	71	08	3	3	7/14/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor	—		Power Truck	—	
Chain Hoist	—		Tractor	—	
Electric Hoist	—		Plant Railway	—	
Winch or Tugger	—		Skid	—	
Sling	—		Pallet	—	
Lifting Fixture	—		Bicycle	—	
Dolley	—		Bus	—	
Handtruck	—		Passenger Car	3	
Wheelbarrow	—		Motor Truck	—	
Fork Truck	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Crossing Signals	25. Hitches	39. Other (Note in Remarks)
12. Cr[illegible]g Signs	26. Hooks	
13. D[illegible]in Control	27. Horn	
14. D[illegible]	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

07 - Power Tools
08 - Materials Handling

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
"-1628	Guard Portals	07	71	09	0	0	7/14/61
BM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Ace. Tank	—		Freon Tank	—	
Air Receivers	—		HF Tank	—	
Boilers	—		UF_6 Containers	—	
Compressed Gas Cylinders	—		Water Storage Heaters	—	
Fluorine Tank	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other (Note in Remarks)
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other (Note in Remarks)	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1028	Grand Portals	07	71	10	18	16	7/14/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto c Arc Cutting Unit	—		Oxygen-Arc Cutting Unit	—	
Automatic Arc Welding Unit	—		Paper Cutter	—	
Bench or Pedestal Grinder	—		Planer (metal)	—	
Blower	—		Planer (wood)	—	
Boring Mill	—		Power Press	—	
Centrifuge	—		Press Brake	—	
Compressor	—		Pulverizer	—	
Crusher	—		Pump	—	
Diesels (stationary)	—		Saw (band - metal)	—	
Drill Press	—		Saw (band - wood)	—	
Fans	9	2(3-13) {No. PARK LOT K-33	Saw (circular - metal)	—	
Forming Rolls	—		Saw (circular - wood)	—	
Gear Cutter	—		Saw (jig)	—	
Grinding Machine	—		Saw (power - rip)	—	
Hobber	—		Saw (radial)	—	
Jointer	—		Saw (swing)	—	
Lathe (engine)	—		Screw Machine	—	
La ret)	—		Shaper (metal)	—	
Lathe (woodworking)	—		Shaper (wood)	—	
Manual Arc Cutting Unit	—		Shears	—	
Manual Arc Welding Unit	—		Slicer	—	
Mixer	—		Other (Note in Remarks)	9	Tire stamps

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

AUDITED BY (SIGNATURE) Neil B. Schmitt

REVIEWED WITH (SIGNATURE) Chas. H. Martin

10 - Machinery and Equipment

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE
K-1029	CANTEEN	07	31
IBM 1-48		49-50	51-52

AUDIT BY (SIGNATURE) J. T. Lamm

REVIEWED WITH (SIGNATURE) H. Elam

FIXED PROTECTION (Personal - Fire)

IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
	01	3	3	11/21/61
	53 - 54	55 - 58	59 - 62	63 - 70

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Sprinkler System	1		Fire Extinguishers	1	
Emergency Exits	1		Protective Equip. Supply		
Emergency Station			P. A. System		
Evacuation Alarm			Safety Showers		
Eye Baths			Standpipes		
Fire Alarm Boxes			Other (Note in Remarks)		
Fire Doors					

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Damaged	10. Missing
2. Contents	11. Respiratory Equipment	2. Deteriorated	11. Not Labelled
3. Door	12. Rack	3. Dirty	12. Not Lighted
4. Fusible Link	13. Rollers	4. Improperly Stored	13. Not Posted
5. Hardware	14. Sprinkler Head	5. Inaccessible or Blocked	14. Out of Test Date
6. Hose	15. Stop Valve	6. Inadequate	15. Unsealed
7. Identification Light	16. Track	7. Inoperative	16. Other (Note in Remarks
8. Nozzle	17. Unit	8. Leaking	
9. Operating Instructions	18. Other	9. Location Not Indicated	

REMARKS:

ENVIRONMENTAL CONTROL

IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
	02	10	6
	53 - 54	55 - 58	59 - 62

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Cleanliness, Orderliness	////	1 (4 *)	Radiation (Thermal)		
Disposal of Scrap; Waste	1		Radiation (Arc, Ionizing)		
Protection of Hazardous or Flammable Refuse			Traffic Control		
Storage — Material and Equipment	1	1 (**)	Illumination	1	
Storage — Compressed Gas Cylinders			Ventilation	1	
Vegetation Control			Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Creates Fire Hazard	10. Inadequate or Improper Ventilation Equipment	19. Not Properly Secured
2. Lunch Room	2. Dirty	11. Inadequate Warning Signs	20. Pedestrian Lanes Not Indicated
3. Office	3. Excessive Accumulation	12. Incorrect Lighting Fixtures	21. Poor Arrangement
4. Storage Area	4. Excessive Glare	13. Inoperative Equipment	22. Poorly Stacked
5. Washroom	5. Fire Lanes Blocked	14. Insufficient Illumination	23. Unsafe Method Used
6. Work Area	6. Inadequate Barricades	15. Materials Not Stored in Designated Areas	24. Wrong Type Container
	7. Inadequate Insulation	16. Material Protruding into Aisles	25. Special Hazards Not Marked
	8. Inadequate Sheilding	17. Metal Cap Missing	26. Ventilation Equipment Not Being Used
	9. Inadequate Traffic Markers	18. No Containers	27. Other (Note in Remarks)

REMARKS:

4* A FEW ITEMS SUCH AS BLEACH, LIDS, PAINT CAN OR SUCH ON FLOOR OF STORAGE AREAS, WORK CONTAINING NOT IN DESIGNATED CONTAINER,

** UNPROTECTED GLASS JUGS ON FLOOR 1

01 - Fixed Protection 02 - Environmental Control

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

WORK SURFACES	IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
		03	3	3
		53 - 54	55 - 58	59 - 62

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Cat[illegible]			Ladder (stationery)		
Exit			Platforms		
Floors	//		Scaffolds		
Furniture	/		Stairs		
Ladder (portable)			Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS	IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
		04	/	/
		53 - 54	55 - 58	59 - 62

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Combustible Gas			Steam (Bld Ht.- Below 250 psig)	/	
Flammable Liquid			Steam (High Pressure - above - 250 psig)		
Toxic or Corrosive Liquid			Air		
Toxic or Corrosive Gas			Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Cleaning Tank	9. Insulation	1. Broken	9. Kinked
2. Controls	10. Pipe	2. Corroded	10. Leaking
3. Couplings	11. Regulators	3. Damaged	11. Missing
4. Metal Containers	12. Safety Devices	4. Deteriorated	12. Not Pinned
5. Glass Containers	13. Tubing	5. Inadequate	13. Not Properly Identified
6. Hose	14. Valves	6. Inadequate Pressure Rating	14. Not Sealed
7. Grounding	15. Vents	7. Incorrect	15. Not Shielded
8. Guards or Supports	16. Housing	8. Inoperative	16. Plugged
	17. Other (Note in Remarks)		17. Other (Note in Remarks)

REM

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

ELECTRICAL	IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
		05	13	8
		53 - 54	55 - 58	59 - 62

ITEMS INSPECTED	NO.	NO. UNSATISFACTORY (ITEM - CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Corded Equipment	11	11(8-5)
Utilization Equipment	XII	11(*)
Other (Note in Remarks)		
High Voltage Equipment (Above 480 Volts)		
Disconnects		
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Box Covers
3. Conduit
4. Connectors
5. Breaker
6. Grounds
7. Ground Mats
8. Identification
9. Inspection Date and Tag
10. Insulation
11. Plugs
12. Receptacles
13. Safety Switch
14. Switch
15. Warning Signs
16. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Does Not Meet Plant Specifications
6. Exposed Terminals
7. Missing
8. Not Provided
9. Ungrounded
10. Unguarded
11. Other (Note in Remarks)

REMARKS:

* OFF - ON REVERSED IN REFRIG SWITCH

** 2 ELECTRICAL WIRES IN WALK IN BOX OUTSIDE
BE REMOVED OR TERMINATE IN PROPER FIXTURE,

WORK PRACTICES	IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
		06	2	2
		53 - 54	55 - 58	59 - 62

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling			Use of Safe Attire	1	
Use of Tools			Use of Personnel Portective Devices		
Use and Maintenance of Machines & Equipment			Work Habits	1	
Use of Ionizing Radiation Sources					

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Use
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
	07	2	2
	53 - 54	55 - 58	59 - 62

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered		
Hand	//	
Hydraulic		
Pneumatic Powered		
Powder Actuated		
Laboratory Glassware		

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
	08		
	53 - 54	55 - 58	59 - 62

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor			Power Truck		
Chain Hoist			Tractor		
Electric Hoist			Plant Railway		
Winch or Tugger			Skid		
Sling			Pallet		
Lifting Fixture			Bicycle		
Dolley			Bus		
Hand Truck			Passenger Car		
Wheelbarrow			Motor Truck		
Fork Truck			Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	9. Couplings	17. Fittings	25. Hitches	33. Runers
2. Bell	10. Crank	18. Forks	26. Hooks	34. Switches
3. Brakes	11. Crossing Signals	19. Frame	27. Horn	35. Ties
4. Bumping Post	12. Crossing Signs	20. Glass	28. Interlocks	36. Track
5. Cable	13. Dead Man Controls	21. Grounding Connection	29. Lights	37. Wheels
6. Chain	14. Deck	22. Guards	30. Limitswitches	38. Whistle
7. Clearance Markers	15. Dog	23. Handles	31. Road Bed	39. Other (Note in Remarks)
8. Controls	16. Exhaust	24. Handrails	32. Rope	

UNSATISFACTORY CONDITION

1. Broken	5. Damaged	9. Improperly Located	13. Maintenance	17. Other (Note in Remarks)
2. Construction	6. Deteriorated	10. Inadequate	14. Missing	
3. Corroded	7. Illegible	11. Inoperative	15. Overloaded	
4. Cracked	8. Improperly Adjusted	12. Kinked	16. Protruding Fastenings	

RE' :

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS—COMPRESSED GAS CYLINDERS	IBM	CLASS CODE 09	NO. INSPECTED 1	NO. SATISFACTORY 1
		53 - 54	55 - 58	59 - 62

JIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Acc[illegible]nk			Freon Tank		
Air Receivers			HF Tank		
Boilers			UF_6 Containers		
Compressed Gas Cylinders	/		Water Storage Heaters		
Fluorine Tank			Other (Note in Remarks)		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Past Due
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Plugged
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Unsecured
4. Dikes	11. Shell	4. Deterioated	11. Missing	18. Other (Note in Remarks)
5. Drip Pans	12. Test	5. Inadequate	12. Not Sealed	
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Shielded	
7. Grounding or Bonding	14. Other (Note in Remarks)	7. Incorrect	14. Open Valve	

REMARKS:

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

MACHINERY AND EQUIPMENT	IBM	CLASS CODE 10 (53 - 54)	NO. INSPECTED 2 (55 - 58)	NO. SATISFACTORY 2 (59 - 62)

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION
Be Pedestal Grinder			Press Brake		
Blower			Pulverizer		
Boring Mill			Pump		
Centrifuge			Saw (band - metal)		
Compressor			Saw (band - wood)		
Crusher			Saw (circular - metal)		
Diesels (stationary)			Saw (circular- -wood)		
Drill Press			Saw (jig)		
Fans	//		Saw (power - rip)		
Forming Rolls			Saw (radial)		
Gear Cutter			Saw (swing)		
Grinding Machine			Screw Machine		
Hobber			Shaper (metal)		
Jointer			Shaper (wood)		
Lathe (engine)			Shears		
Lathe (turret)			Slicer		
Lathe (woodworking)			Welding or Cutting Unit Oxyacetylene - Manual		
Mi			Welding or Cutting Unit Electric - Manual		
Paper Cutter			Welding or Cutting Unit Oxyacetylene - Automatic		
Planer (metal)			Welding or Cutting Unit Electric - Automatic		
Planer (wood)					
Power Press			Other (Note in Remarks)		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	12. Feed Device	23. Limit Stop	1. Broken	11. Rough
2. Blowpipe	13. Grounding	24. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (electrode)	14. Guard	25. Regulator	3. Defective	13. Valve Open
4. Cable (power)	15. Guard (belt)	26. Safety Device	4. Improperly Adjusted	14. Wrong Size or Type
5. Chip Screen	16. Guard (gears)	27. Screens	5. Improperly Located	15. Other (Note in Remarks)
6. Clamp or Vise	17. Guard (projecting stock)	28. Spindle	6. Improperly Secured	
7. Controls	18. Guard (splash)	29. Tool Rest	7. Inadequate	
8. Cylinder Cart	19. Guard (tool or die)	30. Torch	8. Inoperative	
9. Cylinder	20. Guard (wheel)	31. Wheel Dressing	9. Maintenance	
10. Dust Collector	21. Hose	32. Other (Note in Remarks)	10. Missing	
11. Flanges	22. Inspection Date and Tag			

REMARKS:

SAFETY AUDIT REPORT 2 hr

UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1029	Canteen	07	31	01	3	3	6/28/61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto. Sprinkler System	1		Fire Extinguishers	2	
Emergency Exits	—		Protective Equip. Supply	—	
Emergency Station	—		P. A. System	—	
Evacuation Alarm	—		Safety Showers	—	
Eye Baths	—		Standpipes	—	
Fire Alarm Boxes	—		Other (Note in Remarks)	—	
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1029	Canteen	07	31	02	9	9	6/28/61
BM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	2		Radiating Surfaces	1	
Illumination	2		Traffic Control	1	
Material Containment	2		Ventilation	1	
Radiation	—		Other (Note in Remarks)	—	

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Areas
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

01 - Fixed Protection
02 - Environmental Control

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1029	Canteen	07	31	03	7	7	6/28/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED		NO. UNSATISFACTORY (PART - REASON)
Cart	—		Ladder (stationery)	—	
Exit	3		Platforms	—	
Floors	2		Scaffolds	—	
Furniture	2		Stairs	—	
Ladder (portable)	—		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILD	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1029	Canteen	07	31	04	1	1	6/28/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine	—		Steam (Bldg Ht - Below 15 psig)	1	
Hydrofluoric Acid	—		Steam (Low Pressure - 15 - 250 psig)	—	
Natural Gas	—		Steam (High Pressure - above 250 psig)	—	
Pyrofax	—		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

03 - Work Surfaces
04 - Piping & Containers

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING (1-5)	LOCATION (6-45)	DIVISION CODE (46-49)	LOCATION CODE (50-51)	CLASS CODE (52-53)	NO. INSPECTED (54-57)	NO. SATISFACTORY (58-61)	DATE (62-67)
1029	Canteen	07	31	05	9	6	6/28/61

ITEMS INSPECTED	NO.	NO. UNSATISFACTORY (ITEM - CONDITION)
Low Voltage Equipment (Below 480 Volts)	/	
Corded Equipment	3	1959 2(8-5) 1(8-7)
Utilization Equipment	6	
High Voltage Equipment (Above 480 Volts)	/	
Disconnects	—	
Rotating Equipment	—	
Other (Note in Remarks)	—	

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
5. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING (IBM 1-5)	LOCATION (6-45)	DIVISION CODE (46-49)	LOCATION CODE (50-51)	CLASS CODE (52-53)	NO. INSPECTED (54-57)	NO. SATISFACTORY (58-61)	DATE (62-67)
1029	Canteen	07	31	06	6	6	6/28/61

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	1		Use of Safe Attire	1	
Use of Tools	1		Use of Personnel Protective Devices	1	
Use and Maintenance of Machines & Equipment	1		Work Habits	1	
Use of Ionizing Radiation Sources	—				

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

05 - Electrical
06 - Work Practices

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1029	Canteen	07	31	07	3	3	6/28/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered	—	
Hand	3	
Hydraulic	—	
Pneumatic Powered	—	
Powder Actuated	—	

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other *(Note in Remarks)*
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other *(Note in Remarks)*
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1029	Canteen	07	31	08	0	0	6/28/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor	—		Power Truck	—	
Chain Hoist	—		Tractor	—	
Electric Hoist	—		Plant Railway	—	
Winch or Tugger	—		Skid	—	
Sling	—		Pallet	—	
Lifting Fixture	—		Bicycle	—	
Dolley	—		Bus	—	
Handtruck	—		Passenger Car	—	
Wheelbarrow	—		Motor Truck	—	
Fork Truck	—		Other *(Note in Remarks)*	—	

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Cr[illegible]ng Signals	25. Hitches	39. Other *(Note in Remarks)*
12. C[illegible] Signs	26. Hooks	
13. D[illegible]n Control	27. Horn	
14. Deck	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other *(Note in Remarks)*
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

07 - Power Tools
08 - Materials Handling

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1029	Canteen	07	31	09	2	—	6/28/61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Acet[illegible] Tank	—		Freon Tank	—	
Air Receivers	—		HF Tank	—	
Boilers	—		UF_6 Containers	—	
Compressed Gas Cylinders	2		Water Storage Heaters	—	
Fluorine Tank	—		Other *(Note in Remarks)*	—	

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other *(Note in Remarks)*
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other *(Note in Remarks)*	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

09 - Pressure Vessels & Gas Cylinders

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1029	Canteen	07	31	10	6	6	6/28/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Autom[illegible] Arc Cutting Unit	—		Oxygen-Arc Cutting Unit	—	
Automatic Arc Welding Unit	—		Paper Cutter	—	
Bench or Pedestal Grinder	—		Planer (metal)	—	
Blower	—		Planer (wood)	—	
Boring Mill	—		Power Press	—	
Centrifuge	—		Press Brake	—	
Compressor	1		Pulverizer	—	
Crusher	—		Pump	—	
Diesels (stationary)	—		Saw (band - metal)	—	
Drill Press	—		Saw (band - wood)	—	
Fans	4		Saw (circular - metal)	—	
Forming Rolls	—		Saw (circular - wood)	—	
Gear Cutter	—		Saw (jig)	—	
Grinding Machine	—		Saw (power - rip)	—	
Hobber	—		Saw (radial)	—	
Jointer	—		Saw (swing)	—	
Lathe (engine)	—		Screw Machine	—	
Lat[illegible] [illegible]et)	—		Shaper (metal)	—	
Lathe (woodworking)	—		Shaper (wood)	—	
Manual Arc Cutting Unit	—		Shears	—	
Manual Arc Welding Unit	—		Slicer	—	
Mixer	1		Other *(Note in Remarks)*	—	

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other *(Note in Remarks)*
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other *(Note in Remarks)*	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

AUDITED BY (SIGNATURE) Neil B. Schwartz

REVIEWED WITH (SIGNATURE) Harry E. Carr

10 - Machinery and Equipment

— 4/n —

K-1046-B

Quarterly Location (re-survey)

V

BETA-GAMMA RADIATION AUDIT REPORT (0909)

Location K-1045-B Radiation Source Storage Date 9/15/61

Supervisor in Charge A.F. Becher Total Work Area 240 ft²

Operations in Progress none

Protective Measures in Force Radiation Tags and Signs

SUMMARY

RADIATION	This Survey	Last Survey
β+γ Index	3.3	8.2
β+γ Area Factor	3.3	7.5
γ Area Factor	3.3	7.5

SPECIFIC LOCATION	7.5 mrep/hr Distance (ft)	Area (ft²) and Class of Radiation β+γ		γ		Reading (mrep/hr) Maximum β+γ	Maximum γ	1 ft. β+γ	1 ft. γ
101.3 curie Co-60 Source	0.2	1	I	1	I	17	17	2	2
2.0 curie Co-60 Source	1.0	3	I	3	I	100	100	7½	7½
1 g Radium Source	0.3	1	I	1	I	17	17	1	1
1 g Ra-Be Source	—	—	—	—	—	3	3	0.9	0.9
Multitron	0.9	3	I	3	I	35	35	7	7
Iridiron	(In use in field)								
Pu-Be (2 curies)	(In use in field)								

	Range mrep/hr	Weighting Factor	Total ft²	β+γ	γ
Class I	7.5 - 37.5	1		8	8
Class II	37.5 - 300	5		0	0
Class III	300 - 3000	40		0	0
ass IV	>3000	400		0	0
		Grand Total (ft²)		8	8

Maximum Reading β+γ 7½ mr/hr at 1'

WCX-2067 (10-53) K-25 SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem. Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
None present								
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
None Taken						
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS:

Decrease in lead reflector return to K-1004B of Ra-Be temporarily borrowed.

Surveys of source containers, including 101.3 curie source, indicated no source leakage.

Inspector N. B. Schultz Op. Supervisor N. O. Barker for A. F. Becker Date 9/15/61

Special H.P. Job Audit

WEM 8-4-61

HEALTH PHYSICS AND SAFETY JOB AUDIT REPORT

Location K-1045 B Radiation Source Storage Date 8/3/61

Supervisor in Charge A.F. Becher Job Work Area _____ ft²

Operations in Progress Move Pu-Be source from 1036 → 1045 B (temporarily)

Protective Measures in Force Dosimeters, survey meters, shielding.

SUMMARY:

	Before Job	After Job
Alpha Contamination Index (based on estimated work area)		

Contaminated Area Identified: Yes _____ No ✓

Area Cleaned Up by Employees: Before Job _____ After Job _____

Decontamination Request Issued: Yes _____ No _____

Radiation

Time Taken	INTENSITY (mrep/hr) MAXIMUM READING			
	Contact		1 Foot	
	$\beta+\gamma$	γ	$\beta+\gamma$	γ
Before	4.2	4.2	0.2	0.2
During	4.2	4.2	0.2	0.2
After	4.2	4.2	0.2	0.2

Film Badges: No. Wearing / No. Involved = 3/3 or 100 %

Film badge covers: No. Wearing / No. Badges = _____ or _____ %

Work time limits established: Yes DNB No _____

Air Activity

	Specific Location (Give Distance From Equipment Where Applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft³)	Resp. Protection No. Wearing / No. Present	Alpha Activity C/M/ft³
Before Job							
During Job							
During Job							
During Job							
During Job							
During Job							
During Job							
During Job							
During Job							
After Job							
SUMMARY	No. Taken / No. > P.A.L. / % > P.A.L.		For Samples > P.A.L.			No. Wearing / No. Present / %	Total Act. / Av.

None Taken

PERSONNEL CONTAMINATION

Name	Badge No.	Personnel Wearing: Eye Protection	Personnel Wearing: Film Badge	When Checked	Contamination-(C/M) (mrep/hr): Hands	Shoes: Personal	Shoes: Issue	Clothing: Personal	Clothing: Issue	Remarks Reference Number
Explosive						Dose			Meter	
						0 mr		Dosimeter		# 1259
						0 mr			"	960
						0 mr			"	599
										TOTAL:
TOTALS	No. Wearing			No. > P.A.L.						No. > P.A.L.
	No. Checked			No. Checked						No. Checked
	% Wearing			% > P.A.L.						% > P.A.L.

Number of Persons Checking Hands Before Eating, Smoking, or Drinking: $\frac{\text{Number}}{\text{No. Involved}}$ = _____ or _____ %

Hand Counter Located in Building _____. Calibrated: Yes _____ No _____

REMARKS Moved Pu-Be Source from K-1036 Receiving & Shipping to K-1045B (temporary storage). From Monsanto Chem. Co. to Instrument Eng.; PO # 57K-59307. M-1147. 32 grams Pu. In screw-lock-lid, 30 gal. metal drum, lead sealed - wire seal — ICC labeled. 128# gross wt. Paraffin shield, internal. (A.J. Thompson, Dick Stevens, A.F. Becker, F.H. Strain, J.W. Arndt).

Operating or Service Supervisor _____ Auditor Neil P. Schultz Date 8/3/61

SP-11 (2-58) Safety and Health Physics RC

Quarterly

BETA-GAMMA RADIATION AUDIT REPORT

Location K-1045 B Radiation Source Storage (0909) Date 7/20/61

Supervisor in Charge A. F. Becher Total Work Area 240 ft²

Operations in Progress none

Protective Measures in Force Radiation Identification Tags and Signs

SUMMARY

RADIATION		This Survey	Last Survey
	β+γ Index	9.2	6.7
	β+γ Area Factor	7.5	5.0
	γ Area Factor	7.5	5.0

SPECIFIC LOCATION	7.5 mrep/hr Distance (ft)	Area (ft²) and Class of Radiation β+γ		γ		Reading (mrep/hr) Maximum β+γ	Maximum γ	1 ft. β+γ	1 ft. γ
101.3 Curie Cobalt-60	0.3	1	I	1	I	15	15	3	3
2.0 Curie Cobalt-60	1.0	3	I	3	I	50	50	7½	7½
1 mg Radium source	0.3	1	I	1	I	19	19	2½	2½
1 gram Ra-Be source	1.5	1	II	1	II	50	50	12	12
	—	6	I	6	I	37½	37½	—	—
Multitron (3.6c + 0.8c Co^{60})	1.0	3	I	3	I	35	35	7½	7½
Induction (27.4c Ir^{192})	1.0	3	I	3	I	90	90	7½	7½

	Range mrep/hr	Weighting Factor	Total ft²	β+γ	γ
Class I	7.5 - 37.5	1		17	17
Class II	37.5 - 300	5		1	1
Class III	300 - 3000	40		0	0
Class IV	> 3000	400		0	0
		Grand Total (ft²)		18	18

Maximum Reading β+γ 12 mr/hr at 1'

WCX-2067 (10-53) K-25 SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		

Special Job Audit

HEALTH PHYSICS AND SAFETY JOB AUDIT REPORT

Location K-1045-B Radiation Source Storage Date 7/24/61
Supervisor in Charge A.F. Becher Job Work Area 240 ft²
Operations in Progress Riggers moving Ra-Be source in part to K-1004B-114.
Protective Measures in Force Meter badges; dosimeters; monitoring

SUMMARY:

	Before Job	After Job
Alpha Contamination Index (based on estimated work area)	—	—

Contaminated Area Identified: Yes ___ No ✓
Area Cleaned Up by Employees: Before Job N/A After Job ___
Decontamination Request Issued: Yes ___ No ___

Radiation

Gamma

Time Taken	INTENSITY (mrep/hr) MAXIMUM READING Contact β+γ	Contact γ	1 Foot β+γ	1 Foot γ
Before	50	50	20	20
During	50	50	20	20
After	50	50	20	20

Film Badges: No. Wearing / No. Involved = 4/4 or 100 %

Film badge covers: No. Wearing / No. Badges = — or — %

Work time limits established: Yes ✓ No ___

Air Activity

	Specific Location (Give Distance From Equipment Where Applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft³)	Resp. Protection No. Wearing / No. Present	Alpha Activity C/M/ft³
Before Job							
During Job							
During Job							
During Job							
During Job							
During Job							
During Job							
During Job							
During Job							
After Job							
SUMMARY	No. Taken / No. > P.A.L. / % > P.A.L.		For Samples > P.A.L.			No. Wearing / No. Present / %	Total Act. / Av.

None taken

PERSONNEL CONTAMINATION

Name	Badge No.	Personnel Wearing		When Checked	Contamination-(C/M) (mrep/hr)					Remarks Reference Number
		Eye Protection	Film Badge		Hands	Shoes		Clothing		
						Personal	Issue	Personal	Issue	
-										Dosimeter
-										≈ 5 mm
-										
-										0 mr
-										
-										0 mr
-										
-										0 mr
										TOTAL:
TOTALS	No. Wearing			No. > P.A.L.						No. > P.A.L.
	No. Checked			No. Checked						No. Checked
	% Wearing			% > P.A.L.						% > P.A.L.

Number of Persons Checking Hands Before Eating, Smoking, or Drinking: $\frac{\text{Number}}{\text{No. Involved}}$ = _____ or _____ %

Hand Counter Located in Building _____ . Calibrated: Yes _____ No _____

REMARKS

1 gm Ra-Be source had been borrowed from L. R. Olsen K-1004B. This source in its lead pot was returned to Room 114 in K-1004B. Since further use by our group is not anticipated at this time.

Operating or Service Supervisor N. O. Becker for A. J. Becker Auditor Neil B. Schatt Date 7/24/61

SP-11 (2-58) Safety and Health Physics RC

BETA-GAMMA RADIATION AUDIT REPORT (0909)

Location K-1045-B Radiation Storage Date 5-22-61

Supervisor in Charge A.F. Bechert Total Work Area 240 ft²

Operations in Progress No operations in Progress

Protective Measures in Force Radiation Tags

SUMMARY

RADIATION		This Survey	Last Survey
	β+γ Index	6.7	7.9
	β+γ Area Factor	5.0	6.3
	γ Area Factor	5.0	6.3

SPECIFIC LOCATION	7.5 mrep/hr Distance (ft)	Area (ft²) and Class of Radiation β+γ		γ		Reading (mrep/hr) Maximum β+γ	Maximum γ	1 ft. β+γ	1 ft. γ
Multifron	1.	3	I	3	I	35	35	7.5	7.5
RaBe Source	1.5	1	II	1	II	50	50	17	17
" " "		6	I	6	I	37.5	37.5		
100c Co 60 —	0.3	1	I	1	I	14	14	2.	5
1 Mg Radium Source	0.3	1	I	1	I	19	19	7.5	7.5

	Range mrep/hr	Weighting Factor		β+γ	γ
Class I	7.5 - 37.5	1	Total ft²	11	11
Class II	37.5 - 300	5		1	1
Class III	300 - 3000	40		0	0
lass IV	>3000	400		0	0
		Grand Total (ft²)		12	12

Maximum Reading β+γ 17.

WCX-2067 (10-53) K-25 SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
None present								
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
None						
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS:

Inspector [signature] Op. Supervisor [signature] for C. A. Becker Date 6-5-61

~~① H.P.~~ ② Records File

BETA-GAMMA RADIATION AUDIT REPORT (0909)

Location K-1045-B Radiation Storage Date 3-15-61

Supervisor in Charge A.F. Becher. Total Work Area 240 ft²

Operations in Progress No operation in Progress.

Protective Measures in Force Radiation Tags.

SUMMARY

RADIATION		This Survey	Last Survey
	$\beta+\gamma$ Index	7.9	2.9
	$\beta+\gamma$ Area Factor	6.3	2.1
	γ Area Factor	6.3	2.1

SPECIFIC LOCATION	7.5 mrep/hr Distance (ft)	Area (ft²) and Class of Radiation $\beta+\gamma$		γ		Reading (mrep/hr) Maximum $\beta+\gamma$	Maximum γ	1 ft. $\beta+\gamma$	1 ft. γ
1 Mg Radium Source	0.3	1	I	1	I	19	19	2.5	2.5
100 C. Cobalt 60 "	0.3	1	I	1	I	19	19	3.5	3.5
Ra Be Source	2.	1	II	1	II	50	50	20	20
" "	—	9	I	9	I	37.5	37.5	—	—
Multitron	1.	3	I	3	I	30	30	7.5	7.5

	Range mrep/hr	Weighting Factor	Total ft²		
Class I	7.5 - 37.5	1	14	14	
Class II	37.5 - 300	5	1	1	Maximum Reading $\beta+\gamma$ 20.
Class III	300 - 3000	40	0	0	
Class IV	> 3000	400	0	0	
		Grand Total (ft²)	15	15	

WCX-2067 (10-53) K-25 SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem. Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
None Present								
SUMMARY: No. > P.A.L.								
No. Checked								
% Total Checks > P.A.L.								

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
None Taken						
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS: Increase due to Storing Ra Be Source in Building.

Inspector E.R. Eastings Op. Supervisor N.D. Barker for W.F. Becker Date 3/02/61

SAFETY AUDIT REPORT (1:00) annual

UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
V-1045B	Radiation Source Storage	07	45	01	2	2	7/19/61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Sprinkler System	—		Fire Extinguishers	1	
Emergency Exits	1		Protective Equip. Supply	—	
Emergency Station	—		P. A. System	—	
Evacuation Alarm	—		Safety Showers	—	
Eye Baths	—		Standpipes	—	
Fire Alarm Boxes	—		Other *(Note in Remarks)*	—	
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other *(Note in Remarks)*
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO SATISFACTORY	DATE
V-1045B	Radiation Source Storage	07	45	02	6	6	7/19/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	1		Radiating Surfaces	—	
Illumination	1		Traffic Control	1	
Material Containment	1		Ventilation	1	
Radiation	1		Other *(Note in Remarks)*	—	

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Areas
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other *(Note in Remarks)*
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

01 - Fixed Protection
02 - Environmental Control

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1045 B	Radiation Source Storage	07	45	03	2	2	7/19/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Catv.	—		Ladder (stationery)	—	
Exit	1		Platforms	—	
Floors	1		Scaffolds	—	
Furniture	—		Stairs	—	
Ladder (portable)	—		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1045 B	Radiation Source Storage	07	45	04	10	10	7/19/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine	—		Steam (Bldg Ht - Below 15 psig)	—	
Hydrofluoric Acid	—		Steam (Low Pressure - 15 - 250 psig)	—	
Natural Gas	—		Steam (High Pressure - above 250 psig)	—	
Pyrofax	—		Other (Note in Remarks)	10	Some Pots

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

03 - Work Surfaces
04 - Piping & Containers

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING (1-5)	LOCATION (6-45)	DIVISION CODE (46-49)	LOCATION CODE (50-51)	CLASS CODE (52-53)	NO. INSPECTED (54-57)	NO. SATISFACTORY (58-61)	DATE (62-67)
K-1045B	Radiation Source Storage	07	45	05	0	0	7/19/61

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)	/	
Corded Equipment	—	
Utilization Equipment	—	
High Voltage Equipment (Above 480 Volts)	/	
Disconnects	—	
Rotating Equipment	—	
Other (Note in Remarks)	—	

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
5. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING (1-5)	LOCATION (6-45)	DIVISION CODE (46-49)	LOCATION CODE (50-51)	CLASS CODE (52-53)	NO. INSPECTED (54-57)	NO. SATISFACTORY (58-61)	DATE (62-67)
K-1045B	Radiation Source Storage	07	45	06	0	0	7/19/61

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	—		Use of Safe Attire	—	
Use of Tools	—		Use of Personnel Protective Devices	—	
Use and Maintenance of Machines & Equipment	—		Work Habits	—	
Use of Ionizing Radiation Sources	—			—	

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

05 - Electrical
06 - Work Practices

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1045B	Radiation Source Storage	07	45	07	4	4	7/19/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electr. Powered	1	
Hand	3	
Hydraulic	—	
Pneumatic Powered	—	
Powder Actuated	—	

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1045B	Radiation Source Storage	07	45	08	6	6	7/19/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor	—		Power Truck	—	
Chain Hoist	—		Tractor	—	
Electric Hoist	—		Plant Railway	—	
Winch or Tugger	—		Skid	—	
Sling	—		Pallet	—	
Lifting Fixture	—		Bicycle	—	
Dolley	4		Bus	—	
Handtruck	2		Passenger Car	—	
Wheelbarrow	—		Motor Truck	—	
Fork Truck	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Crossing Signals	25. Hitches	39. Other (Note in Remarks)
12. Cr · Signs	26. Hooks	
13. Dr n Control	27. Horn	
14. Deck	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

07 - Power Tools
08 - Materials Handling

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
11-1045B	Radiation Source Storage	07	45	09	0	0	7/19/61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Acetylene Tank	—		Freon Tank	—	
Air Receivers	—		HF Tank	—	
Boilers	—		UF_6 Containers	—	
Compressed Gas Cylinders	—		Water Storage Heaters	—	
Fluorine Tank	—		Other *(Note in Remarks)*	—	

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other *(Note in Remarks)*
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other *(Note in Remarks)*	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1045B	Radiation Source Storage	07	45	10	0	0	7/18/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Autom[illegible] Arc Cutting Unit	—		Oxygen-Arc Cutting Unit	—	
Automatic Arc Welding Unit	—		Paper Cutter	—	
Bench or Pedestal Grinder	—		Planer (metal)	—	
Blower	—		Planer (wood)	—	
Boring Mill	—		Power Press	—	
Centrifuge	—		Press Brake	—	
Compressor	—		Pulverizer	—	
Crusher	—		Pump	—	
Diesels (stationary)	—		Saw (band - metal)	—	
Drill Press	—		Saw (band - wood)	—	
Fans	—		Saw (circular - metal)	—	
Forming Rolls	—		Saw (circular - wood)	—	
Gear Cutter	—		Saw (jig)	—	
Grinding Machine	—		Saw (power - rip)	—	
Hobber	—		Saw (radial)	—	
Jointer	—		Saw (swing)	—	
Lathe (engine)	—		Screw Machine	—	
Lathe (turret)	—		Shaper (metal)	—	
Lathe (woodworking)	—		Shaper (wood)	—	
Manual Arc Cutting Unit	—		Shears	—	
Manual Arc Welding Unit	—		Slicer	—	
Mixer	—		Other (Note in Remarks)	—	

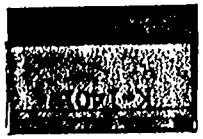
UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
0. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

AUDITED BY (SIGNATURE) Neil B. Schultz

REVIEWED WITH (SIGNATURE) A. D. Becker for A. D. Becker

10 - Machinery and Equipment



Semi - annual

ALPHA CONTAMINATION AUDIT REPORT (0908)

ation K-1401 Mechanical Test Shop (Lunch Area) Date 7-20-61

pervisor in Charge C. L. SUTTON Total Work Area 150 ft²

Operations in Progress normal

Protective Measures in Force Safety glasses

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	0.0	0.0
	Area Factor (Total)	0.0	0.0
	Area Factor (Wipe)	0.0	0.0

SPECIFIC LOCATION	Area (ft²) and Class of Contamination		Maximum Reading (c/m)	
	Surface	Wipe	Surface	Wipe
Table and benches	—	—	<100	<100
Floor surfaces	—	—	<100	<100

	Range Surface	(c/m) Wipe	Weighting Factor			
Class 0	*	–	0	Total ft²	0	0
Class I	500-2000	100-500	1		0	0
Class II	2000-10,000	500-2000	5		0	0
ss III	> 10,000	> 2000	20		0	0
			Grand Total (ft²)		0	0

β+γ

α PAL

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rer Ret. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
none present								
SUMMARY: No. > P.A.L.								
No. Checked								
% Total Checks > P.A.L.								

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
E end of area (Col G-18)	HP-527	9:45am	20	280	0/0	0.03
SUMMARY: Air Samples	1	No. Taken		For Samples > P.A.L.	Total —	Total 0.03
	0	No. > P.A.L.			% —	Average 0.03
	0	% > P.A.L.				

REMARKS:

Inspector Neil B. Schultz Op. Supervisor [illegible] Date 7/20/61

-11010-

SAFETY AUDIT REPORT Semi-annual

UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1401	Mechanical Test Shop	07	81	01	6	6	7/20/61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto. Sprinkler System	1		Fire Extinguishers	3	
Emergency Exits	1		Protective Equip. Supply	1	
Emergency Station	—		P. A. System	—	
Evacuation Alarm	—		Safety Showers	—	
Eye Baths	—		Standpipes	—	
Fire Alarm Boxes	—		Other (Note in Remarks)	—	
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1401	Mechanical Test Shop	07	81	02	10	10	7/20/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	2		Radiating Surfaces	—	
Illumination	2		Traffic Control	1	
Material Containment	2		Ventilation	2	
Radiation	1		Other (Note in Remarks)	—	

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Areas
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

01 - Fixed Protection
02 - Environmental Control

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING (1BM 1-5)	LOCATION (6-45)	DIVISION CODE (46-49)	LOCATION CODE (50-51)	CLASS CODE (52-53)	NO. INSPECTED (54-57)	NO. SATISFACTORY (58-61)	DATE (62-67)
K-1401	Mechanical Test Shop	07	81	03	8	8	7/20/61

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED		NO. UNSATISFACTORY (PART - REASON)
Cat[illegible]	—		Ladder (stationery)	—	
Exit	2		Platforms	—	
Floors	2		Scaffolds	—	
Furniture	2		Stairs	—	
Ladder (portable)	2		Other *(Note in Remarks)*	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other *(Note in Remarks)*
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other *(Note in Remarks)*	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILD. (1BM 1-5)	LOCATION (6-45)	DIVISION CODE (46-49)	LOCATION CODE (50-51)	CLASS CODE (52-53)	NO. INSPECTED (54-57)	NO. SATISFACTORY (58-61)	DATE (62-67)
K-1401	Mechanical Test Shop	07	81	04	2	2	7/20/61

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine	—		Steam (Bldg Ht - Below 15 psig)	—	
Hydrofluoric Acid	—		Steam (Low Pressure - 15-250 psig)	—	
Natural Gas	—		Steam (High Pressure - above 250 psig)	—	
Pyrofax	—		Other *(Note in Remarks)*	2	freon, air

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other *(Note in Remarks)*	8. Indistinct	17. Other *(Note in Remarks)*
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

03 - Work Surfaces
04 - Piping & Containers

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Mechanical Test Shop	07	81	05	30	30	7/20/61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM - CONDITION)
Low Voltage Equipment (Below 480 Volts)	/	
Corded Equipment	10	1961 tags
Utilization Equipment	20	
High Voltage Equipment (Above 480 Volts)	/	
Disconnects	—	
Rotating Equipment	—	
Other (Note in Remarks)	—	

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
5. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Mechanical Test Shop	07	81	06	6	6	7/20/61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	1		Use of Safe Attire	1	
Use of Tools	1		Use of Personnel Protective Devices	1	
Use and Maintenance of Machines & Equipment	1		Work Habits	1	
Use of Ionizing Radiation Sources	—				

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
0. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

05 - Electrical
06 - Work Practices

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1401	Mechanical Test Shop	07	81	07	9	9	7/20/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Elect. Powered	2	
Hand	6	
Hydraulic	—	
Pneumatic Powered	1	
Powder Actuated	—	

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1401	Mechanical Test Shop	07	81	08	29	29	7/20/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor	—		Power Truck	—	
Chain Hoist	3		Tractor	—	
Electric Hoist	1		Plant Railway	—	
Winch or Tugger	—		Skid	—	
Sling	20		Pallet	—	
Lifting Fixture	1		Bicycle	2	
Dolley	2		Bus	—	
Handtruck	—		Passenger Car	—	
Wheelbarrow	—		Motor Truck	—	
Fork Truck	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Crossing Signals	25. Hitches	39. Other (Note in Remarks)
12. C[illegible] Signs	26. Hooks	
13. D[illegible]n Control	27. Horn	
14. Dec[illegible]	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

07 - Power Tools
08 - Materials Hand

SAFETY AUDIT REPORT
UGN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
-1401	Mechanical Test Shop	07	81	09	11	11	7/20/61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Acet. ank	—		Freon Tank	1	
Air Receivers	1		HF Tank	—	
Boilers	—		UF_6 Containers	—	
Compressed Gas Cylinders	9	N_2, air, freon	Water Storage Heaters	—	
Fluorine Tank	—		Other *(Note in Remarks)*	—	

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other *(Note in Remarks)*
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other *(Note in Remarks)*	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

09 - Pressure Vessels & Gas Cylinders

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING (IBM 1-5)	LOCATION (6-45)	DIVISION CODE (46-49)	LOCATION CODE (50-51)	CLASS CODE (52-53)	NO. INSPECTED (54-57)	NO. SATISFACTORY (58-61)	DATE (62-67)
K-1401	Mechanical Test Shop	07	81	10	13	13	7/20/61

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto[illegible] Arc Cutting Unit	—		Oxygen-Arc Cutting Unit	—	
Automatic Arc Welding Unit	—		Paper Cutter	—	
Bench or Pedestal Grinder	1		Planer (metal)	—	
Blower	—		Planer (wood)	—	
Boring Mill	—		Power Press	—	
Centrifuge	—		Press Brake	—	
Compressor	1		Pulverizer	—	
Crusher	—		Pump	1	
Diesels (stationary)	—		Saw (band - metal)	—	
Drill Press	1		Saw (band - wood)	—	
Fans	3		Saw (circular - metal)	—	
Forming Rolls	—		Saw (circular - wood)	—	
Gear Cutter	—		Saw (jig)	—	
Grinding Machine	—		Saw (power - rip)	—	
Hobber	—		Saw (radial)	—	
Jointer	—		Saw (swing)	—	
Lathe (engine)	—		Screw Machine	—	
Lat[illegible]et)	—		Shaper (metal)	—	
Lathe (woodworking)	—		Shaper (wood)	—	
Manual Arc Cutting Unit	—		Shears	—	
Manual Arc Welding Unit	—		Slicer	—	
Mixer	—		Other (Note in Remarks)	6	*

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
0. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

* Vidigage thickness tester, X-ray, Xerorad radiographic Developing Unit, Xerox charging and Cleaning Unit, vise, sander.

AUDITED BY (SIGNATURE) Neil B. Schultz

REVIEWED WITH (SIGNATURE) [illegible]

10 - Machinery and Equipment

nbr

ALPHA CONTAMINATION AUDIT REPORT (0908)

Location K-1401 Mechanical Test Lunch Area Date 4-27-61

Supervisor in Charge C. L. Sutton Total Work Area 150 ft²

Operations in Progress None

Protective Measures in Force —

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	0.0	0.0
	Area Factor (Total)	0.0	0.0
	Area Factor (Wipe)	0.0	0.0

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Lunch Table - Top					<100	<100
Seats					<100	<100
Floor -					200	<100
(Tool Cabinets + Boxes Outside						
Lunch Area						
MAX Reading					600	<100

	Range Surface	Range Wipe (c/m)	Weighting Factor		Surface	Wipe	
Class 0	*	—	0	Total ft²	—	—	Est. < P.A.L.
Class I	500-2000	100-500	1		0	0	
Class II	2000-10,000	500-2000	5		0	0	
Class III	> 10,000	> 2000	20		0	0	
			Grand Total (ft²)		0	0	

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

WCX-1320 (10-59) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem. Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
None present.								
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
Center -	378	10:00	17	77	0/0	0.01

SUMMARY:							
Air Samples	1	No. Taken		For Samples > P.A.L.	Total		Total 0.01
	0	No. > P.A.L.			%		Average 0.01
	—	% > P.A.L.					

REMARKS:

Inspector [illegible] Op. Supervisor [illegible] Date 5-12-61

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Mechanical Test Shop	07	81	01	1	1	3-15-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Sprinkler System	—		Fire Extinguishers	1	
Emergency Exits	—		Protective Equip. Supply	— *	
Emergency Station	—		P. A. System	—	
Evacuation Alarm	—		Safety Showers	—	
Eye Baths	—		Standpipes	—	
Fire Alarm Boxes	—		Other (Note in Remarks)		
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS: * Inoperable suit and mask on equipment in shop - mask has probably been used - not in sealed package. This is to be used in the next few days for checking fluorine tank -

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Mechanical Test Shop	07	81	02	10	8	3-15-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	4HH	1(6-8) 1(6-8)	Radiating Surfaces	—	
Illumination	//		Traffic Control	—	
Material Containment	///		Ventilation	—	
Radiation	—		Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Areas
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

AUDITED BY (SIGNATURE) [signature]

REVIEWED WITH (SIGNATURE) [signature]

01 - Fixed Protection
02 - Environmental Control

64-57 5-5

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
401	Mechanical Test Shop	07	81	03	8	7	3-15-61
FSM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED		NO. UNSATISFACTORY (PART - REASON)
Catwalks	—		Ladder (stationery)	/	
Exit	—		Platforms	—	
Floors	///		Scaffolds	—	
Furniture	//		Stairs	—	
Ladder (portable)	//	1 (12-4)	Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
401	Mechanical Test Shop	07	81	04	7	7	3-15-61
FSM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine	—		Steam (Bldg Ht - Below 15 psig)	/	
Hydrofluoric Acid	—		Steam (Low Pressure - 15 - 250 psig)	/	
Natural Gas	—		Steam (High Pressure - above 250 psig)	—	
Pyrofax	—		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE) J B Bremer

REVIEWED WITH (SIGNATURE) C L Sutton

03 - Work Surfaces
04 - Piping & Containers

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
401	Mechanical Test Shop	07	81	05	13	12	3-15-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEMS INSPECTED	NO.	NO. UNSATISFACTORY (ITEM - CONDITION)
Low Voltage Equipment (Below 480 Volts)	—	
Corded Equipment	* HHH 11	
Utilization Equipment	HHH 1	1(4-5)
High Voltage Equipment (Above 480 Volts)	—	
Disconnects	—	
Rotating Equipment	—	
Other (Note in Remarks)	—	

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
5. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS: * All corded equipment has been recently inspected & Tested by the electrical Test Group

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
401	Mechanical Test Shop.	07	81	06	5	5	3-15-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	—		Use of Safe Attire	//	
Use of Tools	—		Use of Personnel Protective Devices	//	
Use and Maintenance of Machines & Equipment	/		Work Habits	—	
Use of Ionizing Radiation Sources	—				

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

AUDITED BY (SIGNATURE) B Boman

REVIEWED WITH (SIGNATURE) C Sutton

05 - Electrical
06 - Work Practices

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

Page 4 of _____

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Mechanical Test Shop	07	81	07	9	9	3-15-6-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE OF TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered	11	
Hand	1111	
Hydraulic	1	
Pneumatic Powered	—	
Powder Actuated	—	

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other *(Note in Remarks)*
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other *(Note in Remarks)*
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Mechanical Test Shop	07	81	08	9	9	3-15-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor	—		Power Truck	—	
Chain Hoist	1		Tractor	—	
Electric Hoist	1		Plant Railway	—	
Winch or Tugger	—		Skid	—	
Sling	1111		Pallet	—	
Lifting Fixture			Bicycle	1	
Dolley	—		Bus	—	
Handtruck	1		Passenger Car	—	
Wheelbarrow	—		Motor Truck	—	
Fork Truck	—		Other *(Note in Remarks)*		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. C[illegible]g Signals	25. Hitches	39. Other *(Note in Remarks)*
12. C[illegible]g Signs	26. Hooks	
13. De[illegible]an Control	27. Horn	
14. Deck	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other *(Note in Remarks)*
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE) [signature]

REVIEWED WITH (SIGNATURE) [signature]

07 - Power Tools
08 - Materials Handling

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING (1-5)	LOCATION (6-45)	DIVISION CODE (46-49)	LOCATION CODE (50-51)	CLASS CODE (52-53)	NO. INSPECTED (54-57)	NO. SATISFACTORY (58-61)	DATE (62-67)
401	Mechanical Test Shop	07	91	09	7	5	3-15-61

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Acetone Tank	—		Freon Tank	/	
Air Receivers	—		HF Tank	—	
Boilers	—		UF_6 Containers	—	
Compressed Gas Cylinders	HM1	1(11-18) 1(11-11)	Water Storage Heaters	—	
Fluorine Tank	—		Other (Note in Remarks)		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other (Note in Remarks)
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other (Note in Remarks)	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE) [signature]

REVIEWED WITH (SIGNATURE) [signature]

09 - Pressure Vessels & Gas Cylinders

SAFETY AUDIT REPORT

UCN-2621 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Mechanical Test Shop	07	81	10	5	4	3-15-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto. - Arc Cutting Unit	—		Oxygen-Arc Cutting Unit	/	
Automatic Arc Welding Unit	—		Paper Cutter	—	
Bench or Pedestal Grinder	/		Planer (metal)	—	
Blower	—		Planer (wood)	—	
Boring Mill	—		Power Press	—	
Centrifuge	—		Press Brake	—	
Compressor	—		Pulverizer	—	
Crusher	—		Pump	—	
Diesels (stationary)	—		Saw (band - metal)	—	
Drill Press	/		Saw (band - wood)	—	
Fans	/		Saw (circular - metal)	—	
Forming Rolls	—		Saw (circular - wood)	—	
Gear Cutter	—		Saw (jig)	—	
Grinding Machine	—		Saw (power - rip)	—	
Hobber	—		Saw (radial)	—	
Jointer	—		Saw (swing)	—	
Lathe (engine)	—		Screw Machine	—	
Lathe (turret)	—		Shaper (metal)	—	
Lathe (woodworking)	—		Shaper (wood)	—	
Manual Arc Cutting Unit	—		Shears	—	
Manual Arc Welding Unit	/	*1 (20-7)	Slicer	—	
Mixer	—		Other (Note in Remarks)		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS: * Welder Belongs to Weld Shop.

EDITED BY (SIGNATURE) [signature]

REVIEWED WITH (SIGNATURE) [signature]

10 - Machinery and Equipment

DSP'd Box #H-2-3-18 #6

ChemRisk/Shonka Research Associates, Inc., Document Request Form

(This section to be completed by subcontractor requesting document)

J. Lamb / 1034A

Requestor — Document Center (is requested to provide the following document)

Date of request 9/14/95 Expected receipt of document 10/14/95

Document number _____ Date of document 1961

Title and author (if document is unnumbered)

Environmental Conditions-Maintenance Division 1961 Binder 2 of 3

⇒ Please copy the entire binder

(This section to be completed by Document Center)

Date request received 9/14/95

Date submitted to ADC 10/10/95

Date submitted to HSA Coordinator 9/14/95

(This section to be completed by HSA Coordinator)

Date submitted to CICO 10/16/95 Resub. 12/14/95

Date received from CICO 12/27/95

Date submitted to ChemRisk/Shonka and DOE 1/8/96

(This section to be completed by ChemRisk/Shonka Research Associates, Inc.)

Date document received _____

Signature _____

ENVIRONMENTAL CONDITIONS - MAINTENANCE
DIVISION - 1961 BINDER 2 OF 3
(With Deletions)

This document has been approved for release
to the public by:
Gary W. Gallagher ASQ 12/27/95
Technical Information Officer Date
Oak Ridge K-25 Site

HEALTH PHYSICS AND SAFETY JOB AUDIT REPORT

:ation K-502-1 Date 4-27-61

Supervisor in Charge _____ Job Work Area _____ ft^2

Operations in Progress _____

Protective Measures in Force _____

SUMMARY:

	Before Job	After Job
Alpha Contamination Index (based on estimated work area)		

Contaminated Area Identified: Yes _____ No _____

Area Cleaned Up by Employees: Before Job _____ After Job _____

Decontamination Request Issued: Yes _____ No _____

Radiation

Time Taken.	INTENSITY (mrep/hr) MAXIMUM READING			
	Contact		1 Foot	
	$\beta + \gamma$	γ	$\beta + \gamma$	γ
Before				
During				
After				

Film Badges: $\frac{\text{No. Wearing}}{\text{No. Involved}}$ = _____ or _____ %

Film badge covers: $\frac{\text{No. Wearing}}{\text{No. Badges}}$ = _____ or _____ %

Work time limits established: Yes _____ No _____

Air Activity

	Specific Location (Give Distance From Equipment Where Applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
Before Job	Face Level-East of Comp.	HPX-202	1:21	5	15	0/0	0.01
During Job	Cutting out Comp. #3	HPX-203	1:37	5	14	2/4	0.03
During Job	" " " "	HPX-206	1:43	5	13		0.06
During Job	Removing Compressor	HPX-208	2:10	5	12	2/4	8.07
During Job							
During Job							
During Job							
During Job							
During Job							
After Job							
SUMMARY	No. Taken	4	For Samples > P.A.L.			No. Wearing 2	Total Act. 8.17
	No. > P.A.L.	1				No. Present 4	
	% > P.A.L.	25%				% 50%	Av. 2.04

HEALTH PHYSICS AND SAFETY JOB AUDIT REPORT

Location K-502-1 Compressor and Piping Change Date 4-27-61

Supervisor in Charge J. M. Ellis Job Work Area 1600 ft^2

Operations in Progress Changing out debladed compressor

Protective Measures in Force Issured clothing, Gloves, and respirators as needed.

SUMMARY:

	Before Job	After Job
Alpha Contamination Index (based on estimated work area)	0	0

Contaminated Area Identified: Yes _____ No _____

Area Cleaned Up by Employees: Before Job _____ After Job _____

Decontamination Request Issued: Yes _____ No _____

Radiation

Time Taken	INTENSITY (mrep/hr) MAXIMUM READING Contact $\beta+\gamma$	Contact γ	1 Foot $\beta+\gamma$	1 Foot γ
Before				
During	7	1	2	1
After				

Film Badges: $\frac{\text{No. Wearing}}{\text{No. Involved}}$ = 4/13 or 31%

Film badge covers: $\frac{\text{No. Wearing}}{\text{No. Badges}}$ = _____ or _____ %

Work time limits established: Yes _____ No _____

Air Activity

	Specific Location (Give Distance From Equipment Where Applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity C/M/ft^3	use eye Prot
Before Job	Face Level East of compressor	HPX-201	1:03	5	16	0/7	0.00	
During Job	Cutting out Compressor #1	HPX-204	1:32	6	18	3/8	0.04	6/
During Job	Cutting out Compressor #1 and overhead pipe	HPX-205	1:42	5	16	4/8	0.14	7/
During Job	Removing compressor	HPX-207	1:53	5	19	3/10	0.07	4/
During Job	Compressor out-Pipe open	HPX-209	1:59	5	18	6/7	0.34	4/
During Job	Cleaning out Pipe	HPX-210	2:18	5	19	4/6	20.00	2/
During Job								
During Job								
During Job								
After Job								

SUMMARY					
	No. Taken	6	For Samples > P.A.L.	No. Wearing 4	Total Act. 20.59
	No. > P.A.L.	1		No. Present 6	
	% > P.A.L.	17%		% 67%	Av. 3.43

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

Page 1 of ____

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-502-1	Compression Change (Deblocked)	01	31	01	5	5	4-27-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto. Sprinkler System			Fire Extinguishers	1	
Emergency Exits			Protective Equip. Supply	2	
Emergency Station			P. A. System		
Evacuation Alarm			Safety Showers		
Eye Baths			Standpipes	1	
Fire Alarm Boxes	1		Other (Note in Remarks)		
Fire Doors					

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILD...	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO SATISFACTORY	DATE
K-502-1	Compression Change (Deblocked)	01	31	02	21	17	4-27-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	4	1(6-8)	Radiating Surfaces	6	
Illumination	3		Traffic Control	2	
Material Containment	4	2(6-21) 1-6 - [illegible]	Ventilation	2	
Radiation			Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Area
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks) Cautions
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS: [illegible] Aisles -

-4-

194-170 128-76

AUDITED BY (SIGNATURE) [illegible]

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-502-1	Compressor Change	01	31	03	15	14	4-27-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART-REASON)	SURFACES CHECKED		NO. UNSATISFACTORY (PART-REASON)
Cat			Ladder (stationery)	2	
Exit			Platforms	2	
Floors	3		Scaffolds	3	1 (10-1) (10-3) (10-19) ?
Furniture			Stairs	2	
Ladder (portable)	3		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-502-1	Compressor Change	01	31	04			4-27-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART-CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Fluorine			Steam (Bldg Ht - below 15 psig)		
Hydrofluoric Acid			Steam (Low Pressure - 15-250 psig)		
Natural Gas			Steam (High Pressure - above 250 psig)		
Pyrofax			Safety Can Other (Note in Remarks)	~~1~~	1 (17-12)

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks) Safety can	8. Indistinct	17. Other (Note in Remarks) Identification
9. Guards or Supports		9. Inoperative	

REMARKS: Safety Can Not identified.

AUDITED BY (SIGNATURE) W. P. Sood

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

CN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-502-1	Compressor Change	01	31	05	12	9	4-27-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)	3	
Corded Equipment	9	3 (8-5)
Utilization Equipment		
High Voltage Equipment (Above 480 Volts)		
Disconnects		
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
5. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-502-1	Compressor Change	01	31	06	128	96	4-27-1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	6	2 (31) 2 (32)
Use of Tools	6	
Use and Maintenance of Machines & Equipment		
Use of Ionizing Radiation Sources		

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Use of Safe Attire	12	
Use of Personnel Protective Devices	92	20 (15) 23 (25) 4 (24)
Work Habits	12	1 (33)

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel Enclosure, when Unsafe Because of Temperature Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas
31. use of [illegible] switch
32. Rigging [illegible]
33. Parking [illegible] sitting [illegible]

REMARKS: Two employees using [illegible] without eye protection.
Cutting on [illegible] - Hoses -
Secure for [illegible]
CO2 used on [illegible]
used [illegible]
Welding electrode on floor
Rigging [illegible]

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-502-1	Compressor Change	01	31	07	36	33	4-27
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Elec. Powered	3	
Hand	32	1(25-1) 1(7-9) 1(5-15)
Hydraulic	1	
Pneumatic Powered		
Powder Actuated		

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-502-1	Compressor Change	01	31	08	64	59	4-27-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor			Power Truck	2	
Chain Hoist	1		Tractor		
Electric Hoist	1		Plant Railway		
Winch or Tugger	21		Skid		
Sling	30	5(35-5)	Pallet		
Lifting Fixture			Bicycle		
Dolley	6		Bus		
Handtruck	3		Passenger Car		
Wheelbarrow			Motor Truck		
Fork Truck			Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Crossing Signals	25. Hitches	39. Other (Note in Remarks)
12. C g Signs	26. Hooks	
13. E n Control	27. Horn	
14. De...	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS: [illegible]

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
502-1	Compressor Charge	01	31	09	25	25	4-27-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIC
Acet. Tank			Freon Tank		
Air Receivers			HF Tank		
Boilers			UF_6 Containers		
Compressed Gas Cylinders	25		Water Storage Heaters		
Fluorine Tank			Other *(Note in Remarks)*		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other *(Note in Remarks)*
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other *(Note in Remarks)*	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE)

09 - Pressure Vessels &

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-502-1	Compressor Change	01	31	10	16	8	4-27-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Arc Cutting Unit			Oxygen-Arc Cutting Unit	8	4(19-2)
Automatic Arc Welding Unit			Paper Cutter		
Bench or Pedestal Grinder			Planer (metal)		
Blower			Planer (wood)		
Boring Mill			Power Press		
Centrifuge			Press Brake		
Compressor			Pulverizer		
Crusher			Pump		
Diesels (stationary)			Saw (band - metal)		
Drill Press			Saw (band - wood)		
Fans	2		Saw (circular - metal)		
Forming Rolls			Saw (circular - wood)		
Gear Cutter			Saw (jig)		
Grinding Machine			Saw (power - rip)		
Hobber			Saw (radial)		
Jointer			Saw (swing)		
Lathe (engine)			Screw Machine		
Lathe (turret)			Shaper (metal)		
Lathe (woodworking)			Shaper (wood)		
Manual Arc Cutting Unit			Shears		
Manual Arc Welding Unit	6	4(20-7) (2-2)	Slicer		
Mixer			Other (Note in Remarks)		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) T. M. Ewis

10 - Machinery and

RADIATION MONITORIN. ND CONTROL REPORT

Division: Maintenance
Department: K-1002
Location: K-502-2 Cell 9 A line job

Date: 2-14-61 Jr
Checked by: B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
		Surface	Wipe	Surface	1 ft	Distance (ft)				
equipment & openings				7	—	—				
flow area	20	900	slag							

Action Taken: The above readings indicate a very slight spread of contaminates. Installation of covers over all equipment openings greatly aided in the control of contaminates. (over)

Approved: W. H. Luckett
Operating Supervisor

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2nd Copy • Divisional Files

WCX-2191 (11-53) K-25RC Safety & Health Physics Section

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JCW

HEALTH PHYSICS AND SAFETY JOB AUDIT REPORT

Converter Inlet and Compressor

Location K-502-3, Cell 6, Discharge Changes Date 5-22 and 23-61

Supervisor in Charge _____ Job Work Area _____ ft^2

Operations in Progress Cutting and welding, pipe changes, rigging, and material handling.

Protective Measures in Force Safety glasses, ear plug, respiratory protection when system open.

SUMMARY:

	Before Job	After Job
Alpha Contamination Index (based on estimated work area)		

Contaminated Area Identified: Yes _____ No _____

Area Cleaned Up by Employees: Before Job _____ After Job _____

Decontamination Request Issued: Yes _____ No _____

Radiation

Time Taken	INTENSITY (mrep/hr) MAXIMUM READING			
	Contact		1 Foot	
	$\beta + \gamma$	γ	$\beta + \gamma$	γ
Before				
During				
After				

Film Badges: $\frac{\text{No. Wearing}}{\text{No. Involved}}$ = _____ or _____ %

Film badge covers: $\frac{\text{No. Wearing}}{\text{No. Badges}}$ = _____ or _____ %

Work time limits established: Yes _____ No _____

Air Activity

5-22-61	Specific Location (Give Distance From Equipment Where Applicable)	Sample Number	Time AM	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity C/M/ft^3	Eye Prot. Wo
Before Job	Securing pipe before cut	HPX201	8:32	2	26	1/6	0.15	·
During Job	Unit 4 - first cut	202	8:35	2	30	2/6	0.20	·
During Job	Cutting converter out	203	8:41	2	14	1/4	0.43	3/
During Job	Cutting converter out	204	8:50	1	7	3/6	1.00	3/
During Job	Cutting converter out	205	8:55	1	7	5/6	0.86	3/
During Job	Cutting converter out	206	9:00	1	7	5/6	4.00	·
During Job	System open First pipe removed	207	9:05	1	7	6/6	3.00	5/
During Job	Pipe covered at ends	208	9:10	2	11	2/2	0.59	·
During Job	Cutting discharge of comp.	209	9:15	1.5	9	2/3	0.64	·
During Job	Remove pipe	210	9:20	2	12	8/12	1.62	·
SUMMARY	No. Taken	34	For Samples > P.A.L.			No. Wearing 12	Total Act. 28/4	
	No. > P.A.L.	3				No. Present 13		
	% > P.A.L.	9				% 92	Av.	60

HEALTH PHYSICS AND SAFETY JOB AUDIT REPORT

:cation _____ Date _____

Supervisor in Charge _____ Job Work Area _____ ft^2

Operations in Progress _____

Protective Measures in Force _____

SUMMARY:

	Before Job	After Job
Alpha Contamination Index (based on estimated work area)	_____	_____

Contaminated Area Identified: Yes _____ No _____

Area Cleaned Up by Employees: Before Job _____ After Job _____

Decontamination Request Issued: Yes _____ No _____

Radiation

Time Taken	INTENSITY (mrep/hr) MAXIMUM READING			
	Contact		1 Foot	
	$\beta + \gamma$	γ	$\beta + \gamma$	γ
:efore				
During				
After				

Film Badges: $\frac{\text{No. Wearing}}{\text{No. Involved}}$ = _____ or _____ %

Film badge covers: $\frac{\text{No. Wearing}}{\text{No. Badges}}$ = _____ or _____ %

Work time limits established: Yes _____ No _____

Air Activity

	Specific Location (Give Distance From Equipment Where Applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
Before Job	Cleaning out converter opening	HPX211	9:30	1	12	10/12	1.75
During Job	Cutting inside compressor opening	212	9:35	1	9	1/1	5.33
During Job	Removing pipe	213	9:40	1	12	-	1.75
During Job	" "	214	9:45	1	8	8/8	1.87
During Job	Cleaning up dust end of converter and floor	215	9:55	2	16	3/3	1.81
During Job	Pipes blanked off Employees on break	216	10:10	2	28	0/0	1.15
During Job	" "	217	10:15	2	28	0/0	0.71
During Job	Converter head open Cutting inside	218	12:30	2	24	3/3	0.04
During Job	" "	219	12:50	1	12	3/3	0.33
During ~~After~~ Job	Cutting out converter head	220	1:00	2	24	7/8	0.17
SUMMARY	No. Taken		For Samples > P.A.L. No. Wearing _____				Total Act.
	No. > P.A.L.		No. Present _____				_____
	% > P.A.L.		% _____				Av. _____

6/:

4/8

HEALTH PHYSICS AND SAFETY JOB AUDIT REPORT

cation _____ Date _____
Supervisor in Charge _____ Job Work Area _____ ft^2
Operations in Progress _____

Protective Measures in Force _____

SUMMARY:

	Before Job	After Job
Alpha Contamination Index (based on estimated work area)	_____	_____

Contaminated Area Identified: Yes _____ No _____
Area Cleaned Up by Employees: Before Job _____ After Job _____
Decontamination Request Issued: Yes _____ No _____

Radiation

Time Taken	INTENSITY (mrep/hr) MAXIMUM READING			
	Contact		1 Foot	
	$\beta + \gamma$	γ	$\beta + \gamma$	γ
Before				
During				
After				

Film Badges: $\frac{\text{No. Wearing}}{\text{No. Involved}}$ = _____ or _____ %

Film badge covers: $\frac{\text{No. Wearing}}{\text{No. Badges}}$ = _____ or _____ %

Work time limits established: Yes _____ No _____

Air Activity

	Specific Location (Give Distance From Equipment Where Applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity C/M/ft^3	
Before Job	Buffing off comp. flange	221	1:15	2	20	3/3	0.20	
During Job	Welding in new pipe	222	1:35	2	24	3/3	0.21	2/3
During Job	5-23-61							
During Job	Before work began pipe blanked off	223	8:13	3	48	0/6	0.02	
During Job	Center of cell Welding new pipe to conv.	224	8:35	3	48	7/8	0.02	2/2
During Job	" "	225	8:40	2	30	2/2	0.03	
During Job	Center of cell Welding new pipe to old	226	8:45	2	30	1/1	0.03	
During Job	Center of cell Welding pipe to comp.	227	8:50	2	32	1/1	0.06	
During Job	Center of cell Welding head in comp.	228	9:00	2	24	7/8	0.04	
After Job	Welding pipe to pipe	229	9:05	2	24	4/12	0.08	
SUMMARY	No. Taken / No. > P.A.L. / % > P.A.L.		For Samples > P.A.L.			No. Wearing _____ No. Present _____ % _____	Total Act. _____ Av. _____	

HEALTH PHYSICS AND SAFETY JOB AUDIT REPORT

cation _____ Date _____

Supervisor in Charge _____ Job Work Area _____ ft^2

Operations in Progress _____

Protective Measures in Force _____

SUMMARY:

	Before Job	After Job
Alpha Contamination Index (based on estimated work area)		

Contaminated Area Identified: Yes _____ No _____

Area Cleaned Up by Employees: Before Job _____ After Job _____

Decontamination Request Issued: Yes _____ No _____

Radiation

Time Taken	INTENSITY (mrep/hr) MAXIMUM READING			
	Contact		1 Foot	
	$\beta + \gamma$	γ	$\beta + \gamma$	γ
Before				
During				
After				

Film Badges: $\frac{\text{No. Wearing}}{\text{No. Involved}}$ = _____ or _____ %

Film badge covers: $\frac{\text{No. Wearing}}{\text{No. Badges}}$ = _____ or _____ %

Work time limits established: Yes _____ No _____

Air Activity

CONSTANT AIR MONITOR

	Specific Location (Give Distance From Equipment Where Applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
Before Job	Center of cell 5-22-61	7:30 -	8:00	30			0.21
During Job		8:00 -	8:30	30			0.13
During Job		8:30 -	9:00	30			0.03
During Job		9:00 -	9:30	30			0.17
During Job		9:30 -	10:00	30			0.38
During Job		10:00-	10:30	30			0.37
During Job		10:30-	11:00	30			0.34
During Job		11:00-	11:30	30			0.76
During Job		11:30-	12:00	30			1.16
After Job		12:00-	12:30	30			2.08
SUMMARY	No. Taken	55	For Samples > P.A.L.			No. Wearing _____	Total Act.
	No. > P.A.L.	2				No. Present _____	_____
	% > P.A.L.	3.6%				% _____	Av. _____

9% of the spot air samples were above P.A.L. since those were taken closer to the operatio in most instances than were the long-term samples.

HEALTH PHYSICS AND SAFETY JOB AUDIT REPORT

cation _____ Date _____
Supervisor in Charge _____ Job Work Area _____ ft^2
Operations in Progress _____

Protective Measures in Force _____

SUMMARY:

	Before Job	After Job
Alpha Contamination Index (based on estimated work area)	_____	_____

Contaminated Area Identified: Yes _____ No _____
Area Cleaned Up by Employees: Before Job _____ After Job _____
Decontamination Request Issued: Yes _____ No _____

Radiation

Time Taken	INTENSITY (mrep/hr) MAXIMUM READING			
	Contact		1 Foot	
	$\beta + \gamma$	γ	$\beta + \gamma$	γ
Before				
During				
After				

Film Badges: $\frac{\text{No. Wearing}}{\text{No. Involved}}$ = _____ or _____ %

Film badge covers: $\frac{\text{No. Wearing}}{\text{No. Badges}}$ = _____ or _____ %

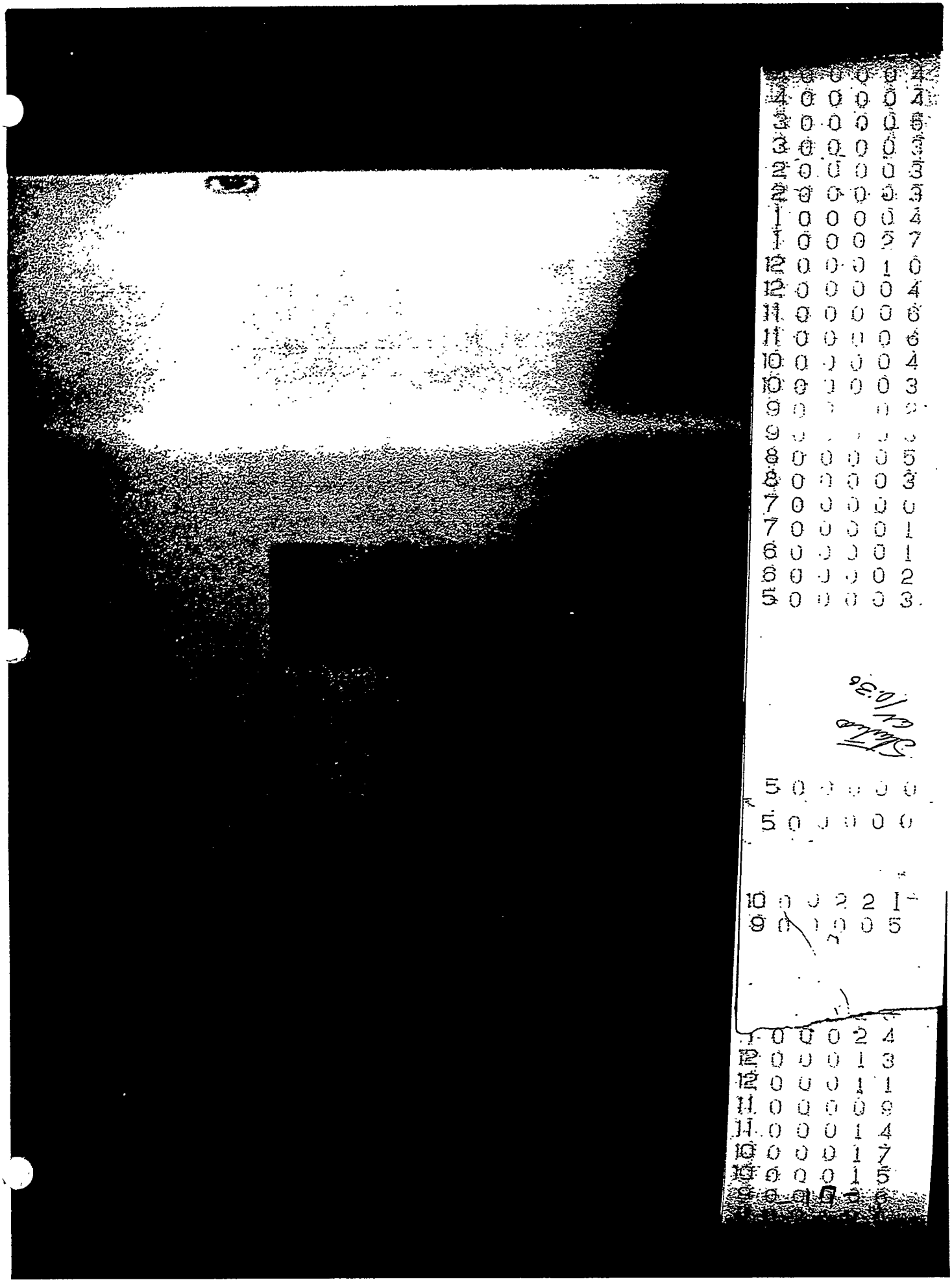
Work time limits established: Yes _____ No _____

Air Activity

	Specific Location (Give Distance From Equipment Where Applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
Before Job	South side Welding pipe to comp.	230	9:15	2	24	0.13	
During Job	" "	231	9:20	2	24	0.00	
During Job	Putting new pipe into position	232	9:30	4	48	0.06	
During Job	Welding in new line	233	9:35	2	24	1.91	
During Job	" "	234	9:45	2	24	2.63	
During Job							
During Job							
During Job							
During Job							
After Job							
SUMMARY	No. Taken No. > P.A.L. % > P.A.L.		For Samples > P.A.L.			No. Wearing _____ No. Present _____ % _____	Total Act. _____ Av. _____

The over-P.A.L. activity occurred while making initial cut, when system was first opened, and while cutting inside a converter head. Air activity after the 10:00 o'clock break was below P.A.L. as noted on other previous jobs. Respiratory usage was 92% at times of high air activity. Eye protection usage was 60%.

0 0 0 0 0	MAY 23 5 21 AM '61
0 0 0 0 0	MAY 23 5 21 AM '61
0 0 0 8 0	MAY 23 5 20 AM '61
0 0 0 0 1	MAY 21 11 43 PM '61
0 0 0 0 2	MAY 21 3 43 PM '61
0 0 0 0 1	MAY 21 7 43 AM '61
0 0 0 0 2	MAY 20 11 43 PM '61
0 0 0 0 0	MAY 20 3 43 PM '61
0 0 0 0 2	MAY 20 7 43 AM '61
0 0 0 0 3	MAY 19 11 43 PM '61
0 0 0 0 1	MAY 19 3 43 PM '61
0 0 0 0 1	MAY 19 7 52 AM '61
0 0 0 1	MAY 19 5 30 AM '61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12 0 0 0 1 0
12 0 0 0 0 4
11 0 0 0 0 6
11 0 0 0 0 6
10 0 0 0 0 4
10 0 0 0 0 3
8 0 0 0 0 5
8 0 0 0 0 3
7 0 0 0 0 0
7 0 0 0 0 1
6 0 0 0 0 1
6 0 0 0 0 2
5 0 0 0 0 3
5 0 0 0 0 0
5 0 0 0 0 0
10 0 0 2 2 1
9 0 0 0 0 5
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11 0 0 0 1 4
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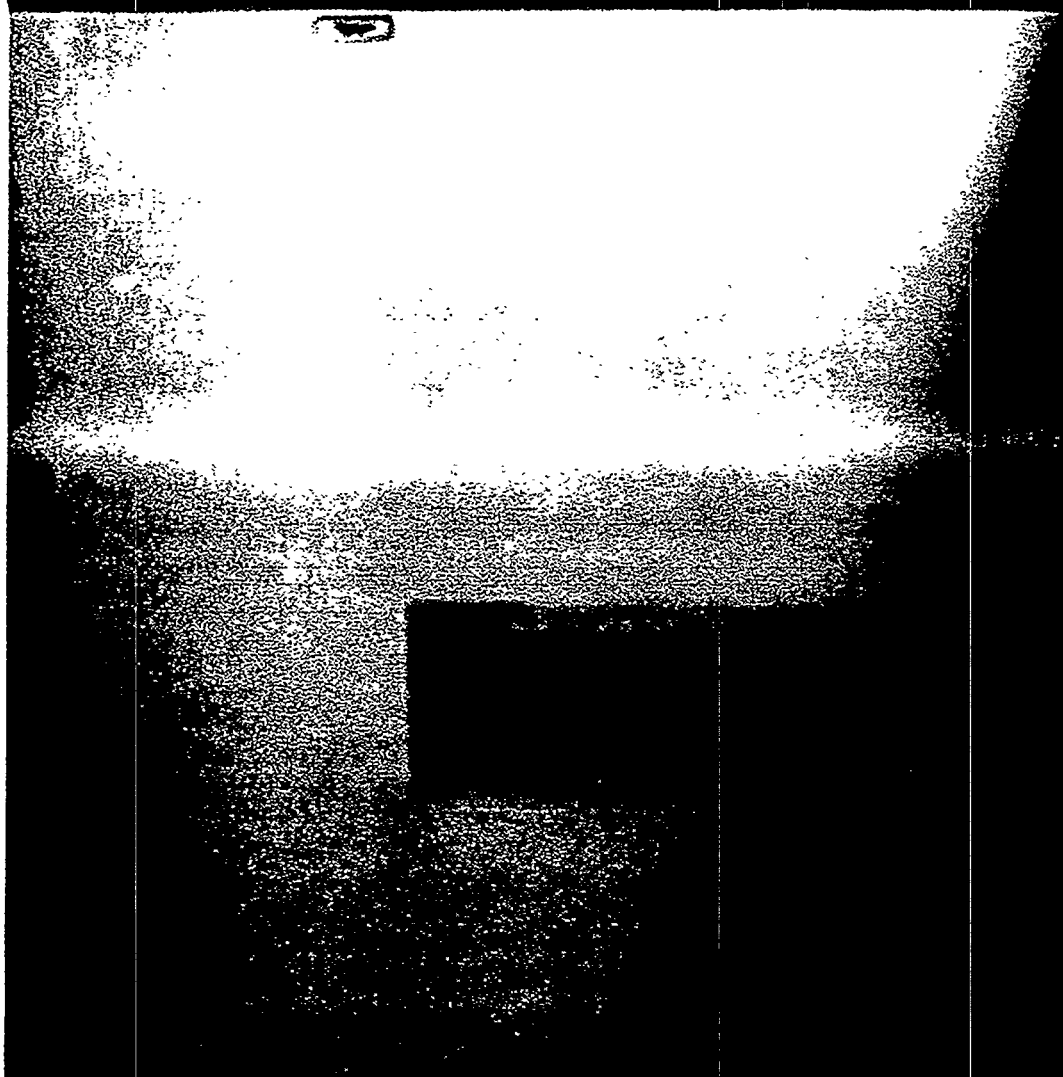
10 0 0 0 1 5



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3	0	0	0	0	7
3	0	0	0	0	7
2	0	0	0	0	7
2	0	0	0	0	8
1	0	0	0	0	8
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12	0	0	[illegible]	0	6
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10	0	0	0	0	5
9	0	0	0	0	6
9	0	0	0	0	7
8	0	0	0	1	4
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7	0	0	0	0	5
7	0	0	0	0	5
6	0	0	0	0	5
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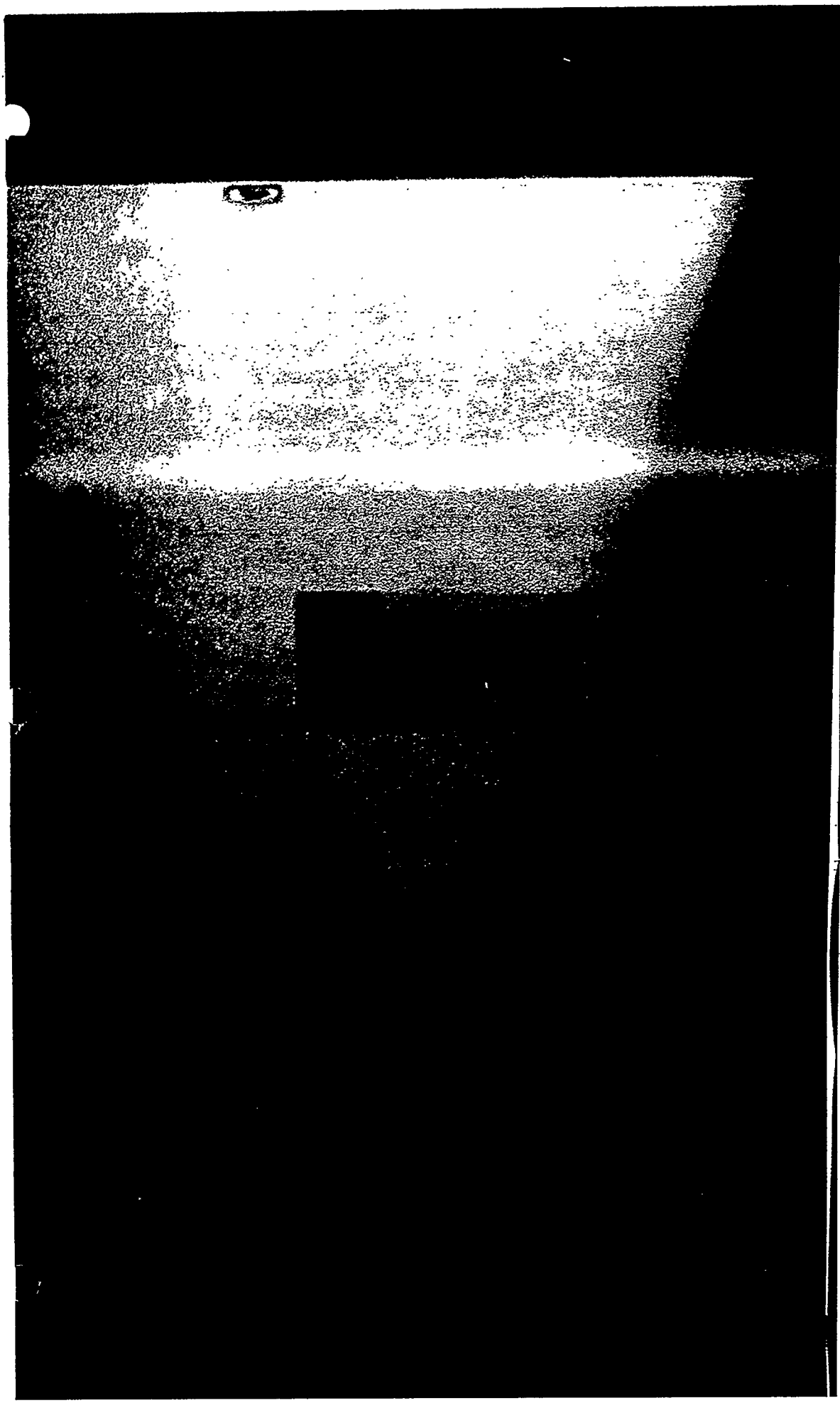

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7	0	0	0	1	1
7	0	0	0	1	3
6	0	0	0	1	0
6	0	0	0	1	1
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9	0	0	0	0	6
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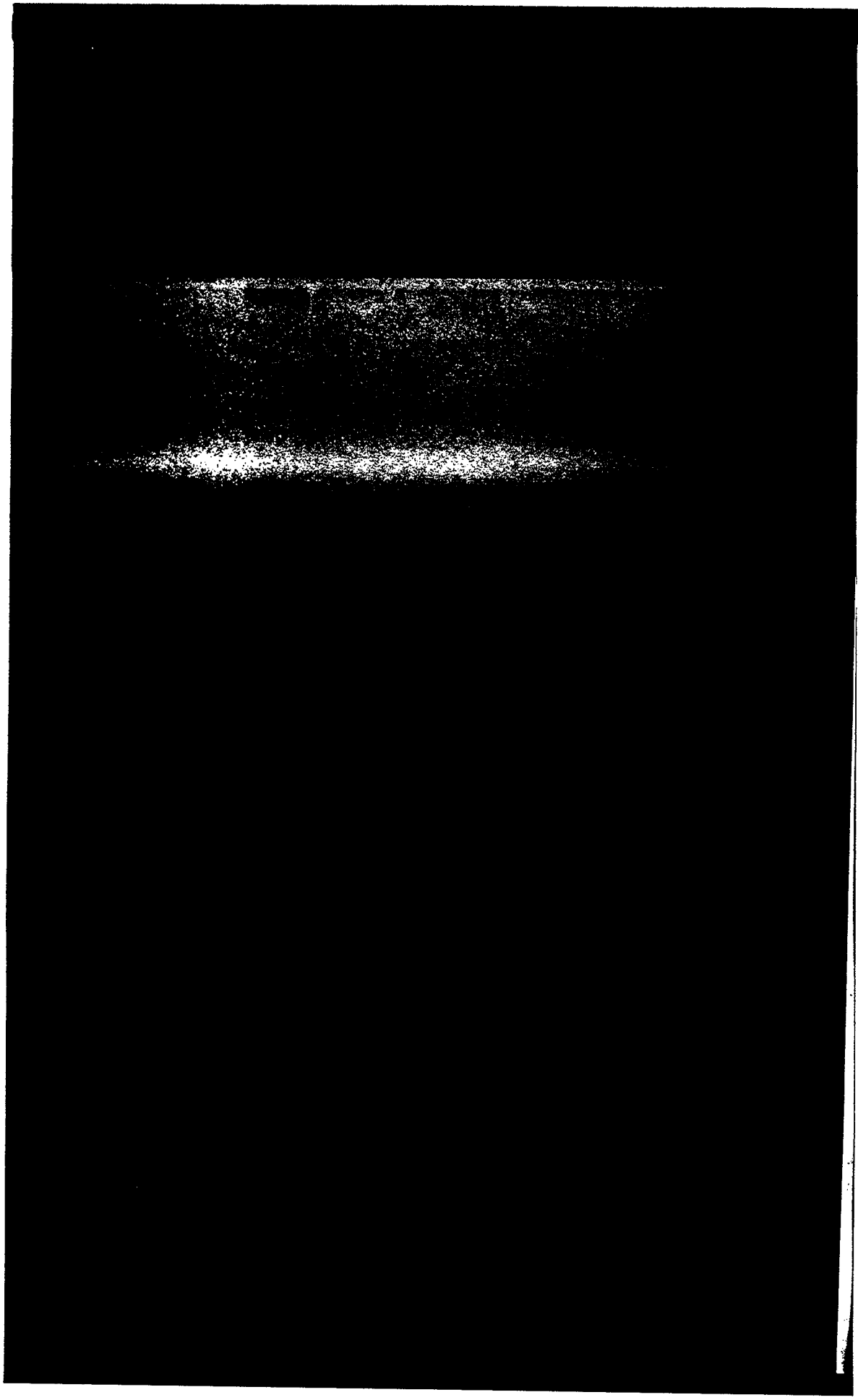

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20

237
238
237
236

HPX- 235

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12	0	0	0	0	9
11	0	0	0	0	7
11	0	0	0	1	3
10	0	0	0	0	6

Stamped
Stamped

HEALTH PHYSICS AND SAFETY JOB AUDIT REPORT

cation K-502-3 Building Date 5-8-61
Supervisor in Charge W. H. Luckett Job Work Area _____ ft²
Operations in Progress Routine Cell Change

Protective Measures in Force _____

SUMMARY:

	Before Job	After Job
Alpha Contamination Index (based on estimated work area)		

Contaminated Area Identified: Yes _____ No _____
Area Cleaned Up by Employees: Before Job _____ After Job _____
Decontamination Request Issued: Yes _____ No _____

Radiation

Time Taken	INTENSITY (mrep/hr) MAXIMUM READING			
	Contact		1 Foot	
	$\beta+\gamma$	γ	$\beta+\gamma$	γ
Before				
During				
After				

Film Badges: $\frac{\text{No. Wearing}}{\text{No. Involved}}$ = _____ or _____ %

Film badge covers: $\frac{\text{No. Wearing}}{\text{No. Badges}}$ = _____ or _____ %

Work time limits established: Yes _____ No _____

Air Activity - Constant Air Monitor Used

Specific Location (Give Distance From Equipment Where Applicable)		Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft³)	Resp. Protection No. Wearing / No. Present	Alpha Activity C/M/ft³
Before Job	Setting Up	8:00 to	8:30 AM	30	4		0.03
During Job	Cutting Out Equipment	8:30 to	9:00	"	"		0.16
During Job	Cutting Out Equipment	9:00 to	9:30	"	"		0.48
During Job	Removing Equipment	9:30 to 10:00 to	10:00 10:30	" "	" "		0.87 1.01
During Job	" " " "	10:30 to 11:00 to	11:00 11:30	" "	" "		1.07 0.92
During Job	" " " " Routine Activities	11:30 to	12:00 PM	"	"		0.34
During Job	" " " "	12:00 to 12:30 to	12:30 1:00	" "	" "		0.23 0.32
During Job	" " " "	1:00 to	1:30	"	"		0.26
During Job	" " " " " " " "	1:30 to 2:00 to	2:00 2:30	" "	" "		0.31 0.10
After Job	" " " "	2:30 to	3:00	"	"		0.13
SUMMARY	No. Taken	16	For Samples > P.A.L.		No. Wearing _____		Total Act. 6.39
	No. > P.A.L.	0			No. Present _____		
	% > P.A.L.	0			% _____		Av. 0.39
	Routine Activities	3:00 to	3:30	30	4		0.09
	" " " "	3:30 to	4:00	"	"		0.07

JW

ALPHA CONTAMINATION AUDIT REPORT

:ation K-502-3 Maintenance Truck Room (3043) Date 3-10-61

Supervisor in Charge _____ Total Work Area 300 ft^2

Operations in Progress none

Protective Measures in Force _____

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	0	0
	Area Factor (Total)	0	0
	Area Factor (Wipe)	0	0

SPECIFIC LOCATION	Area (ft^2) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
All surfaces <100						

	Range Surface	(c/m) Wipe	Weighting Factor			
Class 0	*	–	0	Total ft^2		
Class I	500-2000	100-500	1		0	
Class II	2000-10,000	500-2000	5		0	
ss III	> 10,000	> 2000	20		0	
			Grand Total (ft^2)		0	

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

RADIATION MONITORIN CONTROL REPORT

Division Maintenance
Department 1002
Location K-502-3 Cell 6

Date 5-22-61

Checked by B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
							12	8 Am		0.13
								8:30		0.03
flow area	32	1600	250					9:00		0.17
								9:30		0.38
system				10	—	—		10:00		0.37
								10:30		0.34
								11:00		0.76
								11:30		1.16
								12:00		2.08
								12:30		0.96
								1:00		2.26
								1:30		0.24
								2:00		0.25
								2:30		0.25
								3:00		0.21
								3:30		0.41
								4:00		0.37

Safety and Health Physics

Action Taken: The proper maintenance of equipment by Operations and equipment operating Cooling Tower by Maintenance was good.

(over)

DISTRIBUTION: 1st Copy - Radiation Hazards and Safety Department K-25RC
2nd Copy - Divisional Files

Approved W. H. Puckett
Operating Supervisor

WCX-2191 (11-53) K-25RC Safety & Health Physics Section

Below are some inside cell observations:

* 6/10 Mechanics were wearing respiratory equipment when necessary
Total Personnel Checked

8/8 Welders wore respiratory equipment when necessary
Total Personnel Checked

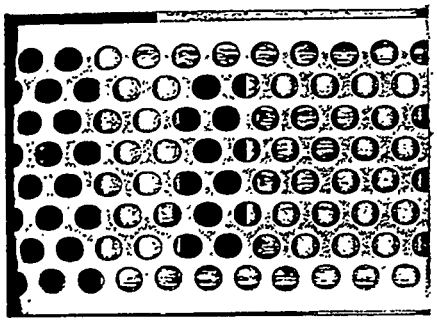
2/2 electricians wore respiratory equipment when necessary
Total Personnel Checked

14/14 Checked for Rad radiation on hands, shoes, clothes
Total Personnel Checked

* The Mechanics were in Violation.

maintenance Cell
change forms

K-502-3
MAINT. Job
File with
Field Surveys.
by Bob Burrell



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0 0 1 2 9	May 10 12 05 AM '61
0 0 2 3 2	May 9 4 05 PM '61
0 0 0 1 0	May 9 7 48 AM '61
0 0 0 0 0	May 9 12 28 AM '61
0 0 0 1 2	May 8 11 58 PM '61
0 0 0 4 1	May 8 3 58 PM '61
0 0 0 0 1	May 8 7 58 AM '61
0 0 0 0 0	May 8 3 35 AM '61
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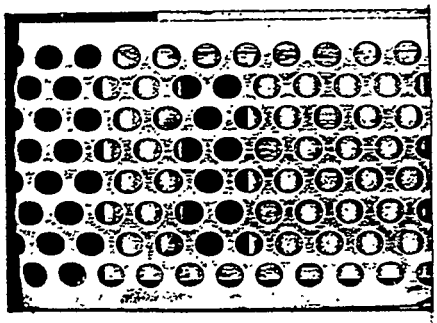
0 0 0 1 0	May 4 4 08 PM '61



Taken by
Bob Burrell

RADIATION MONITORIN .ND CONTROL REPORT

Division Maintenance
Department 1002
Location K-502-3 Cell #10

Date 4-24-61
Checked by B C Burell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
floor area	26	1100	150							
equipment openings				10	—	—				
Center of area						*	M-148	12:58	165	0.31

Action Taken: This sample was taken during cutting away equipment. Equipment was blanked off where feasible and "Decontamination Services" work helped to keep the spread of contamination to a minimum (over)

Approved W. H. Luckett
Operating Supervisor

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WCX-2191 (11-53) K-25RC Safety & Health Physics Section

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RADIATION MONITORIN ND CONTROL REPORT

Division Maintenance
Department
Location K-1400-3 Cell 1

Date 3-9-61
Checked by B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
Floor area		<500	<100	Pa						
Maintenance equipt.				L						
Buckets, buffers										
Dollies, stands		–								
Wet dolly		<500	<100							
System piping plugs	1V	900	<100							

Action Taken: None Necessary. This Check was made following maintenance of this cell.

(over)

Approved W. H. Luckett
Operating Supervisor

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WCX-2191 (11-53) K-25RC Safety & Health Physics Section

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RADIATION MONITORIN ND CONTROL REPORT

Division: Maintenance
Department: 1002
Location: K-502-3 shop and office

Date: 3-9-61 JW

Checked by: B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
Shop area										
Floor area		250	<100	PAL						
Equipment		100	<100							
				L						
Office										
Floor area		150	<100	PAL						
Equipment		100	<100							
				L						

Action Taken: None Necessary

(over)

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Approved: W. H. Luckett
Operating Supervisor

WCX-2191 (11-53) K-25RC Safety & Health Physics Section

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RADIATION MONITORIN .ND CONTROL REPORT

Division Maintenance
Department 1002
Location K-502-3 shop & office

Date 1-5-61 JW

Checked by BC Barnell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
office										
floor area		300	<100	ok						
equipment		250	<100	L						
shop										
floor area		400	<100	ok						
equipment		400	<100	L						

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Action Taken: None necessary

(over)

Approved H. M. Wyrick
Operating Supervisor

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WCX-2191 (11-53) K-25RC Safety & Health Physics Section

RADIATION MONITORING AND CONTROL REPORT

Division: Maintenance
Department: 1000
Location: K-602-1 Shop

Date: 5-25-61 JW

Checked by: B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft²	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft³)	Alpha Counts/min/ft³
floor area	32	1000	<100							
equipment		350	<100							

Safety and Health Physics

1961 JUN 12 PM 3:26

Action Taken: None Necessary.

(over)

Approved: W. H. Luckett
Operating Supervisor

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WCX-2191 (11-53) K-25RC Safety & Health Physics Section

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RADIATION MONITORIN(.ND CONTROL REPORT

Division: Maintenance
Department: 1002
Location: K-602 Fl shop

Date: 1-13-61 JW

Checked by: B C Burnett

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
floor area		250	<100							
Pump unit		300	<100	Bd						

Action Taken: None Necessary.

(over)

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WCX-2191 (11-53) K-25RC Safety & Health Physics Section

Approved: H. M. Wyrick
Operating Supervisor

JW

ALPHA CONTAMINATION AUDIT REPORT (3637)

Location K-602-4 Cascade Maint Office & L. Room Date 12-26-61

Supervisor in Charge S.H. Jones. Total Work Area 160. ft²

Operations in Progress

Protective Measures in Force —

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	0	0
	Area Factor (Total)	0	0
	Area Factor (Wipe)	0	0

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Tables & Benches					<100	
Floor Area					<100	

	Range Surface	(c/m) Wipe	Weighting Factor	
Class 0	*	–	0	Total ft²
Class I	500-2000	100-500	1	
Class II	2000-10,000	500-2000	5	
Class III	> 10,000	> 2000	20	
			Grand Total (ft²)	

B+G < P.A.L.

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

JW

ALPHA CONTAMINATION AUDIT REPORT

Location K-602-A Maint Tech Room (3037) Date 3-10-61

Supervisor in Charge _____ Total Work Area 160 ft^2

Operations in Progress Routine

Protective Measures in Force _____

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	0	0
	Area Factor (Total)	0	0
	Area Factor (Wipe)	0	0

SPECIFIC LOCATION	Area (ft^2) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
All Reading, < 100						

	Range Surface	(c/m) Wipe	Weighting Factor		
Class 0	*	–	0	Total ft^2	
Class I	500-2000	100-500	1		0
Class II	2000-10,000	500-2000	5		0
Class III	> 10,000	> 2000	20		0
			Grand Total (ft^2)		0

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

Ave

ALPHA CONTAMINATION AUDIT REPORT

:ation K-602-4 Process maint Shops (3049) Date 3-10-61

oupervisor in Charge S.H. Jones Total Work Area 1500 ft²

Operations in Progress None

Protective Measures in Force

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	0	
	Area Factor (Total)	0	
	Area Factor (Wipe)	0	

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
					–	--

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr) Hands	Shoes Personal	Shoes Issue	Clothing Personal	Clothing Issue	Gloves	Re Ret. No.
		<150		<100		<100		
		<100		<100		<100		
		<100		<100		<100		
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
Face level NW corner	HP 238	12:00	5	17	0/0	0.04
" " NE "	HP 239	12:05	5	18	0/0	0.04

SUMMARY:	Air Samples			For Samples > P.A.L.	Total	Total
		2	No. Taken			0.08
		0	No. > P.A.L.			Average
		0	% > P.A.L.		%	0.04

REMARKS:

Inspector W. P. Ellis Op. Supervisor R. W. Wells Date 3-10-61

RADIATION MONITORIN\ .ND CONTROL REPORT

Division Maintenance
Department 1002
Location K-602-4 shop, change house, lunchroom, office

Date 5-25-61

Checked by B C Burnett

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
Shop										
floor area		250	<100	Pal						
equipment		300	<100	L						
Change house										
floor area		200	<100	Pal						
equipment		300	<100	L						
Lunch room										
floor area		150	<100	Pal						
equipment		100	<100	L						
office										
floor area		<100	<100	Pal						
equipment		<100	<100	L						

Safety and Health Physics
1961 JUN 12 PM 3:26

Action Taken: None Necessary

(over)

Approved W. H. Luckett
Operating Supervisor

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SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

1:00
6 pages

Annual
FIXED PROTECTION
(Personnel - Fire)

(with follow-up visits)

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
602-4	K-31 Instrument Main. Shop	01	01	01	4	4	4/19/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto Sprinkler System	1		Fire Extinguishers	1	
Emergency Exits	1		Protective Equip. Supply	—	
Emergency Station	—		P. A. System	1	
Evacuation Alarm	—		Safety Showers	—	
Eye Baths	—		Standpipes	—	
Fire Alarm Boxes	—		Other *(Note in Remarks)*	—	
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Postec
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other *(Note in Remarks)*
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
602-4	K-31 Instrument Main. Shop	01	01	02	6	6	4/19/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	1		Radiating Surfaces	1	
Illumination	1		Traffic Control	1	
Material Containment	1		Ventilation	1	
Radiation	—		Other *(Note in Remarks)*	—	

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Arec
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other *(Note in Remarks)*
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

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SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
602-4	K-31 Instrument Main Shop	01	01	03	3	3	4/19/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED		NO. UNSATISFACTORY (PART - REASON)
Catw	—		Ladder (stationery)	—	
Exit	1		Platforms	—	
Floors	1		Scaffolds	—	
Furniture	1		Stairs	—	
Ladder (portable)	—		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
602-4	K-31 Instrument Main Shop	01	01	04	2	2	4/19/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION
Fluorine	—		Steam (Bldg Ht - Below 15 psig)	1	
Hydrofluoric Acid	—		Steam (Low Pressure - 15 - 250 psig)	—	
Natural Gas	—		Steam (High Pressure - above 250 psig)	—	
Pyrofax	—		Other (Note in Remarks)	1	AIR

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

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SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
602-4	K-31 Instrument Main. Shop	01	01	05	6	4	4/19/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)	/	
Corded Equipment	2	2(8-5)
Utilization Equipment	4	
High Voltage Equipment (Above 480 Volts)	/	
Disconnects	—	
Rotating Equipment	—	
Other (Note in Remarks)	—	

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
5. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
602-4	K-31 Instrument Main. Shop	01	01	06	6	6	4/19/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	1		Use of Safe Attire	1	
Use of Tools	1		Use of Personnel Protective Devices	1	
Use and Maintenance of Machines & Equipment	1		Work Habits	1	
Use of Ionizing Radiation Sources	—				

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel Enclosure, when Unsafe Because of Temperature Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

AUDITED BY (SIGNATURE) | REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
602-4	K-31 Instrument Main Shop	01	01	07	6	6	4/19/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE OF TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered	1	
Hand	5	
Hydraulic	—	
Pneumatic Powered	—	
Powder Actuated	—	

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
602-4	K-31 Instrument Main Shop	01	01	08	4	4	4/19/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor	—		Power Truck	—	
Chain Hoist	—		Tractor	—	
Electric Hoist	—		Plant Railway	—	
Winch or Tugger	—		Skid	—	
Sling	—		Pallet	—	
Lifting Fixture	—		Bicycle	2	
Dolley	1		Bus	—	
Handtruck	1		Passenger Car	—	
Wheelbarrow	—		Motor Truck	—	
Fork Truck	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Crossing Signals	25. Hitches	39. Other (Note in Remarks)
12. Crossing Signs	26. Hooks	
13. Deadman Control	27. Horn	
14. Deck	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
602-4	K-31 Instrument Main. Shop	01	01	09	3	3	4/19/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITIO
Ace. . ank	—		Freon Tank	—	
Air Receivers	—		HF Tank	—	
Boilers	—		UF_6 Containers	—	
Compressed Gas Cylinders	3		Water Storage Heaters	—	
Fluorine Tank	—		Other *(Note in Remarks)*	—	

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other *(Note in Remarks)*
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other *(Note in Remarks)*	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
602-4	R-31 Instrument Main. Shop	01	01	10	3	2	4/19/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Arc Cutting Unit	—		Oxygen-Arc Cutting Unit	—	
Automatic Arc Welding Unit	—		Paper Cutter	—	
Bench or Pedestal Grinder	1		Planer (metal)	—	
Blower	—		Planer (wood)	—	
Boring Mill	—		Power Press	—	
Centrifuge	—		Press Brake	—	
Compressor	—		Pulverizer	—	
Crusher	—		Pump	1	1 (13 - 10)
Diesels (stationary)	—		Saw (band - metal)	—	
Drill Press	1		Saw (band - wood)	—	
Fans	—		Saw (circular - metal)	—	
Forming Rolls	—		Saw (circular - wood)	—	
Gear Cutter	—		Saw (jig)	—	
Grinding Machine	—		Saw (power - rip)	—	
Hobber	—		Saw (radial)	—	
Jointer	—		Saw (swing)	—	
Lathe (engine)	—		Screw Machine	—	
Lathe (turret)	—		Shaper (metal)	—	
Lathe (woodworking)	—		Shaper (wood)	—	
Manual Arc Cutting Unit	—		Shears	—	
Manual Arc Welding Unit	—		Slicer	—	
Mixer	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

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AUDITED BY (SIGNATURE) Neil B. Schultz

REVIEWED WITH (SIGNATURE) C A Reeves

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-602-4	Process Maintenance Shops	01	51	01	5	5	3-10-(
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIO
Autom... Sprinkler System	1		Fire Extinguishers	2	
Emergency Exits			Protective Equip. Supply		
Emergency Station			P. A. System		
Evacuation Alarm			Safety Showers		
Eye Baths			Standpipes		
Fire Alarm Boxes	2	at control Room	Other (Note in Remarks)		
Fire Doors					

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Poste
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-602-4	Process maint Shop	01	51	02	15	12	3-10-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	4	1 (6-8) rods Rags, rags, ite on floor	Radiating Surfaces		
Illumination	3		Traffic Control	2	
Material Containment	4	2 (6-8) Cardboard Boxes rags, oily rags.	Ventilation	2	
Radiation			Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Are
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) J. P. Jones 7-5-55 J-M

01 - Fixed Protection
02 - Environmental Control

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-602-2	Process Maint Shop	01	51	03	7	7	3-10-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Catwalks			Ladder (stationery)		
Exit	2		Platforms		
Floors	2		Scaffolds		
Furniture	2		Stairs		
Ladder (portable)	1		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-602-2	Process Maint Shop	01	51	04	1	0	
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine			Steam (Bldg Ht - Below 15 psig)		
Hydrofluoric Acid			Steam (Low Pressure - 15-250 psig)		
Natural Gas			Steam (High Pressure - above 250 psig)		
Pyrofax			Air Other (Note in Remarks)	1	1 (3-5) valved outlet

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) J. P. Jones

03 - Work Surfaces

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-602-2	Process Maint Shop	01	51	05	17	8	3-10-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEMS INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Corded Equipment	1	
Utilization Equipment	8	8(11-5)
High Voltage Equipment (Above 480 Volts)		
Disconnects	8	1(13-5)
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
5. Does Not Meet Plant Specification
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-602-2	Process Maint Shop	01	51	06	8	7	3-10-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	1		Use of Safe Attire	2	
Use of Tools	1		Use of Personnel Protective Devices	3	1(26)
Use and Maintenance of Machines & Equipment			Work Habits		
Use of Ionizing Radiation Sources	1				

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel Enclosure, when Unsafe Because of Temperature Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) J. P. Jones

05 - Electrical

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-60B-2	Process Maint. Shop	01	51	07	10	10	3-10-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered		
Hand	10	
Hydraulic		
Pneumatic Powered		
Powder Actuated		

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remc
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-60B-2	Process Maintenance Shop	01	51	08	6	6	3-10-60
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor			Power Truck	1	
Chain Hoist	1		Tractor		
Electric Hoist			Plant Railway		
Winch or Tugger			Skid		
Sling			Pallet		
Lifting Fixture			Bicycle		
Dolley	3		Bus		
Handtruck	1		Passenger Car		
Wheelbarrow			Motor Truck		
Fork Truck			Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Cr[illegible] Signals	25. Hitches	39. Other (Note in Remarks)
12. C[illegible] Signs	26. Hooks	
13. De[illegible]n Control	27. Horn	
14. Deck	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) J. T. Jones

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-6022	Process Maint Shop	01	51	09	3	2	3-10-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITI
Acetone Tank			Freon Tank		
Air Receivers			HF Tank		
Boilers			UF_6 Containers		
Compressed Gas Cylinders	2		Water Storage Heaters		
Fluorine Tank			Flammable Safety Other (Note in Remarks)	1	1 (8-12)

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other *(Note in Remarks)*
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other *(Note in Remarks)*	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) J. P. Jones

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-602-2	Process Maint Shops	01	51	10	8	5	
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Arc Cutting Unit			Oxygen-Arc Cutting Unit	1	
Automatic Arc Welding Unit			Paper Cutter		
Bench or Pedestal Grinder			Planer (metal)		
Blower			Planer (wood)		
Boring Mill			Power Press		
Centrifuge			Press Brake		
Compressor			Pulverizer		
Crusher			Pump		
Diesels (stationary)			Saw (band - metal)		
Drill Press	2		Saw (band - wood)		
Fans			Saw (circular - metal)		
Forming Rolls			Saw (circular - wood)		
Gear Cutter			Saw (jig)		
Grinding Machine	2		Saw (power - rip)		
Hobber			Saw (radial)		
Jointer			Saw (swing)		
Lathe (engine)			Screw Machine		
Lathe (turret)			Shaper (metal)		
Lathe (woodworking)			Shaper (wood)		
Manual Arc Cutting Unit			Shears		
Manual Arc Welding Unit	3	3 (20-7)	Slicer		
Mixer			Other (Note in Remarks)		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) J. G. Jones

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

JW

Page 1 of ____

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-711	Maintenance Shop	01	51	01	9	8	8-23-(
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Sprinkler System			IIII Fire Extinguishers	5	1 (1-5)
Emergency Exits			II Protective Equip. Supply	2	
Emergency Station			P. A. System	1	
Evacuation Alarm			Safety Showers		
Eye Baths			Standpipes		
Fire Alarm Boxes	1		Other *(Note in Remarks)*		
Fire Doors					

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Poste
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other *(Note in Remarks)*
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-711	Maintenance Shop	01	51	02	24	23	8-23-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	6	1 (6-8)	Radiating Surfaces		
Illumination	3		Traffic Control		
IIIII II Material Containment	12		Ventilation	3	Exhaust Duct?
Radiation			Other *(Note in Remarks)*		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Are
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other *(Note in Remarks)*
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

148-126-33

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SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-711	Maintenance Shop	01	51	03	13	13	8-23-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON
Catwalks			Ladder (stationery)		
Exit	2		Platforms		
Floors	3		Scaffolds		
Furniture	6		Stairs		
Ladder (portable)	1		Hood 1 Other (Note in Remarks)	1	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-711	Maintenance Shop	01	51	04	4	4	8-23-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION
Fluorine			Steam (Bldg Ht - Below 15 psig)	2	
Hydrofluoric Acid			Steam (Low Pressure - 15-250 psig)		
~~Natural Gas~~ Gas 11	2		Steam (High Pressure - above 250 psig)		
Pyrofax			Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

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SAFETY AUDIT REPORT

JCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-711	Maintenance Shop	01	51	05	25	10	8-23-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEMS INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Corded Equipment	12	6 (8-6)
Utilization Equipment	9	7 (11-5)
High Voltage Equipment (Above 480 Volts)		
Disconnects	4	2 (13-5)
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes	9. Insulation
2. Conduit	10. Plugs
3. Connectors	11. Receptacles
4. Breaker	12. Safety Switch
5. Grounds	13. Switch
6. Ground Mats	14. Warning Signs
7. Identification	15. Other (Note in Remarks)
8. Inspection Date and Tag	

UNSATISFACTORY CONDITION

1. Broken	6. Does Not Meet Plant Specifications
2. Cracked	7. Not Provided
3. Damaged	8. Ungrounded
4. Deteriorated	9. Unguarded
5. Identification	

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-711	Maintenance Shop	01	51	06	3	3	8-23-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling			Use of Safe Attire	1	
Use of Tools			Use of Personnel Protective Devices	1	
Use and Maintenance of Machines & Equipment			Work Habits	1	
Use of Ionizing Radiation Sources					

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees	11. Machine Left Running Unattended	21. Work Permit Issued to Allow Entrance to Vessel Enclosure, when Unsafe Because of Temperature Gases or Electric Hazards
2. Failed to Use Crane Hand Signals	12. Operating With Safety Device Removed	22. Entrance Made (Under Unsafe Act No. 21)
3. Failed to Use Warning Device	13. Incorrect Safety Device Used	23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
4. Regularly Used Limit Switch to Stop Motion	14. Operating With Safety Device Improperly Adjusted	24. Film Badge Not Worn
5. Materials Stored, Mixed, or Combined to Create a Hazard	15. Respiratory Protection Not Worn	25. Eye Protection Not Worn
6. Flammables Handled in Unapproved Safety Can	16. Improper Respiratory Protection Worn	26. Improper Eye Protection
7. Incorrect Tool Used	17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling	27. Hard Hats Not Worn
8. Unsafe Tool Used	18. Working on Equipment Not Secured Against Unexpected Operation	28. Gloves Not Worn
9. Tool Used Improperly	19. Passenger Permitted to Ride in Unsafe Manner	29. Smoking in Posted Areas
10. Machine Operated at Unsafe Speed	20. Operable Radiation Survey Meter Not at Job Site	30. Eating in Posted Areas

REMARKS:

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SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-711	Maint Shop	01	51	07	16	16	8-23
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered		
Hand	16	
Hydraulic		
Pneumatic Powered		
Powder Actuated		

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remc
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-711	Maintenance Shop	01	51	08	20	19	8-23
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIO
Conveyor			Power Truck		
Chain Hoist	1		Tractor		
Electric Hoist			Plant Railway		
Winch or Tugger			Skid		
Sling	10	1 (5-5)	Pallet		
Lifting Fixture			Bicycle		
Dolley	1		Bus		
Handtruck	7		Passenger Car		
Wheelbarrow	1		Motor Truck		
Fork Truck			Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Cr · Signals	25. Hitches	39. Other (Note in Remarks)
12. Cr , Signs	26. Hooks	
13. Dec ..an Control	27. Horn	
14. Deck	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

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SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-711	Maintenance Shop	01	51	09	20	20	8-23-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITI
Acetone Tank			Freon Tank		
Air Receivers			HF Tank		
Boilers			UF_6 Containers		
Compressed Gas Cylinders	20		Water Storage Heaters		
Fluorine Tank			Other (Note in Remarks)		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other (Note in Remarks)
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other (Note in Remarks)	7. Incorrect	14. Not Shielded	

REMARKS:

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SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-711	Maintenance Shop	01	51	10	17	13	8-23.
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Arc Cutting Unit			Oxygen-Arc Cutting Unit	3	1(19-2)
Automatic Arc Welding Unit			Paper Cutter		
Bench or Pedestal Grinder	4		Planer (metal)		
Blower			Planer (wood)		
Boring Mill			Power Press		
Centrifuge			Press Brake		
Compressor			Pulverizer		
Crusher			Pump		
Diesels (stationary)			Saw (band - metal)	1	
Drill Press	2		Saw (band - wood)		
Fans	2		Saw (circular - metal)		
Forming Rolls			Saw (circular - wood)		
Gear Cutter			Saw (jig)		
Grinding Machine			Saw (power - rip)		
Hobber			Saw (radial)		
Jointer			Saw (swing)		
Lathe (engine)			Screw Machine		
Lathe (turret)			Shaper (metal)		
Lathe (woodworking)			Shaper (wood)		
Manual Arc Cutting Unit			Shears		
Manual Arc Welding Unit	3	3(20-7)	Slicer		
Mixer			Other (Note in Remarks)	2	

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) C. T. Bolen

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

Page 1 of

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-711	Electrical Shop	01	11	01	19	15	8-23-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Sprinkler System			Fire Extinguishers	3	1 (1-5)
Emergency Exits			Protective Equip. Supply	12	1 (11-13)
Emergency Station			P. A. System	1	
Evacuation Alarm	1		Safety Showers		
Eye Baths			Standpipes		
Fire Alarm Boxes	0		Other (Note in Remarks)		
Fire Doors					

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-711	Electrical Shop	01	11	02	42	41	8-23-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	6	1 (6-8)	Radiating Surfaces		
Illumination	6		Traffic Control	1	
Material Containment	25		Ventilation	4	
Radiation			Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Area
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

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SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-711	Electrical Shop	01	11	03	38	38	8-23-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED		NO. UNSATISFACTORY (PART - REASON)
Catwalks			Ladder (stationery)		
Exit	6		Platforms	1	
Floors	6		Scaffolds		
Furniture	22		Stairs	1	
Ladder (portable)	2		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-711	Electrical Shop	01	11	04	11	9	8-23-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION
Fluorine			Steam (Bldg Ht - Below 15 psig)	1	
Hydrofluoric Acid			Steam (Low Pressure - 15 - 250 psig)		
Safety Can ~~Natural Gas~~	2		Steam (High Pressure - above 250 psig)		
Pyrofax	4		Air Other (Note in Remarks)	4	2 (4-13)

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

-60-

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SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-711	Electrical Shop	01	11	05	45	31	8-23-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Corded Equipment	18	7 (8-6)
Utilization Equipment	14	4 (11-5)
High Voltage Equipment (Above 480 Volts)		
Disconnects	13	3 (13-5)
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes	9. Insulation
2. Conduit	10. Plugs
3. Connectors	11. Receptacles
4. Breaker	12. Safety Switch
5. Grounds	13. Switch
6. Ground Mats	14. Warning Signs
7. Identification	15. Other (Note in Remarks)
8. Inspection Date and Tag	

UNSATISFACTORY CONDITION

1. Broken	6. Does Not Meet Plant Specifications
2. Cracked	7. Not Provided
3. Damaged	8. Ungrounded
4. Deteriorated	9. Unguarded
5. Identification	

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-711	Electrical Shop	01	11	06	3	3	8-23-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling			Use of Safe Attire	1	
Use of Tools			Use of Personnel Protective Devices	1	
Use and Maintenance of Machines & Equipment			Work Habits	1	
Use of Ionizing Radiation Sources					

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees	11. Machine Left Running Unattended	21. Work Permit Issued to Allow Entrance to Vessel Enclosure, when Unsafe Because of Temperatu Gases or Electric Hazards
2. Failed to Use Crane Hand Signals	12. Operating With Safety Device Removed	22. Entrance Made (Under Unsafe Act No. 21)
3. Failed to Use Warning Device	13. Incorrect Safety Device Used	23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
4. Regularly Used Limit Switch to Stop Motion	14. Operating With Safety Device Improperly Adjusted	24. Film Badge Not Worn
5. Materials Stored, Mixed, or Combined to Create a Hazard	15. Respiratory Protection Not Worn	25. Eye Protection Not Worn
6. Flammables Handled in Unapproved Safety Can	16. Improper Respiratory Protection Worn	26. Improper Eye Protection
7. Incorrect Tool Used	17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling	27. Hard Hats Not Worn
8. Unsafe Tool Used	18. Working on Equipment Not Secured Against Unexpected Operation	28. Gloves Not Worn
9. Tool Used Improperly	19. Passenger Permitted to Ride in Unsafe Manner	29. Smoking in Posted Areas
10. Machine Operated at Unsafe Speed	20. Operable Radiation Survey Meter Not at Job Site	30. Eating in Posted Areas

REMARKS:

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SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-711	Electrical Shop	01	11	07	22	18	8-2.
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered		
Hand	22	3 (7-9)
Hydraulic		
Pneumatic Powered		
Powder Actuated		

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remc
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-711	Electrical Shop	01	11	08	18	18	8-23-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIO
Conveyor			Power Truck		
Chain Hoist	2		Tractor		
Electric Hoist	1		Plant Railway		
Winch or Tugger			Skid		
Sling	10		Pallet		
Lifting Fixture	1		Bicycle		
Dolley	1		Bus		
Handtruck	3		Passenger Car		
Wheelbarrow			Motor Truck		
Fork Truck			Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Cr ı Signals	25. Hitches	39. Other (Note in Remarks)
12. C. , Signs	26. Hooks	
13. Dec an Control	27. Horn	
14. Deck	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

-102-

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE)

07 - Power Tools

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-711	Electrical Shop	01	11	10	13	13	8-23
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIC
Automatic Arc Cutting Unit			Oxygen-Arc Cutting Unit		
Automatic Arc Welding Unit			Paper Cutter		
11 Bench or Pedestal Grinder	4		Planer (metal)		
Blower			Planer (wood)		
Boring Mill			Power Press		
Centrifuge			Press Brake		
Compressor			Pulverizer		
Crusher			Pump		
Diesels (stationary)			11 Saw (band - metal)	2	
1 Drill Press	1		Saw (band - wood)		
111 Fans	4		Saw (circular - metal)		
Forming Rolls			Saw (circular - wood)		
Gear Cutter			Saw (jig)		
Grinding Machine			Saw (power - rip)		
Hobber			Saw (radial)		
Jointer			Saw (swing)		
Lath[illegible]gine)			Screw Machine		
Lath[illegible]rret)			Shaper (metal)		
Lathe (woodworking)			Shaper (wood)		
Manual Arc Cutting Unit			1 Shears	1	
Manual Arc Welding Unit			Slicer		
Mixer			Pipe Threader 1 Other (Note in Remarks)	1	

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other *(Note in Remarks)*
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other *(Note in Remarks)*	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

-63-

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

Page 1 of ____

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-711	Operations Maintenance Shop	01	51	01	7	2	3-27-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Sprinkler System			Fire Extinguishers	5	5(3-13) 1(1-5)
Emergency Exits			Protective Equip. Supply		
Emergency Station			P. A. System		
Evacuation Alarm			Safety Showers		
Eye Baths			Standpipes		
Fire Alarm Boxes	2		Other (Note in Remarks)		
Fire Doors					

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Poste
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO SATISFACTORY	DATE
K-711	Maintenance Shop	01	51	02	16	[illegible]	[illegible]
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	6	1(6-8) metal, conc etc	Radiating Surfaces		
Illumination	3		Traffic Control		
Material Containment	6		Ventilation	1	
Radiation			Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Are
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

-64- F. J. [illegible]

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) 64-32 2-2

01 - Fixed Protection
02 - Environmental Control

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-711	Maintenance Shop	01	51	03	8	8	3-27-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED		NO. UNSATISFACTORY (PART - REASON
Catwalks			Ladder (stationery)		
Exit	2		Platforms		
Floors	3		Scaffolds		
Furniture	2		Stairs		
Ladder (portable)	1		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-711	Maintenance Shop	01	51	04	2	2	3-27-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION
Fluorine			Steam (Bldg Ht - Below 15 psig)		
Hydrofluoric Acid			Steam (Low Pressure - 15-250 psig)	1	
Natural Gas			Steam (High Pressure - above 250 psig)		
Pyrofax			air Other (Note in Remarks)	1	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE) W. A. Ellis

REVIEWED WITH (SIGNATURE)

03 - Work Surfaces

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K711	Maintenance Shop	01	51	05	31	5	3-27-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Corded Equipment	11	10(8-5)
Utilization Equipment	15	9(11-5) 3(13-7)
High Voltage Equipment (Above 480 Volts)		
Disconnects	5	3(7-7)
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles.
12. Safety Switch
13. Switch.
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
5. Does Not Meet Plant Specification:
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-711	Maintenance Shop	01	51	06	2	2	
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling			Use of Safe Attire		
Use of Tools	1		Use of Personnel Protective Devices	1	
Use and Maintenance of Machines & Equipment			Work Habits		
Use of Ionizing Radiation Sources					

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel Enclosure, when Unsafe Because of Temperatu Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

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SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-711	Maintenance Shop	01	51	07	9	8	3-27-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE OF TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered	1	
Hand	7	
Hydraulic		
Pneumatic Powered	1	1(8-18)
Powder Actuated		

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remc
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-711	Maintenance Shop	01	51	08	10	10	3-27-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIO
Conveyor			Power Truck		
Chain Hoist	1		Tractor		
Electric Hoist			Plant Railway		
Winch or Tugger			Skid		
Sling	3		Pallet		
Lifting Fixture			Bicycle		
Dolley	3		Bus		
Handtruck	3		Passenger Car		
Wheelbarrow			Motor Truck		
Fork Truck			Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. C g Signals	25. Hitches	39. Other (Note in Remarks)
12. C g Signs	26. Hooks	
13. Dea Man Control	27. Horn	
4. Deck	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE) W P Ellis

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-711	Maintenance Shop	01	51	09	22	22	3-27
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITI
Acetone Tank			Freon Tank		
Air Receivers			HF Tank		
Boilers			UF_6 Containers		
Compressed Gas Cylinders	22		Water Storage Heaters		
Fluorine Tank			Other *(Note in Remarks)*		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other *(Note in Remarks)*
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other *(Note in Remarks)*	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-211	Maintenance Shop	01	51	10	18	14	3-22-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Automatic Arc Cutting Unit			Oxygen-Arc Cutting Unit	4	
Automatic Arc Welding Unit			Paper Cutter		
Bench or Pedestal Grinder			Planer (metal)		
Blower	1		Planer (wood)		
Boring Mill			Power Press		
Centrifuge			Press Brake		
Compressor			Pulverizer		
Crusher			Pump		
Diesels (stationary)			Saw (band - metal)	1	
Drill Press	1		Saw (band - wood)		
Fans	2		Saw (circular - metal)		
Forming Rolls			Saw (circular - wood)		
Gear Cutter			Saw (jig)		
Grinding Machine	4		Saw (power - rip)		
Hobber			Saw (radial)		
Jointer			Saw (swing)		
Lathe (engine)			Screw Machine		
Lathe (turret)			Shaper (metal)		
Lathe (woodworking)			Shaper (wood)		
Manual Arc Cutting Unit			Shears		
Manual Arc Welding Unit	4	4(20-7)	Slicer		
Mixer			Pipe threader Other (Note in Remarks)	1	

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other *(Note in Remarks)*
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other *(Note in Remarks)*	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT 2 hrs.
UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

JW

Page 1 of ____

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
00711	Electrical Maint Shop	01	11	01	3	3	3-27-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto. Sprinkler System	—		Fire Extinguishers	///	
Emergency Exits	—		Protective Equip. Supply	—	
Emergency Station	—		P. A. System	—	
Evacuation Alarm	—		Safety Showers	—	
Eye Baths	—		Standpipes	—	
Fire Alarm Boxes	—		Other (Note in Remarks)	—	
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Poste
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILD.	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
00711	Electrical Maint Shop	01	11	02	8	6	3-27-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	11	1(6-2)	Radiating Surfaces	—	
Illumination	1		Traffic Control	1	
Material Containment	///	1(6-8)	Ventilation	1	
Radiation	—		Other (Note in Remarks)	—	

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Are
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

-70-

A[illegible]D BY (SIGNATURE) H E Marshall
[illegible]ection
[illegible]l Control

REVIEWED WITH (SIGNATURE) [illegible]

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SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
00711	Electrical Maint. Shop	01	11	03	8	8	3-27-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART-REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART-REASON)
Catw...	—		Ladder (stationery)	—	
Exit	1		Platforms	—	
Floors	1		Scaffolds	—	
Furniture	111		Stairs	—	
Ladder (portable)	111		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
00711	Electrical Maint Shop	01	11	04	2	2	3-27-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART-CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Fluorine	—		Steam (Bldg Ht - Below 15 psig)	11	
Hydrofluoric Acid	—		Steam (Low Pressure - 15-250 psig)	—	
Natural Gas	—		Steam (High Pressure - above 250 psig)	—	
Pyrofax	—		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
0711	Electrical Maint. Shop	01	11	05	9	7	3-27-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEMS INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low [illegible]e Equipment (Below 480 Volts)	—	
Corded Equipment	HH 1	2(8-6)
Utilization Equipment	111	
High Voltage Equipment (Above 480 Volts)	—	
Disconnects	—	
Rotating Equipment	—	
Other (Note in Remarks)	—	

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
6. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
				06			
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling			Use of Safe Attire		
Use of Tools			Use of Personnel Protective Devices		
Use and Maintenance of Machines & Equipment			Work Habits		
Use of Ionizing Radiation Sources					

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

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SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
00711	Electrical Maint Shop	01	11	07	2	1	3-27
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE OF TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND-CONDITION)
Electric Powered	—	
Hand	11	1(7-9)
Hydraulic	—	
Pneumatic Powered	—	
Powder Actuated	—	

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remc
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
00711	Electrical Maint Shop	01	11	08	4	4	3-27-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITIO
Conveyor	—		Power Truck	—	
Chain Hoist	1		Tractor	—	
Electric Hoist	1		Plant Railway	—	
Winch or Tugger	—		Skid	—	
Sling	11		Pallet	—	
Lifting Fixture	—		Bicycle	—	
Dolley	—		Bus	—	
Handtruck	—		Passenger Car	—	
Wheelbarrow	—		Motor Truck	—	
Fork Truck	—		Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Crossing Signals	25. Hitches	39. Other (Note in Remarks)
12. Cr[illegible] Signs	26. Hooks	
13. D[illegible]n Control	27. Horn	
14. Dec[illegible]	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

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REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
9071	Electrical Maint Shop	01	11	09	4	4	3-27-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITI
Acet ank	—		Freon Tank	—	
Air Receivers	—		HF Tank	—	
Boilers	—		UF_6 Containers	—	
Compressed Gas Cylinders	////		Water Storage Heaters	—	
Fluorine Tank	—		Other *(Note in Remarks)*		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other *(Note in Remarks)*
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other *(Note in Remarks)*	7. Incorrect	14. Not Shielded	

REMARKS:

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REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
00711	Electrical Maint Shop	01	11	10	6	4	3-27.
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto[illegible] Arc Cutting Unit	—		Oxygen-Arc Cutting Unit	—	
Automatic Arc Welding Unit	—		Paper Cutter	—	
Bench or Pedestal Grinder	1		Planer (metal)	—	
Blower	—		Planer (wood)	—	
Boring Mill	—		Power Press	—	
Centrifuge	—		Press Brake	—	
Compressor	—		Pulverizer	—	
Crusher	—		Pump	—	
Diesels (stationary)	—		Saw (band - metal)	1	1 (20-7)
Drill Press	1		Saw (band - wood)	1	
Fans	1		Saw (circular - metal)	—	
Forming Rolls	—		Saw (circular - wood)	—	
Gear Cutter	—		Saw (jig)	—	
Grinding Machine	—		Saw (power - rip)	—	
Hobber	—		Saw (radial)	—	
Jointer	—		Saw (swing)	—	
Lathe (engine)	—		Screw Machine	—	
Lat[illegible] [illegible]et)	—		Shaper (metal)	—	
Lathe (woodworking)	—		Shaper (wood)	—	
Manual Arc Cutting Unit	—		Shears	—	
Manual Arc Welding Unit	—		Slicer	—	
Mixer	—		Other (Note in Remarks) *	1	1 (20-10)

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

* Thread cutting Machine

AUDITED BY (SIGNATURE) H E Marshall

REVIEWED WITH (SIGNATURE) [illegible]

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

PAGE 1 OF 6

BUILDING (1 B M)	LOCATION (1-45)	DIVISION CODE (49-50)	LOCATION CC (51-52)
K-761	Electrical Maintenance Shop	01	11

AUDIT BY (SIGNATURE): J. Worthington

REVIEWED WITH (SIGNATURE): J. Grance

FIXED PROTECTION (Personal - Fire)

IBM	CLASS CODE (53-54)	NO. INSPECTED (55-58)	NO. SATISFACTORY (59-62)	DATE (63-7)
	01	2	2	12-9

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIO
Automatic Sprinkler System			Fire Extinguishers	1	
Emergency Exits	1		Protective Equip. Supply		
Emergency Station			P. A. System		
Evacuation Alarm			Safety Showers		
Eye Baths			Standpipes		
Fire Alarm Boxes			Other (Note in Remarks)		
Fire Doors					

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Damaged	10. Missing
2. Contents	11. Respiratory Equipment	2. Deteriorated	11. Not Labelled
3. Door	12. Rack	3. Dirty	12. Not Lighted
4. Fusible Link	13. Rollers	4. Improperly Stored	13. Not Posted
5. Hardware	14. Sprinkler Head	5. Inaccessible or Blocked	14. Out of Test Date
6. Hose	15. Stop Valve	6. Inadequate	15. Unsealed
7. Identification Light	16. Track	7. Inoperative	16. Other (Note in Remarks
8. Nozzle	17. Unit	8. Leaking	
9. Operating Instructions	18. Other	9. Location Not Indicated	

REMARKS:

ENVIRONMENTAL CONTROL

IBM	CLASS CODE (53-54)	NO. INSPECTED (55-58)	NO. SATISFACTORY (59-62)
	02	6	5

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION
Cleanliness, Orderliness	1	1 (6-3)	Radiation (Thermal)		
Disposal of Scrap; Waste	1		Radiation (Arc, Ionizing)		
Protection of Hazardous or Flammable Refuse	1		Traffic Control		
Storage — Material and Equipment	1		Illumination	1	
Storage — Compressed Gas Cylinders			Ventilation	1	
Vegetation Control			Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Creates Fire Hazard	10. Inadequate or Improper Ventilation Equipment	19. Not Properly Secured
2. Lunch Room	2. Dirty	11. Inadequate Warning Signs	20. Pedestrian Lanes Not Indicated
3. Office	3. Excessive Accumulation	12. Incorrect Lighting Fixtures	21. Poor Arrangement
4. Storage Area	4. Excessive Glare	13. Inoperative Equipment	22. Poorly Stacked
5. Washroom	5. Fire Lanes Blocked	14. Insufficient Illumination	23. Unsafe Method Used
6. Work Area	6. Inadequate Barricades	15. Materials Not Stored in Designated Areas	24. Wrong Type Container
	7. Inadequate Insulation	16. Material Protruding into Aisles	25. Special Hazards Not Marked
	8. Inadequate Shelding	17. Metal Cap Missing	26. Ventilation Equipment Not Being Used
	9. Inadequate Traffic Markers	18. No Containers	27. Other (Note in Remarks)

REMARKS:

40-36—1-0

01 - Fixed Protection 02 - Environmental Control

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

WORK SURFACES	IBM	CLASS CODE 03 (53 - 54)	NO. INSPECTED 10 (55 - 58)	NO. SATISFACTORY 10 (59 - 62)

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON
Cat...			Ladder (stationery)		
Exit	1		Platforms		
Floors	1		Scaffolds		
Furniture	8		Stairs		
Ladder (portable)			Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

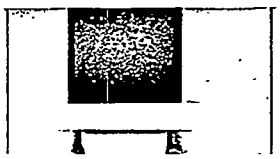
PIPING AND CONTAINERS	IBM	CLASS CODE 04 (53 - 54)	NO. INSPECTED 3 (55 - 58)	NO. SATISFACTORY 2 (59 - 62)

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITIO
Combustible Gas			Steam (Bld Ht.- Below 250 psig)		
Flammable Liquid	2		Steam (High Pressure - above - 250 psig)		
Toxic or Corrosive Liquid			Air	1	1 (6-12)
Toxic or Corrosive Gas			Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Cleaning Tank	9. Insulation	1. Broken	9. Kinked
2. Controls	10. Pipe	2. Corroded	10. Leaking
3. Couplings	11. Regulators	3. Damaged	11. Missing
4. Metal Containers	12. Safety Devices	4. Deteriorated	12. Not Pinned
5. Glass Containers	13. Tubing	5. Inadequate	13. Not Properly Identified
6. Hose	14. Valves	6. Inadequate Pressure Rating	14. Not Sealed
7. Grounding	15. Vents	7. Incorrect	15. Not Shielded
8. Guards or Supports	16. Housing	8. Inoperative	16. Plugged
	17. Other (Note in Remarks)		17. Other (Note in Remarks)

REM.

03 - Work Surfaces 04 - Piping and Containers



SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

ELECTRICAL	IBM	CLASS CODE 05 (53 - 54)	NO. INSPECTED 2 (55 - 58)	NO. SATISFACTOR 1 (59 - 62)

INSPECTED	NO.	NO. UNSATISFACTORY (ITEM - CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Corded Equipment	2	1(9-5)
Utilization Equipment		
Other (Note in Remarks)		
High Voltage Equipment (Above 480 Volts)		
Disconnects		
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Box Covers
3. Conduit
4. Connectors
5. Breaker
6. Grounds
7. Ground Mats
8. Identification
9. Inspection Date and Tag
10. Insulation
11. Plugs
12. Receptacles
13. Safety Switch
14. Switch
15. Warning Signs
16. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Does Not Meet Plant Specifications
6. Exposed Terminals
7. Missing
8. Not Provided
9. Ungrounded
10. Unguarded
11. Other (Note in Remarks)

REMARKS:

WORK PRACTICES	IBM	CLASS CODE 06 (53 - 54)	NO. INSPECTED 1 (55 - 58)	NO. SATISFACTOR 0 (59 - 62)

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling			Use of Safe Attire		
Use of Tools			Use of Personnel Portective Devices	1	1(9)-(26)
Use and Maintenance of Machines & Equipment			Work Habits		
Use of Ionizing Radiation Sources					

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Use
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

05 - Electrical 06 - Work Practices

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS	IBM	CLASS CODE 07 (53 - 54)	NO. INSPECTED 11 (55 - 58)	NO. SATISFACTOR 10 (59 - 62)

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered	3	1 (25-14)
Hand	8	
Hydraulic		
Pneumatic Powered		
Powder Actuated		
Laboratory Glassware		

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Rema
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES	IBM	CLASS CODE 08 (53 - 54)	NO. INSPECTED 1 (55 - 58)	NO. SATISFACTOR 1 (59 - 62)

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITI
Conveyor			Power Truck		
Chain Hoist	1		Tractor		
Electric Hoist			Plant Railway		
Winch or Tugger			Skid		
Sling			Pallet		
Lifting Fixture			Bicycle		
Dolley			Bus		
Hand Truck			Passenger Car		
Wheelbarrow			Motor Truck		
Fork Truck			Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	9. Couplings	17. Fittings	25. Hitches	33. Runers
2. Bell	10. Crank	18. Forks	26. Hooks	34. Switches
3. Brakes	11. Crossing Signals	19. Frame	27. Horn	35. Ties
4. Bumping Post	12. Crossing Signs	20. Glass	28. Interlocks	36. Track
5. Cable	13. Dead Man Controls	21. Grounding Connection	29. Lights	37. Wheels
6. Chain	14. Deck	22. Guards	30. Limitswitches	38. Whistle
7. Clearance Markers	15. Dog	23. Handles	31. Road Bed	39. Other (Note in Remarks)
8. Controls	16. Exhaust	24. Handrails	32. Rope	

UNSATISFACTORY CONDITION

1. Broken	5. Damaged	9. Improperly Located	13. Maintenance	17. Other (Note in Remarks)
2. Construction	6. Deteriorated	10. Inadequate	14. Missing	
3. Corroded	7. Illegible	11. Inoperative	15. Overloaded	
4. Cracked	8. Improperly Adjusted	12. Kinked	16. Protruding Fastenings	

RE :

07 - Hand and Portable Power Tools- 08 - Materials Handling Equiment - Vehicles

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS—COMPRESSED GAS CYLINDERS	IBM	CLASS CODE 09	NO. INSPECTED 2	NO. SATISFACTORY 2
		53 - 54	55 - 58	59 - 62

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIC
Acet[illegible] ank			Freon Tank		
Air Receivers			HF Tank		
Boilers			UF6 Containers		
Compressed Gas Cylinders	2		Water Storage Heaters		
Fluorine Tank			Other (Note in Remarks)		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Past Due
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Plugged
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Unsecured
4. Dikes	11. Shell	4. Deterioated	11. Missing	18. Other (Note in Remarks)
5. Drip Pans	12. Test	5. Inadequate	12. Not Sealed	
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Shielded	
7. Grounding or Bonding	14. Other (Note in Remarks)	7. Incorrect	14. Open Valve	

REMARKS:

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

MACHINERY AND EQUIPMENT

IBM	CLASS CODE 10	NO. INSPECTED 3	NO. SATISFACTOR 3
	53 - 54	55 - 58	59 - 62

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITI
Bel Pedestal Grinder			Press Brake		
Blower			Pulverizer		
Boring Mill			Pump		
Centrifuge			Saw (band - metal)		
Compressor			Saw (band - wood)		
Crusher			Saw (circular - metal)		
Diesels (stationary)			Saw (circular- -wood)		
Drill Press	1		Saw (jig)		
Fans	1		Saw (power - rip)		
Forming Rolls			Saw (radial)		
Gear Cutter			Saw (swing)		
Grinding Machine	1		Screw Machine		
Hobber			Shaper (metal)		
Jointer			Shaper (wood)		
Lathe (engine)			Shears		
Lathe (turret)			Slicer		
Lathe (woodworking)			Welding or Cutting Unit Oxyacetylene - Manual		
Mi			Welding or Cutting Unit Electric - Manual		
Paper Cutter			Welding or Cutting Unit Oxyacetylene - Automatic		
Planer (metal)			Welding or Cutting Unit Electric - Automatic		
Planer (wood)					
Power Press			Other (Note in Remarks)		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	12. Feed Device	23. Limit Stop	1. Broken	11. Rough
2. Blowpipe	13. Grounding	24. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (electrode)	14. Guard	25. Regulator	3. Defective	13. Valve Open
4. Cable (power)	15. Guard (belt)	26. Safety Device	4. Improperly Adjusted	14. Wrong Size or Type
5. Chip Screen	16. Guard (gears)	27. Screens	5. Improperly Located	15. Other (Note in Remarks)
6. Clamp or Vise	17. Guard (projecting stock)	28. Spindle	6. Improperly Secured	
7. Controls	18. Guard (splash)	29. Tool Rest	7. Inadequate	
8. Cylinder Cart	19. Guard (tool or die)	30. Torch	8. Inoperative	
9. Cylinder	20. Guard (wheel)	31. Wheel Dressing	9. Maintenance	
10. Dust Collector	21. Hose	32. Other (Note in Remarks)	10. Missing	
11. Flanges	22. Inspection Date and Tag			

REMARKS:

10.—Machinery & Equipment

JW

ALPHA CONTAMINATION AUDIT REPORT (3050)

Location K-902-1 Inst Office & Lunch Room Date 12-26-61

Supervisor in Charge C.A. Reeves Total Work Area 250 ft²

Operations in Progress

Protective Measures in Force —

SUMMARY:

ALPHA CONTAMINATION		This Survey	Last Survey
	Index	0	0
	Area Factor (Total)	0	0
	Area Factor (Wipe)	0	0

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Floor Area					<100	
Tables & Benches					<100	

	Range Surface	(c/m) Wipe	Weighting Factor	
Class 0	*	—	0	Total ft²
Class I	500-2000	100-500	1	
Class II	2000-10,000	500-2000	5	
Class III	> 10,000	> 2000	20	
			Grand Total (ft²)	

B+? L.P.A.L.

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

JW

K-902-1. INST LUNCH ROOM.

			CLOTHES		HANDS		GROSS	
			ALPHA	BETA	ALPHA	BETA	ALPHA	BETA
1075 INST Calibration	<100	0	<100	0	<100	0	—	—

E.B. Eastwood 12-26-61

Semi-annual

JW

ALPHA CONTAMINATION AUDIT REPORT (3050)

Location K-902-1 Instrument office and Lunch Room Date 4/19/61

Supervisor in Charge C. A. Rennegt Total Work Area 250 ft²

Operations in Progress normal work

Protective Measures in Force

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	0.0	0.0
	Area Factor (Total)	0.0	0.0
	Area Factor (Wipe)	0.0	0.0

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Floor, table, office equipment	—		—		<500	<100

	Range (c/m) Surface	Range (c/m) Wipe	Weighting Factor				
Class 0	*	–	0	Total ft²	0	0	BHZ
Class I	500-2000	100-500	1		0	0	
Class II	2000-10,000	500-2000	5		0	0	LPAL
Class III	>10,000	>2000	20		0	0	
				Grand Total (ft²)	0	0	

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr) Hands	Shoes Personal	Shoes Issue	Clothing Personal	Clothing Issue	Gloves	Re-Re. No.
		<100	—	<100	—	<100	—	
		<100	—	<100	—	<100	—	
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity C/M/ft^3
So. end lunch room	HP-355	1:25	10	150	0/3	0.03

SUMMARY:	Air Samples							
		1	No. Taken		For Samples > P.A.L.	Total —		Total 0.03
		0	No. > P.A.L.			% —		Average 0.03
		0	% > P.A.L.					

REMARKS:

Inspector Neil B. Schuff Op. Supervisor C A Reeves Date 4/19/65

SAFETY AUDIT REPORT
JCN-2021 (1 9-60)

1:00
6 pages

FIXED PROTECTION
(Personnel - Fire)

(one inspection monthly)

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
902-1	K-33 Instrument Main. Shop	01	01	01	5	5	4/19/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Automatic Sprinkler System	1		Fire Extinguishers	1	
Emergency Exits	1		Protective Equip. Supply	1	
Emergency Station	—		P. A. System	1	
Evacuation Alarm	—		Safety Showers	—	
Eye Baths	—		Standpipes	—	
Fire Alarm Boxes	—		Other (Note in Remarks)	—	
Fire Doors	—			—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Postec
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
902-1	K-33 Instrument Main. Shop	01	01	02	6	6	4/19/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	1		Radiating Surfaces	1	
Illumination	1		Traffic Control	1	
Material Containment	1		Ventilation	1	
Radiation	—		Other (Note in Remarks)	—	

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Arec
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

42-39 10-10

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING (IBM 1-5)	LOCATION (6-45)	DIVISION CODE (46-49)	LOCATION CODE (50-51)	CLASS CODE (52-53)	NO. INSPECTED (54-57)	NO. SATISFACTORY (58-61)	DATE (62-67)
902-1	K-33 Instrument Main. Shop	01	01	03	3	3	4/19/6

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Catwalks	—		Ladder (stationery)	—	
Exit	1		Platforms	—	
Floors	1		Scaffolds	—	
Furniture	1		Stairs	—	
Ladder (portable)	—		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING (IBM 1-5)	LOCATION (6-45)	DIVISION CODE (46-49)	LOCATION CODE (50-51)	CLASS CODE (52-53)	NO. INSPECTED (54-57)	NO. SATISFACTORY (58-61)	DATE (62-67)
902-1	K-33 Instrument Main. Shop	01	01	04	2	2	4/19/6

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION
Fluorine	—		Steam (Bldg Ht - Below 15 psig)	1	
Hydrofluoric Acid	—		Steam (Low Pressure - 15 - 250 psig)	—	
Natural Gas	—		Steam (High Pressure - above 250 psig)	—	
Pyrofax	—		Other (Note in Remarks)	1	AIR

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
902-1	K-33 Instrument Main. Shop	01	01	05	8	5	4/19/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEMS INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)	/	
Corded Equipment	3	3(8-5)
Utilization Equipment	4	
High Voltage Equipment (Above 480 Volts)	/	
Disconnects	1	
Rotating Equipment	—	
Other (Note in Remarks)	—	

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
5. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
902-1	K-33 Instrument Main Shop	01	01	06	10	10	4/19/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	1		Use of Safe Attire	2	
Use of Tools	2		Use of Personnel Protective Devices	2	
Use and Maintenance of Machines & Equipment	1		Work Habits	2	
Use of Ionizing Radiation Sources	—				

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
902-1	K-33 Instrument Main. Shop	01	01	07	7	7	4/19/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TY' OL INSPECTED	NO.	NO. UNSATISFACTORY (KIND-CONDITION)
Electric Powered	1	
Hand	6	
Hydraulic	—	
Pneumatic Powered	—	
Powder Actuated	—	

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Rema
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
902-1	K-33 Instrument Main. Shop	01	01	08	4	4	4/19/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION
Conveyor	—		Power Truck	—	
Chain Hoist	—		Tractor	—	
Electric Hoist	—		Plant Railway	—	
Winch or Tugger	—		Skid	—	
Sling	—		Pallet	—	
Lifting Fixture	—		Bicycle	4	
Dolley	—		Bus	—	
Handtruck	—		Passenger Car	—	
Wheelbarrow	—		Motor Truck	—	
Fork Truck	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Ct g Signals	25. Hitches	39. Other (Note in Remarks)
12. C ; Signs	26. Hooks	
13. De an Control	27. Horn	
14. Deck	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
902-1	K-33 Instrument Main. Shop	01	01	09	2	2	4/19/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIC
Acetone Tank	—		Freon Tank	—	
Air Receivers	—		HF Tank	—	
Boilers	—		UF_6 Containers	—	
Compressed Gas Cylinders	2		Water Storage Heaters	—	
Fluorine Tank	—		Other *(Note in Remarks)*	—	

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other *(Note in Remarks)*
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other *(Note in Remarks)*	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
902-1	K-33 Instrument Main Shop	01	01	10	5	5	
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

M E INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Arc Cutting Unit	—		Oxygen-Arc Cutting Unit	—	
Automatic Arc Welding Unit	—		Paper Cutter	—	
Bench or Pedestal Grinder	1		Planer (metal)	—	
Blower	—		Planer (wood)	—	
Boring Mill	—		Power Press	—	
Centrifuge	—		Press Brake	—	
Compressor	—		Pulverizer	—	
Crusher	—		Pump	—	
Diesels (stationary)	—		Saw (band - metal)	—	
Drill Press	1		Saw (band - wood)	—	
Fans	3		Saw (circular - metal)	—	
Forming Rolls	—		Saw (circular - wood)	—	
Gear Cutter	—		Saw (jig)	—	
Grinding Machine	—		Saw (power - rip)	—	
Hobber	—		Saw (radial)	—	
Jointer	—		Saw (swing)	—	
Lat gine)	—		Screw Machine	—	
Lathe (turret)	—		Shaper (metal)	—	
Lathe (woodworking)	—		Shaper (wood)	—	
Manual Arc Cutting Unit	—		Shears	—	
Manual Arc Welding Unit	—		Slicer	—	
Mixer	—		Other *(Note in Remarks)*	—	

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other *(Note in Remarks)*
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other *(Note in Remarks)*	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

AUDITED BY (SIGNATURE) Neil B. Schultz

REVIEWED WITH (SIGNATURE) C A Reeves

10 Machinery and

JW

ALPHA CONTAMINATION AUDIT REPORT

(3944)

Location K-902-2 Cascade Maint Lunch Room Date 12-26-61

Supervisor in Charge S.H. Jones. Total Work Area 400 ft²

Operations in Progress

Protective Measures in Force —

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	0	0
	Area Factor (Total)	0	0
	Area Factor (Wipe)	0	0

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Tables & Benches					<100	
Floor Area					<100	

	Range Surface	(c/m) Wipe	Weighting Factor				
Class 0	*	–	0	Total ft²			B+7 <P.A.L.
Class I	500-2000	100-500	1				
Class II	2000-10,000	500-2000	5				
Class III	>10,000	>2000	20				
			Grand Total (ft²)				

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

JW

ALPHA CONTAMINATION AUDIT REPORT

.ation K-902-2 (K-33) Maintenance Shop (3048) Date 3-10-61

Supervisor in Charge _____ Total Work Area 1500 ft^2

Operations in Progress Routine Maintenance

Protective Measures in Force _____

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	0	
	Area Factor (Total)	0	
	Area Factor (Wipe)	0	

SPECIFIC LOCATION	Area (ft^2) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
All surfaces <100						

	Range Surface	(c/m) Wipe	Weighting Factor			
Class 0	*	–	0	Total ft^2		
Class I	500-2000	100-500	1		0	
Class II	2000-10,000	500-2000	5		0	
ss III	> 10,000	> 2000	20		0	
			Grand Total (ft^2)			

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr) Hands	Shoes Personal	Shoes Issue	Clothing Personal	Clothing Issue	Gloves	Re Ret. No.
		200		<100		<100		
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity C/M/ft^3
Fan level, East Side	HP.235	9:10	5	15	0/2	0.04
Fan level West Side	HP 236	9:16	5	15	0/1	1.00

SUMMARY:							
Air Samples	2	No. Taken		For Samples > P.A.L.	Total 1		Total 1.04
	1	No. > P.A.L.			% 50		Average 0.52
	50	% > P.A.L.					

REMARKS: High air activity resulted while employee was repairing a squirl cage blower

Inspector W. P. Ellis Op. Supervisor M. W. Wells Date 3-10-61

JW

ALPHA CONTAMINATION AUDIT REPORT (3044)

Location K-902-2 Maintenance Lunch Room Date 3-10-61

Supervisor in Charge _____ Total Work Area 400 ft^2

Operations in Progress None

Protective Measures in Force _____

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	0	0
	Area Factor (Total)	0	0
	Area Factor (Wipe)	0	0

SPECIFIC LOCATION	Area (ft^2) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
All readings <100						

	Range Surface	(c/m) Wipe	Weighting Factor			
Class 0	*	–	0	Total ft^2		
Class I	500-2000	100-500	1			
Class II	2000-10,000	500-2000	5			
ss III	> 10,000	> 2000	20			
			Grand Total (ft^2)			

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

RADIATION MONITORING AND CONTROL REPORT

Division: Maintenance
Department: 1002
Location: K-902-2 Shop, office, Lunch Room, Change House

Date: 3-20-61 JW

Checked by: B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft²	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft³)	Alpha Counts/min/ft³
Shop										
floor area		200	<100	pal						
equipment		150	<100	<						
Office										
floor area		200	<100	pal						
equipment		200	<100	<						
Lunch room										
floor area										
equipment		<100	<100	pal						
		<100	<100	<						
Change house										
floor area		<100	<100	pal						
equipment		<100	<100	<						
at North end of shop							M-130	1:49	100	0.0

Action Taken: None necessary 2 Checked < Pal radiation hands, shoes, clothes
2 Total Personnel Checked

(over)

Approved: W. H. Luckett
Operating Supervisor

DISTRIBUTION: 1st Copy - Radiation Hazards and Safety Department K-25RC
2nd Copy - Divisional Files

WCX-2191 (11-53) K-25RC Safety & Health Physics Section

RADIATION MONITORIN(ND CONTROL REPORT

Division Maintenance
Department 1077
Location K-902-2 shop, lunch room, office, change house

Date 3-20-61 JW
Checked by B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft²	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft³)	Alpha Counts/min/ft³
Shop area										
floor area		250	<100	Pal						
Equipment		300	<100	L						
Lunch room										
floor area		<100	<100	Pal						
Equipment		<100	<100	L						
office										
floor area		200	<100	Pal						
Equipment		200	<100	L						
Change house										
floor area		200	<100	Pal						
Equipment		<100	<100	L						

Action Taken: None necessary

Checked for total radiation on people, shoes, clothes & total personnel checked

(over)

Approved D. L. Mathews
Operating Supervisor

DISTRIBUTION: 1st Copy - Radiation Hazards and Safety Department K-25RC
2nd Copy - Divisional Files

WCX-2191 (11-53) K-25RC Safety & Health Physics Section

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

Page 1 of

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-902-2	Process Maint Shops	01	51	01	6	1	3-10-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Sprinkler System	1		Fire Extinguishers	3	3(3-13)
Emergency Exits			Protective Equip. Supply	2	2(11-5)
Emergency Station			P. A. System		
Evacuation Alarm			Safety Showers		
Eye Baths			Standpipes		
Fire Alarm Boxes		None in Sight	Other (Note in Remarks)		
Fire Doors					

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-902-2	Process Maint Shops	01	51	02	17	16	3-10-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	5	1(6-8) combustibles, Press Shop	Radiating Surfaces		
Illumination	5		Traffic Control	2	
Material Containment	5		Ventilation	2	
Radiation			Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Area
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) [illegible]

01 - Fixed Protection
02 - Environmental Control

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-902-2	Process Maint Shop	01	51	03	7	7	3-28-.
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED		NO. UNSATISFACTORY (PART - REASON
Catwalks			Ladder (stationery)		
Exit	2		Platforms		
Floors	3		Scaffolds		
Furniture	2		Stairs		
Ladder (portable)			Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-902-2	Process Maint Shop	01	51	04	2	2	3-28-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION
Fluorine			Steam (Bldg Ht - Below 15 psig)		
Hydrofluoric Acid			Steam (Low Pressure - 15 - 250 psig)		
Natural Gas			Steam (High Pressure - above 250 psig)		
Pyrofax			Other (Note in Remarks)	2	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) D. W. Wells

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-902-2	Process Maint Shops	01	51	05	17	12	3-10-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEMS INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)	3	
Corded Equipment	5	5 (8-5)
Utilization Equipment	4	
High Voltage Equipment (Above 480 Volts)		
Disconnects	5	
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
5. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-902-2	Process Maint Shop	01	51	06	6	3	3-10-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	1		Use of Safe Attire		
Use of Tools	1		Use of Personnel Protective Devices	4	2(15) 1(26)
Use and Maintenance of Machines & Equipment			Work Habits		
Use of Ionizing Radiation Sources					

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) R. W. Walls

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-9022	Process Maint Shop	01	51	07	46	36	3-16
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE OF TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered		
Hand	40	8(7-9) 2(19-4)
Hydraulic	5	
Pneumatic Powered	1	
Powder Actuated		

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other *(Note in Remc*
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other *(Note in Remarks)*
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-902-2	Process Maint Shop	01	51	08	4	4	3-10-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor			Power Truck		
Chain Hoist	2		Tractor		
Electric Hoist			Plant Railway		
Winch or Tugger			Skid		
Sling			Pallet		
Lifting Fixture			Bicycle		
Dolley			Bus		
Handtruck	1		Passenger Car		
Wheelbarrow			Motor Truck		
Fork Truck	1		Other *(Note in Remarks)*		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Cr g Signals	25. Hitches	39. Other *(Note in Remarks)*
12. C Signs	26. Hooks	
13. De n Control	27. Horn	
14. Deck	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other *(Note in Remarks)*
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) D. W. Wh

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-902-2	Process maint Shop	01	51	09	2	2	3-10-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIC
Ace. Tank			Freon Tank		
Air Receivers			HF Tank		
Boilers			UF_6 Containers		
Compressed Gas Cylinders	2		Water Storage Heaters		
Fluorine Tank			Other *(Note in Remarks)*		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other *(Note in Remarks)*
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other *(Note in Remarks)*	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE) W P Ellis

REVIEWED WITH (SIGNATURE) M. W. Wells

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-902-2	Process Maint Shops	01	51	10	9	6	3-16-6
IBM · 5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Arc Cutting Unit			Oxygen-Arc Cutting Unit	1	
Automatic Arc Welding Unit			Paper Cutter		
Bench or Pedestal Grinder			Planer (metal)		
Blower			Planer (wood)		
Boring Mill			Power Press		
Centrifuge			Press Brake		
Compressor			Pulverizer		
Crusher			Pump		
Diesels (stationary)			Saw (band - metal)		
Drill Press	1		Saw (band - wood)		
Fans	2		Saw (circular - metal)		
Forming Rolls			Saw (circular - wood)		
Gear Cutter			Saw (jig)		
Grinding Machine	2	1(27-7)	Saw (power - rip)		
Hobber			Saw (radial)		
Jointer			Saw (swing)		
Lathe (engine)			Screw Machine		
Lathe (turret)			Shaper (metal)		
Lathe (woodworking)			Shaper (wood)		
Manual Arc Cutting Unit			Shears		
Manual Arc Welding Unit	2	2(20-7)	Slicer		
Mixer			Pipe Threader Other (Note in Remarks)	1	

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other *(Note in Remarks)*
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other *(Note in Remarks)*	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) D. W. Wells

10 - Machinery and

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

1:15
6 pages

FIXED PROTECTION
(Personnel - Fire)

(original —)

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1008	K-1008D Instrument Main. Shop	01	01	01	5	5	4/20/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Sprinkler System	1		Fire Extinguishers	2	
Emergency Exits	1		Protective Equip. Supply	1	
Emergency Station	—		P. A. System	—	
Evacuation Alarm	—		Safety Showers	—	
Eye Baths	—		Standpipes	—	
Fire Alarm Boxes	—		Other (Note in Remarks)	—	
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1008	K-1008D Instrument Main. Shop	01	01	02	6	6	4/20/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	1		Radiating Surfaces	1	
Illumination	1		Traffic Control	1	
Material Containment	1		Ventilation	1	
Radiation	—		Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Area
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

—104— 35-35 10-10

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1008	K-1008D Instrument Main. Shop	01	01	03	3	3	4/26/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART-REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART-REASON)
Catwalks	—		Ladder (stationery)	—	
Exit	1		Platforms	—	
Floors	1		Scaffolds	—	
Furniture	1		Stairs	—	
Ladder (portable)	—		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1008	K-1008D Instrument Main. Shop	01	01	04	2	2	4/26/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART-CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART-CONDITION
Fluorine	—		Steam (Bldg Ht - Below 15 psig)	1	
Hydrofluoric Acid	—		Steam (Low Pressure - 15-250 psig)	—	
Natural Gas	—		Steam (High Pressure - above 250 psig)	—	
Pyrofax	—		Other (Note in Remarks)	1	Air

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1008	K-1008D Instrument Main. Shop	01	01	05	4	4	4/20/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)	/	
Corded Equipment	3	(1960)
Utilization Equipment	1	
High Voltage Equipment (Above 480 Volts)	/	
Disconnects	—	
Rotating Equipment	—	
Other *(Note in Remarks)*	—	

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other *(Note in Remarks)*

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
5. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1008	K-1008D Instrument Main. Shop	01	01	06	10	10	4/20/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	1		Use of Safe Attire	2	
Use of Tools	2		Use of Personnel Protective Devices	2	
Use and Maintenance of Machines & Equipment	1		Work Habits	2	
Use of Ionizing Radiation Sources	—				

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel Enclosure, when Unsafe Because of Temperature Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1008	K-1008D Instrument Main. Shop	01	01	07	8	8	4/20/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62/67

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered	2	
Hand	6	
Hydraulic	—	
Pneumatic Powered	—	
Powder Actuated	—	

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1008	K-1008D Instrument Main. Shop	01	01	08	2	2	4/20/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor	—		Power Truck	—	
Chain Hoist	—		Tractor	—	
Electric Hoist	—		Plant Railway	—	
Winch or Tugger	—		Skid	—	
Sling	—		Pallet	—	
Lifting Fixture	—		Bicycle	2	
Dolley	—		Bus	—	
Handtruck	—		Passenger Car	—	
Wheelbarrow	—		Motor Truck	—	
Fork Truck	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Cr[illegible]g Signals	25. Hitches	39. Other (Note in Remarks)
12. C[illegible] Signs	26. Hooks	
13. De[illegible]on Control	27. Horn	
14. Deck	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1008	K-1008D Instrument Maint. Shop	01	01	09	2	2	
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITIO
Acetone Tank	—		Freon Tank	—	
Air Receivers	—		HF Tank	—	
Boilers	—		UF_6 Containers	—	
Compressed Gas Cylinders	2		Water Storage Heaters	—	
Fluorine Tank	—		Other *(Note in Remarks)*	—	

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other *(Note in Remarks)*
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other *(Note in Remarks)*	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1008	K-1008D Instrument Main. Shop	01	01	10	3	3	4/20/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Arc Cutting Unit	—		Oxygen-Arc Cutting Unit	—	
Automatic Arc Welding Unit	—		Paper Cutter	—	
Bench or Pedestal Grinder	1		Planer (metal)	—	
Blower	—		Planer (wood)	—	
Boring Mill	—		Power Press	—	
Centrifuge	—		Press Brake	—	
Compressor	—		Pulverizer	—	
Crusher	—		Pump	—	
Diesels (stationary)	—		Saw (band - metal)	—	
Drill Press	1		Saw (band - wood)	—	
Fans	1		Saw (circular - metal)	—	
Forming Rolls	—		Saw (circular - wood)	—	
Gear Cutter	—		Saw (jig)	—	
Grinding Machine	—		Saw (power - rip)	—	
Hobber	—		Saw (radial)	—	
Jointer	—		Saw (swing)	—	
Lathe (engine)	—		Screw Machine	—	
Lathe (turret)	—		Shaper (metal)	—	
Lathe (woodworking)	—		Shaper (wood)	—	
Manual Arc Cutting Unit	—		Shears	—	
Manual Arc Welding Unit	—		Slicer	—	
Mixer	—		Other *(Note in Remarks)*	—	

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other *(Note in Remarks)*
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other *(Note in Remarks)*	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

-109-

AUDITED BY (SIGNATURE) Neil B. Schmitt

REVIEWED WITH (SIGNATURE) B. H. Bramblett

Semi-annual

N.D.B.

ALPHA CONTAMINATION AUDIT REPORT (3025)

Location K-1024 Instrument Shop Lunch Room Date 4/18/61

Supervisor in Charge J. M. Ellis Total Work Area 710 ft²

Operations in Progress none

Protective Measures in Force

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	0.0	0.0
	Area Factor (Total)	0.0	0.0
	Area Factor (Wipe)	0.0	0.0

SPECIFIC LOCATION	Area (ft²) and Class of Contamination		Maximum Reading (c/m)	
	Surface	Wipe	Surface	Wipe
Floors, tables, seats	—	—	<100	<100

	Range Surface	(c/m) Wipe	Weighting Factor			
Class 0	*	–	0	Total ft²	0	0
Class I	500-2000	100-500	1		0	0
Class II	2000-10,000	500-2000	5		0	0
ss III	> 10,000	> 2000	20		0	0
			Grand Total (ft²)		0	0

BOV

LPAL

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

annual

JM

ALPHA CONTAMINATION AUDIT REPORT (3029)

:ation K-1024 Acid Room and Valve Repair Date 4/18/61

-upervisor in Charge J.M. Ellis Total Work Area 1875 ft²

Operations in Progress Normal work

Protective Measures in Force

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	0.4	0.3
	Area Factor (Total)	0.1	0.1
	Area Factor (Wipe)	0.1	0.0

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Metal test bench — (top surface)	1	II	1	I	3500	150
	1	I			1700	400
Glove, bins, pallets	—		—		<500	400

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rer Re No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
		400	—	400	—	400	400	
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
Westend - Acid Room	HP-352	9:25	10	150	0/1	0.00

SUMMARY:	Air Samples							
		1	No. Taken		For Samples > P.A.L.	Total		Total 0.00
		0	No. > P.A.L.			%		Average 0.00
		0	% > P.A.L.					

REMARKS:

Inspector N. B. Schmitz Op. Supervisor N. N. Landay Date 4/10/61

JW

ALPHA CONTAMINATION AUDIT REPORT

(3025)

Location K-1124 INST SHOP Area 2 Date 12-26-61

Supervisor in Charge LTM. [illegible] Total Work Area 710 ft²

Operations in Progress —

Protective Measures in Force —

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	0	0
	Area Factor (Total)	0	0
	Area Factor (Wipe)	0	0

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Floor Area					<100	
Tables & Benches					<100	

	Range Surface	(c/m) Wipe	Weighting Factor	
Class 0	*	—	0	Total ft²
Class I	500-2000	100-500	1	
Class II	2000-10,000	500-2000	5	
ss III	> 10,000	> 2000	20	
			Grand Total (ft²)	

B + 7 < P.A.L.

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

SAFETY AUDIT REPORT 2:40 6 pages

UCN-2021 (1 9-60)

monthly

FIXED PROTECTION
(Personnel - Fire)

(use calendar month)

Records File

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1024	K-1024 Building	01	01	01	17	17	4/18/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Auton. Sprinkler System	1		Fire Extinguishers HHI	6	
Emergency Exits HHI	6		Protective Equip. Supply	1	
Emergency Station April - Aug '61	1		P. A. System	1	
Evacuation Alarm	—		Safety Showers	—	
Eye Baths	—		Standpipes	—	
Fire Alarm Boxes #343-1	1		Other (Note in Remarks)	—	
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Postec
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1024	K-1024 Building	01	01	02	18	18	4/18/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping III	3		Radiating Surfaces III	3	
Illumination III	3		Traffic Control III	3	
Material Containment III	3		Ventilation III	3	
Radiation	—		Other (Note in Remarks)	—	

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Arec
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

-114- 153-153 27-27

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1024	K-1024 Building	01	01	03	19	19	4/18/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Catw. ∞	—		Ladder (stationery)	—	
Exit	6		Platforms	—	
Floors	3		Scaffolds	—	
Furniture	2		Stairs	6	
Ladder (portable)	2		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1024	K-1024 Building	01	01	04	14	14	4/18/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION
Fluorine	1		Steam (Bldg Ht - Below 15 psig)	1	
Hydrofluoric Acid	—		Steam (Low Pressure - 15 - 250 psig)	—	
Natural Gas	—		Steam (High Pressure - above 250 psig)	—	
Pyrofax	1		Other (Note in Remarks)	11	Air, H_2O_2, methanol, oil, [illegible]

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

JCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1024	K-1024 Building	01	01	05	29	29	4/18/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)	/	
Corded Equipment	17	
Utilization Equipment	12	
High Voltage Equipment (Above 480 Volts)	/	
Disconnects	—	
Rotating Equipment	—	
Other (Note in Remarks)	—	

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
5. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1024	K-1024 Building	01	01	06	27	27	4/18/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	2		Use of Safe Attire	7	
Use of Tools	6		Use of Personnel Protective Devices	7	
Use and Maintenance of Machines & Equipment	2		Work Habits	3	
Use of Ionizing Radiation Sources	—				

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel Enclosure, when Unsafe Because of Temperatu Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

AUDITED BY (SIGNATURE)

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SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1024	K-1024 Building	01	01	07	9	9	4/18/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE OF TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered HH	3	
Hand HHK 1	6	
Hydraulic	—	
Pneumatic Powered	—	
Powder Actuated	—	

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1024	K-1024 Building	01	01	08	12	12	4/18/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor	—		Power Truck	—	
Chain Hoist	1		Tractor	—	
Electric Hoist	1		Plant Railway	—	
Winch or Tugger	—		Skid	2	
Sling	2		Pallet	3	
Lifting Fixture	—		Bicycle	—	
Dolley	1		Bus	—	
Handtruck	—		Passenger Car (S)-E-7835	1	
Wheelbarrow	—		Motor Truck	—	
Fork Truck #68-3549	1		Other (Note in Remarks)	—	

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Cr[illegible]ng Signals	25. Hitches	39. Other (Note in Remarks)
12. C[illegible] Signs	26. Hooks	
13. D[illegible]n Control	27. Horn	
14. Deck	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

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SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1024	K-1024 Building	01	01	09	15	15	4/18/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Acetone Tank	—		Freon Tank	—	
Air Receivers	—		HF Tank	—	
Boilers	—		UF_6 Containers	2	
Compressed Gas Cylinders	12		Water Storage Heaters	—	
Fluorine Tank	1		Other *(Note in Remarks)*	—	

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other *(Note in Remarks)*
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other *(Note in Remarks)*	7. Incorrect	14. Not Shielded	

REMARKS:

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09 - Pressure Vessels &

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1024	K-1024 Building	01	01	10	20	20	4/18/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Arc Cutting Unit	—		Oxygen-Arc Cutting Unit	—	
Automatic Arc Welding Unit	—		Paper Cutter	—	
Bench or Pedestal Grinder	1		Planer (metal)	—	
Blower	—		Planer (wood)	—	
Boring Mill	—		Power Press	—	
Centrifuge	—		Press Brake	—	
Compressor	—		Pulverizer	—	
Crusher	—		Pump	12	
Diesels (stationary)	—		Saw (band - metal)	1	
Drill Press	1		Saw (band - wood)	—	
Fans	1		Saw (circular - metal)	1	
Forming Rolls	—		Saw (circular - wood)	—	
Gear Cutter	—		Saw (jig)	—	
Grinding Machine	1		Saw (power - rip)	—	
Hobber	—		Saw (radial)	—	
Jointer	—		Saw (swing)	—	
Lathe (engine)	—		Screw Machine	—	
Lathe (metal)	1		Shaper (metal)	1	
Lathe (woodworking)	—		Shaper (wood)	—	
Manual Arc Cutting Unit	—		Shears	—	
Manual Arc Welding Unit	—		Slicer	—	
Mixer	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

AUDITED BY (SIGNATURE) Neil B. Schultz

REVIEWED WITH (SIGNATURE) M. M. Landay

SAFETY AUDIT REPORT {6 pages 3:15 hr

UCN-2021 (1 9-60)

Monthly

FIXED PROTECTION
(Personnel - Fire)

JW

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1024	Instrument Maintenance Shop	01	01	01	16	16	3/21/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Sprinkler System	1		Fire Extinguishers IIII I	6	
Emergency Exits	4		Protective Equip. Supply	2	
Emergency Station	1		P. A. System	—	
Evacuation Alarm	—		Safety Showers	—	
Eye Baths	—		Standpipes	—	
Fire Alarm Boxes	2		Other (Note in Remarks)	—	
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Postec
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1024	Instrument Maintenance Shop	01	01	02	18	18	3/21/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping III	3		Radiating Surfaces	2	
Illumination III	3		Traffic Control	3	
Material Containment IIII	4		Ventilation	3	
Radiation	—		Other (Note in Remarks)	—	

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Arec
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE) 1E2, 1E1 12-22

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1024	Instrument Maintenance Shop	01	01	03	17	17	3/21/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Catwalks	—		Ladder (stationery)	—	
Exit	5		Platforms	—	
Floors	3		Scaffolds	—	
Furniture	3		Stairs	2	
Ladder (portable)	4		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1024	Instrument Maintenance Shop	01	01	04	3	3	3/21/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine	—		Steam (Bldg Ht - Below 15 psig)	1	
Hydrofluoric Acid	—		Steam (Low Pressure - 15 - 250 psig)	—	
Natural Gas	—		Steam (High Pressure - above 250 psig)	—	
Pyrofax	1		Other (Note in Remarks)	1	air

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE) | REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

JCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1024	Instrument Maintenance Shop	01	01	05	10	10	3/21/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

INSPECTED	NO.	NO. UNSATISFACTORY (ITEM - CONDITION)
Low Voltage Equipment (Below 480 Volts)	—	
Corded Equipment	6	(1960)
Utilization Equipment		
High Voltage Equipment (Above 480 Volts)	—	
Disconnects	4	
Rotating Equipment	—	
Other (Note in Remarks)	—	
	—	

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
5. Does Not Meet Plant Specification
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1024	Instrument Maintenance Shop	01	01	06	26	26	3/21/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	2		Use of Safe Attire	6	
Use of Tools	5		Use of Personnel Protective Devices	6	
Use and Maintenance of Machines & Equipment	1		Work Habits	6	
Use of Ionizing Radiation Sources	—				

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel Enclosure, when Unsafe Because of Temperature Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1024	Instrument Maintenance Shop	01	01	07	19	19	3/21/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE OF TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered 11	2	
Hand ~~IIII~~ ~~IIII~~ ~~IIII~~ II	17	
Hydraulic	—	
Pneumatic Powered	—	
Powder Actuated	—	
	—	

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1024	Instrument Maintenance Shop	01	01	08	11	11	3/21/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor	—		Power Truck	—	
Chain Hoist	1		Tractor	—	
Electric Hoist	1		Plant Railway	—	
Winch or Tugger	—		Skid	—	
Sling	2		Pallet 11	2	
Lifting Fixture	—		Bicycle	—	
Dolley	3		Bus	—	
Handtruck	—		Passenger Car	2	(E-7835)(E-0893)
Wheelbarrow	—		Motor Truck	—	
Fork Truck	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Cr[illegible]ng Signals	25. Hitches	39. Other (Note in Remarks)
12. C[illegible]g Signs	26. Hooks	
13. D[illegible]on Control	27. Horn	
14. Deck	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

07 - Power Tools
08 - Materials Handling

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1024	Instrument Maintenance Shop	01	01	09	40	40	
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIO
Acetone Tank	—		Freon Tank	—	
Air Receivers	—		HF Tank	—	
Boilers	—		UF_6 Containers	—	
Compressed Gas Cylinders (15) (25)	40	(O_2)(N_2)(He)(Freon)(F_2)	Water Storage Heaters	—	
Fluorine Tank	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other (Note in Remarks)
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other (Note in Remarks)	7. Incorrect	14. Not Shielded	

REMARKS:

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SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1024	Instrument Maintenance Shop	01	01	10	19	17	3/24/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Arc Cutting Unit	—		Oxygen-Arc Cutting Unit	—	
Automatic Arc Welding Unit	—		Paper Cutter	—	
Bench or Pedestal Grinder	1		Planer (metal)	—	
Blower	—		Planer (wood)	—	
Boring Mill	—		Power Press	—	
Centrifuge	—		Press Brake	—	
Compressor	—		Pulverizer	—	
Crusher	—		Pump	12	2(13-10)
Diesels (stationary)	—		Saw (band - metal)	1	
Drill Press	1		Saw (band - wood)	—	
Fans	1		Saw (circular - metal)	—	
Forming Rolls	—		Saw (circular - wood)	—	
Gear Cutter	—		Saw (jig)	—	
Grinding Machine	1		Saw (power - rip)	—	
Hobber	—		Saw (radial)	—	
Jointer	—		Saw (swing)	—	
Lat' ~~gine)~~	1		Screw Machine	—	
Latt.. urret)	—		Shaper (metal)	—	
Lathe (woodworking)	—		Shaper (wood)	—	
Manual Arc Cutting Unit	—		Shears	—	
Manual Arc Welding Unit	—		Slicer	1	
Mixer	—		Other *(Note in Remarks)*	—	

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other *(Note in Remarks)*
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other *(Note in Remarks)*	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

AUDITED BY (SIGNATURE) Neil B. Schultz

REVIEWED WITH (SIGNATURE) N. M. Landon

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(2½ hrs.) (6 pages)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1024	Instrument Maintenance Shop	01	01 ~~1075~~	01	18	18	2/24/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Automatic Sprinkler System	1		Fire Extinguishers	1111	
Emergency Exits	111		Protective Equip. Supply	111	
Emergency Station	1		P. A. System	1	
Evacuation Alarm			Safety Showers		
Eye Baths			Standpipes		
343-2 Fire Alarm Boxes	1		Other (Note in Remarks)		
Fire Doors					

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1024	Instrument Maintenance Shop	01	01 ~~1075~~	02	17	17	2/24/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping 111	111		Radiating Surfaces 1	1	
Illumination 111	111		Traffic Control 111	111	
Material Containment 1111	1111		Ventilation 111	111	
Radiation			Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Area
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

125-125 18-18

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SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1024	Instrument Maintenance Shop	01	0 ~~1075~~	03	13	13	2/24/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART-REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART-REASON)
Catwalks			Ladder (stationery)		
Exit IIII	IIII		Platforms		
Floors III	III		Scaffolds		
Furniture II	II		Stairs III	III	
Ladder (portable) I	I		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1024	Instrument Maintenance Shop	01	0 ~~1075~~	04	12	12	2/24/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART-CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Fluorine			Steam (Bldg Ht - Below 15 psig)	I	
Hydrofluoric Acid			Steam (Low Pressure - 15-250 psig)		
Natural Gas			Steam (High Pressure - above 250 psig)		
Pyrofax	II		Other (Note in Remarks) IIII IIII		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

methanol, acetone, alcohol, trichlor, oil, O_2 - air

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SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1024	Instrument Maintenance Shop	01	~~1075~~ 01	05	17	17	2/24/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Corded Equipment 1960	卌 ||||	
Utilization Equipment	卌 |	
High Voltage Equipment (Above 480 Volts)		
Disconnects	4	
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
5. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1024	Instrument Maintenance Shop	01	~~1075~~ 01	06	18	18	2/24/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	1		Use of Safe Attire	卌	
Use of Tools	||||		Use of Personnel Protective Devices	卌 ||	
Use and Maintenance of Machines & Equipment	1		Work Habits		
Use of Ionizing Radiation Sources					

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel Enclosure, when Unsafe Because of Temperature Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

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SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1024	Instrument Maintenance Shop	01	01 ~~1075~~	07	9	9	2/24/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE OF TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered	1111	
Hand	1111	
Hydraulic		
Pneumatic Powered		
Powder Actuated		

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Rema
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1024	Instrument Maintenance Shop	01	01 ~~1075~~	08	8	8	2/24/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor			Power Truck		
Chain Hoist			Tractor		
Electric Hoist	1		Plant Railway		
Winch or Tugger			Skid	1	
Sling	1		Pallet	1	
Lifting Fixture			Bicycle		
Dolley	11		Bus		
Handtruck			Passenger Car 5753 ~~327~~	11	
Wheelbarrow			Motor Truck		
Fork Truck			Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. C g Signals	25. Hitches	39. Other (Note in Remarks)
12. C g Signs	26. Hooks	
13. De ian Control	27. Horn	
14. Deck	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

07 - Power Tools
08 - Materials Handling

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1024	Instrument Maintenance Shop	01	01 ~~1075~~	09	16	16	2/24/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIO
Acetone Tank			Freon Tank		
Air Receivers			HF Tank		
Boilers			UF_6 Containers		
Compressed Gas Cylinders O2 HE ~~Petroleum gas~~	~~HF 10~~ HN 1		Water Storage Heaters		
Fluorine Tank			Other (Note in Remarks)		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other (Note in Remarks)
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other (Note in Remarks)	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
102-4	Instrument Maintenance Shop	01	~~1075~~ 06	10	15	15	2/24/
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

M E INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Arc Cutting Unit			Oxygen-Arc Cutting Unit		
Automatic Arc Welding Unit			Paper Cutter		
Bench or Pedestal Grinder	1		Planer (metal)		
Blower	1		Planer (wood)		
Boring Mill			Power Press		
Centrifuge			Press Brake		
Compressor			Pulverizer		
Crusher			Pump	1111	
Diesels (stationary)			Saw (band - metal)	1	
Drill Press	1		Saw (band - wood)		
Fans	1		Saw (circular - metal)		
Forming Rolls			Saw (circular - wood)		
Gear Cutter			Saw (jig)		
Grinding Machine			Saw (power - rip)		
Hobber			Saw (radial)		
Jointer			Saw (swing)		
Lat gine)	11		Screw Machine		
Lathe urret)			Shaper (metal)		
Lathe (woodworking)			Shaper (wood)	1	
Manual Arc Cutting Unit			Shears		
Manual Arc Welding Unit			Slicer		
Mixer			Other *(Note in Remarks)*		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other *(Note in Remarks)*
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other *(Note in Remarks)*	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

AUDITED BY (SIGNATURE) Neil B. Schmitt

REVIEWED WITH (SIGNATURE) J H Goodman

3:00 hr.

SAFETY AUDIT REPORT 6

JCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

~~C.J. Cole~~ Records file

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1024	Instrument Maintenance	01	1075	01	18	17	1/31/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Automatic Sprinkler System	II		Fire Extinguishers	~~III~~ II	
Emergency Exits	III		Protective Equip. Supply	II	
Emergency Station	II	1 (11-13)	P. A. System	I	
Evacuation Alarm	—		Safety Showers	—	
Eye Baths	—		Standpipes	—	
Fire Alarm Boxes	I		Other (Note in Remarks)	—	
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1024	Instrument Maintenance	01	1075	02	14	14	1/31/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	III*		Radiating Surfaces	III	(L-28 Boilers)
Illumination	III		Traffic Control	I	
Material Containment	III		Ventilation	I	
Radiation	—		Other (Note in Remarks)	—	

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Are
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:
*Lunch Room; Offices; Shop Areas

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE) 177-126 13-62

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1024	Instrument Maintenance	01	1075	03	11	11	1/31/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART-REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART-REASON)
Catwalks	—		Ladder (stationery)	—	
Exit	11		Platforms	—	
Floors	///		Scaffolds	—	
Furniture	11		Stairs	///	
Ladder (portable)	1		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splinterec
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1024	Instrument Maintenance	01	1075	04	7	7	1/31/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART-CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Fluorine	—		Steam (Bldg Ht - Below 15 psig)	11	
Hydrofluoric Acid	—		Steam (Low Pressure - 15-250 psig)	—	
Natural Gas	—		Steam (High Pressure - above 250 psig)	—	
Pyrofax	1		Other (Note in Remarks) air O2	////	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE) | REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

JCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1024	Instrument Maintenance	01	1075	05	18	18	1/31/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEMS INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)	~~IIII~~	
Corded Equipment 1960	~~IIII~~	
Utilization Equipment	~~IIII~~ II	
High Voltage Equipment (Above 480 Volts)	I	
Disconnects	—	
Rotating Equipment	—	
Other (Note in Remarks)	—	

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
5. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1024	Instrument Maintenance	01	1075	06	43	42	1/31/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	III		Use of Safe Attire	~~IIII~~ ~~IIII~~ ~~IIII~~ I	
Use of Tools	~~IIII~~ II		Use of Personnel Protective Devices	~~IIII~~ ~~IIII~~ ~~IIII~~ I	1-(25)
Use and Maintenance of Machines & Equipment	I		Work Habits		
Use of Ionizing Radiation Sources	—				

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1024	Instrument Maintenance	01	1075	07	15	15	1/31/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE OF TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered	///	
Hand	~~//~~ ~~//~~ //	
Hydraulic	—	
Pneumatic Powered	—	
Powder Actuated	—	

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1024	Instrument Maintenance	01	1075	08	13	13	1/31/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor			Power Truck		
Chain Hoist			Tractor		
Electric Hoist	/		Plant Railway		
Winch or Tugger			Skid		
Sling	////		Pallet	//	
Lifting Fixture			Bicycle		
Dolley	~~//~~ /		Bus		
Handtruck			Passenger Car		
Wheelbarrow			Motor Truck		
Fork Truck			Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Cr[illegible]ing Signals	25. Hitches	39. Other (Note in Remarks)
12. C[illegible] Signs	26. Hooks	
13. D[illegible]n Control	27. Horn	
14. Deck	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

07 - Power Tools

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1024	Instrument Maintenance	01	1075	09	11	11	1/31/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIC
Acetone Tank	–		Freon Tank	–	
Air Receivers	–		HF Tank	–	
Boilers	–		UF_6 Containers	–	
O_2, H_2, Refrigerant Compressed Gas Cylinders	11/11		Water Storage Heaters	1	
Fluorine Tank	–		Other (Note in Remarks)	–	

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other (Note in Remarks)
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other (Note in Remarks)	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1024	Instrument Maintenance	01	1075	10	20	20	1/31/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

M 'E INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIO
Automatic Arc Cutting Unit	—		Oxygen-Arc Cutting Unit		
Automatic Arc Welding Unit	—		Paper Cutter	—	
Bench or Pedestal Grinder	—		Planer (metal)	—	
Blower	—		Planer (wood)	—	
Boring Mill	—		Power Press	—	
Centrifuge	—		Press Brake	—	
Compressor	—		Pulverizer	—	
Crusher	—		Pump	11	
Diesels (stationary)	—		Saw (band - metal)	1	
Drill Press	11		Saw (band - wood)	—	
Fans	111		Saw (circular - metal)	1	
Forming Rolls	—		Saw (circular - wood)	—	
Gear Cutter	—		Saw (jig)	—	
Grinding Machine	11		Saw (power - rip)	—	
Hobber	—		Saw (radial)	—	
Jointer	—		Saw (swing)	—	
Lat' 'gine)	—		Screw Machine	—	
Latt. ~~ret~~ chine	111		Shaper (metal)	1	
Lathe (woodworking)	—		Shaper (wood)	—	
Manual Arc Cutting Unit	—		Shears	—	
Manual Arc Welding Unit	—		Slicer	—	
Mixer	—		Other *(Note in Remarks)*	—	

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other *(Note in Remarks)*
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other *(Note in Remarks)*	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

AUDITED BY (SIGNATURE) Neil B. Schutt

REVIEWED WITH (SIGNATURE) J. H. Goldwin

Cold AREA SURVEY

ALPHA CONTAMINATION AUDIT REPORT

cation K-1029 BUILDING Date 12-27-61

Supervisor in Charge J. P. JONES Total Work Area 29000 ft^2

Operations in Progress NONE

Protective Measures in Force Cold AREA

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	0.0	
	Area Factor (Total)	0.0	
	Area Factor (Wipe)		

SPECIFIC LOCATION	Area (ft^2) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
2ND FLOOR, HALLWAYS, OFFICES, REST ROOMS	19500	0				
1ST FLOOR, HALLWAYS, OFFICES - REST ROOMS ENTRANCE FOYER	19500	0				

	Range Surface	Range (c/m) Wipe	Weighting Factor			
Class 0	*	–	0	Total ft^2	29000	
Class I	500-2000	100-500	1			
Class II	2000-10,000	500-2000	5			
ass III	> 10,000	> 2000	20			
			Grand Total (ft^2)		29000	

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

JW

ALPHA CONTAMINATION AUDIT REPORT (3026)

Location K-1030 Elec. Maint. Lunch Room Date 12-12-61

Supervisor in Charge L. L. Mathews. Total Work Area 225 ft²

Operations in Progress —

Protective Measures in Force —

SUMMARY:

ALPHA CONTAMINATION		This Survey	Last Survey
	Index	0	0
	Area Factor (Total)	0	0
	Area Factor (Wipe)	0	0

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Floor Area					150	
Tables & Benches					<100	

	Range Surface	(c/m) Wipe	Weighting Factor				
Class 0	*	–	0	Total ft²			
Class I	500-2000	100-500	1				
Class II	2000-10,000	500-2000	5				
Class III	> 10,000	> 2000	20				
			Grand Total (ft²)				

13-7 P.A.L.

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

JW

ALPHA CONTAMINATION AUDIT REPORT (3024)

Location K-1030 Elec. Maint Lunch Room Date 6-8-61

Supervisor in Charge L. Mathews. Total Work Area 225. ft^2

Operations in Progress None.

Protective Measures in Force —

SUMMARY:

ALPHA CONTAMINATION		This Survey	Last Survey
	Index	0	0
	Area Factor (Total)	0	0
	Area Factor (Wipe)	0	0

SPECIFIC LOCATION	Area (ft^2) and Class of Contamination: Surface		Wipe		Maximum Reading (c/m): Surface	Wipe
Floor					150	<100
Table & Benches					<100	<100
Chairs					300	<100

	Range Surface	(c/m) Wipe	Weighting Factor				
Class 0	*	–	0	Total ft^2			347 P.A.L.
Class I	500-2000	100-500	1				
Class II	2000-10,000	500-2000	5				
Class III	> 10,000	> 2000	20				
			Grand Total (ft^2)				

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

JAN ① Office
② Filed

ALPHA CONTAMINATION AUDIT REPORT

:ation K-1030 Electrical Maint Lunch Room (3026) Date 3-10-61
Supervisor in Charge Mathews. Total Work Area ~~360~~ 225 ft²
Operations in Progress

Protective Measures in Force

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	0.0	0.0
	Area Factor (Total)	0.0	0.0
	Area Factor (Wipe)	0.0	0.0

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Floor Area	—	—	—	—	150	<100

	Range Surface	(c/m) Wipe	Weighting Factor				
Class 0	*	–	0	Total ft²	—	—	~~α + β < PAL~~
Class I	500-2000	100-500	1		—	—	
Class II	2000-10,000	500-2000	5		—	—	
·ss III	> 10,000	> 2000	20		—	—	
				Grand Total (ft²)	—	—	

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

RADIATION MONITORIN .ND CONTROL REPORT

Division: Maintenance
Department: 4073
Location: K-1030 electrical shop

Date: 4-13-61
Checked by: B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft²	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft³)	Alpha Counts/min/ft³
floor area		200	<100							
equipment		250	<100	Pat						
				<						

Received 12 PM 4:03
Health Physics

Action Taken: 12 Checked & Pat radiation on hands, shoes, clothes
12 total Personnel Checked

(over)

Approved: J. L. Mathews
Operating Supervisor

DISTRIBUTION: 1st Copy - Radiation Hazards and Safety Department K-25RC
2nd Copy - Divisional Files

WCX-2191 (11-53) K-25RC Safety & Health Physics Section

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UCN - 2021 (1 9-60)

PAGE 1 OF 3

BUILDING (IBM 1-48)	LOCATION	DIVISION CODE (49-50)	LOCATION C (51-52)
K-1030	Electrical Communications Shop	01	11

AUDITED BY (SIGNATURE): J. L. Worthington

REVIEWED WITH (SIGNATURE): C. H. Sawyer

FIXED PROTECTION (Personal - Fire)

IBM	CLASS CODE (53 - 54)	NO. INSPECTED (55 - 58)	NO. SATISFACTORY (59 - 62)	DATE (63 - 7
	01	3	3	12-13

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIC
Automatic Sprinkler System	1		Fire Extinguishers	1	out side shop Extra
Emergency Exits	1		Protective Equip. Supply		
Emergency Station			P. A. System		
Evacuation Alarm			Safety Showers		
Eye Baths			Standpipes		
Fire Alarm Boxes			Other (Note in Remarks)	1	
Fire Doors					

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Damaged	10. Missing
2. Contents	11. Respiratory Equipment	2. Deteriorated	11. Not Labelled
3. Door	12. Rack	3. Dirty	12. Not Lighted
4. Fusible Link	13. Rollers	4. Improperly Stored	13. Not Posted
5. Hardware	14. Sprinkler Head	5. Inaccessible or Blocked	14. Out of Test Date
6. Hose	15. Stop Valve	6. Inadequate	15. Unsealed
7. Identification Light	16. Track	7. Inoperative	16. Other (Note in Remarks
8. Nozzle	17. Unit	8. Leaking	
9. Operating Instructions	18. Other	9. Location Not Indicated	

REMARKS: Suggest CO_2 extinguisher in shop.

ENVIRONMENTAL CONTROL

IBM	CLASS CODE (53 - 54)	NO. INSPECTED (55 - 58)	NO. SATISFACTORY (59 - 62)
	02	8	7

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION
Cleanliness, Orderliness	1		Radiation (Thermal)		
Disposal of Scrap; Waste	1	1 (6-3)	Radiation (Arc, Ionizing)		
Protection of Hazardous or Flammable Refuse	1		Traffic Control		
Storage — Material and Equipment	1		Illumination	1	
Storage — Compressed Gas Cylinders	2		Ventilation	1	
Vegetation Control			Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Creates Fire Hazard	10. Inadequate or Improper Ventilation Equipment	19. Not Properly Secured
2. Lunch Room	2. Dirty	11. Inadequate Warning Signs	20. Pedestrian Lanes Not Indicated
3. Office	3. Excessive Accumulation	12. Incorrect Lighting Fixtures	21. Poor Arrangement
4. Storage Area	4. Excessive Glare	13. Inoperative Equipment	22. Poorly Stacked
5. Washroom	5. Fire Lanes Blocked	14. Insufficient Illumination	23. Unsafe Method Used
6. Work Area	6. Inadequate Barricades	15. Materials Not Stored in Designated Areas	24. Wrong Type Container
	7. Inadequate Insulation	16. Material Protruding into Aisles	25. Special Hazards Not Marked
	8. Inadequate Sheilding	17. Metal Cap Missing	26. Ventilation Equipment Not Being Used
	9. Inadequate Traffic Markers	18. No Containers	27. Other (Note in Remarks)

REMARKS:

34-30 — 0-0

01 - Fixed Protection 02 - Environmental Control

UCN - 2021 (1 9-60)

PAGE 2 OF 2

WORK SURFACES	IBM	CLASS CODE 03 (53 - 54)	NO. INSPECTED 8 (55 - 58)	NO. SATISFACTORY 8 (59 - 62)

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON
Cat			Ladder (stationery)		
Exit	1		Platforms		
Floors	1		Scaffolds		
Furniture	6		Stairs		
Ladder (portable)			Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1 Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2 Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6 Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8 Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9 Foundation	20. Uprights	9. Missing	
10 Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11 Hinges		11. Not Well Illuminated	

REMARKS:

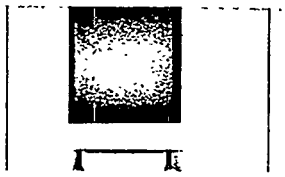
PIPING AND CONTAINERS	IBM	CLASS CODE 04 (53 - 54)	NO. INSPECTED 2 (55 - 58)	NO. SATISFACTORY 2 (59 - 62)

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITIO
Combustible Gas			Steam (Bld Ht.- Below 250 psig)	1	
Flammable Liquid			Steam (High Pressure - above - 250 psig)		
Toxic or Corrosive Liquid			Air	1	
Toxic or Corrosive Gas			Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Cleaning Tank	9. Insulation	1. Broken	9. Kinked
2. Controls	10. Pipe	2. Corroded	10. Leaking
3. Couplings	11. Regulators	3. Damaged	11. Missing
4. Metal Containers	12. Safety Devices	4. Deteriorated	12. Not Pinned
5. Glass Containers	13. Tubing	5. Inadequate	13. Not Properly Identified
6. Hose	14. Valves	6. Inadequate Pressure Rating	14. Not Sealed
7. Grounding	15. Vents	7. Incorrect	15. Not Shielded
8. Guards or Supports	16. Housing	8. Inoperative	16. Plugged
	17. Other (Note in Remarks)		17. Other (Note in Remarks)

REM

03 - Work Surfaces 04 - Piping and Containers



SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

ELECTRICAL	IBM	CLASS CODE 05	NO. INSPECTED 5	NO. SATISFACTOR 5
		53 - 54	55 - 58	59 - 62

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM - CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Corded Equipment	5	
Utilization Equipment		
Other (Note in Remarks)		
High Voltage Equipment (Above 480 Volts)		
Disconnects		
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Box Covers
3. Conduit
4. Connectors
5. Breaker
6. Grounds
7. Ground Mats
8. Identification
9. Inspection Date and Tag
10. Insulation
11. Plugs
12. Receptacles
13. Safety Switch
14. Switch
15. Warning Signs
16. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Does Not Meet Plant Specifications
6. Exposed Terminals
7. Missing
8. Not Provided
9. Ungrounded
10. Unguarded
11. Other (Note in Remarks)

REMARKS:

WORK PRACTICES	IBM	CLASS CODE ~~06~~	NO. INSPECTED	NO. SATISFACTOR
		53 - 54	55 - 58	59 - 62

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling			Use of Safe Atture		
Use of Tools		None Present	Use of Personnel Portective Devices		
Use and Maintenance of Machines & Equipment			Work Habits		
Use of Ionizing Radiation Sources					

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Use
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

05 - Electrical 06 - Work Practices

1 UC —

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS	IBM	CLASS CODE 07 (53 - 54)	NO. INSPECTED 4 (55 - 58)	NO. SATISFACTOR 1 (59 - 62)

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
El[illegible] owered		
Hand	4	1(7-8) 2(7-9)
Hydraulic		
Pneumatic Powered		
Powder Actuated		
Laboratory Glassware		

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Rem.
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES	IBM	CLASS CODE 08 (53 - 54)	NO. INSPECTED (55 - 58)	NO. SATISFACTO (59 - 62)

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITI
Conveyor			Power Truck		
Chain Hoist			Tractor		
Electric Hoist			Plant Railway		
Winch or Tugger			Skid		
Sling			Pallet		
Lifting Fixture			Bicycle		
Dolley			Bus		
Hand Truck			Passenger Car		
Wheelbarrow			Motor Truck		
Fork Truck			Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	9. Couplings	17. Fittings	25. Hitches	33. Runers
2. Bell	10. Crank	18. Forks	26. Hooks	34. Switches
3. Brakes	11. Crossing Signals	19. Frame	27. Horn	35. Ties
4. Bumping Post	12. Crossing Signs	20. Glass	28. Interlocks	36. Track
5. Cable	13. Dead Man Controls	21. Grounding Connection	29. Lights	37. Wheels
6. Chain	14. Deck	22. Guards	30. Limitswitches	38. Whistle
7. Clearance Markers	15. Dog	23. Handles	31. Road Bed	39. Other (Note in Remarks)
8. Controls	16. Exhaust	24. Handrails	32. Rope	

UNSATISFACTORY CONDITION

1. Broken	5. Damaged	9. Improperly Located	13. Maintenance	17. Other (Note in Remarks)
2. Construction	6. Deteriorated	10. Inadequate	14. Missing	
3. Corroded	7. Illegible	11. Inoperative	15. Overloaded	
4. Cracked	8. Improperly Adjusted	12. Kinked	16. Protruding Fastenings	

RE[illegible] :

07 - Hand and Portable Power Tools- 08 - Materials Handling Equiment - Vehicles

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

MACHINERY AND EQUIPMENT

IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTOR
	10	4	4
	53 - 54	55 - 58	59 - 62

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITI
Be' Pedestal Grinder	2		Press Brake		
Blower			Pulverizer		
Boring Mill			Pump		
Centrifuge			Saw (band - metal)		
Compressor			Saw (band - wood)		
Crusher			Saw (circular - metal)		
Diesels (stationary)			Saw (circular- -wood)		
Drill Press	1		Saw (jig)		
Fans			Saw (power - rip)		
Forming Rolls			Saw (radial)		
Gear Cutter			Saw (swing)		
Grinding Machine			Screw Machine		
Hobber			Shaper (metal)		
Jointer			Shaper (wood)		
Lathe (engine)			Shears		
Lathe (turret)	1		Slicer		
Lathe (woodworking)			Welding or Cutting Unit Oxyacetylene - Manual		
Mi			Welding or Cutting Unit Electric - Manual		
Paper Cutter			Welding or Cutting Unit Oxyacetylene - Automatic		
Planer (metal)			Welding or Cutting Unit Electric - Automatic		
Planer (wood)					
Power Press			Other (Note in Remarks)		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	12. Feed Device	23. Limit Stop	1. Broken	11. Rough
2. Blowpipe	13. Grounding	24. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (electrode)	14. Guard	25. Regulator	3. Defective	13. Valve Open
4. Cable (power)	15. Guard (belt)	26. Safety Device	4. Improperly Adjusted	14. Wrong Size or Type
5. Chip Screen	16. Guard (gears)	27. Screens	5. Improperly Located	15. Other (Note in Remarks)
6. Clamp or Vise	17. Guard (projecting stock)	28. Spindle	6. Improperly Secured	
7. Controls	18. Guard (splash)	29. Tool Rest	7. Inadequate	
8. Cylinder Cart	19. Guard (tool or die)	30. Torch	8. Inoperative	
9. Cylinder	20. Guard (wheel)	31. Wheel Dressing	9. Maintenance	
10. Dust Collector	21. Hose	32. Other (Note in Remarks)	10. Missing	
11. Flanges	22. Inspection Date and Tag			

REMARKS:

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

BUILDING (1-8 M)	LOCATION (1-48)	DIVISION CODE (49-50)	LOCATION CO (51-52)
K-1030	Electrical Test Shop	01	11

AUDITED BY (SIGNATURE): J. Worthington

REVIEWED WITH (SIGNATURE): [illegible]

FIXED PROTECTION (Personal - Fire) — IBM

CLASS CODE (53-54)	NO. INSPECTED (55-58)	NO. SATISFACTORY (59-62)	DATE (63-7)
01	4	4	12-13

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIO
Automatic Sprinkler System	1		Fire Extinguishers	2	
Emergency Exits	1		Protective Equip. Supply		
Emergency Station			P. A. System		
Evacuation Alarm			Safety Showers		
Eye Baths			Standpipes		
Fire Alarm Boxes			Other (Note in Remarks)		
Fire Doors					

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Damaged	10. Missing
2. Contents	11. Respiratory Equipment	2. Deteriorated	11. Not Labelled
3. Door	12. Rack	3. Dirty	12. Not Lighted
4. Fusible Link	13. Rollers	4. Improperly Stored	13. Not Posted
5. Hardware	14. Sprinkler Head	5. Inaccessible or Blocked	14. Out of Test Date
6. Hose	15. Stop Valve	6. Inadequate	15. Unsealed
7. Identification Light	16. Track	7. Inoperative	16. Other (Note in Remarks
8. Nozzle	17. Unit	8. Leaking	
9. Operating Instructions	18. Other	9. Location Not Indicated	

REMARKS:

ENVIRONMENTAL CONTROL — IBM

CLASS CODE (53-54)	NO. INSPECTED (55-58)	NO. SATISFACTORY (59-62)
02	6	6

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION
Cleanliness, Orderliness	1		Radiation (Thermal)		
Disposal of Scrap; Waste	1		Radiation (Arc, Ionizing)		
Protection of Hazardous or Flammable Refuse	1		Traffic Control		
Storage — Material and Equipment	1		Illumination	1	
Storage — Compressed Gas Cylinders			Ventilation	1	
Vegetation Control			Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Creates Fire Hazard	10. Inadequate or Improper Ventilation Equipment	19. Not Properly Secured
2. Lunch Room	2. Dirty	11. Inadequate Warning Signs	20. Pedestrian Lanes Not Indicated
3. Office	3. Excessive Accumulation	12. Incorrect Lighting Fixtures	21. Poor Arrangement
4. Storage Area	4. Excessive Glare	13. Inoperative Equipment	22. Poorly Stacked
5. Washroom	5. Fire Lanes Blocked	14. Insufficient Illumination	23. Unsafe Method Used
6. Work Area	6. Inadequate Barricades	15. Materials Not Stored in Designated Areas	24. Wrong Type Container
	7. Inadequate Insulation	16. Material Protruding into Aisles	25. Special Hazards Not Marked
	8. Inadequate Sheilding	17. Metal Cap Missing	26. Ventilation Equipment Not Being Used
	9. Inadequate Traffic Markers	18. No Containers	27. Other (Note in Remarks)

REMARKS:

56-55—0-0

01 - Fixed Protection 02 - Environmental Control

UCN - 2021 (1 9-60)

PAGE α OF ∪

WORK SURFACES	IBM	CLASS CODE 03 (53 - 54)	NO. INSPECTED 11 (55 - 58)	NO. SATISFACTORY 11 (59 - 62)

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON
Cat			Ladder (stationery)		
Exit			Platforms		
Floors	1		Scaffolds		
Furniture	8		Stairs		
Ladder (portable)	2		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

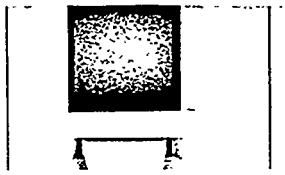
PIPING AND CONTAINERS	IBM	CLASS CODE 04 (53 - 54)	NO. INSPECTED 1 (55 - 58)	NO. SATISFACTORY 1 (59 - 62)

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITIO
Combustible Gas			Steam (Bld Ht.- Below 250 psig)	1	
Flammable Liquid			Steam (High Pressure - above - 250 psig)		
Toxic or Corrosive Liquid			Air		
Toxic or Corrosive Gas			Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Cleaning Tank	9. Insulation	1. Broken	9. Kinked
2. Controls	10. Pipe	2. Corroded	10. Leaking
3. Couplings	11. Regulators	3. Damaged	11. Missing
4. Metal Containers	12. Safety Devices	4. Deteriorated	12. Not Pinned
5. Glass Containers	13. Tubing	5. Inadequate	13. Not Properly Identified
6. Hose	14. Valves	6. Inadequate Pressure Rating	14. Not Sealed
7. Grounding	15. Vents	7. Incorrect	15. Not Shielded
8. Guards or Supports	16. Housing	8. Inoperative	16. Plugged
	17. Other (Note in Remarks)		17. Other (Note in Remarks)

REM

03 - Work Surfaces 04 - Piping and Containers



SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

ELECTRICAL	IBM	CLASS CODE 05	NO. INSPECTED 6	NO. SATISFACTOR 5
		53 - 54	55 - 58	59 - 62

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM - CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Corded Equipment	4	1·(9-7)
Utilization Equipment	2	
Other (Note in Remarks)		
High Voltage Equipment (Above 480 Volts)		
Disconnects		
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Box Covers
3. Conduit
4. Connectors
5. Breaker
6. Grounds
7. Ground Mats
8. Identification
9. Inspection Date and Tag
10. Insulation
11. Plugs
12. Receptacles
13. Safety Switch
14. Switch
15. Warning Signs
16. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Does Not Meet Plant Specifications
6. Exposed Terminals
7. Missing
8. Not Provided
9. Ungrounded
10. Unguarded
11. Other (Note in Remarks)

REMARKS:

WORK PRACTICES	IBM	CLASS CODE ~~06~~	NO. INSPECTED	NO. SATISFACTOR
		53 - 54	55 - 58	59 - 62

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling		None Present	Use of Safe Attire		
Use of Tools			Use of Personnel Portective Devices		
Use and Maintenance of Machines & Equipment			Work Habits		
Use of Ionizing Radiation Sources					

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Use
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

05 - Electrical 06 - Work Practices

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS	IBM	CLASS CODE 07 (53 - 54)	NO. INSPECTED 20 (55 - 58)	NO. SATISFACTOR 20 (59 - 62)

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Elt owered		
Hand	20	
Hydraulic		
Pneumatic Powered		
Powder Actuated		
Laboratory Glassware		

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Rem.
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES	IBM	CLASS CODE 08 (53 - 54)	NO. INSPECTED 3 (55 - 58)	NO. SATISFACTO 3 (59 - 62)

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITI
Conveyor			Power Truck		
Chain Hoist			Tractor		
Electric Hoist	1		Plant Railway		
Winch or Tugger			Skid		
Sling	2		Pallet		
Lifting Fixture			Bicycle		
Dolley			Bus		
Hand Truck			Passenger Car		
Wheelbarrow			Motor Truck		
Fork Truck			Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	9. Couplings	17. Fittings	25. Hitches	33. Runers
2. Bell	10. Crank	18. Forks	26. Hooks	34. Switches
3. Brakes	11. Crossing Signals	19. Frame	27. Horn	35. Ties
4. Bumping Post	12. Crossing Signs	20. Glass	28. Interlocks	36. Track
5. Cable	13. Dead Man Controls	21. Grounding Connection	29. Lights	37. Wheels
6. Chain	14. Deck	22. Guards	30. Limitswitches	38. Whistle
7. Clearance Markers	15. Dog	23. Handles	31. Road Bed	39. Other (Note in Remarks)
8. Controls	16. Exhaust	24. Handrails	32. Rope	

UNSATISFACTORY CONDITION

1. Broken	5. Damaged	9. Improperly Located	13. Maintenance	17. Other (Note in Remarks)
2. Construction	6. Deteriorated	10. Inadequate	14. Missing	
3. Corroded	7. Illegible	11. Inoperative	15. Overloaded	
4. Cracked	8. Improperly Adjusted	12. Kinked	16. Protruding Fastenings	

RE :

MACHINERY AND EQUIPMENT	IBM	CLASS CODE 10 (53 - 54)	NO. INSPECTED 5 (55 - 58)	NO. SATISFACTOR 5 (59 - 62)

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITI
Be Pedestal Grinder	1		Press Brake		
Blower			Pulverizer		
Boring Mill			Pump		
Centrifuge			Saw (band - metal)		
Compressor			Saw (band - wood)		
Crusher			Saw (circular - metal)		
Diesels (stationary)			Saw (circular- -wood)		
Drill Press	1		Saw (jig)		
Fans	3		Saw (power - rip)		
Forming Rolls			Saw (radial)		
Gear Cutter			Saw (swing)		
Grinding Machine			Screw Machine		
Hobber			Shaper (metal)		
Jointer			Shaper (wood)		
Lathe (engine)			Shears		
Lathe (turret)			Slicer		
Lathe (woodworking)			Welding or Cutting Unit Oxyacetylene - Manual		
M			Welding or Cutting Unit Electric - Manual		
Paper Cutter			Welding or Cutting Unit Oxyacetylene - Automatic		
Planer (metal)			Welding or Cutting Unit Electric - Automatic		
Planer (wood)					
Power Press			Other (Note in Remarks)		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	12. Feed Device	23. Limit Stop	1. Broken	11. Rough
2. Blowpipe	13. Grounding	24. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (electrode)	14. Guard	25. Regulator	3. Defective	13. Valve Open
4. Cable (power)	15. Guard (belt)	26. Safety Device	4. Improperly Adjusted	14. Wrong Size or Type
5. Chip Screen	16. Guard (gears)	27. Screens	5. Improperly Located	15. Other (Note in Remarks)
6. Clamp or Vise	17. Guard (projecting stock)	28. Spindle	6. Improperly Secured	
7. Controls	18. Guard (splash)	29. Tool Rest	7. Inadequate	
8. Cylinder Cart	19. Guard (tool or die)	30. Torch	8. Inoperative	
9. Cylinder	20. Guard (wheel)	31. Wheel Dressing	9. Maintenance	
10. Dust Collector	21. Hose	32. Other (Note in Remarks)	10. Missing	
11. Flanges	22. Inspection Date and Tag			

REMARKS:

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

PAGE 1 OF 5

BUILDING (1 B M)	LOCATION (1-45)	DIVISION CODE (49-50)	LOCATION C (51-52)
K-1030	Electrical Linemans Shop	01	11

AUDITED BY (SIGNATURE): J. Worthington

REVIEWED WITH (SIGNATURE): R H Newman

FIXED PROTECTION (Personal - Fire)	IBM	CLASS CODE (53 - 54)	NO. INSPECTED (55 - 58)	NO. SATISFACTORY (59 - 62)	DATE (63 - 7
		01	4	4	12-08-

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIC
Automatic Sprinkler System	2		Fire Extinguishers	1	
Emergency Exits	1		Protective Equip. Supply		
Emergency Station			P. A. System		
Evacuation Alarm			Safety Showers		
Eye Baths			Standpipes		
Fire Alarm Boxes			Other (Note in Remarks)		
Fire Doors					

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Damaged	10. Missing
2. Contents	11. Respiratory Equipment	2. Deteriorated	11. Not Labelled
3. Door	12. Rack	3. Dirty	12. Not Lighted
4. Fusible Link	13. Rollers	4. Improperly Stored	13. Not Posted
5. Hardware	14. Sprinkler Head	5. Inaccessible or Blocked	14. Out of Test Date
6. Hose	15. Stop Valve	6. Inadequate	15. Unsealed
7. Identification Light	16. Track	7. Inoperative	16. Other (Note in Remarks
8. Nozzle	17. Unit	8. Leaking	
9. Operating Instructions	18. Other	9. Location Not Indicated	

REMARKS:

ENVIRONMENTAL CONTROL	IBM	CLASS CODE (53 - 54)	NO. INSPECTED (55 - 58)	NO. SATISFACTORY (59 - 62)
		02	5	3

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION
Cleanliness, Orderliness	2	1(2-2)	Radiation (Thermal)		
Disposal of Scrap; Waste	1	1(6-3)	Radiation (Arc, Ionizing)		
Protection of Hazardous or Flammable Refuse			Traffic Control		
Storage — Material and Equipment			Illumination	1	
Storage — Compressed Gas Cylinders			Ventilation	1	
Vegetation Control			Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Creates Fire Hazard	10. Inadequate or Improper Ventilation Equipment	19. Not Properly Secured
2. Lunch Room	2. Dirty	11. Inadequate Warning Signs	20. Pedestrian Lanes Not Indicated
3. Office	3. Excessive Accumulation	12. Incorrect Lighting Fixtures	21. Poor Arrangement
4. Storage Area	4. Excessive Glare	13. Inoperative Equipment	22. Poorly Stacked
5. Washroom	5. Fire Lanes Blocked	14. Insufficient Illumination	23. Unsafe Method Used
6. Work Area	6. Inadequate Barricades	15. Materials Not Stored in Designated Areas	24. Wrong Type Container
	7. Inadequate Insulation	16. Material Protruding into Aisles	25. Special Hazards Not Marked
	8. Inadequate Sheilding	17. Metal Cap Missing	26. Ventilation Equipment Not Being Used
	9. Inadequate Traffic Markers	18. No Containers	27. Other (Note in Remarks)

REMARKS:

22-19—0-0

01 - Fixed Protection 02 - Environmental Control

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

WORK SURFACES	IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
		03	6	6
		53 - 54	55 - 58	59 - 62

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON
Cat.			Ladder (stationery)		
Exit	1		Platforms		
Floors	1		Scaffolds		
Furniture	4		Stairs		
Ladder (portable)			Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3 Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6 Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7 Extension Lock	18. Tread	7. Inoperative	18. Worn
8 Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

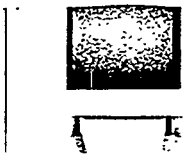
PIPING AND CONTAINERS	IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
		04	1	1
		53 - 54	55 - 58	59 - 62

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITIO
Combustible Gas			Steam (Bld Ht.- Below 250 psig)	1	
Flammable Liquid			Steam (High Pressure - above - 250 psig)		
Toxic or Corrosive Liquid			Air		
Toxic or Corrosive Gas			Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Cleaning Tank	9. Insulation	1. Broken	9. Kinked
2. Controls	10. Pipe	2. Corroded	10. Leaking
3. Couplings	11. Regulators	3. Damaged	11. Missing
4. Metal Containers	12. Safety Devices	4. Deteriorated	12. Not Pinned
5. Glass Containers	13. Tubing	5. Inadequate	13. Not Properly Identified
6. Hose	14. Valves	6. Inadequate Pressure Rating	14. Not Sealed
7. Grounding	15. Vents	7. Incorrect	15. Not Shielded
8. Guards or Supports	16. Housing	8. Inoperative	16. Plugged
	17. Other (Note in Remarks)		17. Other (Note in Remarks)

REM

03 - Work Surfaces 04 - Piping and Containers



SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

ELECTRICAL	IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTOR
		05	1	0
		53 - 54	55 - 58	59 - 62

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM - CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Corded Equipment		
Utilization Equipment	1	1(8-5)
Other (Note in Remarks)		
High Voltage Equipment (Above 480 Volts)		
Disconnects		
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Box Covers
3. Conduit
4. Connectors
5. Breaker
6. Grounds
7. Ground Mats
8. Identification
9. Inspection Date and Tag
10. Insulation
11. Plugs
12. Receptacles
13. Safety Switch
14. Switch
15. Warning Signs
16. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Does Not Meet Plant Specifications
6. Exposed Terminals
7. Missing
8. Not Provided
9. Ungrounded
10. Unguarded
11. Other (Note in Remarks)

REMARKS:

WORK PRACTICES	IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTOR
		06		
		53 - 54	55 - 58	59 - 62

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling			Use of Safe Attire		
Use of Tools		None present	Use of Personnel Portective Devices		
Use and Maintenance of Machines & Equipment			Work Habits		
Use of Ionizing Radiation Sources					

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Use
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

05 - Electrical 06 - Work Practices

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS	IBM	CLASS CODE 07	NO. INSPECTED	NO. SATISFACTOR
		53 - 54	55 - 58	59 - 62

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Ele[illegible]owered		
Hand		
Hydraulic		
Pneumatic Powered		
Powder Actuated		
Laboratory Glassware		

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Rema
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2 Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3 Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4 Dull	10 Handle Rough	16. Insulation Broken	22. Worn Jaws
5 Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES	IBM	CLASS CODE 08	NO. INSPECTED 2	NO. SATISFACTOR 2
		53 - 54	55 - 58	59 - 62

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITI
Conveyor			Power Truck		
Chain Hoist			Tractor		
Electric Hoist			Plant Railway		
Winch or Tugger			Skid		
Sling			Pallet		
Lifting Fixture			Bicycle	1	
Dolley	1		Bus		
Hand Truck			Passenger Car		
Wheelbarrow			Motor Truck		
Fork Truck			Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	9. Couplings	17. Fittings	25. Hitches	33. Runers
2. Bell	10. Crank	18. Forks	26. Hooks	34. Switches
3. Brakes	11. Crossing Signals	19. Frame	27. Horn	35. Ties
4. Bumping Post	12. Crossing Signs	20. Glass	28. Interlocks	36. Track
5. Cable	13. Dead Man Controls	21. Grounding Connection	29. Lights	37. Wheels
6. Chain	14. Deck	22. Guards	30. Limitswitches	38. Whistle
7. Clearance Markers	15. Dog	23. Handles	31. Road Bed	39. Other (Note in Remarks)
8. Controls	16. Exhaust	24. Handrails	32. Rope	

UNSATISFACTORY CONDITION

1. Broken	5. Damaged	9. Improperly Located	13. Maintenance	17. Other (Note in Remarks)
2. Construction	6. Deteriorated	10. Inadequate	14. Missing	
3. Corroded	7. Illegible	11. Inoperative	15. Overloaded	
4. Cracked	8. Improperly Adjusted	12. Kinked	16. Protruding Fastenings	

RE' :

07 - Hand and Portable Power Tools- 08 - Materials Handling Equiment - Vehicles

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

MACHINERY AND EQUIPMENT	IBM	CLASS CODE 10	NO. INSPECTED 3	NO. SATISFACTOR 3
		53 - 54	55 - 58	59 - 62

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITI
Bc Pedestal Grinder	/		Press Brake		
Blower			Pulverizer		
Boring Mill			Pump		
Centrifuge			Saw (band - metal)		
Compressor			Saw (band - wood)		
Crusher			Saw (circular - metal)		
Diesels (stationary)			Saw (circular- -wood)		
Drill Press	/		Saw (jig)		
Fans	/		Saw (power - rip)		
Forming Rolls			Saw (radial)		
Gear Cutter			Saw (swing)		
Grinding Machine			Screw Machine		
Hobber			Shaper (metal)		
Jointer			Shaper (wood)		
Lathe (engine)			Shears		
Lathe (turret)			Slicer		
Lathe (woodworking)			Welding or Cutting Unit Oxyacetylene - Manual		
M			Welding or Cutting Unit Electric - Manual		
Paper Cutter			Welding or Cutting Unit Oxyacetylene - Automatic		
Planer (metal)			Welding or Cutting Unit Electric - Automatic		
Planer (wood)					
Power Press			Other (Note in Remarks)		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	12. Feed Device	23. Limit Stop	1. Broken	11. Rough
2. Blowpipe	13. Grounding	24. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (electrode)	14. Guard	25. Regulator	3. Defective	13. Valve Open
4. Cable (power)	15. Guard (belt)	26. Safety Device	4. Improperly Adjusted	14. Wrong Size or Type
5. Chip Screen	16. Guard (gears)	27. Screens	5. Improperly Located	15. Other (Note in Remarks)
6. Clamp or Vise	17. Guard (projecting stock)	28. Spindle	6. Improperly Secured	
7. Controls	18. Guard (splash)	29. Tool Rest	7. Inadequate	
8. Cylinder Cart	19. Guard (tool or die)	30. Torch	8. Inoperative	
9. Cylinder	20. Guard (wheel)	31. Wheel Dressing	9. Maintenance	
10. Dust Collector	21. Hose	32. Other (Note in Remarks)	10. Missing	
11. Flanges	22. Inspection Date and Tag			

REMARKS:

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

Jan Cyrem
Records file

Page 1 of ____

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01030	Electrical Test Shops	01	11	01	5	5	5-19
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto. Sprinkler System	—		Fire Extinguishers	///	
Emergency Exits	—		Protective Equip. Supply	//	
Emergency Station	—		P. A. System	—	
Evacuation Alarm	—		Safety Showers	—	
Eye Baths	—		Standpipes	—	
Fire Alarm Boxes	—		Other *(Note in Remarks)*	—	
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other *(Note in Remarks)*
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILD.	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO SATISFACTORY	DATE
01030	Electrical Test Shops	01	11	02	14	14	5-19-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	///		Radiating Surfaces	—	
Illumination	///		Traffic Control	//	
Material Containment	////		Ventilation	//	
Radiation	—		Other *(Note in Remarks)*	—	

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Area
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other *(Note in Remarks)*
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

64-55 4-4

AUDITED BY (SIGNATURE) H C Wiskell

REVIEWED WITH (SIGNATURE)

01 - Fixed Protection
02 - Environmental Control

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01030	Electrical Test Shops	01	11	03	13	13	5-19-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED		NO. UNSATISFACTORY (PART - REASON)
Catw	—		Ladder (stationery)	—	
Exit	//		Platforms	—	
Floors	///		Scaffolds	—	
Furniture	~~////~~		Stairs	/	
Ladder (portable)	//		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
				04			
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine			Steam (Bldg Ht - Below 15 psig)		
Hydrofluoric Acid			Steam (Low Pressure - 15 - 250 psig)		
Natural Gas			Steam (High Pressure - above 250 psig)		
Pyrofax			Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE)	REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01030	Electrical Test Shops	01	11	05	12	9	5-19
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEMS INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low e Equipment (Below 480 Volts)		
Corded Equipment	~~1~~ 111	3 (8-5) *
Utilization Equipment	111	
High Voltage Equipment (Above 480 Volts)		
Disconnects	—	
Rotating Equipment	—	
Other (Note in Remarks)	—	

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
5. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

* Extension Cords

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01030	Electrical Test Shops	01	11	06	4	4	5-19-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	—		Use of Safe Attire	1	
Use of Tools	1		Use of Personnel Protective Devices	1	
Use and Maintenance of Machines & Equipment	—		Work Habits	1	
Use of Ionizing Radiation Sources	—				

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel Enclosure, when Unsafe Because of Temperatu Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

AUDITED BY (SIGNATURE)	REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01030	Electrical Test Shops	01	11	07	6	6	5-19-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE OF TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND-CONDITION)
Elect. Powered	//	
Hand	////	
Hydraulic	—	
Pneumatic Powered	—	
Powder Actuated	—	

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remc
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01030	Electrical Test Shops	01	11	08	5	5	5-19-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITIO
Conveyor	—		Power Truck	—	
Chain Hoist	—		Tractor	—	
Electric Hoist	/		Plant Railway	—	
Winch or Tugger	—		Skid	—	
Sling	/		Pallet	—	
Lifting Fixture	—		Bicycle	—	
Dolley	/		Bus	—	
Handtruck	—		Passenger Car	—	
Wheelbarrow	—		Motor Truck	—	
Fork Truck	—		Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Crossing Signals	25. Hitches	39. Other (Note in Remarks)
12. Cr[illegible] Signs	26. Hooks	
13. D[illegible]n Control Deck	27. Horn	
	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01030	Electrical Test Shops	01	11	09	3	2	5-19
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITI
Acet ank	—		Freon Tank	—	
Air Receivers	—		HF Tank	—	
Boilers	—		UF_6 Containers	—	
Compressed Gas Cylinders	///	1 (3-10)*	Water Storage Heaters	—	
Fluorine Tank	—		Other (Note in Remarks)		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other (Note in Remarks)
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other (Note in Remarks)	7. Incorrect	14. Not Shielded	

REMARKS:

* Cylinder regulator valve + connections have been tagged by mechanical inspection as being in a leaking condition

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01030	Electrical Test Shops	01	11	10	8	7	
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIO
Auto. .c Arc Cutting Unit	—		Oxygen-Arc Cutting Unit	—	
Automatic Arc Welding Unit	—		Paper Cutter	—	
Bench or Pedestal Grinder	//		Planer (metal)	—	
Blower	—		Planer (wood)	—	
Boring Mill	—		Power Press	—	
Centrifuge	—		Press Brake	—	
Compressor	—		Pulverizer	—	
Crusher	—		Pump	—	
Diesels (stationary)	—		Saw (band - metal)	—	
Drill Press	//		Saw (band - wood)	—	
Fans	////	1 (18 — 7)*	Saw (circular - metal)	—	
Forming Rolls	—		Saw (circular - wood)	—	
Gear Cutter	—		Saw (jig)	—	
Grinding Machine	—		Saw (power - rip)	—	
Hobber	—		Saw (radial)	—	
Jointer	—		Saw (swing)	—	
Lathe (engine)	—		Screw Machine	—	
Lat ret)	—		Shaper (metal)	—	
Lathe (woodworking)	—		Shaper (wood)	—	
Manual Arc Cutting Unit	—		Shears	—	
Manual Arc Welding Unit	—		Slicer	—	
Mixer	—		Other *(Note in Remarks)*		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other *(Note in Remarks)*
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other *(Note in Remarks)*	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:
Needs ½" mesh hardware cloth over present guard.

AUDITED BY (SIGNATURE) H E Marshall

REVIEWED WITH (SIGNATURE) [illegible]

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

JW

Page 1 of ____

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01030	Electrical Maint. Shop	01	11	01	2	2	5-18
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITIO
Auto Sprinkler System	—		Fire Extinguishers	11	
Emergency Exits	—		Protective Equip. Supply	—	
Emergency Station	—		P. A. System	—	
Evacuation Alarm	—		Safety Showers	—	
Eye Baths	—		Standpipes	—	
Fire Alarm Boxes	—		Other *(Note in Remarks)*	—	
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Poste
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other *(Note in Remarks)*
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILD	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO SATISFACTORY	DATE
01030	Electrical Maint. Shop	01	11	02	8	7	5-18-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	111	1 (6-2-8)	Radiating Surfaces	—	
Illumination	11		Traffic Control	—	
Material Containment	11		Ventilation	1	
Radiation	—		Other *(Note in Remarks)*		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Are
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other *(Note in Remarks)*
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

-164-

4-2-33 8/8

AUDITED BY (SIGNATURE) H E Marshall

REVIEWED WITH (SIGNATURE) L. L. Mathews

01 - Fixed Protection
02 - Environmental Control

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01030	Electrical Maint. Shop	01	11	03	9	9	5-18-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED		NO. UNSATISFACTORY (PART - REASON
Catw.	—		Ladder (stationery)	—	
Exit	11		Platforms	1	
Floors	11		Scaffolds	—	
Furniture	11		Stairs	—	
Ladder (portable)	11		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
				04			
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION
Fluorine			Steam (Bldg Ht - Below 15 psig)		
Hydrofluoric Acid			Steam (Low Pressure - 15 - 250 psig)		
Natural Gas			Steam (High Pressure - above 250 psig)		
Pyrofax			Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01030	Electrical Maint. Shop	01	11	05	8	2	5-18-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Corded Equipment	~~IIII~~	5(8-5)
Utilization Equipment	III	1(7-5)
High Voltage Equipment (Above 480 Volts)		
Disconnects	—	
Rotating Equipment	—	
Other *(Note in Remarks)*	—	

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other *(Note in Remarks)*

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
5. Does Not Meet Plant Specification
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01030	Electrical Maint. Shop	01	11	06	8	8	5-18-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	—		Use of Safe Attire	//	
Use of Tools	//		Use of Personnel Protective Devices	//	
Use and Maintenance of Machines & Equipment	—		Work Habits	//	
Use of Ionizing Radiation Sources	—				

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel Enclosure, when Unsafe Because of Temperature Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01030	Electrical Maint. Shop	01	11	07	6	5	5-18-(
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYP[illegible]OL INSPECTED	NO.	NO. UNSATISFACTORY (KIND-CONDITION)
Elec[illegible] owered	1	1 (6-14)
Hand	1/4	
Hydraulic	—	
Pneumatic Powered	—	
Powder Actuated	—	

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other *(Note in Rema*
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other *(Note in Remarks)*
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01030	Electrical Maint. Shop	01	11	08	2	2	5-18-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Conveyor	—		Power Truck	—	
Chain Hoist	1		Tractor	—	
Electric Hoist	—		Plant Railway	—	
Winch or Tugger	—		Skid	—	
Sling	—		Pallet	—	
Lifting Fixture	—		Bicycle	—	
Dolley	1		Bus	—	
Handtruck	—		Passenger Car	—	
Wheelbarrow	—		Motor Truck	—	
Fork Truck	—		Other *(Note in Remarks)*		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Crossing Signals	25. Hitches	39. Other *(Note in Remarks)*
12. C[illegible] Signs	26. Hooks	
13. [illegible]n Control	27. Horn	
[illegible]. Dec[illegible]	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other *(Note in Remarks)*
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01030	Electrical Maint. Shop	01	11	10	7	6	5-18-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIO
Auto. ..c Arc Cutting Unit	—		Oxygen-Arc Cutting Unit	—	
Automatic Arc Welding Unit	—		Paper Cutter	—	
Bench or Pedestal Grinder	11	1-(26-10)	Planer (metal)	—	
Blower	—		Planer (wood)	—	
Boring Mill	—		Power Press	—	
Centrifuge	—		Press Brake	—	
Compressor	—		Pulverizer	—	
Crusher	—		Pump	—	
Diesels (stationary)	—		Saw (band - metal)	11	
Drill Press	1		Saw (band - wood)	—	
Fans	1		Saw (circular - metal)	—	
Forming Rolls	—		Saw (circular - wood)	—	
Gear Cutter	—		Saw (jig)	—	
Grinding Machine	—		Saw (power - rip)	—	
Hobber	—		Saw (radial)	—	
Jointer	—		Saw (swing)	—	
Lathe (engine)	—		~~Screw Machine~~ threading Machine	1	
Lat ...ret)	—		Shaper (metal)	—	
Lathe (woodworking)	—		Shaper (wood)	—	
Manual Arc Cutting Unit	—		Shears	—	
Manual Arc Welding Unit	—		Slicer	—	
Mixer	—		Other (Note in Remarks)		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

AUDITED BY (SIGNATURE) H. Marshall

REVIEWED WITH (SIGNATURE) J. L. Mathews

SAFETY AUDIT REPORT 2. hrs

UCN-2021 (1 9-60)

FIXED PROTECTION (Personnel - Fire) JW

Page 1 of ____

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01030	Communications Shop	01	11	01	1	1	3-3-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Autom. Sprinkler System	—		Fire Extinguishers	1	
Emergency Exits	—		Protective Equip. Supply	—	
Emergency Station	—		P. A. System	—	
Evacuation Alarm	—		Safety Showers	—	
Eye Baths	—		Standpipes	—	
Fire Alarm Boxes	—		Other (Note in Remarks)	—	
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Poste
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01030	Communications Shop	01	11	02	6	4	3-3-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	11	1(6-8)	Radiating Surfaces	—	
Illumination	1		Traffic Control	—	
Material Containment	11	1(6-8)	Ventilation	1	
Radiation	—		Other (Note in Remarks)	—	

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Are
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

Regs overflowing container - no cover.
storage of material has improved a great deal.

AUDITED BY (SIGNATURE) H E Marshall

REVIEWED WITH (SIGNATURE) [illegible]

3.5/31 0-0

01 - Fixed Protection
02 - Environmental Control

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01030	Communications Shop	01	11	03	5	5	3-3-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Catwalks	—		Ladder (stationery)	—	
Exit	11		Platforms	—	
Floors	1		Scaffolds	—	
Furniture	11		Stairs	—	
Ladder (portable)	—		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01030	Communications Shop	01	11	04	1	0	
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine	—		Steam (Bldg Ht - Below 15 psig)	1	1 (17*-11)
Hydrofluoric Acid	—		Steam (Low Pressure - 15-250 psig)	—	
Natural Gas	—		Steam (High Pressure - above 250 psig)	—	
Pyrofax	—		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

Valve on Steam radiator is leaking.

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01030	Communications Shop	01	11	05	8	8	3-3-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Corded Equipment	11	
Utilization Equipment	11	
High Voltage Equipment (Above 480 Volts)		
Disconnects	—	
Rotating Equipment	—	
Other *(Note in Remarks)*	—	

ITEMS UNSATISFACTORY

1. Boxes	9. Insulation
2. Conduit	10. Plugs
3. Connectors	11. Receptacles
4. Breaker	12. Safety Switch
5. Grounds	13. Switch
6. Ground Mats	14. Warning Signs
7. Identification	15. Other *(Note in Remarks)*
8. Inspection Date and Tag	

UNSATISFACTORY CONDITION

1. Broken	5. Does Not Meet Plant Specifications
2. Cracked	7. Not Provided
3. Damaged	8. Ungrounded
4. Deteriorated	9. Unguarded
5. Identification	

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
				06			
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling			Use of Safe Attire		
Use of Tools			Use of Personnel Protective Devices		
Use and Maintenance of Machines & Equipment			Work Habits		
Use of Ionizing Radiation Sources					

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees	11. Machine Left Running Unattended	21. Work Permit Issued to Allow Entrance to Vessel Enclosure, when Unsafe Because of Temperatu Gases or Electric Hazards
2. Failed to Use Crane Hand Signals	12. Operating With Safety Device Removed	22. Entrance Made (Under Unsafe Act No. 21)
3. Failed to Use Warning Device	13. Incorrect Safety Device Used	23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
4. Regularly Used Limit Switch to Stop Motion	14. Operating With Safety Device Improperly Adjusted	24. Film Badge Not Worn
5. Materials Stored, Mixed, or Combined to Create a Hazard	15. Respiratory Protection Not Worn	25. Eye Protection Not Worn
6. Flammables Handled in Unapproved Safety Can	16. Improper Respiratory Protection Worn	26. Improper Eye Protection
7. Incorrect Tool Used	17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling	27. Hard Hats Not Worn
8. Unsafe Tool Used	18. Working on Equipment Not Secured Against Unexpected Operation	28. Gloves Not Worn
9. Tool Used Improperly	19. Passenger Permitted to Ride in Unsafe Manner	29. Smoking in Posted Areas
10. Machine Operated at Unsafe Speed	20. Operable Radiation Survey Meter Not at Job Site	30. Eating in Posted Areas

REMARKS: None Observed.

AUDITED BY (SIGNATURE)	REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01030	Communications Shop	01	11	07	6	6	3-3-c
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE OF TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered	—	
Hand	THU 1	
Hydraulic	—	
Pneumatic Powered	—	
Powder Actuated	—	

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other *(Note in Remc*
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other *(Note in Remarks)*
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
				08			
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIO
Conveyor			Power Truck		
Chain Hoist			Tractor		
Electric Hoist			Plant Railway		
Winch or Tugger			Skid		
Sling			Pallet		
Lifting Fixture			Bicycle		
Dolley			Bus		
Handtruck			Passenger Car		
Wheelbarrow			Motor Truck		
Fork Truck			Other *(Note in Remarks)*		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Cr[illegible]g Signals	25. Hitches	39. Other *(Note in Remarks)*
12. C[illegible] Signs	26. Hooks	
13. De[illegible]n Control	27. Horn	
14. Deck	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other *(Note in Remarks)*
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
91030	Communications Shop	01	11	09	2	2	3-3-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIO
Acetone Tank	—		Freon Tank	—	
Air Receivers	—		HF Tank	—	
Boilers	—		UF_6 Containers	—	
Compressed Gas Cylinders	11		Water Storage Heaters	—	
Fluorine Tank	—		Other *(Note in Remarks)*	—	

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other *(Note in Remarks)*
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other *(Note in Remarks)*	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01030	Communications Shop	01	11	10	10	5	3-3-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Automatic Arc Cutting Unit	—		Oxygen-Arc Cutting Unit	—	
Automatic Arc Welding Unit	—		Paper Cutter	—	
Bench or Pedestal Grinder	11		Planer (metal)	—	
Blower	—		Planer (wood)	—	
Boring Mill	—		Power Press	—	
Centrifuge	—		Press Brake	—	
Compressor	—		Pulverizer	—	
Crusher	—		Pump	—	
Diesels (stationary)	—		Saw (band - metal)	—	
Drill Press	1		Saw (band - wood)	—	
Fans	2	1(20-10)	Saw (circular - metal)	—	
Forming Rolls	—		Saw (circular - wood)	—	
Gear Cutter	—		Saw (jig)	—	
Grinding Machine	—		Saw (power - rip)	—	
Hobber	—		Saw (radial)	—	
Jointer	—		Saw (swing)	—	
Lath[illegible]ine)	1		Screw Machine	—	
Lath[illegible]ret)	—		Shaper (metal)	—	
Lathe (woodworking)	—		Shaper (wood)	—	
Manual Arc Cutting Unit	—		Shears	—	
Manual Arc Welding Unit	—		Slicer	—	
Mixer	—		Other *(Note in Remarks)*		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other *(Note in Remarks)*
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other *(Note in Remarks)*	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

AUDITED BY (SIGNATURE) HE Marshall

REVIEWED WITH (SIGNATURE) [illegible]

10 - Machinery and

SAF AUDIT REPORT 2.5 hrs

UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

Page 1 of ____

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01030	Electrical Test Shop.	01	11	01	9	9	3-1-61
IBM 5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auton. Sprinkler System	—		Fire Extinguishers	////1	
Emergency Exits	—		Protective Equip. Supply	///	
Emergency Station	—		P. A. System	—	
Evacuation Alarm	—		Safety Showers	—	
Eye Baths	—		Standpipes	—	
Fire Alarm Boxes	—		Other (Note in Remarks)	—	
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01030	Electrical Test Shops	01	11	02	10	10	
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	//		Radiating Surfaces	—	
Illumination	//		Traffic Control	—	
Material Containment	////		Ventilation	//	
Radiation	—		Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Area
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

AUDITED BY (SIGNATURE) H E Marshall

REVIEWED WITH (SIGNATURE) R Stanger 5-8-53 A.C.

01 - Fixed Protection
02 - Environmental Control

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01030	Electrical Test Shops	01	11	03	13	13	3-1-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART-REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART-REASON)
Catwalks	—		Ladder (stationery)	—	
Exit	///		Platforms	—	
Floors	//		Scaffolds	—	
Furniture	///		Stairs	—	
Ladder (portable)	///		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01030	Electrical Test Shops	01	11	04	2	2	
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART-CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Fluorine	—		Steam (Bldg Ht - Below 15 psig)	—	
Hydrofluoric Acid	—		Steam (Low Pressure - 15-250 psig)	—	
Natural Gas	—		Steam (High Pressure - above 250 psig)	—	
Pyrofax	//		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
71030	Electrical Test Shops	01	11	05	9	6	3-1-6,
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

IT NSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low V ge Equipment (Below 480 Volts)	—	
Corded Equipment	~~1~~ 11	3 (8-6)
Utilization Equipment	111	
High Voltage Equipment (Above 480 Volts)	—	
Disconnects	—	
Rotating Equipment	—	
Other (Note in Remarks)	—	

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
6. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS: Extension cords, Fans and other equipment in both shops have Not been currently inspected.

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01030	Electrical Test Shops	01	11	06	4	4	3-1-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	—		Use of Safe Attire	1	
Use of Tools	1		Use of Personnel Protective Devices	1	*
Use and Maintenance of Machines & Equipment	—		Work Habits	1	
Use of Ionizing Radiation Sources	—				

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel c Enclosure, when Unsafe Because of Temperatu Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS: * A face shield should be made readily available near the essured air hose

AUDITED BY (SIGNATURE)

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SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01030	Electrical Test Shops	01	11	07	6	6	3-1-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE OF TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered	—	
Hand	////1	
Hydraulic	—	
Pneumatic Powered	—	
Powder Actuated	—	

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remc
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01030	Electrical Test Shops	01	11	08	3	3	3-1-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor	—		Power Truck	—	
Chain Hoist	—		Tractor	—	
Electric Hoist	1		Plant Railway	—	
Winch or Tugger	—		Skid	—	
Sling	—		Pallet	—	
Lifting Fixture	—		Bicycle	1	
Dolley	1		Bus	—	
Handtruck	—		Passenger Car	—	
Wheelbarrow	—		Motor Truck	—	
Fork Truck	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Cr g Signals	25. Hitches	39. Other (Note in Remarks)
12. C ı Signs	26. Hooks	
13. De ɔn Control	27. Horn	
14. Deck	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

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REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
91030	Electrical Test Shops	01	11	10	7	4	3-1-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Arc Cutting Unit	—		Oxygen-Arc Cutting Unit	—	
Automatic Arc Welding Unit	—		Paper Cutter	—	
Bench or Pedestal Grinder	11	1 (26-5) *	Planer (metal)	—	
Blower	—		Planer (wood)	—	
Boring Mill	—		Power Press	—	
Centrifuge	—		Press Brake	—	
Compressor	—		Pulverizer	—	
Crusher	—		Pump	—	
Diesels (stationary)	—		Saw (band - metal)	—	
Drill Press	11		Saw (band - wood)	—	
Fans	111	2 (20-10)	Saw (circular - metal)	—	
Forming Rolls	—		Saw (circular - wood)	—	
Gear Cutter	—		Saw (jig)	—	
Grinding Machine	—		Saw (power - rip)	—	
Hobber	—		Saw (radial)	—	
Jointer	—		Saw (swing)	—	
Lathe (engine)	—		Screw Machine	—	
Lathe (turret)	—		Shaper (metal)	—	
Lathe (woodworking)	—		Shaper (wood)	—	
Manual Arc Cutting Unit	—		Shears	—	
Manual Arc Welding Unit	—		Slicer	—	
Mixer	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:
* In protective equipment test shop.

AUDITED BY (SIGNATURE) H E Marshall

REVIEWED WITH (SIGNATURE) [illegible]

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

2 hrs

FIXED PROTECTION
(Personnel - Fire)

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01030	Electrical Maintenance Shop	01	11	01	3	3	2-28-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIO
Auton.. Sprinkler System	—		Fire Extinguishers	///	
Emergency Exits	—		Protective Equip. Supply	—	
Emergency Station	—		P. A. System	—	
Evacuation Alarm	—		Safety Showers	—	
Eye Baths	—		Standpipes	—	
Fire Alarm Boxes	—		Other (Note in Remarks)	—	
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated·
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Poste
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01030	Electrical Maintenance Shop	01	11	02	6	4	2-28-6.
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	/		Radiating Surfaces	—	
Illumination	/		Traffic Control	—	
Material Containment	///	1 (4-8) 1 (6-1)	Ventilation	/	
Radiation	—		Other (Note in Remarks)	—	

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Are
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:
Materials stacked on top of cabinets
Dirty gloves and rags on work bench.
1" overflowing from container

AUDITED BY (SIGNATURE) HE Marshall

REVIEWED WITH (SIGNATURE) J. L. Mathews 2-28-61

01 - Fixed Protection
02 - Environmental Control

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01030	Electrical Maintenance Shop	01	11	03	5	5	2-28-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Catwalks	—		Ladder (stationery)	—	
Exit	11		Platforms	—	
Floors	1		Scaffolds	—	
Furniture	1		Stairs	—	
Ladder (portable)	1		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01030	Electrical Maintenance Shop	01	11	04	1	1	2-28-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine	—		Steam (Bldg Ht - Below 15 psig)	—	
Hydrofluoric Acid	—		Steam (Low Pressure - 15-250 psig)	—	
Natural Gas	—		Steam (High Pressure - above 250 psig)	—	
Pyrofax	1		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01030	Electrical Maintenance Shop	01	11	05	8	2	2-28
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Corded Equipment	IIII	4 (8-6)
Utilization Equipment	IIII	1 (11-9) 1 (7-7)
High Voltage Equipment (Above 480 Volts)	—	
Disconnects	—	
Rotating Equipment	—	
Other (Note in Remarks)	—	

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
6. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
				06			
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling			Use of Safe Attire		
Use of Tools			Use of Personnel Protective Devices		
Use and Maintenance of Machines & Equipment			Work Habits		
Use of Ionizing Radiation Sources					

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
				07			
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND-CONDITION)
Electric Powered		
Hand		
Hydraulic		
Pneumatic Powered		
Powder Actuated		

UNSATISFACTORY TOOL		
1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remc
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01030	Electrical Maintenance Shop	01	11	08	3	2	2-28-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITIO
Conveyor	—		Power Truck	—	
Chain Hoist	11		Tractor	—	
Electric Hoist	—		Plant Railway	—	
Winch or Tugger	—		Skid	—	
Sling	—		Pallet	—	
Lifting Fixture	—		Bicycle	1	1 (39-14) *
Dolley	—		Bus	—	
Handtruck	—		Passenger Car	—	
Wheelbarrow	—		Motor Truck	—	
Fork Truck	—		Other (Note in Remarks)		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Access Ladders	15. Dog	29. Lights	1. Broken	15. Overloaded
2. Bell	16. Exhaust	30. Limitswitches	2. Construction	16. Protruding Fastenings
3. Brakes	17. Fittings	31. Road Bed	3. Corroded	17. Other (Note in Remarks)
4. Bumping Post	18. Forks	32. Rope	4. Cracked	
5. Cable	19. Frame	33. Runners	5. Damaged	
6. Chain	20. Glass	34. Switches	6. Deteriorated	
7. Clearance Markers	21. Grounding Connection	35. Ties	7. Illegible	
8. Controls	22. Guards	36. Track	8. Improperly Adjusted	
9. Couplings	23. Handles	37. Wheels	9. Improperly Located	
10. Crank	24. Handrails	38. Whistle	10. Inadequate	
11. C[illegible]g Signals	25. Hitches	39. Other (Note in Remarks)	11. Inoperative	
12. C[illegible]g Signs	26. Hooks		12. Kinked	
13. De[illegible]an Control	27. Horn		13. Maintenance	
14. Deck	28. Interlocks		14. Missing	

REMARKS:
* Tire Missing from wheel.

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AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01030	Electrical Maintenance Shop	01	11	09	2	2	2-28-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIC
Aceto... Tank	—		Freon Tank	—	
Air Receivers	—		HF Tank	—	
Boilers	—		UF_6 Containers	—	
Compressed Gas Cylinders	11		Water Storage Heaters	—	
Fluorine Tank	—		Other *(Note in Remarks)*		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other *(Note in Remarks)*
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other *(Note in Remarks)*	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01030	Electrical Maintenance Shop	01	11	10	6	5	2-28-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Arc Cutting Unit	—		Oxygen-Arc Cutting Unit	/	
Automatic Arc Welding Unit	—		Paper Cutter	—	
Bench or Pedestal Grinder	11	1 (26-10 / 18-10)	Planer (metal)	—	
Blower	—		Planer (wood)	—	
Boring Mill	—		Power Press	—	
Centrifuge	—		Press Brake	—	
Compressor	—		Pulverizer	—	
Crusher	—		Pump	—	
Diesels (stationary)	—		Saw (band - metal)	/	
Drill Press	/		Saw (band - wood)	—	
Fans	—		Saw (circular - metal)	—	
Forming Rolls	—		Saw (circular - wood)	—	
Gear Cutter	—		Saw (jig)	—	
Grinding Machine	—		Saw (power - rip)	—	
Hobber	—		Saw (radial)	—	
Jointer	—		Saw (swing)	—	
Lathe (engine)	—		Screw Machine	/	
Lathe (turret)	—		Shaper (metal)	—	
Lathe (woodworking)	—		Shaper (wood)	—	
Manual Arc Cutting Unit	—		Shears	—	
Manual Arc Welding Unit	—		Slicer	—	
Mixer	—		Other (Note in Remarks)		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

AUDITED BY (SIGNATURE) H E Marshall

REVIEWED WITH (SIGNATURE) J. L. Mathews

10 - Machinery and

SAFETY AUDIT REPORT 1½ hrs

UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01030	Linemans Shop	01	11	01	1	1	2-28-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITIO
Auto Sprinkler System	—		Fire Extinguishers	1	
Emergency Exits	—		Protective Equip. Supply	—	
Emergency Station	—		P. A. System	—	
Evacuation Alarm	—		Safety Showers	—	
Eye Baths	—		Standpipes	—	
Fire Alarm Boxes	—		Other (Note in Remarks)	—	
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Poste
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01030	Linemans Shop	01	11	02	7	6	2-28-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	111	1 (4-8)	Radiating Surfaces	—	
Illumination	11		Traffic Control	—	
Material Containment	1		Ventilation	1	
Radiation	—		Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Arec
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

AUDITED BY (SIGNATURE) H E Marshall

REVIEWED WITH (SIGNATURE) 2-29-61 John L Keeler

01 - Fixed Protection
02 - Environmental Control

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01030	Linemans Shop	01	11	03	5	5	2-28-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED		NO. UNSATISFACTORY (PART - REASON
Catw	—		Ladder (stationery)	—	
Exit	11		Platforms	—	
Floors	1		Scaffolds	—	
Furniture	11		Stairs	—	
Ladder (portable)	—		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
			11	04			
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION
Fluorine			Steam (Bldg Ht - Below 15 psig)		
Hydrofluoric Acid			Steam (Low Pressure - 15 - 250 psig)		
Natural Gas			Steam (High Pressure - above 250 psig)		
Pyrofax			Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE)	REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01030	Linemans Shop	01	11	05	6	3	2-21-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEMS INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)	—	
Corded Equipment	////	2 (8-6)
Utilization Equipment	//	1 (7-7)
High Voltage Equipment (Above 480 Volts)	—	
Disconnects	—	
Rotating Equipment	—	
Other (Note in Remarks)	—	

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
6. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
				06			
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling			Use of Safe Attire		
Use of Tools			Use of Personnel Protective Devices		
Use and Maintenance of Machines & Equipment			Work Habits		
Use of Ionizing Radiation Sources					

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01030	Linemans Shop	01	11	07	2	2	2-28-6,
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE OF TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electr. Powered	—	
Hand	11	
Hydraulic	—	
Pneumatic Powered	—	
Powder Actuated	—	

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Rema
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01030	Linemans Shop	01	11	08	1	0	2-28-6,
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor	—		Power Truck	—	
Chain Hoist	—		Tractor	—	
Electric Hoist	—		Plant Railway	—	
Winch or Tugger	—		Skid	—	
Sling	—		Pallet	—	
Lifting Fixture	—		Bicycle	—	
Dolley	—		Bus	—	
Handtruck	—		Passenger Car	—	
Wheelbarrow	—		Motor Truck	1	1(20-1)
Fork Truck	—		Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Crossing Signals	25. Hitches	39. Other (Note in Remarks)
12. C[illegible] Signs	26. Hooks	
13. D[illegible]n Control	27. Horn	
14. Deck	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE) H E Marshall

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01030	Hnemans Shop	01	11	10	4	4	2-28-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Arc Cutting Unit	—		Oxygen-Arc Cutting Unit	—	
Automatic Arc Welding Unit	—		Paper Cutter	—	
Bench or Pedestal Grinder	1		Planer (metal)	—	
Blower	—		Planer (wood)	—	
Boring Mill	—		Power Press	—	
Centrifuge	—		Press Brake	—	
Compressor	—		Pulverizer	—	
Crusher	—		Pump	—	
Diesels (stationary)	—		Saw (band - metal)	—	
Drill Press	1		Saw (band - wood)	—	
Fans	1		Saw (circular - metal)	—	
Forming Rolls	—		Saw (circular - wood)	—	
Gear Cutter	—		Saw (jig)	—	
Grinding Machine	—		Saw (power - rip)	—	
Hobber	—		Saw (radial)	—	
Jointer	—		Saw (swing)	—	
Lathe (engine)	—		Screw Machine	—	
Lathe (turret)	—		Shaper (metal)	—	
Lathe (woodworking)	—		Shaper (wood)	—	
Manual Arc Cutting Unit	—		Shears	—	
Manual Arc Welding Unit	—		Slicer	—	
Mixer	—		Other (Note in Remarks)	1	

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:
* Battery charger

AUDITED BY (SIGNATURE) H E Marshall

REVIEWED WITH (SIGNATURE) 2-24-61 [signature]

SAFETY AUDIT REPORT 2 hrs

UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

Page 1 of JW

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01030	Electrical Alterations Shop	01	11	01	3	3	2-28-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIO
Auto. Sprinkler System	—		Fire Extinguishers	///	
Emergency Exits	—		Protective Equip. Supply	—	
Emergency Station	—		P. A. System	—	
Evacuation Alarm	—		Safety Showers	—	
Eye Baths	—		Standpipes	—	
Fire Alarm Boxes	—		Other (Note in Remarks)	—	
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Poste
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01030	Electrical Alterations Shop	01	11	02	4	4	2-28-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	/		Radiating Surfaces	—	
Illumination	/		Traffic Control	—	
Material Containment	/		Ventilation	/	
Radiation	—		Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Are
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

24-22 6-5

AUDITED BY (SIGNATURE) H E Marshall

REVIEWED WITH (SIGNATURE) 2-28-61 John L Reeder

01 - Fixed Protection
02 - Environmental Control

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01030	Electrical Alterations Shop	01	11	03	3	3	2-28-2
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Catv.	—		Ladder (stationery)	—	
Exit	/		Platforms	—	
Floors	/		Scaffolds	—	
Furniture	/		Stairs	—	
Ladder (portable)	//		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01030	Electrical Alterations	01	11	04	2	2	2-28-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine	—		Steam (Bldg Ht - Below 15 psig)	//	
Hydrofluoric Acid	—		Steam (Low Pressure - 15-250 psig)	—	
Natural Gas	—		Steam (High Pressure - above 250 psig)	—	
Pyrofax	—		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE)	REVIEWED WITH (SIGNATURE)

03 - Work Surfaces
04 - Piping & Containers

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01030	Electrical Alterations Shop	01	11	05	6	4	2-28-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)	—	
Corded Equipment	///	
Utilization Equipment	///	2 (4-5)
High Voltage Equipment (Above 480 Volts)	—	
Disconnects	—	
Rotating Equipment	—	
Other (Note in Remarks)	—	

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
6. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01030	Electrical Alterations Shop	01	11	06	6	5	2-28-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	/		Use of Safe Attire	/	
Use of Tools	/		Use of Personnel Protective Devices	//	1 (28)
Use and Maintenance of Machines & Equipment	—		Work Habits	/	
Use of Ionizing Radiation Sources	—				

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS: Hand protection should be worn while handling equipment such as wire rope slings.

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REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01030	Electrical Alterations Shop	01	11	07	3	3	2-28-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE OF TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Elec. owered	—	
Hand	///	
Hydraulic	—	
Pneumatic Powered	—	
Powder Actuated	—	

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other *(Note in Remc*
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other *(Note in Remarks)*
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01030	Electrical Alterations Shop	01	11	08	2	2	2-28-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIO
Conveyor	—		Power Truck	—	
Chain Hoist	/		Tractor	—	
Electric Hoist	/		Plant Railway	—	
Winch or Tugger	—		Skid	—	
Sling	//		Pallet	—	
Lifting Fixture	—		Bicycle	—	
Dolley	—		Bus	—	
Handtruck	—		Passenger Car	—	
Wheelbarrow	—		Motor Truck	—	
Fork Truck	—		Other *(Note in Remarks)*		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Crossing Signals	25. Hitches	39. Other *(Note in Remarks)*
12. Cr 1 Signs	26. Hooks	
13. D n Control	27. Horn	
14. Dec..	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other *(Note in Remarks)*
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

07 - Power Tools

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1030	Electrical Alterations Shop	01	11	09	1	1	2-28-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITIC
Acet ank	—		Freon Tank	—	
Air Receivers	—		HF Tank	—	
Boilers	—		UF_6 Containers	—	
Compressed Gas Cylinders	—		Water Storage Heaters	1	
Fluorine Tank	—		Other *(Note in Remarks)*	—	

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other *(Note in Remarks)*
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other *(Note in Remarks)*	7. Incorrect	14. Not Shielded	

REMARKS:

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REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01030	Electrical Alterations Shop	01	11	10	6	5	2-28-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MA 'E INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIO
Autom...c Arc Cutting Unit	—		Oxygen-Arc Cutting Unit	—	
Automatic Arc Welding Unit	—		Paper Cutter	—	
Bench or Pedestal Grinder	11	1 (18,26)	Planer (metal)	—	
Blower	—		Planer (wood)	—	
Boring Mill	—		Power Press	—	
Centrifuge	—		Press Brake	—	
Compressor	—		Pulverizer	—	
Crusher	—		Pump	—	
Diesels (stationary)	—		Saw (band - metal)	1	
Drill Press	1		Saw (band - wood)	—	
Fans	1		Saw (circular - metal)	—	
Forming Rolls	—		Saw (circular - wood)	—	
Gear Cutter	—		Saw (jig)	—	
Grinding Machine	—		Saw (power - rip)	—	
Hobber	—		Saw (radial)	—	
Jointer	—		Saw (swing)	—	
Lathe (engine)	—		Screw Machine	—	
Lat. ret)	—		Shaper (metal)	—	
Lathe (woodworking)	—		Shaper (wood)	—	
Manual Arc Cutting Unit	—		Shears	—	
Manual Arc Welding Unit	1	1 (20)	Slicer	—	
Mixer	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

AUDITED BY (SIGNATURE) H E Marshall

REVIEWED WITH (SIGNATURE) [illegible]

SAFETY AUDIT REPORT
UCN - 2021 (1 9-60)

PAGE 1 OF 5

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE
K-1031	Maintenance Paint Shop + Storage	01	81
1 - 8 M	11-48	49-50	51-52

AUDITED BY (SIGNATURE): C. Worthington

REVIEWED WITH (SIGNATURE): [illegible]

FIXED PROTECTION (Personal - Fire)

ISM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
	01	5	5	12-18-
	53 - 54	55 - 58	59 - 62	63 - 7

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIC
Automatic Sprinkler System			Fire Extinguishers	3	
Emergency Exits	2		Protective Equip. Supply		
Emergency Station			P. A. System		
Evacuation Alarm			Safety Showers		
Eye Baths			Standpipes		
Fire Alarm Boxes			Other (Note in Remarks)		
Fire Doors					

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Damaged	10. Missing
2. Contents	11. Respiratory Equipment	2. Deteriorated	11. Not Labelled
3. Door	12. Rack	3. Dirty	12. Not Lighted
4. Fusible Link	13. Rollers	4. Improperly Stored	13. Not Posted
5. Hardware	14. Sprinkler Head	5. Inaccessible or Blocked	14. Out of Test Date
6. Hose	15. Stop Valve	6. Inadequate	15. Unsealed
7. Identification Light	16. Track	7. Inoperative	16. Other (Note in Remarks
8. Nozzle	17. Unit	8. Leaking	
9. Operating Instructions	18. Other	9. Location Not Indicated	

REMARKS:

ENVIRONMENTAL CONTROL

ISM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
	02	5	4
	53 - 54	55 - 58	59 - 62

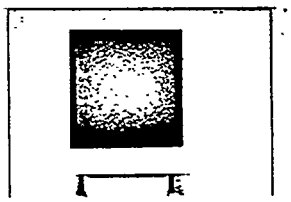
CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION
Cleanliness, Orderliness	1		Radiation (Thermal)		
Disposal of Scrap; Waste	1		Radiation (Arc, Ionizing)		
Protection of Hazardous or Flammable Refuse			Traffic Control		
Storage — Material and Equipment	1	1 (4-15) (4-16)	Illumination	1	
Storage — Compressed Gas Cylinders			Ventilation	1	
Vegetation Control			Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Creates Fire Hazard	10. Inadequate or Improper Ventilation Equipment	19. Not Properly Secured
2. Lunch Room	2. Dirty	11. Inadequate Warning Signs	20. Pedestrian Lanes Not Indicated
3. Office	3. Excessive Accumulation	12. Incorrect Lighting Fixtures	21. Poor Arrangement
4. Storage Area	4. Excessive Glare	13. Inoperative Equipment	22. Poorly Stacked
5. Washroom	5. Fire Lanes Blocked	14. Insufficient Illumination	23. Unsafe Method Used
6. Work Area	6. Inadequate Barricades	15. Materials Not Stored in Designated Areas	24. Wrong Type Container
	7. Inadequate Insulation	16. Material Protruding into Aisles	25. Special Hazards Not Marked
	8. Inadequate Sheilding	17. Metal Cap Missing	26. Ventilation Equipment Not Being Used
	9. Inadequate Traffic Markers	18. No Containers	27. Other (Note in Remarks)

REMARKS:

41 - 36 — 0 - 0

01 - Fixed Protection 02 - Environmental Control



UCN - 2021 (1 9-60)

WORK SURFACES	IBM	CLASS CODE 03 (53 - 54)	NO. INSPECTED 16 (55 - 58)	NO. SATISFACTORY 16 (59 - 62)

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Ca			Ladder (stationery)		
Exit	3		Platforms		
Floors	2		Scaffolds		
Furniture	1		Stairs		
Ladder (portable)	10		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4 Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

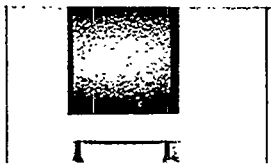
PIPING AND CONTAINERS	IBM	CLASS CODE 04 (53 - 54)	NO. INSPECTED 2 (55 - 58)	NO. SATISFACTORY 2 (59 - 62)

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Combustible Gas			Steam (Bld Ht.- Below 250 psig)		
Flammable Liquid	2		Steam (High Pressure - above - 250 psig)		
Toxic or Corrosive Liquid			Air		
Toxic or Corrosive Gas			Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Cleaning Tank	9. Insulation	1. Broken	9. Kinked
2. Controls	10. Pipe	2. Corroded	10. Leaking
3. Couplings	11. Regulators	3. Damaged	11. Missing
4. Metal Containers	12. Safety Devices	4. Deteriorated	12. Not Pinned
5. Glass Containers	13. Tubing	5. Inadequate	13. Not Properly Identified
6. Hose	14. Valves	6. Inadequate Pressure Rating	14. Not Sealed
7. Grounding	15. Vents	7. Incorrect	15. Not Shielded
8. Guards or Supports	16. Housing	8. Inoperative	16. Plugged
	17. Other (Note in Remarks)		17. Other (Note in Remarks)

REM

03 - Work Surfaces 04 - Piping and Containers



SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

ELECTRICAL	IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTOR
		05	7	4
		53 - 54	55 - 58	59 - 62

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM - CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Corded Equipment	4	3 (G-5)
Utilization Equipment	3	
Other (Note in Remarks)		
High Voltage Equipment (Above 480 Volts)		
Disconnects		
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Box Covers
3. Conduit
4. Connectors
5. Breaker
6. Grounds
7. Ground Mats
8. Identification
9. Inspection Date and Tag
10. Insulation
11. Plugs
12. Receptacles
13. Safety Switch
14. Switch
15. Warning Signs
16. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Does Not Meet Plant Specifications
6. Exposed Terminals
7. Missing
8. Not Provided
9. Ungrounded
10. Unguarded
11. Other (Note in Remarks)

REMARKS:

WORK PRACTICES	IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTOR
		06		
		53 - 54	55 - 58	59 - 62

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling		None Present	Use of Safe Attire		
Use of Tools			Use of Personnel Portective Devices		
Use and Maintenance of Machines & Equipment			Work Habits		
Use of Ionizing Radiation Sources					

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Use
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

05 - Electrical 06 - Work Practices

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS	IBM	CLASS CODE 07	NO. INSPECTED	NO. SATISFACTOR
		53 - 54	55 - 58	59 - 62

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
El owered		
Hand		
Hydraulic		
Pneumatic Powered		
Powder Actuated		
Laboratory Glassware		

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Rema
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3 Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES	IBM	CLASS CODE 08	NO. INSPECTED 4	NO. SATISFACTOR 4
		53 - 54	55 - 58	59 - 62

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITI
Conveyor			Power Truck		
Chain Hoist			Tractor		
Electric Hoist			Plant Railway		
Winch or Tugger			Skid		
Sling			Pallet		
Lifting Fixture			Bicycle		
Dolley	4		Bus		
Hand Truck			Passenger Car		
Wheelbarrow			Motor Truck		
Fork Truck			Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	9. Couplings	17. Fittings	25. Hitches	33. Runers
2 Bell	10. Crank	18. Forks	26. Hooks	34. Switches
3. Brakes	11. Crossing Signals	19. Frame	27. Horn	35. Ties
4. Bumping Post	12. Crossing Signs	20. Glass	28. Interlocks	36. Track
5. Cable	13. Dead Man Controls	21. Grounding Connection	29. Lights	37. Wheels
6. Chain	14. Deck	22. Guards	30. Limitswitches	38. Whistle
7. Clearance Markers	15. Dog	23. Handles	31. Road Bed	39. Other (Note in Remarks)
8. Controls	16. Exhaust	24. Handrails	32. Rope	

UNSATISFACTORY CONDITION

1. Broken	5. Damaged	9. Improperly Located	13. Maintenance	17. Other (Note in Remarks)
2. Construction	6. Deteriorated	10. Inadequate	14. Missing	
3. Corroded	7. Illegible	11. Inoperative	15. Overloaded	
4. Cracked	8. Improperly Adjusted	12. Kinked	16. Protruding Fastenings	

REI

07 - Hand and Portable Power Tools- 08 - Materials Handling Equiment - Vehicles

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

MACHINERY AND EQUIPMENT	IBM	CLASS CODE 10	NO. INSPECTED 2	NO. SATISFACTOR 1
		53 - 54	55 - 58	59 - 62

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITI
Be Pedestal Grinder			Press Brake		
Blower			Pulverizer		
Boring Mill			Pump		
Centrifuge			Saw (band - metal)		
Compressor	1		Saw (band - wood)		
Crusher			Saw (circular - metal)		
Diesels (stationary)			Saw (circular- -wood)		
Drill Press			Saw (jig)		
Fans	1	1(14-7)	Saw (power - rip)		
Forming Rolls			Saw (radial)		
Gear Cutter			Saw (swing)		
Grinding Machine			Screw Machine		
Hobber			Shaper (metal)		
Jointer			Shaper (wood)		
Lathe (engine)			Shears		
Lathe (turret)			Slicer		
Lathe (woodworking)			Welding or Cutting Unit Oxyacetylene - Manual		
M			Welding or Cutting Unit Electric - Manual		
Paper Cutter			Welding or Cutting Unit Oxyacetylene - Automatic		
Planer (metal)			Welding or Cutting Unit Electric - Automatic		
Planer (wood)					
Power Press			Other (Note in Remarks)		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	12. Feed Device	23. Limit Stop	1. Broken	11. Rough
2. Blowpipe	13. Grounding	24. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (electrode)	14. Guard	25. Regulator	3. Defective	13. Valve Open
4. Cable (power)	15. Guard (belt)	26. Safety Device	4. Improperly Adjusted	14. Wrong Size or Type
5. Chip Screen	16. Guard (gears)	27. Screens	5. Improperly Located	15. Other (Note in Remarks)
6. Clamp or Vise	17. Guard (projecting stock)	28. Spindle	6. Improperly Secured	
7. Controls	18. Guard (splash)	29. Tool Rest	7. Inadequate	
8. Cylinder Cart	19. Guard (tool or die)	30. Torch	8. Inoperative	
9. Cylinder	20. Guard (wheel)	31. Wheel Dressing	9. Maintenance	
10. Dust Collector	21. Hose	32. Other (Note in Remarks)	10. Missing	
11. Flanges	22. Inspection Date and Tag			

REMARKS:

1

10.—Machinery & Equipment

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

Page 1 of JW

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1031	Paint Shop + Storage	01	81	01	13	7	6-26-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Automatic Sprinkler System	0	No Sprinkler - not needed	11.1 Fire Extinguishers	10	1(1-6) 5(1-13)
Emergency Exits			Protective Equip. Supply	2	
Emergency Station			P. A. System		
Evacuation Alarm			Safety Showers		
Eye Baths			Standpipes		
Fire Alarm Boxes	1		Other (Note in Remarks)		
Fire Doors					

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO SATISFACTORY	DATE
K-1031	Paint Shop + Storage	01	81	02	15	13	6-26-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	4	1(4-8) 1(6-8)	Radiating Surfaces		
Illumination	2		Traffic Control		
Material Containment	7		Ventilation	2	
Radiation			Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Area
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

AUDITED BY (SIGNATURE) W. F. Ellis

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1031	Paint Shop + Storage	01	81	03	44	39	6-26-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Catwalks			Ladder (stationery)		
Exit	3		Platforms		
Floors	2		Scaffolds	2	
Furniture			Stairs		
Ladder (portable)	37	5 (13-1)	Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1031	Paint Shop + Storage	01	81	04	261	250	6-26
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine			Steam (Bldg Ht - Below 15 psig)		
Hydrofluoric Acid	5	1 (1-12)	Steam (Low Pressure - 15-250 psig)		
Safety cans Natural Gas	2	1 (10-12)	Steam (High Pressure - above 250 psig)		
~~Rotox~~ Paint	250	8 (5-14)	Air Other (Note in Remarks),	4	1 (4-13)

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums + containers	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS: Bin for Sand ?

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-331	Paint Shop + Storage	01	81	05	35	20	6-26-(
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEMS INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Corded Equipment	27	10(8-6) 2(9-3)
Utilization Equipment	4	
High Voltage Equipment (Above 480 Volts)		
Disconnects	4	3(7-6)
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
6. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
				06			
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling		
Use of Tools		
Use and Maintenance of Machines & Equipment		None Present
Use of Ionizing Radiation Sources		

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Use of Safe Attire		
Use of Personnel Protective Devices		
Work Habits		

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel Enclosure, when Unsafe Because of Temperatu Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

AUDITED BY (SIGNATURE) P. Foo.

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1031	Paint Shop + Storage	01	81	07	5	5	6-26-[illegible]
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE OF TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered		
Hand	5	
Hydraulic		
Pneumatic Powered		
Powder Actuated		

UNSATISFACTORY TOOL		
1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Rema
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION			
1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1031	Paint Shop + Storage	01	81	08	12	12	6-26-[illegible]
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor			Power Truck		
Chain Hoist			Tractor		
Electric Hoist			Plant Railway		
Winch or Tugger			Skid		
Sling	2		Pallet	4	
Lifting Fixture			Bicycle		
Dolley	5		Bus		
Handtruck	1		Passenger Car		
Wheelbarrow			Motor Truck		
Fork Truck			Other (Note in Remarks)		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Access Ladders	15. Dog	29. Lights	1. Broken	15. Overloaded
2. Bell	16. Exhaust	30. Limitswitches	2. Construction	16. Protruding Fastenings
3. Brakes	17. Fittings	31. Road Bed	3. Corroded	17. Other (Note in Remarks)
4. Bumping Post	18. Forks	32. Rope	4. Cracked	
5. Cable	19. Frame	33. Runners	5. Damaged	
6. Chain	20. Glass	34. Switches	6. Deteriorated	
7. Clearance Markers	21. Grounding Connection	35. Ties	7. Illegible	
8. Controls	22. Guards	36. Track	8. Improperly Adjusted	
9. Couplings	23. Handles	37. Wheels	9. Improperly Located	
10. Crank	24. Handrails	38. Whistle	10. Inadequate	
11. Cr[illegible]g Signals	25. Hitches	39. Other (Note in Remarks)	11. Inoperative	
12. C[illegible] Signs	26. Hooks		12. Kinked	
13. D[illegible]n Control	27. Horn		13. Maintenance	
. Deck	28. Interlocks		14. Missing	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-031	Paint Shop & Storage	01	81	09	1	1	6-21
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIC
Acet. . ank			Freon Tank		
Air Receivers	1		HF Tank		
Boilers			UF_6 Containers		
Compressed Gas Cylinders			Water Storage Heaters		
Fluorine Tank			Other *(Note in Remarks)*		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other *(Note in Remarks)*
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other *(Note in Remarks)*	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1031	Paint Shop + Storage	01	81	10	5	4	6-26
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIO
Automatic Arc Cutting Unit			Oxygen-Arc Cutting Unit		
Automatic Arc Welding Unit			Paper Cutter		
Bench or Pedestal Grinder			Planer (metal)		
Blower			Planer (wood)		
Boring Mill			Power Press		
Centrifuge			Press Brake		
Compressor	1		Pulverizer		
Crusher			Pump		
Diesels (stationary)			Saw (band - metal)		
Drill Press			Saw (band - wood)		
Fans	4	1 (18-7)	Saw (circular - metal)		
Forming Rolls			Saw (circular - wood)		
Gear Cutter			Saw (jig)		
Grinding Machine			Saw (power - rip)		
Hobber			Saw (radial)		
Jointer			Saw (swing)		
Lathe (engine)			Screw Machine		
Lathe (turret)			Shaper (metal)		
Lathe (woodworking)			Shaper (wood)		
Manual Arc Cutting Unit			Shears		
Manual Arc Welding Unit			Slicer		
Mixer			Other (Note in Remarks)		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) C. R. Abercrombie

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

BUILDING	LOCATION	DIVISION CODE	LOCATION CO
K-1037	CHEMICAL MAINTENANCE SHOP	01	61
1 B M	1-48	49-50	51-52

AUDITED BY (SIGNATURE): Neil B. Schutte

REVIEWED WITH (SIGNATURE): A. Stephens

FIXED PROTECTION (Personal - Fire)	IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
		01	6	6	11/28/
		53 - 54	55 - 58	59 - 62	63-7

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIO
Automatic Sprinkler System	/		Fire Extinguishers	2	
Emergency Exits	/		Protective Equip. Supply	/	
Emergency Station	—		P. A. System	/	
Evacuation Alarm	—		Safety Showers	—	
Eye Baths	—		Standpipes	—	
Fire Alarm Boxes	—		Other (Note in Remarks)	—	
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Damaged	10. Missing
2. Contents	11. Respiratory Equipment	2. Deteriorated	11. Not Labelled
3. Door	12. Rack	3. Dirty	12. Not Lighted
4. Fusible Link	13. Rollers	4. Improperly Stored	13. Not Posted
5. Hardware	14. Sprinkler Head	5. Inaccessible or Blocked	14. Out of Test Date
6. Hose	15. Stop Valve	6. Inadequate	15. Unsealed
7. Identification Light	16. Track	7. Inoperative	16. Other (Note in Remarks
8. Nozzle	17. Unit	8. Leaking	
9. Operating Instructions	18. Other	9. Location Not Indicated	

REMARKS:

ENVIRONMENTAL CONTROL	IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
		02	9	9
		53 - 54	55 - 58	59 - 62

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION
Cleanliness, Orderliness	/		Radiation (Thermal)	/	
Disposal of Scrap; Waste	/		Radiation (Arc, Ionizing)	—	
Protection of Hazardous or Flammable Refuse	/		Traffic Control	/	
Storage — Material and Equipment	/		Illumination	/	
Storage — Compressed Gas Cylinders	/		Ventilation	/	
Vegetation Control	—		Other (Note in Remarks)	—	

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Creates Fire Hazard	10. Inadequate or Improper Ventilation Equipment	19. Not Properly Secured
2. Lunch Room	2. Dirty	11. Inadequate Warning Signs	20. Pedestrian Lanes Not Indicated
3. Office	3. Excessive Accumulation	12. Incorrect Lighting Fixtures	21. Poor Arrangement
4. Storage Area	4. Excessive Glare	13. Inoperative Equipment	22. Poorly Stacked
5. Washroom	5. Fire Lanes Blocked	14. Insufficient Illumination	23. Unsafe Method Used
6. Work Area	6. Inadequate Barricades	15. Materials Not Stored in Designated Areas	24. Wrong Type Container
	7. Inadequate Insulation	16. Material Protruding into Aisles	25. Special Hazards Not Marked
	8. Inadequate Sheilding	17. Metal Cap Missing	26. Ventilation Equipment Not Being Used
	9. Inadequate Traffic Markers	18. No Containers	27. Other (Note in Remarks)

REMARKS:

01 - Fixed Protection 02 - Environmental Control

WORK SURFACES	IBM	CLASS CODE 03 (53 - 54)	NO. INSPECTED 6 (55 - 58)	NO. SATISFACTORY 6 (59 - 62)

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON
Cat I	—		Ladder (stationery)	—	
Exit	2		Platforms	—	
Floors	2		Scaffolds	—	
Furniture	2		Stairs	—	
Ladder (portable)	—		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

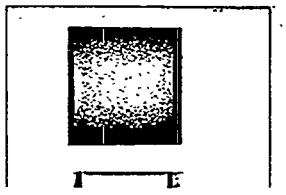
PIPING AND CONTAINERS	IBM	CLASS CODE 04 (53 - 54)	NO. INSPECTED 5 (55 - 58)	NO. SATISFACTORY 5 (59 - 62)

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITIO
Combustible Gas	2		Steam (Bld Ht.- Below 250 psig)	/	
Flammable Liquid	—		Steam (High Pressure - above - 250 psig)	—	
Toxic or Corrosive Liquid	/		Air	/	
Toxic or Corrosive Gas	—		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Cleaning Tank	9. Insulation	1. Broken	9. Kinked
2. Controls	10. Pipe	2. Corroded	10. Leaking
3. Couplings	11. Regulators	3. Damaged	11. Missing
4. Metal Containers	12. Safety Devices	4. Deteriorated	12. Not Pinned
5. Glass Containers	13. Tubing	5. Inadequate	13. Not Properly Identified
6. Hose	14. Valves	6. Inadequate Pressure Rating	14. Not Sealed
7. Grounding	15. Vents	7. Incorrect	15. Not Shielded
8. Guards or Supports	16. Housing	8. Inoperative	16. Plugged
	17. Other (Note in Remarks)		17. Other (Note in Remarks)

REM

03 - Work Surfaces 04 - Piping and Containers



SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

ELECTRICAL	IBM	CLASS CODE 05 (53 - 54)	NO. INSPECTED 10 (55 - 58)	NO. SATISFACTOR 5 (59 - 62)

INSPECTED	NO.	NO. UNSATISFACTORY (ITEM - CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Corded Equipment	5	5(9-5)
Utilization Equipment	5	
Other (Note in Remarks)	—	
High Voltage Equipment (Above 480 Volts)		
Disconnects	—	
Rotating Equipment	—	
Other (Note in Remarks)	—	

ITEMS UNSATISFACTORY

1. Boxes
2. Box Covers
3. Conduit
4. Connectors
5. Breaker
6. Grounds
7. Ground Mats
8. Identification
9. Inspection Date and Tag
10. Insulation
11. Plugs
12. Receptacles
13. Safety Switch
14. Switch
15. Warning Signs
16. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Does Not Meet Plant Specifications
6. Exposed Terminals
7. Missing
8. Not Provided
9. Ungrounded
10. Unguarded
11. Other (Note in Remarks)

REMARKS:

WORK PRACTICES	IBM	CLASS CODE 06 (53 - 54)	NO. INSPECTED 12 (55 - 58)	NO. SATISFACTOR 12 (59 - 62)

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	2		Use of Safe Attire	2	
Use of Tools	2		Use of Personnel Portective Devices	2	
Use and Maintenance of Machines & Equipment	2		Work Habits	2	
Use of Ionizing Radiation Sources	—				

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Use
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

05 - Electrical 06 - Work Practices

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS	IBM	CLASS CODE 07 53 - 54	NO. INSPECTED 12 55 - 58	NO. SATISFACTOR 12 59 - 62

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Ele owered	3	
Hand	9	
Hydraulic	—	
Pneumatic Powered	—	
Powder Actuated	—	
Laboratory Glassware	—	

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remz
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3 Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES	IBM	CLASS CODE 08 53 - 54	NO. INSPECTED 3 55 - 58	NO. SATISFACTOI 3 59 - 62

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITI
Conveyor	—		Power Truck	—	
Chain Hoist	—		Tractor	—	
Electric Hoist	—		Plant Railway	—	
Winch or Tugger	—		Skid	—	
Sling	—		Pallet	—	
Lifting Fixture	—		Bicycle	—	
Dolley	2		Bus	—	
Hand Truck	1		Passenger Car	—	
Wheelbarrow	—		Motor Truck	—	
Fork Truck	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART

1. Access Ladders	9. Couplings	17. Fittings	25. Hitches	33. Runers
2. Bell	10. Crank	18. Forks	26. Hooks	34. Switches
3. Brakes	11. Crossing Signals	19. Frame	27. Horn	35. Ties
4. Bumping Post	12. Crossing Signs	20. Glass	28. Interlocks	36. Track
5. Cable	13. Dead Man Controls	21. Grounding Connection	29. Lights	37. Wheels
6. Chain	14. Deck	22. Guards	30. Limitswitches	38. Whistle
7. Clearance Markers	15. Dog	23. Handles	31. Road Bed	39. Other (Note in Remarks)
8. Controls	16. Exhaust	24. Handrails	32. Rope	

UNSATISFACTORY CONDITION

1. Broken	5. Damaged	9. Improperly Located	13. Maintenance	17. Other (Note in Remarks)
2. Construction	6. Deteriorated	10. Inadequate	14. Missing	
3. Corroded	7. Illegible	11. Inoperative	15. Overloaded	
4. Cracked	8. Improperly Adjusted	12. Kinked	16. Protruding Fastenings	

RE :

07 - Hand and Portable Power Tools- 08 - Materials Handling Equiment - Vehicles

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS—COMPRESSED GAS CYLINDERS	IBM	CLASS CODE 09 (53 - 54)	NO. INSPECTED 3 (55 - 58)	NO. SATISFACTOR 3 (59 - 62)

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITI
Ac ank	—		Freon Tank	—	
Air Receivers	—		HF Tank	—	
Boilers	—		UF_6 Containers	—	
Compressed Gas Cylinders	3		Water Storage Heaters	—	
Fluorine Tank	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Past Due
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Plugged
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Unsecured
4. Dikes	11. Shell	4. Deterioated	11. Missing	18. Other (Note in Remarks)
5. Drip Pans	12. Test	5. Inadequate	12. Not Sealed	
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Shielded	
7. Grounding or Bonding	14. Other (Note in Remarks)	7. Incorrect	14. Open Valve	

REMARKS:

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

MACHINERY AND EQUIPMENT

IBM	CLASS CODE 10 (53 - 54)	NO. INSPECTED 7 (55 / 58)	NO. SATISFACTOR 6 (59 - 62)

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITI
B Pedestal Grinder	2	1(18-10)	Press Brake	—	
Blower	—		Pulverizer	—	
Boring Mill	—		Pump	—	
Centrifuge	—		Saw (band - metal)	1	
Compressor	—		Saw (band - wood)	—	
Crusher	—		Saw (circular - metal)	—	
Diesels (stationary)	—		Saw (circular- -wood)	—	
Drill Press	1		Saw (jig)	—	
Fans	—		Saw (power - rip)	—	
Forming Rolls	—		Saw (radial)	—	
Gear Cutter	—		Saw (swing)	—	
Grinding Machine	—		Screw Machine	—	
Hobber	—		Shaper (metal)	—	
Jointer	—		Shaper (wood)	—	
Lathe (engine)	—		Shears	—	
Lathe (turret)	1		Slicer	—	
Lathe (woodworking)	—		Welding or Cutting Unit Oxyacetylene - Manual	1	
M	—		Welding or Cutting Unit Electric - Manual	—	
Paper Cutter	—		Welding or Cutting Unit Oxyacetylene - Automatic	—	
Planer (metal)	—		Welding or Cutting Unit Electric - Automatic	—	
Planer (wood)	—				
Power Press	1		Other (Note in Remarks)		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	12. Feed Device	23. Limit Stop	1. Broken	11. Rough
2. Blowpipe	13. Grounding	24. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (electrode)	14. Guard	25. Regulator	3. Defective	13. Valve Open
4. Cable (power)	15. Guard (belt)	26. Safety Device	4. Improperly Adjusted	14. Wrong Size or Type
5. Chip Screen	16. Guard (gears)	27. Screens	5. Improperly Located	15. Other (Note in Remarks)
6. Clamp or Vise	17. Guard (projecting stock)	28. Spindle	6. Improperly Secured	
7. Controls	18. Guard (splash)	29. Tool Rest	7. Inadequate	
8. Cylinder Cart	19. Guard (tool or die)	30. Torch	8. Inoperative	
9. Cylinder	20. Guard (wheel)	31. Wheel Dressing	9. Maintenance	
10. Dust Collector	21. Hose	32. Other (Note in Remarks)	10. Missing	
11. Flanges	22. Inspection Date and Tag			

REMARKS:

SAFETY AUDIT REPORT semi annual

UCN - 2021 (1 9-60)

BUILDING	LOCATION	DIVISION CODE	LOCATION COD
9-1037	ELECTRICAL MAINTENANCE SHOP	01	11
I B M 1-48		49-50	51-52

AUD BY (SIGNATURE) Neil B. Schmitt REVIEWED WITH (SIGNATURE) J. H. Fick

FIXED PROTECTION (Personal - Fire)	IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
		01	4	4	11/28/61
		53 - 54	55 - 58	59 - 62	63 - 70

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Sprinkler System	1		Fire Extinguishers	1	
Emergency Exits	1		Protective Equip. Supply	—	
Emergency Station	—		P. A. System	1	
Evacuation Alarm	—		Safety Showers	—	
Eye Baths	—		Standpipes	—	
Fire Alarm Boxes	—		Other (Note in Remarks)	—	
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Damaged	10. Missing
2. Contents	11. Respiratory Equipment	2. Deteriorated	11. Not Labelled
3. Door	12. Rack	3. Dirty	12. Not Lighted
4. Fusible Link	13. Rollers	4. Improperly Stored	13. Not Posted
5. Hardware	14. Sprinkler Head	5. Inaccessible or Blocked	14. Out of Test Date
6. Hose	15. Stop Valve	6. Inadequate	15. Unsealed
7. Identification Light	16. Track	7. Inoperative	16. Other (Note in Remarks
8. Nozzle	17. Unit	8. Leaking	
9. Operating Instructions	18. Other	9. Location Not Indicated	

REMARKS:

ENVIRONMENTAL CONTROL	IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
		02	9	9
		53 - 54	55 - 58	59 - 62

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Cleanliness, Orderliness	1		Radiation (Thermal)	1	
Disposal of Scrap; Waste	1		Radiation (Arc, Ionizing)	—	
Protection of Hazardous or Flammable Refuse	1		Traffic Control	1	
Storage — Material and Equipment	1		Illumination	1	
Storage — Compressed Gas Cylinders	1		Ventilation	1	
Vegetation Control	—		Other (Note in Remarks)	—	

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Creates Fire Hazard	10. Inadequate or Improper Ventilation Equipment	19. Not Properly Secured
2. Lunch Room	2. Dirty	11. Inadequate Warning Signs	20. Pedestrian Lanes Not Indicated
3. Office	3. Excessive Accumulation	12. Incorrect Lighting Fixtures	21. Poor Arrangement
4. Storage Area	4. Excessive Glare	13. Inoperative Equipment	22. Poorly Stacked
5. Washroom	5. Fire Lanes Blocked	14. Insufficient Illumination	23. Unsafe Method Used
6. Work Area	6. Inadequate Barricades	15. Materials Not Stored in Designated Areas	24. Wrong Type Container
	7. Inadequate Insulation	16. Material Protruding into Aisles	25. Special Hazards Not Marked
	8. Inadequate Sheilding	17. Metal Cap Missing	26. Ventilation Equipment Not Being Used
	9. Inadequate Traffic Markers	18. No Containers	27. Other (Note in Remarks)

REMARKS:

01 - Fixed Protection 02 - Environmental Control

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

PAGE 4 OF 6

WORK SURFACES	IBM	CLASS CODE 03 (53 - 54)	NO. INSPECTED 3 (55 - 58)	NO. SATISFACTORY 3 (59 - 62)

SUPPORTS CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Catwalk	—		Ladder (stationery)	—	
Exit	/		Platforms	—	
Floors	/		Scaffolds	—	
Furniture	/		Stairs	—	
Ladder (portable)	—		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20 Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

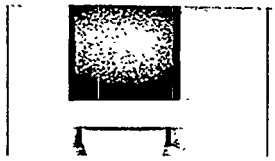
PIPING AND CONTAINERS	IBM	CLASS CODE 04 (53 - 54)	NO. INSPECTED 4 (55 - 58)	NO. SATISFACTORY 4 (59 - 62)

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Combustible Gas	/		Steam (Bld Ht.- Below 250 psig)	/	
Flammable Liquid	—		Steam (High Pressure - above - 250 psig)	—	
Toxic or Corrosive Liquid	/		Air	/	
Toxic or Corrosive Gas	—		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Cleaning Tank	9. Insulation	1. Broken	9. Kinked
2. Controls	10. Pipe	2. Corroded	10. Leaking
3. Couplings	11. Regulators	3. Damaged	11. Missing
4. Metal Containers	12. Safety Devices	4. Deteriorated	12. Not Pinned
5. Glass Containers	13. Tubing	5. Inadequate	13. Not Properly Identified
6. Hose	14. Valves	6. Inadequate Pressure Rating	14. Not Sealed
7. Grounding	15. Vents	7. Incorrect	15. Not Shielded
8. Guards or Supports	16. Housing	8. Inoperative	16. Plugged
	17. Other (Note in Remarks)		17. Other (Note in Remarks)

REM

03 - Work Surfaces 04 - Piping and Containers



SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

ELECTRICAL	IBM	CLASS CODE 05	NO. INSPECTED 6	NO. SATISFACTOR 3
		53 - 54	55 - 58	59 - 62

INSPECTED	NO.	NO. UNSATISFACTORY (ITEM - CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Corded Equipment	3	3(9-5)
Utilization Equipment	3	
Other (Note in Remarks)	—	
High Voltage Equipment (Above 480 Volts)		
Disconnects		
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Box Covers
3. Conduit
4. Connectors
5. Breaker
6. Grounds
7. Ground Mats
8. Identification
9. Inspection Date and Tag
10. Insulation
11. Plugs
12. Receptacles
13. Safety Switch
14. Switch
15. Warning Signs
16. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Does Not Meet Plant Specifications
6. Exposed Terminals
7. Missing
8. Not Provided
9. Ungrounded
10. Unguarded
11. Other (Note in Remarks)

REMARKS:

WORK PRACTICES	IBM	CLASS CODE 06	NO. INSPECTED	NO. SATISFACTOR
		53 - 54	55 - 58	59 - 62

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	—		Use of Safe Attire	—	
Use of Tools	—		Use of Personnel Portective Devices	—	
Use and Maintenance of Machines & Equipment	—		Work Habits	—	
Use of Ionizing Radiation Sources	—			—	

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Use
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

05 - Electrical 06 - Work Practices

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS	IBM	CLASS CODE 07 53 - 54	NO. INSPECTED 6 55 - 58	NO. SATISFACTOR 6 59 - 62

TYPE OF TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered	2	
Hand	4	
Hydraulic	—	
Pneumatic Powered	—	
Powder Actuated	—	
Laboratory Glassware	—	

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Rem.
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES	IBM	CLASS CODE 08 53 - 54	NO. INSPECTED 55 - 58	NO. SATISFACTOI 59 - 62

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITI
Conveyor	—		Power Truck	—	
Chain Hoist	—		Tractor	—	
Electric Hoist	—		Plant Railway	—	
Winch or Tugger	—		Skid	—	
Sling	—		Pallet	—	
Lifting Fixture	—		Bicycle	—	
Dolley	—		Bus	—	
Hand Truck	—		Passenger Car	—	
Wheelbarrow	—		Motor Truck	—	
Fork Truck	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART

1. Access Ladders	9. Couplings	17. Fittings	25. Hitches	33. Runers
2. Bell	10. Crank	18. Forks	26. Hooks	34. Switches
3. Brakes	11. Crossing Signals	19. Frame	27. Horn	35. Ties
4. Bumping Post	12. Crossing Signs	20. Glass	28. Interlocks	36. Track
5. Cable	13. Dead Man Controls	21. Grounding Connection	29. Lights	37. Wheels
6. Chain	14. Deck	22. Guards	30. Limitswitches	38. Whistle
7. Clearance Markers	15. Dog	23. Handles	31. Road Bed	39. Other (Note in Remarks)
8. Controls	16. Exhaust	24. Handrails	32. Rope	

UNSATISFACTORY CONDITION

1. Broken	5. Damaged	9. Improperly Located	13. Maintenance	17. Other (Note in Remarks)
2. Construction	6. Deteriorated	10. Inadequate	14. Missing	
3. Corroded	7. Illegible	11. Inoperative	15. Overloaded	
4. Cracked	8. Improperly Adjusted	12. Kinked	16. Protruding Fastenings	

RE ;:

07 - Hand and Portable Power Tools- 08 - Materials Handling Equiment - Vehicles

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS—COMPRESSED GAS CYLINDERS	IBM	CLASS CODE 09	NO. INSPECTED	NO. SATISFACTORY
		33 - 34	35 - 38	39 - 42

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIO
Ace. ank	—		Freon Tank	—	
Air Receivers	—		HF Tank	—	
Boilers	—		UF6 Containers	—	
Compressed Gas Cylinders	/		Water Storage Heaters	—	
Fluorine Tank	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Past Due
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Plugged
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Unsecured
4. Dikes	11. Shell	4. Deterioated	11. Missing	18. Other (Note in Remarks)
5. Drip Pans	12. Test	5. Inadequate	12. Not Sealed	
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Shielded	
7. Grounding or Bonding	14. Other (Note in Remarks)	7. Incorrect	14. Open Valve	

REMARKS:

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

MACHINERY AND EQUIPMENT

IBM	CLASS CODE 10	NO. INSPECTED	NO. SATISFACTORY
	53 - 54	55 - 58	59 - 62
		5	5

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITI
Be Pedestal Grinder	/		Press Brake	—	
Blower	—		Pulverizer	—	
Boring Mill	—		Pump	—	
Centrifuge	—		Saw (band - metal)	—	
Compressor	—		Saw (band - wood)	—	
Crusher	—		Saw (circular - metal)	—	
Diesels (stationary)	—		Saw (circular- -wood)	—	
Drill Press	/		Saw (jig)	—	
Fans	/		Saw (power - rip)	—	
Forming Rolls	—		Saw (radial)	—	
Gear Cutter	—		Saw (swing)	—	
Grinding Machine	/		Screw Machine	—	
Hobber	—		Shaper (metal)	—	
Jointer	—		Shaper (wood)	—	
Lathe (engine)	—		Shears	—	
Lathe (turret)	—		Slicer	—	
Lathe (woodworking)	—		Welding or Cutting Unit Oxyacetylene - Manual	/	
M.	—		Welding or Cutting Unit Electric - Manual	—	
Paper Cutter	—		Welding or Cutting Unit Oxyacetylene - Automatic	—	
Planer (metal)	—		Welding or Cutting Unit Electric - Automatic	—	
Planer (wood)	—				
Power Press	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	12. Feed Device	23. Limit Stop	1. Broken	11. Rough
2. Blowpipe	13. Grounding	24. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (electrode)	14. Guard	25. Regulator	3. Defective	13. Valve Open
4. Cable (power)	15. Guard (belt)	26. Safety Device	4. Improperly Adjusted	14. Wrong Size or Type
5. Chip Screen	16. Guard (gears)	27. Screens	5. Improperly Located	15. Other (Note in Remarks)
6. Clamp or Vise	17. Guard (projecting stock)	28. Spindle	6. Improperly Secured	
7. Controls	18. Guard (splash)	29. Tool Rest	7. Inadequate	
8. Cylinder Cart	19. Guard (tool or die)	30. Torch	8. Inoperative	
9. Cylinder	20. Guard (wheel)	31. Wheel Dressing	9. Maintenance	
10. Dust Collector	21. Hose	32. Other (Note in Remarks)	10. Missing	
11. Flanges	22. Inspection Date and Tag			

REMARKS:

UCN - 2021 (1 9-60)

PAGE 1 OF 10

BUILDING	LOCATION	DIVISION CODE	LOCATION C
K-1037	INSTRUMENT MAINTENANCE SHOP	01	01
1 B H 1-48		49-50	51-52

AUDITED BY (SIGNATURE): Neil R. Schutt

REVIEWED WITH (SIGNATURE): B A Bramble

FIXED PROTECTION (Personal - Fire)	IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
		01	4	4	11-28-
		53 - 54	55 - 58	59 - 62	63 -

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIO
Automatic Sprinkler System	/		Fire Extinguishers	/	
Emergency Exits	/		Protective Equip. Supply	—	
Emergency Station	—		P. A. System	/	
Evacuation Alarm	—		Safety Showers	—	
Eye Baths	—		Standpipes	—	
Fire Alarm Boxes	—		Other (Note in Remarks)	—	
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Damaged	10. Missing
2. Contents	11. Respiratory Equipment	2. Deteriorated	11. Not Labelled
3. Door	12. Rack	3. Dirty	12. Not Lighted
4. Fusible Link	13. Rollers	4. Improperly Stored	13. Not Posted
5. Hardware	14. Sprinkler Head	5. Inaccessible or Blocked	14. Out of Test Date
6. Hose	15. Stop Valve	6. Inadequate	15. Unsealed
7. Identification Light	16. Track	7. Inoperative	16. Other (Note in Remarks
8. Nozzle	17. Unit	8. Leaking	
9. Operating Instructions	18. Other	9. Location Not Indicated	

REMARKS:

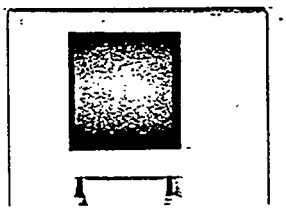
ENVIRONMENTAL CONTROL	IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
		02	9	9
		53 - 54	55 - 58	59 - 62

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION
Cleanliness, Orderliness	/		Radiation (Thermal)	/	
Disposal of Scrap; Waste	/		Radiation (Arc, Ionizing)	—	
Protection of Hazardous or Flammable Refuse	/		Traffic Control	/	
Storage — Material and Equipment	/		Illumination	/	
Storage — Compressed Gas Cylinders	/		Ventilation	/	
Vegetation Control	—		Other (Note in Remarks)	—	

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Creates Fire Hazard	10. Inadequate or Improper Ventilation Equipment	19. Not Properly Secured
2. Lunch Room	2. Dirty	11. Inadequate Warning Signs	20. Pedestrian Lanes Not Indicated
3. Office	3. Excessive Accumulation	12. Incorrect Lighting Fixtures	21. Poor Arrangement
4. Storage Area	4. Excessive Glare	13. Inoperative Equipment	22. Poorly Stacked
5. Washroom	5. Fire Lanes Blocked	14. Insufficient Illumination	23. Unsafe Method Used
6. Work Area	6. Inadequate Barricades	15. Materials Not Stored in Designated Areas	24. Wrong Type Container
	7. Inadequate Insulation	16. Material Protruding into Aisles	25. Special Hazards Not Marked
	8. Inadequate Sheilding	17. Metal Cap Missing	26. Ventilation Equipment Not Being Used
	9. Inadequate Traffic Markers	18. No Containers	27. Other (Note in Remarks)

REMARKS:

01 - Fixed Protection 02 - Environmental Control



UCN - 2021 (1 9-60)

PAGE 6 OF 10

WORK SURFACES	IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
		03	3	3
		53 - 54	55 - 58	59 - 62

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON
Cat	—		Ladder (stationery)	—	
Exit	/		Platforms	—	
Floors	/		Scaffolds	—	
Furniture	/		Stairs	—	
Ladder (portable)	—		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6 Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9 Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

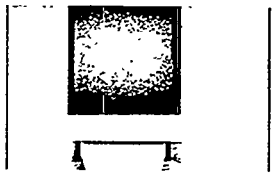
PIPING AND CONTAINERS	IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
		04	2	2
		53 - 54	55 - 58	59 - 62

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITIO
Combustible Gas	—		Steam (Bld Ht.- Below 250 psig)	/	
Flammable Liquid	—		Steam (High Pressure - above - 250 psig)	—	
Toxic or Corrosive Liquid	—		Air	/	
Toxic or Corrosive Gas	—		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Cleaning Tank	9. Insulation	1. Broken	9. Kinked
2. Controls	10. Pipe	2. Corroded	10. Leaking
3. Couplings	11. Regulators	3. Damaged	11. Missing
4. Metal Containers	12. Safety Devices	4. Deteriorated	12. Not Pinned
5. Glass Containers	13. Tubing	5. Inadequate	13. Not Properly Identified
6. Hose	14. Valves	6. Inadequate Pressure Rating	14. Not Sealed
7. Grounding	15. Vents	7. Incorrect	15. Not Shielded
8. Guards or Supports	16. Housing	8. Inoperative	16. Plugged
	17. Other (Note in Remarks)		17. Other (Note in Remarks)

REM

03 - Work Surfaces 04 - Piping and Containers



SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

ELECTRICAL	IBM	CLASS CODE 05	NO. INSPECTED 6	NO. SATISFACTOR 3
		53 - 54	55 - 58	59 - 62

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM - CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Corded Equipment	3	3(9 - 5)
Utilization Equipment	3	
Other (Note in Remarks)	—	
High Voltage Equipment (Above 480 Volts)		
Disconnects	—	
Rotating Equipment	—	
Other (Note in Remarks)	—	

ITEMS UNSATISFACTORY

1. Boxes
2. Box Covers
3. Conduit
4. Connectors
5. Breaker
6. Grounds
7. Ground Mats
8. Identification
9. Inspection Date and Tag
10. Insulation
11. Plugs
12. Receptacles
13. Safety Switch
14. Switch
15. Warning Signs
16. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Does Not Meet Plant Specifications
6. Exposed Terminals
7. Missing
8. Not Provided
9. Ungrounded
10. Unguarded
11. Other (Note in Remarks)

REMARKS:

WORK PRACTICES	IBM	CLASS CODE 06	NO. INSPECTED	NO. SATISFACTOR
		53 - 54	55 - 58	59 - 62

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	0		Use of Safe Attire	0	
Use of Tools	0		Use of Personnel Portective Devices	0	
Use and Maintenance of Machines & Equipment	0		Work Habits	0	
Use of Ionizing Radiation Sources	0				

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Use
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

05 - Electrical 06 - Work Practices

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS	IBM	CLASS CODE 07 (53 - 54)	NO. INSPECTED 6 (55 - 58)	NO. SATISFACTOR 6 (59 - 62)

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Ele owered	2	
Hand	4	
Hydraulic	—	
Pneumatic Powered	—	
Powder Actuated	—	
Laboratory Glassware	—	

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Rem
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15 Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES	IBM	CLASS CODE 08 (53 - 54)	NO. INSPECTED (55 - 58)	NO. SATISFACTOR (59 - 62)

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITI
Conveyor	—		Power Truck	—	
Chain Hoist	—		Tractor	—	
Electric Hoist	—		Plant Railway	—	
Winch or Tugger	—		Skid	—	
Sling	—		Pallet	—	
Lifting Fixture	—		Bicycle	—	
Dolley	—		Bus	—	
Hand Truck	—		Passenger Car	—	
Wheelbarrow	—		Motor Truck	—	
Fork Truck	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART

1. Access Ladders	9. Couplings	17. Fittings	25. Hitches	33. Runers
2. Bell	10. Crank	18. Forks	26. Hooks	34. Switches
3. Brakes	11. Crossing Signals	19. Frame	27. Horn	35. Ties
4 Bumping Post	12. Crossing Signs	20. Glass	28. Interlocks	36. Track
5. Cable	13. Dead Man Controls	21. Grounding Connection	29. Lights	37. Wheels
6. Chain	14. Deck	22. Guards	30. Limitswitches	38. Whistle
7. Clearance Markers	15. Dog	23. Handles	31. Road Bed	39. Other (Note in Remarks)
8. Controls	16. Exhaust	24. Handrails	32. Rope	

UNSATISFACTORY CONDITION

1. Broken	5. Damaged	9. Improperly Located	13. Maintenance	17. Other (Note in Remarks)
2. Construction	6. Deteriorated	10. Inadequate	14. Missing	
3. Corroded	7. Illegible	11. Inoperative	15. Overloaded	
4. Cracked	8. Improperly Adjusted	12. Kinked	16. Protruding Fastenings	

RE :

07 - Hand and Portable Power Tools- 08 - Materials Handling Equiment - Vehicles

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS—COMPRESSED GAS CYLINDERS	IBM	CLASS CODE 09 (33 - 34)	NO. INSPECTED 2 (35 - 38)	NO. SATISFACTORY 2 (39 - 42)

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIC
Ace[illegible] [illegible]nk	—		Freon Tank	—	
Air Receivers	—		HF Tank	—	
Boilers	—		UF_6 Containers	—	
Compressed Gas Cylinders	2		Water Storage Heaters	—	
Fluorine Tank	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Past Due
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Plugged
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Unsecured
4. Dikes	11. Shell	4. Deterioated	11. Missing	18. Other (Note in Remarks)
5. Drip Pans	12. Test	5. Inadequate	12. Not Sealed	
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Shielded	
7. Grounding or Bonding	14. Other (Note in Remarks)	7. Incorrect	14. Open Valve	

REMARKS:

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

MACHINERY AND EQUIPMENT

IBM	CLASS CODE 10	NO. INSPECTED	NO. SATISFACTOR
	53 - 54	55 - 58	59 - 62
		2	2

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITI
Be Pedestal Grinder	/		Press Brake	—	
Blower	—		Pulverizer	—	
Boring Mill	—		Pump	—	
Centrifuge	—		Saw (band - metal)	—	
Compressor	—		Saw (band - wood)	—	
Crusher	—		Saw (circular - metal)	—	
Diesels (stationary)	—		Saw (circular- -wood)	—	
Drill Press	—		Saw (jig)	—	
Fans	—		Saw (power - rip)	—	
Forming Rolls	—		Saw (radial)	—	
Gear Cutter	—		Saw (swing)	—	
Grinding Machine	—		Screw Machine	—	
Hobber	—		Shaper (metal)	—	
Jointer	—		Shaper (wood)	—	
Lathe (engine)	—		Shears	—	
Lathe (turret)	—		Slicer	—	
Lathe (woodworking)	—		Welding or Cutting Unit Oxyacetylene - Manual	/	
M	—		Welding or Cutting Unit Electric - Manual	—	
Paper Cutter	—		Welding or Cutting Unit Oxyacetylene - Automatic	—	
Planer (metal)	—		Welding or Cutting Unit Electric - Automatic	—	
Planer (wood)	—				
Power Press	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	12. Feed Device	23. Limit Stop	1. Broken	11. Rough
2. Blowpipe	13. Grounding	24. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (electrode)	14. Guard	25. Regulator	3. Defective	13. Valve Open
4. Cable (power)	15. Guard (belt)	26. Safety Device	4. Improperly Adjusted	14. Wrong Size or Type
5. Chip Screen	16 Guard (gears)	27. Screens	5. Improperly Located	15. Other (Note in Remarks)
6. Clamp or Vise	17. Guard (projecting stock)	28. Spindle	6. Improperly Secured	
7. Controls	18. Guard (splash)	29. Tool Rest	7. Inadequate	
8. Cylinder Cart	19. Guard (tool or die)	30. Torch	8. Inoperative	
9. Cylinder	20. Guard (wheel)	31. Wheel Dressing	9. Maintenance	
10. Dust Collector	21. Hose	32. Other (Note in Remarks)	10. Missing	
11. Flanges	22. Inspection Date and Tag			

REMARKS:

10.—Machinery & Equipment

semi-annual (C.G.)

SAFETY AUDIT REPORT 1100 6 pages

JCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1100	K-1100 Instrument Main. Shop	01	01	01	4	4	4/20/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Auton. Sprinkler System	1		Fire Extinguishers	1	
Emergency Exits	1		Protective Equip. Supply	—	
Emergency Station	—		P. A. System	1	
Evacuation Alarm	—		Safety Showers	—	
Eye Baths	—		Standpipes	—	
Fire Alarm Boxes	—		Other (Note in Remarks)	—	
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Postec
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1100	K-1100 Instrument Main. Shop	01	01	02	5	5	4/20/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	1		Radiating Surfaces	—	
Illumination	1		Traffic Control	1	
Material Containment	1		Ventilation	1	
Radiation	—		Other (Note in Remarks)	—	

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Arec
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

23-23 ~-0

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REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1100	K-1100 Instrument Main. Shop	01	01	03	4	4	4/20/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART-REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART-REASON)
Catwalks	—		Ladder (stationery)	—	
Exit	1		Platforms	—	
Floors	1		Scaffolds	—	
Furniture	1		Stairs	—	
Ladder (portable)	1		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1100	K-1100 Instrument Main Shop.	01	01	04	2	2	4/20/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART-CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Fluorine	—		Steam (Bldg Ht - Below 15 psig)	1	
Hydrofluoric Acid	—		Steam (Low Pressure - 15-250 psig)	—	
Natural Gas	—		Steam (High Pressure - above 250 psig)	—	
Pyrofax	—		Other (Note in Remarks)	1	Air

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE)

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'AFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1100	K-1100 Instrument Main. Shop	01	01	05	3	3	4/26/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

I. NSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low V...ge Equipment (Below 480 Volts)	/	
Corded Equipment	2	(1960)
Utilization Equipment	1	
High Voltage Equipment (Above 480 Volts)	/	
Disconnects	—	
Rotating Equipment	—	
Other (Note in Remarks)	—	

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
5. Does Not Meet Plant Specification:
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1100	K-1100 Instrument Main. Shop	01	01	06	0	0	4/26/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	—		Use of Safe Attire	—	
Use of Tools	—		Use of Personnel Protective Devices	—	
Use and Maintenance of Machines & Equipment	—		Work Habits	—	
Use of Ionizing Radiation Sources	—			—	

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel Enclosure, when Unsafe Because of Temperatu Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

'EMARKS:

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SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1100	K-1100 Instrument Main. Shop	01	01	07	3	3	4/20/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE OF TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered	—	
Hand	3	
Hydraulic	—	
Pneumatic Powered	—	
Powder Actuated	—	

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remar
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1100	K-1100 Instrument Main. Shop	01	01	08	1	1	4/20/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor	—		Power Truck	—	
Chain Hoist	—		Tractor	—	
Electric Hoist	—		Plant Railway	—	
Winch or Tugger	—		Skid	—	
Sling	—		Pallet	—	
Lifting Fixture	—		Bicycle	—	
Dolley	1		Bus	—	
Handtruck	—		Passenger Car	—	
Wheelbarrow	—		Motor Truck	—	
Fork Truck	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Cr[illegible]ng Signals	25. Hitches	39. Other (Note in Remarks)
12. C[illegible]g Signs	26. Hooks	
13. D[illegible]an Control	27. Horn	
14. Deck	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE) REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1100	K-1100 Instrument Main Shop	01	01	09	2	2	4/20/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIO
Acetone Tank	—		Freon Tank	—	
Air Receivers	—		HF Tank	—	
Boilers	—		UF_6 Containers	—	
Compressed Gas Cylinders	2		Water Storage Heaters	—	
Fluorine Tank	—		Other *(Note in Remarks)*	—	

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other *(Note in Remarks)*
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other *(Note in Remarks)*	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1100	K-1100 Instrument Main Shop	01	01	10	2	2	4/20/6[illegible]
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Arc Cutting Unit	—		Oxygen-Arc Cutting Unit	—	
Automatic Arc Welding Unit	—		Paper Cutter	—	
Bench or Pedestal Grinder	1		Planer (metal)	—	
Blower	—		Planer (wood)	—	
Boring Mill	—		Power Press	—	
Centrifuge	—		Press Brake	—	
Compressor	—		Pulverizer	—	
Crusher	—		Pump	—	
Diesels (stationary)	—		Saw (band - metal)	—	
Drill Press	1		Saw (band - wood)	—	
Fans	—		Saw (circular - metal)	—	
Forming Rolls	—		Saw (circular - wood)	—	
Gear Cutter	—		Saw (jig)	—	
Grinding Machine	—		Saw (power - rip)	—	
Hobber	—		Saw (radial)	—	
Jointer	—		Saw (swing)	—	
Lathe (engine)	—		Screw Machine	—	
Lathe (turret)	—		Shaper (metal)	—	
Lathe (woodworking)	—		Shaper (wood)	—	
Manual Arc Cutting Unit	—		Shears	—	
Manual Arc Welding Unit	—		Slicer	—	
Mixer	—		Other *(Note in Remarks)*	—	

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other *(Note in Remarks)*
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other *(Note in Remarks)*	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

AUDITED BY (SIGNATURE) Neil B. Schrott

REVIEWED WITH (SIGNATURE) B. H. Bramblett

10 - Machinery and

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

2 hr.

FIXED PROTECTION
(Personnel - Fire)

(2) Records file OW

Page 1 of ____

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1037	CHEMICAL 1037 MAINT. SHOP	01	41	01	3	3	4/11/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto Sprinkler System	1		Fire Extinguishers	1	
Emergency Exits	1		Protective Equip. Supply		
Emergency Station			P. A. System		
Evacuation Alarm			Safety Showers		
Eye Baths			Standpipes		
Fire Alarm Boxes			Other (Note in Remarks)		
Fire Doors					

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Postec
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILD.	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1037	CHEMICAL MAINTENENCE SHOP	01		02	6	4	4/11/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	1111	1 (6-16) *	Radiating Surfaces		
Illumination	1		Traffic Control		
Material Containment	1	1 **	Ventilation		
Radiation			Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Arec
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS: * EXTENSION CORD & OTHER MISSC ITEMS ON FLOOR BUT GENERAL HOUSEKEEPING QUITE GOOD,
** PIPE & METAL STOCK STORED UNDER WORK BENCHES IS LESS DESIREABLE THAN USE OF PROPER STORAGE RACKS.

-242- 46-33 6-6

AUDITED BY (SIGNATURE) [signature]

REVIEWED WITH (SIGNATURE) H. M. Bailey

01 - Fixed Protection
02 - Environmental Control

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1037	CHEMICAL 1037 MAINT. SHOP	01	61	03	8	6	4/11/
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Catw.	✓		Ladder (stationery)		
Exit	1		Platforms		
Floors	111	1 (*	Scaffolds		
Furniture	1		Stairs		
Ladder (portable)	111	1 (12-9)	Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS: * RELOCATION OF SAW TO A POINT NEAR ITS CONTROL SWITCH WHICH PROTRUDES FROM FLOOR WOULD REDUCE TRIPING HAZARD.

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1037	CHEMICAL 1037 MAINT SHOP	01		04	2	1	4/11/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine			Steam (Bldg Ht - Below 15 psig)		
Hydrofluoric Acid			Steam (Low Pressure - 15-250 psig)		
Natural Gas			Steam (High Pressure - above 250 psig)		
Pyrofax	1		Other (Note in Remarks) PLANT AIR	1	1 (4-13)

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE) [illegible]

REVIEWED WITH (SIGNATURE) H. M. Bailey

03 - Work Surfaces
04 - Piping & Containers

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1037	CHEMICAL 1037 MAINT SHOP	01	4	05	6	2	4/11/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM - CONDITION)
Low [illegible]ge Equipment (Below 480 Volts)	111	1 (7-6)
Corded Equipment	11	11 (8-7)
Utilization Equipment	1	1 *
High Voltage Equipment (Above 480 Volts)		
Disconnects		
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY	
1. Boxes	9. Insulation
2. Conduit	10. Plugs
3. Connectors	11. Receptacles
4. Breaker	12. Safety Switch
5. Grounds	13. Switch
6. Ground Mats	14. Warning Signs
7. Identification	15. Other (Note in Remarks)
8. Inspection Date and Tag	

UNSATISFACTORY CONDITION	
1. Broken	6 Does Not Meet Plant Specifications
2. Cracked	7. Not Provided
3. Damaged	8. Ungrounded
4. Deteriorated	9. Unguarded
5. Identification	

REMARKS:

* DOES NOT APEAR TO BE FED FROM M1-1-7 AS MARKED.

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1037	CHEMICAL MAINT SHOP			06	6	6	
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	11		Use of Safe Attire	11	
Use of Tools			Use of Personnel Protective Devices	11	
Use and Maintenance of Machines & Equipment			Work Habits		
Use of Ionizing Radiation Sources					

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

AUDITED BY (SIGNATURE) [illegible]

REVIEWED WITH (SIGNATURE) J. M. Bailey

05 - Electrical
06 - Work Practices

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1037	1037 CHEMICAL MAINT. SHOP	01	6	07	8	5	4-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered	11	11 (14)
Hand	~~THL~~ 1	1 (7-9)
Hydraulic		
Pneumatic Powered		
Powder Actuated		

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other *(Note in Remarks)*
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other *(Note in Remarks)*
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1037	1037 CHEMICAL MAINT SHOP	01		08	5	5	
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor	—		Power Truck		
Chain Hoist	—		Tractor		
Electric Hoist	—		Plant Railway		
Winch or Tugger	—		Skid		
Sling	III		Pallet		
Lifting Fixture			Bicycle		
Dolley	II		Bus		
Handtruck			Passenger Car		
Wheelbarrow			Motor Truck		
Fork Truck			Other *(Note in Remarks)*		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Cr[illegible]ng Signals	25. Hitches	39. Other *(Note in Remarks)*
12. C[illegible] Signs	26. Hooks	
13. D[illegible]n Control	27. Horn	
14. Deck	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other *(Note in Remarks)*
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE) [signature]

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07 - Power Tools
08 - Materials Handling

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1037	CHEMICAL 1037 MAINT SHOP	01	61	09	2	2	4/11/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIC
Acetylene Tank			Freon Tank		
Air Receivers			HF Tank		
Boilers			UF_6 Containers		
Compressed Gas Cylinders	11		Water Storage Heaters		
Fluorine Tank			Other *(Note in Remarks)*		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other *(Note in Remarks)*
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other *(Note in Remarks)*	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE) [signature]

REVIEWED WITH (SIGNATURE) H. M. Bailey

09 - Pressure Vessels & Gas Cylinders

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1037	1037 CHEMICAL MAINT SHOP	01	61	10	6	5	4-11
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Arc Cutting Unit			Oxygen-Arc Cutting Unit		
Automatic Arc Welding Unit			Paper Cutter		
Bench or Pedestal Grinder	11	1 (2L-10)	Planer (metal)		
Blower			Planer (wood)		
Boring Mill			Power Press		
Centrifuge			Press Brake		
Compressor			Pulverizer		
Crusher			Pump		
Diesels (stationary)			Saw (band - metal)	1	
Drill Press	1		Saw (band - wood)		
Fans			Saw (circular - metal)		
Forming Rolls			Saw (circular - wood)		
Gear Cutter			Saw (jig)		
Grinding Machine			Saw (power - rip)		
Hobber			Saw (radial)		
Jointer			Saw (swing)		
Lathe (engine)	1		Screw Machine		
Lathe (turret)			Shaper (metal)		
Lathe (woodworking)			Shaper (wood)		
Manual Arc Cutting Unit			Shears		
Manual Arc Welding Unit			Slicer		
Mixer			Other *(Note in Remarks)*	1	

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other *(Note in Remarks)*
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other *(Note in Remarks)*	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

AUDITED BY (SIGNATURE) [signature]

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SAFETY AUDIT REPORT 2.5 hrs.

UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

JW

Page 1 of ____

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01037	Electrical Maint Shop	01	11	01	—	—	3-21-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIO
Auto Sprinkler System	—		Fire Extinguishers	—	*
Emergency Exits	—		Protective Equip. Supply	—	
Emergency Station	—		P. A. System	—	
Evacuation Alarm	—		Safety Showers	—	
Eye Baths	—		Standpipes	—	
Fire Alarm Boxes	—		Other (Note in Remarks)	—	
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Poste
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:
* Should consider the installation of a fire extinguisher

ENVIRONMENTAL CONTROL

BUILD.	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO SATISFACTORY	DATE
01037	Electrical Maint Shop	01	11	02	8	8	3-21-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	11		Radiating Surfaces	—	
Illumination	1		Traffic Control	1	
Material Containment	111		Ventilation	1	
Radiation	—		Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Are
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

AUDITED BY (SIGNATURE) H E Marshall

REVIEWED WITH (SIGNATURE) J. H. Gick

30-25 0-0

01 - Fixed Protection
02 - Environmental Control

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01037	Electrical Maint. Shop	01	11	03	4	4	3-21-[illegible]
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART-REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART-REASON)
Catwalks	—		Ladder (stationery)	—	
Exit	1		Platforms	—	
Floors	1		Scaffolds	—	
Furniture	11		Stairs	—	
Ladder (portable)	—		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01037	Electrical Maint Shop	01	11	04	1	1	3-21-[illegible]
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART-CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Fluorine	—		Steam (Bldg Ht - Below 15 psig)	1	
Hydrofluoric Acid	—		Steam (Low Pressure - 15-250 psig)	—	
Natural Gas	—		Steam (High Pressure - above 250 psig)	—	
Pyrofax	—		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE)	REVIEWED WITH (SIGNATURE)

03 - Work Surfaces
04 - Piping & Containers

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
91037	Electrical Maint. Shop	01	11	05	5	3	3-21-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

IT' 'NSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low ge Equipment (Below 480 Volts)	—	
Corded Equipment	111	2 (8-6)
Utilization Equipment	11	
High Voltage Equipment (Above 480 Volts)	—	
Disconnects	—	
Rotating Equipment	—	
Other (Note in Remarks)	—	

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
6. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
				06			
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling			Use of Safe Attire		
Use of Tools			Use of Personnel Protective Devices		
Use and Maintenance of Machines & Equipment			Work Habits		
Use of Ionizing Radiation Sources					

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel Enclosure, when Unsafe Because of Temperatu Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

05 - Electrical
06 - Work Practices

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01037	Electrical Maint. Shop	01	11	07	8	6	3-21-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE OF TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND-CONDITION)
Electric Powered	1	1 (6-14)
Hand	IIIII	1 (7-9)
Hydraulic	—	
Pneumatic Powered	—	
Powder Actuated	—	

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Rema
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
				08			
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Conveyor			Power Truck		
Chain Hoist			Tractor		
Electric Hoist			Plant Railway		
Winch or Tugger			Skid		
Sling			Pallet		
Lifting Fixture			Bicycle		
Dolley			Bus		
Handtruck			Passenger Car		
Wheelbarrow			Motor Truck		
Fork Truck			Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Cro[illegible]ng Signals	25. Hitches	39. Other (Note in Remarks)
12. C[illegible] Signs	26. Hooks	
13. D[illegible]n Control	27. Horn	
14. Deck	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

07 - Power Tools
08 - Materials Handling

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01037	Electrical Maint. Shop	01	11	09	1	1	3-21-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITIC
Acet[illegible] Tank	—		Freon Tank	—	
Air Receivers	—		HF Tank	—	
Boilers	—		UF_6 Containers	—	
Compressed Gas Cylinders	1		Water Storage Heaters	—	
Fluorine Tank	—		Other *(Note in Remarks)*		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other *(Note in Remarks)*
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other *(Note in Remarks)*	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

09 - Pressure Vessels & Gas Cylinders

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01037	Electrical Maint. Shop	01	11	10	3	2	3-21-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Arc Cutting Unit	—		Oxygen-Arc Cutting Unit	—	
Automatic Arc Welding Unit	—		Paper Cutter	—	
Bench or Pedestal Grinder	1		Planer (metal)	—	
Blower	—		Planer (wood)	—	
Boring Mill	—		Power Press	—	
Centrifuge	—		Press Brake	—	
Compressor	—		Pulverizer	—	
Crusher	—		Pump	—	
Diesels (stationary)	—		Saw (band - metal)	—	
Drill Press	1	1 (20-10)	Saw (band - wood)	—	
Fans	1		Saw (circular - metal)	—	
Forming Rolls	—		Saw (circular - wood)	—	
Gear Cutter	—		Saw (jig)	—	
Grinding Machine	—		Saw (power - rip)	—	
Hobber	—		Saw (radial)	—	
Jointer	—		Saw (swing)	—	
Lathe (engine)	—		Screw Machine	—	
Lathe (turret)	—		Shaper (metal)	—	
Lathe (woodworking)	—		Shaper (wood)	—	
Manual Arc Cutting Unit	—		Shears	—	
Manual Arc Welding Unit	—		Slicer	—	
Mixer	—		Other (Note in Remarks)		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT {6 pages 1:30 hr

UCN-2021 (1 9-60)

Quarterly

FIXED PROTECTION
(Personnel - Fire)

Jw

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1040	Instrument Maintenance Shop	01	01	01	4	4	3/20/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto. Sprinkler System	—		Fire Extinguishers	1	(CTC)
Emergency Exits	1		Protective Equip. Supply	2	
Emergency Station	—		P. A. System	—	
Evacuation Alarm	—		Safety Showers	—	
Eye Baths	—		Standpipes	—	
Fire Alarm Boxes	—		Other (Note in Remarks)	—	
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1040	Instrument Maintenance Shop	01	01	02	5	5	3/20/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	1		Radiating Surfaces	1	
Illumination	1		Traffic Control	—	
Material Containment	1		Ventilation	1	
Radiation	—		Other (Note in Remarks)	—	

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Area
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE) 26-25 6-6

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1040	Instrument Maintenance Shop	01	01	03	3	3	3/20/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Cat	—		Ladder (stationery)	—	
Exit	1		Platforms	—	
Floors	1		Scaffolds	—	
Furniture	1		Stairs	—	
Ladder (portable)	—		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1040	Instrument Maintenance Shop	01	01	04	2	2	3/20/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine			Steam (Bldg Ht - Below 15 psig)	1	
Hydrofluoric Acid			Steam (Low Pressure - 15-250 psig)		
Natural Gas			Steam (High Pressure - above 250 psig)		
Pyrofax			Other (Note in Remarks)	1	Plant Air

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

ICN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1040	Instrument Maintenance Shop	01	01	05	2	2	3/20/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low ge Equipment (Below 480 Volts)	—	
Corded Equipment	1	(1960)
Utilization Equipment	1	
High Voltage Equipment (Above 480 Volts)	—	
Disconnects	—	
Rotating Equipment	—	
Other (Note in Remarks)	—	

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
5. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1040	Instrument Maintenance Shop	01	01	06	6	6	3/20/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	—		Use of Safe Attire	2	
Use of Tools	2		Use of Personnel Protective Devices	1	
Use and Maintenance of Machines & Equipment	—		Work Habits	1	
Use of Ionizing Radiation Sources	—				

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel Enclosure, when Unsafe Because of Temperatu Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

AUDITED BY (SIGNATURE)

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SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1040	Instrument Maintenance Shop	01	01	07	3	3	3/26/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Elec. Powered	2	
Hand	1	
Hydraulic	—	
Pneumatic Powered	—	
Powder Actuated	—	

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1040	Instrument Maintenance Shop	01	01	08	2	2	3/26/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor	—		Power Truck	—	
Chain Hoist	—		Tractor	—	
Electric Hoist	—		Plant Railway	—	
Winch or Tugger	—		Skid	—	
Sling	—		Pallet	1	
Lifting Fixture	—		Bicycle	—	
Dolley	1		Bus	—	
Handtruck	—		Passenger Car	—	
Wheelbarrow	—		Motor Truck	—	
Fork Truck	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Crossing Signals	25. Hitches	39. Other (Note in Remarks)
12. Cr[illegible] Signs	26. Hooks	
13. D[illegible]n Control	27. Horn	
14. Dec..	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

07 - Power Tools
08 - Materials Handling

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1-1040	Instrument Maintenance Shop	01	01	09	2	2	3/20/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIO
Acet. Tank	—		Freon Tank	—	
Air Receivers	—		HF Tank	—	
Boilers	—		UF_6 Containers	—	
Compressed Gas Cylinders	2		Water Storage Heaters	—	
Fluorine Tank	—		Other *(Note in Remarks)*	—	

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other *(Note in Remarks)*
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other *(Note in Remarks)*	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1040	Instrument Maintenance Shop	01	01	10	3	2	3/20
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto. .c Arc Cutting Unit	—		Oxygen-Arc Cutting Unit	—	
Automatic Arc Welding Unit	—		Paper Cutter	—	
Bench or Pedestal Grinder	1		Planer (metal)	—	
Blower	—		Planer (wood)	—	
Boring Mill	—		Power Press	—	
Centrifuge	—		Press Brake	—	
Compressor	—		Pulverizer	—	
Crusher	—		Pump	1	1(13-10)
Diesels (stationary)	—		Saw (band - metal)	—	
Drill Press	1		Saw (band - wood)	—	
Fans	—		Saw (circular - metal)	—	
Forming Rolls	—		Saw (circular - wood)	—	
Gear Cutter	—		Saw (jig)	—	
Grinding Machine	—		Saw (power - rip)	—	
Hobber	—		Saw (radial)	—	
Jointer	—		Saw (swing)	—	
Lathe (engine)	—		Screw Machine	—	
La: ret)	—		Shaper (metal)	—	
Lathe (woodworking)	—		Shaper (wood)	—	
Manual Arc Cutting Unit	—		Shears	—	
Manual Arc Welding Unit	—		Slicer	—	
Mixer	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

AUDITED BY (SIGNATURE) Neil B. Schultz

REVIEWED WITH (SIGNATURE) C. S. Butler

10 - Machinery and Equipment

JW

ALPHA CONTAMINATION AUDIT REPORT (3017)

Location K-1064 Salvage Yard Inner Area Date 6-7-61

Supervisor in Charge J. H. [illegible] Total Work Area 150 ft²

Operations in Progress No Work in Progress

Protective Measures in Force —

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	[illegible]	0
	Area Factor (Total)	0	0
	Area Factor (Wipe)	0	0

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
[illegible]					[illegible]	[illegible]

DW

ALPHA CONTAMINATION AUDIT REPORT (3017)

Location K-1064 Salvage Yard Lunch Area Date 11-12-71

Supervisor in Charge C.D. Page. Total Work Area 160. ft²

Operations in Progress —

Protective Measures in Force —

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	0	0
	Area Factor (Total)	0	0
	Area Factor (Wipe)	0	0

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Eating Area					150	
Table & Benches					<100	

	Range Surface	Range Wipe (c/m)	Weighting Factor				
Class 0	*	–	0	Total ft²			
Class I	500-2000	100-500	1				
Class II	2000-10,000	500-2000	5				
Class III	> 10,000	> 2000	20				
			Grand Total (ft²)				

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

UCN - 2021 (1 9-60)

BUILDING	LOCATION	DIVISION CODE	LOCATION C
K-1097	CARPENTER SHOP	01	81
IBM 1-45		49-50	51-52

AUDITED BY (SIGNATURE): J. B. Schultz

REVIEWED WITH (SIGNATURE): Ray Durbin

FIXED PROTECTION (Personal - Fire)

IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
	01	2	2	12-11
	53 - 54	55 - 58	59 - 62	63 -

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIC
Automatic Sprinkler System	—		Fire Extinguishers	/	
Emergency Exits	/		Protective Equip. Supply	—	
Emergency Station	—		P. A. System	—	
Evacuation Alarm	—		Safety Showers	—	
Eye Baths	—		Standpipes	—	
Fire Alarm Boxes	—		Other (Note in Remarks)	—	
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Damaged	10. Missing
2. Contents	11. Respiratory Equipment	2. Deteriorated	11. Not Labelled
3. Door	12. Rack	3. Dirty	12. Not Lighted
4. Fusible Link	13. Rollers	4. Improperly Stored	13. Not Posted
5. Hardware	14. Sprinkler Head	5. Inaccessible or Blocked	14. Out of Test Date
6. Hose	15. Stop Valve	6. Inadequate	15. Unsealed
7. Identification Light	16. Track	7. Inoperative	16. Other (Note in Remarks
8. Nozzle	17. Unit	8. Leaking	
9. Operating Instructions	18. Other	9. Location Not Indicated	

REMARKS:

ENVIRONMENTAL CONTROL

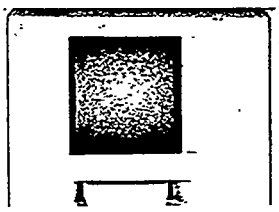
IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
	02	9	8
	53 - 54	55 - 58	59 - 62

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITIO
Cleanliness, Orderliness	/		Radiation (Thermal)	—	
Disposal of Scrap; Waste	2	1(6-3)	Radiation (Arc, Ionizing)	—	
Protection of Hazardous or Flammable Refuse	/		Traffic Control	/	
Storage — Material and Equipment	/		Illumination	/	
Storage — Compressed Gas Cylinders	/		Ventilation	/	
Vegetation Control	—		Other (Note in Remarks)	—	

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Creates Fire Hazard	10. Inadequate or Improper Ventilation Equipment	19. Not Properly Secured
2. Lunch Room	2. Dirty	11. Inadequate Warning Signs	20. Pedestrian Lanes Not Indicated
3. Office	3. Excessive Accumulation	12. Incorrect Lighting Fixtures	21. Poor Arrangement
4. Storage Area	4. Excessive Glare	13. Inoperative Equipment	22. Poorly Stacked
5. Washroom	5. Fire Lanes Blocked	14. Insufficient Illumination	23. Unsafe Method Used
6. Work Area	6. Inadequate Barricades	15. Materials Not Stored in Designated Areas	24. Wrong Type Container
	7. Inadequate Insulation	16. Material Protruding into Aisles	25. Special Hazards Not Marked
	8. Inadequate Sheilding	17. Metal Cap Missing	26. Ventilation Equipment Not Being Used
	9. Inadequate Traffic Markers	18. No Containers	27. Other (Note in Remarks)

REMARKS:

01 - Fixed Protection 02 - Environmental Control



UCN - 2021 (1 9-60)

WORK SURFACES	IBM	CLASS CODE 03 (53 - 54)	NO. INSPECTED 4 (55 - 58)	NO. SATISFACTORY 4 (59 - 62)

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON
Cat	—		Ladder (stationery)	—	
Exit	1		Platforms	—	
Floors	1		Scaffolds	—	
Furniture	2		Stairs	—	
Ladder (portable)	—		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

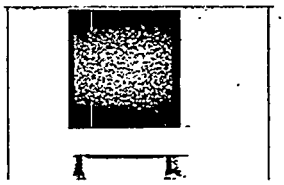
PIPING AND CONTAINERS	IBM	CLASS CODE 04 (53 - 54)	NO. INSPECTED 2 (55 - 58)	NO. SATISFACTORY 2 (59 - 62)

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITIO
Combustible Gas	—		Steam (Bld Ht.- Below 250 psig)	1	
Flammable Liquid	—		Steam (High Pressure - above - 250 psig)	—	
Toxic or Corrosive Liquid	—		Air	1	
Toxic or Corrosive Gas	—		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Cleaning Tank	9. Insulation	1. Broken	9. Kinked
2. Controls	10. Pipe	2. Corroded	10. Leaking
3. Couplings	11. Regulators	3. Damaged	11. Missing
4. Metal Containers	12. Safety Devices	4. Deteriorated	12. Not Pinned
5. Glass Containers	13. Tubing	5. Inadequate	13. Not Properly Identified
6. Hose	14. Valves	6. Inadequate Pressure Rating	14. Not Sealed
7. Grounding	15. Vents	7. Incorrect	15. Not Shielded
8. Guards or Supports	16. Housing	8. Inoperative	16. Plugged
	17. Other (Note in Remarks)		17. Other (Note in Remarks)

REM

03 - Work Surfaces 04 - Piping and Containers



SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

ELECTRICAL	IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTOR
		05	12	12
		53 - 54	55 - 58	59 - 62

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM - CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Corded Equipment	6	
Utilization Equipment	6	
Other (Note in Remarks)	—	
High Voltage Equipment (Above 480 Volts)		
Disconnects		
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Box Covers
3. Conduit
4. Connectors
5. Breaker
6. Grounds
7. Ground Mats
8. Identification
9. Inspection Date and Tag
10. Insulation
11. Plugs
12. Receptacles
13. Safety Switch
14. Switch
15. Warning Signs
16. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Does Not Meet Plant Specifications
6. Exposed Terminals
7. Missing
8. Not Provided
9. Ungrounded
10. Unguarded
11. Other (Note in Remarks)

REMARKS:

WORK PRACTICES	IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTOR
		06	6	6
		53 - 54	55 - 58	59 - 62

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	/		Use of Safe Attire	/	
Use of Tools	/		Use of Personnel Portective Devices	/	
Use and Maintenance of Machines & Equipment	/		Work Habits	/	
Use of Ionizing Radiation Sources	—				

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Use
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

05 - Electrical 06 - Work Practices

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS	IBM	CLASS CODE 07 53 - 54	NO. INSPECTED 5 55 - 58	NO. SATISFACTOR 5 59 - 62

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered	2	
Hand	3	
Hydraulic	—	
Pneumatic Powered	—	
Powder Actuated	—	
Laboratory Glassware	—	

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20 Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Rema
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES	IBM	CLASS CODE 08 53 - 54	NO. INSPECTED 53 - 58	NO. SATISFACTOR 59 - 62

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITI
Conveyor	—		Power Truck	—	
Chain Hoist	—		Tractor	—	
Electric Hoist	—		Plant Railway	—	
Winch or Tugger	—		Skid	—	
Sling	—		Pallet	—	
Lifting Fixture	—		Bicycle	—	
Dolley	—		Bus	—	
Hand Truck	—		Passenger Car	—	
Wheelbarrow	—		Motor Truck	—	
Fork Truck	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART

1. Access Ladders	9. Couplings	17. Fittings	25. Hitches	33. Runers
2. Bell	10. Crank	18. Forks	26. Hooks	34. Switches
3 Brakes	11. Crossing Signals	19. Frame	27. Horn	35. Ties
4. Bumping Post	12. Crossing Signs	20. Glass	28. Interlocks	36. Track
5. Cable	13. Dead Man Controls	21. Grounding Connection	29. Lights	37. Wheels
6. Chain	14. Deck	22. Guards	30. Limitswitches	38. Whistle
7. Clearance Markers	15. Dog	23. Handles	31. Road Bed	39. Other (Note in Remarks)
8. Controls	16. Exhaust	24. Handrails	32. Rope	

UNSATISFACTORY CONDITION

1. Broken	5. Damaged	9. Improperly Located	13. Maintenance	17. Other (Note in Remarks)
2. Construction	6. Deteriorated	10. Inadequate	14. Missing	
3. Corroded	7. Illegible	11. Inoperative	15. Overloaded	
4. Cracked	8. Improperly Adjusted	12. Kinked	16. Protruding Fastenings	

REI

07 - Hand and Portable Power Tools- 08 - Materials Handling Equiment - Vehicles

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS—COMPRESSED GAS CYLINDERS	IBM	CLASS CODE 09	NO. INSPECTED 2	NO. SATISFACTORY 2
		53 - 54	55 - 58	59 - 62

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIC
Ac ank	—		Freon Tank	—	
Air Receivers	—		HF Tank	—	
Boilers	—		UFe Containers	—	
Compressed Gas Cylinders	2		Water Storage Heaters	—	
Fluorine Tank	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Past Due
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Plugged
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Unsecured
4. Dikes	11. Shell	4. Deterioated	11. Missing	18. Other (Note in Remarks)
5. Drip Pans	12. Test	5. Inadequate	12. Not Sealed	
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Shielded	
7. Grounding or Bonding	14. Other (Note in Remarks)	7. Incorrect	14. Open Valve	

REMARKS:

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

MACHINERY AND EQUIPMENT

CLASS CODE 10	NO. INSPECTED	NO. SATISFACTORY
53 - 54	55 - 58	59 - 62
	6	5

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITI
Bel Pedestal Grinder	1	1(14-1)	Press Brake	—	
Blower	—		Pulverizer	—	
Boring Mill	—		Pump	—	
Centrifuge	—		Saw (band - metal)	—	
Compressor	—		Saw (band - wood)	1	
Crusher	—		Saw (circular - metal)	—	
Diesels (stationary)	—		Saw (circular- -wood)	1	
Drill Press	1		Saw (jig)	—	
Fans	—		Saw (power - rip)	—	
Forming Rolls	—		Saw (radial)	—	
Gear Cutter	—		Saw (swing)	—	
Grinding Machine	—		Screw Machine	—	
Hobber	—		Shaper (metal)	—	
Jointer	—		Shaper (wood)	1	
Lathe (engine)	—		Shears	—	
Lathe (turret)	—		Slicer	—	
Lathe (woodworking)	—		Welding or Cutting Unit Oxyacetylene - Manual	—	
M	—		Welding or Cutting Unit Electric - Manual	—	
Paper Cutter	—		Welding or Cutting Unit Oxyacetylene - Automatic	—	
Planer (metal)	—		Welding or Cutting Unit Electric - Automatic	—	
Planer (wood)	1				
Power Press	—		Other (Note in Remarks)		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	12. Feed Device	23. Limit Stop	1. Broken	11. Rough
2. Blowpipe	13. Grounding	24. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (electrode)	14. Guard	25. Regulator	3. Defective	13. Valve Open
4. Cable (power)	15. Guard (belt)	26. Safety Device	4. Improperly Adjusted	14. Wrong Size or Type
5. Chip Screen	16. Guard (gears)	27. Screens	5. Improperly Located	15. Other (Note in Remarks)
6. Clamp or Vise	17. Guard (projecting stock)	28. Spindle	6. Improperly Secured	
7. Controls	18. Guard (splash)	29. Tool Rest	7. Inadequate	
8. Cylinder Cart	19. Guard (tool or die)	30. Torch	8. Inoperative	
9. Cylinder	20. Guard (wheel)	31. Wheel Dressing	9. Maintenance	
10. Dust Collector	21. Hose	32. Other (Note in Remarks)	10. Missing	
11. Flanges	22. Inspection Date and Tag			

REMARKS:

UCN - 2021 (1 9-60)

BUILDING	LOCATION	DIVISION CODE	LOCATION CC
K-1098	BATCH PLANT	01	81
1 B M 1-45		49-50	51-52

AUDITED BY (SIGNATURE) [illegible]

REVIEWED WITH (SIGNATURE) R. M. Kemper

FIXED PROTECTION (Personal - Fire)

IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
	01	3	3	12/27/6
	53 - 54	55 - 58	59 - 62	63 - 7

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIO
Automatic Sprinkler System	—		Fire Extinguishers	2	
Emergency Exits	1		Protective Equip. Supply	—	
Emergency Station	—		P. A. System	—	
Evacuation Alarm	—		Safety Showers	—	
Eye Baths	—		Standpipes	—	
Fire Alarm Boxes	—		Other (Note in Remarks)	—	
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Damaged	10. Missing
2. Contents	11. Respiratory Equipment	2. Deteriorated	11. Not Labelled
3. Door	12. Rack	3. Dirty	12. Not Lighted
4. Fusible Link	13. Rollers	4. Improperly Stored	13. Not Posted
5. Hardware	14. Sprinkler Head	5. Inaccessible or Blocked	14. Out of Test Date
6. Hose	15. Stop Valve	6. Inadequate	15. Unsealed
7. Identification Light	16. Track	7. Inoperative	16. Other (Note in Remarks
8. Nozzle	17. Unit	8. Leaking	
9. Operating Instructions	18. Other	9. Location Not Indicated	

REMARKS:

ENVIRONMENTAL CONTROL

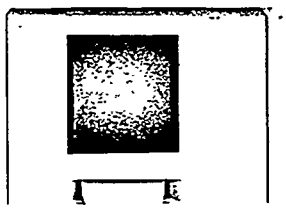
IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
	02	12	12
	53 - 54	55 - 58	59 - 62

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION
Cleanliness, Orderliness	2		Radiation (Thermal)	1	
Disposal of Scrap; Waste	2		Radiation (Arc, Ionizing)	—	
Protection of Hazardous or Flammable Refuse	1		Traffic Control	1	
Storage — Material and Equipment	2		Illumination	1	
Storage — Compressed Gas Cylinders	—		Ventilation	1	
Vegetation Control	1		Other (Note in Remarks)	—	

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Creates Fire Hazard	10. Inadequate or Improper Ventilation Equipment	19. Not Properly Secured
2. Lunch Room	2. Dirty	11. Inadequate Warning Signs	20. Pedestrian Lanes Not Indicated
3. Office	3. Excessive Accumulation	12. Incorrect Lighting Fixtures	21. Poor Arrangement
4. Storage Area	4. Excessive Glare	13. Inoperative Equipment	22. Poorly Stacked
5. Washroom	5. Fire Lanes Blocked	14. Insufficient Illumination	23. Unsafe Method Used
6. Work Area	6. Inadequate Barricades	15. Materials Not Stored in Designated Areas	24. Wrong Type Container
	7. Inadequate Insulation	16. Material Protruding into Aisles	25. Special Hazards Not Marked
	8. Inadequate Sheilding	17. Metal Cap Missing	26. Ventilation Equipment Not Being Used
	9. Inadequate Traffic Markers	18. No Containers	27. Other (Note in Remarks)

REMARKS:

01 - Fixed Protection 02 - Environmental Control



UCN - 2021 (1 9-60)

PAGE 1 OF 2

WORK SURFACES	IBM	CLASS CODE 03 (53 - 54)	NO. INSPECTED 13 (55 - 58)	NO. SATISFACTORY 13 (59 - 62)

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON
Cat	1		Ladder (stationery)	2	
Exit	2		Platforms	1	
Floors	2		Scaffolds	—	
Furniture	3		Stairs	1	
Ladder (portable)	1		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9 Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS	IBM	CLASS CODE 04 (53 - 54)	NO. INSPECTED 3 (55 - 58)	NO. SATISFACTORY 3 (59 - 62)

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITIO
Combustible Gas	—		Steam (Bld Ht.- Below 250 psig)	1	
Flammable Liquid	1		Steam (High Pressure - above - 250 psig)	—	
Toxic or Corrosive Liquid	—		Air	1	
Toxic or Corrosive Gas	—		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Cleaning Tank	9. Insulation	1. Broken	9. Kinked
2. Controls	10. Pipe	2. Corroded	10. Leaking
3. Couplings	11. Regulators	3. Damaged	11. Missing
4. Metal Containers	12. Safety Devices	4. Deteriorated	12. Not Pinned
5. Glass Containers	13. Tubing	5. Inadequate	13. Not Properly Identified
6. Hose	14. Valves	6. Inadequate Pressure Rating	14. Not Sealed
7. Grounding	15. Vents	7. Incorrect	15. Not Shielded
8. Guards or Supports	16. Housing	8. Inoperative	16. Plugged
	17. Other (Note in Remarks)		17. Other (Note in Remarks)

REM

03 - Work Surfaces 04 - Piping and Containers

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

ELECTRICAL	IBM	CLASS CODE 05 (53 - 54)	NO. INSPECTED 10 (55 - 58)	NO. SATISFACTOR 10 (59 - 62)

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM - CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Corded Equipment	6	(1961).
Utilization Equipment	4	Paint [illegible] tags
Other (Note in Remarks)	—	
High Voltage Equipment (Above 480 Volts)		
Disconnects	—	
Rotating Equipment	—	
Other (Note in Remarks)	—	

ITEMS UNSATISFACTORY

1. Boxes
2. Box Covers
3. Conduit
4. Connectors
5. Breaker
6. Grounds
7. Ground Mats
8. Identification
9. Inspection Date and Tag
10. Insulation
11. Plugs
12. Receptacles
13. Safety Switch
14. Switch
15. Warning Signs
16. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Does Not Meet Plant Specifications
6. Exposed Terminals
7. Missing
8. Not Provided
9. Ungrounded
10. Unguarded
11. Other (Note in Remarks)

REMARKS:

WORK PRACTICES	IBM	CLASS CODE 06 (53 - 54)	NO. INSPECTED (55 - 58)	NO. SATISFACTOR (59 - 62)

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	—		Use of Safe Attire	—	
Use of Tools	—		Use of Personnel Portective Devices	—	
Use and Maintenance of Machines & Equipment	—		Work Habits	—	
Use of Ionizing Radiation Sources	—			—	

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Use
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

05 - Electrical 06 - Work Practices

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS	IBM	CLASS CODE 07 (53 - 54)	NO. INSPECTED 9 (55 - 58)	NO. SATISFACTOR 9 (59 - 62)

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Elc owered	2	
Hand	6	
Hydraulic	—	
Pneumatic Powered	1	
Powder Actuated	—	
Laboratory Glassware	—	

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Rem.
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES	IBM	CLASS CODE 08 (53 - 54)	NO. INSPECTED 18 (55 - 58)	NO. SATISFACTOR 18 (59 - 62)

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITI
Conveyor	—		Power Truck	—	
Chain Hoist	—		Tractor	—	
Electric Hoist	—		Plant Railway	—	
Winch or Tugger	—		Skid	—	
Sling	—		Pallet	6	
Lifting Fixture	1		Bicycle	2	
Dolley	—		Bus	—	
Hand Truck	3		Passenger Car	—	
Wheelbarrow	4		Motor Truck	2	999 1049
Fork Truck	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART

1. Access Ladders	9. Couplings	17. Fittings	25 Hitches	33. Runers
2. Bell	10. Crank	18. Forks	26. Hooks	34. Switches
3. Brakes	11. Crossing Signals	19. Frame	27. Horn	35. Ties
4. Bumping Post	12. Crossing Signs	20. Glass	28. Interlocks	36. Track
5. Cable	13. Dead Man Controls	21. Grounding Connection	29. Lights	37. Wheels
6. Chain	14. Deck	22. Guards	30. Limitswitches	38. Whistle
7. Clearance Markers	15. Dog	23. Handles	31. Road Bed	39. Other (Note in Remarks)
8. Controls	16. Exhaust	24. Handrails	32. Rope	

UNSATISFACTORY CONDITION

1. Broken	5. Damaged	9. Improperly Located	13. Maintenance	17. Other (Note in Remarks)
2. Construction	6. Deteriorated	10. Inadequate	14. Missing	
3. Corroded	7. Illegible	11. Inoperative	15. Overloaded	
4. Cracked	8. Improperly Adjusted	12. Kinked	16. Protruding Fastenings	

RE :

07 - Hand and Portable Power Tools- 08 - Materials Handling Equiment - Vehicles

SAFETY AUDIT REPORT

4CN - 2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS—COMPRESSED GAS CYLINDERS	IBM	CLASS CODE 09	NO. INSPECTED 1	NO. SATISFACTOR 0
		53 - 54	55 - 58	59 - 62

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIC
Acid Tank	—		Freon Tank	—	
Air Receivers	—		HF Tank	—	
Boilers	—		UF_6 Containers	—	
Compressed Gas Cylinders	—		Water Storage Heaters	1	1(13 – 16)
Fluorine Tank	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Past Due
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Plugged
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Unsecured
4. Dikes	11. Shell	4. Deterioated	11. Missing	18. Other (Note in Remarks)
5. Drip Pans	12. Test	5. Inadequate	12. Not Sealed	
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Shielded	
7. Grounding or Bonding	14. Other (Note in Remarks)	7. Incorrect	14. Open Valve	

REMARKS:

SAFETY AUDIT REPORT

OCN - 2021 (1 9-60)

MACHINERY AND EQUIPMENT

IBM	CLASS CODE 10	NO. INSPECTED	NO. SATISFACTO
	53 - 54	55 - 58	59 - 62
		5	5

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDIT
Bel Pedestal Grinder	—		Press Brake	—	
Blower	—		Pulverizer	—	
Boring Mill	—		Pump	1	
Centrifuge	—		Saw (band - metal)	—	
Compressor	—		Saw (band - wood)	—	
Crusher	—		Saw (circular - ~~metal~~) cut off	2	
Diesels (stationary)	—		Saw (circular- -wood)	—	
Drill Press	—		Saw (jig)	—	
Fans	2		Saw (power - rip)	—	
Forming Rolls	—		Saw (radial)	—	
Gear Cutter	—		Saw (swing)	—	
Grinding Machine	—		Screw Machine	—	
Hobber	—		Shaper (metal)	—	
Jointer	—		Shaper (wood)	—	
Lathe (engine)	—		Shears	—	
Lathe (turret)	—		Slicer	—	
Lathe (woodworking)	—		Welding or Cutting Unit Oxyacetylene - Manual	—	
M	—		Welding or Cutting Unit Electric - Manual	—	
Paper Cutter	—		Welding or Cutting Unit Oxyacetylene - Automatic	—	
Planer (metal)	—		Welding or Cutting Unit Electric - Automatic	—	
Planer (wood)	—				
Power Press	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	12. Feed Device	23. Limit Stop	1. Broken	11. Rough
2. Blowpipe	13. Grounding	24. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (electrode)	14. Guard	25. Regulator	3. Defective	13. Valve Open
4. Cable (power)	15. Guard (belt)	26. Safety Device	4. Improperly Adjusted	14. Wrong Size or Type
5. Chip Screen	16. Guard (gears)	27. Screens	5. Improperly Located	15. Other (Note in Remarks)
6. Clamp or Vise	17. Guard (projecting stock)	28. Spindle	6. Improperly Secured	
7. Controls	18. Guard (splash)	29. Tool Rest	7. Inadequate	
8. Cylinder Cart	19. Guard (tool or die)	30. Torch	8. Inoperative	
9. Cylinder	20. Guard (wheel)	31. Wheel Dressing	9. Maintenance	
10. Dust Collector	21. Hose	32. Other (Note in Remarks)	10. Missing	
11. Flanges	22. Inspection Date and Tag			

REMARKS:

UCN - 2021 (1) 5-67

BUILDING	LOCATION	DIVISION CODE	LOCATION CC
K-1098-D	EQUIPMENT STORAGE	01	72
IBM 1-48		49-50	51-52

AUDITED BY (SIGNATURE): Neil B. Schultz

REVIEWED WITH (SIGNATURE): T. Mahoney

FIXED PROTECTION (Personal - Fire)

IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
	01	5	5	11-30-
	53 - 54	55 - 58	59 - 62	63 - 7

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIO
Automatic Sprinkler System	—		Fire Extinguishers	2	
Emergency Exits	2		Protective Equip. Supply	1	
Emergency Station	—		P. A. System	—	
Evacuation Alarm	—		Safety Showers	—	
Eye Baths	—		Standpipes	—	
Fire Alarm Boxes	—		Other (Note in Remarks)	—	
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Damaged	10. Missing
2. Contents	11. Respiratory Equipment	2. Deteriorated	11. Not Labelled
3. Door	12. Rack	3. Dirty	12. Not Lighted
4. Fusible Link	13. Rollers	4. Improperly Stored	13. Not Posted
5. Hardware	14. Sprinkler Head	5. Inaccessible or Blocked	14. Out of Test Date
6. Hose	15. Stop Valve	6. Inadequate	15. Unsealed
7. Identification Light	16. Track	7. Inoperative	16. Other (Note in Remarks
8. Nozzle	17. Unit	8. Leaking	
9. Operating Instructions	18. Other	9. Location Not Indicated	

REMARKS:

ENVIRONMENTAL CONTROL

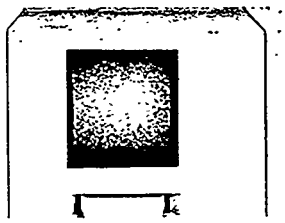
IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
	02	12	12
	53 - 54	55 - 58	59 - 62

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION
Cleanliness, Orderliness	2		Radiation (Thermal)	—	
Disposal of Scrap; Waste	2		Radiation (Arc, Ionizing)	—	
Protection of Hazardous or Flammable Refuse	2		Traffic Control	1	
Storage — Material and Equipment	2		Illumination	1	
Storage — Compressed Gas Cylinders	—		Ventilation	1	
Vegetation Control	1		Other (Note in Remarks)	—	

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Creates Fire Hazard	10. Inadequate or Improper Ventilation Equipment	19. Not Properly Secured
2. Lunch Room	2. Dirty	11. Inadequate Warning Signs	20. Pedestrian Lanes Not Indicated
3. Office	3. Excessive Accumulation	12. Incorrect Lighting Fixtures	21. Poor Arrangement
4. Storage Area	4. Excessive Glare	13. Inoperative Equipment	22. Poorly Stacked
5. Washroom	5. Fire Lanes Blocked	14. Insufficient Illumination	23. Unsafe Method Used
6. Work Area	6. Inadequate Barricades	15. Materials Not Stored in Designated Areas	24. Wrong Type Container
	7. Inadequate Insulation	16. Material Protruding into Aisles	25. Special Hazards Not Marked
	8. Inadequate Sheilding	17. Metal Cap Missing	26. Ventilation Equipment Not Being Used
	9. Inadequate Traffic Markers	18. No Containers	27. Other (Note in Remarks)

REMARKS:

01 - Fixed Protection 02 - Environmental Control



WORK SURFACES	IBM	CLASS CODE 03 (53 - 54)	NO. INSPECTED 5 (55 - 58)	NO. SATISFACTORY 5 (59 - 62)

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Cat	—		Ladder (stationery)	—	
Exit	2		Platforms	—	
Floors	2		Scaffolds	—	
Furniture	1		Stairs	—	
Ladder (portable)	—		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

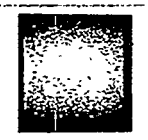
PIPING AND CONTAINERS	IBM	CLASS CODE 04 (53 - 54)	NO. INSPECTED 5 (55 - 58)	NO. SATISFACTORY 5 (59 - 62)

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Combustible Gas	—		Steam (Bld Ht.- Below 250 psig)	1	
Flammable Liquid	4		Steam (High Pressure - above - 250 psig)	—	
Toxic or Corrosive Liquid	—		Air	—	
Toxic or Corrosive Gas	—		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Cleaning Tank	9. Insulation	1. Broken	9. Kinked
2. Controls	10. Pipe	2. Corroded	10. Leaking
3. Couplings	11. Regulators	3. Damaged	11. Missing
4. Metal Containers	12. Safety Devices	4. Deteriorated	12. Not Pinned
5. Glass Containers	13. Tubing	5. Inadequate	13. Not Properly Identified
6. Hose	14. Valves	6. Inadequate Pressure Rating	14. Not Sealed
7. Grounding	15. Vents	7. Incorrect	15. Not Shielded
8. Guards or Supports	16. Housing	8. Inoperative	16. Plugged
	17. Other (Note in Remarks)		17. Other (Note in Remarks)

REM

03 - Work Surfaces 04 - Piping and Containers



ELECTRICAL	IBM	CLASS CODE 05 (53 - 54)	NO. INSPECTED 7 (55 - 58)	NO. SATISFACTOR 3 (59 - 62)

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM - CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Corded Equipment	3	3(9-5)
Utilization Equipment	4	1(8-7)
Other (Note in Remarks)	—	
High Voltage Equipment (Above 480 Volts)		
Disconnects	—	
Rotating Equipment	—	
Other (Note in Remarks)	—	

ITEMS UNSATISFACTORY

1. Boxes
2. Box Covers
3. Conduit
4. Connectors
5. Breaker
6. Grounds
7. Ground Mats
8. Identification
9. Inspection Date and Tag
10. Insulation
11. Plugs
12. Receptacles
13. Safety Switch
14. Switch
15. Warning Signs
16. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Does Not Meet Plant Specifications
6. Exposed Terminals
7. Missing
8. Not Provided
9. Ungrounded
10. Unguarded
11. Other (Note in Remarks)

REMARKS:

WORK PRACTICES	IBM	CLASS CODE 06 (53 - 54)	NO. INSPECTED — (55 - 58)	NO. SATISFACTOR — (59 - 62)

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	—		Use of Safe Attire	—	
Use of Tools	—		Use of Personnel Portective Devices	—	
Use and Maintenance of Machines & Equipment	—		Work Habits	—	
Use of Ionizing Radiation Sources	—			—	

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Use
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

05 - Electrical 06 - Work Practices

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS	IBM	CLASS CODE 07 (53 - 54)	NO. INSPECTED 36 (55 - 58)	NO. SATISFACTO 36 (59 - 62)

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
El 'owered	—	
Hand	30	
Hydraulic	—	
Pneumatic Powered	6	
Powder Actuated	—	
Laboratory Glassware	—	

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Rem
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES	IBM	CLASS CODE 08 (53 - 54)	NO. INSPECTED 20 (55 - 58)	NO. SATISFACTO 20 (59 - 62)

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITI
Conveyor	—		Power Truck	—	
Chain Hoist	—		Tractor	4	
Electric Hoist	—		Plant Railway	—	
Winch or Tugger	—		Skid	—	
Sling	—		Pallet	—	
Lifting Fixture	—		Bicycle	2	
Dolley	—		Bus	—	
Hand Truck	—		Passenger Car	—	
Wheelbarrow	2		Motor Truck	12	
Fork Truck	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART

1. Access Ladders	9. Couplings	17. Fittings	25. Hitches	33. Runers
2. Bell	10. Crank	18. Forks	26. Hooks	34. Switches
3. Brakes	11. Crossing Signals	19. Frame	27. Horn	35. Ties
4. Bumping Post	12. Crossing Signs	20. Glass	28. Interlocks	36. Track
5. Cable	13. Dead Man Controls	21. Grounding Connection	29. Lights	37. Wheels
6. Chain	14. Deck	22. Guards	30. Limitswitches	38. Whistle
7. Clearance Markers	15. Dog	23. Handles	31. Road Bed	39. Other (Note in Remarks)
8. Controls	16. Exhaust	24. Handrails	32. Rope	

UNSATISFACTORY CONDITION

1. Broken	5. Damaged	9. Improperly Located	13. Maintenance	17. Other (Note in Remarks)
2. Construction	6. Deteriorated	10. Inadequate	14. Missing	
3. Corroded	7. Illegible	11. Inoperative	15. Overloaded	
4. Cracked	8. Improperly Adjusted	12. Kinked	16. Protruding Fastenings	

REF' 3:

07 - Hand and Portable Power Tools- 08 - Materials Handling Equiment - Vehicles

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS—COMPRESSED GAS CYLINDERS	18M	CLASS CODE 09	NO. INSPECTED 2	NO. SATISFACTOR 2
		53 - 54	55 - 58	59 - 62

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIC
Ac, 'ank	—		Freon Tank	—	
Air Receivers	/		HF Tank	—	
Boilers	—		UF6 Containers	—	
Compressed Gas Cylinders	—		Water Storage Heaters	/	
Fluorine Tank	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Past Due
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Plugged
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Unsecured
4. Dikes	11. Shell	4. Deterioated	11. Missing	18. Other (Note in Remarks)
5. Drip Pans	12. Test	5. Inadequate	12. Not Sealed	
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Shielded	
7. Grounding or Bonding	14. Other (Note in Remarks)	7. Incorrect	14. Open Valve	

REMARKS:

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

MACHINERY AND EQUIPMENT

CLASS CODE 10	NO. INSPECTED	NO. SATISFACTOR
53 - 54	55 - 58	59 - 62
	16	14

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITI
Br Pedestal Grinder	—		Press Brake	—	
Blower	—		Pulverizer	—	
Boring Mill	—		Pump	4	2(15 — 10) *
Centrifuge	—		Saw (band - metal)	—	
Compressor	—		Saw (band - wood)	—	
Crusher	—		Saw (circular - metal)	—	
Diesels (stationary)	—		Saw (circular- -wood)	—	
Drill Press	—		Saw (jig)	—	
Fans	—		Saw (power - rip)	—	
Forming Rolls	—		Saw (radial)	—	
Gear Cutter	—		Saw (swing)	—	
Grinding Machine	—		Screw Machine	—	
Hobber	—		Shaper (metal)	—	
Jointer			Shaper (wood)	—	
Lathe (engine)	—		Shears	—	
Lathe (turret)	—		Slicer	—	
Lathe (woodworking)	—		Welding or Cutting Unit Oxyacetylene - Manual	—	
Mi	—		Welding or Cutting Unit Electric - Manual	—	
Pape. utter	—		Welding or Cutting Unit Oxyacetylene - Automatic	—	
Planer (metal)	—		Welding or Cutting Unit Electric - Automatic	—	
Planer (wood)	—				
Power Press	—		Other (Note in Remarks)	12	Mowers

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	12. Feed Device	23. Limit Stop	1. Broken	11. Rough
2. Blowpipe	13. Grounding	24. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (electrode)	14. Guard	25. Regulator	3. Defective	13. Valve Open
4. Cable (power)	15. Guard (belt)	26. Safety Device	4. Improperly Adjusted	14. Wrong Size or Type
5. Chip Screen	16. Guard (gears)	27. Screens	5. Improperly Located	15. Other (Note in Remarks)
6. Clamp or Vise	17. Guard (projecting stock)	28. Spindle	6. Improperly Secured	
7. Controls	18. Guard (splash)	29. Tool Rest	7. Inadequate	
8. Cylinder Cart	19. Guard (tool or die)	30. Torch	8. Inoperative	
9. Cylinder	20. Guard (wheel)	31. Wheel Dressing	9. Maintenance	
10. Dust Collector	21. Hose	32. Other (Note in Remarks)	10. Missing	
11. Flanges	22. Inspection Date and Tag			

REMARKS:

* Commercial product; as received from vendor.

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

XRV

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
10980	EQUIPMENT STORAGE	01	72	01	2	2	6-22-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto. Sprinkler System			Fire Extinguishers	1	1 (3-10) *
Emergency Exits			Protective Equip. Supply		
Emergency ~~Station~~ EQPT	1	1 (all mts.) **	P. A. System		
Evacuation Alarm			Safety Showers		
Eye Baths			Standpipes		
Fire Alarm Boxes			Other (Note in Remarks)		
Fire Doors					

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS: * CONSIDER MOUNTING ON WALL & IDENTIFICATION
** GAS MASK (ABOUT 15) OUT OF DATE SINCE 1965 OR 1966

ENVIRONMENTAL CONTROL

BUILD.	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO SATISFACTORY	DATE
10980	EQUIPMENT STORAGE	01		02	9	6	6-22-7
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	IIII	1 (4-8) 1 (4-*)	Radiating Surfaces	—	
Illumination	—		Traffic Control	—	
Material Containment	~~III~~ II	(4-8)** 1 (4-19) ***	Ventilation	—	
Radiation	—		Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Area
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS: 4* COVER NEEDED FOR COMBUSTIBLE SCRAP CONTAINER AND ALTHOUGH GENERAL STORAGE IS VERY GOOD ~~[illegible]~~ SEVERAL ~~[illegible]~~ ITEMS ARE LEFT ON FLOOR THAT SHOULD BE IN RACKS BINS OR OTHER DESIGNATED STORAGE
** INSUFFICIENT BIN STORAGE INDICATED BY MATERIAL ON TOPS OF BINS, PROTRUDING INTO AISLES ETC
*** SAFETY CANS FOR FLAMABLE LIQUIDS NO PROPERLY IDENTIFIED.

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01 - Fixed Protection
02 - Environmental Control

46-33-0-0

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1098D	Equipment Storage	01		03	8	6	6-22-1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED		NO. UNSATISFACTORY (PART - REASON)
Cat			Ladder (stationery)		
Exit			Platforms		
Floors	///	1(16-14)*	Scaffolds		
Furniture	//	1 (11-1) (FLAMABLE STORAGE)	Stairs		
Ladder (portable)	///	**1(6-14)	Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS: * MINOR OIL SPILL,

** aluminum step ladder is not approved for general plant use.

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
				04			
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine			Steam (Bldg Ht - Below 15 psig)		
Hydrofluoric Acid			Steam (Low Pressure - 15 - 250 psig)		
Natural Gas			Steam (High Pressure - above 250 psig)		
Pyrofax			Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS: ~~** ALUMINUM STEP LADDER IS NOT APPROVED FOR GENERAL PLANT USE,~~

AUDITED BY (SIGNATURE) [signature]

REVIEWED WITH (SIGNATURE) E. L. Boyd

03 - Work Surfaces
04 - Piping & Containers

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1098	Equipment Storage	01		05	6	1	6-22-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)	~~III~~	III (8-6) *
Corded Equipment	1	
Utilization Equipment	—	
High Voltage Equipment (Above 480 Volts)		
Disconnects		
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
6. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

* EXTENSION CORDS NOT GENERALLY IN THE BUILDING DURING INSPECTION PERIOD.

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
				06			
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling			Use of Safe Attire		
Use of Tools			Use of Personnel Protective Devices		
Use and Maintenance of Machines & Equipment			Work Habits		
Use of Ionizing Radiation Sources					

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE) E. L. Boyd

05 - Electrical
06 - Work Practices

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1098	Equipment Storage	01		07	12	9	6-22-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Elec. Powered	1	1 (14)
Hand	~~IIII~~	1(7) 1(10)
Hydraulic	1	
Pneumatic Powered		
Powder Actuated		

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1098	Equipment Storage	01		08	6	6	6-22-7
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor	—		Power Truck		
Chain Hoist			Tractor		
Electric Hoist			Plant Railway		
Winch or Tugger	—		Skid		
Sling	III		Pallet		
Lifting Fixture	~~II~~		Bicycle		
Dolley	II		Bus		
Handtruck			Passenger Car		
Wheelbarrow	I		Motor Truck		
Fork Truck			Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Crossing Signals	25. Hitches	39. Other (Note in Remarks)
12. C[illegible] Signs	26. Hooks	
13. D[illegible]n Control	27. Horn	
14. Dec[illegible]	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE) [illegible]

REVIEWED WITH (SIGNATURE) E. L. Boyd

07 - Power Tools

08 - Materials Handling

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
				09			
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIC
Ace ank			Freon Tank		
Air Receivers			HF Tank		
Boilers			UF_6 Containers		
Compressed Gas Cylinders			Water Storage Heaters		
Fluorine Tank			Other *(Note in Remarks)*		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other *(Note in Remarks)*
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other *(Note in Remarks)*	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE)	REVIEWED WITH (SIGNATURE)

09 - Pressure Vessels & Gas Cylinders

2 of 6

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1058	Equipment Storage	01		10	3	3	6-22
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIO
Automatic Arc Cutting Unit			Oxygen-Arc Cutting Unit		
Automatic Arc Welding Unit			Paper Cutter		
Bench or Pedestal Grinder			Planer (metal)		
Blower			Planer (wood)		
Boring Mill			Power Press		
Centrifuge			Press Brake		
Compressor	1		Pulverizer		
Crusher			Pump	11	
Diesels (stationary)			Saw (band - metal)		
Drill Press			Saw (band - wood)		
Fans			Saw (circular - metal)		
Forming Rolls			Saw (circular - wood)		
Gear Cutter			Saw (jig)		
Grinding Machine			Saw (power - rip)		
Hobber			Saw (radial)		
Jointer			Saw (swing)		
Lathe (engine)			Screw Machine		
Lathe (turret)			Shaper (metal)		
Lathe (woodworking)			Shaper (wood)		
Manual Arc Cutting Unit			Shears		
Manual Arc Welding Unit			Slicer		
Mixer			Other *(Note in Remarks)*		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other *(Note in Remarks)*
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other *(Note in Remarks)*	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

AUDITED BY (SIGNATURE) [signature]

REVIEWED WITH (SIGNATURE) E. L. Bayst

10 - Machinery and Equipment

UCN - 2021 (1 9-60)

PAGE 1 OF 4

BUILDING	LOCATION	DIVISION CODE	LOCATION CO
K-1098-E	HEAT TREAT BUILDING	01	47
1 B M 1-45		49-50	51-52

AUDITED BY (SIGNATURE): T. R. Schultz

REVIEWED WITH (SIGNATURE): C. O. Hendrick

FIXED PROTECTION (Personal - Fire) IBM

CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01	5	5	10/21/
53 - 54	55 - 58	59 - 62	63 - 7

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIO
Automatic Sprinkler System	—		Fire Extinguishers	3	
Emergency Exits	2		Protective Equip. Supply	—	
Emergency Station	—		P. A. System	—	
Evacuation Alarm	—		Safety Showers	—	
Eye Baths	—		Standpipes	—	
Fire Alarm Boxes	—		Other (Note in Remarks)	—	
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Damaged	10. Missing
2. Contents	11. Respiratory Equipment	2. Deteriorated	11. Not Labelled
3. Door	12. Rack	3. Dirty	12. Not Lighted
4. Fusible Link	13. Rollers	4. Improperly Stored	13. Not Posted
5. Hardware	14. Sprinkler Head	5. Inaccessible or Blocked	14. Out of Test Date
6. Hose	15. Stop Valve	6. Inadequate	15. Unsealed
7. Identification Light	16. Track	7. Inoperative	16. Other (Note in Remarks
8. Nozzle	17. Unit	8. Leaking	
9. Operating Instructions	18. Other	9. Location Not Indicated	

REMARKS:

ENVIRONMENTAL CONTROL IBM

CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
02	24	23
53 - 54	55 - 58	59 - 62

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION
Cleanliness, Orderliness	4	1 (3 -3)	Radiation (Thermal)	4	
Disposal of Scrap; Waste	2		Radiation (Arc, Ionizing)	—	
Protection of Hazardous or Flammable Refuse	2		Traffic Control	2	
Storage — Material and Equipment	2		Illumination	2	
Storage — Compressed Gas Cylinders	4		Ventilation	2	
Vegetation Control	—		Other (Note in Remarks)	—	

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Creates Fire Hazard	10. Inadequate or Improper Ventilation Equipment	19. Not Properly Secured
2. Lunch Room	2. Dirty	11. Inadequate Warning Signs	20. Pedestrian Lanes Not Indicated
3. Office	3. Excessive Accumulation	12. Incorrect Lighting Fixtures	21. Poor Arrangement
4. Storage Area	4. Excessive Glare	13. Inoperative Equipment	22. Poorly Stacked
5. Washroom	5. Fire Lanes Blocked	14. Insufficient Illumination	23. Unsafe Method Used
6. Work Area	6. Inadequate Barricades	15. Materials Not Stored in Designated Areas	24. Wrong Type Container
	7. Inadequate Insulation	16. Material Protruding into Aisles	25. Special Hazards Not Marked
	8. Inadequate Sheilding	17. Metal Cap Missing	26. Ventilation Equipment Not Being Used
	9. Inadequate Traffic Markers	18. No Containers	27. Other (Note in Remarks)

REMARKS:

Lab. equipment grea to Process Lab.
Some eqip. scheduled for K-1420

01 - Fixed Protection 02 - Environmental Control

WORK SURFACES	IBM	CLASS CODE 03 (53 - 54)	NO. INSPECTED 9 (55 - 58)	NO. SATISFACTORY 9 (59 - 62)

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON
Cat	1		Ladder (stationery)	—	
Exit	2		Platforms	—	
Floors	2		Scaffolds	—	
Furniture	3		Stairs	—	
Ladder (portable)	1		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. S'de Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS	IBM	CLASS CODE 04 (53 - 54)	NO. INSPECTED 4 (55 - 58)	NO. SATISFACTORY 4 (59 - 62)

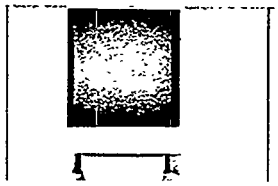
SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITIO
Combustible Gas	1		Steam (Bld Ht.- Below 250 psig)	1	
Flammable Liquid	1	1 (4 — 5) *	Steam (High Pressure - above - 250 psig)	—	
Toxic or Corrosive Liquid	1		Air	1	
Toxic or Corrosive Gas	—		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Cleaning Tank	9. Insulation	1. Broken	9. Kinked
2. Controls	10. Pipe	2. Corroded	10. Leaking
3. Couplings	11. Regulators	3. Damaged	11. Missing
4. Metal Containers	12. Safety Devices	4. Deteriorated	12. Not Pinned
5. Glass Containers	13. Tubing	5. Inadequate	13. Not Properly Identified
6. Hose	14. Valves	6. Inadequate Pressure Rating	14. Not Sealed
7. Grounding	15. Vents	7. Incorrect	15. Not Shielded
8. Guards or Supports	16. Housing	8. Inoperative	16. Plugged
	17. Other (Note in Remarks)		17. Other (Note in Remarks)

REM

* Chromalox bath or quencher — (wooden cover) (Scheduled for modification).

03 - Work Surfaces 04 - Piping and Containers



UCN - 2021 (1 9-60)

ELECTRICAL	IBM	CLASS CODE 05 (53 - 54)	NO. INSPECTED 10 (55 - 58)	NO. SATISFACTOR 8 (59 - 62)

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM - CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Corded Equipment	4	
Utilization Equipment	6	2(8-8) *
Other (Note in Remarks)	—	
High Voltage Equipment (Above 480 Volts)		
Disconnects		
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Box Covers
3. Conduit
4. Connectors
5. Breaker
6. Grounds
7. Ground Mats
8. Identification
9. Inspection Date and Tag
10. Insulation
11. Plugs
12. Receptacles
13. Safety Switch
14. Switch
15. Warning Signs
16. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Does Not Meet Plant Specifications
6. Exposed Terminals
7. Missing
8. Not Provided
9. Ungrounded
10. Unguarded
11. Other (Note in Remarks)

REMARKS:

* Electrodes to heaters of Westinghouse furnaces subject to contact with metal hearth during positioning by operators.

WORK PRACTICES	IBM	CLASS CODE 06 (53 - 54)	NO. INSPECTED 16 (55 - 58)	NO. SATISFACTOR 15 (59 - 62)

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	3		Use of Safe Attire	3	
Use of Tools	3		Use of Personnel Portective Devices	2	
Use and Maintenance of Machines & Equipment	2		Work Habits	3	1 oxygen & acetylene cylinders not secured off when not in use
Use of Ionizing Radiation Sources	—				

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Use
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

05 - Electrical 06 - Work Practices

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS	IBM	CLASS CODE 07 (53 - 54)	NO. INSPECTED 24 (55 - 58)	NO. SATISFACTOR 21 (59 - 62)

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered	1	
Hand	14	
Hydraulic	1	
Pneumatic Powered	—	
Powder Actuated	—	
Laboratory Glassware	8	3 (13)

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Rem.
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES	IBM	CLASS CODE 08 (53 - 54)	NO. INSPECTED 6 (55 - 58)	NO. SATISFACTOI 6 (59 - 62)

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITI
Conveyor	—		Power Truck	—	
Chain Hoist	—		Tractor	—	
Electric Hoist	1		Plant Railway	—	
Winch or Tugger	—		Skid	—	
Sling	—		Pallet	2	
Lifting Fixture	—		Bicycle	1	
Dolley	—		Bus	—	
Hand Truck	1		Passenger Car	—	
Wheelbarrow	—		Motor Truck	—	
Fork Truck	1		Other (Note in Remarks)	—	

UNSATISFACTORY PART

1. Access Ladders	9. Couplings	17. Fittings	25. Hitches	33. Runers
2. Bell	10. Crank	18. Forks	26. Hooks	34. Switches
3. Brakes	11. Crossing Signals	19. Frame	27. Horn	35. Ties
4. Bumping Post	12. Crossing Signs	20. Glass	28. Interlocks	36. Track
5. Cable	13. Dead Man Controls	21. Grounding Connection	29. Lights	37. Wheels
6. Chain	14. Deck	22. Guards	30. Limitswitches	38. Whistle
7. Clearance Markers	15. Dog	23. Handles	31. Road Bed	39. Other (Note in Remarks)
8. Controls	16. Exhaust	24. Handrails	32. Rope	

UNSATISFACTORY CONDITION

1. Broken	5. Damaged	9. Improperly Located	13. Maintenance	17. Other (Note in Remarks)
2. Construction	6. Deteriorated	10. Inadequate	14. Missing	
3. Corroded	7. Illegible	11. Inoperative	15. Overloaded	
4. Cracked	8. Improperly Adjusted	12. Kinked	16. Protruding Fastenings	

REMARKS:

07 - Hand and Portable Power Tools- 08 - Materials Handling Equipment - Vehicles

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS—COMPRESSED GAS CYLINDERS	IBM	CLASS CODE 09	NO. INSPECTED	NO. SATISFACTORY
		33 - 34	35 - 38	39 - 42

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIC
Ac ank	—		Freon Tank	—	
Air Receivers	—		HF Tank	—	
Boilers	—		UFe Containers	—	
Compressed Gas Cylinders	6		Water Storage Heaters	1	
Fluorine Tank	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Past Due
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Plugged
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Unsecured
4. Dikes	11. Shell	4. Deterioated	11. Missing	18. Other (Note in Remarks)
5. Drip Pans	12. Test	5. Inadequate	12. Not Sealed	
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Shielded	
7. Grounding or Bonding	14. Other (Note in Remarks)	7. Incorrect	14. Open Valve	

REMARKS:

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

MACHINERY AND EQUIPMENT

CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
10	9	5
53 - 54	55 - 58	59 - 62

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITI
Bel Pedestal Grinder	1		Press Brake	—	
Blower	—		Pulverizer	—	
Boring Mill	—		Pump	2	2(14—10)
Centrifuge	—		Saw (band - metal)	—	
Compressor	—		Saw (band - wood)	—	
Crusher	—		Saw (circular - metal)	—	
Diesels (stationary)	—		Saw (circular- -wood)	—	
Drill Press	1	1(14—10)	Saw (jig)	—	
Fans	1		Saw (power - rip)	—	
Forming Rolls	—		Saw (radial)	—	
Gear Cutter	—		Saw (swing)	—	
Grinding Machine	1		Screw Machine	—	
Hobber	—		Shaper (metal)	1	
Jointer	—		Shaper (wood)	—	
Lathe (engine)	—		Shears	—	
Lathe (turret)	—		Slicer	—	
Lathe (woodworking)	—		Welding or Cutting Unit Oxyacetylene - Manual	1	1(21—3) *
Mi	1		Welding or Cutting Unit Electric - Manual	—	
Pape cutter	—		Welding or Cutting Unit Oxyacetylene - Automatic	—	
Planer (metal)	—		Welding or Cutting Unit Electric - Automatic	—	
Planer (wood)	—				
Power Press	—		Other (Note in Remarks)		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	12. Feed Device	23. Limit Stop	1. Broken	11. Rough
2. Blowpipe	13. Grounding	24. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (electrode)	~~14. Guard~~	25. Regulator	3. Defective	13. Valve Open
4. Cable (power)	15. Guard (belt)	26. Safety Device	4. Improperly Adjusted	14. Wrong Size or Type
5. Chip Screen	16. Guard (gears)	27. Screens	5. Improperly Located	15. Other (Note in Remarks)
6. Clamp or Vise	17. Guard (projecting stock)	28. Spindle	6. Improperly Secured	
7. Controls	18. Guard (splash)	29. Tool Rest	7. Inadequate	
8. Cylinder Cart	19. Guard (tool or die)	30. Torch	8. Inoperative	
9. Cylinder	20. Guard (wheel)	31. Wheel Dressing	9. Maintenance	
10. Dust Collector	21. Hose	32. Other (Note in Remarks)	~~10. Missing~~	
11. Flanges	22. Inspection Date and Tag			

REMARKS:

* In use, off on during day shift.

10.—Machinery & Equipment

SAF-- AUDIT REPORT
uCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

② Record File

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1098E	Heat Treat Building	01	91	01	5	2	3-27-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto Sprinkler System	—		Fire Extinguishers	///	3(3-5)
Emergency Exits	—		Protective Equip. Supply	//	
Emergency Station	—		P. A. System	—	
Evacuation Alarm	—		Safety Showers	— *(?)	
Eye Baths	*— (?)		Standpipes	—	
Fire Alarm Boxes	—		Other (Note in Remarks)		
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS: *Consideration should be given to installing an eye bath & safety shower—

ENVIRONMENTAL CONTROL

BUILD	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO SATISFACTORY	DATE
1098E	Heat Treat Building	01	91	02	10	6	3-27-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	////	1(1-2), 1(6-8) 1(6-17)	Radiating Surfaces	—	
Illumination	///	*1(6-15)	Traffic Control	—	
Material Containment	//		Ventilation	//	1(6-20)
Radiation	—		Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Area
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS: * Glass protecting bulbs have discolored causing poor lighting (Sand Blasting Area)

AUDITED BY (SIGNATURE) J B Bowman

REVIEWED WITH (SIGNATURE) Neil Dyer

01 - Fixed Protection
02 - Environmental Control

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1098E	Heat Treat. Building	01	91	03	11	9	3-27.
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED		NO. UNSATISFACTORY (PART - REASON)
Cat	—		Ladder (stationery)	/	
Exit	/		Platforms	//	1(16-6)
Floors	///	*1(21-19)	Scaffolds	—	
Furniture	///		Stairs	—	
Ladder (portable)	/		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS: * Hoses on floor

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1098E	Heat Treat Building	01	91	04	5	5	3-27-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine	—		Steam (Bldg Ht - Below 15 psig)	//	
Hydrofluoric Acid	—		Steam (Low Pressure - 15-250 psig)	—	
Natural Gas	///		Steam (High Pressure - above 250 psig)	—	
Pyrofax	—		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE) [signature]

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1098E	Heat Treat Building	01	91	05	17	7	3-27-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low e Equipment (Below .00 Volts)	—	
Corded Equipment	11	7(8-7)
Utilization Equipment	11	3(4-5)
High Voltage Equipment (Above 480 Volts)	—	
Disconnects	—	
Rotating Equipment	—	
Other (Note In Remarks)	—	

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
5. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1098E	Heat Treat Building	01	91	06	10	8	3-27-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	1111		Use of Safe Attire	1111	
Use of Tools	—		Use of Personnel Protective Devices	11	2(25)
Use and Maintenance of Machines & Equipment	—		Work Habits		
Use of Ionizing Radiation Sources	—				

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel Enclosure, when Unsafe Because of Temperatu Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

AUDITED BY (SIGNATURE) B Bernard

REVIEWED WITH (SIGNATURE)

05 - Electrical
06 - Work Practices

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1098E	Heat Treat Building	01	91	07	5	5 -	3-27-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Elec. Powered	—	
Hand	44	
Hydraulic	—	
Pneumatic Powered	—	
Powder Actuated	—	

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Rema.
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1098E	Heat Treat Building	01	91	08	10	9	3-27-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor	—		Power Truck	—	
Chain Hoist	—		Tractor	—	
Electric Hoist	1		Plant Railway	—	
Winch or Tugger	—		Skid	1	
Sling	11		Pallet	11	
Lifting Fixture	—		Bicycle	—	
Dolley	11		Bus	—	
Handtruck	1		Passenger Car	—	
Wheelbarrow	—		Motor Truck	1	1 (*)
Fork Truck	—		Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Crossing Signals	25. Hitches	39. Other (Note in Remarks)
12. C[illegible] Signs	26. Hooks	
13. D[illegible] Control	27. Horn	
14. Dec[illegible]	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS: * Rear lights Not operable
Back Glass needs Replacing
Muffler Burned out.
Left door handle Broken
Rear indicating lights not operable

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1098E	West Treat Building	61	91	09	6	3	3-27-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIC
Acetylene Tank	—		Freon Tank	—	
Air Receivers	—		HF Tank	—	
Boilers	—		UF_6 Containers	—	
Compressed Gas Cylinders	4	3(11-18)	Water Storage Heaters	1	
Fluorine Tank	—		Other (Note in Remarks)	* **	

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other (Note in Remarks)
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other (Note in Remarks)	7. Incorrect	14. Not Shielded	

REMARKS:
* Alcohol Drum without static ground connections
** Makeshift arrangement of transferring nitric acid from 1470

AUDITED BY (SIGNATURE) J B Boman

REVIEWED WITH (SIGNATURE)

09 - Pressure Vessels & Gas Cylinders

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1098E	Heat Treat. Building	01	91	10	7	5	3-21
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIC
Automatic Arc Cutting Unit	—		Oxygen-Arc Cutting Unit	1	
Automatic Arc Welding Unit	—		Paper Cutter	—	
Bench or Pedestal Grinder	1		Planer (metal)	—	
Blower	1		Planer (wood)	—	
Boring Mill	—		Power Press	—	
Centrifuge	—		Press Brake	—	
Compressor	—		Pulverizer	—	
Crusher	—		Pump	1	1(14-7)
Diesels (stationary)	—		Saw (band - metal)	—	
Drill Press	1	*1(13-7)	Saw (band - wood)	—	
Fans	—		Saw (circular - metal)	—	
Forming Rolls	—		Saw (circular - wood)	—	
Gear Cutter	—		Saw (jig)	—	
Grinding Machine	—		Saw (power - rip)	—	
Hobber	—		Saw (radial)	—	
Jointer	—		Saw (swing)	—	
Lat[illegible] gine)	—		Screw Machine	—	
Lath[illegible] urret)	—		Shaper (metal)	—	
Lathe (woodworking)	—		Shaper (wood)	—	
Manual Arc Cutting Unit	—		Shears	—	
Manual Arc Welding Unit	—		Slicer	—	
Mixer	—		Other (Note in Remarks) FURNACES	11	

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (~~gears~~) coupling	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS: * Chuck key left in chuck for drill press.

AUDITED BY (SIGNATURE) J B Bonner

REVIEWED WITH (SIGNATURE)

10 - Machinery and

JW

ALPHA CONTAMINATION AUDIT REPORT (3041)

Location K-1131 Process Maint Shop Date 10-23-61
Supervisor in Charge C. Terry. Total Work Area 840 ft²
Operations in Progress No Shop Work in Progress

Protective Measures in Force —

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Surface Index 84 X 2 =	168.	460
	Area Factor (Total)	69.	96
	Area Factor (Wipe)	—	—

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Floor, Work Benches & Bins	544	I			2000	
" " " "	32	II			5500	

	Range Surface	(c/m) Wipe	Weighting Factor	Total ft²			
Class 0	*	–	0				B+T < P.A.L.
Class I	500-2000	100-500	1		544		
Class II	2000-10,000	500-2000	5		32		
Class III	>10,000	>2000	20		—		
			Grand Total (ft²)		576		

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

JW
WRC

ALPHA CONTAMINATION AUDIT REPORT

ation K-1131 Process Bldg. Shop (3041) Date 9-6-61
Supervisor in Charge C. L. Terry Total Work Area 840 ft²
Operations in Progress No Shop Work in Progress.

Protective Measures in Force —

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Surface Index 230 X 2 =	460.	76
	Area Factor (Total)	96.	22
	Area Factor (Wipe)	—	47.

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Floor Work Benches & Pipe	612	I			2000	
" " " "	168	II			10000	
" " " "	24	III			>12500	

	Range Surface	(c/m) Wipe	Weighting Factor				
Class 0	*	–	0	Total ft²			15 ÷ 7 < P.A.L.
Class I	500-2000	100-500	1		612		
Class II	2000-10,000	500-2000	5		168		
ss III	> 10,000	> 2000	20		24		
				Grand Total (ft²)	804		

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

JW
WOE

BETA-GAMMA RADIATION AUDIT REPORT (3041)

Location K-1131 Process Maint Shop Date 9-7-61

Supervisor in Charge C. L. Terry. Total Work Area 840 ft²

Operations in Progress No Shop Work In Progress.

Protective Measures in Force

SUMMARY

RADIATION		This Survey	Last Survey
	β+γ Index	0	0
	β+γ Area Factor	0	0
	γ Area Factor	0	0

SPECIFIC LOCATION	7.5 mrep/hr Distance (ft)	Area (ft²) and Class of Radiation β+γ		γ		Reading (mrep/hr) Maximum β+γ	Maximum γ	1 ft. β+γ	1 ft. γ
Max. β+γ < P.A.L.									

	Range mrep/hr	Weighting Factor	Total ft²			
Class I	7.5 - 37.5	1				
Class II	37.5 - 300	5				Maximum Reading β+γ
Class III	300 - 3000	40				
ass IV	>3000	400				
		Grand Total (ft²)				

WCX-2067 (10-53) K-25 SAFETY AND HEALTH PHYSICS

Semi - annual

JLL

ALPHA CONTAMINATION AUDIT REPORT

Location K-1131 Instrument Shop (3040) Date 4/17/61

Supervisor in Charge F.F. Keylon Total Work Area 280 ft^2

Operations in Progress normal shop work

Protective Measures in Force

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	3.6	8.0
	Area Factor (Total)	3.6	6.0
	Area Factor (Wipe)	0.4	0.0

SPECIFIC LOCATION	Area (ft^2) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Floor + work benches	—	—	—	—	<500	400
Sink Top	8	I	—	—	1700	—
" Edge (≈ 1mm beta) @ contact	1	II	1	I	1500	250

	Range Surface	(c/m) Wipe	Weighting Factor			
Class 0	*	—	0	Total ft^2		
Class I	500-2000	100-500	1		9	1
Class II	2000-10,000	500-2000	5		—	—
ss III	> 10,000	> 2000	20		—	—
			Grand Total (ft^2)		9	1

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr) Hands	Shoes Personal	Shoes Issue	Clothing Personal	Clothing Issue	Gloves	Re Re No.
		<100	—	750	—	<100	—	—
		<100	—	1300	—	<100	500	—
SUMMARY:	0 No. > P.A.L.	0	—	0	—	0	—	
	6 No. Checked	2	—	2		—	—	
	0 % Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
No. End - Shop	HP-350	1:45	10	150	0/3	0.03
So. End Shop	HP-357	2:00	10	150	0/3	0.0[illegible]
SUMMARY: Air Samples	1 No. Taken		For Samples > P.A.L.		Total —	Total 0.07
	0 No. > P.A.L.				% —	Average 0.04
	0 % > P.A.L.					

REMARKS:

Inspector N. B. Schultz Op. Supervisor F. F. Keyton Date 4/17/61

① Area, SW
② Work File

ALPHA CONTAMINATION AUDIT REPORT

cation K-1131 Maintenance Shop (3041) Date 1-25-61
Supervisor in Charge C. Terry Total Work Area 840 ft^2
Operations in Progress Routine

Protective Measures in Force

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	76	9.0
	Area Factor (Total)	2.8	3.2
	Area Factor (Wipe)	47	6.0

SPECIFIC LOCATION	Area (ft^2) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
All Surfaces	240	I	400	I	1000	300

	Range Surface	(c/m) Wipe	Weighting Factor			
Class 0	*	–	0	Total ft^2		
Class I	500-2000	100-500	1		240	400
Class II	2000-10,000	500-2000	5			
Class III	> 10,000	> 2000	20			
			Grand Total (ft^2)		240	400

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr) Hands	Shoes Personal	Shoes Issue	Clothing Personal	Clothing Issue	Gloves	Rem Ref. No.
		<100		350		<100		
		<100		100		<100		
SUMMARY:	No. > P.A.L.	0		0				
	No. Checked	2		—		—		
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity C/M/ft^3
SE Corner	HP85	2:00	6	15	0/2	0.02
NW Corner	HP 86	2:10	5	16	0/1	0.01
SUMMARY: Air Samples	2	No. Taken		For Samples > P.A.L.	Total —	Total 0.03
	0	No. > P.A.L.			% 0	Average 0.02
	0	% > P.A.L.				

REMARKS:

Inspector W. P. Ellis Op. Supervisor Sam Trautman Date 1-25-61

JW

BETA-GAMMA RADIATION AUDIT REPORT

Location K-1131 Maintenance Shops (3041) Date 1-25-61

Supervisor in Charge C. Terry Total Work Area 840 ft^2

Operations in Progress Routine

Protective Measures in Force

SUMMARY

RADIATION		This Survey	Last Survey
	$\beta+\gamma$ Index	0	0
	$\beta+\gamma$ Area Factor	0	0
	γ Area Factor	0	0

SPECIFIC LOCATION	7.5 mrep/hr Distance (ft)	Area (ft^2) and Class of Radiation $\beta+\gamma$		γ		Reading (mrep/hr) Maximum $\beta+\gamma$	Maximum γ	1 ft. $\beta+\gamma$	1 ft. γ
All readings < 1 mr									

	Range mrep/hr	Weighting Factor	Total ft^2			Maximum Reading $\beta+\gamma$
Class I	7.5 - 37.5	1				1 mr
Class II	37.5 - 300	5				
Class III	300 - 3000	40				
ass IV	> 3000	400				
		Grand Total (ft^2)				

RADIATION MONITORIN ND CONTROL REPORT

Division Maintenance
Department 1002
Location K-1131 barrier filter assembly area

Date 6-6-61 JW
Checked by B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	Wipe	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
floor area	200	1000	350	6	—	—				
barrier filters				15	—	—				
Center of area							211-150	1:27	150	

Safety and Health Physics
1961 JUN 12 PM 3:24

Action Taken: A Decontamination Request Was issued 6-6-61.

(over)

Approved Clyde Denny
Operating Supervisor

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WCX-2191 (11-53) K-25RC Safety & Health Physics Section

-305-

RADIATION MONITORIN(ND CONTROL REPORT

Division Maintenance
Department 1002
Location K-1131 pipe fabrication shop

Date 6-6-61 JW
Checked by B C Burnell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
Floor area	300	1300	350							
Rear work table	6	950	100							
West work table	12	800	<100							
Tool box	2	1900	250	0.5	—	—				
Miscl. equipment				0.8	—	—				
Center of area							M-151	1:45	225	

Safety and Health Physics
JUN 12 PM 3:24

Action Taken: A "Request for Decontamination" Was issued 6-6-61

(over)

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WCX-2191 (11-53) K-25RC Safety & Health Physics Section

Approved Clyde Irwin
Operating Supervisor

1-307-

RADIATION MONITORIN ND CONTROL REPORT

Division: Maintenance
Department: 1003
Location: K-1131 UF6 pump West filter Change

Date: 5-29-61
Checked by: BC Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
filters (thru shell)				155	70	10				
filter (opening)				4000	450					

Safety and Health Physics
1961 JUN 12 PM 3:24

Action Taken: 44 Minutes actual Working time } based on 225 mr per week
192 " allowable " " } Gamma dose Total Body

(over)

Approved: Clyde Jenny
Operating Supervisor

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WCX-2191 (11-53) K-25RC Safety & Health Physics Section

3 Wore film badge
3 Total Personnel Checked

* 3 Wore respiratory equipment
3 T.P.C.

** 0 Checked < Pol radiation on hands, shoes, clothes
2

No eating, smoking or drinking was observed on job

Very little Vestal gas was noted emitting from system indicating a good purge.

* only part time had or used his respiratory equipment

** Cleaned shoes showed to within the Pol. exchanged contaminated gloves for clean ones.

BCBurell

RADIATION MONITORIN ND CONTROL REPORT

Division Maintenance
Department 1002
Location K-1131 pipe fabrication shop

Date 5-26-61 JC
Checked by BC Burell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
floor area	460	1600	250							
Work tables	20	1300	150	0.5	—	—				
tool boxes	30	2000	400	0.6	—	—				

Safety and Health Physics
1961 JUN 12 PM 3:25

Action Taken: A "Request for Decontamination" has been issued.

(over)

Approved Clyde Dean
Operating Supervisor

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WCX-2191 (11-53) K-25RC Safety & Health Physics Section

-310-

RADIATION MONITORIN ND CONTROL REPORT

Division: Maintenance
Department: K-1002
Location: K-1131 barrier filter assembly area

Date: 5-26-61

Checked by: B C Burnette

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
barrier filters				50	25	3				
flow area	260	1500	200							
metal platform	24	1750	250							

Safety and Health Physics
1961 JUN 12 PM 3:24

Action Taken: A Request for Decontamination has been issued.

(over)

Approved: Clyde [illegible]
Operating Supervisor

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WCX-2191 (11-53) K-25RC Safety & Health Physics Section

1-31-1

RADIATION MONITORIN ND CONTROL REPORT

Division Maintenance
Department K-100
Location K-1131 pipe fabrication shop

Date 5-23-61
Checked by B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
Floor area	400	1600	300							
Main Work Table	12	1100	150	Pal						
Tool-boxes	6	950	200	L						

Industrial Health Physics

1961 JUN 12 PM 3:25

Action Taken: A "Decontamination Request" was issued 5-23-61

(over)

Approved [signature]
Operating Supervisor

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WCX-2191 (11-53) K-25RC Safety & Health Physics Section

1-3-2-1

RADIATION MONITORING AND CONTROL REPORT

Division: Maintenance
Department: K-1005
Location: K-1131 #3 barrier filter change

Date: 5-12-61 JW
Checked by: B C Burnell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft²	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1' ft	Distance (ft)	Sample Number	Time Started	Volume (ft³)	Alpha Counts/min/ft³
filter				60	25	x				

Safety and Health Physics
1961 MAY 12 PM 3:24

Action Taken: 92 Minutes Actual Working time based on 225 mr per week dose (Total Body) gamma
540 " Allowable " "

(over)

Approved: Charles Jung
Operating Supervisor

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WCX-2191 (11-53) K-25RC Safety & Health Physics Section

Below are some on the job observations:

* 2 Were respiratory equipment when necessary
3 Total Personnel Checked

3 Were Company Coveralls, shoes, gloves, underwear
3 T.P.C.

** 2 Were film badges
3 T.P.C.

No smoking or eating was observed on job
Mechanics were able to avoid equipment openings.

* one (1) Mechanic had only part time use of respirator
** Was observed without film badge use.

B C Burrell

RADIATION MONITORING AND CONTROL REPORT

Division: Maintenance
Department: K-1003
Location: K-1131 pipe fabrication shop

Date: 5-12-61

Checked by: B C Burell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
Table	10	1100	150							
floor area	160	1450	250							
shelf area	40	1650	200							

Safety and Health Physics

1961 JUN 12 PM 3:24

Action Taken: A "Decontamination Report" was issued.

(over)

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WCX-2191 (11-53) K-25RC Safety & Health Physics Section

Approved: [illegible]
Operating Supervisor

1-3-1

RADIATION MONITORING AND CONTROL REPORT

Division: Maintenance
Department: K-1002
Location: K-1131 barrier filter area

Date: 5-12-61
Checked by: B C Burnette

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft²	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft³)	Alpha Counts/min/ft³
floor area	150	6000	650							
Metal platform	60	1650	150	P.A.L.						
filter				50	25	—				

Safety and Health Physics

1961 JUN 12 PM 3:24

Action Taken: A "Decontamination Report" Was issued.

(over)

Approved: Clyde Dunn
Operating Supervisor

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WCX-2191 (11-53) K-25RC Safety & Health Physics Section

-316-

RADIATION MONITORIN ND CONTROL REPORT

Division Maintenance
Department 1002
Location K-1131 barrier filter assembly area

Date 4-26-61
Checked by B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
barrier filter				50	20	—				

Action Taken: This area is properly identified as a radiation field.

(over)

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WCX-2191 53) K-25RC Safety & Health Physics Section

Approved Clyde Jones
Operating Supervisor

Safety and Health Physics
1961 APR 12 PM 1:12

RADIATION MONITORIN ND CONTROL REPORT

Division: Maintenance
Department: K-1002
Location: K-1131 #3 Tower barrier filter change

Date: 4-25-61
Checked by: B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
barrier filter				65	30	—				

Action Taken: 93 Minutes actual Work time } based on 100 mr Gamma
198 Minutes allowable Work time } dose per day Total Body

(over)

Approved: Clyde [illegible]
Operating Supervisor

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WCX-219' 53) K-25RC Safety & Health Physics Section

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2 Wore film badge
3 Total Personnel Checked

3 Wore proper respirator equipment
3 Total Per. Checked

* 1 Checked for Pol. radiation on hands, shoes, clothes
3 Total Per. Checked

A "hazardous work permit" was issued for job.

Old filter was properly tagged as a real cap in hazard and shipped to K-1410 for cleaning. Mechanics were able to avoid equipment openings. No smoking, eating or drinking was observed on job.

* Gloves for cleaning were and shoes to within the Pol.

exchanged Coverall and was able to wash

BCBurrell

RADIATION MONITORIN AND CONTROL REPORT

Division Maintenance
Department K-1003 pipe fabrication shop
Location

Date 4-21-61 JW
Checked by B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
floor area	150	1250	200							
equipment		300	<100	PAL						
				L						

Action Taken: A "Request for Decontamination" Was issued.

(over)

Approved Operating Supervisor

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WCX-2191 (11-53) K-25RC Safety & Health Physics Section

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RADIATION MONITORING AND CONTROL REPORT

Division: Maintenance
Department: K-100 Area
Location: K-1731 Barrier filter assembly

Date: 4-14-61 JW
Checked by: B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
Floor area	160	1950	100							
West platform	22	2200	300							
filter				60	20	4				
Center of area							M-144	12:25	180	1.2

Action Taken: A "Request for Decontamination" was issued. The above filters are properly identified as a radiation source.

(over)

Approved: [signature]
Operating Supervisor

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WCX-2191 (11-53) K-25RC Safety & Health Physics Section

Safety & Health Physics
APR 14 '62

RADIATION MONITORING AND CONTROL REPORT

Division: Maintenance area
Department: 1002
Location: K-1131 pipe fabrication

Date: 4-14-61 JW
Checked by: B C Burell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
floor area	40	1000	150							
Table	4	1000	200	pa						
Tool box	2	600	<100	L						
New south wall							M-43	12:12	150	2.0

Action Taken: None Necessary.

(over)

Approved: Clyde Young
Operating Supervisor

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WCX-2191 (11-53) K-25RC Safety & Health Physics Section

Safety and Health Physics
APR 12 PM 4:02

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RADIATION MONITORIN ND CONTROL REPORT

Division Maintenance

Department

Location K-1007-31 #1 barrier filter change

Date 4-13-61 JW

Checked by BC Burnette

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
filter				50	25	—				
filter opening				4000	—	—				

Safety and Health Physics

1961 APR 12 PM 4:02

Action Taken: 90 Minutes actual working time } based on 50 mr gamma
120 " allowable " " } Daily Dose to total body.

(over)

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Approved _____
Operating Supervisor

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RADIATION MONITORIN .ND CONTROL REPORT

Division: Maintenance
Department: 1002
Location: K-1131 # 2 barrier filter change

Date: 4-11-61 JW
Checked by: B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft²	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft³)	Alpha Counts/min/ft³
filter				30	1V	—				

1961 APR 12 PM 4:02

Safety and Health Physics

Action Taken: The establishment of time limits for this job was unnecessary.

(over)

Approved: Clyde Dunn
Operating Supervisor

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RADIATION MONITORIN ND CONTROL REPORT

Division Maintenance
Department 1002
Location K-1131 pipe fabrication shop

Date 4-6-61 JW

Checked by B C Burnell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
floor area		250	<100							
Work Table	2	1300	200							
Center of area							M-138	10:58	150	0.3

Action Taken: None Necessary

(over)

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Approved [signature]
Operating Supervisor

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RADIATION MONITORIN AND CONTROL REPORT

Division: Maintenance
Department: K-1002
Location: K-1131 barrier filter assembly area

Date: 4-6-51 JW
Checked by: BC Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft²	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft³)	Alpha Counts/min/ft³
floor area	100	500	400	2	—	—				
metal platform	36	1350	300	4	—	—				
filters				65	40	4				
Center of area							M-139	11:09	150	0.16

Action Taken: _____

(over)

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Approved: [signature]
Operating Supervisor

Safety and Health Physics
1951 APR 12 PM 4:02

RADIATION MONITORIN ND CONTROL REPORT

Division Maintenance
Department 1002
Location K-113' UF6 pump West filter change

Date 4-3-61 JW
Checked by BC Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
barrier filter				200	90	6				

Action Taken: 70 Minutes actual working time } based on 225 mr
150 Minutes allowable " " } weekly dose P&I gamma

(over)

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Approved [signature]
Operating Supervisor

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2 Wore Company Coveralls, shoes, under clothes, gloves
2 Total Personnel Checked

2 Wore proper respiratory equipment
2 Total Personnel Checked

* 2 Wore film badge
2 T. Personnel Checked

A "hazardous Work permit" Was issued for job.
No smoking eating or drinking was observed on job.

An unusual amount of visible gas was noted coming from system indicating poor purge.

Constant Monitoring and Visual observation indicated No radiation over exposure of Personnel

* 2 film badge. Healing part time

BERWELL

RADIATION MONITORIN .ND CONTROL REPORT

Division Maintenance
Department 1002
Location K-113' Pipe Fabrication shop

Date 3-23-61 JW
Checked by B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
floor area	66	1950	250							
east work table	6	1600	200							
west work table	4	2400	350							
shelf	4	600	300							
Center of area							M-131	3:13	150	0.3

Action Taken:

(over)

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Approved
Operating Supervisor

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RADIATION MONITORIN ND CONTROL REPORT

Division: Maintenance
Department: 1002
Location: K-1131 - K-413 shop

Date: 3-17-61 fzu

Checked by: BC Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
Cleaning room										
floor area	80	2600	300	pal						
				L						
shop area										
3 Table	26	1450	250	pal						
Welding Table	3	1000	500	L						

Action Taken: Decontamination followed by recheck

over

(over)

Approved: Clyde Denny
Operating Supervisor

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* 18 Checked < Pal radiation on hands, shoes, clothes
19 Total Personnel Checked

exchanged Contaminated
* gloves for clean ones.

BCB.

RADIATION MONITORING AND CONTROL REPORT

Division: Maintenance
Department: K-913 Cleanup reactor filter change
Location:

Date: 3-14-61 JW
Checked by: B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft²	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr	Sample Number	Time Started	Volume (ft³)	Alpha Counts/min/ft³
		Surface	Wipe	Surface	1 ft	Distance (ft)				
filters				60	20	4				

Action Taken: 150 actual working time } based on 750 mr per week
750 allowable " " } gamma dose Daff total body

(over)

Approved: Clyde Jenny
Operating Supervisor

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1221

RADIATION MONITORIN .ND CONTROL REPORT

Division Maintenance
Department K-1002
Location K-1031 pipe fab. shop

Date 3-10-61 JW
Checked by BCBurell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
Floor area	250	1200	400							
Work tables	10	1450	450	DA						
Tool boxes	9	1400	200	L						

Action Taken: Decontamination followed by recheck.

(over)

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Approved Clyde Denny
Operating Supervisor

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RADIATION MONITORIN .ND CONTROL REPORT

Division Maintenance
Department
Location K-1031 barrier filter assembly

Date 3-10-61 JW
Checked by BC Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft²	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft³)	Alpha Counts/min/ft³
floor area	200	1250	200							
Metal platform	32	1900	250	2	—	—				
barrier filter				25	15	—				
barrier filter assembly base				40	15	—				

Action Taken: Decontamination followed by recheck.

(over)

Approved [signature]
Operating Supervisor

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RADIATION MONITORIN ND CONTROL REPORT

Division: Maintenance
Department: K-1002
Location: K-1131 UF6 header Unplugging

Date: 3-7-61
Checked by: B C Burnett

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
Header Openings				50	10	—				

Action Taken: None Necessary

(over)

Approved: Clyde Dry
Operating Supervisor

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1331

RADIATION MONITORIN .ND CONTROL REPORT

Division Maintenance
Department 1002
Location K-1131 #2 Tower Change

Date 2-28-61
Checked by B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
		Surface	Wipe	Surface	1 ft	Distance (ft)				
filter				50	30	3				

Action Taken: 95 Minutes actual working time } based on 50 mr
101 " allowable " " } Gamma dose PDI
Total body per day (over)

Approved Clyde Terry
Operating Supervisor

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RADIATION MONITORIN ND CONTROL REPORT

Division Maintenance
Department K-1093 pipe fabrication shop
Location

Date 2-24-61
Checked by B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
floor area	100	950	<100							
flexo	30	1200	200	0.7						
table tops	16	1450	200							

Action Taken: Decontamination followed by recheck.

(over)

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Approved Sam Trautman
Operating Supervisor

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RADIATION MONITORIN .ND CONTROL REPORT

Division: Maintenance
Department: 1002
Location: K-1131 barrier filter assembly

Date: 2-24-61

Checked by: B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
floor area	200	1900	350							
Metal platform	28	3200	450	20	—	—				
barrier filters				60	25	3				

Action Taken: Decontamination followed by recheck.

(over)

Approved: Sam Trautman
Operating Supervisor

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RADIATION MONITORIN AND CONTROL REPORT

Division Maintenance
Department K-1002
Location K-1131 Clean up Reactor filter removal

Date 2-23-61 JW
Checked by B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
Outside reading	(filter)			20	10	—				
inside reading	(filter)			110	40	3				

Action Taken: 139 Minutes actual working time / 750 Minutes allowable " " } based on 500 mr beta dose per week total body. (over)

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Approved Sam Trautman
Operating Supervisor

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RADIATION MONITORIN ND CONTROL REPORT

Division: Maintenance
Department: 1002
Location: K-1131 West UF6 pump filter removal

Date: 2-20-61 JW
Checked by: B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
filter inlet line				75	40	3				
				3500	500	—				

Action Taken: 68 Minutes actual Working time } based on 5.0 mr/day
75 Minutes allowable " " } Pal Dose Total Body

(over)

Approved: Sam Trautman
Operating Supervisor

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WCX-2191 (11-53) K-25RC Safety & Health Physics Section

-340-

* 1 Wore respiratory equipment when needed
3 Total Personnel Checked

** 2 Wore film badge
3 T. Per. Checked

3 Wore Company Coveralls, shoes, gloves
3 T. Per. Checked

A "hazardous work permit" was issued for job.

Mechanics were not careful in avoiding equipment openings.

Old filters were promptly flagged off and placed in area provided for them.

Very little visible dust was noted indicating good purge by operations.

* Two (2) Mechanics wore respirators only part time while system was open.

** did not have film badge.

BCSmith

RADIATION MONITORIN ND CONTROL REPORT

Division Maintenance
Department K-1002
Location K-1131 pipe fabrication shop

Date 2-17-61 Jr
Checked by B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
Flow area	60	1100	200							
Main table	6	2000	350	<P.A.L.						

Action Taken: Decontamination followed by recheck.
* 2 Checked <P.A.L. radiation on hands, shoes, clothes
3 Total Rev. Checked
* M. Maples washed his shoes to within the P.A.L.

(over)

Approved Sam Trautman
Operating Supervisor

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WCX-2191 (11-53) K-25RC Safety & Health Physics Section

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RADIATION MONITORIN .ND CONTROL REPORT

Division: Maintenance
Department: 1002
Location: K-1131 barrier filter assembly

Date: 2-14-61 1 Pm
Checked by: B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft²	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft³
metal platform	18	2000	300							
barrier filter				60	12	—				
flow yard	300	1650	350	0.6	—	—				

Action Taken: Decontamination followed by recheck.
3 Checked 3 Pass radiation on hands, shoes, clothes
3 Total Personnel Checked

(over)

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2nd Copy - Divisional Files

Approved: Sam Trautman
Operating Supervisor

WCX-2191 (11-53) K-25RC Safety & Health Physics Section

1-343-1

RADIATION MONITORIN ND CONTROL REPORT

Division Main tenance
Department 1002
Location K-1131 #4 filter Change

Date 2-14-61 JWG
Checked by BC Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
filter				30	15	—				

Action Taken: 2.9 hrs actual working time } Based on 250 mr/day per week Total body
8.3 hrs allowable working time }

(over)

Approved Sam Trautman
Operating Supervisor

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WCX-2191 (11-53) K-25RC Safety & Health Physics Section

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RADIATION MONITORIN. .ND CONTROL REPORT

Division Maintenance
Department 100
Location K-1131 pipe fabrication shop

Date 2-14-61
Checked by B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft²	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft³)	Alpha Counts/min/ft³
Floor area		300	<100	P.A.L.						
Table	4	5000	1400							

Action Taken: None Necessary

(over)

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Approved Sam Trautman
Operating Supervisor

-345-

RADIATION MONITORIN ND CONTROL REPORT

Division Maintenance
Department K-1002
Location K-1131 #1 tower filter change

Date 2-13-61 JW

Checked by BC Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
barrier filter				175	90	6				

Action Taken: 92 Minutes actual Working Time } based on 250 MV Gamma Rad
168 Minutes allowable " " } total body per Week.

(over)

Approved Sam Trautman
Operating Supervisor

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-346-

RADIATION MONITORIN ND CONTROL REPORT

Division Maintenance
Department 100
Location K-1131 pipe fabrication shop

Date 2-8-61 JW
Checked by B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
floor area	500	1650	250							
work tables	20	1200	150							
				P.A.L.						
at south doorway							M-113	11:15	150	0.2

Action Taken: Decontamination followed by recheck.
8 Checked by P.A.L. radiation on hands, shoes, clothes
8 Total Personnel Checked

(over)

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Approved Sam Trautman
Operating Supervisor

-342-

RADIATION MONITORING AND CONTROL REPORT

Division: Maintenance
Department: 1002
Location: K-1131 barrier filter assembly

Date: 2-8-61 JW
Checked by: B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft²	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft³)	Alpha Counts/min/ft³
floor area	500	Visible material								
metal platform	18	1800	150							
barrier filters				60	10	—				
floor area				20	—	—				
Center of area							M-114	1:30	NO	0.7

Action Taken: Decontamination followed by recheck.
5 Check
5

(over)

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Approved: Sam Trautman
Operating Supervisor

-348-

RADIATION MONITORIN AND CONTROL REPORT

Division: Maintenance
Department: 1002
Location: K-1131 UF6 pump and Wet filter change

Date: 1-24-61 JW
Checked by: BC Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
UF6 pump				50	25	5				
filters				50	25	5				

Action Taken: 560 Minutes actual Working time } based on 250 MR
600 Minutes Allowable " " } Gamma dose Pal
per Week total body (over)

Approved: Clyde [illegible]
Operating Supervisor

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WCX-2191 (11-53) K-25RC Safety & Health Physics Section

RADIATION MONITORIN .ND CONTROL REPORT

Division Maintenance
Department 100
Location K-1131 east UF6 pump change

Date 1-13-61
Checked by B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
exterior reading				30	12	—				
interior reading				5000	1000	3				

Action Taken: The pump opening was promptly blanked off & atmospheric dirty dust be spread of contam. Motor was moved.

(over)

Approved Clyde Dunn
Operating Supervisor

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RADIATION MONITORIN .ND CONTROL REPORT

Division Maintenance
Department 1002
Location K-1131 barrier filter assembly

Date 1-11-61
Checked by B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
floor area	40	1100	200							
metal platform	15	1000	150							
filters				55	25	.2				
Center of area							M-107	11:05	150	0.3K

Action Taken: If this area is properly identified as a radiation contamination

(over)

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Approved [signature]
Operating Supervisor

-351-

RADIATION MONITORIN .ND CONTROL REPORT

Division: Maintenance
Department: 100
Location: K-1131 pipe fabrication shop

Date: 1-16-61 JW
Checked by: B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft²	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft³)	Alpha Counts/min/ft³
floor area	200	1200	150							
Power saw	2	600	<100							
Maint. table	6	750	<100							
Welding machine	4	550	100							
Center floors							MP-106	10:45	25	0.01

P.A.L.

Action Taken: _____

(over)

Approved: Clyde Denny
Operating Supervisor

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RADIATION MONITORIN .ND CONTROL REPORT

Division Maintenance
Department
Location K-1031 #3 barrier filter change

Date 1-10-61
Checked by B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft²	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft³)	Alpha Counts/min/ft³
filter				400	150	—				

Action Taken: 92 Minutes actual working time } based on 300 mr
120 " allowable " " } gamma radiation
dose for week (over)

Approved Clyde Jenny
Operating Supervisor

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WCX-2191 (11-53) K-25RC Safety & Health Physics Section

1331

RADIATION MONITORIN ND CONTROL REPORT

Division Maintenance
Department 1091
Location K-1131 #3 Conveyor Repair

Date 1-9-61 JW
Checked by BC Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	R.P.C./Alpha Counts/min/ft3
Conveyor Area				25	—	—				

RECEIVED JAN 10 1961 SAFETY AND HEALTH PHYSICS

Action Taken: The above reading indicates the establishment of time limits are unnecessary

(over)

Approved Clyde Jenny
Operating Supervisor

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WCX-2191 (11-53) K-25RC Safety & Health Physics Section

-354-

RADIATION MONITORIN AND CONTROL REPORT

Division Maintenance
Department 1002
Location K-1131 #3 Conveyor Repair

Date 1-6-61 JW
Checked by B C Burnell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
Work area				30	—	—				

Action Taken: Mechanics worked on this location for approximately 2 hrs. which was well within safe exposure time

(over)

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Approved Clyde Denny
Operating Supervisor

WCX-2191 (11-53) K-25RC Safety & Health Physics Section

1355

RADIATION MONITORIN .ND CONTROL REPORT

Division Maintenance
Department 100
Location K-1131 pipe fabrication shop

Date 1-4-61 JW
Checked by BC Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
floor area	4	650	<100							
equipment	10	800	400							

Action Taken: None Necessary

(over)

Approved Clyde Terry
Operating Supervisor

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WCX-2191 (11-53) K-25RC Safety & Health Physics Section

RECEIVED JAN 10 1961 SAFETY AND HEALTH PHYSICS

AUDITED BY (SIGNATURE) L. Worthington

REVIEWED WITH (SIGNATURE) Clyde Dery

FIXED PROTECTION (Personal - Fire)	IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
		01	3	3	12-8-6
		53 - 54	55 - 58	59 - 62	63 - 70

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Sprinkler System			Fire Extinguishers	1	
Emergency Exits	2		Protective Equip. Supply		
Emergency Station			P. A. System		
Evacuation Alarm			Safety Showers		
Eye Baths			Standpipes		
Fire Alarm Boxes			Other (Note in Remarks)		
Fire Doors					

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Damaged	10. Missing
2. Contents	11. Respiratory Equipment	2. Deteriorated	11. Not Labelled
3. Door	12. Rack	3. Dirty	12. Not Lighted
4. Fusible Link	13. Rollers	4. Improperly Stored	13. Not Posted
5. Hardware	14. Sprinkler Head	5. Inaccessible or Blocked	14. Out of Test Date
6. Hose	15. Stop Valve	6. Inadequate	15. Unsealed
7. Identification Light	16. Track	7. Inoperative	16. Other (Note in Remarks
8. Nozzle	17. Unit	8. Leaking	
9. Operating Instructions	18. Other	9. Location Not Indicated	

REMARKS:

ENVIRONMENTAL CONTROL	IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
		02	8	8
		53 - 54	55 - 58	59 - 62

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Cleanliness, Orderliness	1		Radiation (Thermal)		
Disposal of Scrap; Waste	1		Radiation (Arc, Ionizing)		
Protection of Hazardous or Flammable Refuse	1		Traffic Control		
Storage — Material and Equipment	1		Illumination	1	
Storage — Compressed Gas Cylinders	2		Ventilation	1	
Vegetation Control			Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1 Grounds	1. Creates Fire Hazard	10. Inadequate or Improper Ventilation Equipment	19. Not Properly Secured
2. Lunch Room	2. Dirty	11. Inadequate Warning Signs	20. Pedestrian Lanes Not Indicated
3. Office	3. Excessive Accumulation	12. Incorrect Lighting Fixtures	21. Poor Arrangement
4. Storage Area	4. Excessive Glare	13. Inoperative Equipment	22. Poorly Stacked
5. Washroom	5. Fire Lanes Blocked	14. Insufficient Illumination	23. Unsafe Method Used
6. Work Area	6. Inadequate Barricades	15. Materials Not Stored in Designated Areas	24. Wrong Type Container
	7. Inadequate Insulation	16. Material Protruding into Aisles	25. Special Hazards Not Marked
	8. Inadequate Sheilding	17. Metal Cap Missing	26. Ventilation Equipment Not Being Used
	9. Inadequate Traffic Markers	18. No Containers	27. Other (Note in Remarks)

REMARKS:

29-27— 0-0

01 - Fixed Protection 02 - Environmental Control

Cat			Ladder (stationery)		
Exit			Platforms		
Floors	1		Scaffolds		
Furniture			Stairs		
Ladder (portable)			Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS	IBM	CLASS CODE 04 (53 - 54)	NO. INSPECTED 2 (55 - 58)	NO. SATISFACTORY 1 (59 - 62)

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Combustible Gas			Steam (Bld Ht.- Below 250 psig)		
Flammable Liquid	1		Steam (High Pressure - above - 250 psig)		
Toxic or Corrosive Liquid			Air	1	1(3-12)
Toxic or Corrosive Gas			Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Cleaning Tank	9. Insulation	1. Broken	9. Kinked
2. Controls	10. Pipe	2. Corroded	10. Leaking
3. Couplings	11. Regulators	3. Damaged	11. Missing
4. Metal Containers	12. Safety Devices	4. Deteriorated	12. Not Pinned
5. Glass Containers	13. Tubing	5. Inadequate	13. Not Properly Identified
6. Hose	14. Valves	6. Inadequate Pressure Rating	14. Not Sealed
7. Grounding	15. Vents	7. Incorrect	15. Not Shielded
8. Guards or Supports	16. Housing	8. Inoperative	16. Plugged
	17. Other (Note in Remarks)		17. Other (Note in Remarks)

REM

03 - Work Surfaces 04 - Piping and Containers

Low Voltage Equipment (Below 480 Volts)		
Corded Equipment		
Utilization Equipment	/	
Other (Note in Remarks)		

High Voltage Equipment (Above 480 Volts)		
Disconnects		
Rotating Equipment		
Other (Note in Remarks)		

1. Boxes
2. Box Covers
3. Conduit
4. Connectors
5. Breaker
6. Grounds
7. Ground Mats
8. Identification
9. Inspection Date and Tag
10. Insulation
11. Plugs
12. Receptacles
13. Safety Switch
14. Switch
15. Warning Signs
16. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Does Not Meet Plant Specifications
6. Exposed Terminals
7. Missing
8. Not Provided
9. Ungrounded
10. Unguarded
11. Other (Note in Remarks)

REMARKS:

WORK PRACTICES	IBM	CLASS CODE 06	NO. INSPECTED	NO. SATISFACTORY
		53 - 54	55 - 58	59 - 62

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling		None Present	Use of Safe Attire		
Use of Tools			Use of Personnel Portective Devices		
Use and Maintenance of Machines & Equipment			Work Habits		
Use of Ionizing Radiation Sources					

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Use
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

05 - Electrical 06 - Work Practices

El owered			1. Axe	10. Hatchet	19. Screwdriver
Hand			2. Buffer	11. Impact Wrench	20. Shears
Hydraulic			3. Cable Cutter	12. Jack	21. Soldering Iron
Pneumatic Powered			4. Chipper	13. Knife	22. Stud Driver
Powder Actuated			5. Chisel	14. Nail Puller	23. Tongs
Laboratory Glassware			6. Drill	15. Pliers	24. Wire Brush
			7. File	16. Punch	25. Wrench
			8. Grinder	17. Sander	26. Other (Note in Remark:
			9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
	08	6	6
	53 - 54	55 - 58	59 - 62

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION
Conveyor			Power Truck		
Chain Hoist	2		Tractor		
Electric Hoist			Plant Railway		
Winch or Tugger			Skid		
Sling	4		Pallet		
Lifting Fixture			Bicycle		
Dolley			Bus		
Hand Truck			Passenger Car		
Wheelbarrow			Motor Truck		
Fork Truck			Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	9. Couplings	17. Fittings	25. Hitches	33. Runers
2. Bell	10. Crank	18. Forks	26. Hooks	34. Switches
3. Brakes	11. Crossing Signals	19. Frame	27. Horn	35. Ties
4. Bumping Post	12. Crossing Signs	20. Glass	28. Interlocks	36. Track
5. Cable	13. Dead Man Controls	21. Grounding Connection	29. Lights	37. Wheels
6. Chain	14. Deck	22. Guards	30. Limitswitches	38. Whistle
7. Clearance Markers	15. Dog	23. Handles	31. Road Bed	39. Other (Note in Remarks)
8. Controls	16. Exhaust	24. Handrails	32. Rope	

UNSATISFACTORY CONDITION

1. Broken	5. Damaged	9. Improperly Located	13. Maintenance	17. Other (Note in Remarks)
2. Construction	6. Deteriorated	10. Inadequate	14. Missing	
3. Corroded	7. Illegible	11. Inoperative	15. Overloaded	
4. Cracked	8. Improperly Adjusted	12. Kinked	16. Protruding Fastenings	

REI

Ace' ınk			Freon Tank		
Air Receivers			HF Tank		
Boilers			UF6 Containers		
Compressed Gas Cylinders	2		Water Storage Heaters		
Fluorine Tank			Other (Note in Remarks)		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Past Due
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Plugged
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Unsecured
4. Dikes	11. Shell	4. Deterioated	11. Missing	18. Other (Note in Remarks)
5. Drip Pans	12. Test	5. Inadequate	12. Not Sealed	
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Shielded	
7. Grounding or Bonding	14. Other (Note in Remarks)	7. Incorrect	14. Open Valve	

REMARKS:

SAFETY AUDIT REPORT
UCN - 2021 (1 9-60)

MACHINERY AND EQUIPMENT	IBM	CLASS CODE 10 (53 - 54)	NO. INSPECTED 6 (55 - 58)	NO. SATISFACTORY 5 (59 - 62)

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Be Pedestal Grinder	1	1 (29-4) (31-7)	Press Brake		
Blower			Pulverizer		
Boring Mill			Pump		
Centrifuge			Saw (band - metal)	1	
Compressor			Saw (band - wood)		
Crusher			Saw (circular - metal)		
Diesels (stationary)			Saw (circular- -wood)		
Drill Press			Saw (jig)		
Fans			Saw (power - rip)		
Forming Rolls			Saw (radial)		
Gear Cutter			Saw (swing)		
Grinding Machine			Screw Machine		
Hobber			Shaper (metal)		
Jointer			Shaper (wood)		
Lathe (engine)			Shears		
Lathe (turret)			Slicer		
Lathe (woodworking)			Welding or Cutting Unit Oxyacetylene - Manual	2	
M			Welding or Cutting Unit Electric - Manual	2	
Paper Cutter			Welding or Cutting Unit Oxyacetylene - Automatic		
Planer (metal)			Welding or Cutting Unit Electric - Automatic		
Planer (wood)					
Power Press			Other (Note in Remarks)		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	12. Feed Device	23. Limit Stop	1. Broken	11. Rough
2. Blowpipe	13. Grounding	24. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (electrode)	14. Guard	25. Regulator	3. Defective	13. Valve Open
4. Cable (power)	15. Guard (belt)	26. Safety Device	4. Improperly Adjusted	14. Wrong Size or Type
5. Chip Screen	16. Guard (gears)	27. Screens	5. Improperly Located	15. Other (Note in Remarks)
6. Clamp or Vise	17. Guard (projecting stock)	28. Spindle	6. Improperly Secured	
7. Controls	18. Guard (splash)	29. Tool Rest	7. Inadequate	
8. Cylinder Cart	19. Guard (tool or die)	30. Torch	8. Inoperative	
9. Cylinder	20. Guard (wheel)	31. Wheel Dressing	9. Maintenance	
10. Dust Collector	21. Hose	32. Other (Note in Remarks)	10. Missing	
11. Flanges	22. Inspection Date and Tag			

REMARKS:

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

JW

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1131	Maintenance Shop	01	51	01	7	7	9-28
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto. Sprinkler System			Fire Extinguishers	1	
Emergency Exits			Protective Equip. Supply	5	
Emergency Station			P. A. System		
Evacuation Alarm			Safety Showers		
Eye Baths			Standpipes		
Fire Alarm Boxes	1		Other (Note in Remarks)		
Fire Doors					

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1131	Maintenance Shop	01	51	02	8	8	9-28-(
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	2		Radiating Surfaces		
Illumination	2		Traffic Control		
Material Containment	2		Ventilation	2	
Radiation			Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Area
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

70-67-3-3

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) Sam Trautman

01 - Fixed Protection
02 - Environmental Control

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1131	Maintenance Shops	01	51	03	9	9	9-28-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED		NO. UNSATISFACTORY (PART - REASON)
Catwalks			Ladder (stationery)		
Exit	3		Platforms		
Floors	2		Scaffolds		
Furniture	4		Stairs		
Ladder (portable)			Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1131	Maintenance Shops	01	51	04	2	1	9-28-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine			Steam (Bldg Ht - Below 15 psig)	1	
Hydrofluoric Acid			Steam (Low Pressure - 15 - 250 psig)		
Natural Gas			Steam (High Pressure - above 250 psig)		
Pyrofax			Air Other (Note in Remarks)	1	1 (4-13)

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1131	Maintenance Shop	01	51	05	12	10	9-21
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEMS INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Corded Equipment	4	
Utilization Equipment	5	1 (11-5)
High Voltage Equipment (Above 480 Volts)	X	
Disconnects	3	1 (7-6)
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
6. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1131	Maintenance Shops	01	51	06	3	3	9-25
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling			Use of Safe Attire	1	
Use of Tools	1		Use of Personnel Protective Devices		
Use and Maintenance of Machines & Equipment	1		Work Habits		
Use of Ionizing Radiation Sources					

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1131	Maintenance Shop	01	51	07	10	10	9-28-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE OF TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered		
Hand	10	
Hydraulic		
Pneumatic Powered		
Powder Actuated		

UNSATISFACTORY TOOL		
1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1131	Maintenance Shop	01	51	08	10	10	9-28
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor			Power Truck	1	
Chain Hoist (1)	2		Tractor		
Electric Hoist			Plant Railway		
Winch or Tugger			Skid		
Sling	1		Pallet		
Lifting Fixture			Bicycle		
Dolley	1		Bus		
Handtruck	4		Passenger Car		
Wheelbarrow			Motor Truck		
Fork Truck			Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Crossing Signals	25. Hitches	39. Other (Note in Remarks)
12. C[illegible] Signs	26. Hooks	
13. D[illegible]n Control	27. Horn	
14. Deck	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE)

07 - Power Tools

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1131	Maintenance Shop	01	51	09	4	4	9-26
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIO
Acetylene Tank			Freon Tank		
Air Receivers			HF Tank		
Boilers			UF_6 Containers		
Compressed Gas Cylinders	4		Water Storage Heaters		
Fluorine Tank			Other *(Note in Remarks)*		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other *(Note in Remarks)*
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other *(Note in Remarks)*	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1131	Maintenance Shop	01	51	10	8	8	9-28-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Automatic Arc Cutting Unit			Oxygen-Arc Cutting Unit	2	
Automatic Arc Welding Unit			Paper Cutter		
Bench or Pedestal Grinder	2		Planer (metal)		
Blower			Planer (wood)		
Boring Mill			Power Press		
Centrifuge			Press Brake		
Compressor			Pulverizer		
Crusher			Pump		
Diesels (stationary)			Saw (band - metal)	1	
Drill Press			Saw (band - wood)		
Fans			Saw (circular - metal)		
Forming Rolls			Saw (circular - wood)		
Gear Cutter			Saw (jig)		
Grinding Machine			Saw (power - rip)		
Hobber			Saw (radial)		
Jointer			Saw (swing)		
Lathe (engine)			Screw Machine		
Lathe (turret)			Shaper (metal)		
Lathe (woodworking)			Shaper (wood)		
Manual Arc Cutting Unit			Shears		
Manual Arc Welding Unit	2		Slicer		
Mixer			Pipe Threader Other (Note in Remarks)	1	

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

-368-

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT 1131 CRANE RAIL INSTALLATION SPECIAL JOB AUDIT
UCN-2021 (1 9-60) FIXED PROTECTION (Personnel - Fire) Page 1 of 4/5/6

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
		01	61	01			
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Auto. Sprinkler System			Fire Extinguishers		
Emergency Exits			Protective Equip. Supply		
Emergency Station		X	P. A. System		
Evacuation Alarm			Safety Showers		
Eye Baths			Standpipes		
Fire Alarm Boxes			Other (Note in Remarks)		
Fire Doors					

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
	1131 CRANE INSTALLATION	01	61	02	4	3	4/5/64
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	11	1 (*	Radiating Surfaces		
Illumination	1		Traffic Control		
Material Containment	1		Ventilation		
Radiation			Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Area
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS: * MATERIAL ON FLOOR BUT IN GENERAL THE HOUSEKEEPING ON THIS JOB IS SATISFACTORY.

—369— 31-25 10-6

AUDITED BY (SIGNATURE) [signature]

REVIEWED WITH (SIGNATURE) [signature]

01 - Fixed Protection
02 - Environmental Control

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1139	SPECIAL JOB AUDIT	01	61	03	8	3	4/5/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART-REASON)	SURFACES CHECKED		NO. UNSATISFACTORY (PART-REASON)
Catwalks	III	III (10-19) *	Ladder (stationery)	1	[redacted]
Exit			Platforms	1	1 (10-19) **
Floors			Scaffolds		
Furniture			Stairs		
Ladder (portable)	III	1 (6***)	Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks) * **
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS: * TOOTHPICKS NOT PROVIDED WITH HANDRAIL OR PROVISION FOR LIFE LINES.
** SCAFFOLD PLATFORM OVER 6FT HIGH NOT PROVIDED WITH HAND RAILS
(6***) USED WITHOUT BEING TIED OFF WORKMAN (20 FT)

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
				04			
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART-CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Fluorine			Steam (Bldg Ht - Below 15 psig)		
Hydrofluoric Acid			Steam (Low Pressure - 15-250 psig)		
Natural Gas			Steam (High Pressure - above 250 psig)		
Pyrofax			Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

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03 - Work Surfaces

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
139	Special Job Audit	01	61	05	1	1	4/5/
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Corded Equipment	1	1 (8-C)
Utilization Equipment		
High Voltage Equipment (Above 480 Volts)		
Disconnects		
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
6. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
139	Special Job Audit	01	61	06	10	6	4/5/
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	1	
Use of Tools		
Use and Maintenance of Machines & Equipment		
Use of Ionizing Radiation Sources		

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Use of Safe Attire	111	[redacted]
Use of Personnel Protective Devices	111	111 (15)
Work Habits	111	1 (18)*

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel Enclosure, when Unsafe Because of Temperatu Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

*REMARKS: WORK ON LADDER NOT TIED-OFF — ON MOST OCCASION CO-HOLDS LADDER.

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SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1131	Special Job Audit	01	61	07	5	5	4/5/
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered		
Hand	111	
Hydraulic	11	
Pneumatic Powered		
Powder Actuated		

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1131	Special Job Audit	01	61	08	11	11	4/5/
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor			Power Truck		
Chain Hoist	111		Tractor		
Electric Hoist			Plant Railway		
Winch or Tugger	111		Skid		
Sling	~~THH~~		Pallet		
Lifting Fixture			Bicycle		
Dolley			Bus		
Handtruck			Passenger Car		
Wheelbarrow			Motor Truck		
Fork Truck			Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Crossing Signals	25. Hitches	39. Other (Note in Remarks)
12. C[illegible] Signs	26. Hooks	
13. D[illegible]n Control	27. Horn	
14. Deck	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

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07 - Power Tools
08 - Materials Handling

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1131	Special Dept Audit	01	6	09	2	2	4/5
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIO
Acet[illegible] ank			Freon Tank		
Air Receivers			HF Tank		
Boilers			UF_6 Containers		
Compressed Gas Cylinders	11		Water Storage Heaters		
Fluorine Tank			Other *(Note in Remarks)*		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other *(Note in Remarks)*
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other *(Note in Remarks)*	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE) [illegible]

REVIEWED WITH (SIGNATURE) X [illegible]

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

JW

Page 1 of ____

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
4131	Maintenance Shop	01	51	01	3	3	3-25-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Sprinkler System			Fire Extinguishers	1	
Emergency Exits			Protective Equip. Supply		
Emergency Station			P. A. System	1	
Evacuation Alarm			Safety Showers		
Eye Baths			Standpipes		
Fire Alarm Boxes	1		Other (Note in Remarks)		
Fire Doors					

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
4-1131	Maintenance Shop	01	51	02	6	5	3-25-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	2	[illegible]	Radiating Surfaces		
Illumination	1		Traffic Control		
Material Containment	2		Ventilation	1	
Radiation			Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Area
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

-374-

AUDITED BY (SIGNATURE) W. P. Ecc

REVIEWED WITH (SIGNATURE) Jon Bishop

01 - Fixed Protection
02 - Environmental Control

6-4-58 0.8

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1131	Maintenance Shop	01	51	03	5	5	3-2[illegible]
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Catwalks			Ladder (stationery)		
Exit	3		Platforms		
Floors	1		Scaffolds		
Furniture	1		Stairs		
Ladder (portable)			Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1131	Maintenance Shop	01	51	04	2	2	3-25
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine			Steam (Bldg Ht - Below 15 psig)	1	
Hydrofluoric Acid			Steam (Low Pressure - 15 - 250 psig)		
Natural Gas			Steam (High Pressure - above 250 psig)		
Pyrofax			Air Other (Note in Remarks)	1	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE) H. P. Ellis

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1131	Maintenance Shop	01	51	05	8	7	3-28
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEMS INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Corded Equipment	3	
Utilization Equipment	3	1 (11-5)
High Voltage Equipment (Above 480 Volts)	–	
Disconnects	2	
Rotating Equipment		
Other *(Note in Remarks)*		

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other *(Note in Remarks)*

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
5. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1131	Maintenance Shop	01	51	06	8	8	3-28
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling			Use of Safe Attire	3	
Use of Tools	2		Use of Personnel Protective Devices	3	
Use and Maintenance of Machines & Equipment			Work Habits		
Use of Ionizing Radiation Sources					

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE)

05 - Electrical
06 - Work Practices

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1131	Maintenance Shop	01	51	07	13	10	3-28
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE OF TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND-CONDITION)
Electric Powered	3	2(6-14)(11-14)
Hand	10	1(16-15)
Hydraulic		
Pneumatic Powered		
Powder Actuated		

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1131	Maintenance Shop	01	51	08	8	8	3-28
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Conveyor			Power Truck		
Chain Hoist	4		Tractor		
Electric Hoist			Plant Railway		
Winch or Tugger			Skid		
Sling			Pallet	4	
Lifting Fixture			Bicycle		
Dolley			Bus		
Handtruck			Passenger Car		
Wheelbarrow			Motor Truck		
Fork Truck			Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Cr[illegible] Signals	25. Hitches	39. Other (Note in Remarks)
12. C[illegible] Signs	26. Hooks	
13. De[illegible]an Control	27. Horn	
14. Deck	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

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AUDITED BY (SIGNATURE) W. P. Foo[illegible]

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1131	Maintenance Shop	01	51	09	10	10	3-28
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITIC
Acetone Tank			Freon Tank		
Air Receivers			HF Tank		
Boilers			UF_6 Containers		
Compressed Gas Cylinders	10		Water Storage Heaters		
Fluorine Tank			Other *(Note in Remarks)*		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other *(Note in Remarks)*
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other *(Note in Remarks)*	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1131	Maintenance Shop	01	51	10	9	8	3-2
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

M E INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Arc Cutting Unit			Oxygen-Arc Cutting Unit	4	1 (19-2)
Automatic Arc Welding Unit			Paper Cutter		
Bench or Pedestal Grinder	2		Planer (metal)		
Blower			Planer (wood)		
Boring Mill			Power Press		
Centrifuge			Press Brake		
Compressor			Pulverizer		
Crusher			Pump		
Diesels (stationary)			Saw (band - metal)	1	
Drill Press			Saw (band - wood)		
Fans			Saw (circular - metal)		
Forming Rolls			Saw (circular - wood)		
Gear Cutter			Saw (jig)		
Grinding Machine			Saw (power - rip)		
Hobber			Saw (radial)		
Jointer			Saw (swing)		
Lo ngine)			Screw Machine		
Latr urret)			Shaper (metal)		
Lathe (woodworking)			Shaper (wood)		
Manual Arc Cutting Unit			Shears		
Manual Arc Welding Unit	1	1 (20-7)	Slicer		
Mixer			Pipe threader Other (Note in Remarks)	1	

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other *(Note in Remarks)*
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other *(Note in Remarks)*	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Fellin

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT
UCN-2021 (1-9-60)

FIXED PROTECTION
(Personnel - Fire)

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1212	Photo Laboratory	01	91	01	6	6	1-30-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITIO
Automatic Sprinkler System	1		Fire Extinguishers	11	
Emergency Exits	1		Protective Equip. Supply	—	
Emergency Station	—		P. A. System	1	
Evacuation Alarm	—		Safety Showers	—	
Eye Baths	—		Standpipes	—	
Fire Alarm Boxes	1		Other (Note in Remarks)		
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Poste
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1212	Photo Laboratory	01		02	11	11	1-30-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	1111		Radiating Surfaces	1	
Illumination	111		Traffic Control	—	
Material Containment	11		Ventilation	1	
Radiation	—		Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Are
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

AUDITED BY (SIGNATURE) J. T. Jenning

REVIEWED WITH (SIGNATURE) J. M. Edwards

01 - Fixed Protection
02 - Environmental Control

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1212	Photo Laboratory	01		03	5	5	1-30
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Catwalks	—		Ladder (stationery)	—	
Exit	1		Platforms	—	
Floors	1		Scaffolds	—	
Furniture	111		Stairs	—	
Ladder (portable)	—		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Woobly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1212	Photo Laboratory	01		04	2	2	1-30-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine	—		Steam (Bldg Ht - Below 15 psig)	11	
Hydrofluoric Acid	—		Steam (Low Pressure - 15-250 psig)	—	
Natural Gas	—		Steam (High Pressure - above 250 psig)	—	
Pyrofax	—		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE) R. F. Fennig

03 - Work Surfaces

REVIEWED WITH (SIGNATURE) J. N. Eggenberg

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1212	Photo Laboratory	01		05	28	11	1-30-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEMS INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Corded Equipment	//////	6(8-6)
Utilization Equipment	//////	1(13-6) 4(1-8) 1(11-8) 1(11-3) 4(15-5)
High Voltage Equipment (Above 480 Volts)	—	
Disconnects	—	
Rotating Equipment	—	
Other (Note in Remarks)	—	

ITEMS UNSATISFACTORY	
1. Boxes	9. Insulation
2. Conduit	10. Plugs
3. Connectors	11. Receptacles
4. Breaker	12. Safety Switch
5. Grounds	13. Switch
6. Ground Mats	14. Warning Signs
7. Identification	15. Other (Note in Remarks)
8. Inspection Date and Tag	

UNSATISFACTORY CONDITION	
1. Broken	6. Does Not Meet Plant Specifications
2. Cracked	7. Not Provided
3. Damaged	8. Ungrounded
4. Deteriorated	9. Unguarded
5. Identification	

REMARKS:

Circuits not identified

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
				06			
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling			Use of Safe Attire		
Use of Tools			Use of Personnel Protective Devices		
Use and Maintenance of Machines & Equipment			Work Habits		
Use of Ionizing Radiation Sources					

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees	11. Machine Left Running Unattended	21. Work Permit Issued to Allow Entrance to Vessel Enclosure, when Unsafe Because of Temperatu Gases or Electric Hazards
2. Failed to Use Crane Hand Signals	12. Operating With Safety Device Removed	22. Entrance Made (Under Unsafe Act No. 21)
3. Failed to Use Warning Device	13. Incorrect Safety Device Used	23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
4. Regularly Used Limit Switch to Stop Motion	14. Operating With Safety Device Improperly Adjusted	24. Film Badge Not Worn
5. Materials Stored, Mixed, or Combined to Create a Hazard	15. Respiratory Protection Not Worn	25. Eye Protection Not Worn
6. Flammables Handled in Unapproved Safety Can	16. Improper Respiratory Protection Worn	26. Improper Eye Protection
7. Incorrect Tool Used	17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling	27. Hard Hats Not Worn
8. Unsafe Tool Used	18. Working on Equipment Not Secured Against Unexpected Operation	28. Gloves Not Worn
9. Tool Used Improperly	19. Passenger Permitted to Ride in Unsafe Manner	29. Smoking in Posted Areas
10. Machine Operated at Unsafe Speed	20. Operable Radiation Survey Meter Not at Job Site	30. Eating in Posted Areas

REMARKS:

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SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1212	Photo Laboratory	01		07	0	0	1-30-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered	—	
Hand	—	
Hydraulic	—	
Pneumatic Powered	—	
Powder Actuated	—	

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remc
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1212	Photo Laboratory	01		08	1	0	1-30-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIO
Conveyor	—		Power Truck	—	
Chain Hoist	—		Tractor	—	
Electric Hoist	—		Plant Railway	—	
Winch or Tugger	—		Skid	—	
Sling	—		Pallet	—	
Lifting Fixture	—		Bicycle	—	
Dolley	—		Bus	—	
Handtruck	—		Passenger Car	1	1(39-17)
Wheelbarrow	—		Motor Truck	—	
Fork Truck	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. C g Signals	25. Hitches	39. Other (Note in Remarks)
12. C g Signs	26. Hooks	
13. De. ian Control	27. Horn	
14. Deck	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

Part #39 - Tire, Condition #17 - Tire Cord exposed

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REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1212	Photo Laboratory	01		09	3	2	1-30-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITI
Acet... Tank	—		Freon Tank	—	
Air Receivers	—		HF Tank	—	
Boilers	—		UF_6 Containers	—	
Compressed Gas Cylinders	111	1(0-18)	Water Storage Heaters	—	
Fluorine Tank	—		Other *(Note in Remarks)*		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other *(Note in Remarks)*
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other *(Note in Remarks)*	7. Incorrect	14. Not Shielded	

REMARKS:

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09 - Pressure Vessels &

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

JW

Page 1 of ____

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1400	TOTAL BUILDING	01	91	01	7	3	4/23/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Sprinkler System			Fire Extinguishers	III	1(3-6)*
Emergency Exits	III	III (7	Protective Equip. Supply		
Emergency Station			P. A. System		
Evacuation Alarm			Safety Showers		
Eye Baths			Standpipes		
Fire Alarm Boxes	I		Other (Note in Remarks)		
Fire Doors					

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Postec
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS: * RM 142 BACK of BOOK CASE

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO SATISFACTORY	DATE
1400	Building	01	91	02	13	10	4/23/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	~~III~~	III (4-8) (6-8)	Radiating Surfaces		
Illumination	I ~~III~~		Traffic Control		
Material Containment	II		Ventilation		
Radiation			Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Area
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:
RM 144 JANITORS CLOSET COVERALLS ON FLOOR
" 142 SEVERAL ITEMS STORED ON FLOOR
" 155 (LAB?) PUMP & TOOL BOX ON FLOOR
" 242 COVERALLS ETC NOT PROPERLY STORED.

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01 - Fixed Protection

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1400	Buildings	01		03	20	18	6/23/
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED		NO. UNSATISFACTORY (PART - REASON
Catwalks			Ladder (stationery)	11	1/*
Exit			Platforms		
Floors	~~IIII~~		Scaffolds		
Furniture	~~IIII~~ ~~IIII~~		Stairs	1	1/19 **
Ladder (portable)	11		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS: * ACCESS TO ATIC OBSTRUCTED BY CLOTHING RACK.

PART OF ENTRANCE STAIRWAY FROM STREET HAS SIX STEPS WITHOUT HAND RAIL — WHEN MORE THAN 4 STEPS ARE INVOLVED PROVIDING A HAND RAIL IS PREFERED PRACTICE.

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
				04			
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION
Fluorine			Steam (Bldg Ht - Below 15 psig)		
Hydrofluoric Acid			Steam (Low Pressure - 15 - 250 psig)		
Natural Gas			Steam (High Pressure - above 250 psig)		
Pyrofax			Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

-3860

AUDITED BY (SIGNATURE) [signature]

REVIEWED WITH (SIGNATURE) [signature]

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
140	Building	01		05	20	8	
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)	~~1~~	1(1-15)* 1(1-7)**
Corded Equipment	~~1~~	10(8-6)
Utilization Equipment		
High Voltage Equipment (Above 480 Volts)		
Disconnects		
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
6. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS: * LID NEEDS TO BE RE PLACED ON JUNCTION BOX R No 242

** OZALID MACHINE NEEDS CIRCUIT IDENTIFICATION ON CONTROL SW.

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
140	Building	01		06	2	2	
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	1		Use of Safe Attire		
Use of Tools			Use of Personnel Protective Devices		
Use and Maintenance of Machines & Equipment	1		Work Habits		
Use of Ionizing Radiation Sources					

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

-387

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SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1400	Building	01		07	11	11	
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE OF TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered	7	(6-14)
Hand	~~HHHH~~	1(7-9) 1(19-1)
Hydraulic	—	
Pneumatic Powered		
Powder Actuated		

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remar
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
				08			
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor			Power Truck		
Chain Hoist			Tractor		
Electric Hoist		—	Plant Railway		
Winch or Tugger			Skid		
Sling			Pallet		
Lifting Fixture			Bicycle		
Dolley			Bus		
Handtruck			Passenger Car		
Wheelbarrow			Motor Truck		
Fork Truck			Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Cr[illegible] Signals	25. Hitches	39. Other (Note in Remarks)
12. Cr[illegible], Signs	26. Hooks	
13. Dec[illegible]an Control	27. Horn	
14. Deck	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

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DSFd Box# H-2-3-18

#1

ChemRisk/Shonka Research Associates, Inc., Document Request Form

(This section to be completed by subcontractor requesting document)

J. Lamb / 1034A

Requestor — Document Center (is requested to provide the following document)

Date of request 9/14/95 — Expected receipt of document 10/14/95

Document number K/EM-288 — Date of document [redacted] 1961

Sanitized Version

Title and author (if document is unnumbered)

Environmental Conditions - Chemical Division - 1961 Binder 2072

⇒ Please copy the entire document - including strip charts

(This section to be completed by Document Center)

Date request received 9/14/95

Date submitted to ADC 10/10/95

Date submitted to HSA Coordinator 9/14/95

(This section to be completed by HSA Coordinator)

Date submitted to CICO 10/10/95 Resub. 12/14/95

Date received from CICO 12/27/95

Date submitted to ChemRisk/Shonka and DOE 1/8/96

(This section to be completed by ChemRisk/Shonka Research Associates, Inc.)

Date document received

Signature

ChemRisk Document No. 2419

K/EM-288

SANITIZED VERSION OF ENVIRONMENTAL CONDITIONS–CHEMICAL DIVISION–1961 (BINDER 2 OF 2)

(EXTRACTED FROM UNNUMBERED CRD DOCUMENT)

Compiled by
S. G. Thornton
Environmental Management Division
OAK RIDGE K-25 SITE
for the Health Studies Agreement

December 14, 1995

Oak Ridge K-25 Site
Oak Ridge, Tennessee 37831-7314
managed by
LOCKHEED MARTIN ENERGY SYSTEMS, INC.
for the U.S. DEPARTMENT OF ENERGY
under Contract DE-AC05-84OR21400

This document has been approved for release to the public by:
Gary W. Hall for ASQ 12/22/95
Technical Information Officer Date
Oak Ridge K-25 Site

Sanitized Version of

[redacted]

ALPHA CONTAMINATION AUDIT REPORT

Location K-1731 Lunch Room (5014) Date 12-4-61

Supervisor in Charge H. Manley Total Work Area 170 ft²

Operations in Progress Hours - Separation Shut down -

Protective Measures in Force —

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Surface Index 20 x 7	140.	3.0
	Area Factor (Total)	20.	0.0
	Area Factor (Wipe)	—	0.0

SPECIFIC LOCATION	Area (ft²) and Class of Contamination: Surface		Wipe		Maximum Reading (c/m): Surface	Wipe
Table - Top					<100	
- Seats					200	--
Wall - Floor -					<100	
Floor - Around Juke box	2L	I			700	
Floor						

	Range Surface	(c/m) Wipe	Weighting Factor		
Class 0	*	–	0	Total ft²	—
Class I	500-2000	100-500	1		2L
Class II	2000-10,000	500-2000	5		0
Class III	> 10,000	> 2000	20		0
			Grand Total (ft²)		0

Surface ☒ Wipe ☒ Bx/L P.B.L.

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS: Increased activity due to transfer from K1131. Decontamination Request will be issued to have >PBL area cleaned. No uranium being handled in K-1131 Bldg.

Inspector [signature] Op. Supervisor [signature] Date

[Form: Any sheet]

ALPHA CONTAMINATION AUDIT REPORT

Location K-1231 Office & Lab Rooms (5013) Date 4-24-81

Supervisor in Charge J. DYNSTYL Total Work Area 500 ft^2

Operations in Progress —

Protective Measures in Force —

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	0.0	0.0
	Area Factor (Total)	0.0	0.0
	Area Factor (Wipe)	0.0	0.0

SPECIFIC LOCATION	Area (ft^2) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
OFFICE & FSC.					<PAL	<PAL.

	Range Surface	(c/m) Wipe	Weighting Factor			
Class 0	*	–	0	Total ft^2		
Class I	500-2000	100-500	1		0	0
Class II	2000-10,000	500-2000	5		0	0
Class III	> 10,000	> 2000	20		0	0
			Grand Total (ft^2)		0	0

B & 7 - PAL.

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

-5-

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
[illegible]								
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
[illegible]	370	3:10	10	130	2/2	0.00[illegible]

SUMMARY:							
Air Samples	1	No. Taken		For Samples > P.A.L.	Total		Total 0.008
	0	No. > P.A.L.					
	0	% > P.A.L.			%		Average 0.008

REMARKS:

Inspector [illegible] Op. Supervisor [illegible] Date

ALPHA CONTAMINATION AUDIT REPORT

Location K-123 / Office & Locker Rooms (5013) Date 2-23-61

Supervisor in Charge J. DYKSTRA. Total Work Area 500 ft^2

Operations in Progress —

Protective Measures in Force —

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	0.0	0.8
	Area Factor (Total)	0.0	0.8
	Area Factor (Wipe)	0.0	0.0

SPECIFIC LOCATION	Area (ft^2) and Class of Contamination		Maximum Reading (c/m)	
	Surface	Wipe	Surface	Wipe
Office.	—	—	<100	<100
Locker Room			200	<100

	Range (c/m) Surface	Range (c/m) Wipe	Weighting Factor			
Class 0	*	–	0	Total ft^2		
Class I	500-2000	100-500	1		0	0
Class II	2000-10,000	500-2000	5		0	0
Class III	> 10,000	> 2000	20		0	0
				Grand Total (ft^2)	0	0

P&A

<P.A.L.

*Class 0 Is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Re Re No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
No Personnel Present.								
SUMMARY: No. > P.A.L.								
SUMMARY: No. Checked								
SUMMARY: % Total Checks > P.A.L.								

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
Locker Room	172	1:52	10	140	0/0	0.007

SUMMARY:							
Air Samples	1	No. Taken		For Samples > P.A.L.	Total		Total 0.007
	0	No. > P.A.L.			%		Average 0.007
	0	% > P.A.L.					

REMARKS:

Inspector J. G. Kelly. Op. Supervisor T. P. Fleming Date 2-27-61

ALPHA CONTAMINATION AUDIT REPORT

Location K-1231 Lunch Room. (5014) Date 2-23-61

Supervisor in Charge J. DYKSTRA. Total Work Area 120 ft^2

Operations in Progress —

Protective Measures in Force —

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	0.0	0.0
	Area Factor (Total)	0.0	0.0
	Area Factor (Wipe)	0.0	0.0

SPECIFIC LOCATION	Area (ft^2) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Lunch Room						
Floor + Equip.	—		—		200	<100

	Range (c/m) Surface	Range (c/m) Wipe	Weighting Factor			
Class 0	*	–	0	Total ft^2		
Class I	500-2000	100-500	1		0	0
Class II	2000-10,000	500-2000	5		0	0
Class III	> 10,000	> 2000	20		0	0
			Grand Total (ft^2)		0	0

Ø & 7 <PAL.

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Re Ref No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
No Personnel Present.								
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
Director of Room.	173	2:08	10	150	0/0	0.0

SUMMARY:							
Air Samples	1	No. Taken		For Samples > P.A.L.	Total		Total 0.0
	0	No. > P.A.L.			%		Average 0.0
	0	% > P.A.L.					

REMARKS:

Inspector J. G. Keller Op. Supervisor T. V. Fleming Date 2-27-61

FETY AUDIT REPORT
N-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1231	FACILITY	03	61	01	5	5	7-20-64
1-5		46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)
omatic Sprinkler System	—		Fire Extinguishers	7	
ergency Exits	—		Protective Equip. Supply	1	
ergency Station	—		P. A. System	—	
acuation Alarm	—		Safety Showers	1	
Baths	1		Standpipes	—	
e Alarm Boxes	—		Other (Note in Remarks)	—	
e Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
Container	10. Piping	1. Contents Not Labelled	9. Leaking
Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
Entire Unit	12. Rack	3. Deteriorated	11. Missing
Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
Nozzle	17. Other	8. Inoperative	
Operating Instructions			

MARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1231	FACILITY	03	61	02	3	2	7-20-64
1-5		46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
ousekeeping	1	1(6-2)0	Radiating Surfaces	—	
umination	1		Traffic Control	—	
aterial Containment	1		Ventilation	—	
adiation	—		Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Areas
Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

EMARKS:
D PYROFAX CYLINDERS, SCRAP STEEL, MISCELLANEOUS SCRAP ON PLATFORMS & FLOOR

50-40 0-0

AUDITED BY (SIGNATURE) W. E. Muldrew

REVIEWED WITH (SIGNATURE) R. B. Coffey

1 - Fixed Protection
2 - Environmental Control

AFETY AUDIT REPORT

CN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1231	FACILITY	03	61	03	15	15	7-20-61
IBM 1-5		46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Catwalks	////		Ladder (stationery)	///	
Exit	////		Platforms	—	
Floors	//		Scaffolds	—	
Furniture	—		Stairs	//	
Ladder (portable)	—		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1231	FACILITY	03	61	04	1	1	7-20-61
IBM 1-5		46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine	—		Steam (Bldg Ht - Below 15 psig)	—	
Hydrofluoric Acid	1		Steam (Low Pressure - 15-250 psig)	—	
Natural Gas	—		Steam (High Pressure - above 250 psig)	—	
Pyrofax	—		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

AFETY AUDIT REPORT

CN-2021 (1 9-60)

ELECTRICAL

ILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1231	FACILITY	03	61	05	21	14	7-20-61
1-5	6-40	46-49	50-51	52-53	54-57	58-61	62-67

ISPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
ow Voltage Equipment elow 480 Volts)		
orded Equipment	MH MH	~~1~~(8-5)
tilization Equipment	MH MH 1	1(15)① 1(1)②
igh Voltage Equipment bove 480 Volts)		
isconnects	—	
otating Equipment	—	
ther (Note in Remarks)	—	
	—	

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
5. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

EMARKS: ① 440 V SWITCH, Plug, & EXTENSION CORD SHOULD Be Removed
② Box Cover MISSING HF TANK ROOM

WORK PRACTICES

ILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
M 1-5	6-45	46-49	50-51	06 52-53	54-57	58-61	62-67

RACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
aterials Handling			Use of Safe Attire		
se of Tools			Use of Personnel Protective Devices		
se and Maintenance of achines & Equipment			Work Habits		
se of Ionizing adiation Sources					

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
0. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

EMARKS:

JDITED BY (SIGNATURE)	REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
				07			
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE OF TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered		
Hand		
Hydraulic		
Pneumatic Powered		
Powder Actuated		

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge-Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1231	FACILITY	03	61	08	5	5	7-20-61
IBM 1-5		46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor	—		Power Truck	—	
Chain Hoist	—		Tractor	—	
Electric Hoist	/		Plant Railway	—	
Winch or Tugger	—		Skid	III	
Sling	—		Pallet	—	
Lifting Fixture	/		Bicycle	—	
Dolley	—		Bus	—	
Handtruck	—		Passenger Car	—	
Wheelbarrow	—		Motor Truck	—	
Fork Truck	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Cr[illegible] Signals	25. Hitches	39. Other (Note in Remarks)
12. C[illegible] Signs	26. Hooks	
13. Dec[illegible]an Control	27. Horn	
14. Deck	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

2.5hrs - Sheets 1,2,3,5 & 6 required. JW

AFETY AUDIT REPORT
CN-2021-(1-9-60)

FIXED PROTECTION
(Personnel - Fire)

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1-1231	FACILITY	03	61	01	2	1	5-17-61
1-5		46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
uton. Sprinkler System	/		Fire Extinguishers	/	(0-10)
mergency Exits	—		Protective Equip. Supply	—	
mergency Station	—		P. A. System	—	
vacuation Alarm	—		Safety Showers	—	
ye Baths	—		Standpipes	—	
ire Alarm Boxes	—		Other (Note in Remarks)	—	
ire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
. Container	10. Piping	1. Contents Not Labelled	9. Leaking
. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
. Entire Unit	12. Rack	3. Deteriorated	11. Missing
. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
. Nozzle	17. Other	8. Inoperative	
. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1231	FACILITY	03	61	02	4	4	5-17-61
BM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	/		Radiating Surfaces	—	
Illumination	/		Traffic Control	—	
Material Containment	/		Ventilation	/	
Radiation	—		Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Areas
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

-15- 59-57 0-0

AUDITED BY (SIGNATURE) W. E. Muldrew

REVIEWED WITH (SIGNATURE) [illegible]

01 - Fixed Protection
02 - Environmental Control

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1231	FACILITY	03	61	03	17	16	5-17-61
IBM 1-5		46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Catwalk	1	(16-19)A	Ladder (stationery)	11	
Exit	IIII		Platforms	IIII	
Floors	1		Scaffolds	—	
Furniture	—		Stairs	IIII	
Ladder (portable)	1		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS: (A) MISCELLANEOUS MATERIALS SHOULD NOT BE LEFT LYING ON CATWALK

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1231	FACILITY	03	61	04	3	3	5-17-61
IBM 1-5		46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine	—		Steam (Bldg Ht - Below 15 psig)	—	
Hydrofluoric Acid	—		Steam (Low Pressure - 15-250 psig)	—	
Natural Gas	—		Steam (High Pressure - above 250 psig)	—	
Pyrofax	—		Other (Note in Remarks)	III(A)	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:
(A) SERVICE: AIR, NITROGEN

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

03 - Work Surfaces
04 - Piping & Containers

AFETY AUDIT REPORT

CN-2021 (1 9-60)

ELECTRICAL

UILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1231	FACILITY	03	61	05	23	23	5-17-61
1-5		46-49	50-51	52-53	54-57	58-61	62-67

NSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
ow V. ge Equipment Below 480 Volts)		
orded Equipment	—	
tilization Equipment	~~~~	
igh Voltage Equipment Above 480 Volts)		
Disconnects	—	
Rotating Equipment	—	
Other (Note in Remarks)	—	

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
5. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

UILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
				06			
3M 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling			Use of Safe Attire		
Use of Tools			Use of Personnel Protective Devices		
Use and Maintenance of Machines & Equipment			Work Habits		
Use of Ionizing Radiation Sources					

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel Enclosure, when Unsafe Because of Temperatu Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

05 - Electrical
06 - Work Practices

SAFETY AUDIT REPORT

JCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1231	FACILITY	03	61	09	5	5	5-17-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-6

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITI-
Acetone Tank	NH		Freon Tank	—	
Air Receivers	—		HF Tank	—	
Boilers	—		UF_6 Containers	—	
Compressed Gas Cylinders	—		Water Storage Heaters	—	
Fluorine Tank	—		Other *(Note in Remarks)*	—	

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other *(Note in Remarks)*
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other *(Note in Remarks)*	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

.FETY AUDIT REPORT

:N-2021 (1 9-60)

MACHINERY AND EQUIPMENT

ILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
Y	FACILITY			10	5	5	5-17-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
...tomatic Arc Cutting Unit	—		Oxygen-Arc Cutting Unit	—	
...tomatic Arc Welding Unit	—		Paper Cutter	—	
...nch or Pedestal Grinder	—		Planer (metal)	—	
...ower	—		Planer (wood)	—	
...ring Mill	—		Power Press	—	
...entrifuge	—		Press Brake	—	
...ompressor	—		Pulverizer	—	
...rusher	—		Pump	1141	
...iesels (stationary)	—		Saw (band - metal)	—	
...rill Press	—		Saw (band - wood)	—	
...ans	—		Saw (circular - metal)	—	
...orming Rolls	—		Saw (circular - wood)	—	
...ear Cutter	—		Saw (jig)	—	
...rinding Machine	—		Saw (power - rip)	—	
...obber	—		Saw (radial)	—	
...ointer	—		Saw (swing)	—	
...engine)	—		Screw Machine	—	
...ar ...ret)	—		Shaper (metal)	—	
...athe (woodworking)	—		Shaper (wood)	—	
...Manual Arc Cutting Unit	—		Shears	—	
...Manual Arc Welding Unit	—		Slicer	—	
...Mixer	✓		Other (Note in Remarks)	1	

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
0. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

-19-

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REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

JCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1231	K-1231 Bldg. (EAST)	03	01	01	8	8	3-20-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Sprinkler System	—		Fire Extinguishers	11	
Emergency Exits	1		Protective Equip. Supply	1	
Emergency Station	1		P. A. System	—	
Evacuation Alarm	—		Safety Showers	1	
Eye Baths	1		Standpipes	—	
Fire Alarm Boxes	1		Other (Note in Remarks)	—	
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1231	K-1231 Bldg. (EAST)	03	01	02	10	9	3-20-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	111	*1 (6-21)	Radiating Surfaces	1	
Illumination	11		Traffic Control	1	
Material Containment	11		Ventilation	1	
Radiation	—		Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Area
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS: (* Accumulation misc. Items At lab bench.)
Noted much Improvement in housekeeping this Mo.
Noted Items checked last month have been corrected.

-20-

AUDITED BY (SIGNATURE) J. G. Kelly

REVIEWED WITH (SIGNATURE) [illegible]

01 - Fixed Protection
02 - Environmental Control

76.28 12-12

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
231	K-1231 Bldg. (East)	03	01	03	10	10	
1 - 5	6 - 45	46 - 49	50 - 51	52 - 53	54 - 57	58 - 61	62 - 67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED		NO. UNSATISFACTORY (PART - REASON)
Catwalks	1		Ladder (stationery)	1	
Exit	1		Platforms	1	
Floors	11		Scaffolds	—	
Furniture	11		Stairs	1	
Ladder (portable)	1		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1231	K-1231 Bldg. (East)	03	01	04	4	4	3-20-6.
IBM 1 - 5	6 - 45	46 - 49	50 - 51	52 - 53	54 - 57	58 - 61	62 - 67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION
Fluorine	—		Steam (Bldg Ht - Below 15 psig)	1	
Hydrofluoric Acid	1		Steam (Low Pressure - 15 - 250 psig)	1	
Natural Gas	—		Steam (High Pressure - above 250 psig)	—	
Pyrofax	1		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE)	REVIEWED WITH (SIGNATURE)
J. G. Kelly.	

03 - Work Surfaces

AFETY AUDIT REPORT

CN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1231	K-1231 Bldg. (East)	03	01	05	16	9	3-20-6
BM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Grounded Equipment	~~IIII~~	III(9-7)
Utilization Equipment	~~IIII~~ ~~IIII~~	III(7-7)II(13-1)
High Voltage Equipment (Above 480 Volts)		
Disconnects	/	
Rotating Equipment	—	
Other (Note in Remarks)	—	

ITEMS UNSATISFACTORY

1. Boxes	9. Insulation
2. Conduit	10. Plugs
3. Connectors	11. Receptacles
4. Breaker	12. Safety Switch
5. Grounds	13. Switch
6. Ground Mats	14. Warning Signs
7. Identification	15. Other (Note in Remarks)
8. Inspection Date and Tag	

UNSATISFACTORY CONDITION

1. Broken	5. Does Not Meet Plant Specifications
2. Cracked	7. Not Provided
3. Damaged	8. Ungrounded
4. Deteriorated	9. Unguarded
5. Identification	10-others

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1231	K-1231 Bldg. (East)	03	01	06	12	12	3-20-6
BM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	/		Use of Safe Attire	//	
Use of Tools	//		Use of Personnel Protective Devices	///	
Use and Maintenance of Machines & Equipment	/		Work Habits	///	
Use of Ionizing Radiation Sources	—				

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees	11. Machine Left Running Unattended	21. Work Permit Issued to Allow Entrance to Vessel c Enclosure, when Unsafe Because of Temperatur Gases or Electric Hazards
2. Failed to Use Crane Hand Signals	12. Operating With Safety Device Removed	22. Entrance Made (Under Unsafe Act No. 21)
3. Failed to Use Warning Device	13. Incorrect Safety Device Used	23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
4. Regularly Used Limit Switch to Stop Motion	14. Operating With Safety Device Improperly Adjusted	24. Film Badge Not Worn
5. Materials Stored, Mixed, or Combined to Create a Hazard	15. Respiratory Protection Not Worn	25. Eye Protection Not Worn
6. Flammables Handled in Unapproved Safety Can	16. Improper Respiratory Protection Worn	26. Improper Eye Protection
7. Incorrect Tool Used	17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling	27. Hard Hats Not Worn
8. Unsafe Tool Used	18. Working on Equipment Not Secured Against Unexpected Operation	28. Gloves Not Worn
9. Tool Used Improperly	19. Passenger Permitted to Ride in Unsafe Manner	29. Smoking in Posted Areas
10. Machine Operated at Unsafe Speed	20. Operable Radiation Survey Meter Not at Job Site	30. Eating in Posted Areas

REMARKS:

AUDITED BY (SIGNATURE) J. G. Kelly

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
231	K-1231 Bldg. (East)	03	01	07	6	6	3-20-6
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE OF TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered	11	
Hand	11	
Hydraulic	—	
Pneumatic Powered	—	
Powder Actuated	11	

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remar
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1231	K-1231 Bldg. (East)	03	01	08	7	7	3-20-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor	—		Power Truck	—	
Chain Hoist	1		Tractor	—	
Electric Hoist	1		Plant Railway	—	
Winch or Tugger	—		Skid	—	
Sling	11		Pallet	11	
Lifting Fixture	1		Bicycle	—	
Dolley	—		Bus	—	
Handtruck	—		Passenger Car	—	
Wheelbarrow	—		Motor Truck	—	
Fork Truck	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. C g Signals	25. Hitches	39. Other (Note in Remarks)
12. C g Signs	26. Hooks	
13 ian Control	27. Horn	
1 ck	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

-23-

AUDITED BY (SIGNATURE) J. G. Kelly

REVIEWED WITH (SIGNATURE)

AFETY AUDIT REPORT

ICN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1231	K-1231 Bldg. (East)	03	01	09	3	3	3-20-1
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Acetone Tank	—		Freon Tank	—	
Air Receivers	—		HF Tank	1	
Boilers	—		UF_6 Containers	—	
Compressed Gas Cylinders	1		Water Storage Heaters	1	
Fluorine Tank	—		Other *(Note in Remarks)*	—	

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other *(Note in Remarks)*
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other *(Note in Remarks)*	7. Incorrect	14. Not Shielded	

REMARKS:

-24-

AUDITED BY (SIGNATURE) J.G. Kelly

REVIEWED WITH (SIGNATURE)

AFETY AUDIT REPORT

CN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

JILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
31	K-1231 Bldg. (East)	03	03	10	12	12	2-20-6.
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MA E INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
utomatic Arc Cutting Unit	—		Oxygen-Arc Cutting Unit	—	
utomatic Arc Welding Unit	—		Paper Cutter	—	
ench or Pedestal Grinder	1		Planer (metal)	—	
lower	—		Planer (wood)	—	
oring Mill	—		Power Press	—	
entrifuge	1111		Press Brake	—	
ompressor	—		Pulverizer	—	
rusher	—		Pump	111	
iesels (stationary)	—		Saw (band - metal)	—	
rill Press	1		Saw (band - wood)	—	
ans	1		Saw (circular - metal)	—	
orming Rolls	—		Saw (circular - wood)	—	
ear Cutter	—		Saw (jig)	—	
rinding Machine	—		Saw (power - rip)	—	
obber	—		Saw (radial)	—	
ointer	—		Saw (swing)	—	
gine)	—		Screw Machine	—	
ath. rret)	—		Shaper (metal)	—	
athe (woodworking)	—		Shaper (wood)	—	
anual Arc Cutting Unit	—		Shears	—	
anual Arc Welding Unit	—		Slicer	—	
ixer	11		Other (Note in Remarks)	—	

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
0. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

-25-

AUDITED BY (SIGNATURE) J. G. Kelly

REVIEWED WITH (SIGNATURE)

10 - Machinery and

SAFETY AUDIT REPORT
JCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1231	FACILITY	03	61	01	5	5	7-20-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITI
Automatic Sprinkler System	1		Fire Extinguishers	11	
Emergency Exits	—		Protective Equip. Supply	—	
Emergency Station	1		P. A. System	—	
Evacuation Alarm	—		Safety Showers	—	
Eye Baths	—		Standpipes	—	
Fire Alarm Boxes	1		Other (Note in Remarks)	—	
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1231	FACILITY	03	61	02	3	3	7-20-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	1		Radiating Surfaces	—	
Illumination	—		Traffic Control	—	
Material Containment	1		Ventilation	1	
Radiation	—		Other (Note in Remarks)	—	

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Area
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

-26-

29-29 0-0

AUDITED BY (SIGNATURE) W. E. Muldrew

REVIEWED WITH (SIGNATURE) R. B. Coffey

01 - Fixed Protection
02 - Environmental Control

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1231	FACILITY	03	61	03	5	5	7-20-6
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED		NO. UNSATISFACTORY (PART - REASON)
Catwalks	—		Ladder (stationery)	//	
Exit	///		Platforms	////	
Floors	/		Scaffolds	—	
Furniture	—		Stairs	//	
Ladder (portable)	—		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
0. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
1. Hinges		11. Not Well Illuminated	

EMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
				04			
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine			Steam (Bldg Ht - Below 15 psig)		
Hydrofluoric Acid			Steam (Low Pressure - 15 - 250 psig)		
Natural Gas			Steam (High Pressure - above 250 psig)		
Pyrofax			Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

-27-

AUDITED BY (SIGNATURE)	REVIEWED WITH (SIGNATURE)

03 - Work Surfaces
04 - Piping & Containers

AFETY AUDIT REPORT
CN-2021 (1 9-60)

ELECTRICAL

UILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1231	FACILITY	03	61	05	10	10	7-20-6
M 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-6

I SPECTED	NO.	NO. UNSATISFACTORY (ITEM - CONDITION)
ow Voltage Equipment Below 480 Volts)		
orded Equipment	—	
tilization Equipment	||| |||	
igh Voltage Equipment Above 480 Volts)		
isconnects	—	
otating Equipment	—	
ther (Note in Remarks)	—	
—	—	

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
5. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

EMARKS:

WORK PRACTICES

UILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
M 1-5	6-45	46-49	50-51	06 52-53	54-57	58-61	62-67

RACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
aterials Handling			Use of Safe Attire		
se of Tools			Use of Personnel Protective Devices		
se and Maintenance of achines & Equipment			Work Habits		
se of Ionizing adiation Sources					

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
0. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel Enclosure, when Unsafe Because of Temperatu Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

EMARKS:

-28-

UDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

05 - Electrical
06 - Work Practices

SAFETY AUDIT REPORT
JCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1231	FACILITY	03	61	09	6	6	7-20-61
1-5		46-49	50-51	52-53	54-57	58-61	62-67

T INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Acetone Tank	1		Freon Tank	—	
Air Receivers	—		HF Tank	—	
Boilers	—		UF_6 Containers	—	
Compressed Gas Cylinders	—		Water Storage Heaters	—	
Fluorine Tank	—		Other *(Note in Remarks)*	—	

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other *(Note in Remarks)*
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other *(Note in Remarks)*	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

09 - Pressure Vessels & Gas Cylinders

SAFETY AUDIT REPORT
JCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1231	F&E.	03	61	01	9	8	2-3-61
BM 1-5		46-49	50-51	52-53	54-57	58-61	62-67

INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITIC
utomatic Sprinkler System	—		Fire Extinguishers	11	
mergency Exits	1		Protective Equip. Supply	1	
mergency Station	1	1 (2-14) (11-13)	P. A. System	1	
vacuation Alarm	—		Safety Showers	1	
ye Baths	1		Standpipes	—	
ire Alarm Boxes	1		Other (Note in Remarks)		
ire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
. Container	10. Piping	1. Contents Not Labelled	9. Leaking
. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
. Entire Unit	12. Rack	3. Deteriorated	11. Missing
. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
. Nozzle	17. Other	8. Inoperative	
. Operating Instructions			

REMARKS: Mask have been changed out.

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1231	F&E.	03	61	02	7	6	2-3-61
BM 1-5		46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
ousekeeping	11	*1 (21-8)	Radiating Surfaces	1	
ilumination	1		Traffic Control	1	
aterial Containment	1		Ventilation	1	
adiation	—		Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Areas
. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS: *switch Room.

AUDITED BY (SIGNATURE) J. L. Kelly

REVIEWED WITH (SIGNATURE) [illegible]

01 - Fixed Protection
02 - Environmental Control

63-56 12-10-

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1231	F2e.	03	61	03	8	8	2-3-61
1-5		46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED		NO. UNSATISFACTORY (PART - REASON)
Catwalks	1		Ladder (stationery)	1	
Exit	1		Platforms	1	
Floors	1		Scaffolds	—	
Furniture	1		Stairs	1	
Ladder (portable)	1		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
0. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
1. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1231	F2e.	03	61	04	3	3	2-3-61
IBM 1-5		46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine	—		Steam (Bldg Ht - Below 15 psig)	1	
Hydrofluoric Acid	1		Steam (Low Pressure - 15-250 psig)	1	
Natural Gas	—		Steam (High Pressure - above 250 psig)	—	
Pyrofax	—		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE) J. E. Kelly

REVIEWED WITH (SIGNATURE) [illegible]

03 - Work Surfaces
04 - Piping & Containers

.AFETY AUDIT REPORT

ICN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1231	F2e.	03	61	05	11	6	2-3-61
BM 1-5		46-49	50-51	52-53	54-57	58-61	62-6

INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)		
orded Equipment	IIII	II (8-7)
tilization Equipment	HH	II (7-7) I (1-10)
igh Voltage Equipment (Above 480 Volts)		
isconnects	I	
otating Equipment	I	
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
5. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded
10 Other.

REMARKS: Covers OFF Boxes & doors open. Conduit covers OFF

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1231	F2e.	03	61	06	12	10	2-3-6
BM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	II		Use of Safe Attire	II	
Use of Tools	II		Use of Personnel Protective Devices	II	I (7-26)
Use and Maintenance of Machines & Equipment	II		Work Habits	II	I (7-11)
Use of Ionizing Radiation Sources	—				

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
0. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel Enclosure, when Unsafe Because of Temperatu Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS: grinder left running. No face used on grinding.

AUDITED BY (SIGNATURE) J. E. Kelly

REVIEWED WITH (SIGNATURE) A. N. Anchor

05 - Electrical
06 - Work Practices

SAFETY AUDIT REPORT

JCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
231	F&E.	03	61	07	5	5	2-3-61
1-5		46-49	50-51	52-53	54-57	58-61	62-67

TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered	11	
Hand	11	
Hydraulic	—	
Pneumatic Powered	—	
Powder Actuated	1	

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remark
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
231	F&E	03	61	08	6	6	2-3-61
BM 1-5		46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor			Power Truck	—	
Chain Hoist	1		Tractor	—	
Electric Hoist	1		Plant Railway	—	
Winch or Tugger	—		Skid	1	
Piling	1		Pallet	1	
Lifting Fixture	1		Bicycle	—	
Dolley	—		Bus	—	
Handtruck	—		Passenger Car	—	
Wheelbarrow	—		Motor Truck	—	
Fork Truck	—		Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Cr[illegible]ng Signals	25. Hitches	39. Other (Note in Remarks)
12. C[illegible]g Signs	26. Hooks	
13. D[illegible]an Control	27. Horn	
14. Deck	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

-35

AUDITED BY (SIGNATURE) J. G. Kelly

REVIEWED WITH (SIGNATURE) [illegible]

07 - Power Tools
08 - Materials Handling

AFETY AUDIT REPORT

ICN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
231	1 F3C.	08	61	09	4	4	2-3-61
BM 1-5		46-49	50-51	52-53	54-57	58-61	62-6

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITI
Acetone Tank	—		Freon Tank	—	
Air Receivers	—		HF Tank	1	
Boilers	—		UF_6 Containers	—	
Compressed Gas Cylinders	11		Water Storage Heaters	1	
Fluorine Tank	—		Other *(Note in Remarks)*		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other *(Note in Remarks)*
. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
. Grounding or Bonding	14. Other *(Note in Remarks)*	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE) J. G. Kelly

REVIEWED WITH (SIGNATURE) C. A. Archer

09 - Pressure Vessels & Gas Cylinders

SAFETY AUDIT REPORT

JCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
				10	10	9	2-3-6
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Arc Cutting Unit	—		Oxygen-Arc Cutting Unit	—	
Automatic Arc Welding Unit	—		Paper Cutter	—	
Bench or Pedestal Grinder	1	1(28-10)	Planer (metal)	—	
Blower	—		Planer (wood)	—	
Boring Mill	—		Power Press	—	
Centrifuge	11		Press Brake	—	
Compressor	—		Pulverizer	—	
Crusher	—		Pump	11	
Diesels (stationary)	—		Saw (band - metal)	—	
Drill Press	—		Saw (band - wood)	—	
Fans	11		Saw (circular - metal)	—	
Forming Rolls	—		Saw (circular - wood)	—	
Gear Cutter	—		Saw (jig)	—	
Grinding Machine	—		Saw (power - rip)	—	
Hobber	—		Saw (radial)	—	
Jointer	—		Saw (swing)	—	
gine)	—		Screw Machine	—	
Lathe (turret)	—		Shaper (metal)	—	
Lathe (woodworking)	—		Shaper (wood)	—	
Manual Arc Cutting Unit	—		Shears	—	
Manual Arc Welding Unit	1		Slicer	—	
Mixer	11		Other (Note in Remarks)		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS: Shieldown grinder.

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AUDITED BY (SIGNATURE) J. G. Kelly.

REVIEWED WITH (SIGNATURE) A. W. Archer

SAFETY AUDIT REPORT 4.5 hrs.

UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1301	CHEMICAL PRODUCTION AND HANDLING	03	61	01	19	15	7-14-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDIT
Automatic Sprinkler System	—		Fire Extinguishers	卌 11	1(0-10; 0-5)
Emergency Exits	—		Protective Equip. Supply	1	1(15-15)
Emergency Station	III	1(2-2; 11-13; 17-15*)	P. A. System	—	
Evacuation Alarm	—		Safety Showers	卌	
Eye Baths	1		Standpipes	—	
Fire Alarm Boxes	11	1(7-2) 1(7-8)	Other (Note in Remarks)	—	
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS: * EMERGENCY STATION ON CORNER OF BUILDING 1056 ACROSS FROM 1301 — HINGE ON DOOR BROKEN - DOOR NOT SEALED, BUT WIRED SHUT WITH HEAVY WIRE MAKING ACCESS DIFFICULT — IMPERMEABLE SUIT NEEDS CHECKED FOR DETERIORATION ASSAULT MASKS DATED 1959 change Doc) All ~~Respirators~~ ASSAULT MASKS had been USED AND were piled IN CORNER.

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO SATISFACTORY	DATE
K1301	CHEMICAL PRODUCTION AND HANDLING	03	61	02	19	19	7-14-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	卌 1		Radiating Surfaces	—	
Illumination	卌		Traffic Control	—	
Material Containment	11		Ventilation	卌	
Radiation	—		Other (Note in Remarks)	—	

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Area
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

-36- 171-176 2-2

AUDITED BY (SIGNATURE) Willis E. Muldrew

REVIEWED WITH (SIGNATURE) T. R. Fleming

01 - Fixed Protection
02 - Environmental Control

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1301	CHEMICAL PRODUCTION AND HANDLING	03	61	03	18	18	7-14-61
1 - 5	6 - 45	46 - 49	50 - 51	52 - 53	54 - 57	58 - 61	62 - 67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Catwalks	—		Ladder (stationery)	1	
Exit	IIII		Platforms	1	
Floors	IIII		Scaffolds	—	
Furniture	II		Stairs	II	
Ladder (portable)	IIII	1(14-9; 6-17)	Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
0. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
1. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1301	CHEMICAL PRODUCTION AND HANDLING	03	61	04	8	8	7-14-61
IBM 1 - 5	6 - 45	46 - 49	50 - 51	52 - 53	54 - 57	58 - 61	62 - 67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine	III		Steam (Bldg Ht - Below 15 psig)	—	
Hydrofluoric Acid	—		Steam (Low Pressure - 15 - 250 psig)	—	
Natural Gas	—		Steam (High Pressure - above 250 psig)	—	
Pyrofax	—		Other (Note in Remarks)	IIII	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

03 - Work Surfaces
04 - Piping & Containers

AFETY AUDIT REPORT

CN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1301	CHEMICAL PRODUCTION AND HANDLING	03	61	05	22	22	7-14-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
ow V ge Equipment Below 480 Volts)		
orded Equipment	~~IIII~~ III	
tilization Equipment	~~IIII~~ ~~IIII~~	
igh Voltage Equipment Above 480 Volts)		
isconnects	—	
otating Equipment	—	
ther (Note in Remarks)	—	

ITEMS UNSATISFACTORY	
1. Boxes	9. Insulation
2. Conduit	10. Plugs
3. Connectors	11. Receptacles
4. Breaker	12. Safety Switch
5. Grounds	13. Switch
6. Ground Mats	14. Warning Signs
7. Identification	15. Other (Note in Remarks)
8. Inspection Date and Tag	

UNSATISFACTORY CONDITION	
1. Broken	5. Does Not Meet Plant Specifications
2. Cracked	7. Not Provided
3. Damaged	8. Ungrounded
4. Deteriorated	9. Unguarded
5. Identification	

EMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1301	CHEMICAL PRODUCTION AND HANDLING	03	61	06	2	2	7-14
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
aterials Handling	—	
se of Tools	—	
se and Maintenance of achines & Equipment	—	
se of Ionizing adiation Sources	—	

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Use of Safe Attire	//	
Use of Personnel Protective Devices	—	
Work Habits	—	

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel o Enclosure, when Unsafe Because of Temperatur Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

EMARKS:

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05 - Electrical
06 - Work Practices

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1301	CHEMICAL PRODUCTION AND HANDLING	03	61	09	90	90	7-14-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Acetone Tank	—		Freon Tank	—	
Air Receivers	11		HF Tank	—	
Boilers	—		UF_6 Containers	—	
Compressed Gas Cylinders	71/85		Water Storage Heaters	1	
Fluorine Tank	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other (Note in Remarks)
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other (Note in Remarks)	7. Incorrect	14. Not Shielded	

REMARKS:

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09 - Pressure Vessels & Gas Cylinders

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1301	CHEMICAL PRODUCTION AND HANDLING	03	61	10	4	4	7-14-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-6

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDIT
Automatic Arc Cutting Unit	—		Oxygen-Arc Cutting Unit	—	
Automatic Arc Welding Unit	—		Paper Cutter	—	
Bench or Pedestal Grinder	—		Planer (metal)	—	
Blower	—		Planer (wood)	—	
Boring Mill	—		Power Press	—	
Centrifuge	—		Press Brake	—	
Compressor	4		Pulverizer	—	
Crusher	—		Pump	4	
Diesels (stationary)	—		Saw (band - metal)	—	
Drill Press	—		Saw (band - wood)	—	
Fans	—		Saw (circular - metal)	—	
Forming Rolls	—		Saw (circular - wood)	—	
Gear Cutter	—		Saw (jig)	—	
Grinding Machine	—		Saw (power - rip)	—	
Hobber	—		Saw (radial)	—	
Jointer	—		Saw (swing)	—	
Lath ngine)	—		Screw Machine	—	
Lat. rret)	—		Shaper (metal)	—	
Lathe (woodworking)	—		Shaper (wood)	—	
Manual Arc Cutting Unit	—		Shears	—	
Manual Arc Welding Unit	—		Slicer	—	
Mixer	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type.
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
0. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

-40-

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SAFETY AUDIT REPORT
JCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

JW Page 1 of ____

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1301	NITROGEN PLANT	03	61	01	12	11	5-2-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto. Sprinkler System	—		Fire Extinguishers	IIII	
Emergency Exits	—		Protective Equip. Supply	1	1(11-7)*
Emergency Station	—		P. A. System	—	
Evacuation Alarm	—		Safety Showers	IIII	
Eye Baths	1		Standpipes	—	
Fire Alarm Boxes	1		Other (Note in Remarks)	—	
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:
* ONLY 1 ARMY ASSAULT MASK IN BUILDING - NO EMERGENCY STATION CLOSE BY

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1301	NITROGEN PLANT	03	61	02	12	12	5-2-61
BM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	IIII		Radiating Surfaces	—	
Illumination	IIII		Traffic Control	—	
Material Containment	—		Ventilation	IIII	
Radiation	—		Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Area
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

-41- 117-185 6-6

AUDITED BY (SIGNATURE) W. E. Muldrew

REVIEWED BY (SIGNATURE) [illegible]

01 - Fixed Protection
02 - Environmental Control

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
X1301	NITROGEN PLANT	03	61	03	19	19	5-2-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASO
Catwalks	—		Ladder (stationery)	—	
Exit	~~IIII~~ II		Platforms	I	
Floors	IIII		Scaffolds	—	
Furniture	~~IIII~~		Stairs	II	
Ladder (portable)	—		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
0. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
1. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
X1301	NITROGEN PLANT	03	61	04	8	8	5-2-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION
Fluorine	~~IIII~~ I		Steam (Bldg Ht - Below 15 psig)	—	
Hydrofluoric Acid	—		Steam (Low Pressure - 15-250 psig)	—	
Natural Gas	—		Steam (High Pressure - above 250 psig)	—	
Pyrofax	—		Other (Note in Remarks)	II *	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS: *COMPRESSED AIR

AUDITED BY (SIGNATURE)	REVIEWED WITH (SIGNATURE)

03 - Work Surfaces
04 - Piping & Containers

AFETY AUDIT REPORT

CN-2021 (1 9-60)

ELECTRICAL

JILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1301	NITROGEN PLANT	03	61	05	25	25	5-2-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
ow . .age Equipment Below 480 Volts)		
orded Equipment	IIII	
tilization Equipment	IIII IIII IIII	
igh Voltage Equipment Above 480 Volts)		
isconnects		
otating Equipment		
ther (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
5. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

EMARKS:

WORK PRACTICES

JILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1301	NITROGEN PLANT	03	61	06	6	6	5-2-61
M 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
aterials Handling	—		Use of Safe Attire	II	
Use of Tools	—		Use of Personnel Protective Devices	—	
Use and Maintenance of achines & Equipment	IIII		Work Habits	—	
Use of Ionizing adiation Sources	—				

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Con
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
0. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

EMARKS:

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REVIEWED WITH (SIGNATURE)

05 - Electrical
06 - Work Practices

SAFETY AUDIT REPORT

JCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
				07			
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered		
Hand		
Hydraulic		
Pneumatic Powered		
Powder Actuated		

UNSATISFACTORY TOOL		
1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other *(Note in Remark*
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION			
1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other *(Note in Remarks)*
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1301	NITROGEN PLANT	03	61	08	2	2	5-2-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor	—		Power Truck	—	
Chain Hoist	1		Tractor	—	
Electric Hoist	—		Plant Railway	—	
Winch or Tugger	—		Skid	—	
Sling	—		Pallet	—	
Lifting Fixture	—		Bicycle	—	
Dolley	—		Bus	—	
Handtruck	1		Passenger Car	—	
Wheelbarrow	—		Motor Truck	—	
Fork Truck	—		Other *(Note in Remarks)*	—	

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Access Ladders	15. Dog	29. Lights	1. Broken	15. Overloaded
2. Bell	16. Exhaust	30. Limitswitches	2. Construction	16. Protruding Fastenings
3. Brakes	17. Fittings	31. Road Bed	3. Corroded	17. Other *(Note in Remarks)*
4. Bumping Post	18. Forks	32. Rope	4. Cracked	
5. Cable	19. Frame	33. Runners	5. Damaged	
6. Chain	20. Glass	34. Switches	6. Deteriorated	
7. Clearance Markers	21. Grounding Connection	35. Ties	7. Illegible	
8. Controls	22. Guards	36. Track	8. Improperly Adjusted	
9. Couplings	23. Handles	37. Wheels	9. Improperly Located	
10. Crank	24. Handrails	38. Whistle	10. Inadequate	
11. Cr ing Signals	25. Hitches	39. Other *(Note in Remarks)*	11. Inoperative	
12. C g Signs	26. Hooks		12. Kinked	
13. D an Control	27. Horn		13. Maintenance	
14. Deck	28. Interlocks		14. Missing	

REMARKS:

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07 - Power Tools
08 - Materials Handling

AFETY AUDIT REPORT

CN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

UILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1301	NITROGEN PLANT	03	61	09	35	35	5-2-62
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

NT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
cetone Tank	—		Freon Tank	//	
ir Receivers	—		HF Tank	—	
oilers	—		UF_6 Containers	—	
ompressed Gas Cylinders	1111 1111 1111 1111		Water Storage Heaters	/	
luorine Tank	—		Other (Note in Remarks)	1111 1111 //	

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other (Note in Remarks)
. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
. Grounding or Bonding	14. Other (Note in Remarks)	7. Incorrect	14. Not Shielded	

REMARKS:

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REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1301	NITROGEN PLANT	03	61	10	4	4	5-2-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITI
Automatic Arc Cutting Unit	—		Oxygen-Arc Cutting Unit	—	
Automatic Arc Welding Unit	—		Paper Cutter	—	
Bench or Pedestal Grinder	—		Planer (metal)	—	
Blower	—		Planer (wood)	—	
Boring Mill	—		Power Press	—	
Centrifuge	—		Press Brake	—	
Compressor	11		Pulverizer	—	
Crusher	—		Pump	11	
Diesels (stationary)	—		Saw (band - metal)	—	
Drill Press	—		Saw (band - wood)	—	
Fans	—		Saw (circular - metal)	—	
Forming Rolls	—		Saw (circular - wood)	—	
Gear Cutter	—		Saw (jig)	—	
Grinding Machine	—		Saw (power - rip)	—	
Hobber	—		Saw (radial)	—	
Jointer	—		Saw (swing)	—	
Lath (engine)	—		Screw Machine	—	
Lathe (turret)	—		Shaper (metal)	—	
Lathe (woodworking)	—		Shaper (wood)	—	
Manual Arc Cutting Unit	—		Shears	—	
Manual Arc Welding Unit	—		Slicer	—	
Mixer	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
0. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

AFETY AUDIT REPORT
CN-2021 (1 6-60)

2 hrs.

FIXED PROTECTION
(Personnel - Fire)

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1301	FLUORINE AREA	03	61	01	7	0	5-23-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
uto. Sprinkler System	—		Fire Extinguishers	III	
mergency Exits	—		Protective Equip. Supply	1	
mergency Station	—		P. A. System	—	
vacuation Alarm	—		Safety Showers	II	
ye Baths	—		Standpipes	—	
ire Alarm Boxes	1	1(7-8;2)(A)	Other (Note in Remarks)	—	
ire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
. Container	10. Piping	1. Contents Not Labelled	9. Leaking
. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
. Entire Unit	12. Rack	3. Deteriorated	11. Missing
. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
. Nozzle	17. Other	8. Inoperative	
. Operating Instructions			

EMARKS:
#216-3 West End of Building

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1301	FLUORINE AREA	03	61	02	10	9	5-28-
BM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
ousekeeping	IIII	1(4-2)A	Radiating Surfaces	—	
llumination	III		Traffic Control	—	
aterial Containment	III		Ventilation	III	
Radiation	—		Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Area
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS: (A) Upstairs Fan Room Could Stand Being Cleaned. - Broken Light Bulbs, Paper, Miscellaneous Junk

-47- 55 53 0-0

AUDITED BY (SIGNATURE) W. E. Muldrew

REVIEWED WITH (SIGNATURE) A. Archer

01 - Fixed Protection
02 - Environmental Control

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1301	FLUORINE AREA	03	61	03	8	8	5-23-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Catwalks	—		Ladder (stationery)	—	
Exit	III		Platforms	—	
Floors	III		Scaffolds	—	
Furniture	—		Stairs	1	
Ladder (portable)	—		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
0. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
1. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1301	FLUORINE AREA	03	61	04	5	5	5-23-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine	IIII		Steam (Bldg Ht - Below 15 psig)	1	
Hydrofluoric Acid	—		Steam (Low Pressure - 15 - 250 psig)	—	
Natural Gas	—		Steam (High Pressure - above 250 psig)	—	
Pyrofax	—		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE)	REVIEWED WITH (SIGNATURE)

03 - Work Surfaces
04 - Piping & Containers

AFETY AUDIT REPORT

CN-2021 (1 9-60)

ELECTRICAL

JILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1301	FLUORINE STORAGE	03	61	05	25	25	5-23-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

NSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
ow ... ..ge Equipment Below 480 Volts)		
orded Equipment	DH LW	
tilization Equipment	DH DH AW H	
igh Voltage Equipment Above 480 Volts)		
isconnects	—	
otating Equipment	—	
ther (Note in Remarks)	—	

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
5. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

EMARKS:

WORK PRACTICES

JILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
M 1-5	6-45	46-49	50-51	06 52-53	54-57	58-61	62-67

RACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
aterials Handling	—		Use of Safe Attire	—	
se of Tools	—		Use of Personnel Protective Devices	—	
se and Maintenance of achines & Equipment	—		Work Habits	—	
se of Ionizing adiation Sources	—				

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
0. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel o Enclosure, when Unsafe Because of Temperatur Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

EMARKS:

JDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

05 - Electrical
06 - Work Practices

AFETY AUDIT REPORT
CN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

@ Records File JW

UILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1301	NITROGEN PLANT	03	61	01	6	6	4-3-61
3M 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIO
utor. Sprinkler System	—		Fire Extinguishers	11	
mergency Exits	—		Protective Equip. Supply	1	
mergency Station	—		P. A. System	—	
vacuation Alarm	—		Safety Showers	1	
ye Baths	1		Standpipes	—	
ire Alarm Boxes	1		Other (Note in Remarks)	—	
ire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
. Container	10. Piping	1. Contents Not Labelled	9. Leaking
. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
. Entire Unit	12. Rack	3. Deteriorated	11. Missing
. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
Nozzle	17. Other	8. Inoperative	
Operating Instructions			

EMARKS:

ENVIRONMENTAL CONTROL

JILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO SATISFACTORY	DATE
1301	NITROGEN PLANT	03	61	02	13	13	4-3-61
M 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
ousekeeping	~~III~~ 1		Radiating Surfaces	—	
lumination	~~III~~ 1		Traffic Control	—	
aterial Containment	—		Ventilation	1	
adiation	—		Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Areas
. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

EMARKS:

AS-AS 5-5

-50-

UDITED BY (SIGNATURE) W. E. Muldrew

REVIEWED WITH (SIGNATURE) A. H. Archer

1 - Fixed Protection
2 - Environmental Control

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1301	NITROGEN PLANT	03	61	03	8	8	4-3-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Catwalks	—		Ladder (stationery)	—	
Exit	1		Platforms	1	
Floors	11		Scaffolds	—	
Furniture	11		Stairs	11	
Ladder (portable)	—		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1301	NITROGEN PLANT	03	61	04	2	2	4-3-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine	1		Steam (Bldg Ht - Below 15 psig)		
Hydrofluoric Acid	—		Steam (Low Pressure - 15 - 250 psig)		
Natural Gas	—		Steam (High Pressure - above 250 psig)		
Pyrofax	—		Other (Note in Remarks)	1	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE) W E Muldrew

REVIEWED WITH (SIGNATURE)

03 - Work Surfaces
04 - Piping & Containers

·AFETY AUDIT REPORT

CN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1301	NITROGEN PLANT	03	61	05	8	5	4-3-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
ow V. ..ge Equipment Below 480 Volts)		
orded Equipment	111	3(8-7)
tilization Equipment	1112	
igh Voltage Equipment Above 480 Volts)		
isconnects	—	
otating Equipment	—	
ther (Note in Remarks)	—	

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
5. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

EMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1301	NITROGEN PLANT	03	61	06	5	5	4-3-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
aterials Handling	1		Use of Safe Attire	1	
se of Tools	—		Use of Personnel Protective Devices	1	
se and Maintenance of achines & Equipment	1		Work Habits	—	
se of Ionizing adiation Sources	—				

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
0. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel o Enclosure, when Unsafe Because of Temperatur Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

EMARKS:

UDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

05 - Electrical
06 - Work Practices

SAFETY AUDIT REPORT

JCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
				07			
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND-CONDITION)
Electric Powered		
Hand		
Hydraulic		
Pneumatic Powered		
Powder Actuated		

UNSATISFACTORY TOOL		
1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION			
1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
C1301	NITROGEN PLANT	03	61	08	1	1	4-3-61
BM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Conveyor	—		Power Truck	—	
Chain Hoist	—		Tractor	—	
Electric Hoist	—		Plant Railway	—	
Winch or Tugger	—		Skid	—	
Sling	—		Pallet	—	
Lifting Fixture	—		Bicycle	—	
Trolley	—		Bus	—	
Handtruck	1		Passenger Car	—	
Wheelbarrow	—		Motor Truck	—	
Fork Truck	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Access Ladders	15. Dog	29. Lights	1. Broken	15. Overloaded
2. Bell	16. Exhaust	30. Limitswitches	2. Construction	16. Protruding Fastenings
3. Brakes	17. Fittings	31. Road Bed	3. Corroded	17. Other (Note in Remarks)
4. Bumping Post	18. Forks	32. Rope	4. Cracked	
5. Cable	19. Frame	33. Runners	5. Damaged	
6. Chain	20. Glass	34. Switches	6. Deteriorated	
7. Clearance Markers	21. Grounding Connection	35. Ties	7. Illegible	
8. Controls	22. Guards	36. Track	8. Improperly Adjusted	
9. Couplings	23. Handles	37. Wheels	9. Improperly Located	
10. Crank	24. Handrails	38. Whistle	10. Inadequate	
11. Cr[illegible]g Signals	25. Hitches	39. Other (Note in Remarks)	11. Inoperative	
12. C[illegible] Signs	26. Hooks		12. Kinked	
13. D[illegible]an Control	27. Horn		13. Maintenance	
14. Deck	28. Interlocks		14. Missing	

REMARKS:

-53-

AUDITED BY (SIGNATURE)	REVIEWED WITH (SIGNATURE)

07 - Power Tools
08 - Materials Handling

AFETY AUDIT REPORT

CN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

UILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1301	NITROGEN PLANT	03	61	09	6	6	4-3-61
BM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

QU IT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITI
Acetone Tank	—		Freon Tank	—	
Air Receivers	—		HF Tank	—	
Boilers	—		UF_6 Containers	—	
Compressed Gas Cylinders	MH		Water Storage Heaters	1	
Fluorine Tank	—		Other *(Note in Remarks)*	—	

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other *(Note in Remarks)*
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other *(Note in Remarks)*	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1301	NITROGEN PLANT	03	61	10	4	4	4-3-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

'E INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Arc Cutting Unit	—		Oxygen-Arc Cutting Unit	—	
Automatic Arc Welding Unit	—		Paper Cutter	—	
Bench or Pedestal Grinder	—		Planer (metal)	—	
Blower	—		Planer (wood)	—	
Boring Mill	—		Power Press	—	
Centrifuge	—		Press Brake	—	
Compressor	11		Pulverizer	—	
Crusher	—		Pump	11	
Diesels (stationary)	—		Saw (band - metal)	—	
Drill Press	—		Saw (band - wood)	—	
Fans	—		Saw (circular - metal)	—	
Forming Rolls	—		Saw (circular - wood)	—	
Gear Cutter	—		Saw (jig)	—	
Grinding Machine	—		Saw (power - rip)	—	
Hobber	—		Saw (radial)	—	
Jointer	—		Saw (swing)	—	
Lat ngine)	—		Screw Machine	—	
urret)	—		Shaper (metal)	—	
Lathe (woodworking)	—		Shaper (wood)	—	
Manual Arc Cutting Unit	—		Shears	—	
Manual Arc Welding Unit	—		Slicer	—	
Mixer	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

-55-

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT
JCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

JW

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1301	NITROGEN PRODUCTION PLANT	03	61	01	6	6	3-10-61
BM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIC
Automatic Sprinkler System	—		Fire Extinguishers	2	
Emergency Exits	—		Protective Equip. Supply	11	
Emergency Station	—		P. A. System	—	
Evacuation Alarm	—		Safety Showers	—	
Eye Baths	1		Standpipes	—	
Fire Alarm Boxes	1		Other (Note in Remarks)		
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
. Container	10. Piping	1. Contents Not Labelled	9. Leaking
. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
. Entire Unit	12. Rack	3. Deteriorated	11. Missing
. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
. Nozzle	17. Other	8. Inoperative	
. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO SATISFACTORY	DATE
1301	NITROGEN PRODUCTION PLANT	03	61	02	8	8	3-10-61
BM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	111		Radiating Surfaces	—	
Illumination	111		Traffic Control	—	
Material Containment	—		Ventilation	11	
Radiation	—		Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Area
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

-56- 40-38 2-2

AUDITED BY (SIGNATURE) W. E. Muldrew

REVIEWED WITH (SIGNATURE) A H Archer

01 - Fixed Protection
02 - Environmental Control

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1301	NITROGEN PRODUCTION PLANT	03	61	03	9	9	3-10-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED		NO. UNSATISFACTORY (PART - REASON)
Catwalks	—		Ladder (stationery)	—	
Exit	II		Platforms	I	
Floors	III		Scaffolds	—	
Furniture	II		Stairs	I	
Ladder (portable)	—		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
0. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
1. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1301	NITROGEN PRODUCTION PLANT	03	61	04	2	2	3-10-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine	I		Steam (Bldg Ht - Below 15 psig)	I	
Hydrofluoric Acid	—		Steam (Low Pressure - 15 - 250 psig)	—	
Natural Gas	—		Steam (High Pressure - above 250 psig)	—	
Pyrofax	—		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

03 - Work Surfaces
04 - Piping & Containers

AFETY AUDIT REPORT

CN-2021 (1 9-60)

ELECTRICAL

ILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1301	NITROGEN PRODUCTION PLANT	03	61	05	6	4	3-10-61
M 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

I NSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
ow Voltage Equipment Below 480 Volts)		
orded Equipment	11	2(8-7) 1(11-5)
tilization Equipment	4	
igh Voltage Equipment bove 480 Volts)		
isconnects	—	
otating Equipment	—	
ther (Note in Remarks)	—	

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
5. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

EMARKS:

WORK PRACTICES

ILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1301	NITROGEN PRODUCTION PLANT	03	61	06	2	2	3-10-6
M 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

RACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
aterials Handling	1		Use of Safe Attire	1	
se of Tools	—		Use of Personnel Protective Devices	—	
se and Maintenance of achines & Equipment	—		Work Habits	—	
se of Ionizing adiation Sources	—				

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel o Enclosure, when Unsafe Because of Temperatur Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

EMARKS:

UDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

05 - Electrical
06 - Work Practices

SAFETY AUDIT REPORT

JCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1301	NITROGEN PRODUCTION PLANT	03	61	09	7	7	3-10-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

NT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Acetone Tank	—		Freon Tank	—	
Air Receivers	/		HF Tank	—	
Boilers	—		UF_6 Containers	—	
Compressed Gas Cylinders	///		Water Storage Heaters	/	
Fluorine Tank	—		Other *(Note in Remarks)*	/	

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other *(Note in Remarks)*
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other *(Note in Remarks)*	7. Incorrect	14. Not Shielded	

REMARKS:

DITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

09 - Pressure Vessels & Gas Cylinders

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1301	NITROGEN PRODUCTION PLANT	03	61	10	2	2	3-10-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

M E INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIO
Automatic Arc Cutting Unit	—		Oxygen-Arc Cutting Unit	—	
Automatic Arc Welding Unit	—		Paper Cutter	—	
Bench or Pedestal Grinder	—		Planer (metal)	—	
Blower	—		Planer (wood)	—	
Boring Mill	—		Power Press	—	
Centrifuge	—		Press Brake	—	
Compressor	11		Pulverizer	—	
Crusher	—		Pump	—	
Diesels (stationary)	—		Saw (band - metal)	—	
Drill Press	—		Saw (band - wood)	—	
Fans	—		Saw (circular - metal)	—	
Forming Rolls	—		Saw (circular - wood)	—	
Gear Cutter	—		Saw (jig)	—	
Grinding Machine	—		Saw (power - rip)	—	
Hobber	—		Saw (radial)	—	
Jointer	—		Saw (swing)	—	
La gine)	—		Screw Machine	—	
Lathe (turret)	—		Shaper (metal)	—	
Lathe (woodworking)	—		Shaper (wood)	—	
Manual Arc Cutting Unit	—		Shears	—	
Manual Arc Welding Unit	—		Slicer	—	
Mixer	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
0. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT 1hr

JCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

WJCW JW
(2) files

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1301	NITROGEN PLANT	03	61	01	9	9	2-14-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto. Sprinkler System	—		Fire Extinguishers	///	
Emergency Exits	—		Protective Equip. Supply		
Emergency Station	—		P. A. System	—	
Evacuation Alarm	—		Safety Showers	///	
Eye Baths	/		Standpipes	—	
Fire Alarm Boxes	//		Other (Note in Remarks)		
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
. Container	10. Piping	1. Contents Not Labelled	9. Leaking
. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
. Entire Unit	12. Rack	3. Deteriorated	11. Missing
. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
. Nozzle	17. Other	8. Inoperative	
. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1301	NITROGEN PLANT	03	61	02	11	11	2-14-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	////		Radiating Surfaces	—	
Illumination	////		Traffic Control	—	
Material Containment	/		Ventilation	//	
Radiation	—		Other (Note in Remarks)	—	

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Area
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

-61-

AUDITED BY (SIGNATURE) WE Muldrew 5-4-61 5-5

REVIEWED WITH (SIGNATURE) T. Schreiber Simoot

01 - Fixed Protection
02 - Environmental Control

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
C1301	NITROGEN PLANT	03	61	03	9	9	2-14-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Catwalks	—		Ladder (stationery)	—	
Exit	III		Platforms	I	
Floors	II		Scaffolds	—	
Furniture	II		Stairs	I	
Ladder (portable)	—		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
C301	NITROGEN PLANT	03	61	04	5	5	2-14-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine	III		Steam (Bldg Ht - Below 15 psig)	—	
Hydrofluoric Acid	—		Steam (Low Pressure - 15 - 250 psig)	—	
Natural Gas	—		Steam (High Pressure - above 250 psig)	—	
Pyrofax	—		Other (Note in Remarks)	II	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE) W. E. Muldrew

REVIEWED WITH (SIGNATURE)

03 - Work Surfaces
04 - Piping & Containers

AFETY AUDIT REPORT

ICN-2021 (1 9-60)

ELECTRICAL

UILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1301	NITROGEN PLANT	03	61	05	8	8	2-14-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

NSPECTED	NO.	NO. UNSATISFACTORY (ITEM - CONDITION)
ow Voltage Equipment (Below 480 Volts)		
orded Equipment	—	
tilization Equipment	IIII III	
igh Voltage Equipment (Above 480 Volts)		
isconnects	—	
otating Equipment	—	
ther (Note in Remarks)	—	

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
5. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

EMARKS:

WORK PRACTICES

..DING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1301	NITROGEN PLANT	03	61	06	5	5	2-14-61
M 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

RACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
aterials Handling	—	
se of Tools	—	
se and Maintenance of achines & Equipment	//	
se of Ionizing adiation Sources	—	

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Use of Safe Attire	//	
Use of Personnel Protective Devices	/	
Work Habits	—	

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

EMARKS:

UDITED BY (SIGNATURE) W. E. Muldrew

REVIEWED WITH (SIGNATURE)

05 - Electrical
06 - Work Practices

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1301	NITROGEN PLANT	03	61	09	12	12	2-14-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDIT
Acetone Tank	—		Freon Tank	—	
Air Receivers	—		HF Tank	—	
Boilers	—		UF_6 Containers	—	
Compressed Gas Cylinders	11		Water Storage Heaters	/	
Fluorine Tank	—		Other (Note in Remarks)	IIII	

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other (Note in Remarks)
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other (Note in Remarks)	7. Incorrect	14. Not Shielded	

REMARKS:

2 CAUSTIC TOWERS

2 COLD CONVERTERS

AUDITED BY (SIGNATURE) W E Muldrew

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1301	NITROGEN PLANT	03	61	10	3	3	2-14-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

E INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Arc Cutting Unit	—		Oxygen-Arc Cutting Unit	—	
Automatic Arc Welding Unit	—		Paper Cutter	—	
Bench or Pedestal Grinder	—		Planer (metal)	—	
Blower	—		Planer (wood)	—	
Boring Mill	—		Power Press	—	
Centrifuge	—		Press Brake	—	
Compressor	11		Pulverizer	—	
Crusher	—		Pump	1	
Diesels (stationary)	—		Saw (band - metal)	—	
Drill Press	—		Saw (band - wood)	—	
Fans	—		Saw (circular - metal)	—	
Forming Rolls	—		Saw (circular - wood)	—	
Gear Cutter	—		Saw (jig)	—	
Grinding Machine	—		Saw (power - rip)	—	
Hobber	—		Saw (radial)	—	
Jointer	—		Saw (swing)	—	
La gine)	—		Screw Machine	—	
he turret)	—		Shaper (metal)	—	
Lathe (woodworking)	—		Shaper (wood)	—	
Manual Arc Cutting Unit	—		Shears	—	
Manual Arc Welding Unit	—		Slicer	—	
Mixer	—		Other *(Note in Remarks)*	—	

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other *(Note in Remarks)*
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other *(Note in Remarks)*	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
0. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

-65-

AUDITED BY (SIGNATURE) W E Muldrew

REVIEWED WITH (SIGNATURE)

10 - Machinery and Equipment

SAFETY AUDIT REPORT 1½ hrs Records file

JCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1301	NITROGEN PLANT	03	61	01	10	8	1-17-61
BM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIC
Automatic Sprinkler System	—		Fire Extinguishers	III	
Emergency Exits	—		Protective Equip. Supply	1	(11-5,14)
Emergency Station	1		P. A. System	—	
Evacuation Alarm	—		Safety Showers	III	
Eye Baths	1		Standpipes	—	
Fire Alarm Boxes	1	(7-3)	Other (Note in Remarks)	1*	
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:
* FACE SHIELD NOT AVAILABLE FOR USE AT CAUSTIC MAKEUP & SCRUBBING TOWERS
(1) #2169

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO SATISFACTORY	DATE
K1301	NITROGEN PLANT	03	61	02	11	11	1-17-61
BM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	III		Radiating Surfaces	—	
Illumination	III		Traffic Control	—	
Material Containment	—		Ventilation	III	
Radiation	—		Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Area
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

AUDITED BY (SIGNATURE) WE Muldrew

REVIEWED WITH (SIGNATURE) [illegible] 59-56 2-2

01 - Fixed Protection
02 - Environmental Control

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1301	NITROGEN PLANT	03	61	03	11	10	1-17-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Catwalks	—		Ladder (stationery)	—	
Exit	///		Platforms	—	
Floors	///		Scaffolds	—	
Furniture	///		Stairs	/	
Ladder (portable)	/	(3-1)	Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1301	NITROGEN PLANT	03	61	04	2	2	1-17-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine	//		Steam (Bldg Ht - Below 15 psig)	—	
Hydrofluoric Acid	—		Steam (Low Pressure - 15-250 psig)	—	
Natural Gas	—		Steam (High Pressure - above 250 psig)	—	
Pyrofax	—		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

-67-

AUDITED BY (SIGNATURE) W.E. Muldrew

REVIEWED WITH (SIGNATURE) [illegible]

03 - Work Surfaces
04 - Piping & Containers

AFETY AUDIT REPORT

CN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
:1301	NITROGEN PLANT	03	61	05	13	13	1-17-61
M 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
ow ... age Equipment (Below 480 Volts)	IIII IIII	
orded Equipment	—	
tilization Equipment	IIII	
igh Voltage Equipment (above 480 Volts)	—	
isconnects	—	
otating Equipment	—	
ther (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
5. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

EMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1301	NITROGEN PLANT	08	61	06	2	2	1-17-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
terials Handling	—	
se of Tools	—	
e and Maintenance of chines & Equipment	—	
e of Ionizing diation Sources	—	

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Use of Safe Attire	II	
Use of Personnel Protective Devices	—	
Work Habits	—	

UNSAFE ACT OBSERVED

. Suspended Load Carried Over Employees
. Failed to Use Crane Hand Signals
. Failed to Use Warning Device
. Regularly Used Limit Switch to Stop Motion
. Materials Stored, Mixed, or Combined to Create a Hazard
. Flammables Handled in Unapproved Safety Can
. Incorrect Tool Used
. Unsafe Tool Used
. Tool Used Improperly
. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

EMARKS:

DITED BY (SIGNATURE) W E Muldrew

REVIEWED WITH (SIGNATURE) [illegible]

05 - Electrical
06 - Work Practices

AFETY AUDIT REPORT
ICN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1301	NITROGEN TANK	03	61	09	9	9	1-17-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Acetone Tank	—		Freon Tank	—	
Air Receivers	—		HF Tank	—	
Boilers	—		UF_6 Containers	—	
Compressed Gas Cylinders	111		Water Storage Heaters	1	
Fluorine Tank	44		Other (Note in Remarks)	—	

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other (Note in Remarks)
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other (Note in Remarks)	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE) W E Muldrew

REVIEWED WITH (SIGNATURE) [illegible]

09 - Pressure Vessels & Gas Cylinders

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1301	NITROGEN PLANT	03	61	10	03	03	1-17-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-6

M E INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIO
Automatic Arc Cutting Unit	—		Oxygen-Arc Cutting Unit	—	
Automatic Arc Welding Unit	—		Paper Cutter	—	
Bench or Pedestal Grinder	—		Planer (metal)	—	
Blower	—		Planer (wood)	—	
Boring Mill	—		Power Press	—	
Centrifuge	—		Press Brake	—	
Compressor	11		Pulverizer	—	
Crusher	—		Pump	1	
Diesels (stationary)	—		Saw (band - metal)	—	
Drill Press	—		Saw (band - wood)	—	
Fans	—		Saw (circular - metal)	—	
Forming Rolls	—		Saw (circular - wood)	—	
Gear Cutter	—		Saw (jig)	—	
Grinding Machine	—		Saw (power - rip)	—	
Hobber	—		Saw (radial)	—	
Jointer	—		Saw (swing)	—	
Lat gine)	—		Screw Machine	—	
Lathe turret)	—		Shaper (metal)	—	
Lathe (woodworking)	—		Shaper (wood)	—	
Manual Arc Cutting Unit	—		Shears	—	
Manual Arc Welding Unit	—		Slicer	—	
Mixer	—		Other (Note in Remarks)		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

-70-

AUDITED BY (SIGNATURE) W E Muldrew

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT 3hrs

UCN-2021 (4 9-60)

FIXED PROTECTION
(Personnel - Fire)

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1302	Fluorine Storage Area	03	61	01	5	5	7-14-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Sprinkler System	—		Fire Extinguishers	11	
Emergency Exits	—		Protective Equip. Supply	11	
Emergency Station	—		P. A. System	—	
Evacuation Alarm	—		Safety Showers	1	
Eye Baths	—		Standpipes	—	
Fire Alarm Boxes	—		Other (Note in Remarks)	—	
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1302	Fluorine Storage Area	03	61	02	16	16	7-14-61
BM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	~~IIII~~ 1		Radiating Surfaces	—	
Illumination	~~IIII~~		Traffic Control	—	
Material Containment	—		Ventilation	~~IIII~~	
Radiation	—		Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Area
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

82.82 2-1

AUDITED BY (SIGNATURE) Willis E. Muldrew

REVIEWED WITH (SIGNATURE) T. P. Fleming

01 - Fixed Protection
02 - Environmental Control

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1302	Fluorine Storage Area	03	61	03	25	25	7-14-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASO
Catwalks	~~IIII~~		Ladder (stationery)	~~IIII~~	
Exit	~~IIII~~ ~~IIII~~		Platforms	—	
Floors	~~IIII~~		Scaffolds	—	
Furniture	—		Stairs	—	
Ladder (portable)	—		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1302	Fluorine Storage Area	03	61	04	5	5	7-14-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine	~~IIII~~		Steam (Bldg Ht - Below 15 psig)	—	
Hydrofluoric Acid	—		Steam (Low Pressure - 15-250 psig)	—	
Natural Gas	—		Steam (High Pressure - above 250 psig)	—	
Pyrofax	—		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE)	REVIEWED WITH (SIGNATURE)

03 - Work Surfaces
04 - Piping & Containers

ELECTRICAL

JILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
				05			
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ISPECTED	NO.	NO. UNSATISFACTORY (ITEM - CONDITION)
ow Voltage Equipment Below 480 Volts)		
orded Equipment		
tilization Equipment		
igh Voltage Equipment Above 480 Volts)		
isconnects		
otating Equipment		
ther (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
5. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

EMARKS:

WORK PRACTICES

ILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1307	FLUORINE STORAGE AREA	03	61	06	2	1	7-14-61
M 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

RACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
aterials Handling	—	
se of Tools	—	
se and Maintenance of achines & Equipment	—	
se of Ionizing adiation Sources	—	

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Use of Safe Attire	1	
Use of Personnel Protective Devices	1	(25)
Work Habits		

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
0. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

EMARKS:

UDITED BY (SIGNATURE)	REVIEWED WITH (SIGNATURE)

05 - Electrical
06 - Work Practices

SAFETY AUDIT REPORT

JCN-2021 (1-9-66)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
21302	Fluorine Storage Area	03	61	09	29	29	7-14-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDIT
Acetone Tank	—		Freon Tank	—	
Air Receivers	—		HF Tank	—	
Boilers	—		UF_6 Containers	—	
Compressed Gas Cylinders	22		Water Storage Heaters	—	
Fluorine Tank	~~1~~ 11		Other (Note in Remarks)	—	

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other (Note in Remarks)
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other (Note in Remarks)	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

09 - Pressure Vessels & Gas Cylinders

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1302	FLUORINE STORAGE AREA	03	61	10	2	2	7-14-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

E INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Arc Cutting Unit	—		Oxygen-Arc Cutting Unit	—	
Automatic Arc Welding Unit	—		Paper Cutter	—	
Bench or Pedestal Grinder	—		Planer (metal)	—	
Blower	11		Planer (wood)	—	
Boring Mill	—		Power Press	—	
Centrifuge	—		Press Brake	—	
Compressor	—		Pulverizer	—	
Crusher	—		Pump	—	
Diesels (stationary)	—		Saw (band - metal)	—	
Drill Press	—		Saw (band - wood)	—	
Fans	—		Saw (circular - metal)	—	
Forming Rolls	—		Saw (circular - wood)	—	
Gear Cutter	—		Saw (jig)	—	
Grinding Machine	—		Saw (power - rip)	—	
Hobber	—		Saw (radial)	—	
Jointer	—		Saw (swing)	—	
La gine)	—		Screw Machine	—	
le urret)	—		Shaper (metal)	—	
Lathe (woodworking)	—		Shaper (wood)	—	
Manual Arc Cutting Unit	—		Shears	—	
Manual Arc Welding Unit	—		Slicer	—	
Mixer	—		Other *(Note in Remarks)*	—	

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other *(Note in Remarks)*
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other *(Note in Remarks)*	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
0. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

AFETY AUDIT REPORT
ICN-2021 (1 9-60)

1.5 hrs.

FIXED PROTECTION
(Personnel - Fire)

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1302	FLUORINE STORAGE	03	61	01	6	6	5-23-61
BM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIC
utomatic Sprinkler System	—		Fire Extinguishers	///	
mergency Exits	—		Protective Equip. Supply	—	
mergency Station	1		P. A. System	—	
vacuation Alarm	—		Safety Showers	H	
ye Baths	—		Standpipes	—	
ire Alarm Boxes	—		Other (Note in Remarks)		
ire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
. Container	10. Piping	1. Contents Not Labelled	9. Leaking
. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
. Entire Unit	12. Rack	3. Deteriorated	11. Missing
. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
. Nozzle	17. Other	8. Inoperative	
. Operating Instructions			

EMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO SATISFACTORY	DATE
1302	FLUORINE STORAGE	03	61	02	2	2	5-23-6
BM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
ousekeeping	~~IIII~~ 1		Radiating Surfaces	—	
lumination	~~IIII~~		Traffic Control	—	
aterial Containment	~~IIII~~		Ventilation	~~IIII~~	
adiation	—		Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Areas
. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

EMARKS:

-76-

124-124

3-3

AUDITED BY (SIGNATURE) W. E. Muldrew

REVIEWED WITH (SIGNATURE) [illegible]

01 - Fixed Protection
02 - Environmental Control

SAFETY AUDIT REPORT

JCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1302	FLUORINE STORAGE	03	61	03	22	22	5-23-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Catwalks	—		Ladder (stationery)	IIII	
Exit	IIII IIII		Platforms	III	
Floors	IIII I		Scaffolds	—	
Furniture	—		Stairs	—	
Ladder (portable)	—		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1302	FLUORINE STORAGE	03	61	04	5	5	5-23-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine	IIII		Steam (Bldg Ht - Below 15 psig)	—	
Hydrofluoric Acid	—		Steam (Low Pressure - 15-250 psig)	—	
Natural Gas	—		Steam (High Pressure - above 250 psig)	—	
Pyrofax	—		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

-77-

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

03 - Work Surfaces
04 - Piping & Containers

AFETY AUDIT REPORT

CN-2021 (1 9-60)

ELECTRICAL

JILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
4302	FLUORINE STORAGE	03	61	05	5	5	5-23-61
M 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

I ISPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
ow Voltage Equipment Below 480 Volts)	/	/ / / / / / / / /
orded Equipment	—	
tilization Equipment	OHL	
igh Voltage Equipment Above 480 Volts)	/	/ / / / / / / / /
isconnects	—	
otating Equipment	—	
ther (Note in Remarks)	—	

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
5. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

EMARKS:

WORK PRACTICES

JILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1302	FLUORINE STORAGE	03	61	06	3	3	5-23-61
M 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
aterials Handling	—		Use of Safe Attire	/	
se of Tools	/		Use of Personnel Protective Devices	/	
se and Maintenance of achines & Equipment	—		Work Habits	—	
se of Ionizing adiation Sources	—			—	

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
0. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

EMARKS:

UDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

05 - Electrical
06 - Work Practices

SAFETY AUDIT REPORT
JCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1302	FLUORINE STORAGE	03	61	09	65	65	5-23-6
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Acetone Tank	—		Freon Tank	—	
Air Receivers	—		HF Tank	—	
Boilers	—		UF_6 Containers	—	
Compressed Gas Cylinders	60		Water Storage Heaters	—	
Fluorine Tank	MH		Other *(Note in Remarks)*		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other *(Note in Remarks)*
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other *(Note in Remarks)*	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

09 - Pressure Vessels & Gas Cylinders

WEM ~~(1) W.E.A.~~
(2) Files

ALPHA CONTAMINATION AUDIT REPORT (5018)

Location K-1401 Contaminated Assembly Lunch Area - Rebuilding Date 4-27-61

Supervisor in Charge W. L. Odell Total Work Area 200 ft²

Operations in Progress None

Protective Measures in Force

SUMMARY:

ALPHA CONTAMINATION		This Survey	Last Survey
	Index	0.0	0.0
	Area Factor (Total)	0.0	0.0
	Area Factor (Wipe)	0.0	0.0

SPECIFIC LOCATION	Area (ft²) and Class of Contamination: Surface		Wipe		Maximum Reading (c/m): Surface	Wipe
Lunch Tables - Tops					<100	<100
Seats					<100	<100
Floor -					<100	<100

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr) Hands	Shoes Personal	Shoes Issue	Clothing Personal	Clothing Issue	Gloves	Rem Ref. No.

MEMO **AVOID ORAL INSTRUCTIONS**

Bldg. 86
Survey

Date July 26 1961

To A. F. Becker

K-1405

The last time that any pulverizing was done in K 1405 was approximately 4 weeks ago when 180 lb of finely divided material was needed as starter material in an experimental fluidbed reactor. The pulverizer has not been used since for pulverizing uranium and it is not anticipated that it will be used in the immediate future.

When it is used the material is hand fed and there is some dusting at the exhaust. Operating personnel are instructed to wear respiratory equipment

L. J. Knighton by
W E Mulkey

UCN-486
(1235 3-59)

Signed W E Mulkey

SAFETY AUDIT REPORT

JCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
401	Convention Assembly	03	81	01	15	13	4-26-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Sprinkler System	///		Fire Extinguishers	////	
Emergency Exits	//	1 (7-6)	Protective Equip. Supply	—	
Emergency Station	/	*1 (3-14 & 12)	P. A. System	—	
Evacuation Alarm	—		Safety Showers	/	
Eye Baths	—		Standpipes	//	
Fire Alarm Boxes	/		Other (Note in Remarks)		
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS: * Masks need changing

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
401	Convention Assembly	03	81	02	14	13	4-26-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	////	1 (6-8)	Radiating Surfaces	—	
Illumination	///		Traffic Control	//	
Material Containment	////		Ventilation	/	
Radiation	—		Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Area
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS: Housekeeping looks good outside of areas where smith are reworking roll stands.

-85 164-122 15-16

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01 - Fixed Protection

AFETY AUDIT REPORT

CN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
401	Conveyor Assembly	03	81	03	16	15	4-26-6
BM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED		NO. UNSATISFACTORY (PART - REASON)
Catwalks	—		Ladder (stationery)	III	
Exit	II		Platforms	II	*1 (2-9)
Floors	III		Scaffolds	—	
Furniture	III		Stairs	—	
Ladder (portable)	III		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS: * Platforms at Roll Stands without hand rails -

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
401	Conveyor Assembly	03	81	04	0	0	4-26-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine	—		Steam (Bldg Ht - Below 15 psig)		
Hydrofluoric Acid	—		Steam (Low Pressure - 15 - 250 psig)		
Natural Gas	—		Steam (High Pressure - above 250 psig)		
Pyrofax	—		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

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AFETY AUDIT REPORT

CN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
401	Converter Assembly	03	81	05	40	6	4-26-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)	—	
Grounded Equipment	~~HH~~ ~~HH~~	2(9-3)
Utilization Equipment	~~HH~~ ~~HH~~ ~~HH~~ ~~HH~~ ~~HH~~ ~~HH~~	2(11-5) 2(8-6)
High Voltage Equipment (Above 480 Volts)	—	
Disconnects	—	
Rotating Equipment	—	
Other (Note in Remarks)	—	

ITEMS UNSATISFACTORY	
1. Boxes	9. Insulation
2. Conduit	10. Plugs
3. Connectors	11. Receptacles
4. Breaker	12. Safety Switch
5. Grounds	13. Switch
6. Ground Mats	14. Warning Signs
7. Identification	15. Other (Note in Remarks)
8. Inspection Date and Tag	

UNSATISFACTORY CONDITION	
1. Broken	6. Does Not Meet Plant Specifications
2. Cracked	7. Not Provided
3. Damaged	8. Ungrounded
4. Deteriorated	9. Unguarded
5. Identification	

REMARKS: All had electrical alterations are completed - An effort will be made to have all switches, receptacles, etc - properly identified

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
401	Converter Assembly	03	81	06	15	15	4-26-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	—		Use of Safe Attire	///	
Use of Tools	///		Use of Personnel Protective Devices	///	
Use and Maintenance of Machines & Equipment	///		Work Habits	///	
Use of Ionizing Radiation Sources	—				

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

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SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Concrete Assembly	03	81	07	38	38	4-26-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE OF TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered	~~IIII~~ ~~IIII~~ I	
Hand	~~IIII~~ ~~IIII~~ ~~IIII~~ ~~IIII~~ ~~IIII~~ II	
Hydraulic	—	
Pneumatic Powered	—	
Powder Actuated	—	

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other *(Note in Remar*
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other *(Note in Remarks)*
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Concrete Assembly	03	81	08	30	28	4-26-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor	—		Power Truck	—	
Chain Hoist	—		Tractor	—	
Electric Hoist	II		Plant Railway	—	
Winch or Tugger	—		Skid	III	
Sling	~~IIII~~ ~~IIII~~	1 (5-5)	Pallet	IIII	
Lifting Fixture	~~IIII~~ I	1 (5-5)	Bicycle	—	
Dolley	II		Bus	—	
Handtruck	II		Passenger Car	—	
Wheelbarrow	—		Motor Truck	—	
Fork Truck	+		Other *(Note in Remarks)*		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. C g Signals	25. Hitches	39. Other *(Note in Remarks)*
12. C g Signs	26. Hooks	
13. Dead Man Control	27. Horn	
14. Deck	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other *(Note in Remarks)*
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

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SAFETY AUDIT REPORT

JCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
101	Connector Assembly	33	81	10	11	9	4-26-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Arc Cutting Unit	—		Oxygen-Arc Cutting Unit	—	
Automatic Arc Welding Unit	—		Paper Cutter	—	
Bench or Pedestal Grinder	11		Planer (metal)	—	
Blower	1	**1 (28-10)	Planer (wood)	—	
Boring Mill	—		Power Press	—	
Centrifuge	—		Press Brake	—	
Compressor	—		Pulverizer	—	
Crusher	1		Pump	—	
Diesels (stationary)	—		Saw (band - metal)	—	
Drill Press	11		Saw (band - wood)	—	
Fans	11		Saw (circular - metal)	—	
Forming Rolls	—		Saw (circular - wood)	—	
Gear Cutter	—		Saw (jig)	—	
Grinding Machine	—		Saw (power - rip)	—	
Hobber	—		Saw (radial)	—	
Jointer	—		Saw (swing)	—	
[illegible]gine)	—		Screw Machine	—	
Lathe (turret)	—		Shaper (metal)	—	
Lathe (woodworking)	—		Shaper (wood)	—	
Manual Arc Cutting Unit	—		Shears	—	
Manual Arc Welding Unit	1	*1 (20-14)	Slicer	—	
Mixer			C[illegible]	11	

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS: * Welding machine out of test date - last inspection 1st period '59
** Metal plate for covering leads to motor - is missing causing exposed terminals

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REVIEWED WITH (SIGNATURE)

AFETY AUDIT REPORT

CN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

UILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
401	Converter Assembly	03	81	01	15	14	2-28-6
BM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
uton... Sprinkler System	///		Fire Extinguishers	//////	
mergency Exits	//		Protective Equip. Supply	—	
mergency Station	/	1(2-14)(3-1)	P. A. System	—	
vacuation Alarm	—		Safety Showers	/	
ye Baths	—		Standpipes	/	
ire Alarm Boxes	//		Other (Note in Remarks)		
ire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
. Container	10. Piping	1. Contents Not Labelled	9. Leaking
. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
. Entire Unit	12. Rack	3. Deteriorated	11. Missing
. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
. Nozzle	17. Other	8. Inoperative	
. Operating Instructions			

EMARKS:

ENVIRONMENTAL CONTROL

UILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
401	Converter Assembly	03	81	02	16	15	2-28-6
BM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	////	1(6-8)	Radiating Surfaces	—	
Illumination	////		Traffic Control	//	
Material Containment	//////		Ventilation	/	
Radiation	—		Other (Note in Remarks)	—	

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Area
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

AUDITED BY (SIGNATURE) [illegible]

REVIEWED WITH (SIGNATURE) W. R. [illegible]

01 - Fixed Protection

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SAFETY AUDIT REPORT

JCN-2021 (1 9-60)

WORK SURFACES

BUILDING (1-5)	LOCATION (6-45)	DIVISION CODE (46-49)	LOCATION CODE (50-51)	CLASS CODE (52-53)	NO. INSPECTED (54-57)	NO. SATISFACTORY (58-61)	DATE (62-67)
51	Converter Assembly-	03	81	03	12	11	2-28-6

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Catwalks	—		Ladder (stationery)	/	
Exit	//		Platforms	/	
Floors	///	* 1 (16-14)	Scaffolds	—	
Furniture	///		Stairs	—	
Ladder (portable)	//		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
0. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
1. Hinges		11. Not Well Illuminated	

REMARKS: * Leak on floor-

PIPING AND CONTAINERS

BUILDING (1-5)	LOCATION (6-45)	DIVISION CODE (46-49)	LOCATION CODE (50-51)	CLASS CODE (52-53)	NO. INSPECTED (54-57)	NO. SATISFACTORY (58-61)	DATE (62-67)
1401	Converter Assembly	03	81	04	2	2	2-28-6

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine	—		Steam (Bldg Ht - Below 15 psig)	//	
Hydrofluoric Acid	—		Steam (Low Pressure - 15-250 psig)	—	
Natural Gas	—		Steam (High Pressure - above 250 psig)	—	
Pyrofax	—		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE) J. B. Bomar

REVIEWED WITH (SIGNATURE) W. L. Allen

FETY AUDIT REPORT

N-2021 (1 9-60)

ELECTRICAL

.DING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
401	Converter Assembly	03	81	05	35	31	2-28-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

INSPECTED	NO.	NO. UNSATISFACTORY (ITEM - CONDITION)
v . ..ge Equipment low 480 Volts)	—	
·ded Equipment	~~HH~~ ~~HH~~ III	
lization Equipment	~~HH~~ ~~HH~~ ~~HH~~ ~~HH~~ II	— 2(11-5) 2(4-5)
gh Voltage Equipment bove 480 Volts)	—	
sconnects	—	
tating Equipment	—	
ner (Note in Remarks)	—	

ITEMS UNSATISFACTORY	
1. Boxes	9. Insulation
2. Conduit	10. Plugs
3. Connectors	11. Receptacles
4. Breaker	12. Safety Switch
5. Grounds	13. Switch
6. Ground Mats	14. Warning Signs
7. Identification	15. Other (Note in Remarks)
8. Inspection Date and Tag	

UNSATISFACTORY CONDITION	
1. Broken	5. Does Not Meet Plant Specifications
2. Cracked	7. Not Provided
3. Damaged	8. Ungrounded
4. Deteriorated	9. Unguarded
5. Identification	

:MARKS:

WORK PRACTICES

ILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
401	Converter Assembly-	03	81	06	19	17	
M 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

RACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
aterials Handling	~~HH~~	
se of Tools	—	
se and Maintenance of achines & Equipment	III	
se of Ionizing adiation Sources	—	

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Use of Safe Attire	~~HH~~	
Use of Personnel Protective Devices	III	* 1 (25)
Work Habits	III	** 1 (31)

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees	11. Machine Left Running Unattended	21. Work Permit Issued to Allow Entrance to Vessel o Enclosure, when Unsafe Because of Temperatur Gases or Electric Hazards
2. Failed to Use Crane Hand Signals	12. Operating With Safety Device Removed	22. Entrance Made (Under Unsafe Act No. 21)
3. Failed to Use Warning Device	13. Incorrect Safety Device Used	23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
4. Regularly Used Limit Switch to Stop Motion	14. Operating With Safety Device Improperly Adjusted	24. Film Badge Not Worn
5. Materials Stored, Mixed, or Combined to Create a Hazard	15. Respiratory Protection Not Worn	25. Eye Protection Not Worn — 31 other
6. Flammables Handled in Unapproved Safety Can	16. Improper Respiratory Protection Worn	26. Improper Eye Protection
7. Incorrect Tool Used	17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling	27. Hard Hats Not Worn
8. Unsafe Tool Used	18. Working on Equipment Not Secured Against Unexpected Operation	28. Gloves Not Worn
9. Tool Used Improperly	19. Passenger Permitted to Ride in Unsafe Manner	29. Smoking in Posted Areas
10. Machine Operated at Unsafe Speed	20. Operable Radiation Survey Meter Not at Job Site	30. Eating in Posted Areas

REMARKS: * Operator using cutting machine with out ~~safety~~ eye protection
* " using scrap box as platform to replenish spring supply for

AUDITED BY (SIGNATURE) J. B. Bonner

REVIEWED WITH (SIGNATURE) W. L. Oliver

AFETY AUDIT REPORT

CN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
401	Converter Assembly	03	81	07	22	22	2-28-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

Y OL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
lectric Powered	HH HH	
land	HH HH II	
lydraulic	—	
neumatic Powered	—	
owder Actuated	—	

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remark
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
401	Converter Assembly -	03	81	08	17	16	2-28-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION
Conveyor	—		Power Truck	—	
Chain Hoist	—		Tractor	—	
Electric Hoist	/		Plant Railway	—	
Winch or Tugger	—		Skid	HH	
Sling	////	1 (5-5)	Pallet	//	
Lifting Fixture	//		Bicycle	—	
Dolley	/		Bus	—	
Handtruck	/		Passenger Car	—	
Wheelbarrow			Motor Truck	—	
Fork Truck	/		Other (Note in Remarks)	—	

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Cr ng Signals	25. Hitches	39. Other (Note in Remarks)
12. C g Signs	26. Hooks	
1 an Control	27. Horn	
eck	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE) J B Bonner

REVIEWED WITH (SIGNATURE) W L Oberw

07 - Power Tools

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
401	Conductor Assembly	03	81	10	6	4	8-28-[illegible]
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

M E INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION
Automatic Arc Cutting Unit	—		Oxygen-Arc Cutting Unit	—	
Automatic Arc Welding Unit	—		Paper Cutter	—	
Bench or Pedestal Grinder	1	1(26-5)	Planer (metal)	—	
Blower	—		Planer (wood)	—	
Boring Mill	—		Power Press	—	
Centrifuge	—		Press Brake	—	
Compressor	—		Pulverizer	—	
Crusher	—		Pump	—	
Diesels (stationary)	—		Saw (band - metal)	—	
Drill Press	—		Saw (band - wood)	—	
Fans	1		Saw (circular - metal)	—	
Forming Rolls	—		Saw (circular - wood)	—	
Gear Cutter	—		Saw (jig)	—	
Grinding Machine	—		Saw (power - rip)	—	
Hobber	—		Saw (radial)	—	
Jointer	—		Saw (swing)	—	
Lat[illegible]gine)	—		Screw Machine	—	
Lath[illegible]urret)	—		Shaper (metal)	—	
Lathe (woodworking)	—		Shaper (wood)	—	
Manual Arc Cutting Unit			Shears	—	
Manual Arc Welding Unit	1	*1(20-14)	Slice[illegible]	—	
Mixer			Ot[illegible]	///	

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other *(Note in Remarks)*
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other *(Note in Remarks)*	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS: * Welding Machine out of current inspection

AUDITED BY (SIGNATURE) [illegible]

REVIEWED WITH (SIGNATURE) [illegible]

AFETY AUDIT REPORT

CN-2071 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

BUILDING (1-5)	LOCATION (6-45)	DIVISION CODE (46-49)	LOCATION CODE (50-51)	CLASS CODE (52-53)	NO. INSPECTED (54-57)	NO. SATISFACTORY (58-61)	DATE (62-67)
1401	Converter Assembly	03	81	01	12	10	1-26-61

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
utomatic Sprinkler System	//		Fire Extinguishers	////	
mergency Exits	/	1(2-6)	Protective Equip. Supply	—	
mergency Station	/	*1(3-1)	P. A. System	—	
vacuation Alarm	—		Safety Showers	/	
ye Baths	—		Standpipes	//	
ire Alarm Boxes	/		Other (Note in Remarks)		
ire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
. Container	10. Piping	1. Contents Not Labelled	9. Leaking
. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
. Entire Unit	12. Rack	3. Deteriorated	11. Missing
. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
. Nozzle	17. Other	8. Inoperative	
. Operating Instructions			

REMARKS: *Consideration might be given for the need of High Voltage gloves in Emergency Station

ENVIRONMENTAL CONTROL

BUILDING (1-5)	LOCATION (6-45)	DIVISION CODE (46-49)	LOCATION CODE (50-51)	CLASS CODE (52-53)	NO. INSPECTED (54-57)	NO. SATISFACTORY (58-61)	DATE (62-67)
1401	Converter Assembly	03	81	02	17	17	1-23-61

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	////		Radiating Surfaces	—	
Illumination	//// /		Traffic Control	/	
Material Containment	//		Ventilation	//	
Radiation	—		Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Area
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

-93-

AUDITED BY (SIGNATURE)	REVIEWED WITH (SIGNATURE)	
[signature]	[signature]	1/26/61

SAFETY AUDIT REPORT

JCN-2521 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
401	Converter Assembly	03	81	03	16	16	1-23-6
1 - 5	6 - 45	46 - 49	50 - 51	52 - 53	54 - 57	58 - 61	62 - 67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Catwalks	—		Ladder (stationery)	11	
Exit	1		Platforms	111	
Floors	11		Scaffolds	—	
Furniture	1111		Stairs	—	
Ladder (portable)	11		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
0. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
1. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
401	Converter Assembly	03	81	04	3	3	1-23-61
1 - 5	6 - 45	46 - 49	50 - 51	52 - 53	54 - 57	58 - 61	62 - 67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine	—		Steam (Bldg Ht - Below 15 psig)	111	
Hydrofluoric Acid	—		Steam (Low Pressure - 15 - 250 psig)	—	
Natural Gas	—		Steam (High Pressure - above 250 psig)	—	
Pyrofax	—		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

J B Bomar — AUDITED BY (SIGNATURE)

W. L. Allen — REVIEWED WITH (SIGNATURE)

1/26/61

AFETY AUDIT REPORT

CN-2021 (1 9-60)

ELECTRICAL

BUILDING (1-5)	LOCATION (6-45)	DIVISION CODE (46-49)	LOCATION CODE (50-51)	CLASS CODE (52-53)	NO. INSPECTED (54-57)	NO. SATISFACTORY (58-61)	DATE (62-67)
61	Converter Assembly	03	81	05	30	27	1-23-61

INSPECTED	NO.	NO. UNSATISFACTORY (ITEM - CONDITION)
ow Voltage Equipment Below 480 Volts)		
Cord Equipment	4HT 4HT	
Utilization Equipment	4HT 4HT 4HT 4HT	3 (11-5)
High Voltage Equipment Above 480 Volts)		
Disconnects	—	
Rotating Equipment	—	
Other (Note in Remarks)	—	

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
5. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING (1-5)	LOCATION (6-45)	DIVISION CODE (46-49)	LOCATION CODE (50-51)	CLASS CODE (52-53)	NO. INSPECTED (54-57)	NO. SATISFACTORY (58-61)	DATE (62-67)
1701	Converter Assembly	03	81	06	11	9	1-26-61

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	///	
Use of Tools	—	
Use and Maintenance of Machines & Equipment	////	** 1 (31)
Use of Ionizing Radiation Sources	—	

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Use of Safe Attire	////	* 1 (28)
Use of Personnel Protective Devices	—	
Work Habits	—	

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel c Enclosure, when Unsafe Because of Temperatur Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas
31 other

REMARKS: * Materials Handling
** Reaching across machine to switch controls

AUDITED BY (SIGNATURE) J. B. Bonnar

-95-

REVIEWED WITH (SIGNATURE) W. A. Allen 1/26/61

AFETY AUDIT REPORT

ICN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
401	Converter Assembly	03	81	07	8	8	1-23-6
BM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TY OL INSPECTED	NO.	NO. UNSATISFACTORY (KIND-CONDITION)
Electric Powered	////	
Hand	////	
Hydraulic	—	
Pneumatic Powered	—	
Powder Actuated	—	

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remar
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
401	Converter Assembly	03	81	08	19	16	1-26-6
BM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION
Conveyor	—		Power Truck	—	
Chain Hoist	—		Tractor	—	
Electric Hoist	/		Plant Railway	—	
Winch or Tugger	—		Skid	///	1(33-1)
Sling	//// -	2(5-1)	Pallet	///	
Lifting Fixture	//		Bicycle	—	
Dolley	///		Bus	—	
Handtruck	—		Passenger Car	—	
Wheelbarrow	—		Motor Truck	—	
Fork Truck	—		Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Cr ng Signals	25. Hitches	39. Other (Note in Remarks)
12. C g Signs	26. Hooks	
13. D on Control	27. Horn	
14. Deck	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

-96-

AUDITED BY (SIGNATURE) [signature]

REVIEWED WITH (SIGNATURE) [signature] 1/26/61

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
61	Converter Assembly	03	81	10	5	5	1-26-6
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MA E INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Arc Cutting Unit	—		Oxygen-Arc Cutting Unit	—	
Automatic Arc Welding Unit	—		Paper Cutter	—	
Bench or Pedestal Grinder	1		Planer (metal)	—	
Blower	1		Planer (wood)	—	
Boring Mill	—		Power Press	—	
Centrifuge	—		Press Brake	—	
Compressor	—		Pulverizer	—	
Crusher	—		Pump	—	
Diesels (stationary)	—		Saw (band - metal)	—	
Drill Press	—		Saw (band - wood)	—	
Fans	1		Saw (circular - metal)	—	
Forming Rolls	—		Saw (circular - wood)	—	
Gear Cutter	—		Saw (jig)	—	
Grinding Machine	—		Saw (power - rip)	—	
Hobber	—		Saw (radial)	—	
Jointer	—		Saw (swing)	—	
h ngine)	—		Screw Machine	—	
Lat rret)	—		Shaper (metal)	—	
Lathe (woodworking)	—		Shaper (wood)	—	
Manual Arc Cutting Unit	—		Shears	—	
Manual Arc Welding Unit	—		Slicer	—	
Mixer	—			11	

UNSATISFACTORY PART

1. Anti Kickbacks	11. Feed Device	21. Limit Stop	
2. Cable (electrode)	12. Grounding	22. Lockout Device	
3. Cable (power)	13. Guard (belt)	23. Safety Device	
4. Chip Screen	14. Guard (gears)	24. Screens	
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	
6. Controls	16. Guard (splash)	26. Tool Rest	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	
8. Cylinder Securing	18. Guard (wheel)	28. Other *(Note in Remarks)*	
9. Dust Collector	19. Hose		
10. Flanges	20. Inspection Date and Tag		

UNSATISFACTORY CONDITION

1. Broken	11. Rough
2. Damaged	12. Sharp Edged
3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Other *(Note in Remarks)*
5. Improperly Adjusted	
6. Improperly Located	
7. Inadequate	
8. Inoperative	
9. Maintenance	
10. Missing	

REMARKS:

-97-

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

1/26/61

MEMO TO FILE

SUBJECT: K-1410

December 15, 1961	-	All equipment from K-1131 decontaminated except for vertical fluorinator (Gizmo).
December 28, 1961	-	Soak tank drained and cleaned - samples taken.
January 9, 1962	-	Vertical fluorinator wrapped with polyethylene plastic and tagged for disposal at X-10.
January 15, 1962	-	Gizmo and three drums of material from Gizmo removed from K-1410 to X-10 burial grounds. All operations in K-1410 completed.
January 17, 1962	-	Water turned off - Steam left on until sprinkler system converted to dry system. No decontamination anticipated.

W.E.MULDREW:mh

1/29/62

M E M O R A N D U M

TO: Files

SUBJECT: Job Survey - Disposal of Vertical Fluorinator

On December 15, 1961, the head of the Chemical Operations Department requested health physics coverage of the cleanout and decontamination of a vertical fluorinator in K-1410. This equipment had formerly been used in K-1131 and had been used to process Hanford reactor waste and normal uranium feed materials. Due to improved technology, the fluorinator had been removed from operation several years previously. It was estimated to contain 3000 pounds of material.

A beta-gamma survey of the equipment found radiation levels from 25 mr/hr gamma on the shell surface at the top to 200 mr/hr at the stuffing box for the rotary tray drive shaft on the bottom of the shell and at a discharge nozzle on the bottom of the shell. Levels dropped to below 7.5 mr/hr at a distance of approximately 3 feet from the high points on the bottom of the shell.

Film rings and pocket dosimeters were provided to one operator and one surveyor from the Safety and Health Physics Department. Samples of solids were taken from a nozzle in the upper shell head and from the discharge nozzle in the bottom. These were taken to the Technical Division Counting and Quantitative Laboratory on December 15, 1961, with a request for a check on total beta count, and quantitative radiochemical determinations of Pu^{239}, Sr^{90}, Cs^{137} and uranium.

An operator wearing a dust respirator and furnished with a film ring and pocket dosimeter placed a drum under the discharge nozzle, enclosed the drum and nozzle with plastic to prevent dust spread, and proceeded to remove about 200 pounds of solids by pounding on the discharge nozzle with a hammer. No spot air samples were taken during this operation; however, a continuous air monitor operating nearby showed no unusual activity. Pocket dosimeter readings at the end of the day were negligible and were not recorded. Film rings developed after completion of the job were negative.

On December 18, 1961, a steam hose was placed in the discharge nozzle of the fluorinator and live steam was circulated through the vessel. A 55-gallon drum was placed below the discharge nozzle to catch the condensate. On December 19, 1961, a check was made with the laboratory for results and it was determined that their equipment was inoperative, and no work had been done. Therefore, on December 19, 1961, a sample of solids from the first drum was obtained and taken to Y-12 for a quick qualitative check on their gamma scanner. Unfortunately, their equipment was inoperative, and it was not until December 22, 1961, that Y-12 indicated that the sample contained significant gamma activity due to Cs^{137}. It was also recognized that other fission products with their associated health problems were likely to be present so that steaming was immediately stopped. All flanged openings were sealed, and covers were placed on the drums of material removed. The drums were isolated to prevent their being inadvertently processed in recovery equipment and fed to the plant process stream. The continuous air monitor

at this location showed no unusual air activity during the steaming period and a survey of the floor indicated no unusual surface activity.

No further work was done until the laboratory radiochemical analysis results were available.

Partial results were obtained from the laboratory on December 29, 1961; however, it was not until January 9, 1962, that all results were obtained. These were as follows:

Sample	Pu^{239}/U	Sr^{90} µµg/g sample	Cs^{137} µµg/g sample	gU/g Sample	Total β d/m/g	Sr^{90} β d/m/g
#1 Top	0.4 ppm	1,468	700	0.534	1,500,778	462,700
#2 Bottom	47 ppm	7,319	1000	0.0086	5,999,242	2,307,000

These results were as expected from fission product waste after a decay period of approximately five years.

Realizing that ORGDP was not equipped to recover this material and because of the health problems which would be involved in decontamination, it was decided that the equipment and material should be disposed of at the ORNL contaminated burial ground. On January 9, 1962, the fluorinator was prepared for burial by wrapping with two layers of polyethylene sheeting and loaded on a low-boy for transporting to ORNL. The equipment was surveyed, and the appropriate labels attached. On January 15, 1962, the equipment was transported to ORNL. The fluorinator was handled by ORNL personnel while the three drums were taken to a disposal pond and dumped. The disposal was satisfactory and without incident.

W. E. Muldrew

W. E. Muldrew for
Safety and Health Physics Dept.

WEM:la

1/19/62

ALPHA CONTAMINATION AUDIT REPORT

Location K-1410 SOAK TANK ROOM (5002) Date 9-25-61

Supervisor in Charge J. DYKSTRA Total Work Area 1000 ft²

Operations in Progress DECONTAMINATION OF K1131 EQUIPMENT

Protective Measures in Force WASH ROOM FACILITIES, RESPIRATOR, GLOVES

SUMMARY:

ALPHA CONTAMINATION		This Survey	Last Survey
	Index	* 2×91.6	
	Area Factor (Total)	183.2	154
	Area Factor (Wipe)	91.0	77
		—	—

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
FLOOR AREA	916	I	—	—	2000	—

	Range Surface	(c/m) Wipe	Weighting Factor	Total ft²			
Class 0	*	—	0				
Class I	500-2000	100-500	1		916		BT ✓
Class II	2000-10,000	500-2000	5				
Class III	>10,000	>2000	20				<PAL
			Grand Total (ft²)		916		

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

* No WIPES TAKEN

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WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS:

Inspector W E Muldoon Op. Supervisor R. B. Coffey Date 9/25/61

BETA-GAMMA RADIATION AUDIT REPORT

Location K1410 SOAK TANK ROOM (5002) Date 9-25-61

Supervisor in Charge J. DUESTER Total Work Area 1000 ft²

Operations in Progress DECONTAMINATION K1131 EQUIPMENT

Protective Measures in Force GAMMA ALARM - WASH ROOM FACILITIES - RESPIRATORS

SUMMARY

RADIATION		This Survey	Last Survey
	β+γ Index	25.7	13.9
	β+γ Area Factor	9.0	11
	γ Area Factor		—

SPECIFIC LOCATION	7.5 mrep/hr Distance (ft)	Area (ft²) and Class of Radiation β+γ		γ		Reading (mrep/hr) Maximum β+γ	Maximum γ	1 ft. β+γ	1 ft. γ
FLOOR PAN, SOAK TANK, MISC. EQUIP		63	I	4	I	37.5	9	—	3.5
		37	II	—		160	—	50	—

	Range mrep/hr	Weighting Factor		β+γ	γ
Class I	7.5 - 37.5	1	Total ft²	63	4
Class II	37.5 - 300	5		37	
Class III	300 - 3000	40			
ass IV	> 3000	400			
		Grand Total (ft²)		90	4

Maximum Reading β+γ 1' 50 MR

WCX-2067 (10-53) K-25 SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS:

Inspector W. E. Muldrew Op. Supervisor R. B. Coffey Date

ALPHA CONTAMINATION AUDIT REPORT

cation K1410 OFFICE & FACILITIES (5011) Date 9-25-61

Supervisor in Charge J. DYKSTRA Total Work Area 700 ft^2

Operations in Progress NONE

Protective Measures in Force NONE

SUMMARY:

ALPHA CONTAMINATION		This Survey	Last Survey
	*2 X 15 Index	30	2.6
	Area Factor (Total)	15	1.3
	Area Factor (Wipe)	—	—

SPECIFIC LOCATION	Area (ft^2) and Class of Contamination: Surface		Wipe		Maximum Reading (c/m): Surface	Wipe
OFFICE (FLOOR AREA) (120 ft^2)	—		—		—	—
WASH ROOM (FLOOR AREA) (105 ft^2)	105	I	—	—	1000	—
SHOWER ROOM (FLOOR AREA) (105 ft^2)	—		—		—	
LOCKER & LUNCH ROOM FLOOR AREA (370 ft^2)	—		—		—	

	Range Surface	(c/m) Wipe	Weighting Factor				
Class 0	*	—	0	Total ft^2	595		BTL
Class I	500-2000	100-500	1		105		
Class II	2000-10,000	500-2000	5				<PAL
ass III	> 10,000	> 2000	20				
			Grand Total (ft^2)		700		

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

* No Wipes Taken

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WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS:

Inspector W E [illegible] Op. Supervisor P. B. Daffin Date 9/25/67

ALPHA CONTAMINATION AUDIT REPORT

Location K1410 DECONTAMINATION BUILDING (5001) Date 8-11-61

Supervisor in Charge J. DYKSTRA. Total Work Area 7300 ft^2

Operations in Progress CLEANUP

Protective Measures in Force

SUMMARY:

ALPHA CONTAMINATION	This Survey	Last Survey
Index	*25X2	50 / 278
Area Factor (Total)	24	44
Area Factor (Wipe)		78

SPECIFIC LOCATION	Area (ft^2) and Class of Contamination: Surface		Wipe		Maximum Reading (c/m): Surface	Wipe
SAND BLAST ROOM (400)	145	I	—	—	2000	—
	25	II	—	—	4000	—
MAIN ROOM (6300)	4870	0				
FLOOR PAN AND BENCHES	1430	I	—	—	1500	—
OLD LUNCH AREA (600)	462	0	—	—	—	—
	138	I	—	—	1500	—

	Range Surface	(c/m) Wipe	Weighting Factor	Total ft^2
Class 0	*	—	0	
Class I	500-2000	100-500	1	1713
Class II	2000-10,000	500-2000	5	25
Class III	> 10,000	> 2000	20	
			Grand Total (ft^2)	

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

* NO WIPES TAKEN

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
NONE TAKEN								
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
NONE TAKEN						
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS:

EXCELLENT CLEANUP JOB PERFORMED IN AREA
REDUCED CI

Inspector W E Muldrew Op. Supervisor R. E. Shelton Date 8-11-61

BETA-GAMMA RADIATION AUDIT REPORT (5001)

ocation K 1410 DECONTAMINATION BUILDING Date 8-11-61

upervisor in Charge J. DYKSTRA Total Work Area 7300 ft²

Operations in Progress NONE IN PROGRESS

Protective Measures in Force

SUMMARY

RADIATION		This Survey	Last Survey
	β+γ Index	5.6	23
	β+γ Area Factor	2.0	11
	γ Area Factor	1.5	6.3

SPECIFIC LOCATION	7.5 mrep/hr Distance (ft)	Area (ft²) and Class of Radiation β+γ		γ		Reading (mrep/hr) Maximum β+γ	Maximum γ	1 ft. β+γ	1 ft. γ
MAIN ROOM									
CYCLONE SEPARATOR	12'	96	I	96	I	37.5	37.5	—	—
		12	II	12	II	200	200	—	—
CYCLONE SEPARATOR	3'	24	I	12	I	37.5	30	—	—
		12	II	—	—	50	—	—	—

	Range mrep/hr	Weighting Factor			
Class I	7.5 - 37.5	1	Total ft²	120	108
Class II	37.5 - 300	5		24	12
Class III	300 - 3000	40		—	—
ass IV	> 3000	400		—	—
		Grand Total (ft²)		144	120

Maximum Reading β+γ contact. 200

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
NONE TAKEN								
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
NONE TAKEN						
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS:

Area cleaned since previous survey

Inspector W.E. Muldrow Op. Supervisor R.E. Shelton Date 8-11-61

ALPHA CONTAMINATION AUDIT REPORT

:ation R1410 SOAK TANK ROOM (500²) Date 8-11-61

-upervisor in Charge J. DYKSTRA Total Work Area 1000 ft²

Operations in Progress

No WORK IN PROGRESS

Protective Measures in Force

SUMMARY:

		This Survey	* Last Survey
ALPHA CONTAMINATION	Index 2 * 77	154	977X2 1954
	Area Factor (Total)	77	
	Area Factor (Wipe)		

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
FLOOR AREA.	770	I	—	—	2000	—

	Range Surface	(c/m) Wipe	Weighting Factor		
Class 0	*	—	0	Total ft²	
Class I	500-2000	100-500	1		770
Class II	2000-10,000	500-2000	5		
ss III	> 10,000	> 2000	20		
			Grand Total (ft²)		

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

* No WIPES TAKEN

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rer Ret. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
NONE TAKEN								
SUMMARY: No. > P.A.L.								
No. Checked								
% Total Checks > P.A.L.								

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
NONE TAKEN						
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS:

EXCELLENT CLEANUP JOB REDUCED CI

Inspector W. E. Muldrew Op. Supervisor R. E. Shelton Date 8-11-61

BETA-GAMMA RADIATION AUDIT REPORT

Location K 1410 SOAK TANK ROOM (502) Date 8-11-61

Supervisor in Charge J. DYKSTRA Total Work Area 1000 ft^2

Operations in Progress NONE IN PROGRESS

Protective Measures in Force

SUMMARY

RADIATION		This Survey	Last Survey
	$\beta+\gamma$ Index	13.9	60.5
	$\beta+\gamma$ Area Factor	1.1	43.7
	γ Area Factor	—	1

SPECIFIC LOCATION	7.5 mrep/hr Distance (ft)	Area (ft^2) and Class of Radiation $\beta+\gamma$		γ		Reading (mrep/hr) Maximum $\beta+\gamma$	Maximum γ	1 ft. $\beta+\gamma$	1 ft. γ
FLOOR PAN, SOAK TANK, MISC.		108	I	—	—	37.5	—		
		5	II	—	—	120	—	30	—
		1	II	1	I	200	2	50	—

	Range mrep/hr	Weighting Factor		$\beta+\gamma$	γ
Class I	7.5 - 37.5	1	Total ft^2	108	1
Class II	37.5 - 300	5		6	—
Class III	300 - 3000	40			
ass IV	> 3000	400			
		Grand Total (ft^2)		114	1

Maximum Reading $\beta+\gamma$ CONTACT 200 mr

WCX-2067 (10-53) K-25 SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
NONE TAKEN								
SUMMARY: No. > P.A.L.								
No. Checked								
% Total Checks > P.A.L.								

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
NONE TAKEN						

SUMMARY: Air Samples		No. Taken		For Samples > P.A.L.	Total		Total
		No. > P.A.L.			%		Average
		% > P.A.L.					

REMARKS:

Inspector W E Muldrew Op. Supervisor R. E. Shelton Date 8-11-61

ALPHA CONTAMINATION AUDIT REPORT (5010)

:ation K1410 OFFICES AND FACILITIES Date

~upervisor in Charge J. DYKSTRA Total Work Area 700 ft^2

Operations in Progress

NONE IN PROGRESS

Protective Measures in Force

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	* 1.3 X 2	2.6 * 185 X 2 370
	Area Factor (Total)	1.3	82
	Area Factor (Wipe)		

SPECIFIC LOCATION	Area (ft^2) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
OFFICE (120)	—		—		—	
WASH ROOM (210)						
FLOOR	9	I	—		700	
LOCKER ROOM (370)	—		—		—	

	Range Surface	(c/m) Wipe	Weighting Factor			
Class 0	*	–	0	Total ft^2		
Class I	500-2000	100-500	1		9	
Class II	2000-10,000	500-2000	5			
ss III	> 10,000	> 2000	20			
			Grand Total (ft^2)		9	

β+γ < PAL

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Re Re. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
NONE	TAKEN							
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
NONE	TAKEN					
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS:

EXCELLENT CLEANUP JOB REDUCED C.I

Inspector W E Muldrew Op. Supervisor R. E. Shelton Date 8-11-61

ALPHA CONTAMINATION AUDIT REPORT

:ation K1410 SOAK TANK ROOM (5002) Date 7-18-61

Supervisor in Charge J. DYKSTRA Total Work Area 1000 ft^2

Operations in Progress

NO WORK IN PROGRESS

Protective Measures in Force

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index * 99992 →	1954	1055
	Area Factor (Total)	98	100
	Area Factor (Wipe)	—	100

SPECIFIC LOCATION	Area (ft^2) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
FLOOR AREA	350	I	—		2000	—
	84	II	—		10,000	—
	450	III	—		710,000	—

	Range Surface	(c/m) Wipe	Weighting Factor					
Class 0	*	—	0	Total ft^2				
Class I	500-2000	100-500	1		350			
Class II	2000-10,000	500-2000	5		84			
ss III	> 10,000	> 2000	20		450			
			Grand Total (ft^2)		984			

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

* INDEX BASED ON SURFACE MEASUREMENTS ONLY

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rer Re No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
NO WORK IN PROGRESS								
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS:

Inspector W. E. Muldrew Op. Supervisor R. B. Caffey Date 7-18-61

BETA-GAMMA RADIATION AUDIT REPORT

ocation K1410 SOAK TANK ROOM (5002) Date 7-18-61

pervisor in Charge J. DYKSTRA Total Work Area 1000 ft^2

Operations in Progress NONE IN PROGRESS

Protective Measures in Force

SUMMARY

RADIATION		This Survey	Last Survey
	$\beta+\gamma$ Index	60.5	107.9
	$\beta+\gamma$ Area Factor	43.7	24.3
	γ Area Factor	1	0.0

SPECIFIC LOCATION	7.5 mrep/hr Distance (ft)	Area (ft^2) and Class of Radiation $\beta+\gamma$		γ		Reading (mrep/hr) Maximum $\beta+\gamma$	Maximum γ	1 ft. $\beta+\gamma$	1 ft. γ
FLOOR PAN, SOAK TANK, MISC.		400	I	—	—	37.5	37.5		
		37	II	4	II	250	180	180	180

	Range mrep/hr	Weighting Factor		$\beta+\gamma$	γ
Class I	7.5 - 37.5	1	Total ft^2	400	—
Class II	37.5 - 300	5		37	4
Class III	300 - 3000	40			
lass IV	> 3000	400			
			Grand Total (ft^2)	437	4

Maximum Reading $\beta+\gamma$ 250 mr Surface

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WCX-2067 (10-53) K-25 SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
NO WORK IN PROGRESS								
SUMMARY: No. > P.A.L.								
No. Checked								
% Total Checks > P.A.L.								

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS:

Inspector W. E. Muldrew Op. Supervisor R. B. Cipling Date 7-18-61

ALPHA CONTAMINATION AUDIT REPORT

:ation K1410 OFFICES AND FACILITIES (5011) Date 7-18-61

-upervisor in Charge J. DYKSTRA Total Work Area 700 ft²

Operations in Progress NO WORK IN PROGRESS

Protective Measures in Force

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index * 185 X 2	370	211
	Area Factor (Total)	82	54
	Area Factor (Wipe)		94

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
OFFICE 120	50	I				
FLOOR						
WASH ROOM (210)						
FLOOR	144	I				
	36	II				
LOCKER ROOM (370)						
FLOOR	198	I				
	144	II				

	Range Surface	(c/m) Wipe	Weighting Factor	Total ft²		
Class 0	*	–	0			
Class I	500-2000	100-500	1		392	
Class II	2000-10,000	500-2000	5		180	
ss III	> 10,000	> 2000	20		—	
			Grand Total (ft²)		572	

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

* INDEX BASED ON SURFACE MEASUREMENTS ONLY.

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rer Re No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
No WORK IN PROGRESS								
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS:

Inspector W. E. Muldoon Op. Supervisor R. B. Caffey Date 7-18-61

Final Survey

ALPHA CONTAMINATION AUDIT REPORT

cation K-1410 Decontamination Building Date 5-22-61

Supervisor in Charge Lt. Dykstra Total Work Area 8000 ft²

Operations in Progress None

Protective Measures in Force

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index		
	Area Factor (Total)		
	Area-Factor (Wipe)		

SPECIFIC LOCATION	Area (ft²) and Class of Contamination: Surface		Wipe		Maximum Reading (c/m): Surface	Wipe
Survey made after cleaning was done.						
			Surface Reading on Bottom of Steel Surfaces			
Surface Readings on Top of Steel-Surfaces-	4500	c/m.			<100	c/m
	3500	"			300	"
	4000	"			<100	"
	7500	"			<100	"
	8500	"			<100	"
	10,000	"			400	"
	6000	"			<100	"
	6000	"			<100	"
	8500	"			500	"
Average	6167	"			59	"
	Wipe on the Above Readings		Wipe on the Below Readings-			
	1800				<100	
	1700				<100	
	5000				<100	
	3500				<100	
	4000				<100	
Average 2283	1700		Average <100		<100	
No Gamma Readings Above Back Ground - on Surfaces						
Beta " " " " " "						1.5 mr/hr
						0.5 mr/hr

	Range (c/m) Surface	Wipe	Weighting Factor	
Class 0	*	–	0	Total ft²
Class I	500-2000	100-500	1	
Class II	2000-10,000	500-2000	5	
ass III	>10,000	>2000	20	
			Grand Total (ft²)	

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS: _____

Inspector _____ Op. Supervisor _____ Date _____

ALPHA CONTAMINATION AUDIT REPORT (5001)

Location K-1410 Decontamination Building Date 4-4-61.

Supervisor in Charge J. Dykstra. Total Work Area 7300 ft²

Operations in Progress No Operation In Progress.

Protective Measures in Force Radiation Alarm & Instruments.

SUMMARY:

ALPHA CONTAMINATION		This Survey	Last Survey
	Index	265.	240.
	Area Factor (Total)	57.	33.
	Area Factor (Wipe)	71.	74.

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
5th Lunch Area (6005)						
Floor & Table.	370	I	330	I	2000	500
" "	230	II	270	II	4500	900
Main Room. (6300)						
Floor, Pan & Benches.	3128	I	3315	I	2000	500
" " "	322	II	994	II	6000	2000
" " "	—	—	142	III	—	3000
Sand Blast Room. (400)						
Floor.	116	I	140	I	1600	300

	Range Surface	(c/m) Wipe	Weighting Factor	Total ft²		
Class 0	*	–	0			
Class I	500-2000	100-500	1		3614	3788
Class II	2000-10,000	500-2000	5		552	1264
ass III	> 10,000	> 2000	20		0	142
			Grand Total (ft²)		4166	5194

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr) Hands	Shoes Personal	Shoes Issue	Clothing Personal	Clothing Issue	Gloves	Rem Ref. No.
		<100		3000		3500	—	
				3.5 Mr/hr.				
		200		1200		1500		
SUMMARY: 0 No. > P.A.L.		0		0		0		
6 No. Checked		2		3		2		
— % Total Checks > P.A.L.								

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
Sand Blast Room						
Center	303	1 10	10	180	0/0	0.0
Main Room						~~0.26~~
West End	304	1 23	10	160	0/0	0.26
East End	305	1 34	10	180	0/0	0.07

SUMMARY: Air Samples						
	3	No. Taken	For Samples > P.A.L.	Total		Total .35
	0	No. > P.A.L.		%		Average 0.12
	—	% > P.A.L.				

REMARKS:

Inspector E. E. Tiffe Op. Supervisor A. A. Archer Date

BETA-GAMMA RADIATION AUDIT REPORT (5001)

Location K-1410 Decontamination Building Date 4-4-61.

Supervisor in Charge J. Dykstra. Total Work Area 7300 ft²

Operations in Progress None.

Protective Measures in Force Radiation Instruments.

SUMMARY

RADIATION		This Survey	Last Survey
	β+γ Index	22.1	11.
	β+γ Area Factor	4.8	5.8
	γ Area Factor	0.73	1.2

SPECIFIC LOCATION	7.5 mrep/hr Distance (ft)	Area (ft²) and Class of Radiation β+γ		γ		Reading (mrep/hr) Maximum β+γ	Maximum γ	1 ft. β+γ	1 ft. γ
Main Room.									
Pulverizer Equipment	2	3	II	–	–	75	<PAL	20	–
" "	–	21	I	–	–				
Vertical Fluorinator	1	12	II	12	II	110	110	70	70
" "	–	38	I	38	I	37.5	37.5	70	70
Tower Jet	6	1	II	3	I	5000	14	900	7.5
" "	–	7	III	–	–	3000	–	–	–
" "	–	20	II	–	–	300	–	–	–
" "	–	72	I	–	–	37.5	–	–	–
Misc. Piping	4	5	III	–	–	3000	<PAL	500	–
" "	–	35	II	–	–	300	–	–	–
" "	–	62	I	–	–	37.5	–	–	–
Cyclone Separator	3	21	II	–	–	200	<PAL	50	–
" "	–	36	I	–	–	37.5	–	–	–
Edgewood Arsenal filter	2	16	I	–	–	20	<PAL	20	–

	Range mrep/hr	Weighting Factor		β+γ	γ
Class I	7.5 - 37.5	1	Total ft²	245	41
Class II	37.5 - 300	5		91	12
Class III	300 - 3000	40		12	0
Class IV	> 3000	400		1	0
			Grand Total (ft²)	349	53.

Maximum Reading β+γ 900

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem. Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
None Checked.								
SUMMARY: No. > P.A.L.								X
No. Checked								
% Total Checks > P.A.L.								

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
Recorded on Alpha Survey						
SUMMARY: Air Samples	No. Taken	X	For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS: Increase due to storing tower equipment from K1131.

Inspector E B Eastling Op. Supervisor A M Archer Date

JW

ALPHA CONTAMINATION AUDIT REPORT

:ation K1410 SOAK TANK ROOM (5002) Date 4/21/61

.pervisor in Charge J. DYKSTRA. Total Work Area 1000 ft²

Operations in Progress PUMPING SOLUTION OUT OF SOAK TANK

Protective Measures in Force CAM- FILM BADGE, SHOWERS, RADIATION WARNING ALARM

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	1055	859
	Area Factor (Total)	100	100
	Area Factor (Wipe)	100	100

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
FLOOR	448	I	116	I		
	552	II	698	II		
			187	III		

	Range Surface	(c/m) Wipe	Weighting Factor	Total ft²		
Class 0	*	–	0			
Class I	500-2000	100-500	1		448	116
Class II	2000-10,000	500-2000	5		552	697
ıss III	> 10,000	> 2000	20			187
			Grand Total (ft²)			

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rer Re No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
SUMMARY: No. > P.A.L.								
No. Checked								
% Total Checks > P.A.L.								

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration - (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
NORTH SIDE OF ROOM	HP314	9:05	10	150	0/2	0.26
SOUTH SIDE OF ROOM	HP315	9:17	13	195	0/2	0.18
SUMMARY: Air Samples	1	No. Taken	For Samples > P.A.L.		Total —	Total 0.44
	0	No. > P.A.L.			% —	Average 0.22
	0	% > P.A.L.				

REMARKS:

Inspector W.E. Muldrew Op. Supervisor A.H. Archer Date 4-27-61

Offrd. Jw
C. K. Giles

BETA-GAMMA RADIATION AUDIT REPORT

Location K1410 SOAK TANK ROOM (5002) Date 4-6-61

Supervisor in Charge J. DYKSTRA Total Work Area 1000 ft^2

Operations in Progress CLEANING BARRIER FILTERS

Protective Measures in Force FILM BADGES, RESPIRATORS, RADIATION ALARM, SHOWERS

SUMMARY

RADIATION		This Survey 108	Last Survey 73
	$\beta+\gamma$ Index	107.9	72.8
	$\beta+\gamma$ Area Factor	64.3	71.8
	γ Area Factor	0	0

SPECIFIC LOCATION	7.5 mrep/hr Distance (ft)	Area (ft^2) and Class of Radiation $\beta+\gamma$		γ		Reading (mrep/hr) Maximum $\beta+\gamma$	Maximum γ	1 ft. $\beta+\gamma$	1 ft. γ
SOAK TANK & CLEANING PAN	24'X27'	534	I	—	—	37.5	—	—	—
" " " "		109	II	—	—	200	2	50	—

	Range mrep/hr	Weighting Factor	Total ft^2
Class I	7.5 - 37.5	1	
Class II	37.5 - 300	5	
Class III	300 - 3000	40	
Class IV	> 3000	400	
		Grand Total (ft^2)	

Maximum Reading $\beta+\gamma$ _____

WCX-2067 (10-53) K-25 SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rer Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR-ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha-Activity $C/M/ft^3$
SEE Alpha Survey						
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS:

Inspector W. E. Muldrew Op. Supervisor A. N. Archer Date

~~[illegible]~~ WEM 4-19-61
~~[illegible]~~ File

ALPHA CONTAMINATION AUDIT REPORT (5011)

Location K-1410 Office Facilities Date 4-4-61
Supervisor in Charge J. Dykstra. Total Work Area 700 ft²
Operations in Progress NONE.

Protective Measures in Force Radiation Instruments & Office Facilities

SUMMARY:

ALPHA CONTAMINATION		This Survey	Last Survey
	Index	94.	5.3
	Area Factor (Total)	36.	1.9
	Area Factor (Wipe)	41.	3.4

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Wash Room. (215)						
Floor Area	92	I	104	I	1600	400
Locker Room. (370)						
Floor Around Table & Desk	38	I	61	I	1200	300
Table					<100	<100
Benches					300	<100
Office. (120)						
Floor.	120	I	90	I	1100	500
"	—	—	30	II	—	700

	Range Surface	(c/m) Wipe	Weighting Factor			
Class 0	*	—	0	Total ft²		
Class I	500-2000	100-500	1		250	255
Class II	2000-10,000	500-2000	5		0	30
Class III	>10,000	>2000	20		0	0
			Grand Total (ft²)		250	285

B + 7 < P.A.L.

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
None Present								
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
OFFICE	306	1[illegible]	10	170	0/0	0.02

SUMMARY:	Air Samples				For Samples > P.A.L.	Total		Total 0.02
		1	No. Taken					Average 0.02
		0	No. > P.A.L.			%		
		—	% > P.A.L.					

REMARKS: Increase due to tracking from main area & scaf tank Room.

Inspector E.E. Eastt Op. Supervisor M. Archer Date

ALPHA CONTAMINATION AUDIT REPORT (5001)

Location K-1410 Decontamination Building Date 3-2-61

Supervisor in Charge J. Dykstra. Total Work Area 7300 ft²

Operations in Progress Routine Equipment Handling.

Protective Measures in Force Film Badges, Gloves & Radiation Insts.

SUMMARY:

ALPHA CONTAMINATION		This Survey	Last Survey
	Index	240.	278
	Area Factor (Total)	33.	44
	Area Factor (Wipe)	74.	78

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Old Lunch Area (600)						
Floor & Table	120	I	—	—	2000	—
" "	480	II	600	II	3500	1500
Main Room. (6300)						
Floor, Pan, & Equip. Benches	1245	I	3546	I	2000	500
" " " "	352	II	985	II	7500	1600
Sand Blast Room. (400)						
Floor	210	I	278	I	2000	400
"	30	II	—	—	4500	—

	Range Surface	(c/m) Wipe	Weighting Factor	Total ft²		
Class 0	*	—	0			
Class I	500-2000	100-500	1		1575	3824
Class II	2000-10,000	500-2000	5		842	1585
Class III	> 10,000	> 2000	20		0	0
			Grand Total (ft²)		2417	5409

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr) Hands	Shoes Personal	Shoes Issue	Clothing Personal	Clothing Issue	Gloves	Rer Re. No.
		300		1500		1500		
				B-3.5	Mr/hr			
		1600		1100		1200		
				B-3.0				
SUMMARY: 1 No. > P.A.L.		1		0		0		
6 No. Checked		2		2		2		
17 % Total Checks > P.A.L.								

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
Main Room.						
South Side	200	913	10	130	0/2	0.0
Center	201	924	10	150	0/1	0.09
North Side	202	935	10	140	0/0	0.14

SUMMARY: Air Samples			For Samples > P.A.L.	Total —	Total 0.32
	3	No. Taken			
	0	No. > P.A.L.			
	0	% > P.A.L.		% —	Average 0.11

REMARKS:

Inspector E B Eastridge Op. Supervisor [illegible] Date

BETA-GAMMA RADIATION AUDIT REPORT (5001)

Location K-1410 Decontamination Building Date 3-2-61

Supervisor in Charge J. Dykstra Total Work Area 7300 ft²

Operations in Progress No Operation IN Process.

Protective Measures in Force Radiation Instruments.

SUMMARY

RADIATION		This Survey	Last Survey
	β+γ Index	11.	23
	β+γ Area Factor	5.8	1
	γ Area Factor	1.2	6.3

SPECIFIC LOCATION	7.5 mrep/hr Distance (ft)	Area (ft²) and Class of Radiation β+γ		γ		Reading (mrep/hr) Maximum β+γ	Maximum γ	1 ft. β+γ	1 ft. γ
Main Room.									
Vertical Fluorinator	4	12	II	12	II	110	110	70	70
" "		38	I	38	I	37.5	37.5	—	—
Drums of Material	2	16	I	16	I	30	30	17	17.
Pulverizer Equip.	2	3	II	—	-	75	<PAL	50	—
" "		21	I	—	—	37.5	-	-	—
Cyclone Separator Shell	4.5	13	II	—	-	150	<PAL	80	—
" " "	—	50	I	—	-	37.5	—	-	—
Material in Waste Can	4.5	18	II	-	-	300	<PAL	200	—
" " " "		42	I	—	—	37.5	—	—	—
Tubes IN Equip. Box	2	16	I	—	-	20	<PAL	14	—
Misc. Pipings	4	2	III	—	-	600	"	50	—
" "	—	6	II	—	-	300	—	—	—
" "	—	42	I	—	-	37.5	—	—	—
Ash Receiver	2	3	II	3	II	50	50	15	15
" "		22	I	22	I	37.5	37.5	—	—
Flange on Equip Pallet	2.5	3	II	—	-	300	—	40	—
" " " "	—	17	I	—	-	37.5	—	—	—
Sand Blast Room.									
Filter Racks	5	1	III	—	-	400	<PAL	200	—
" "		16	II	—		300	—	—	—
" "		79	I	—		37.5	—	—	—

	Range mrep/hr	Weighting Factor	Total ft²			Maximum Reading β+γ
Class I	7.5 - 37.5	1		343	76	1'
Class II	37.5 - 300	5		74	15	
Class III	300 - 3000	40		3	0	
Class IV	> 3000	400		0	0	200
		Grand Total (ft²)		420.	91.	

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
None Checked								
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
Recorded on Alpha Survey						

SUMMARY:	Air Samples		No. Taken		For Samples > P.A.L.	Total		Total
			No. > P.A.L.			%		Average
			% > P.A.L.					

REMARKS: Decrease due to cleaning equipment.

Inspector [illegible] Op. Supervisor [illegible] Date

① Foreman JW
② Records File

ALPHA CONTAMINATION AUDIT REPORT

Location K 1410 SOAK TANK ROOM (5002) Date 3-14-61
Supervisor in Charge J. DYKSTRA Total Work Area 1000 ft²
Operations in Progress ROUTINE DECONTAMINATION

Protective Measures in Force FILM BADGE, GLOVES, AIR MONITOR, WASH FACILITIES

SUMMARY:

		This Survey		Last Survey
ALPHA CONTAMINATION	Index	859	1957	1478
	Area Factor (Total)	100		100
	Area Factor (Wipe)	100		100

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
FLOOR	330	I	150	I	2000	500
	670	II	816	II	4500	2000
			34	III	---	>12,500

	Range Surface	(c/m) Wipe	Weighting Factor	Total ft²		
Class 0	*	–	0			
Class I	500-2000	100-500	1		330	150
Class II	2000-10,000	500-2000	5		670	816
Class III	> 10,000	> 2000	20			34
			Grand Total (ft²)			

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rer Re. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
South Side	HP246	8:57	10	120	0/1	1.52
Center	HP247	9:10	10	150	0/1	0.69

SUMMARY:							
Air Samples	2	No. Taken		For Samples > P.A.L.	Total		Total 1.61
	1	No. > P.A.L.			%		Average 0.81
	50	% > P.A.L.					

REMARKS:

Inspector W.E. Muldrew Op. Supervisor T. P. Fleming Date 3/24/61

8W

BETA-GAMMA RADIATION AUDIT REPORT

Location K1410 SOAK TANK ROOM (5002) Date 3-13-61

Supervisor in Charge J. DYKSTRA Total Work Area 1000 ft^2

Operations in Progress ROUTINE DECONTAMINATION

Protective Measures in Force FILM BADGE, RESPIRATORS, RADIATION ALARM

SUMMARY

RADIATION		This Survey 13.	Last Survey
	$\beta+\gamma$ Index	72.8	83
	$\beta+\gamma$ Area Factor	72.0	71.8
	γ Area Factor	0.0	0.0

SPECIFIC LOCATION	7.5 mrep/hr Distance (ft)	Area (ft^2) and Class of Radiation $\beta+\gamma$		γ		Reading (mrep/hr) Maximum $\beta+\gamma$	γ	1 ft. $\beta+\gamma$	γ
SOAK TANK & CLEANING PAN	24'x30'	718	I	—		37.5	—		
" " "		2	II	—		150	—		

	Range mrep/hr	Weighting Factor				
Class I	7.5 - 37.5	1	Total ft^2	718		
Class II	37.5 - 300	5		2		Maximum Reading $\beta+\gamma$ 150
Class III	300 - 3000	40				
lass IV	> 3000	400				
		Grand Total (ft^2)				

WCX-2067 (10-53) K-25 SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
SEE Alpha SURVEY FOR RESULTS						

SUMMARY:	Air Samples		No. Taken		For Samples > P.A.L.	Total		Total
			No. > P.A.L.			%		Average
			% > P.A.L.					

REMARKS:

Inspector W. E. Muldrew Op. Supervisor T.P. Fleming Date 3/24/61

ALPHA CONTAMINATION AUDIT REPORT

:ation K-1410 OFFice Facilities (5011) Date 3-2-61

..upervisor in Charge J. Dykstra. Total Work Area 700 ft^2

Operations in Progress No work in Progress

Protective Measures in Force Wash Facilities.

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	5.3	211.
	Area Factor (Total)	1.9	54.
	Area Factor (Wipe)	3.4	94.

SPECIFIC LOCATION	Area (ft^2) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Locker Room (370)						
Floor At Desk & Table	9	I	20	I	800	200
Table					<100	<100
Benches & Lockers					200	<100
OFFice (120)						
Floor					300	<100
Wash Room.						
Floor. (210)	4	I	4	I	800	200

	Range Surface	(c/m) Wipe	Weighting Factor			
Class 0	*	–	0	Total ft^2		
Class I	500-2000	100-500	1		13	24
Class II	2000-10,000	500-2000	5		0	0
·ss III	> 10,000	> 2000	20		0	0
			Grand Total (ft^2)		13	24

BFT < P.A.L.

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Re- Re. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
None Present								
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
Lunch Room	199	9 01	10	130	0 / 0	0.07

SUMMARY:							
Air Samples	1	No. Taken		For Samples > P.A.L.	Total —		Total 0.07
	0	No. > P.A.L.			% —		Average 0.07
	—	% > P.A.L.					

REMARKS: El-Tronics radiation-inst. in lunch room is out of order.

Decrease due to cleaning lockers & acid cleaning floor.

Inspector E. P. Eastridge Op. Supervisor M. L. Archer Date

General Survey

ALPHA CONTAMINATION AUDIT REPORT

Location: K-1410 Decontaminated Building — Date: 3-21-61

Supervisor in Charge: J. Dyer-Jones — Total Work Area: 2000 ft²

Specialists Engaged:

Respective Responsibility:

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	93	X
	Area Factor (Tape)	5	
	Area Factor (Wipe)	30	

SPECIFIC LOCATION	Area (ft²) and Class of Contamination: Surface		Wipe		Maximum Reading (c/m): Surface	Wipe
Steel Beams - Cross Structure - Driving the Conduit Trench - Top & bottom side of steel	86	I	990	I	2000	500
	942	II	600	II	2000	1500
Average surface readings on top of concrete was 250 c/m. Average wipe readings on top of concrete was - 110 c/m						
Average surface readings on underneath side of roof was 275 c/m. Average wipe readings on underneath side of roof was - 40 c/m						
Readings were fairly consistent throughout the area.						
Beta-Gamma-Readings on steel beams maximum reading of 5 mr/hr beta. " " " 0.03 mr/hr gamma						

Class	Range (c/m) Surface	Range (c/m) Wipe	Weighting Factor	Total ft² Surface	Total ft² Wipe
Class 0	*		*		
Class I	500-2000*	100-300	1	86	990
Class II	2000-10,000	500-2000	5	942	600
Class III	>10,000	>2000	20	0	0
			Grand Total (ft²)	1028	1590

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

ALPHA CONTAMINATION AUDIT REPORT (5001)

Location K-1410 Decontamination Building Date 2-2-61

Supervisor in Charge J. Dykstra Total Work Area 7300 ft²

Operations in Progress No operation in Progress.

Protective Measures in Force

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	278.	277
	Area Factor (Total)	44.	34
	Area Factor (Wipe)	78.	78

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Sand Blast Room. (400)						
Floor Area.	145	I	140	I	2000	300
" "	25	II	—	—	4000	—
Main Room. (6300)						
Floor, Pan & Benches	2145	I	3884	I	2000	500
" " "	286	II	966	II	10000	2000
" " "	17	III	74	III	>12500	5000
Old Lunch Area. (600)						
Floor & Table	50	I	—	—	2000	—
" "	550	II	600	II	4000	1700

	Range Surface	(c/m) Wipe	Weighting Factor	Total ft²		
Class 0	*	–	0			
Class I	500-2000	100-500	1		2340	4024
Class II	2000-10,000	500-2000	5		861	1566
Class III	> 10,000	> 2000	20		17	74
			Grand Total (ft²)		3218	5664

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Re Re No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
None Present								
SUMMARY: No. > P.A.L.								
No. Checked								
% Total Checks > P.A.L.								

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
Main Room.						
West End	96	2:57	10	160	0 / 0	0.0
Center	97	3:08	10	170	0 / 0	0.02
East End	98	3:20	10	170	0 / 0	0.02
SUMMARY: Air Samples	3	No. Taken		For Samples > P.A.L.	Total	Total 0.08
	0	No. > P.A.L.			%	Average 0.03
	—	% > P.A.L.				

REMARKS:

Inspector E B Eastridge Op. Supervisor A H Archer Date 2/16/61

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BETA-GAMMA RADIATION AUDIT REPORT (5001)

Location K-1410 Decontamination Building Date 2-2-61.
Supervisor in Charge J. Dykstra. Total Work Area 7300. ft²
Operations in Progress No operation in progress.

Protective Measures in Force

SUMMARY

RADIATION		This Survey	Last Survey
	β+γ Index	23.	70.
	β+γ Area Factor	11.	12.
	γ Area Factor	6.3	8.5

SPECIFIC LOCATION	7.5 mrep/hr Distance (ft)	Area (ft²) and Class of Radiation β+γ		γ		Reading (mrep/hr) Maximum β+γ	Maximum γ	1 ft. β+γ	1 ft. γ
Sand Blast Room.									
Filter Tube Racks	6.	2	III	—		550	6	300	I
" " "	—	36	II	—		300	—	—	—
" " "	—	142	I	—		37.5	—	—	—
Main Room.									
Pump in Floor Pan	11	3	III	28	II	700	240	250	85
" " " "	—	40	II	50	I	300	37.5	—	—
" " " "	—	147	I	—	—	37.5	—	—	—
Cyclone Separator	10	60	II	60	II	275	275	130	130
" "	—	240	I	240	I	37.5	37.5	—	—
Equip on Pallet	3	1	III	—		500	—	140	—
" " "	—	5	II	—		300	—	—	—
" " "	—	12	I	—		37.5	—	—	—
Filter Tube Rack	2.5	4	II	—		150	—	60	—
" " "		11	I	—		37.5	—	—	—
30 gal Drums	2.5	36	I	36	I	35	35	20	20
Chain Sling on Cart	1.5	7	I	—	—	40	—	10	—
Vertical Fluorinator	4.	12	II	12	II	110	110	70	70
" "		38	I	38	I	37.5	37.5	70	70

	Range mrep/hr	Weighting Factor	Total ft²		
Class I	7.5 - 37.5	1		632	364
Class II	37.5 - 300	5		157	100
Class III	300 - 3000	40		6	0
Class IV	> 3000	400		0	0
		Grand Total (ft²)		796	464

Maximum Reading β+γ 1' 300

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
None Present								
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
Recorded on Alpha Survey.						
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS: Decrease due to Cleaning equipment.

Inspector E B Eatt[illegible] Op. Supervisor [illegible] Date 2/16/61

JW

ALPHA CONTAMINATION AUDIT REPORT

ation K1410 SOAK TANK ROOM (5802) Date 2-9-61

..pervisor in Charge J. DYKSTRA Total Work Area 1000 ft^2

Operations in Progress NO WORK IN PROGRESS

Protective Measures in Force FILM BADGE, GLOVES, AIR MONITOR, WASH FACILITIES

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	1092	1478
	Area Factor (Total)	100	100
	Area Factor (Wipe)	100	100

SPECIFIC LOCATION	Area (ft^2) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
FLOORS AND TANKS	426	I			2000	—
" " "	574	II	825	II	9000	2000
" " "			175	III	—	3000

	Range Surface	(c/m) Wipe	Weighting Factor				
Class 0	*	—	0	Total ft^2			
Class I	500-2000	100-500	1		426		
Class II	2000-10,000	500-2000	5		574	825	
...ss III	> 10,000	> 2000	20			175	
				Grand Total (ft^2)			

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

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WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rer Re. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
NONE								
SUMMARY: No. > P.A.L.								
No. Checked								
% Total Checks > P.A.L.								

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
N.E. CORNER OF ROOM	159	9:30	10	130	0/0	.023
S.E. CORNER OF ROOM	160	9:44	10	130	0/0	.015

SUMMARY:							
Air Samples	2	No. Taken	For Samples > P.A.L.	Total		Total .038
	0	No. > P.A.L.		%		Average 0.02
	0	% > P.A.L.				

REMARKS:

Inspector W. E. Muldrew Op. Supervisor A. W. Archer Date 2-15-61

✓ JW

BETA-GAMMA RADIATION AUDIT REPORT

Location K1410 SOAK TANK ROOM (5002) Date 2-9-61

Supervisor in Charge J. DYKSTRA Total Work Area 1000 ft²

Operations in Progress EQUIPMENT IN SOAK TANK

Protective Measures in Force RESPIRATORS, RADIATION ALARM, RADIATION INSTS

SUMMARY

RADIATION		This Survey	Last Survey
	$\beta+\gamma$ Index	83	60
	$\beta+\gamma$ Area Factor	71.8	37
	γ Area Factor	0	5.3

SPECIFIC LOCATION	7.5 mrep/hr Distance (ft)	Area (ft²) and Class of Radiation $\beta+\gamma$		γ		Reading (mrep/hr) Maximum $\beta+\gamma$	Maximum γ	1 ft. $\beta+\gamma$	1 ft. γ
CLEANING PAN, MISC. EQUIP, SOAK TANK	24'x30'	690	I	—		37.5	—		
" " " "		28	II	—		250	—		

	Range mrep/hr	Weighting Factor	Total ft²			Maximum Reading $\beta+\gamma$
Class I	7.5 - 37.5	1		690		
Class II	37.5 - 300	5		28		250
Class III	300 - 3000	40				
Class IV	> 3000	400				
		Grand Total (ft²)		718		

WCX-2067 (10-53) K-25 SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		

ALPHA CONTAMINATION AUDIT REPORT

:ation K-1410 OFFice Facilities (5011) Date 2-2-61.

Supervisor in Charge J. Dykstra. Total Work Area 700 ft²

Operations in Progress No work IN Progress.

Protective Measures in Force —

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	211.	79.
	Area Factor (Total)	54.	16.
	Area Factor (Wipe)	94.	62.

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
OFFice. (120)						
Floor	51	I	120	I	800	300
Wash Room. (210)						
Floor	143	I	140	I	1600	500
"	—	-	70	II	—	700
Locker Room. (370)						
Floor	185	I	273	I	1200	500
"	—	-	39	II	—	600
Table & Benches	—	-	—	—	300	<100
Top OF Lockers	—	-	18	I	-	200

	Range Surface	(c/m) Wipe	Weighting Factor				3+2 <P.A.L.
Class 0	*	–	0	Total ft²			
Class I	500-2000	100-500	1		379.	551	
Class II	2000-10,000	500-2000	5		0	109	
Class III	> 10,000	> 2000	20		0	0	
			Grand Total (ft²)		379	660.	

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Re Re. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
None Present								
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
Wash Room	95	2:50	5	70	0 / 0	0.04

SUMMARY:							
Air Samples	1	No. Taken		For Samples > P.A.L.	Total		Total 0.04
	0	No. > P.A.L.					Average 0.04
	0	% > P.A.L.			%		

REMARKS: Increase due to treating.

Inspector E B Eastridge Op. Supervisor A L Archer Date 2/16/61

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ALPHA CONTAMINATION AUDIT REPORT (5001)

Location K-1410 Decontamination Building Date 1-10-61.
Supervisor in Charge J. Dykstra. Total Work Area 7300. ft²
Operations in Progress

Protective Measures in Force Radiation Alarm & Radiation Meter

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	277.	129.
	Area Factor (Total)	34.	19.
	Area Factor (Wipe)	78.	20.

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Main Room. (6300)						
Floor, Pan & Benches.	1372	I	4154	I	2000	500
" " "	316	II	670	II	10000	2000
" " "	28	III	134	III	>12500	7000
Old Lunch Area. (600)						
Floor & Table.	40	I	580	II	2000	2000
" "	560	II	20	III	4800	2200
"	—	—				
Sand Blast Room. (400)						
Floor	150	I	125	I	2000	400
"	20	II	—	—	3500	—

	Range Surface	(c/m) Wipe	Weighting Factor	Surface Total ft²	Wipe Total ft²
Class 0	*	—	0		
Class I	500-2000	100-500	1	1562	4279
Class II	2000-10,000	500-2000	5	896	1250
Class III	>10,000	>2000	20	28	154
			Grand Total (ft²)	2486	5683

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr) Hands	Shoes Personal	Shoes Issue	Clothing Personal	Clothing Issue	Gloves	Re-Re-No.
None Present								
SUMMARY: No. > P.A.L.								
No. Checked								
% Total Checks > P.A.L.								

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
Main Room						
West end	58	9:07	10	160	0 / 0	0.0
Center	59	9:18	10	160	0 / 0	0.01
East end	60	9:29	10	160	0 / 0	0.02
SUMMARY: Air Samples	3	No. Taken		For Samples > P.A.L.	Total	Total 0.05
	0	No. > P.A.L.			%	Average 0.02
		% > P.A.L.				

REMARKS: Increase due to powder spills during equipment handling.

Inspector E.R. Eastman Op. Supervisor M Parker Date 2/7/61

BETA-GAMMA RADIATION AUDIT REPORT (5001)

ocation K-1410 Decontamination Building Date 1-10-61.

upervisor in Charge T. Dykstra Total Work Area 7300. ft²

Operations in Progress No Work in Progress.

Protective Measures in Force Radiation Alarm.

SUMMARY

RADIATION		This Survey	Last Survey
	β+γ Index	78.	10
	β+γ Area Factor	12.	1.9
	γ Area Factor	8.5	0.73

SPECIFIC LOCATION	7.5 mrep/hr Distance (ft)	Area (ft²) and Class of Radiation β+γ		γ		Reading (mrep/hr) Maximum β+γ	Maximum γ	1 ft. β+γ	1 ft. γ
Barrier Filters (3)	10	62	II	62	II	210	210	150	150
" "	–	248	I	248	I	37.5	37.5	–	–
Cyclone Separator	12	3	III	3	III	350	350	210	210
" "	–	39	II	39	II	300	300	–	–
" "	–	186	I	186	I	37.5	37.5	–	–
UF6 Pump	2.	3	II	–	–	150		35	
" "	–	6	I	6	I	25	25	10	10
Flange on Storage Bench	11	6	IV	6	II	20R	300	3500	50
" " " "	–	22	III	22	I	3000	37.5	–	–
" " " "	–	70	II	–	–	300	–	–	–
" " " "	–	162	I	–	–	37.5	–	–	–
Open Barrier Filter	4	2	III	–	–	1000	<PAL	250	–
" " "	–	9	II	–	–	300	–	–	–
" " "	–	28	I	–	–	37.5	–	–	–
Vertical Fluorinator	4	12	II	12	II	110	110	70	70
" "	–	38	I	38	I	37.5	37.5	–	–

	Range mrep/hr	Weighting Factor	Total ft²		
Class I	7.5 - 37.5	1	668	500	
Class II	37.5 - 300	5 •	195	119	
Class III	300 - 3000	40	27	3	
Class IV	>3000	400	6	0	
		Grand Total (ft²)	896	622	

Maximum Reading β+γ 3500

1'

WCX-2067 (10-53) K-25 SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem. Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
None Checked								
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
Recorded on Alpha Survey						
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS: Increase due to storing HEI [illegible]

Inspector [illegible] Op. Supervisor [illegible] Date 2-7-61

ALPHA CONTAMINATION AUDIT REPORT

:ation K1410 SOAK TANK ROOM (5002) Date 1-11-61

-pervisor in Charge J. DYKSTRA Total Work Area 1000 ft^2

Operations in Progress ROUTINE EQUIPMENT CLEANING

Protective Measures in Force FILM BADGE, GLOVES, AIR MONITOR WASH FACILITIES

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	1478.	769
	Area Factor (Total)	100.	100
	Area Factor (Wipe)	100	100

SPECIFIC LOCATION	Area (ft^2) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
FLOOR AND TANKS	464	I			2000	—
" "	536	II	557	II	8000	2000
" "			443	III	—	4000

	Range (c/m) Surface	Range (c/m) Wipe	Weighting Factor	Total ft^2		
Class 0	*	–	0			
Class I	500-2000	100-500	1	464		
Class II	2000-10,000	500-2000	5	536	557	
ıss III	> 10,000	> 2000	20		443	
			Grand Total (ft^2)			

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

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WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rer Re. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
NONE TAKEN								
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
SOUTH SIDE	HP-62	9:40	15	105	0/1	0.62
NORTH SIDE	HP-63	10:05	10	120	0/1	0.69
SUMMARY: Air Samples	2 No. Taken		For Samples > P.A.L.		Total —	Total 1.26
	0 No. > P.A.L.					
	0 % > P.A.L.				% —	Average 0.63

REMARKS:

Inspector W.E. Muldrow Op. Supervisor A.S. Archer Date 2-1-61

BETA-GAMMA RADIATION AUDIT REPORT

ocation K1410 SOAK TANK ROOM (5002) Date 1-10-61
upervisor in Charge J. DYKSTRA Total Work Area 1000 ft²
Operations in Progress EQUIPMENT IN SOAK TANK

Protective Measures in Force RESPIRATORS, RADIATION ALARM, RADIATION INSTS.

SUMMARY

RADIATION		This Survey	Last Survey
	β+γ Index	60	16
	β+γ Area Factor	32	8.3
	γ Area Factor	5.3	0.0

SPECIFIC LOCATION	7.5 mrep/hr Distance (ft)	Area (ft²) and Class of Radiation β+γ		γ		Reading (mrep/hr) Maximum β+γ	Maximum γ	1 ft. β+γ	1 ft. γ
Cleaning Pan-Miscellaneous Equip.	PAI-WALL	2	III	25	I	950	20	210	12
" " " "		43	II			300			
" " " "		204	I			37.5			
EDGE OF SOAK TANK	2.5'	7	II			60	15	25	10
		~~[illegible]~~							
		63	I	28	I	37.5	15		

	Range mrep/hr	Weighting Factor		β+γ	γ
Class I	7.5 - 37.5	1	Total ft²	267	53
Class II	37.5 - 300	5		50	—
Class III	300 - 3000	40		2	—
lass IV	> 3000	400		—	—
			Grand Total (ft²)	319	53

Maximum Reading β+γ 210 1'

WCX-2067 (10-53) K-25 SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem. Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
NONE CHECKED								
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
INCLUDED ON Alpha CONTAMINATION AUDIT REPORT						
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS:

INCREASE DUE TO DECONTAMINATION OF CYCLONE FILTERS IN PROGRESS

Inspector W. E. Muldrew Op. Supervisor A. L. Archer Date 2-1-61

ALPHA CONTAMINATION AUDIT REPORT

:ation K-1410 OFFice & Facilities (5011) Date 1-11-61.

Supervisor in Charge J. Dykstra. Total Work Area 700 ft²

Operations in Progress

Protective Measures in Force Radiation Meters.

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	79.	68.
	Area Factor (Total)	17.	18.
	Area Factor (Wipe)	62.	50.

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Locker Room. (370)						
Floor	36	I	176	I	900	300
Table & Benches	—	—	—	—	200	<100
Top of Lockers	—	—	18	I	—	200
Wash Room. (210)						
Floor	60	I	120	I	1500	400
OFFice (120)						
Floor	25	I	120	I	800	300

	Range Surface	(c/m) Wipe	Weighting Factor	Total ft²			3+7 <P.A.L.
Class 0	*	–	0				
Class I	500-2000	100-500	1		121	434	
Class II	2000-10,000	500-2000	5		0	0	
ss III	> 10,000	> 2000	20		0	0	
			Grand Total (ft²)		121.	434	

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rer Re. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
None Present								
SUMMARY: No. > P.A.L.								
No. Checked								
% Total Checks > P.A.L.								

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
Locker Room	61	9:41	5	75	0 / 0	0.01
SUMMARY: Air Samples	1	No. Taken		For Samples > P.A.L.	Total	Total 0.01
	0	No. > P.A.L.			%	Average 0.01
	—	% > P.A.L.				

REMARKS:

Inspector [illegible] Op. Supervisor [illegible] Date 2-7-61

Orig JW
Filed

AFETY AUDIT REPORT
CN-2021 (: 9-60)

FIXED PROTECTION
(Personnel - Fire)

ILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1410	DECONTAMINATION BUILDING	03	61	01	6	6	4-6-61
-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

NSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)
tomatic Sprinkler System	—		Fire Extinguishers	//	
nergency Exits	—		Protective Equip. Supply	/	
nergency Station	/		P. A. System	—	
acuation Alarm	—		Safety Showers	/	
e Baths	—		Standpipes	—	
re Alarm Boxes	/		Other *(Note in Remarks)*	—	
re Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
Container	10. Piping	1. Contents Not Labelled	9. Leaking
Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
Entire Unit	12. Rack	3. Deteriorated	11. Missing
Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
Identification Light	16. Stop Valve	7. Inadequate	15. Other *(Note in Remarks)*
Nozzle	17. Other	8. Inoperative	
Operating Instructions			

EMARKS:

ENVIRONMENTAL CONTROL

ILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO SATISFACTORY	DATE
1410	DECONTAMINATION BUILDING	03	61	02	7	7	4-6-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
ousekeeping	///		Radiating Surfaces	—	
umination	///		Traffic Control	—	
aterial Containment	—		Ventilation	/	
adiation	—		Other *(Note in Remarks)*		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Areas
Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other *(Note in Remarks)*
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

EMARKS:

-166- 3026 4-6

DITED BY (SIGNATURE)	REVIEWED WITH (SIGNATURE)
W. E. Muldrew	A. Archer

- Fixed Protection
- Environmental Control

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1410	DECONTAMINATION BUILDING	03	61	03	8	6	4-6-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED		NO. UNSATISFACTORY (PART - REASON)
Catwalks	/		Ladder (stationery)	/	
Exit	/		Platforms	/	
Floors	/	1 (21-9) (1)	Scaffolds	—	
Furniture	/		Stairs	/	
Ladder (portable)	/	(6-17)	Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
0. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
1. Hinges		11. Not Well Illuminated	

REMARKS: (1) DRAIN COVER IN LARGE ROOM

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1410	DECONTAMINATION BUILDING	03	61	04			
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine	—		Steam (Bldg Ht - Below 15 psig)	—	
Hydrofluoric Acid	—		Steam (Low Pressure - 15-250 psig)	—	
Natural Gas	—		Steam (High Pressure - above 250 psig)	—	
Pyrofax	—		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

03 - Work Surfaces
04 - Piping & Containers

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1410	DECONTAMINATION BUILDING	03	61	05	3	2	4-6-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Corded Equipment	—	
Utilization Equipment	III	1(8)(1)
High Voltage Equipment (Above 480 Volts)		
Disconnects		
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
5. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

(1) UNREADABLE

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1410	DECONTAMINATION BUILDING	03	61	06	4	4	4-6-61
SM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	—		Use of Safe Attire	11	
Use of Tools	—		Use of Personnel Protective Devices	11	
Use and Maintenance of Machines & Equipment	—		Work Habits		
Use of Ionizing Radiation Sources	—				

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
0. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

AUDITED BY (SIGNATURE)	REVIEWED WITH (SIGNATURE)

05 - Electrical
06 - Work Practices

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1410	DECONTAMINATION BUILDING	03	61	07			
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TY OL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered		
Hand		
Hydraulic		
Pneumatic Powered		
Powder Actuated		

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other *(Note in Remarks)*
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other *(Note in Remarks)*
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1410	DECONTAMINATION BUILDING	03	61	08	4	3	4-6-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor	—		Power Truck	—	
Chain Hoist	—		Tractor	—	
Electric Hoist	1		Plant Railway	—	
Winch or Tugger	—		Skid	—	
Sling	11		Pallet	—	
Lifting Fixture	—		Bicycle	—	
Dolley	—		Bus	—	
Handtruck	1	1(19-5)	Passenger Car	—	
Wheelbarrow	—		Motor Truck	—	
Fork Truck	—		Other *(Note in Remarks)*	—	

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Cr g Signals	25. Hitches	39. Other *(Note in Remarks)*
12. C g Signs	26. Hooks	
13. De an Control	27. Horn	
14. Deck	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other *(Note in Remarks)*
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

07 - Power Tools
08 - Materials Handling

SAFETY AUDIT REPORT
JCN-2021 (7 "9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1410	DECONTAMINATION BUILDING	03	61	09	2	2	4-6-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Acetone Tank	—		Freon Tank	—	
Air Receivers	—		HF Tank	—	
Boilers	—		UF_6 Containers	—	
Compressed Gas Cylinders	—		Water Storage Heaters	/	
Fluorine Tank	—		Other (Note in Remarks)	/	

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other (Note in Remarks)
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other (Note in Remarks)	7. Incorrect	14. Not Shielded	

REMARKS:
CONDENSATE TANK

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

09 - Pressure Vessels & Gas Cylinders

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1410	DECONTAMINATION BUILDING	03	61	10			
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Arc Cutting Unit			Oxygen-Arc Cutting Unit		
Automatic Arc Welding Unit			Paper Cutter		
Bench or Pedestal Grinder			Planer (metal)		
Blower			Planer (wood)		
Boring Mill			Power Press		
Centrifuge			Press Brake		
Compressor			Pulverizer		
Crusher			Pump		
Diesels (stationary)			Saw (band - metal)		
Drill Press			Saw (band - wood)		
Fans			Saw (circular - metal)		
Forming Rolls			Saw (circular - wood)		
Gear Cutter			Saw (jig)		
Grinding Machine			Saw (power - rip)		
Hobber			Saw (radial)		
Jointer			Saw (swing)		
Lat' ngine)			Screw Machine		
Lat urret)			Shaper (metal)		
Lathe (woodworking)			Shaper (wood)		
Manual Arc Cutting Unit			Shears		
Manual Arc Welding Unit			Slicer		
Mixer			Other *(Note in Remarks)*		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other *(Note in Remarks)*
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other *(Note in Remarks)*	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
0. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1410	DECONTAMINATION BUILDING	03	61	01	9	9	7-18-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Auto. Sprinkler System	1	*	Fire Extinguishers	III	
Emergency Exits	—		Protective Equip. Supply	1	
Emergency Station	II		P. A. System	—	
Evacuation Alarm	—		Safety Showers	1	
Eye Baths	—		Standpipes	—	
Fire Alarm Boxes	1		Other (Note in Remarks)	—	
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:
* Hole in Floor Around Entrace Needs Concreted

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1410	DECONTAMINATION BUILDING	03	61	02	7	5	7-18-61
BM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	1	(4-8, 12,)(1)	Radiating Surfaces	—	
Illumination	IIII		Traffic Control	—	
Material Containment	1	(4-21)*	Ventilation	1	
Radiation	—	See Other Remarks	Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Areas
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:
* Quantities of Green Salt Loose on Floor
(1) Radioactive Material Stored Without Adequate Warning Tags

55-45 0-0

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AUDITED BY (SIGNATURE) W E Muldrew

REVIEWED WITH (SIGNATURE) R. B. Coffey

(1 - Fixed Protection
(2 - Environmental Control

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1410	DECONTAMINATION BUILDING	03	61	03	15	13	7-18-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Catwalks	—		Ladder (stationery)	/	
Exit	////		Platforms	/	
Floors	////	(21-9)①	Scaffolds	—	
Furniture	//		Stairs	/	
Ladder (portable)	//	(6-3, 17)	Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
0. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
1. Hinges		11. Not Well Illuminated	

REMARKS:

① 2 DRAIN COVERS MISSING IN STORAGE AREA - TRIPPING HAZARD

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1410	DECONTAMINATION BUILDING	03	61	04	2	0	7-18-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine	—		Steam (Bldg Ht - Below 15 psig)	—	
Hydrofluoric Acid	—		Steam (Low Pressure - 15-250 psig)	//	(17-17)① (17-11)②
Natural Gas	—		Steam (High Pressure - above 250 psig)	—	
Pyrofax	—		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

① SERVICE ENTRANCE TO BUILDING HAS DAMAGED, DEFECTIVE, AND LEAKING TRAPS AND VALVES WHICH SHOULD BE REPAIRED

② Steam line leaking in soak tank room.

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

03 - Work Surfaces
04 - Piping & Containers

SAFETY AUDIT REPORT
ICN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K 1410	DECONTAMINATION BUILDING	03	61	05	22	18	7-18-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
ow ... age Equipment Below 480 Volts)		
orded Equipment	1111	3(8-5)
tilization Equipment	1111 1111	1(8-5)
igh Voltage Equipment Above 480 Volts)		
isconnects		
otating Equipment		
ther (Note in Remarks)		

ITEMS UNSATISFACTORY	
1. Boxes	9. Insulation
2. Conduit	10. Plugs
3. Connectors	11. Receptacles
4. Breaker	12. Safety Switch
5. Grounds	13. Switch
6. Ground Mats	14. Warning Signs
7. Identification	15. Other (Note in Remarks)
8. Inspection Date and Tag	

UNSATISFACTORY CONDITION	
1. Broken	5. Does Not Meet Plant Specifications
2. Cracked	7. Not Provided
3. Damaged	8. Ungrounded
4. Deteriorated	9. Unguarded
5. Identification	

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
				06			
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
aterials Handling		
se of Tools		
se and Maintenance of achines & Equipment		
se of Ionizing adiation Sources		

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Use of Safe Attire		
Use of Personnel Protective Devices		
Work Habits		

UNSAFE ACT OBSERVED		
. Suspended Load Carried Over Employees	11. Machine Left Running Unattended	21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
. Failed to Use Crane Hand Signals	12. Operating With Safety Device Removed	22. Entrance Made (Under Unsafe Act No. 21)
. Failed to Use Warning Device	13. Incorrect Safety Device Used	23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
. Regularly Used Limit Switch to Stop Motion	14. Operating With Safety Device Improperly Adjusted	24. Film Badge Not Worn
. Materials Stored, Mixed, or Combined to Create a Hazard	15. Respiratory Protection Not Worn	25. Eye Protection Not Worn
. Flammables Handled in Unapproved Safety Can	16. Improper Respiratory Protection Worn	26. Improper Eye Protection
. Incorrect Tool Used	17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling	27. Hard Hats Not Worn
. Unsafe Tool Used	18. Working on Equipment Not Secured Against Unexpected Operation	28. Gloves Not Worn
. Tool Used Improperly	19. Passenger Permitted to Ride in Unsafe Manner	29. Smoking in Posted Areas
. Machine Operated at Unsafe Speed	20. Operable Radiation Survey Meter Not at Job Site	30. Eating in Posted Areas

REMARKS:

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EDITED BY (SIGNATURE)	REVIEWED WITH (SIGNATURE)

05 - Electrical
06 - Work Practices

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

JW

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1410	DECONTAMINATION BUILDING	03	61	01	6	5	3-13-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Sprinkler System	—		Fire Extinguishers	11	
Emergency Exits	—		Protective Equip. Supply	1	
Emergency Station	1		P. A. System	—	
Evacuation Alarm	—		Safety Showers	1	1(15-6)
Eye Baths	—		Standpipes	—	
Fire Alarm Boxes	1		Other (Note in Remarks)		
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1410	DECONTAMINATION BUILDING	03	61	02	9	9	3-13-61
BM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	111		Radiating Surfaces	—	
Illumination	111		Traffic Control	—	
Material Containment	11		Ventilation	1	
Radiation	—		Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Areas
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

-175- 52-41 6-4

AUDITED BY (SIGNATURE) W. E. Muldrew

REVIEWED WITH (SIGNATURE) A. A. Archer

01 - Fixed Protection
02 - Environmental Control

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1410	DECONTAMINATION BUILDING	03	61	03	10	10	3-13-61
1 - 5	6 - 45	46 - 49	50 - 51	52 - 53	54 - 57	58 - 61	62 - 67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED		NO. UNSATISFACTORY (PART - REASON)
Catwalks	1		Ladder (stationery)	1	
Exit	III		Platforms	1	
Floors	II		Scaffolds	—	
Furniture	1		Stairs	1 —	
Ladder (portable)	—		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1410	DECONTAMINATION BUILDING	03	61	04	3	2	3-13-61
IBM 1 - 5	6 - 45	46 - 49	50 - 51	52 - 53	54 - 57	58 - 61	62 - 67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine	—		Steam (Bldg Ht - Below 15 psig)	1	
Hydrofluoric Acid	—		Steam (Low Pressure - 15 - 250 psig)	—	
Natural Gas	—		Steam (High Pressure - above 250 psig)	—	
Pyrofax	—		Other (Note in Remarks)	II	1(7-13) *

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

* AIR LINE - CHICAGO COUPLING

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

03 - Work Surfaces
04 - Piping & Containers

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1410	DECONTAMINATION BUILDING	03	61	05	8	0	3-13-1
BM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Corded Equipment	11	2(8-7)
Utilization Equipment	~~11~~ 1	6(7-4)
High Voltage Equipment (Above 480 Volts)		
Disconnects	—	
Rotating Equipment	—	
Other (Note in Remarks)	—	

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
5. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1410	DECONTAMINATION BUILDING	03	61	06	6	4	3-13-61
BM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	1		Use of Safe Attire	11	
Use of Tools	1		Use of Personnel Protective Devices	11	2(15)*
Use and Maintenance of Machines & Equipment	—		Work Habits		
Use of Ionizing Radiation Sources	—				

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
0. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS: *Chipping Green Salt off Equipment

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

05 - Electrical
06 - Work Practices

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
				07			
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered		
Hand		
Hydraulic		
Pneumatic Powered		
Powder Actuated		

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1410	DECONTAMINATION BUILDING	03	61	08	12	11	3-13-6[illegible]
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor	—		Power Truck	—	
Chain Hoist	—		Tractor	—	
Electric Hoist	11		Plant Railway	—	
Winch or Tugger	—		Skid	—	
Sling	111	1(5-5)(5-3)	Pallet	1	
Lifting Fixture	111		Bicycle	—	
Dolley	1		Bus	—	
Handtruck	11		Passenger Car	—	
Wheelbarrow	—		Motor Truck	—	
Fork Truck			Other (Note in Remarks)	—	

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
0. Crank	24. Handrails	38. Whistle
1. C[illegible]g Signals	25. Hitches	39. Other (Note in Remarks)
2. C[illegible]g Signs	26. Hooks	
3. De[illegible] Man Control	27. Horn	
[illegible]ck	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

[illegible]RKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

07 - Power Tools
08 - Materials Handlin[illegible]

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1410	DECONTAMINATION BUILDING	03	61	09	4	4	3-13-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Acetone Tank	—		Freon Tank	—	
Air Receivers	—		HF Tank	—	
Boilers	—		UF_6 Containers	—	
Compressed Gas Cylinders	///		Water Storage Heaters	/	
Fluorine Tank	—		Other (Note in Remarks)		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other (Note in Remarks)
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other (Note in Remarks)	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT 1½ hr

UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1410	DECONTAMINATION BUILDING	03	01	01	6	6	2-9-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Sprinkler System	—		Fire Extinguishers	//	
Emergency Exits	—		Protective Equip. Supply	/	
Emergency Station	/		P. A. System	—	
Evacuation Alarm	—		Safety Showers	/	
Eye Baths			Standpipes	—	
Fire Alarm Boxes	/		Other (Note in Remarks)		
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1410	DECONTAMINATION BUILDING	03	01	02	9	9	2-9-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	////		Radiating Surfaces	—	
Illumination	////		Traffic Control	—	
Material Containment	/		Ventilation	/	
Radiation	—		Other (Note in Remarks)	—	

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Areas
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

AUDITED BY (SIGNATURE) W E Middleton

REVIEWED WITH (SIGNATURE) [illegible] 46-42 0-0

01 - Fixed Protection
02 - Environmental Control

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1410	DECONTAMINATION BUILDING	03	01	03	9	9	2-9-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Catwalks	—		Ladder (stationery)	/	
Exit	//		Platforms	//	
Floors	//		Scaffolds	—	
Furniture	//		Stairs	/	
Ladder (portable)	—		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1410	DECONTAMINATION BUILDING	03	01	04	2	2	2-9-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine	—		Steam (Bldg Ht - Below 15 psig)	/	
Hydrofluoric Acid	—		Steam (Low Pressure - 15-250 psig)	/	
Natural Gas	—		Steam (High Pressure - above 250 psig)	—	
Pyrofax	—		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE) WE Muldrew

REVIEWED WITH (SIGNATURE)

03 - Work Surfaces
04 - Piping & Containers

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K 1410	DECONTAMINATION BUILDING	03	01	05	12	8	2-8-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Corded Equipment	11	(8-7)(8-5)
Utilization Equipment	MH MH	2(7-5)
High Voltage Equipment (Above 480 Volts)		
Disconnects		
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
5. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
				06			
BM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling		
Use of Tools		
Use and Maintenance of Machines & Equipment		
Use of Ionizing Radiation Sources		

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Use of Safe Attire		
Use of Personnel Protective Devices		
Work Habits		

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

AUDITED BY (SIGNATURE) WE Muldrew

REVIEWED WITH (SIGNATURE)

05 - Electrical
06 - Work Practices

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
				07			
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE OF TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered		
Hand		
Hydraulic		
Pneumatic Powered		
Powder Actuated		

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks.
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
410	DECONTAMINATION BUILDING	03	01	08	8	8	2-9-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor	—		Power Truck	—	
Chain Hoist	—		Tractor	—	
Electric Hoist	/		Plant Railway	—	
Winch or Tugger	—		Skid	—	
Sling	—		Pallet	///	
Lifting Fixture	/—		Bicycle	—	
Dolley	/		Bus	—	
Handtruck	/		Passenger Car	—	
Wheelbarrow	—		Motor Truck	—	
Fork Truck	/		Other (Note in Remarks)	—	

UNSATISFACTORY PART

. Access Ladders	15. Dog	29. Lights
. Bell	16. Exhaust	30. Limitswitches
. Brakes	17. Fittings	31. Road Bed
. Bumping Post	18. Forks	32. Rope
. Cable	19. Frame	33. Runners
. Chain	20. Glass	34. Switches
. Clearance Markers	21. Grounding Connection	35. Ties
. Controls	22. Guards	36. Track
. Couplings	23. Handles	37. Wheels
. Crank	24. Handrails	38. Whistle
. Cr g Signals	25. Hitches	39. Other (Note in Remarks)
. C Signs	26. Hooks	
. De an Control	27. Horn	
. Deck	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE) W E Muldrew

REVIEWED WITH (SIGNATURE)

07 - Power Tools
08 - Materials Handling

SAFETY AUDIT REPORT gw 1½hr

UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1410	DECONTAMINATION BUILDING	03	01	01	5	2	1-12-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Sprinkler System	—		Fire Extinguishers	1	(0-10)
Emergency Exits	—		Protective Equip. Supply	1	
Emergency Station	1.	(2-14; 11-13)	P. A. System	—	
Evacuation Alarm	—		Safety Showers	1	(0-6)
Eye Baths	—		Standpipes	—	
Fire Alarm Boxes	1		Other (Note in Remarks)		
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1410	DECONTAMINATION BUILDING	03	01	02	13	10	1-12-61
BM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	IIII	(4-21; 4-8)(1,2) (6-8)3.	Radiating Surfaces	—	
Illumination	IIII		Traffic Control	—	
Material Containment	1		Ventilation	II	
Radiation	II	(4-12)	Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Areas
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

(1) Overfilled waste container - cardboard box used for waste.
(2) Glass Bottles of Acid Sitting in Location where they could get broken
(3) Used hose and other tools & equipment scattered about

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AUDITED BY (SIGNATURE) W. E. Muldrew

REVIEWED WITH (SIGNATURE) [illegible] 58-41 0-0

01 - Fixed Protection
02 - Environmental Control

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1410	DECONTAMINATION BUILDING	03	01	03	9	8	1-12-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART-REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART-REASON)
Catwalks	—		Ladder (stationery)	1	
Exit	11		Platforms	1	
Floors	1	(21-9)(1)	Scaffolds	—	
Furniture	11		Stairs	1	
Ladder (portable)	1		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
0. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
1. Hinges		11. Not Well Illuminated	

REMARKS:

(1) DRAIN COVER

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1410	DECONTAMINATION BUILDING	03	01	04	2	2	1-12-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART-CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Fluorine	—		Steam (Bldg Ht - Below 15 psig)	1	
Hydrofluoric Acid	—		Steam (Low Pressure - 15-250 psig)	1	
Natural Gas	—		Steam (High Pressure - above 250 psig)	—	
Pyrofax	—		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE) W. E. Muldrew

REVIEWED WITH (SIGNATURE) A. D. Archer

03 - Work Surfaces
04 - Piping & Containers

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1410	DECONTAMINATION BUILDING	03	01	05	10	3	1-12-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)	MH 11	1(7-6) 4(7-4)
Corded Equipment	11	2(8)
Utilization Equipment	—	
High Voltage Equipment (Above 480 Volts)	—	
Disconnects	1 —	
Rotating Equipment	—	
Other (Note in Remarks)	—	

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
6. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
		03	01	06			
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling			Use of Safe Attire		
Use of Tools			Use of Personnel Protective Devices		
Use and Maintenance of Machines & Equipment			Work Habits		
Use of Ionizing Radiation Sources					

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
0. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS: No Work in Progress

AUDITED BY (SIGNATURE) W. E. Muldrew

REVIEWED WITH (SIGNATURE) A. H. Archer

05 - Electrical
06 - Work Practices

SAFETY AUDIT REPORT

HCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1410	DECONTAMINATION BUILDING	03	01	07	11	9	1-12-61
BM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered	—	
Hand	IIII IIII	1(9-7) 1(7-9)
Hydraulic	—	
Pneumatic Powered	1	
Powder Actuated	—	

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1410	DECONTAMINATION BUILDING	03	01	08	8	7	1-12-61
BM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor	—		Power Truck	—	
Chain Hoist	—		Tractor	—	
Electric Hoist	1	*	Plant Railway	—	
Winch or Tugger	—		Skid	—	
Sling	IIII	1(5-5)	Pallet	11	
Lifting Fixture	—		Bicycle	—	
Dolley	—		Bus	—	
Handtruck	1 —		Passenger Car	—	
Wheelbarrow	—		Motor Truck	—	
Fork Truck	1		Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. C g Signals	25. Hitches	39. Other (Note in Remarks)
12. g Signs	26. Hooks	
13. Dead Man Control	27. Horn	
14. Deck	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

*Possible For Small Hoist To Run off Track

AUDITED BY (SIGNATURE) W. E. Muldrew -187-

REVIEWED WITH (SIGNATURE) [illegible]

07 - Power Tools

08 - Materials Handl

0 0 1 8 3	Jan 32 12 00 AM '61
0 0 0 8 0	Jan 31 4 00 PM '61
0 0 0 4 3	Jan 31 8 00 AM '61
0 0 0 6 1	Jan 31 12 00 AM '61
0 0 1 8 4	Jan 30 4 00 PM '61
0 0 0 7 2	Jan 30 8 00 AM '61
0 0 1 0 2	Jan 30 12 00 AM '61
0 0 0 7 5	Jan 29 4 00 PM '61
0 0 0 8 9	Jan 29 8 00 AM '61
0 0 0 9 6	Jan 29 12 00 AM '61
0 0 0 8 2	Jan 28 4 00 PM '61
0 0 1 1 9	Jan 28 8 00 AM '61
0 0 0 8 1	Jan 28 12 00 AM '61
0 0 0 3 9	Jan 27 4 00 PM '61

WCM
2-6-61

0 0 0 3 5	Jan 27 8 00 AM '61
0 0 0 0 1	Jan 27 8 27 AM '61
0 0 0 0 0	Jan 27 8 25 AM '61

CAL Check
1-27-61
OK
INST. DEPT.

0 0 0 0 0	Jan 27 8 25 AM '61
0 0 0 3 5	Jan 27 8 25 AM '61
0 0 0 6 3	Jan 27 1 00 AM '61
0 0 0 6 6	Jan 26 5 00 PM '61
0 0 0 5 2	Jan 26 9 00 AM '61
0 0 0 5 5	Jan 26 1 00 AM '61
0 0 0 5 2	Jan 25 5 00 PM '61
0 0 0 3 1	Jan 25 9 00 AM '61
0 0 0 5 0	Jan 25 1 00 AM '61
0 0 0 4 2	Jan 24 5 00 PM '61
0 0 0 6 9	Jan 24 9 00 AM '61
0 0 0 9 5	Jan 24 1 00 AM '61
0 0 0 7 1	Jan 23 5 00 PM '61
0 0 0 3 0	Jan 23 9 00 AM '61
0 0 0 4 2	Jan 23 1 00 AM '61
	Jan 22 5 00 PM '61

0 0 0 4 2	JAN 24 5 00 AM '61
0 0 0 6 9	JAN 24 9 00 AM '61
0 0 0 9 5	JAN 24 1 00 AM '61
0 0 0 7 1	JAN 23 5 00 PM '61
0 0 0 3 0	JAN 23 [illegible] '61
0 0 0 4 2	JAN 23 1 00 AM '61
0 0 0 4 1	JAN 22 5 00 PM '61
0 0 0 4 0	JAN 22 9 00 AM '61
0 0 0 2 4	JAN 22 1 00 AM '61
0 0 0 2 5	JAN 21 5 00 PM '61
0 0 0 2 7	JAN 21 9 00 AM '61
0 0 0 3 5	JAN 21 1 00 AM '61
0 0 0 3 8	JAN 20 5 00 PM '61
0 0 0 1 7	JAN 20 9 00 AM '61
0 0 0 1 7	JAN 20 5 03 AM '60
0 0 0 3 7	JAN 20 1 02 AM '60
0 0 0 6 6	JAN 19 5 02 PM '60
0 0 0 0 4	JAN 19 9 02 AM '60
0 0 0 0 0	JAN 19 6 54 AM '60
0 0 0 0 0	JAN 17 [illegible] '60
0 0 0 0 1	JAN 17 2 [illegible] AM '60
0 0 0 0 4	JAN 17 12 [illegible] AM '60
0 0 0 4 3	JAN 16 4 00 PM '60
0 0 0 6 3	JAN 16 8 00 AM '60
0 0 0 0 0	JAN 16 6 02 AM '60
0 0 0 5 6	JAN 16 6 02 AM '60
0 0 0 9 1	JAN 16 12 00 AM '60
0 0 0 8 6	JAN 15 4 00 PM '60

0 0 0 0 0	Jan 16 6 02 AM '60
0 0 0 5 6	Jan 16 6 02 AM '60
0 0 0 9 1	Jan 16 12 00 AM '60
0 0 0 8 6	Jan 15 4 00 PM '60
0 0 0 8 9	Jan 15 8 00 AM '60
0 0 0 5 4	Jan 15 12 00 AM '60
0 0 0 7 8	Jan 14 4 00 PM '60
0 0 1 2 3	Jan 14 8 00 AM '60
0 0 1 2 1	Jan 14 12 00 AM '60
0 0 1 1 8	Jan 13 4 00 PM '60
0 0 1 8 3	Jan 13 8 01 AM '60
0 0 1 3 2	Jan 13 12 01 AM '60
0 0 1 4 2	Jan 12 4 01 PM '60
0 0 1 3 6	Jan 12 8 01 AM '60
0 0 1 2 1	Jan 12 12 01 AM '60
0 0 1 8 3	Jan 11 4 01 PM '60
0 0 1 8 0	Jan 11 8 01 AM '60
0 0 1 3 3	Jan 11 12 01 AM '60
0 0 1 7 6	Jan 10 4 01 PM '60
0 0 1 2 9	Jan 10 8 01 AM '60
0 0 1 7 4	Jan 10 12 01 AM '60
0 0 0 7 5	Jan 9 4 01 PM '60
0 0 0 6 8	Jan 9 8 01 AM '60
0 0 0 6 6	Jan 9 12 01 AM '60
0 0 0 6 3	Jan 8 4 01 PM '60
0 0 0 5 7	Jan 8 8 01 AM '60
0 0 0 9 2	Jan 8 12 01 AM '60
0 0 1 0 5	Jan 7 4 01 PM '60
0 0 1 1 5	Jan 7 8 01 AM '60
0 0 1 0 7	Jan 7 12 01 AM '60
0 0 1 0 5	Jan 6 4 01 PM '60
0 0 1 5 4	Jan 6 8 01 AM '60
[illegible]	Jan 6 12 01 AM '60

Ignored used filter only 1/2 hr should

00105	JAN 7 4 01 PM '60
00115	JAN 7 8 01 AM '60
00107	JAN 7 12 01 AM '60
00105	JAN 6 4 01 PM '60
00154	JAN 6 8 01 AM '60
00116	JAN 6 12 01 AM '60
00084	JAN 5 4 01 PM '60

00000	JAN 5 10 11 AM '60
00041	JAN 5 10 11 AM '60
00112	JAN 5 8 01 AM '60
00118	JAN 5 12 01 AM '60
00091	JAN 4 4 01 PM '60
00074	JAN 4 8 01 AM '60
00067	JAN 4 12 01 AM '60
00061	JAN 3 4 01 PM '60
00021	JAN 3 8 01 AM '60

00054	JAN 3 5 17 AM '60

Manually (stamp)

#14 Good
#140 Good
Jump Run
1-3-61

TOT. Act. = 73 NO. Samples = 100
Av. Act. = 0.73 NO. > PAL = 26
% > PAL = 26

JAN. '61
K-1410 Sump Tank Room

0 0 0 4 6	Dec 34 [illegible] '60
0 0 0 8 2	Dec 33 4 01 PM '60
0 0 0 8 5	Dec 33 8 01 AM '60
0 0 0 9 1	Dec 33 12 01 AM '60
0 0 0 5 1	Dec 32 4 01 PM '60
0 0 0 4 3	Dec 32 8 01 AM '60

NO2/N
Ulsd/N1H10 SO2 H2O/NH3 Bm
3-2-61 3-1-61

0 0 1 8 0	Feb 29 12 00 AM '61
0 0 1 4 0	Feb 28 4 00 PM '61
0 0 1 9 2	Feb 28 8 00 AM '61
0 0 0 0 5	Feb 28 12 00 AM '61
0 0 0 0 3	Feb 27 4 00 PM '61
0 0 0 9 1	Feb 27 8 00 AM '61
0 0 1 4 0	Feb 27 12 00 AM '61
0 0 1 7 9	Feb 26 4 00 PM '61
0 0 1 2 1	Feb 26 8 00 AM '61
0 0 0 9 4	Feb 26 12 00 AM '61
0 0 1 2 4	Feb 25 4 00 PM '61
0 0 0 3 9	Feb 25 8 00 AM '61
0 0 1 1 2	Feb 25 12 00 AM '61
0 0 0 9 8	Feb 24 4 00 PM '61
0 0 1 2 2	Feb 24 8 00 AM '61
0 0 1 5 7	Feb 24 12 00 AM '61
0 0 0 7 2	Feb 23 4 00 PM '61
0 0 0 3 1	Feb 23 8 00 AM '61
0 0 0 4 1	Feb 23 12 00 AM '61
0 0 0 9 7	Feb 22 4 00 PM '61
0 0 1 1 4	Feb 22 8 00 AM '61
0 0 1 3 5	Feb 22 12 00 AM '61
0 0 1 2 2	Feb 21 4 00 PM '61
0 0 1 9 5	Feb 21 8 00 AM '61
0 0 1 6 1	Feb 21 12 00 PM '61
0 0 2 8 3	Feb 20 4 00 PM '61
0 0 2 3 4	Feb 20 8 00 AM '61
0 0 2 1 9	Feb 20 12 00 AM '61
0 0 1 6 2	Feb 19 4 00 PM '61
0 0 1 6 2	Feb 19 8 00 AM '61
0 0 1 8 2	Feb 19 12 00 AM '61
0 0 1 4 7	Feb 19 4 00 PM '61

00283	FEB 20 4 00 PM '61
00264	FEB 20 8 00 AM '61
00219	FEB 20 12 00 AM '61
00162	FEB 19 4 00 PM '61
00162	FEB 19 8 00 AM '61
00182	FEB 19 12 00 AM '61
00147	FEB 18 4 00 PM '61
00187	FEB 18 8 00 AM '61
00152	FEB 18 12 00 AM '61
00278	FEB 17 4 00 PM '61
00071	FEB 17 8 00 AM '61
00000	FEB 17 4 13 AM '61
00040	FEB 17 4 13 AM '61
00000	FEB 17 3 55 AM '61
00039	FEB 17 3 55 AM '61
00085	FEB 17 12 00 AM '61
00119	FEB 16 4 00 PM '61
00162	FEB 16 8 00 AM '61
00049	FEB 16 12 00 AM '61
00071	FEB 15 4 00 PM '61
00131	FEB 15 8 00 AM '61
00100	FEB 15 12 00 AM '61
00120	FEB 14 4 00 PM '61
00087	FEB 14 8 00 AM '61
00075	FEB 14 12 00 AM '61
00053	FEB 13 4 00 PM '61
00092	FEB 13 8 00 AM '61
[illegible]	[illegible]
00175	FEB 13 12 00 AM '61
00117	FEB 12 4 00 PM '61
00061	FEB 12 8 00 AM '61
00091	FEB 12 12 00 AM '61
00077	FEB 11 4 00 PM '61
00051	FEB 11 8 00 AM '61

0 0 1 7 5	FEB 13 12 00 AM '61
0 0 1 1 7	FEB 12 4 00 PM '61
0 0 0 6 1	FEB 12 8 00 AM '61
0 0 0 9 1	FEB 12 12 00 AM '61
0 0 0 7 7	FEB 11 4 00 PM '61
0 0 0 5 1	FEB 11 8 00 AM '61
0 0 0 4 5	FEB 11 12 00 AM '61
0 0 0 9 4	FEB 10 4 00 PM '61
0 0 0 4 5	FEB 10 8 00 AM '61
0 0 0 3 7	FEB 10 12 00 AM '61
0 0 0 8 4	FEB 9 4 00 PM '61
0 0 0 5 2	FEB 9 8 00 AM '61
0 0 0 6 4	FEB 9 12 00 AM '61
0 0 0 4 8	FEB 8 4 00 PM '61
0 1 1 2 5	FEB 8 8 00 AM '61

CALIBRATED
2-1-61
INST. DEPT
Replaced bad tube
in scaler.

0 0 0 3 8	FEB 1 8 48 AM '61
0 0 0 0 1	FEB 1 8 32 AM '61
0 0 0 0 4	FEB 1 8 31 AM '61
0 0 0 3 2	FEB 1 8 26 AM '61
0 0 0 0 1	FEB 1 8 13 AM '61

0 0 0 3 8	FEB 1 8 48 AM '61
0 0 0 0 1	FEB 1 8 39 AM '61
0 0 0 0 4	FEB 1 8 31 AM '61
0 0 0 3 2	FEB 1 8 26 AM '61
0 0 0 0 1	FEB 1 8 13 AM '61
0 0 0 0 0	FEB 1 8 12 AM '61
0 0 0 0 2	FEB 1 8 12 AM '61
0 0 1 0 7	FEB 1 8 00 AM '61

TOT. ACT. = 88 No. samples = 68

AV. ACT. = 1.3 No. > PAL = 35

% > PAL = 51

K-1410

Feb, '61

2-1-61

0 0 1 1 2	~~Mar 32 12 00 AM '61~~
0 0 0 5 9	Mar 31 4 29 PM '61
0 0 0 2 2	Mar 31 8 29 AM '61
0 0 0 3 5	Mar 31 12 29 AM '61
0 0 2 8 0	Mar 30 4 29 PM '61
0 0 0 2 5	Mar 30 8 30 AM '61
0 0 4 4 7	Mar 30 12 29 AM '61
0 0 0 3 5	Mar 29 4 29 PM '61
0 0 2 2 2	Mar 29 8 29 AM '61
0 0 0 0 3	~~Mar 29 12 00 AM '61~~
	Mar 28 4 29 PM '61

Wk 12-1410
4-3-61 Sample Time Run
4-3-61

0 0 0 0 0	~~Mar 29 8 50 AM '61~~
0 0 0 0 0	Mar 29 8 29 AM '61

0 0 0 0 0	~~Mar 29 3 03 AM '61~~
0 0 0 0 5	~~Mar 28 3 03 AM '61~~
0 0 0 1 3	~~Mar 28 3 03 AM '61~~
0 0 1 3 8	~~Mar 27 6 27 PM '61~~
0 0 0 8 2	~~Mar 27 10 27 AM '61~~

0 0 0 0 2	~~Mar 27 10 03 AM '61~~

0 0 0 0 8	~~Mar 16 9 50 AM '61~~

0 0 0 0 8	MAR 16 9 58 AM '61
0 0 0 0 6	MAR 27 4 12 AM '61
0 0 0 0 2	MAR 27 4 12 AM '61
0 0 0 0 0	MAR 27 3 [illegible] AM '61
0 0 0 3 1	MAR 27 3 40 AM '61
0 0 0 0 0	MAR 27 3 32 AM '61
0 0 0 0 0	MAR 27 3 32 AM '61
0 0 0 1 5	MAR 27 3 32 AM '61
0 0 0 3 1	MAR 26 11 58 PM '61
0 0 0 2 3	MAR 26 3 58 PM '61
0 0 0 3 7	MAR 26 7 58 AM '61
0 0 0 3 2	MAR 25 11 58 PM '61
0 0 0 2 7	MAR 25 3 58 PM '61
0 0 0 4 3	MAR 25 7 58 AM '61
0 0 0 4 1	MAR 24 11 58 PM '61
0 0 0 3 9	MAR 24 3 58 PM '61
0 0 0 3 5	MAR 24 7 58 AM '61
0 0 0 4 9	MAR 23 11 58 PM '61
0 0 0 4 5	MAR 23 3 58 PM '61
0 0 0 3 4	MAR 23 7 58 AM '61
0 0 0 3 0	MAR 22 11 58 PM '61
0 0 0 2 5	MAR 22 3 58 PM '61
0 0 0 3 3	MAR 22 7 58 AM '61
0 0 0 3 7	MAR 21 11 58 PM '61
0 0 0 3 7	MAR 21 3 58 PM '61
0 0 0 0 0	MAR 21 9 54 AM '61
0 0 0 4 3	MAR 21 9 54 AM '61
0 0 0 5 5	MAR 21 7 58 AM '61
0 0 0 7 9	MAR 20 11 58 PM '61
0 0 1 1 8	MAR 20 3 58 PM '61

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0 0 0 5 5	MAR 21 7 58 AM '61
0 0 0 7 9	MAR 20 11 58 PM '61
0 0 1 1 8	MAR 20 3 58 PM '61
0 0 0 0 2	MAR 20 7 58 AM '61
~~0 0 0 0 0~~	~~MAR 20 5 28 AM '61~~
~~0 0 0 0 0~~	~~MAR 20 5 28 AM '61~~
0 0 0 0 0	MAR 19 11 58 PM '61
0 0 0 0 0	MAR 19 4 00 PM '61
0 0 0 0 0	MAR 19 8 00 AM '61
0 0 0 0 0	MAR 19 12 00 AM '61
0 0 0 0 0	MAR 18 4 00 PM '61
0 0 0 0 0	MAR 18 8 00 AM '61
0 0 0 1 8	MAR 18 12 00 AM '61
0 0 0 0 0	MAR 17 4 00 PM '61
0 0 1 2 5	MAR 17 8 00 AM '61
0 0 1 6 9	MAR 17 12 00 AM '61
0 0 1 2 4	MAR 16 4 00 PM '61
0 0 0 7 7	MAR 16 8 00 AM '61
0 0 1 8 6	MAR 16 12 00 AM '61
0 0 1 9 9	MAR 15 4 00 PM '61
0 0 1 6 9	MAR 15 8 00 AM '61
0 0 4 6 2	MAR 15 12 00 AM '61
0 0 2 3 1	MAR 14 4 00 PM '61
0 0 1 1 7	MAR 14 8 00 AM '61
0 0 1 2 2	MAR 14 12 00 AM '61
0 0 2 5 4	MAR 13 4 00 PM '61
0 0 0 9 4	MAR 13 8 00 AM '61
0 0 1 1 8	MAR 13 12 00 AM '61
0 0 1 1 5	MAR 12 4 00 PM '61
0 0 1 2 5	MAR 12 8 00 AM '61
0 0 0 6 8	MAR 12 12 00 AM '61
0 0 0 8 0	MAR 11 4 00 PM '61
0 0 0 7 6	MAR 11 8 00 AM '61
0 0 0 5 0	MAR 11 12 00 AM '61
0 0 0 2 1	MAR 10 4 00 PM '61

0 0 0 7 6	Mar 11 8 00 AM '61
0 0 0 5 0	Mar 11 12 00 AM '61
0 0 0 2 1	Mar 10 4 00 PM '61
0 0 0 1 7	Mar 10 8 00 AM '61
0 0 0 1 4	Mar 10 12 00 AM '61
0 0 0 1 4	Mar 9 4 00 PM '61
0 0 0 1 5	Mar 9 8 00 AM '61
0 0 0 1 5	Mar 9 12 00 AM '61
0 0 0 1 1	Mar 8 4 00 PM '61
0 0 0 1 5	Mar 8 8 00 AM '61
0 0 0 1 8	Mar 8 12 00 AM '61
0 0 0 1 7	Mar 7 4 00 PM '61
0 0 0 3 3	Mar 7 8 00 AM '61
0 0 0 3 2	Mar 7 12 00 AM '61
0 0 0 4 0	Mar 6 4 00 PM '61
0 0 0 6 9	Mar 6 8 00 AM '61
0 0 1 4 4	Mar 6 12 00 AM '61
0 0 1 1 0	Mar 5 4 00 PM '61
0 0 0 4 5	Mar 5 8 00 AM '61
0 0 0 3 7	Mar 5 12 00 AM '61
0 0 0 4 0	Mar 4 4 00 PM '61
0 0 0 9 4	Mar 4 8 00 AM '61
0 0 0 9 7	Mar 4 12 00 AM '61
0 0 1 2 1	Mar 3 4 00 PM '61
0 0 0 7 0	Mar 3 8 00 AM '61
0 0 0 6 2	Mar 3 12 00 AM '61
0 0 0 6 8	Mar 2 4 00 PM '61
0 0 0 0 1	Mar 2 8 00 AM '61
~~0 0 0 0 0~~	~~Mar 2 7 52 AM '61~~
~~0 0 0 3 8~~	~~Mar 2 7 52 AM '61~~

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~~0 0 0 0 0~~	~~Mar 2 7 50 AM '61~~
~~0 0 0 8 1~~	~~Mar 2 7 00 AM '61~~
0 0 1 1 1	Mar 2 12 00 AM '61
0 0 0 9 6	Mar 1 4 00 PM '61
0 0 1 8 9	Mar 1 8 00 AM '61

0 0 1 2 1	MAR 3 4 00 PM '61
0 0 0 7 0	MAR 3 8 00 AM '61
0 0 0 6 2	MAR 3 12 00 AM '61
0 0 0 6 8	MAR 2 4 00 PM '61
0 0 0 0 1	MAR 2 8 00 AM '61
~~0 0 0 0 0~~	~~MAR 2 7 52 AM '61~~
~~0 0 0 5 6~~	~~MAR 2 7 52 AM '61~~
~~0 0 0 0 0~~	~~MAR 2 7 39 AM '61~~
~~0 0 0 6 1~~	~~MAR 2 7 39 AM '61~~
0 0 1 1 1	MAR 2 12 00 AM '61
0 0 0 9 6	MAR 1 4 00 PM '61
0 0 1 8 9	MAR 1 8 00 AM '61

TOT. Act. = 44 NO. SAMPLES : 91
Av. Act. = 0.73 NO. > PAL = 25
% > PAL = 27

K-1410
MAR '61

0 0 2 5 5 – 5-1-61	APR 30 12 01 AM '61
0 0 2 0 4 – Hillsmonto	APR 30 4 01 PM '61
0 0 2 4 5 – 1410 Sachsen Room	APR 30 8 01 AM '61
0 0 2 1 7 –	APR 30 12 01 AM '61
0 0 2 4 7 –	APR 29 4 01 PM '61
0 0 2 2 8 – WEM 5-2-61	APR 29 8 01 AM '61
0 0 0 8 4	APR 29 12 01 AM '61
0 0 0 9 8	APR 28 4 01 PM '61
0 0 0 0 2 –	APR 28 8 01 AM '61
0 0 0 0 5 –	APR 28 12 01 AM '61
0 0 1 6 4 –	APR 27 4 01 PM '61
0 0 2 2 4 –	APR 27 8 01 AM '61
0 0 2 3 8 –	APR 27 12 01 AM '61
0 0 1 0 6 –	APR 26 4 01 PM '61
0 0 0 4 1	APR 26 8 01 AM '61
0 0 0 0 2	APR 26 12 01 AM '61
0 0 0 0 3	APR 25 4 01 PM '61
0 0 0 0 3	APR 25 8 01 AM '61
0 0 0 0 3	APR 25 12 01 AM '61
0 0 0 0 1	APR 24 4 01 PM '61
0 0 1 8 1 –	APR 24 8 01 AM '61
0 0 0 4 0	APR 24 12 01 AM '61
0 0 1 2 9 –	APR 23 4 01 PM '61
0 0 0 7 7	APR 23 8 01 AM '61
0 0 1 1 5 –	APR 23 12 01 AM '61
0 0 1 1 5 –	APR 22 4 01 PM '61
0 0 1 2 5 –	APR 22 8 01 AM '61
0 0 1 2 6 –	APR 22 12 01 AM '61
0 0 0 8 9	APR 21 4 01 PM '61
0 0 1 7 0 –	APR 21 8 01 AM '61
0 0 1 1 2 –	APR 21 12 01 AM '61
0 0 1 5 1 –	APR 20 4 01 PM '61
0 0 1 5 3 –	APR 20 8 01 AM '61
0 0 1 4 5 – 202	APR 20 12 01 AM '61
0 0 1 2 9 –	APR 19 4 01 PM '61

0 0 0 8 9	APR 21 4 01 PM '61
0 0 1 7 0	APR 21 8 01 AM '61
0 0 1 1 2	APR 21 12 01 AM '61
0 0 1 5 1	APR 20 4 01 PM '61
0 0 1 5 3	APR 20 8 01 AM '61
0 0 1 4 5	APR 20 12 01 AM '61
0 0 1 2 9	APR 19 4 01 PM '61
0 0 3 7 7	APR 19 8 01 AM '61
0 0 1 3 1	APR 19 12 01 AM '61
0 0 1 3 2	APR 18 4 01 PM '61
0 0 1 5 1	APR 18 8 01 AM '61
0 0 1 0 2	APR 18 12 01 AM '61
0 0 0 6 3	APR 17 4 01 PM '61
0 0 0 3 1	APR 17 8 01 AM '61
0 0 0 2 3	APR 17 12 01 AM '61
0 0 0 2 3	APR 16 4 01 PM '61
0 0 0 1 3	APR 16 8 01 AM '61
0 0 0 5 0	APR 16 12 01 AM '61
0 0 0 7 2	APR 15 4 01 PM '61
0 0 1 1 4	APR 15 8 01 AM '61
0 0 0 3 1	APR 15 12 01 AM '61
0 0 0 3 5	APR 14 4 01 PM '61
0 0 0 2 0	APR 14 8 01 AM '61
~~0 0 0 3 0~~	~~APR 14 5 38 AM '61~~

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~~0 0 0 3 0~~	APR 14 5 38 AM '61

0 0 0 5 9	APR 14 5 59 AM '61
0 0 0 8 1	APR 14 12 01 AM '61
0 0 0 7 5	APR 13 4 01 PM '61
0 0 0 1 6	APR 13 8 01 AM '61

0 0 0 0 0	APR 13 5 59 AM '61
0 0 1 3 8	APR 13 5 59 AM '61
0 0 0 8 4	APR 13 12 01 AM '61
0 0 1 6 2	APR 12 4 01 PM '61
0 0 0 0 6	APR 12 8 01 AM '61
0 0 1 8 5	APR 12 12 01 AM '61
0 0 3 3 8	APR 11 4 01 PM '61
0 0 2 9 5	APR 11 8 01 AM '61
0 0 5 9 1	APR 11 12 01 AM '61
0 0 1 7 6	APR 10 4 01 PM '61
0 0 0 1 7	APR 10 8 01 AM '61

0 0 0 0 0	APR 10 4 25 AM '61
0 0 0 3 4	APR 10 4 25 AM '61
0 0 1 1 9	APR 10 12 01 AM '61
0 0 1 0 4	APR 9 4 01 PM '61
0 0 1 0 8	APR 9 8 01 AM '61
0 0 1 1 8	APR 9 12 01 AM '61
0 0 1 2 5	APR 8 4 01 PM '61
0 0 1 3 4	APR 8 8 01 AM '61
[illegible]	APR 8 12 01 AM '61

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0 0 1 1 9	APR 10 12 01 AM '61
0 0 1 0 4	APR 9 4 01 PM '61
0 0 1 0 5	APR 9 8 01 AM '61
0 0 1 1 5	APR 9 12 01 AM '61
0 0 1 2 5	APR 8 4 01 PM '61
0 0 1 3 4	APR 8 8 01 AM '61
0 0 1 1 4	APR 8 12 01 AM '61
0 0 0 4 1	APR 7 4 01 PM '61
0 0 0 0 0	APR 7 8 01 AM '61
0 0 0 0 1	APR 7 7 51 AM '61
0 0 0 1 1	APR 7 6 39 AM '61
0 0 0 0 1	APR 7 6 35 AM '61
0 0 0 0 5	APR 7 6 35 AM '61
0 0 0 0 0	APR 7 6 34 AM '61
0 0 0 0 1	APR 7 6 32 AM '61

Cal. Chicago
4-7-61
16 count
Required
Refery Dept
Inst. Dept

16/11
16/178
1/84

-205-

0 0 0 0 0	APR 7 6 34 AM '61
0 0 0 0 1	APR 7 6 32 AM '61
0 0 0 1 8	APR 7 6 31 AM '61
0 0 0 0 3	APR 7 6 27 AM '61
0 0 0 0 6	APR 7 6 25 AM '61
0 0 0 1 7	APR 7 6 21 AM '61
0 0 0 0 1	APR 7 6 05 AM '61
0 0 0 0 3	APR 7 6 04 AM '61
0 0 1 6	APR 7 12 29 AM '61
0 0 1 9	APR 6 4 [illegible] '61
0 0 3 2	APR 6 6 [illegible] '61
0 0 3 3	APR 6 12 30 AM '61
0 0 0 2 7	APR 5 4 29 PM '61
0 0 0 7 5	APR 5 8 29 AM '61

Omit

16/108
18/282

17
16/112
17/282

-206

0 0 1 6		APR 7 12 29 AM '61
0 0 1 9		APR 6 4 30 PM '61
0 0 3 2		APR 6 8 30 AM '61
0 0 3 5		APR 6 12 30 AM '61
0 0 0 2 7		APR 5 4 29 PM '61
0 0 0 7 5		APR 5 8 29 AM '61
0 0 0 9 8		APR 5 12 29 AM '61
0 0 0 7 3		APR 4 4 30 PM '61
0 0 0 9 7		APR 4 8 30 AM '61
0 0 0 9 1		APR 4 12 30 AM '61
0 0 1 3 1		APR 3 4 30 PM '61
0 0 0 8 9		APR 3 8 30 AM '61

MOF#14
4-3-61
K-1410
Sump Tank Pump

Tot. Act. = 117 No. Samples = 90
Av. Act. = 1.3 No. > PAL = 54
% > PAL = 60

K-1410 S.T.R.

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Tot. Act. = 117 No. Samples = 90
Av. Act. = 1.3 No. > PAL = 54
% > PAL = 60

K-1410 STR.
APR '61

00098	Mar 34 12 30 AM '61
00113	Mar 33 [illegible] PM '61
00143	Mar 33 8 20 AM '61
00139	Mar 33 12 30 AM '61
00138	Mar 32 4 20 PM '61
00118	Mar 32 8 30 PM '61

No 14. 1410 Soak Tank.
8 Hr Recorder Chart Time
WEM
6-13-61

0 0 0 5 3	May 23 6 00 PM '61
0 0 0 0 2	May 23 [illegible] '61
0 0 0 0 8	May 23 [illegible]

0 0 0 0 0	May 23 1 49 AM '61
0 0 0 5 2	May 23 1 49 AM '61
0 0 1 1 2	May 22 6 00 PM '61
0 0 0 5 5	May 22 [illegible] AM '61

0 0 0 0 0	May 22 3 00 AM '61
0 0 0 2 2	May 22 3 00 AM '61
0 0 2 1 3	[illegible]
0 0 2 1 4	May 17 4 01 PM '61
0 0 0 1 7	May 17 8 01 AM '61

0 0 0 0 0	[illegible]
0 0 0 0 8	May 17 5 59 AM '61

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0 0 0 1 0	May 16 12 [illegible] '61

~~0 0 0 0 8~~	~~May 17 5 59 AM '61~~
0 0 0 1 0	May 16 12 01 AM '61
0 0 0 0 7	May 17 4 01 PM '61
0 0 0 0 3	May 17 8 01 AM '61
~~0 0 0 0 0~~	~~May 17 5 40 AM '61~~
~~0 0 0 0 0~~	~~May 16 5 40 AM '61~~
~~0 0 0 0 0~~	~~May 16 5 35 AM '61~~
~~0 0 0 1 0~~	~~May 16 5 35 AM '61~~
0 0 0 1 0	May 16 12 01 AM '61
0 0 0 1 0	May 15 4 01 PM '61
0 0 0 2 4	May 15 8 01 AM '61
0 0 0 1 7	May 15 12 01 AM '61
0 0 0 0 9	May 14 4 01 PM '61
0 0 0 2 5	May 14 8 01 AM '61
0 0 0 4 5	May 14 12 01 AM '61
0 0 0 4 [illegible]	May 13 4 01 PM '61
0 0 0 1 4	May 13 8 01 AM '61
0 0 0 4 [illegible]	May 13 12 01 AM '61
0 0 0 5 1	May 12 [illegible]

210

0 0 0 0 8	May 14 4 01 PM '61
0 0 0 2 5	May 14 8 01 AM '61
0 0 0 4 5	May 14 12 01 AM '61
0 0 0 4 2	May 13 4 01 PM '61
0 0 0 1 4	May 13 8 01 AM '61
0 0 0 4 8	May 13 12 01 AM '61
0 0 0 6 1	May [illegible]
0 0 0 8 7	May [illegible]
0 0 1 8 0	May 12 12 01 AM '61
0 0 2 3 8	May [illegible]
0 0 1 5 7	May 11 8 01 AM '61
0 0 1 8 3	May 11 12 01 AM '61
0 0 1 4 1	May [illegible]
0 0 1 0 5	May 10 8 01 AM '61
0 0 1 4 0	May [illegible]
0 0 0 5 7	May 9 4 01 PM '61
0 0 0 7 2	May 9 8 01 AM '61
0 0 0 5 5	May 9 12 01 AM '61
0 0 0 6 4	May 8 4 01 PM '61
0 0 1 6 9	May 8 8 01 AM '61
0 0 1 1 7	May 8 12 01 AM '61
0 0 2 0 8	May 7 4 01 PM '61
0 0 2 4 4	May 7 8 01 AM '61
0 0 2 5 6	May 7 12 01 AM '61
0 0 2 7 0	May 6 4 01 PM '61
0 0 2 9 0	May 6 8 01 AM '61
0 0 2 9 2	May 6 12 01 AM '61
0 0 1 7 9	May 5 4 01 PM '61
0 0 1 0 5	May 5 8 01 AM '61
0 0 1 0 6	May 5 12 01 AM '61
0 0 0 7 5	May 4 4 01 PM '61
0 0 0 9 7	May 4 8 01 AM '61
0 0 0 9 8	May 4 12 01 AM '61
0 0 0 6 4	May 3 4 01 PM '61
0 0 0 7 6	May 3 8 01 AM '61
0 0 0 5 7	May 3 12 01 AM '61
0 0 1 5 0	May 2 4 01 PM '61
0 0 0 4 7	May 2 8 01 AM '61
0 0 0 7 1	May 2 12 01 AM '61
0 0 0 8 8	May 1 4 01 PM '61

-21K

00084	MAY 3 4 01 PM '61
00076	MAY 3 8 01 AM '61
00037	MAY 3 12 01 AM '61
00150	MAY 2 4 01 PM '61
00047	MAY 2 8 01 AM '61
00071	MAY 2 12 01 AM '61
00089	MAY 1 4 01 PM '61

5-1-61
#19 Sample
Office Sample Room

Tot. Act. = 56 No. samples = 52
Av. Act. = 1.1 No. > PAL = 22
% > PAL = 42

K-1410
MAY 61

00024	Jun 30 4 00 PM '61
00031	Jun 30 7 56 AM '61
00032	Jun 29 11 56 PM '61
00025	Jun 29 3 56 PM '61
00026	Jun 29 7 56 AM '61
00028	Jun 28 11 56 PM '61
00022	Jun 28 3 56 PM '61
00007	Jun 28 7 56 AM '61
00000	Jun 28 5 17 AM '61
00041	Jun 28 5 17 AM '61
00000	Jun 28 5 02 AM '61
00036	Jun 28 5 02 AM '61
00037	Jun 27 11 56 PM '61
00034	Jun 27 3 56 PM '61
00100	Jun 27 7 56 AM '61
00078	Jun 26 11 56 PM '61
00073	Jun 26 3 56 PM '61
00130	Jun 26 7 56 AM '61
00118	Jun 25 11 56 PM '61
00024	Jun 25 3 56 PM '61
00147	Jun 25 7 56 AM '61

K1410 Soak Tank Room #14 7-3-61 [illegible] WEM 7-6-61

Installed Filter Paper 6-30-61 Inst. Dept

Gmt off 6-28-61 I.D.

-213-

0 0 1 0 0	Jun 27 7 56 AM '61
0 0 0 7 8	Jun 26 11 56 PM '61
0 0 0 7 8	Jun 26 3 56 PM '61
0 0 1 3 0	Jun 26 7 56 AM '61
0 0 1 1 8	Jun 25 11 56 PM '61
0 0 0 2 4	Jun 25 3 56 PM '61
0 0 1 4 7	Jun 25 7 56 AM '61
0 0 1 6 8	Jun 24 11 56 PM '61
0 0 1 4 1	Jun 24 3 56 PM '61
0 0 1 8 2	Jun 24 7 56 AM '61
0 0 1 7 8	Jun 23 11 56 PM '61
0 0 4 2 4	Jun 23 3 56 PM '61
0 0 0 4 8	Jun 23 7 56 AM '61

0 0 0 0 0	Jun 23 7 19 AM '61
0 0 0 0 0	Jun 23 7 19 AM '61
0 0 0 3 0	Jun 22 11 56 PM '61
0 0 0 3 7	Jun 22 3 56 PM '61
0 0 0 5 8	Jun 22 7 56 AM '61
0 0 0 6 8	Jun 21 11 56 PM '61
0 0 0 7 7	Jun 21 3 56 PM '61
0 0 0 6 7	Jun 21 7 56 AM '61
0 0 0 7 5	Jun 20 11 56 PM '61
0 0 0 8 8	Jun 20 3 56 PM '61
0 0 1 2 2	Jun 20 7 56 AM '61
0 0 1 5 2	Jun 19 11 56 PM '61
0 0 1 5 5	Jun 19 3 56 PM '61
0 0 0 5 8	Jun 19 7 56 AM '61
0 0 0 3 2	Jun 18 11 56 PM '61
0 0 1 9 5	Jun 18 3 56 PM '61
0 0 1 8 3	Jun 18 7 56 AM '61
0 0 0 9 0	Jun 17 11 56 PM '61
0 0 1 5 8	Jun 17 3 56 PM '61
0 0 1 4 8	Jun 17 7 56 AM '61
0 0 1 4 8	Jun 16 11 56 PM '61
0 0 1 5 5	Jun 16 3 56 PM '61

-214-

0 0 1 3 3	Jun 18 7 56 AM '61
0 0 0 2 0	Jun 17 11 56 PM '61
0 0 1 5 5	Jun 17 3 56 PM '61
0 0 1 4 8	Jun 17 7 56 AM '61
0 0 1 4 8	Jun 16 11 56 PM '61
0 0 1 3 5	Jun 16 3 56 PM '61
0 0 1 0 3	Jun 16 11 56 AM '61
0 0 1 3 1	Jun 16 8 56 AM '61
0 0 1 0 7	Jun 16 12 56 AM '61
0 0 0 0 5	Jun 15 4 56 PM '61
0 0 0 9 7	Jun 15 8 56 AM '61
0 0 3 3 0	Jun 15 12 56 AM '61
0 0 1 3 4	Jun 14 4 56 PM '61
0 0 1 5 3	Jun 14 8 56 AM '61
0 0 1 5 0	Jun 14 12 56 AM '61
0 0 1 1 3	Jun 13 4 56 PM '61
0 0 1 3 1	Jun 13 8 56 AM '61
0 0 1 3 1	Jun 13 12 56 PM '61
0 0 0 8 9	Jun 12 4 56 PM '61
0 0 1 0 1	Jun 12 8 56 AM '61
0 0 1 7 6	Jun 12 4 38 AM '61
0 0 1 0 1	Jun 11 8 38 PM '61
0 0 1 2 4	Jun 11 12 38 PM '61
0 0 2 1 4	Jun 11 4 38 AM '61
0 0 0 8 8	Jun 10 8 38 PM '61
0 0 1 0 4	Jun 10 12 38 PM '61
0 0 1 4 7	Jun 10 4 38 AM '61
0 0 1 1 3	Jun 9 8 38 PM '61
0 0 0 6 1	Jun 9 12 38 PM '61
0 0 0 6 4	Jun 9 4 38 AM '61
0 0 2 6 0	Jun 8 8 38 PM '61
0 0 2 6 6	Jun 8 12 38 PM '61

-215-

00147	JUN 10 4 38 AM '61
00113	JUN 9 8 38 PM '61
00061	JUN 9 12 38 PM '61
00064	JUN 9 4 38 AM '61
00260	JUN 8 8 38 PM '61
00296	JUN 8 12 38 PM '61
00000	JUN 8 5 08 AM '61
00041	JUN 8 5 08 AM '61
00000	JUN 8 4 50 AM '61
00000	JUN 8 12 09 AM '61
01441	JUN 8 12 09 AM '61
00000	JUN 5 3 33 AM '61
01842	JUN 5 3 33 AM '61
00000	JUN 2 5 42 AM '61
01[illegible]5[illegible]	JUN 2 5 42 AM '61

-216-

tot A.T. = 88 No. samples = 70

00000
01258

JUN 2 5 42 AM '61
JUN 2 5 42 AM '61

Tot. Act. = 88 No. samples = 70
Av. Act. = 1.3 No. > PAL = 42
% > PAL = 60

K-1410 S.T.R.
JUN '61

0 0 0 3 [illegible]		~~Jul 32 1 04 AM '61~~
0 0 0 3 1	#14 Scranton	Jul 31 5 04 PM '61
0 0 0 2 8	1410	Jul 31 9 04 AM '61
0 0 0 2 7	South	Jul 31 1 04 AM '61
0 0 0 5 0	Park	Jul 30 5 04 PM '61
0 0 1 1 5		Jul 30 9 04 AM '61
0 0 1 3 9	WEM 8-8-61	Jul 30 1 04 AM '61
0 0 1 4 7		Jul 29 5 04 PM '61
0 0 0 8 3		Jul 29 9 04 AM '61
0 0 1 0 5		Jul 29 1 04 AM '61
0 0 1 3 7		Jul 28 5 04 PM '61
0 0 0 8 5		Jul 28 9 04 AM '61
0 0 0 8 9		Jul 28 1 04 AM '61
0 0 0 9 8		Jul 27 5 04 PM '61
0 0 0 8 1		Jul 27 9 04 AM '61
0 0 0 9 6		Jul 27 1 04 AM '61
0 0 1 4 8		Jul 26 5 04 PM '61
0 0 0 7 7		Jul 26 9 04 AM '61
0 0 1 1 5		Jul 26 1 04 AM '61
0 0 0 2 4		Jul 25 5 04 PM '61
0 0 0 0 0		~~Jul 25 [illegible] '61~~
0 0 0 3 8		~~Jul 25 3 46 PM '61~~
0 0 0 0 0		~~Jul 20 [illegible] PM '61~~

Fred [illegible] 9-25-[illegible]

0 0 0 0 0		~~Jul 24 10 26 PM '61~~
0 0 0 0 7		~~Jul 24 10 25 PM '61~~
0 0 0 9 4		Jul 24 3 59 PM '61
0 0 1 3 0		Jul 24 7 59 AM '61
0 0 1 4 7	-218-	Jul 23 11 59 PM '61
0 0 [illegible] 5		Jul 23 3 59 PM '61

0 0 0 0 0	Jul 24 10 25 PM '61
0 0 0 0 7	Jul 24 10 25 PM '61
0 0 0 0 4	Jul 24 3 59 PM '61
0 0 1 3 0	Jul 24 7 59 AM '61
0 0 1 4 7	Jul 23 11 59 PM '61
0 0 1 0 5	Jul 23 3 59 PM '61
0 0 1 2 7	Jul 23 7 59 AM '61
0 0 0 0 3	Jul 22 11 59 PM '61
0 0 0 0 0	Jul 22 3 59 PM '61
0 0 1 3 1	Jul 22 7 59 AM '61
0 0 1 1 5	Jul 21 11 59 PM '61
0 0 0 0 8	Jul 21 3 59 PM '61
0 0 1 1 0	Jul 21 7 59 AM '61
0 0 0 0 5	Jul 20 11 59 PM '61
0 0 0 3 0	Jul 20 3 59 PM '61
0 0 0 3 3	Jul 20 7 59 AM '61

0 0 0 0 5	Jul 20 12 00 AM '61
0 0 0 3 5	Jul 19 8 00 AM '61
0 0 1 2 1	Jul 19 12 00 AM '61
0 0 1 2 8	Jul 17 4 00 PM '61
0 0 0 0 8	Jul 16 8 00 AM '61
0 0 0 3 5	Jul 15 8 00 AM '61
0 0 5 2 0	Jul 15 12 00 AM '61
0 0 0 0 1	Jul 13 4 00 PM '61

FILTER PAPER JAMMED
REPAIRED 7-20-61
INST. DEPT.

00528	JUL 15 12 00 AM '61
00091	JUL 13 4 00 PM '61
~~00000~~	~~JUL 13 8 25 AM '61~~
~~00041~~	~~JUL 13 8 25 AM '61~~
00123	JUL 13 8 00 AM '61
00098	JUL 13 12 [illegible] '61
00078	JUL 12 4 00 PM '61
00107	JUL 12 8 [illegible] '61
00136	JUL 12 12 00 AM '61
00214	JUL 11 8 00 AM '61
00105	JUL 10 4 00 PM '61
00102	JUL 10 8 00 AM '61
00086	JUL 10 12 00 AM '61
00056	JUL 9 4 00 PM '61
00070	JUL 9 8 00 AM '61
00065	JUL 9 12 00 AM '61
00034	JUL 8 4 00 PM '61
00124	JUL 8 8 00 AM '61
00119	JUL 8 12 00 AM '61
00054	JUL 7 4 00 PM '61
00077	JUN 7 8 00 AM '61
00071	JUN 7 12 00 AM '61
00078	JUN 6 4 00 PM '61
00105	JUN 6 8 00 AM '61
00113	JUN 6 12 00 AM '61
00117	JUN 5 4 00 PM '61
00028	JUN 5 8 00 AM '61
00011	JUN 5 12 00 AM '61
00057	JUN 4 [illegible] '61
00031	JUN 4 [illegible] '61

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0 0 1 1 3	JUN 6 12 00 AM '61
0 0 1 1 7	JUN 5 4 00 PM '61
0 0 2 2 9	JUN 5 8 00 AM '61
0 0 2 1 1	JUN 5 12 00 AM '61
0 0 1 5 7	JUN 4 4 00 PM '61
0 0 1 3 1	JUN 4 8 00 AM '61
0 0 2 1 [illegible]	JUN 4 12 00 AM '61
0 0 1 4 [illegible]	JUN 3 4 00 PM '61
0 0 0 1 1	JUN 3 8 00 AM '61

TOT. ACT. = 93 NO. SAMPLES = 78
AV. ACT. = 1.19 NO. > PAL = 10
% > PAL = 13

K-1410 S.T. Rm.
JUL '61

-221-

TOT. ACT. = 93 NO. SAMPLES = 78
AV. ACT. = 1.19 NO. > PAL = 10
% > PAL = 13

K-1410 S.T. Am.
JUL '61

0 0 3 2 0	JUN 33 8 00 AM '61
0 0 3 7 4	JUN 33 12 00 AM '61
0 0 2 2 9	JUN 32 4 00 PM '61
0 0 2 2 2	JUN 32 8 00 AM '61
0 0 1 8 5	JUN 32 12 00 AM '61
0 0 1 0 6	JUN 31 4 00 PM '61
0 0 2 0 5	JUN 31 8 00 AM '61
0 0 1 3 2	JUN 31 12 00 AM '61

14 transcripts
1410
Scab Dark Rm.
WEM 9-1-61

0 0 0 0 0 SEP 1 5 01 AM '61
0 0 0 0 0 SEP 1 5 01 AM '61

0 0 0 0 0 SEP 1 4 50 AM '61

0 0 0 0 0 AUG 32 4 [illegible] AM '61
0 0 0 3 1 AUG 32 4 [illegible] AM '61
0 0 1 5 9 AUG 31 8 [illegible] PM '61
0 0 5 4 8 AUG 31 7 [illegible] AM '61
0 0 0 3 9 AUG 26 11 57 PM '61
0 0 0 5 3 AUG 26 7 57 AM '61
0 0 0 0 8 AUG 25 11 [illegible] PM '61
0 0 0 3 7 AUG 25 [illegible] '61
0 0 0 4 6 AUG 24 [illegible] '61
0 0 0 4 3 AUG 24 [illegible] '61
0 0 0 5 [illegible] AUG 24 7 5[illegible] AM '61

0 0 0 0 0	Aug 24 [illegible] '61
0 0 0 5 8	Aug 24 [illegible] '61
0 0 0 5 8	Aug 23 [illegible] 57 PM '61
0 0 0 0 0	Aug 22 [illegible] 02 AM '61
0 0 0 0 0	Aug 22 [illegible]
0 0 0 0 0	Aug 22 8 01 AM '61
0 0 0 0 0	Aug 22 8 01 AM '61
0 0 0 0 0	Aug 22 [illegible] 01 AM '61
0 0 0 0 0	Aug 22 8 01 AM '61
0 0 0 0 0	Aug 22 8 01 AM '61
0 0 0 0 0	Aug 22 8 01 AM '61
0 0 0 0 0	Aug 22 8 01 AM '61
0 0 0 0 0	Aug 22 8 01 AM '61
0 0 0 0 0	Aug 22 8 01 AM '61
0 0 0 0 0	Aug 22 [illegible] 01 AM '61
0 0 0 0 0	Aug 22 [illegible]
0 0 0 0 1	Aug 22 8 01 AM '61
0 0 0 0 0	Aug 22 8 01 AM '61
0 0 0 0 0	Aug 22 8 01 AM '61
0 0 0 0 1	Aug 22 8 01 AM '61
0 0 0 0 0	Aug 22 8 [illegible] AM '61
0 0 0 0 0	Aug 15 [illegible] AM '61
0 0 0 0 2	Aug 17 [illegible] AM '61

Int cus
CB 8/27

CAL. Check
8-17-61
OK
T. D.

0 0 0 3 2	Aug 17 [illegible] PM '61
0 0 0 3 1	Aug 17 [illegible] PM '61
0 0 0 3 1	Aug 17 [illegible] PM '61

SET. TIME
8-16-61
I. D.

0 0 1 1 4	Aug 15 1 26 PM '61
0 0 1 0 0	Aug 15 5 26 AM '61
0 0 0 9 0	Aug 14 9 26 PM '61
0 0 1 0 8	Aug 14 1 26 PM '61
0 0 0 8 9	Aug 14 5 26 AM '61
0 0 0 6 9	Aug 13 9 26 PM '61
0 0 0 7 0	Aug 13 1 26 PM '61
0 0 0 8 4	Aug 13 5 26 AM '61
0 0 0 8 2	Aug 12 9 26 PM '61
0 0 0 8 8	Aug 12 1 26 PM '61
0 0 0 9 4	Aug 12 5 26 AM '61
0 0 0 9 1	Aug 11 9 26 PM '61
0 0 1 1 7	Aug 11 1 26 PM '61
0 0 0 9 8	Aug 11 5 26 AM '61
0 0 1 2 1	Aug 10 9 26 PM '61
0 0 1 1 5	Aug 10 1 26 PM '61
0 0 1 1 4	Aug 10 5 26 AM '61
0 0 0 9 5	Aug 9 9 26 PM '61
0 0 1 0 7	Aug 9 1 26 PM '61
0 0 0 8 8	Aug 9 5 26 AM '61
0 0 0 7 0	Aug 8 9 26 PM '61
0 0 0 5 0	Aug 8 3 26 PM '61
0 0 1 1 5	Aug 8 3 26 PM '61

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0 0 0 3 9	Aug 9 5 25 AM '61
0 0 0 3 0	Aug 9 [illegible] '61
0 0 0 0 0	Aug 8 3 25 PM '61
0 0 0 3 5	Aug 8 3 25 PM '61

0 0 0 4 3	Aug 9 4 43 PM '61
0 0 0 3 6	Aug 9 9 04 AM '61
0 0 0 3 5	Aug 9 1 04 AM '61
0 0 0 3 8	Aug 8 5 04 PM '61
0 0 0 4 2	Aug 8 9 04 AM '61
0 0 0 3 7	Aug 8 1 04 AM '61
0 0 0 3 8	Aug 7 5 04 PM '61
0 0 0 3 9	Aug 7 9 04 AM '61
0 0 0 3 4	Aug 7 1 04 AM '61
0 0 0 3 1	Aug 6 5 04 PM '61
0 0 0 3 8	Aug 6 9 04 AM '61
0 0 0 3 0	Aug 6 1 04 AM '61
0 0 0 3 5	Aug 5 5 04 PM '61
0 0 0 4 3	Aug 5 9 04 AM '61
0 0 0 3 2	Aug 5 1 04 AM '61
0 0 0 3 7	Aug 4 [illegible] '61
0 0 0 4 3	Aug 4 9 04 AM '61
0 0 0 4 1	Aug 4 1 04 AM '61
0 0 0 4 0	Aug 3 [illegible] '61
0 0 0 4 6	Aug 3 9 04 AM '61
0 0 0 4 4	Aug 3 [illegible] '61
0 0 0 3 9	Aug 2 5 04 PM '61
0 0 0 3 3	Aug 2 9 04 AM '61
0 0 0 3 8	Aug 2 [illegible] '61
0 0 0 3 1	Aug 1 [illegible] '61

Hilly Ansinn
Night Bookkeeper

00041	AUG 4 1 04 AM '61
00040	AUG 3 [illegible] '61
00046	AUG 3 9 04 AM '61
00044	AUG 3 [illegible] '61
00039	AUG 2 5 04 PM '61
00038	AUG 2 9 04 AM '61
00037	AUG 2 [illegible] '61
00031	AUG 1 5 [illegible] '61

Alpha Smear
Background

Tot. Act. = 49 No. samples = 51
Av. Act. = 0.96 No. > PAL = 1
% > PAL = 2.0

K-1410 Soak
Tank Rm.
AUG, '61

Tot. Act. = 49 No. samples = 51
Av. Act. = 0.96 No. > PAL = 1
% > PAL = 2.0

K-1410 Soak
Tank Rm.
AUG. '61

0 0 0 7 3

JUL 32 9 AM '61

0 0 0 3 4	#4 [illegible]	Sep 30 11 58 PM '61
0 0 0 2 4	T14/10	Sep 30 3 58 PM '61
0 0 1 1 1	Soak Stab	Sep 30 7 58 AM '61

~~0 0 0 0 0~~		~~Sep 26 3 58 AM '61~~
~~0 0 1 3 4~~		~~Sep 26 7 58 AM '61~~
0 0 0 3 6	Amp Bal 9-29-61	Sep 26 7 58 AM '61
0 0 1 5 7		Sep 27 11 58 PM '61
0 0 1 0 3		Sep 27 3 58 PM '61
0 0 1 0 1		Sep 27 7 58 AM '61

~~0 0 0 0 0~~		~~Sep 27 [illegible]~~
~~0 0 1 4 0~~		~~Sep 27 3 58 AM '61~~
0 0 1 8 7		Sep 26 11 58 PM '61
0 0 1 1 2		Sep 26 3 58 PM '61
~~0 0 1 0 5~~		~~Sep 26 7 58 AM '61~~

~~0 0 0 0 0~~		~~Sep 26 7 58 AM '61~~
0 0 0 7 2	Amp Bal 9/26/61	Sep [illegible]
0 0 0 5 6		Sep 25 11 58 PM '61
0 0 0 5 8		Sep 25 3 58 PM '61
0 0 0 4 9		Sep 25 7 58 AM '61
0 0 0 3 7		Sep 24 11 58 PM '61
0 0 0 3 2		Sep 24 3 58 PM '61
0 0 1 1 6		Sep 24 7 58 AM '61
0 0 1 2 0		Sep 23 11 58 PM '61
0 0 0 3 0		Sep 23 3 58 PM '61
0 0 1 2 4		Sep 23 7 58 AM '61
		Sep 22 11 58 PM '61

0 0 1 1 3	SEP 24 7 58 PM '61
0 0 1 2 1	SEP 23 11 58 PM '61
0 0 1 2 [illegible]	SEP 23 3 58 PM '61
0 0 1 2 4	SEP 22 11 58 PM '61
0 0 0 9 3	SEP 22 3 58 PM '61
0 0 0 1 7	SEP 22 7 58 AM '61
0 0 1 5 [illegible]	SEP 21 11 58 PM '61
0 0 0 9 [illegible]	SEP 21 3 58 PM '61
~~0 [illegible]~~	~~SEP 21 [illegible] AM '61~~
~~0 0 0 7 4~~	~~SEP 21 [illegible] AM '61~~
0 0 0 0 3	SEP 20 11 58 PM '61
0 0 1 4 8	SEP 20 3 58 PM '61
0 0 0 0 5	SEP 20 7 58 AM '61
0 0 1 5 1	SEP 19 11 58 PM '61
0 0 1 5 5	SEP 19 3 58 PM '61
0 0 1 4 [illegible]	SEP 19 7 58 AM '61
~~0 [illegible]~~	~~SEP 18 [illegible] PM '61~~
~~0 [illegible]~~	~~SEP 18 [illegible] PM '61~~
0 [illegible]	SEP 18 11 58 PM '61
0 [illegible]	SEP 18 3 58 PM '61
~~0 0 0 0 0~~	~~SEP [illegible] PM '61~~
~~0 0 0 4 7~~	~~SEP [illegible] PM '61~~

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9-15-77

Inspected 9-15-61

0 0 0 0 0	SEP 15 3 35 AM '61
0 0 0 0 0	SEP 15 3 35 AM '61
0 0 0 5 7	SEP 13 3 58 PM '61
0 0 0 5 0	SEP 13 7 58 AM '61
0 0 0 0 0	SEP 12 [illegible] PM '61
0 0 0 0 5	SEP 12 3 58 PM '61
0 0 0 3 1	SEP 12 7 58 AM '61
0 0 0 0 0	SEP 11 11 58 PM '61
0 0 0 0 0	SEP 11 [illegible] PM '61
0 0 0 0 0	SEP 11 7 58 AM '61
0 0 0 0 0	SEP 10 [illegible] PM '61
0 0 0 0 0	SEP 10 [illegible] PM '61
0 0 0 0 0	SEP 10 7 58 AM '61
0 0 0 0 0	SEP 9 [illegible] PM '61
0 0 1 4 0	SEP 9 7 58 AM '61
0 0 0 0 8	SEP 8 11 58 PM '61
0 0 0 0 4	SEP 8 3 58 PM '61
0 0 0 0 0	SEP 8 7 58 AM '61
0 0 0 0 0	SEP 6 3 56 AM '61
0 0 0 0 0	SEP 6 3 56 AM '61

Inspected 9-8-61

0 0 0 0 0	SEP 6 [illegible] PM '61
0 0 0 0 0	SEP 6 3 35 AM '61
0 0 0 0 0	SEP 7 11 58 PM '61
0 0 0 0 0	SEP 7 7 58 AM '61
0 0 0 0 0	SEP 6 11 58 PM '61
0 0 0 0 0	SEP 6 3 58 PM '61
0 0 0 0 0	SEP 6 7 58 AM '61
0 0 1 1 0	SEP 5 3 58 PM '61
0 0 0 0 0	SEP 5 7 58 AM '61

0 0 0 5 0	SEP 6 11 58 PM '61
0 0 0 5 5	SEP 6 3 58 PM '61
0 0 0 5 8	SEP 6 7 58 AM '61
~~0 0 1 1 8~~	~~SEP 5 3 58 PM '61~~
~~0 0 0 5 8~~	~~SEP 5 7 58 AM '61~~
~~0 0 5 0 0~~	~~SEP 5 7 42 AM '61~~
0 0 1 7 0	SEP 5 7 58 AM '61
0 0 1 0 9	SEP 3 11 58 PM '61
0 0 1 0 8	SEP 3 3 58 PM '61
0 0 1 1 3	SEP 3 7 58 AM '61
0 0 1 2 8	SEP 2 [illegible] PM '61
0 0 0 7 5	SEP 2 3 58 PM '61
0 0 1 0 9	SEP 2 7 58 AM '61
0 0 1 0 3	SEP 1 11 58 PM '61
0 0 0 6 3	SEP 1 3 58 PM '61
0 0 0 4 1	SEP 1 7 58 AM '61

9-1-61

~~Highest~~

1410 Seep

Sump

TOT. ACT. = 78 NO. SAMPLES = 55

AV. ACT. = 1.4 NO. > PAL = 6

% > PAL = 11

K-1410 S.T.R.

Sep '61

#14 monitor
1410 Soak Zone
11-1-61

0	0	1	3	1	Oct 32 11 59 AM '61
0	0	1	0	2	Oct 32 3 59 AM '61
0	0	1	6	7	Oct 31 7 59 PM '61
0	0	1	8	9	Oct 31 11 59 AM '61
0	0	1	3	2	Oct 31 3 59 AM '61
0	0	1	7	8	Oct 30 7 59 PM '61
0	0	1	6	1	Oct 30 11 59 AM '61
0	0	1	4	2	Oct 30 3 59 AM '61
0	0	1	6	3	Oct 29 7 59 PM '61
0	0	1	3	7	Oct 29 11 59 AM '61
0	0	1	4	3	Oct 29 3 59 AM '61
0	0	1	7	0	Oct 28 7 59 PM '61
0	0	1	0	9	Oct 28 11 59 AM '61
0	0	1	2	3	Oct 28 3 59 AM '61
0	0	1	3	6	Oct 27 7 59 PM '61
0	0	1	1	1	Oct 27 11 59 AM '61
0	0	0	7	2	Oct 27 3 59 AM '61

~~0 0 0 0 0 Oct 26 8 01 PM '61~~

~~0 0 0 0 0~~	~~Oct 26 8 01 PM '61~~
~~0 0 0 0 0~~	~~Oct 26 8 01 PM '61~~
0 0 0 0 6	Oct 26 8 00 PM '61
~~0 0 0 3 1~~	~~Oct 26 7 59 PM '61~~
~~0 0 0 0 1~~	~~Oct 26 7 50 PM '61~~
0 0 1 2 0	Oct 26 7 49 PM '61
0 0 1 0 3	Oct 26 11 59 AM '61
0 0 0 5 9	Oct 26 3 59 AM '61
0 0 0 5 3	Oct 25 7 59 PM '61
0 0 0 5 6	Oct 25 11 59 AM '61
0 0 0 6 8	Oct 25 3 59 AM '61
0 0 [illegible] 8	[illegible]
0 0 [illegible] 7 8	[illegible]
0 0 [illegible] 9	[illegible]
0 0 [illegible] 9	[illegible]
0 0 [illegible] 9	[illegible]
0 0 [illegible] 1	[illegible]
0 0 [illegible] 9	[illegible]
0 0 [illegible] 9	[illegible]
0 0 [illegible] 9	[illegible]
0 0 [illegible] 9	[illegible]
0 0 [illegible] 9	[illegible]
0 0 [illegible] 9	[illegible]
0 0 [illegible] 9	[illegible]
0 0 [illegible] 9	[illegible]

0 [illegible]	Oct 22	[illegible] '61
0 [illegible]	Oct 22	3 [illegible] PM '61
0 [illegible]	Oct 21	7 [illegible] PM '61
0 [illegible]	Oct 21	[illegible] '61
0 [illegible]	Oct 21	[illegible] '61
0 [illegible]	Oct 20	7 [illegible] PM '61
0 [illegible]	Oct 20	[illegible] PM '61
0 [illegible]	Oct 20	3 [illegible] AM '61
0 [illegible]	Oct 19	[illegible] PM '61
0 [illegible]	Oct 19	[illegible] PM '61
0 [illegible]	Oct 19	[illegible] PM '61
0 0 1 6 9	Oct 19	7 59 PM '61
0 0 [illegible] 2 1	Oct 19	11 59 AM '61
0 [illegible] 3 3	Oct 19	3 59 AM '61
0 0 1 4 8	Oct 18	7 59 PM '61
0 [illegible] 1 [illegible]	Oct 18	[illegible] AM '61
0 0 1 2 3	Oct 18	4 [illegible] AM '61
0 [illegible] 1 3 4	Oct 17	[illegible] PM '61
0 [illegible] 1 [illegible]	Oct 17	12 [illegible] PM '61
0 [illegible] 1 [illegible]	Oct 17	4 [illegible] AM '61
0 [illegible] [illegible]	Oct 16	8 [illegible] PM '61
0 [illegible]	Oct 16	12 [illegible] AM '61
0 [illegible]	Oct 15	4 [illegible] PM '61
0 [illegible]	[illegible]	[illegible]
0 [illegible]	Oct 15	12 [illegible] PM '61
0 [illegible]	Oct 14	4 [illegible] PM '61
0 [illegible]	Oct 14	8 [illegible] PM '61

Cal. Check
10-19-61
Opp
I. D.

0	0	1	1	2	Oct 16 10 00 AM '61
0	0	[illegible]	[illegible]	[illegible]	Oct 15 4 00 PM '61
0	0	1	1	0	Oct [illegible] '61
0	[illegible]	[illegible]	0	[illegible]	Oct 15 10 00 AM '61
0	0	[illegible]	[illegible]	9	Oct 14 4 00 PM '61
0	0	[illegible]	0	7	Oct 14 8 00 AM '61
0	0	1	1	8	Oct 13 [illegible] AM '61
0	0	1	0	4	Oct 13 4 00 PM '61
0	[illegible]	[illegible]	1	8	Oct 13 8 00 AM '61
0	0	1	3	2	Oct 13 [illegible] '61
0	0	1	2	4	Oct 12 4 00 PM '61
0	0	1	3	1	Oct 12 8 00 AM '61
0	0	1	2	7	Oct 12 12 00 AM '61
0	0	1	2	1	Oct 11 4 00 PM '61
0	0	1	7	2	Oct 11 [illegible] AM '61
0	0	1	4	5	Oct 10 11 58 PM '61
0	0	0	9	4	Oct 10 3 58 PM '61
0	0	1	4	9	Oct 10 7 58 AM '61
0	0	1	4	6	Oct 9 11 57 PM '61
0	0	[illegible]	0	6	Oct 9 3 58 PM '61
0	0	1	0	8	Oct 9 7 [illegible] '61
0	0	0	1	5	Oct 8 11 [illegible] PM '61
0	0	1	0	8	Oct 8 3 58 PM '61
0	0	1	0	2	Oct 8 7 58 AM '61
0	0	0	0	8	Oct 7 11 58 PM '61
0	0	2	1	2	Oct 7 3 58 PM '61
0	0	0	1	8	Oct 7 7 58 AM '61
0	0	0	0	[illegible]	Oct 6 11 58 PM '61
0	0	0	7	7	Oct 6 3 58 PM '61
0	0	0	9	9	Oct 6 7 58 AM '61

-236-

0	[illegible]	[illegible]	[illegible]	[illegible]	Oct 6 6 00 PM '61
0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

4TED 6 DERT

0		Oct 6 7 58 AM '61
0		Oct 6 3 58 AM '61
0		Oct 6 11 58 AM '61
0	1 4	Oct 5 7 58 AM '61
0 0	2 1	Oct 5 11 58 PM '61
0 0	1 6	Oct 5 3 58 PM '61
0 0	1 8	Oct 5 7 58 AM '61
0 0	2 1	Oct 4 11 58 PM '61
0 0	1 6	Oct 4 3 58 PM '61
0 0	1 5	Oct 4 7 58 AM '61
0 0	2 1	Oct 3 11 58 PM '61
0 0	1 2	Oct 3 3 58 PM '61
0 0	2 0	Oct 3 7 58 AM '61
0 0	1 7	Oct 2 11 58 PM '61
0 0	3 8	Oct 2 3 58 PM '61
0 0 1	3 4	Oct 2 7 58 AM '61

CALIBRATED
10-6-61
INST. DEPT.

Hfy ensuch
Hfio Seal Sand Rm.
10-7-61

tot. Act. = 107 No. samples = 92
Av. Act. = 1.2 No. > PAL = 5
% > PAL = 5.4

K-1410
Oct '61

0 0 0 2 7
0 0 0 7 7

SEP 31 3 58 PM '61
SEP 31 7 58 PM '61

#14 minutes
1410 Jacob Jackson
12-1-61
Checked 1:16 PM 12-7-61

00087	Nov 31 12 00 AM '61
00071	Nov 30 4 00 PM '61
00084	Nov 30 8 00 AM '61
00105	Nov 30 12 00 AM '61
00179	Nov 29 4 00 PM '61
00069	Nov 29 8 00 AM '61
01041	Nov 29 12 00 AM '61
00209	Nov 28 4 00 PM '61
00109	Nov 28 8 00 AM '61
00312	Nov 28 12 00 AM '61
00134	Nov 27 4 00 PM '61
00093	Nov 27 8 00 AM '61
00055	Nov 27 12 00 AM '61
00050	Nov 26 4 00 PM '61
00108	Nov 26 8 00 AM '61
00086	Nov 26 12 00 AM '61
00065	Nov 25 4 00 PM '61
00122	Nov 25 8 00 AM '61
00059	Nov 25 12 00 AM '61
00060	Nov 24 4 00 PM '61
00064	Nov 24 8 00 AM '61
00049	Nov 24 12 00 AM '61
00044	Nov 23 4 00 PM '61
00051	Nov 23 8 00 AM '61
00078	Nov 23 12 00 AM '61
00041	Nov 22 4 00 PM '61

0 0 0 4 4	Nov 23 4 00 PM '61
0 0 0 5 1	Nov 23 8 00 AM '61
0 0 0 7 8	Nov 23 12 00 AM '61
0 0 0 4 1	Nov 22 4 00 PM '61

Cal. Dept
11-22-61
T. D.

0 0 0 3 4	Nov 22 9 52 AM '61
0 0 0 0 1	Nov 22 9 37 AM '61
0 0 0 1 2	Nov 22 9 37 AM '61

0 0 0 7 7	Nov 22 8 00 AM '61
0 0 0 8 8	Nov 22 12 00 AM '61
0 0 0 8 8	Nov 21 4 00 PM '61
0 0 1 2 9	Nov 21 8 00 AM '61

0 0 0 8 4	Nov 20 11 53 PM '61
0 0 0 6 5	Nov 20 3 53 PM '61
0 0 0 0 0	Nov 20 10 17 AM '61
0 0 0 0 0	Nov 20 10 17 AM '61
0 1 2 6 9	Nov 20 10 15 AM '61

0 0 1 1 3	Nov 17 7 56 AM '61
0 0 1 1 1	Nov 16 11 56 PM '61

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00113	Nov 17 7 56 AM '61
00111	Nov 16 11 56 PM '61
00085	Nov 16 3 56 PM '61
00095	Nov 16 7 56 AM '61
00085	Nov 15 11 56 PM '61
00071	Nov 15 3 56 PM '61
00101	Nov 15 7 56 AM '61
00117	Nov 14 11 56 PM '61
00112	Nov 14 3 56 PM '61
00109	Nov 14 7 56 AM '61
00131	Nov 13 11 56 PM '61
00108	Nov 13 3 56 PM '61
00246	Nov 13 7 56 AM '61
00271	Nov 12 11 55 PM '61
00123	Nov 12 7 55 AM '61
00149	Nov 11 11 55 PM '61
00126	Nov 11 3 55 PM '61
00154	Nov 11 7 55 AM '61
00101	Nov 10 11 55 PM '61
00123	Nov 10 3 55 PM '61
00001	Nov 10 7 35 AM '61
00037	Nov 10 7 34 AM '61
00001	Nov 10 7 22 AM '61

CAL. Check
11-10-61
OK
Inst. Depot.

37
1/2
2/2
2/9
5

00037	Nov 10 7 34 AM '61
00001	Nov 10 7 22 AM '61
00154	Nov 10 7 21 AM '61
00115	Nov 9 11 55 PM '61
00120	Nov 9 3 55 PM '61
00145	Nov 9 7 55 AM '61
00092	Nov 8 11 55 PM '61
00110	Nov 8 3 55 PM '61
00138	Nov 8 7 55 AM '61
00165	Nov 7 11 54 PM '61
00088	Nov 7 3 54 PM '61
00112	Nov 7 7 54 AM '61
00085	Nov 6 11 54 PM '61
00117	Nov 6 3 54 PM '61
~~00000~~	~~Nov 6 8 03 AM '61~~
00047	Nov 6 8 02 AM '61
00096	Nov 6 2 55 AM '61
00091	Nov 5 6 55 PM '61
00104	Nov 5 10 55 AM '61
00079	Nov 5 2 55 AM '61

242

00112	Nov 7 7 54 AM '61
00085	Nov 6 11 54 PM '61
00117	Nov 6 3 54 PM '61
~~00000~~	~~Nov 6 8 03 AM '61~~
00047	Nov 6 8 02 AM '61
00096	Nov 6 2 55 AM '61
00091	Nov 5 6 55 PM '61
00104	Nov 5 10 55 AM '61
00079	Nov 5 2 55 AM '61
00085	Nov 4 6 55 PM '61
00067	Nov 4 10 55 AM '61
00067	Nov 4 2 55 AM '61
00072	Nov 3 6 55 PM '61
00022	Nov 3 10 55 AM '61
00000	Nov 3 6 03 AM '61

TOT. ACT. = 87 NO. SAMPLES = 75
AV. ACT. = 1.2 NO. > PAL = 5
% > PAL = 6.7

K-1410 S.T. Am.
NOV. 61

00128	#14 Monitor 1-2-64 1810 Scrub Lamb Rm.	Dec 32 12 01 AM '61
00110		Dec 31 4 01 PM '61
00108		Dec 31 8 01 AM '61
00088		Dec 31 12 01 AM '61
00100		Dec 30 4 01 PM '61
00098		Dec 30 8 01 AM '61
00088		Dec 30 12 01 AM '61
00082		Dec 29 4 01 PM '61
00117		Dec 29 8 01 AM '61
00111		Dec 29 12 01 AM '61
00098		Dec 28 4 01 PM '61
00048		Dec 28 8 00 AM '61
00035	Cal. Check 12-28-61 Inst. Dept.	Dec 28 5 27 AM '61
00051		Dec 28 5 15 AM '61
00087		Dec 28 12 01 AM '61
00161		Dec 27 4 01 PM '61
00441		Dec 27 8 01 AM '61
00441		Dec 27 12 01 AM '61
00139		Dec 26 4 01 PM '61
00229		Dec 26 8 01 AM '61
00180		Dec 26 12 01 AM '61
00171		Dec 25 4 01 PM '61
00158		Dec 25 8 01 AM '61
00127		Dec 25 12 01 AM '61

0 0 0 8 7	Dec 26 12 01 AM '61
0 0 1 6 1	Dec 27 4 01 PM '61
0 0 4 4 1	Dec 27 8 01 AM '61
0 0 4 4 1	Dec 27 12 01 AM '61
0 0 1 3 9	Dec 26 4 01 PM '61
0 0 2 2 9	Dec 26 8 01 AM '61
0 0 1 8 0	Dec 26 12 01 AM '61
0 0 1 7 1	Dec 25 4 01 PM '61
0 0 1 5 5	Dec 25 8 01 AM '61
0 0 1 2 7	Dec 25 12 01 AM '61
0 0 1 1 9	Dec 24 4 01 PM '61
0 0 1 3 0	Dec 24 8 01 AM '61
0 0 1 1 8	Dec 24 12 01 AM '61
0 0 1 8 0	Dec 23 4 01 PM '61
0 0 1 3 5	Dec 23 8 01 AM '61
0 0 1 7 7	Dec 23 12 01 AM '61
0 0 1 3 0	Dec 22 4 00 PM '61

WATER PAPER BROKEN REPAIRED 12-22-61 I. D.

0 0 0 0 1	Dec 22 8 00 AM '61
0 0 0 0 1	Dec 22 12 01 AM '61
0 0 0 0 0	Dec 21 4 01 PM '61
0 0 0 0 1	Dec 21 8 01 AM '61

0 0 0 0 1	Dec 22 [illegible] AM '61
0 0 0 0 1	Dec 22 12 01 AM '61
0 0 0 0 [illegible]	Dec 21 4 01 PM '61
0 0 0 0 1	Dec 21 8 01 AM '61

0 0 0 3 5	Dec 21 5 31 AM '61
0 0 1 7 0	Dec 21 5 17 AM '61
0 0 0 0 0	Dec 20 9 30 AM '61
0 0 0 0 0	Dec 20 9 40 AM '61
0 0 0 0 0	Dec 20 9 09 AM '61

CAL CHECK
12-21-61
OK
INST. DEPT.

0 0 0 3 3	Dec 20 8 01 AM '61
0 0 0 5 0	Dec 20 12 01 AM '61
0 0 0 2 4	Dec 19 4 01 PM '61

0 0 0 0 0	Dec 19 9 21 AM '61

ED NEW
ITER PAPER
-19-61
T. DEPT.

-246-

0 0 0 3 3	Dec 20 8 01 AM '61
0 0 0 5 9	Dec 20 12 01 AM '61
0 0 0 2 4	Dec 19 4 01 PM '61

0 0 : 0 9	Dec 19 9 21 AM '61

INSTALLED NEW ROLL FILTER PAPER 12-19-61 INST. DEPT.

0 0 0 5 8	Dec 19 12 00 AM '61
0 0 0 7 1	Dec 18 4 00 PM '61
0 0 0 6 9	Dec 18 8 00 AM '61
0 0 0 4 2	Dec 18 12 00 AM '61
0 0 0 5 8	Dec 17 4 00 PM '61
0 0 0 5 9	Dec 17 8 00 AM '61
0 0 0 6 1	Dec 17 12 00 AM '61
0 0 0 7 4	Dec 16 4 00 PM '61
0 0 0 6 2	Dec 16 8 00 AM '61
0 0 0 4 9	Dec 16 12 00 AM '61
0 0 2 0 4	Dec 15 4 00 PM '61
0 0 0 6 1	Dec 15 7 59 AM '61

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~~0 0 0 0 0~~	~~Dec 15 12 00 AM '61~~
~~0 0 0 0 0~~	~~Dec 14 4 00 PM '61~~
0 0 : 5 4	Dec 14 8 00 AM '61

Found High Voltage Fuse, corrected 12-15-61 INST. DEPT.

Found High Volt Lamp, Corrected 12-15-61 INST. DEPT.

~~0 0 0 0 0~~	~~Dec 15 12 00 AM '61~~
~~0 0 0 0 0~~	~~Dec 14 4 00 PM '61~~
0 0 1 5 4	Dec 14 8 00 AM '61
0 0 1 3 3	Dec 14 12 00 AM '61
0 0 0 7 8	Dec 13 4 00 PM '61
~~0 0 0 0 0~~	~~Dec 13 8 00 AM '61~~

Cal. Check 12-13-61 INST. DEPT.

0 0 0 3 7	Dec 13 7 34 AM '61
0 0 0 0 1	Dec 13 7 19 AM '61
0 0 0 6 3	Dec 13 7 19 AM '61

0 0 0 5 1	Dec 13 12 00 AM '61
0 0 0 4 3	Dec 12 4 00 PM '61
0 0 0 3 2	Dec 12 8 00 AM '61
0 0 0 3 0	Dec 12 12 00 AM '61
0 0 0 3 0	Dec 11 4 00 PM '61
0 0 0 6 7	Dec 11 8 00 AM '61
0 0 0 9 4	Dec 11 12 00 AM '61
0 0 1 2 5	Dec 10 4 00 PM '61
0 0 0 7 4	Dec 10 8 00 AM '61
0 0 0 7 7	Dec 10 12 00 AM '61
0 0 0 6 3	Dec 9 4 00 PM '61
0 0 0 9 0	Dec 9 8 00 AM '61
0 0 0 7 2	Dec 9 12 00 AM '61
0 0 0 3 1	Dec 8 4 00 PM '61

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0 0 0 9 4	Dec 11 12 00 AM '61
0 0 1 2 5	Dec 10 4 00 PM '61
0 0 0 7 4	Dec 10 8 00 AM '61
0 0 0 7 7	Dec 10 12 00 AM '61
0 0 0 6 3	Dec 9 4 00 PM '61
0 0 0 9 0	Dec 9 8 00 AM '61
0 0 0 7 2	Dec 9 12 00 AM '61
0 0 0 3 1	Dec 8 4 00 PM '61

Cal. Check
12-8-61
Inst. Dept

0 0 0 3 5	Dec 8 9 59 AM '61
0 0 0 0 1	Dec 8 9 47 AM '61
0 0 0 0 8	~~Dec 8 9 46 AM '61~~

0 0 0 3 1	Dec 8 8 00 AM '61
0 0 0 4 2	Dec 8 12 00 AM '61
0 0 0 5 5	Dec 7 4 00 PM '61
0 0 0 5 0	Dec 7 8 00 AM '61
0 0 0 5 4	Dec 7 12 00 AM '61
0 0 0 4 0	Dec 6 4 00 PM '61
0 0 0 6 3	Dec 6 8 00 AM '61
0 0 0 5 3	Dec 6 12 00 AM '61
0 0 0 5 7	Dec 5 4 00 PM '61
0 0 0 5 2	Dec 5 8 00 AM '61
0 0 1 3 4	Dec 5 12 00 AM '61
0 0 0 9 8	Dec 4 4 00 PM '61
0 0 1 8 2	Dec 4 8 00 AM '61

0 0 0 3 8	Dec 4 12 00 AM '61

0 0 0 5 5	Dec 7 4 00 PM '61
0 0 0 5 0	Dec 7 8 00 AM '61
0 0 0 5 4	Dec 7 12 00 AM '61
0 0 0 4 0	Dec 6 4 00 PM '61
0 0 0 6 3	Dec 6 8 00 AM '61
0 0 0 5 3	Dec 6 12 00 AM '61
0 0 0 5 7	Dec 5 4 00 PM '61
0 0 0 5 2	Dec 5 8 00 AM '61
0 0 1 3 4	Dec 5 12 00 AM '61
0 0 0 9 8	Dec 4 4 00 PM '61
0 0 1 8 2	Dec 4 8 00 AM '61
0 0 0 3 6	Dec 4 12 00 AM '61
0 0 0 2 5	Dec 3 4 00 PM '61
0 0 0 3 4	Dec 3 8 00 AM '61
0 0 0 3 8	Dec 3 12 00 AM '61
0 0 0 3 4	Dec 2 4 00 PM '61
0 0 0 3 4	Dec 2 8 00 AM '61
0 0 0 5 6	Dec 2 12 00 AM '61
0 0 0 7 9	Dec 1 4 00 PM '61
0 0 1 6 7	Dec 1 8 00 AM '61

Total Act. 80.36 No of Samples 84
Average Act. 0.96 No > P.A.L. 4
% 4.8

K-1410 Soak Tank Run-
Dec '61

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BETA-GAMMA RADIATION AUDIT REPORT

ocation K 1420 MAIN RECOVERY AREA "B" Date 12-26-61

pervisor in Charge _____ Total Work Area 12,650 ft²

Operations in Progress _____

Protective Measures in Force _____

SUMMARY

		This Survey	Last Survey
RADIATION	$\beta+\gamma$ Index	0.43	0.45
	$\beta+\gamma$ Area Factor		
	γ Area Factor		

SPECIFIC LOCATION	7.5 mrep/hr Distance (ft)	Area (ft²) and Class of Radiation $\beta+\gamma$		γ		Reading (mrep/hr) Maximum $\beta+\gamma$	Maximum γ	1 ft. $\beta+\gamma$	1 ft. γ

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS:

Inspector_____ Op. Supervisor _____ Date_____

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BETA-GAMMA RADIATION AUDIT REPORT

Location K1420 MAIN RECOVERY AREA "B" Date 11-30-61

Supervisor in Charge _____ Total Work Area 12,650 ft^2

Operations in Progress _____

Protective Measures in Force _____

SUMMARY

RADIATION		This Survey	Last Survey
	$\beta+\gamma$ Index	0.45	0.46
	$\beta+\gamma$ Area Factor		
	γ Area Factor		

SPECIFIC LOCATION	7.5 mrep/hr Distance (ft)	Area (ft^2) and Class of Radiation $\beta+\gamma$		γ		Reading (mrep/hr) Maximum $\beta+\gamma$	Maximum γ	1 ft. $\beta+\gamma$	1 ft. γ

	Range mrep/hr	Weighting Factor	Total ft^2		
Class I	7.5 - 37.5	1			
Class II	37.5 - 300	5			Maximum Reading $\beta+\gamma$ _____
Class III	300 - 3000	40			
ass IV	> 3000	400			
		Grand Total (ft^2)			

WCX-2067 (10-59) K-25 SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS:

Inspector_____ Op. Supervisor _____ Date_____

BROKEN DOWN & COPIED FROM ORIGINAL

BETA-GAMMA RADIATION AUDIT REPORT

Location K 1420 MAIN RECOVERY AREA - "B" Date 10-27-61

Supervisor in Charge _____ Total Work Area 12,650 ft^2

Operations in Progress _____

Protective Measures in Force _____

SUMMARY

RADIATION		This Survey	Last Survey
	$\beta+\gamma$ Index	0.46	
	$\beta+\gamma$ Area Factor		
	γ Area Factor		

SPECIFIC LOCATION	7.5 mrep/hr Distance (ft)	Area (ft^2) and Class of Radiation $\beta+\gamma$		γ		Reading (mrep/hr) Maximum $\beta+\gamma$	Maximum γ	1 ft. $\beta+\gamma$	1 ft. γ

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS: _____

Inspector _____ Op. Supervisor _____ Date _____

Numbers are copied from original

BETA-GAMMA RADIATION AUDIT REPORT

Location K-1420 OXIDE CONVERSION AREA "E" Date 12-26-61

Supervisor in Charge _____ Total Work Area 2850 ft^2

Operations in Progress _____

Protective Measures in Force _____

SUMMARY

RADIATION		This Survey	Last Survey
	$\beta+\gamma$ Index	1.26	0.42
	$\beta+\gamma$ Area Factor		
	γ Area Factor		

SPECIFIC LOCATION	7.5 mrep/hr Distance (ft)	Area (ft^2) and Class of Radiation $\beta+\gamma$		γ		Reading (mrep/hr) Maximum $\beta+\gamma$	Maximum γ	1 ft. $\beta+\gamma$	1 ft. γ

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS:

Inspector_____ Op. Supervisor _____ Date_____

from original

BETA-GAMMA RADIATION AUDIT REPORT

Location K1420 OXIDE CONVERSION AREA "E" Date 11-30-61

Supervisor in Charge _____ Total Work Area 2850 ft^2

Operations in Progress _____

Protective Measures in Force _____

SUMMARY

		This Survey	Last Survey
RADIATION	$\beta+\gamma$ Index	0.42	0.70
	$\beta+\gamma$ Area Factor		
	γ Area Factor		

SPECIFIC LOCATION	7.5 mrep/hr Distance (ft)	Area (ft^2) and Class of Radiation $\beta+\gamma$		γ		Reading (mrep/hr) Maximum $\beta+\gamma$	Maximum γ	1 ft. $\beta+\gamma$	1 ft. γ

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS: _____

Inspector _____ Op. Supervisor _____ Date _____

Number corrected from original

BETA-GAMMA RADIATION AUDIT REPORT

Location K-1420 OXIDE CONVERSION AREA "E" Date 10-27-61

Supervisor in Charge _____ Total Work Area 2850 ft^2

Operations in Progress _____

Protective Measures in Force _____

SUMMARY

RADIATION		This Survey	Last Survey
	$\beta+\gamma$ Index	0.70	
	$\beta+\gamma$ Area Factor		
	γ Area Factor		

SPECIFIC LOCATION	7.5 mrep/hr Distance (ft)	Area (ft^2) and Class of Radiation $\beta+\gamma$		γ		Reading (mrep/hr) Maximum $\beta+\gamma$	Maximum γ	1 ft. $\beta+\gamma$	1 ft. γ

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS:

Inspector_____ Op. Supervisor_____ Date_____

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BETA-GAMMA RADIATION AUDIT REPORT

Location K-1420 POLVERIZER ROOM Date 11-30-61

Supervisor in Charge _____ Total Work Area 250 ft^2

Operations in Progress _____

Protective Measures in Force _____

SUMMARY

RADIATION		This Survey	Last Survey
	$\beta+\gamma$ Index	7.2	0.00
	$\beta+\gamma$ Area Factor		
	γ Area Factor		

SPECIFIC LOCATION	7.5 mrep/hr	Area (ft^2) and Class of Radiation				Reading (mrep/hr)			
						Maximum		1 ft.	
	Distance (ft)	$\beta+\gamma$		γ		$\beta+\gamma$	γ	$\beta+\gamma$	γ

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS:

Inspector_____ Op. Supervisor _____ Date_____

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BETA-GAMMA RADIATION AUDIT REPORT

Location K-1420 Pulverizer Room Date 10-27-61

Supervisor in Charge _____ Total Work Area 2500 ft^2

Operations in Progress _____

Protective Measures in Force _____

SUMMARY

		This Survey	Last Survey
RADIATION	$\beta+\gamma$ Index	0.00	
	$\beta+\gamma$ Area Factor		
	γ Area Factor		

SPECIFIC LOCATION	7.5 mrep/hr Distance (ft)	Area (ft^2) and Class of Radiation $\beta+\gamma$		γ		Reading (mrep/hr) Maximum $\beta+\gamma$	Maximum γ	1 ft. $\beta+\gamma$	1 ft. γ

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS:

Inspector_____ Op. Supervisor _____ Date_____

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BETA-GAMMA RADIATION AUDIT REPORT

Location K1420 Pulverizer Room Date 12-26-61

Supervisor in Charge _____ Total Work Area 250 ft^2

Operations in Progress _____

Protective Measures in Force _____

SUMMARY

RADIATION		This Survey	Last Survey
	$\beta+\gamma$ Index	3.7	7.7
	$\beta+\gamma$ Area Factor		
	γ Area Factor		

SPECIFIC LOCATION	7.5 mrep/hr Distance (ft)	Area (ft^2) and Class of Radiation				Reading (mrep/hr)			
						Maximum		1 ft.	
		$\beta+\gamma$		γ		$\beta+\gamma$	γ	$\beta+\gamma$	γ

	Range mrep/hr	Weighting Factor				
Class I	7.5 - 37.5	1	Total ft^2			
Class II	37.5 - 300	5				Maximum Reading $\beta+\gamma$ _____
Class III	300 - 3000	40				
lass IV	> 3000	400				
		Grand Total (ft^2)				

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PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS:

Inspector_____ Op. Supervisor _____ Date_____

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BETA-GAMMA RADIATION AUDIT REPORT

Location K-1420 · STORAGE AREA "H" Date 12-26-61

Supervisor in Charge _____ Total Work Area 8400 ft^2

Operations in Progress _____

Protective Measures in Force _____

SUMMARY

		This Survey	Last Survey
RADIATION	$\beta+\gamma$ Index	0.43	0.39
	$\beta+\gamma$ Area Factor		
	γ Area Factor		

SPECIFIC LOCATION	7.5 mrep/hr Distance (ft)	Area (ft^2) and Class of Radiation $\beta+\gamma$		γ		Reading (mrep/hr) Maximum $\beta+\gamma$	Maximum γ	1 ft. $\beta+\gamma$	1 ft. γ

	Range mrep/hr	Weighting Factor	Total ft^2
Class I	7.5 - 37.5	1	
Class II	37.5 - 300	5	
Class III	300 - 3000	40	
lass IV	> 3000	400	
		Grand Total (ft^2)	

Maximum Reading $\beta+\gamma$ _____

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PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS: _____

Inspector _____ Op. Supervisor _____ Date _____

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BETA-GAMMA RADIATION AUDIT REPORT

Location K-1420 STORAGE AREA "H" Date 11-30-61

Supervisor in Charge _____ Total Work Area 8400 ft^2

Operations in Progress _____

Protective Measures in Force _____

SUMMARY

		This Survey	Last Survey
RADIATION	$\beta+\gamma$ Index	0.39	0.46
	$\beta+\gamma$ Area Factor		
	γ Area Factor		

SPECIFIC LOCATION	7.5 mrep/hr Distance (ft)	Area (ft^2) and Class of Radiation $\beta+\gamma$		γ		Reading (mrep/hr) Maximum $\beta+\gamma$	Maximum γ	1 ft. $\beta+\gamma$	1 ft. γ

	Range mrep/hr	Weighting Factor	Total ft^2
Class I	7.5 - 37.5	1	
Class II	37.5 - 300	5	
Class III	300 - 3000	40	
lass IV	> 3000	400	
		Grand Total (ft^2)	

Maximum Reading $\beta+\gamma$ _____

WCX-2067 (10-59) K-25 SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS:

Inspector_____ Op. Supervisor _____ Date_____

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BETA-GAMMA RADIATION AUDIT REPORT

Location K-1420 STORAGE AREA "H" Date 10-27-61

Supervisor in Charge _____ Total Work Area 8400 ft^2

Operations in Progress _____

Protective Measures in Force _____

SUMMARY

RADIATION		This Survey	Last Survey
	$\beta+\gamma$ Index	0.46	
	$\beta+\gamma$ Area Factor		
	γ Area Factor		

SPECIFIC LOCATION	7.5 mrep/hr Distance (ft)	Area (ft^2) and Class of Radiation $\beta+\gamma$		γ		Reading (mrep/hr) Maximum $\beta+\gamma$	Maximum γ	1 ft. $\beta+\gamma$	1 ft. γ

	Range mrep/hr	Weighting Factor	Total ft^2			Maximum Reading $\beta+\gamma$
Class I	7.5 - 37.5	1				
Class II	37.5 - 300	5				
Class III	300 - 3000	40				
lass IV	> 3000	400				
		Grand Total (ft^2)				

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS:

Inspector_____ Op. Supervisor _____ Date_____

ALPHA CONTAMINATION AUDIT REPORT

:ation K 1420 MAIN RECOVERY AREA - "B" Date 12-26-51

Supervisor in Charge J. DYKSTRA Total Work Area 12,650 ft²

Operations in Progress CALCINER, CONTINUOUS DISSOLVER, NICKEL RECOVERY

Protective Measures in Force FILM BADGES, Co Clothing, CONTINUOUS AIR MONITOR RESPIRATORY PROTECTION, WASH FACILITIES

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Surface Index 347X2	694	730
	Area Factor (Total)	98.	98
	Area Factor (Wipe)		

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
SWITCH ROOM (EAST)	600	I			1500	
MAIN FLOOR & CALCINER PLATFORM	4430	I			2000	
" " "	2560	II			10,000	
" " "	752	III			712,500	
MEZZANINE FLOOR & EQUIPMENT	2175	I			2000	
" " "	1420	II			10,000	
" " "	30	III			712,500	
ELEVATOR & SMOKING AREA	272	I			2000	
" "	108	II			8000	
STEPS TO MEZZANINE	85	II			6000	

	Range Surface	(c/m) Wipe	Weighting Factor	Total ft²		
Class 0	*	--	0			
Class I	500-2000	100-500	1		7,477	
Class II	2000-10,000	500-2000	5		4,173	
ss III	> 10,000	> 2000	20		782	
			Grand Total (ft²)		12,432	

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Re Rei. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS:

Inspector J. C. Roman Op. Supervisor E. J. Forrester Date 1-3-62

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ALPHA CONTAMINATION AUDIT REPORT

:ation K-1420 MAIN RECOVERY AREA "B" Date 11-28-62

Supervisor in Charge J. DYKSTRA. Total Work Area 12,650 ft²

Operations in Progress CALCINER, CONTINUOUS DISSOLVER, NICKEL RECOVERY

Protective Measures in Force FILM BADGES Co CLOTHING, CONTINUOUS AIR MONITOR RESPIRATORY PROTECTION, WASH FACILITIES

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Surface Index 365X2	730	838
	Area Factor (Total)	98	98
	Area Factor (Wipe)		

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
SWITCH ROOM (EAST)	600	I			1500	
MAIN FLOOR AND CALCINER PLATFORM	3332	I			2000	
" " " "	3808	II			10,000	
" " " "	448	III			712,500	
MEZZANINE FLOOR AND EQUIPMENT	2246	I			2000	
" " "	1386	II			10,000	
" " "	148	III			712,500	
ELEVATOR & SMOKING ROOM	30	I			2000	
" "	350	II			8000	
STEPS TO MEZZANINE	85	II			8000	

	Range Surface	(c/m) Wipe	Weighting Factor		Surface	Wipe
Class 0	*	–	0	Total ft²		
Class I	500-2000	100-500	1		6208	
Class II	2000-10,000	500-2000	5		5629	
Class III	>10,000	>2000	20		596	
			Grand Total (ft²)		12,433	

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

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WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rer Ret. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume - (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS:

Inspector J. B. Bomar Op. Supervisor E. J. Invester Date 12-4-61

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ALPHA CONTAMINATION AUDIT REPORT

Location K-1420 MAIN RECOVERY AREA "B" Date 10-19-61

Supervisor in Charge J. DYKSTRA Total Work Area 12,650 ft²

Operations in Progress CALCINER, CONTINUOUS DISSOLVER, NICKEL RECOVERY

Protective Measures in Force FILM BADGES, Co CLOTHING, CONTINUOUS AIR MONITOR, RESPIRATORY PROTECTION, WASH FACILITIES

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index 419 X 2	838	
	Area Factor (Total)	98	
	Area Factor (Wipe)		

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
SWITCH ROOM (EAST)	540	I			1500	
MAIN FLOOR & CALCINER PLATFORM	3360	I			2000	
" " "	3606	II			10,000	
" " "	564	III			712,500	
MEZZANINE FLOOR & EQUIPMENT	988	I			2000	
" " "	2710	II			10,000	
" " "	142	III			712,500	
ELEVATOR & SMOKING ROOM	380	II			8000	
STEPS TO MEZZANINE	85	II			8000	

	Range (c/m) Surface	Range (c/m) Wipe	Weighting Factor	Total ft²	
Class 0	*	–	0		
Class I	500-2000	100-500	1	4,888	
Class II	2000-10,000	500-2000	5	6781	
Class III	> 10,000	> 2000	20	706	
			Grand Total (ft²)	12,375	

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rer Rel. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS:

Inspector J R Bonar Op. Supervisor E J Forrester Date 10-31-61

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ALPHA CONTAMINATION AUDIT REPORT

:ation K-1420 MISC. RECOVERY AREA "F" Date 11-28-61

Supervisor in Charge J. DYKSTRA Total Work Area 2450 ft²

Operations in Progress NONE

Protective Measures in Force FILM BADGE, GLOVES

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Surface Index 119KV	238	840
	Area Factor (Total)	94.	96.
	Area Factor (Wipe)		

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
FLOOR & EQUIPMENT	1740	I			2000	
" "	120	II			8000	
MERCURY AND MFL OIL ROOMS	420	I			2000	
	30	II			4000	

	Range (c/m) Surface	Range (c/m) Wipe	Weighting Factor	Total ft²		
Class 0	*	–	0			
Class I	500-2000	100-500	1	2160		
Class II	2000-10,000	500-2000	5	150		
Class III	>10,000	>2000	20	—		
			Grand Total (ft²)	2310		

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

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WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rer Rer. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
SUMMARY:	No. > P.A.L.	-	-					
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
SUMMARY: Air Samples	No. Taken		For _ Samples > P.A.L.		Total	Total
	No. > P.A.L.					
	% > P.A.L.				%	Average

REMARKS:

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Inspector J. B. Bonner Op. Supervisor E. J. Forrester Date 12-4-61

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ALPHA CONTAMINATION AUDIT REPORT

:ation K-1420 MISC. RECOVERY AREA "F" Date 12-26-51

Supervisor in Charge J. DYKSTRA Total Work Area 2450 ft^2

Operations in Progress NONE

Protective Measures in Force FILM BADGE, GLOVES

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Surface Index 122 XV	244	238
	Area Factor (Total)	76.	94
	Area Factor (Wipe)		

SPECIFIC LOCATION	Area (ft^2) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
FLOOR AND EQUIPMENT	1320	I			2000	
" "	110	II			8000	
MERCURY AND MFG OIL ROOMS	282	I			2000	
	168	II			5000	

	Range Surface	(c/m) Wipe	Weighting Factor	Total ft^2		
Class 0	*	–	0			
Class I	500-2000	100-500	1	1602		
Class II	2000-10,000	500-2000	5	278		
Class III	>10,000	>2000	20	—		
			Grand Total (ft^2)	1880		

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rel Rel. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS:

Inspector J. B. Bonner Op. Supervisor E. J. Frisetw Date 1-3-62

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ALPHA CONTAMINATION AUDIT REPORT

:ation K-1420 Misc. Recovery Area "F" Date 10-19-61

Supervisor in Charge J. Dykstra Total Work Area 2450 ft^2

Operations in Progress NONE

Protective Measures in Force Film Badge, Gloves

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Surface Index 420X2	870	
	Area Factor (Total)	96.	
	Area Factor (Wipe)		

SPECIFIC LOCATION	Area (ft^2) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Floor and Equipment	638	I			2000	
" "	1255	II			10,000	
" "	87	III			712,500	
Mercury and MFL Oil Room	67	I			2000	
	315	II			5000	

	Range Surface	(c/m) Wipe	Weighting Factor	Total ft^2		
Class 0	*	–	0			
Class I	500-2000	100-500	1	705		
Class II	2000-10,000	500-2000	5	1570		
Class III	> 10,000	> 2000	20	87		
			Grand Total (ft^2)	2362		

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

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WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rer Ret. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS:

Inspector J. B. Lomer Op. Supervisor E. J. Forester Date 10-31-61

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ALPHA CONTAMINATION AUDIT REPORT

:ation K 1420 OXIDE CONVERSION AREA "E" Date 12-26-61

Supervisor in Charge J. DYKSTRA. Total Work Area 2850 ft^2

Operations in Progress FLUORINATION, COLD TRAPPING, ASH REMOVAL.

Protective Measures in Force FILM BADGE, CO. CLOTHING, CONTINUOUS AIR MONITORS RESPIRATORY EQUIPMENT, WASH FACILITIES

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Surface Index 379X2	758	878
	Area Factor (Total)	98.	97
	Area Factor (Wipe)		

SPECIFIC LOCATION	Area (ft^2) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
FLOOR AND EQUIPMENT	1187	I			2000	
" "	1289	II			10,000	
" "	104	III			712,500	
TOWER ROOM	215	II			10,000	

	Range (c/m) Surface	Range (c/m) Wipe	Weighting Factor	Total ft^2		
Class 0	*	–	0			
Class I	500-2000	100-500	1	1187		
Class II	2000-10,000	500-2000	5	1504		
ıss III	> 10,000	> 2000	20	104		
			Grand Total (ft^2)	2795		

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

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PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rel Rel. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS:

Inspector J. B. Bomar Op. Supervisor E. J. Forrester Date 1-3-67

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ALPHA CONTAMINATION AUDIT REPORT

:ation K-1420 OXIDE CONVERSION AREA "E" Date 11-28-60

Supervisor in Charge J. DYKSTRA Total Work Area 2850 ft^2

Operations in Progress FLUORINATION, Co/O TRAPPING, ASH REMOVAL

Protective Measures in Force FILM BADGE, Co CLOTHING, CONTINUOUS AIR MONITORS, RESPIRATORY EQUIPMENT, WASH FACILITIES

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Surface Index 439 X 2	878	968
	Area Factor (Total)	97.	98
	Area Factor (Wipe)		

SPECIFIC LOCATION	Area (ft^2) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
FLOOR AND EQUIPMENT	1020	I			2000	
" "	1380	II			10,000	
" "	180	III			713,500	
TOWER ROOM	200	II			10,000	

	Range Surface	Range (c/m) Wipe	Weighting Factor			
Class 0	*	–	0	Total ft^2		
Class I	500-2000	100-500	1		1020	
Class II	2000-10,000	500-2000	5		1580	
Class III	> 10,000	> 2000	20		180	
			Grand Total (ft^2)		2780	

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rer Rei. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.					
	% > P.A.L.				%	Average

REMARKS:

Inspector J B Bonar Op. Supervisor E J Ferreate Date 12-4-61

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ALPHA CONTAMINATION AUDIT REPORT

.ation K-1420 OXIDE CONVERSION AREA "E" Date 10-19-61

Supervisor in Charge J. DYKSTRA Total Work Area 2850 ft^2

Operations in Progress FLUORINATION, COLD TRAPPING, ASH REMOVAL

Protective Measures in Force FILM BADGE, Co Clothing, CONTINUOUS AIR MONITOR RESPIRATORY PROTECTION, WASH FACILITIES

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Surface Index 484X2	968	
	Area Factor (Total)	98.	
	Area Factor (Wipe)		

SPECIFIC LOCATION	Area (ft^2) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
FLOOR AND EQUIPMENT	875	I			2000	
" "	1480	II			10,000	
" "	225	III			72,500	
TOWER ROOM	200	II			10,000	

	Range Surface	Range (c/m) Wipe	Weighting Factor			
Class 0	*	–	0	Total ft^2		
Class I	500-2000	100-500	1		875	
Class II	2000-10,000	500-2000	5		1680	
Class III	> 10,000	> 2000	20		225	
			Grand Total (ft^2)		2780	

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

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WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Re Re. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS:

Inspector J. R. Lomax Op. Supervisor E. J. Forrester Date 10-31-61

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ALPHA CONTAMINATION AUDIT REPORT

:ation K-1420 PULVERIZER ROOM Date 11-28-61

Supervisor in Charge J. DYKSTRA Total Work Area 250 ft^2

Operations in Progress NONE

Protective Measures in Force MANDATORY RESPIRATOR AREA - CONTINUOUS AIR MONITOR, FILM BADGES, WASH FACILITIES, Co Clothing

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Surface Index 1460X2	2920	3520
	Area Factor (Total)	100	100
	Area Factor (Wipe)		

SPECIFIC LOCATION	Area (ft^2) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
FLOOR & EQUIPMENT	90	II			10,000	
" "	160	III			712,500	

	Range Surface	(c/m) Wipe	Weighting Factor	Total ft^2				
Class 0	*	–	0					
Class I	500-2000	100-500	1					
Class II	2000-10,000	500-2000	5		90			
ıss III	> 10,000	> 2000	20		160			
			Grand Total (ft^2)		250			

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

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PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Re Rel. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS:

Inspector J. B. Brown Op. Supervisor E. J. Fraser Date 12-4-61

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ALPHA CONTAMINATION AUDIT REPORT

:ation K-1420 PULVERIZER [redacted] ROOM Date 10-19-61

Supervisor in Charge J. DYKSTRA Total Work Area 250 ft^2

Operations in Progress NONE

Protective Measures in Force MANDATORY RESPIRATOR AREA, CONTINUOUS AIR MONITOR, FILM BADGES, WASH FACILITIES, Co Clothing

SUMMARY:

		This Survey	Last Survey
ALPHA Surface CONTAMINATION	Index 1760 KV	3520	
	Area Factor (Total)	100	
	Area Factor (Wipe)		

SPECIFIC LOCATION	Area (ft^2) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
FLOOR AND EQUIPMENT	40	II			10,000	
" " "	210	III			712,500	

	Range Surface	Range (c/m) Wipe	Weighting Factor		Surface	Wipe
Class 0	*	–	0	Total ft^2		
Class I	500-2000	100-500	1			
Class II	2000-10,000	500-2000	5		40	
ıss III	> 10,000	> 2000	20		210	
				Grand Total (ft^2)	250	

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Re Re. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS:

Inspector J B Rimow Op. Supervisor E J Forrester Date 10-31-61

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ALPHA CONTAMINATION AUDIT REPORT

:ation K1420 PULVERIZER ROOM Date 12-26-61

Supervisor in Charge J. DYKSTRA Total Work Area 250 ft²

Operations in Progress NONE AT TIME OF SURVEY

Protective Measures in Force MANDATORY RESPIRATOR AREA CONTINUOUS AIR MONITOR, FILM BADGES, WASH FACILITIES, Co Clothing

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Surface Index 2000 K γ	4000	2920
	Area Factor (Total)	100	100
	Area Factor (Wipe)		

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
FLOOR AND EQUIPMENT	250	III			>13,500	

	Range Surface	(c/m) Wipe	Weighting Factor					
Class 0	*	–	0	Total ft²				
Class I	500-2000	100-500	1					
Class II	2000-10,000	500-2000	5					
ıss III	>10,000	>2000	20		250			
			Grand Total (ft²)		250			

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rer Rei No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
SUMMARY:	-No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS:

Inspector J. E. Rennard / W. E. Mansfield Op. Supervisor E. J. Fornelius Date 1-30-62

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ALPHA CONTAMINATION AUDIT REPORT

:ation K1420 STORAGE AREA "H" Date 10-19-61

upervisor in Charge J. DYKSTRA Total Work Area 8400 ft²

Operations in Progress CHARGING OXIDE, Storage

Protective Measures in Force Film BADGE, RESPIRATORS, RADIATION Alarm Co. Clothing

SUMMARY:

		This Survey	Last Survey
ALPHA Surface CONTAMINATION	Index 383 X 2	766	
	Area Factor (Total)	97.	
	Area Factor (Wipe)		

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Floor & Equipment	3640	I			2000	
" "	3400	II			10,000	
" "	320	III			712,500	
Steps & Platform	36	I			2000	
" "	54	II			10000	
" "	90	III			712,500	
Switch Room (West)	600	II			6000	

	Range Surface	(c/m) Wipe	Weighting Factor	Total ft²		
Class 0	*	–	0			
Class I	500-2000	100-500	1		3676	
Class II	2000-10,000	500-2000	5		4054	
ss III	> 10,000	> 2000	20		410	
			Grand Total (ft²)		8140	

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

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WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Re Re. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS:

Inspector J. B. Brown Op. Supervisor E. J. Forrester Date 10-31-61

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ALPHA CONTAMINATION AUDIT REPORT

:ation K1420 STORAGE AREA "H" Date 12-26-61

Supervisor in Charge J. DYKSTRA Total Work Area 8400 ft²

Operations in Progress CHARGING OXIDE, STORAGE

Protective Measures in Force FILM, BADGE, RESPIRATORS, RADIATION ALARMS, Co Clothing

SUMMARY:

		This Survey	Last Survey
ALPHA Surface CONTAMINATION	Index 349X2	698	732
	Area Factor (Total)	98.	90
	Area Factor (Wipe)		

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
FLOOR AND EQUIPMENT	3,856	I			2000	
" "	3,408	II			10,000	
" "	240	III			712,500	
STEPS & PLATFORMS	144	II			10,000	
" "	36	III			712,500	
SWITCH ROOM (WEST)	200	I			2000	
	400	II			6,000	

	Range Surface	(c/m) Wipe	Weighting Factor	Total ft²			
Class 0	*	–	0				
Class I	500-2000	100-500	1		4,056		
Class II	2000-10,000	500-2000	5		3,952		
ss III	>10,000	>2000	20		276		
			Grand Total (ft²)		8284		

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

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WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rer Rei. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS:

Inspector J. B. Bowman Op. Supervisor E J Forrester Date 1-3-62

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ALPHA CONTAMINATION AUDIT REPORT

Location K-1420 STORAGE AREA "H" Date 11-28-61

Supervisor in Charge J. DYKSTRA Total Work Area 8400 ft²

Operations in Progress CHARGING OXIDE, STORAGE

Protective Measures in Force FILM BADGE, RESPIRATORS, RADIATION ALARM, Co Clothing

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Surface Index 366 X 2	732	766
	Area Factor (Total)	90.	97
	Area Factor (Wipe)		

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
FLOOR & EQUIPMENT	2970	I			2000	
" "	3510	II			10,000	
" "	315	III			712,500	
STEPS & PLATFORMS	165	II			10,000	
" "	15	III			712,500	
SWITCH ROOM (WEST)	60	I			2000	
" "	540	II			6,000	

	Range Surface	Range (c/m) Wipe	Weighting Factor	Total ft²	
Class 0	*	–	0		
Class I	500-2000	100-500	1	3,030	
Class II	2000-10,000	500-2000	5	4,215	
Class III	> 10,000	> 2000	20	330	
			Grand Total (ft²)	7575	

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rer Rer. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS:

Inspector J. B. Roman Op. Supervisor E. J. Forrestie Date 12-4-61

Copy WEM 2-7-62

To: Mr A. F. Becker

SUB: Electrical Equipment "H" area K1420

DATE 12-27-61

Reply Message

FOLD

MESSAGE

N. D. Becker and myself looked at the electrical relaying gear on a refrigeration unit for "H" area K1420. It is felt that it would be acceptable from a safety standpoint however, it was suggested that a rubber gasket be placed between the box and its cover and additional hold down screws be provided to prevent inleakage of water. This information will be forwarded to George Doyle of Engineering

SIGNED W. E. Muldrew.

DATE OF REPLY

REPLY TO

REPLY

file - special survey
K1420 - Electrical Equipment

SIGNED

RECIPIENT

[illegible] 1-4-62
[illegible]

Barbara with
smaller areas 2-7-62

ALPHA CONTAMINATION AUDIT REPORT

ation K-1420 Recovery Area - (5004) Date 12-26-61
--pervisor in Charge L Dykstra - Total Work Area 26,500 ft²
Operations in Progress maint & repair on valve & line for solution recovery - general clean up of nickel powder - preparation for start up & maint on continuous dissolver & nickel recovery - start up "B" area -
Protective Measures in Force respirators, film badges, gloves, air sampling, wash & lunch room facilities

SUMMARY:

ALPHA CONTAMINATION		This Survey	Last Survey
	Surface Index 346 x 2	692.	724.
	Area Factor (Total)	92.	96
	Area Factor (Wipe)		

SPECIFIC LOCATION	Area (ft²) and Class of Contamination: Surface		Wipe		Maximum Reading (c/m): Surface	Wipe
Switch Rm - (East) floor & equip.	600	I			1500	
"B" Area - main floor, & calcining platform	4400	I			2000	
" " " " " " "	2560	II			10000	
" " " " " " "	754	III			>12500	
"B" Area - steps -	85	II			6000	
"B" Area - mezzanine floor & equip -	2175	I			2000	
" " " " " "	1420	II			10000	
" " " " " "	30	III			>12500	
"H" Area - floor, equip, & dollies -	3856	I			2000	
" " " " " "	3408	II			10000	
" " " " " "	240	III			>12500	
Steps to "H" Area	144	II			10000	
" " " "	36	III			>12500	
Switch Room (west) floor & equip.	200	I			2000	
" " (") " " "	400	II			6000	
Smoking Area - (floor & table) & Elevator	272	I			2000	
" " " " " "	108	II			8000	
Rod Mill & Tower Rms -	215	II			10000	
" " " " "	235	III			>12500	
"E" Area - floor & equip -	1187	I			2000	
" " " " "	1289	II			10000	
" " " " "	104	III			>12500	
MEK Oil & Mercury Recovery	282	I			2000	
" " " " "	168	II			5000	
Misc. Recovery - "F" Area	1320	I			2000	
" " " "	110	II			8000	

	Range Surface	(c/m) Wipe	Weighting Factor	Total ft²
Class 0	*	–	0	
Class I	500-2000	100-500	1	14292
Class II	2000-10,000	500-2000	5	9907
ss III	> 10,000	> 2000	20	1397
			Grand Total (ft²)	25596

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Re Rev. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

See Attached Sheet

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

NOTE TAKEN

REMARKS: Levels remain about the same. Picked a bit of nickel powder on floor at time of survey.

Inspector [signature] Op. Supervisor [signature] Date 1-3-62

J. B. Kennan 12-27-61

BETA-GAMMA RADIATION AUDIT REPORT

Location: K-1420 Recovery Area (5004) Date: 12-26-61

Supervisor in Charge: J. Dyckman Total Work Area: 26,500 ft²

Operations in Progress: Start up of "E" Area - Vacuum equip - General clean up -

Protective Measures in Force: Respirators, film badges, gloves, lunch & wash room facilities

SUMMARY

RADIATION		This Survey	Last Survey
	β+γ Index	0.47	0.47
	β+γ Area Factor	0.36	0.37
	γ Area Factor	0.0	0.0

SPECIFIC LOCATION	7.5 mrep/hr Distance (ft)	Area (ft²) and Class of Radiation β+γ		γ		Reading (mrep/hr) Maximum β+γ	Maximum γ	1 ft. β+γ	1 ft. γ
"H" Area - Storage									
Gearing / Matl - Around Tower	.25	4	I	<PAL.		14	—	3	—
Buckets, and Al-Cubes Safe Cons -	.3	37	I	1	I	35.	17	3	1.5
"B" Area - Maintenance									
Dissolver "B" 3 -	1.5	8	II	<PAL		70		14	
" " "		8	I	<PAL.		37.5			
Continuous Dissolver	.3	8	I	<PAL		16		2.	
Grinding Room -									
material in kettle & on equip -	.5	1	II	<PAL.		65		4	
" " " " "		3	I			37.5			
Tower Room -									
material around Receiver	2.5	4	II	<PAL.		200		40	
" " "		16	I			37.5			
"B" Area - Main Floor -									
Pump at Continuous Dissolver	1.	4	I			15.		7.5	
Drum Drawers - Calciner Group -	.2	6	I			12		1.	
Pumps at Col - A-15	1.5	8	I			30		15.	

	Range mrep/hr	Weighting Factor	Total ft²	β+γ	γ
Class I	7.5 - 37.5	1		89	1
Class II	37.5 - 300	5		7	0
Class III	300 - 3000	40		0	0
Class IV	> 3000	400		0	0
		Grand Total (ft²)		96	1

Maximum Reading β+γ: 44 40.

WCX-2067 (10-53) K-25 SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem. Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

Sent to Health Phys. Alpha

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

None Taken

REMARKS: Levels Remain the Same

Inspector [signature] Op. Supervisor [signature] Date 1-3-62

Dist. 22 Files

BETA-GAMMA RADIATION AUDIT REPORT

(5093)

Location K-1420 Small Parts Decontamination Date 12-12-61

Supervisor in Charge J. Dykstra Total Work Area 18,700 ft²

Operations in Progress Cleaning misc. equip at floor pan, Vapor blasting small parts

Protective Measures in Force Film badges, gloves, wash & lunch room facilities

SUMMARY

RADIATION		This Survey	Last Survey
	β+γ Index	0.03	0.09
	β+γ Area Factor	0.01	0.04
	γ Area Factor		0.0

SPECIFIC LOCATION	7.5 mrep/hr Distance (ft)	Area (ft²) and Class of Radiation β+γ		γ		Reading (mrep/hr) Maximum β+γ	Maximum γ	1 ft. β+γ	1 ft. γ
Material on Table A-77	5	1	II			55		2.	
		1	I			375			

	Range mrep/hr	Weighting Factor	Total ft² β+γ	γ
Class I	7.5 - 37.5	1	1	0
Class II	37.5 - 300	5	1	0
Class III	300 - 3000	40	0	0
Class IV	> 3000	400	0	0
		Grand Total (ft²)	2	0

Maximum Reading β+γ 44. 2.

WCX-2067 (10-53) K-25 SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem. Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
SUMMARY: No. > P.A.L.								
No. Checked								
% Total Checks > P.A.L.								

NONE checked

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$

SUMMARY: Air Samples							
		No. Taken		For Samples > P.A.L.	Total		Total
		No. > P.A.L.			%		Average
		% > P.A.L.					

NONE TAKEN

REMARKS: Levels Remain low.

Inspector [signature] Op. Supervisor [signature] Date 1-3-62

Dwg 1-4-60
@ 7 Jan

ALPHA CONTAMINATION AUDIT REPORT

Location K-1420 Small Tools Decontam (5006) Date 12-12-61
Supervisor in Charge J. Dykstra Total Work Area 700 ft²
Operations in Progress Routine decontaminating

Protective Measures in Force Respirators, film badges, gloves, lunch & wash room facilities

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Surface Index	1.5	3.172
	Area Factor (Total)	100	100
	Area Factor (Wipe)		

SPECIFIC LOCATION	Area (ft²) and Class of Contamination: Surface		Wipe		Maximum Reading (c/m): Surface	Wipe
Tools & benches (floor)	10	I			3000	
" " "	10	II			10000	
" " "	50	III			>10x10³	
Floor (floor)	150	I			2000	
" " "	360	II			10000	
	170	III			>10x10³	

	Range Surface	(c/m) Wipe	Weighting Factor			
Class 0	*	–	0	Total ft²		
Class I	500-2000	100-500	1		160	
Class II	2000-10,000	500-2000	5		370	
Class III	> 10,000	> 2000	20		170	
			Grand Total (ft²)		700	

Exp < P.A.L.

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

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WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

See attached sheet

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

None taken

REMARKS: Decrease due to clean up - and less work on dismantling small parts.

Inspector [signature] Op. Supervisor [signature] Date 1-3-62

14-70 Small Pools Dismantling

		1769	Dismantling Seals -	71700	0.90	71700	0.0	10008	0.0	71700	0.07	

Reported to Foreman - 12-12-61

J H Bowman 12-12-61

Bldg. #-4-00
Office

ALPHA CONTAMINATION AUDIT REPORT

Location K-1420 Offices & Facilities (5009) Date 12-12-61
Supervisor in Charge J. Dykstra Total Work Area 9,400 ft²
Operations in Progress Routine office work

Protective Measures in Force Routine cleaning

SUMMARY:

ALPHA CONTAMINATION		This Survey	Last Survey
Surface	Index 86XY	172.	117.
	Area Factor (Total)	35.	31.
	Area Factor (Wipe)		

SPECIFIC LOCATION	Area (ft²) and Class of Contamination: Surface		Wipe		Maximum Reading (c/m): Surface	Wipe
Hallway from Receiving Area - E & W.	30	I			2000	
" " " " "	230	II			8000	
" North & South -	340	I			2000	
" " " "	760	II			8000	
Walkway in Locker Rms -	135	I			2000	
" " " "	225	II			4000	
West Locker Rm - Floor & Locker Seats	180	I			2000	
" " " " "	360	II			7500	
Wash Room - (west) Floor	126	I			2000	
" " " "	54	II			4000	
Both Rms. outside Showers	128	I			2000	
" " " "	16	II			3000	
Wash Rm (east) Floor -	156	I			2000	
" " " "	12	II			2500	
East Locker Rm. Floor & Locker Seats	386	I			2000	
" " " " " "	100	II			4000	
Personal Clothing Storage & Custodian Supply Rm	120	I			1700	
Exterior E. Locker Rm & Storage (Cloth) Area	396	I			3000	
" " " " "	36	II			4000	
Clocking Alley - Floor	86	I			800	
Office Section - Floor & equip.					<P.A.L.	
Hallway - E & W - Office Section	36	I			1700	
Wash Rm (men) Office Section	18	I			1700	
" " (women) " "					<P.A.L.	

	Range (c/m) Surface	Range (c/m) Wipe	Weighting Factor	Total ft²		
Class 0	*	–	0			
Class I	500-2000	100-500	1		2125	
Class II	2000-10,000	500-2000	5		1193	
Class III	> 10,000	> 2000	20		0	
			Grand Total (ft²)		3318	

Bldg <P.A.L.

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		

BLOOM-4-00
Files

ALPHA CONTAMINATION AUDIT REPORT

Location K-1420 Lunch Room- (5008) Date 12-7-61
Supervisor in Charge J. Dykstra- Total Work Area 1000 ft²
Operations in Progress Routine Cleaning

Protective Measures in Force

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Surface Index 54 & 2	108.	216.
	Area Factor (Total)	41.	78.
	Area Factor (Wipe)		

SPECIFIC LOCATION	Area (ft²) and Class of Contamination: Surface		Wipe		Maximum Reading (c/m): Surface	Wipe
Tables-						
Tops-					200	
Seats-	46	I			400	
Floor Area-	340	I			2000	
" "	32	II			3000	

	Range Surface	Range (c/m) Wipe	Weighting Factor		Surface	Wipe	Maximum Reading
Class 0	*	–	0	Total ft²			Both < P.A.L.
Class I	500-2000	100-500	1		380		
Class II	2000-10,000	500-2000	5		32		
Class III	>10,000	>2000	20		0		
			Grand Total (ft²)		412		

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Ren Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		

Files 1244

90 II

ALPHA CONTAMINATION AUDIT REPORT

Location: K-1420 Recovery Area - (5004) Date: 11-28-61

Supervisor in Charge: T. Dykstra - Total Work Area: 26,500 ft²

Operations in Progress: Calciners in operation. Continuous dissolver, trans ferring solution and operating area -

Protective Measures in Force: Respirators, film badges, gloves, air sampling, wash & wash room facilities.

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Surface Index 362 x 2	724	856
	Area Factor (Total)	96	98
	Area Factor (Wipe)		

SPECIFIC LOCATION	Area (ft²) and Class of Contamination: Surface		Wipe		Maximum Reading (c/m): Surface	Wipe
Switch Room - (east) floor & equip -	600	I			1100	
"B" Area - Main floor, & catwalk platform	3357	I			2000	
" " " " " " "	3808	II			10000	
" " " " " " "	448	III			712700	
"B" Area - Steps - (854)	85	II			8000	
"B" Area - Mezzanine floor & equip	2246	I			2000	
" " " " " "	1386	II			10000	
" " " " " "	148	III			712700	
"H" Area - floor, equip & dollies -	2970	I			2000	
" " " " " "	3510	II			10000	
" " " " " "	315	III			712700	
Steps to "H" Area -	765	II			10000	
" " " "	15	III			712700	
Switch Room - (west) floor & equip -	60	I			2000	
" " " " " "	540	II			6000	
Smoking Area - floor & equip (elevator)	30	I			2000	
" " " " " " " "	350	II			8000	
Rod Mill & Tower Rooms -	790	II			10000	
" " " " "	160	III			712700	
"E" Area - floor & equip -	1070	I			2000	
"E" " " " " "	1380	II			10000	
"E" " " " "	180	III			712700	
Mercury & MEL oil Recovery Rms.	420	I			2000	
" " " " " "	30	II			4000	
Misc Recovery Rms - "F" Area	1740	I			2000	
	170	II			8000	

	Range (c/m) Surface	Wipe	Weighting Factor	Total ft²
Class 0	*	-	0	
Class I	500-2000	100-500	1	12418
Class II	2000-10,000	500-2000	5	11664
Class III	>10,000	>2000	20	1266
			Grand Total (ft²)	25348

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
None checked								
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
None taken						
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS: Decreases in levels due to painting in "H" Area and nickel powder being on floor in parts of other areas.

Inspector E. B. [illegible] Op. Supervisor E. J. Forrester Date 12-4-61

Dwem file

BETA-GAMMA RADIATION AUDIT REPORT

Location: K-1420 Recovery Area - (5004) Date: 11-30-'61

Supervisor in Charge: J. Dykstra Total Work Area: 26,500 ft²

Operations in Progress: Cabinets operating, continuous dissolver, and "E" area -

Protective Measures in Force: Film badges, gloves, respirators, lunch & wash room facilities.

SUMMARY

RADIATION		This Survey	Last Survey
	β+γ Index	0.47	0.40
	β+γ Area Factor	0.37	0.31
	γ Area Factor	0.6	0.0

SPECIFIC LOCATION	7.5 mrep/hr Distance (ft)	Area (ft²) and Class of Radiation β+γ		γ		Reading (mrep/hr) Maximum β+γ	Maximum γ	1 ft. β+γ	1 ft. γ
"B" Area -									
Calinders & Drum Dryers	.7	17	I	<P.B.L.		20		3.	
Pumps at Col-B-15 -	1.5	10	I	<P.B.L.		35		14.	
Pump at Continuous Dissolver	0.8	1	II	<P.B.L.		60		6	
" " " "		3	I			37.5			
"B" Area Mezzanine									
Continuous Dissolver	0.5	6	I	<P.B.L.		17		3.	
Dissolver "B"-3 -	1.5	1	II	<P.B.L.		17		14.	
" " "		6	I			37.5			
"U" Area - Storage									
Opening for charging tower	.5	3	I	<P.B.L.		17.		4	
Buckets, drums - etc.	1.7	30	I	2	I	35	18	10	5
Tower Rm -									
Tower - & motor on floor	1.0	17	I	<P.B.L.		20		8	
Operating Room -									
Motor on floor & equip.	7.0	1	II	<P.B.L.		70		18	
" " " " "		13	I			37.5			

	Range mrep/hr	Weighting Factor	Total ft²		
Class I	7.5 - 37.5	1	95	2	
Class II	37.5 - 300	5	3	0	Maximum Reading β+γ 44. 18.
Class III	300 - 3000	40	0	0	
Class IV	> 3000	400	0	0	
		Grand Total (ft²)	98	2	

WCX-2067 (10-53) K-25 SAFETY AND HEALTH PHYSICS

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PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem. Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS: Leak Repair approximately the same.

Inspector [signature] Op. Supervisor [signature] Date 12-4-61

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(Two in E File)

WEM
11-28-61

ALPHA CONTAMINATION AUDIT REPORT

(5005)

ation K-1420 Small Parts Decontamination Date 11-16-61

pervisor in Charge H. Dykstra Total Work Area 18,700 ft²

Operations in Progress Routine cleaning small parts at Blastoe and Floor pan.

Protective Measures in Force film badges, gloves, lunch & wash room facilities

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Surface Index 183X2	366.	224
	Area Factor (Total)	80.	57.
	Area Factor (Wipe)		

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Col-#32 to Col #37 floor & equip	1008	I			2000	
" " " " " "	144	II			10000	
Col #16 to Col #32 floor & equip	3312	I			2000	
" " " " " " "	1052	II			10000	
" " " " " "	148	III			312500	
Col-10 to Col #16 floor & equip	3612	I			2000	
" " " " " "	1292	II			10000	
" " " " " "	38	III			312500	
Col-#1 to Col #10 floor & equip	3612	I			2000	
" " " " " " "	924	II			10000	
" " " " " " "	42	III			312500	
Wash Room (West) & Gammagraph Rm.	234	I			2000	
" " " " " "	166	II			4000	

	Range Surface	(c/m) Wipe	Weighting Factor	Total ft²				
Class 0	*	–	0					
Class I	500-2000	100-500	1		10778			
Class II	2000-10,000	500-2000	5		3578			
ss III	> 10,000	> 2000	20		228			
			Grand Total (ft²)		14584			

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr) Hands	Shoes Personal	Shoes Issue	Clothing Personal	Clothing Issue	Gloves	Re-Re. No.
		500		2500		21750		
		2500		2500		4750		
SUMMARY: 4 No. > P.A.L.		1		1		1		
6 No. Checked		2		2		2		
67 % Total Checks > P.A.L.								

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
TRAN.						
PAPE						
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS: [illegible] noted the [illegible] the [illegible] [illegible] contaminants found [illegible] [illegible] [illegible] platform, probably resulting from [illegible] [illegible] area with noted increase [illegible] around the small parts disassembling area. No painting has been done in this area recently

Inspector [illegible] Op. Supervisor E. J. Jarrett Date 11-16-61

BETA-GAMMA RADIATION AUDIT REPORT

(5005)

Location K-1420 Small Parts Decontamination Date 11-16-'61

Supervisor in Charge J. Dykstra Total Work Area 18,700 ft²

Operations in Progress Cleaning misc equip at floor pan - vapor blasting small parts

Protective Measures in Force Film badges, gloves, wash/lunch room facilities

SUMMARY

RADIATION		This Survey	Last Survey
	β+γ Index	0.09	0.71
	β+γ Area Factor	0.04	0.55
	γ Area Factor	0.0	0.0

SPECIFIC LOCATION	7.5 mrep/hr Distance (ft)	Area (ft²) and Class of Radiation β+γ		γ		Reading (mrep/hr) Maximum β+γ	Maximum γ	1 ft. β+γ	1 ft. γ
Transfer Trough at floor pan	2'	2	II			70		14.	
		6	I			37.5			

	Range mrep/hr	Weighting Factor	Total ft²	β+γ	γ
Class I	7.5 - 37.5	1		6	
Class II	37.5 - 300	5		2	
Class III	300 - 3000	40		0	
Class IV	>3000	400		0	
		Grand Total (ft²)		8	

Maximum Reading β+γ 14

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem. Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
See Alpha Report								
SUMMARY: No. > P.A.L.								
SUMMARY: No. Checked								
SUMMARY: % Total Checks > P.A.L.								

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
See Alpha Report						
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS: Decrease due to readings < P.A.L. at filter gen.

Inspector J B Bonner Op. Supervisor E J Forrester Date 12-4-61

WEM
11-28-61

ALPHA CONTAMINATION AUDIT REPORT

ation K-1420 Small Parts Dismantling (5006) Date 11-16-61
pervisor in Charge W. Durstra Total Work Area 700 ft²
Operations in Progress Routine Dismantling

Protective Measures in Force Respirators, film badges, gloves, lock & wash room, coveralls

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Surface Index 1086 X γ	2172	340.
	Area Factor (Total)	100.	70
	Area Factor (Wipe)		

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Tables & Benches - (7.4 ft²)	20	II			10000	
" " " (4)	50	III			7/12500	
Floor Area - (635 ft²)	100	I			2000	
	200	II			10000	
	250	III			7/12500	

	Range Surface	(c/m) Wipe	Weighting Factor			
Class 0	*	–	0	Total ft²		
Class I	500-2000	100-500	1		100	
Class II	2000-10,000	500-2000	5		500	
ss III	> 10,000	> 2000	20		500	
			Grand Total (ft²)		700	

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

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PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Re-Re. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
		40		4400		300	500	
		3500		7/2500		3000	7/2100	
SUMMARY: 3 No. > P.A.L.		1		2		0		X
6 No. Checked		2		2		2		
50 % Total Checks > P.A.L.								

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
TREND						
AREA						
SUMMARY: Air Samples	No. Taken	X	For Samples > P.A.L.		Total	X Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS: Rise in levels due to increased work activities
Area will be decontaminated.

Inspector [signature] Op. Supervisor [signature] Date 11-16-61

ALPHA CONTAMINATION AUDIT REPORT

ation K-1420 Lunch Room (5008) Date 11-16-61

pervisor in Charge H. Dykstra Total Work Area 1000 ft²

Operations in Progress Routine Cleaning

Protective Measures in Force

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Surface Index x γ	3.16	1.2
	Area Factor (Total)	75	55
	Area Factor (Wipe)		

SPECIFIC LOCATION	Area (ft²) and Class of Contamination: Surface		Wipe		Maximum Reading (c/m): Surface	Wipe
Tables						
Tops					300	
Legs	211	I			1500	
Floor Pedestal	675	I			2000	
" "	75	II			6000	

	Range Surface	(c/m) Wipe	Weighting Factor		Surface	Wipe
Class 0	*	–	0	Total ft²		
Class I	500-2000	100-500	1		759	
Class II	2000-10,000	500-2000	5		75	
ss III	> 10,000	> 2000	20		0	
			Grand Total (ft²)		754	

P. + J. R.P.

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Re-Re. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

NONE CHECKED

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$

SUMMARY:	Air Samples		No. Taken		For Samples > P.A.L.	Total		Total
			No. > P.A.L.			%		Average
			% > P.A.L.					

NONE TAKEN

REMARKS: Increase in levels due to tracking.

Inspector [illegible] Op. Supervisor [illegible] Date 12-4-61

ALPHA CONTAMINATION AUDIT REPORT (5003)

ation K-1420 Large Equip. Decontamination Date 10-30-61

pervisor in Charge L. Dykstra Total Work Area 37,000 ft²

Operations in Progress Operating saw and pulverizing metal, cleaning small parts (hand), band dismantling conveyor.

Protective Measures in Force Film Badges, Respirators, gloves, and wash & lunch room facilities

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index 145 XY	290.	206.
	Area Factor (Total)	53.	42
	Area Factor (Wipe)		

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Col #19 thru Col #26 floor & equip	5985	I			2000	
" " " " " " "	585	II			10000	
" " " " " " "	90	III			>12500	
Top of Spray Booth	3000	II			4000	
Tunney & crusher pit floor & equip	8114	I			2000	
" " " " " " "	86	II			3000	
Col #13 to Col #19 floor & equip	2730	I			2000	
" " " " " " "	390	II			6000	
Col #8 to Col #13 " " "	4784	I			2000	
" " " " " " "	1058	II			10000	
" " " " " " "	46	III			>12500	
Col #1 to Col #8 " " "	4718	I			2000	
" " " " " " "	456	II			6000	
Cold Trap Area - floor & equip.	416	I			2000	
" " " " " "	32	II			5000	
Compressor Pit.	360	II			10000	
" "	40	III			>12500	

	Range Surface	(c/m) Wipe	Weighting Factor	Total ft²
Class 0	*	–	0	
Class I	500-2000	100-500	1	20247
Class II	2000-10,000	500-2000	5	5967
ss III	>10,000	>2000	20	176
			Grand Total (ft²)	20247

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Re Re. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
		200		2250		500	3750	
		200		1500		1000	7500	
		150		500		500	800	
SUMMARY: 0 No. > P.A.L.		0		0		0		
9 No. Checked		3		3		3		
— % Total Checks > P.A.L.								

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
TAKEN						
NONE						

SUMMARY:	Air Samples		No. Taken		For Samples > P.A.L.	Total		Total
			No. > P.A.L.			%		Average
			% > P.A.L.					

REMARKS: Increase in levels due to increase in work and possibility of painting since last survey.

Inspector J R Bonner Op. Supervisor J Wolter Date 11-6-61

1) ~~AHS~~
2) ~~DOETT~~
3) File

K-1420 Large Equip. Decontamination

		1035	Dismantling K33 Comp.	P.	150	0.03	200	0.03	200	0.0	2.00	3.0
		1035	" " "	P.	200	0.1	200	0.6	400	1.4	20.0	2.0
		1035	" " "	I	200	0.0	<100	0.0	<100	0.0	NO	0.0

Compressor checked after it was dismantled:

	Alpha-Surface Max	Alpha Wipe Max	Beta-Contact	Beta 1ft
Head-	7000	5000	30	12.
Rotor	12000	8000	19	12.
Shell	6500	1200	55	14.
Stator	2000	500	6.0	2.

J. Boman 10/30/61

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Dist. ~~Cuera~~ 3) Files

K-1420 Large Equip Decontamination

Employee Name	Badge Number	Log Number	Job Assignment	Shoes Alpha	Shoes Beta	Clothing Alpha	Clothing Beta	Hands Alpha	Hands Beta	[illegible]	[illegible]
		1077	Dismantling Converter (K-33)	I 500	0.1	700	0.0	<100	0.0	3500	0.5
		1077	" " (K-33)	I 300	0.15	400	0.01	NO	0.0	1700	0.6

End of Tube Bundle -

Alpha Surface	Alpha Wipe	Beta Contact	Beta Lft.
600	300	11.	4.

J. Bomar 10/30/61

WEH 11-7-61

BETA-GAMMA RADIATION AUDIT REPORT (5003)

Location K-1423 Large Equip. Decontamination Date 10-31-61

Supervisor in Charge J. Duncan Total Work Area 37,000 ft²

Operations in Progress Cleaning equip. and collecting material
Removing small pieces of equip. and dismantling converter

Protective Measures in Force Film Badges, Respirators, Gloves, lunch & lunch room facilities

SUMMARY

RADIATION		This Survey	Last Survey
	β+γ Index	0.06	0.03
	β+γ Area Factor	0.04	0.07
	γ Area Factor	0.0	0.0

SPECIFIC LOCATION	7.5 mrep/hr Distance (ft)	Area (ft²) and Class of Radiation β+γ		γ		Reading (mrep/hr) Maximum β+γ	Maximum γ	1 ft. β+γ	1 ft. γ
Openings in 33 Converter-	1.5	1	II	<P.A.L.		50		12	
" " " "		6	I			37.5			
Compression Yards									
End of Rotor-	1.	1	II	<P.A.L.		1.5		7.5	
" " "		2	I			37.5			
Stator-	.5	4	I	<P.A.L.		35.		4.	

	Range mrep/hr	Weighting Factor	Total ft²	
Class I	7.5 - 37.5	1		12.
Class II	37.5 - 300	5		2.
Class III	300 - 3000	40		0
Class IV	> 3000	400		0
		Grand Total (ft²)		14.

Maximum Reading β+γ 12. 1 ft.

WCX-2067 (10-53) K-25 SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$

SUMMARY:	Air Samples		No. Taken		For Samples > P.A.L.	Total		Total
			No. > P.A.L.			%		Average
			% > P.A.L.					

REMARKS: Slight increase due to contaminants being disturbed at time of survey

Inspector [illegible] Op. Supervisor J. Dodson Date 11-6-61

Broken into smaller areas 2-7-62

ALPHA CONTAMINATION AUDIT REPORT

ation K-1420 Recovery Area- (5004) Date 10-19-61

pervisor in Charge J. Dykstra- Total Work Area 26,500 ft²

Operations in Progress Calciners operating, Recovery of 1131 material continuous dissolver operating part time, and "E" Area down

Protective Measures in Force Respirators, film badges, gloves, air sampling wash & lunch room facilities

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	856	878
	Area Factor (Total)	98.	99.
	Area Factor (Wipe)		

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Switch Room (east) floor & equip	540	I			1500	
"B" Area- Main floor & Calciner pit	3360	I			2000	
" " " " " " "	3606	II			10000	
" " " " " " "	564	III			>12500	
"B" Area- Steps- (85 ft²)	85	II			8000	
"B" Area- Mezzanine floor & equip	988	I			2000	
" " " " " "	2710	II			10000	
" " " " " "	147	III			>12500	
"H" Area- Floor, Equip, & dollies	3640	I			2000	
" " " " " "	3400	II			10000	
" " " " " "	320	III			>12500	
Steps to "H" Area-	36	I			2000	
" " " "	54	II			10000	
" " " "	90	III			>12500	
Switch Room- (west) floor & equip	600	II			10000	
Sampling Area, floor & equip.	380	II			8000	
Rod Mill & Tower Rooms-	240	II			10000	
" " " " "	210	III			>12500	
"E" Area floor & equip-	875	I			2000	
" " " " "	1480	II			10000	
" " " " "	325	III			>12500	
Mercury & MFL oil Recovery Rms.	67	I			2000	
" " " " " "	315	II			5000	
Misc Recovery Rm- "F" Area-	638	I			2000	
" " " " "	1245	II			10000	
" " " " "	87	III			>12500	

	Range Surface	(c/m) Wipe	Weighting Factor		
Class 0	*	–	0	Total ft²	—
Class I	500-2000	100-500	1		10144
Class II	2000-10,000	500-2000	5		14125
ss III	> 10,000	> 2000	20		1638
			Grand Total (ft²)		25907

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rer Re. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		

Item
Tiber

BETA-GAMMA RADIATION AUDIT REPORT

Location K-1420 RECOVERY AREA (5004) Date 10-27-61

Supervisor in Charge J. DYSTRA- Total Work Area 26,500 ft²

Operations in Progress PACKINGS operating, CONTINUOUS dissolver, "E" area-

Protective Measures in Force Film Badges, gloves, lunch & wash room facilities

SUMMARY

RADIATION		This Survey	Last Survey
	β+γ Index	0.40	1.3
	β+γ Area Factor	0.31	0.70
	γ Area Factor	0.0	0.05

SPECIFIC LOCATION	7.5 mrep/hr Distance (ft)	Area (ft²) and Class of Radiation β+γ		γ		Reading (mrep/hr) Maximum β+γ	Maximum γ	1 ft. β+γ	1 ft. γ
"B" AREA- MAIN floor-									
Pump-at Continuous Dissolver	.8	1	II	<P.A.L.		60		6	
" " " "		2	I	<P.A.L.		37.5			
Pump at Cri-A-15	1.	6	I	<P.A.L.		35		7.5	
PACKINGS- & Drum Dryers-	.2	8	I	<P.A.L.		15		7.	
Pumps at A-11-	1.	13	I	<PAL		30		7.5	
"B" AREA- MAGAZINE									
Dissolver "B" 3-	2.	3	II	<P.A.L.		180		25	
" " "		9	I			375			
"H" AREA-									
Opening for Charging Tower.	.5	3	I	<PAL.		12		4	
Cans, Buckets, etc	.3	26	I	<PAL.		12		3	
Tower Room- Tower	1.2	2	II	<PAL.		60		12	
" " "		10	I			37.5			

	Range mrep/hr	Weighting Factor				Maximum Reading β+γ
Class I	7.5 - 37.5	1	Total ft²	77	0	LH.
Class II	37.5 - 300	5		6	0	
Class III	300 - 3000	40		0	0	
Class IV	> 3000	400		0	0	12.
			Grand Total (ft²)	83	0	

WCX-2067 (10-53) K-25 SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		

BETA-GAMMA RADIATION AUDIT REPORT (5005)

Location K-1420 Small Parts Decontamination Date 10-27-61

Supervisor in Charge J. Dykstra Total Work Area 18,200 ft²

Operations in Progress Vapor Blasting small parts, cleaning cylinders at floor pad.

Protective Measures in Force Film Badge, gloves, wash & lunch Room facilities

SUMMARY

RADIATION		This Survey	Last Survey
	β+γ Index	0.71	1.1
	β+γ Area Factor	0.55	0.84
	γ Area Factor	0.0	0.0

SPECIFIC LOCATION	7.5 mrep/hr Distance (ft)	Area (ft²) and Class of Radiation β+γ		γ		Reading (mrep/hr) Maximum β+γ	Maximum γ	1 ft. β+γ	1 ft. γ
Pump-(W-X) K413 Bldg-									
material-inside Housing	1.	1	II	<PBL.		45		7.5	
" " "		2	I			37.5			
Floor pad - Transfer									
Trough & floor -		6	II	<PBL		110		14	
		97	I			37.5			

	Range mrep/hr	Weighting Factor				Maximum Reading β+γ
Class I	7.5 - 37.5	1	Total ft²	94	0	
Class II	37.5 - 300	5		7	0	Maximum 44.
Class III	300 - 3000	40		0	0	Reading
lass IV	>3000	400		0	0	β+γ 12.
		Grand Total (ft²)		101	0	

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		

WETM

ALPHA CONTAMINATION AUDIT REPORT (5006)

Location K-1420 Small Parts Dismantling Date 10-5-61

Supervisor in Charge J. Dykstra Total Work Area 700 ft²

Operations in Progress None

Protective Measures in Force mandatory respirator area

SUMMARY: Surface index 170 X Y

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	340	342.
	Area Factor (Total)	70.	53
	Area Factor (Wipe)		

SPECIFIC LOCATION	Area (ft²) and Class of Contamination: Surface		Wipe		Maximum Reading (c/m): Surface	Wipe
Tables & Benches (70 ft²)	20	I			2000	
" " " (")	50	II			60000	
Floor Area (30 ft²)	300	I			2000	
	170	II			10000	
	1	III			21X500	

	Range Surface	Range (c/m) Wipe	Weighting Factor		Surface	Wipe
Class 0	*	–	0	Total ft²		
Class I	500-2000	100-500	1		320	
Class II	2000-10,000	500-2000	5		170	
Class III	> 10,000	> 2000	20		1	
			Grand Total (ft²)		491	

By LPAL.

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		

WEM

ALPHA CONTAMINATION AUDIT REPORT

Location K-1420 Lunch Room - (5008) Date 10-5-61

Supervisor in Charge J. Dyksten - Total Work Area 1000 ft²

Operations in Progress Routine cleaning

Protective Measures in Force

SUMMARY: Surface Index 91 X 2

ALPHA CONTAMINATION		This Survey	Last Survey
	Index	182.	130.
	Area Factor (Total)	58.	52.
	Area Factor (Wipe)		

SPECIFIC LOCATION	Area (ft²) and Class of Contamination: Surface		Wipe		Maximum Reading (c/m): Surface	Wipe
Tables -						
Tops -					<100	
Seats	12	I			1000	
Floor Area	483	I			2000	
	84	II			5000	

	Range Surface	Range (c/m) Wipe	Weighting Factor					
Class 0	*	–	0	Total ft²				B+γ < P.A.L.
Class I	500-2000	100-500	1		495			
Class II	2000-10,000	500-2000	5		84			
Class III	> 10,000	> 2000	20		0			
			Grand Total (ft²)		579			

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

None checked

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

None taken

REMARKS: Survey was made before janitor did routine cleaning.

Inspector J B Bomar Op. Supervisor E. J. Forrester Date 10-18-61

ALPHA CONTAMINATION AUDIT REPORT

Location: K-1420 Recovery Area (5004) Date: 9-[illegible]-61

Supervisor in Charge: [illegible] Total Work Area: [illegible] ft²

Operations in Progress: Performance discharge in [illegible] and [illegible] equipment [illegible] "E" [illegible], [illegible] in area.

Protective Measures in Force: Respirators, air [illegible], [illegible], [illegible] sampling [illegible] from facilities

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index X Y	872.	590.
	Area Factor (Total)	99.	99.
	Area Factor (Wipe)		

SPECIFIC LOCATION	Area (ft²) and Class of Contamination: Surface		Wipe		Maximum Reading (c/m): Surface	Wipe
[illegible] Room (East) Floor & equip	300	I			1500	
"B" Area - [illegible] - [illegible]	2327	II			2000	
" " " " " "	5637	II			10000	
" " " " " "	4428	III			212,500	
"E" Area Stop -	75	II			10000	
" " "	16	III			212,500	
L Area Hydrogenic floor & equip	1140	I			2000	
" " " " " " "	2624	I			10000	
" " " " " " "	96	III			212,500	
"H" Area - floor, equip and dollies	1804	I			2000	
" " " " " "	5317	II			10000	
" " " " " "	4824	III			212,500	
Steps to "E" Area	74	II			10000	
" " " "	108	III			212,500	
Toilet Room - (West) floor & equip	260	I			[illegible]	
" " " " " "	240	II			9000	
Smoking Area - floor & equip	280	II			8000	
Rad Lab & Twice Rooms -	336	II			[illegible]	
" " " "	112	III			212,500	
"F" Area - floor & equip	1000	I			2000	
" " " " "	1307	II			10000	
" " " "	278	III			212,500	
Laundry and MFL oil recovery Rms.	225	I			2000	
" " " " " "	275	II			4000	
[illegible] Recovery Rm - "F" Area	1464	I			2000	
	704	II			10000	
	74	III			212,500	
Class 0	*	–	0	Total ft²	—	
Class I	500-2000	100-500	1		9845	
Class II	2000-10,000	500-2000	5		14702	
Class III	> 10,000	> 2000	20		1610	
			Grand Total (ft²)		26157	

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		

To: M.D. Barker
A.J. Becker

SUBJECT: Dry Booth Fixture, KH20

DATE: 9/7/61

Reply Message

FOLD

MESSAGE

Please advise if we feel this method to be adequate from a safety viewpoint. Also as to whether or not the pr was discussed with us —

SIGNED al

DATE OF REPLY: 9-12-61

REPLY TO: Mr A.J. Becker

REPLY

The proposed methods for removing the rotor was not discussed with us, however it appears to be adequate from a safety viewpoint

SIGNED WE Muldaw

RECIPIENT RETURNS THIS COPY TO SENDER

Safety and Health Physics

1961 SEP 6 AM 9:42

RECEIVED SEP 1 1961

PROJECT ENGINEERING DEPARTMENT

SCOPE OF PROJECT

ISSUE NO. 1

Project No: M-28275-A

Date: August 31, 1961

Project Engineer: Doyle

Title: Dry Booth Fixtures, K-1420

SUMMARY OF MEETING

A meeting was held at 12:30 p.m. on August 24, 1961, with the following men present:

Plant Engineering Division	Chemical Operations Department	Nuclear Hazards Department
R. I. Deaderick	R. J. Clouse	C. E. Newlon
G. M. Doyle		
W. Halchin		
M. C. Martin		

The design on this project covering a compressor ran dolly and a compressor disassembly dolly did not provide means to pull the rotor from a size 29 or 31 axial compressor. This meeting was held to discuss what provisions will be used to remove these rotors. After some discussion on the possible methods of removing the rotor only or the rotor and stator together, it was decided that the rotor would be removed separately by supporting one end with the overhead crane and pulling it out with a chain hoist. To keep the rotor from falling down against the stator after the stub shaft has been removed from the bearing, rails made from channel irons would be cut in the field and fitted under the rotor; then the rotor would be slid out on these rails. After removal of the rotor, the stator will be removed with the designed fixtures.

The design of the compressor disassembly dolly will be changed to eliminate the rotating table. Compressors will then be disassembled by working on one end in the west side of the drying booth and then moving the dolly and compressor into the final rinse booth so that the other end of the compressor can be disassembled in the west end of the drying booth.

G. M. Doyle
Project Engineering Department

GMD:mdh

cc: Those Present
Normal Scope Distribution
Mr. A. L. Allen

-351-

BETA-GAMMA RADIATION AUDIT REPORT

Location K-1420 Recovery Area - (5004) Date 8-15-61

Supervisor in Charge J. Dykstra - Total Work Area 21,500 ft²

Operations in Progress Continuous dissolver in operation - "B" Area operating, E Area down - maint. working.

Protective Measures in Force Film badges, gloves, lunch & wash room facilities.

SUMMARY

RADIATION		This Survey	Last Survey
	β+γ Index	1.3	1.1
	β+γ Area Factor	0.70	0.57
	γ Area Factor	0.05	0.17

SPECIFIC LOCATION	7.5 mrep/hr Distance (ft)	Area (ft²) and Class of Radiation β+γ		γ		Reading (mrep/hr) Maximum β+γ	Maximum γ	1 ft. β+γ	1 ft. γ
Tower Room - material around	1.5	3	II	<P.AL.		70		17.	
Ash Receiver.		37	I			37.5			
"E" Area - material on flange									
above - F-14c -	1.	25	II	<P.AL.		170		7.5	
" " " " " "		25	I			37.5			
Continuous Dissolver, feed point									
material & Transfer Trough.	1.7	2	II	<P.AL.		60.		17.	
" " " "		18	I			37.5			
Material on "B" Dissolver									
" " " " "	.9	1	II	<P.AL.		70.		6.	
" " " " "		3	I			37.5			
"H" Material Storage									
Buckets, ash receivers, and cans.	3.	1	III	1	II	350	60	60	6
" " " " "		37	II	11	I	300	37.5		
" " " " "		82	I			37.5			
Rod Mill Room -									
Opening in pulverizer and	3.	1	II	<P.AL.		220		60	
material on floor.		8	I			37.5			
"H" Area - material on									
floor - around Hopper for oxide	1.7	1	II	<P.AL.		60		10	
		9	I						

	Range mrep/hr	Weighting Factor	Total ft²			Maximum Reading β+γ
Class I	7.5 - 37.5	1		154.5	11	44.
Class II	37.5 - 300	5		30.5	1	
Class III	300 - 3000	40		1.	0	60
ass IV	> 3000	400			0	
		Grand Total (ft²)		186	12	

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		

ALPHA CONTAMINATION AUDIT REPORT

Location K 1420 Small Parts Dismantling (5006) Date 9-21-'61
Supervisor in Charge J. Dykstra. Total Work Area 700 ft²
Operations in Progress None

Protective Measures in Force mandatory Respirator area-

SUMMARY:

ALPHA CONTAMINATION		This Survey	Last Survey
	Surface Index X Y 271	547.	2178
	Area Factor (Total)	53.	100
	Area Factor (Wipe)		

SPECIFIC LOCATION	Area (ft²) and Class of Contamination: Surface		Wipe		Maximum Reading (c/m): Surface	Wipe
Tables & Benches- (Rafty)	30	I			2000	
" " " "	12	II			10000	
" " " "	28	III			217500	
Floor Area-	175	I			2000	
" "	177	II			10000	
" "	3	III			217500	

	Range Surface	Range Wipe (c/m)	Weighting Factor				
Class 0	*	–	0	Total ft²			
Class I	500-2000	100-500	1		205		
Class II	2000-10,000	500-2000	5		134		
Class III	>10,000	>2000	20		31		
			Grand Total (ft²)		370		

By J. P.A.L.

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		

/

ALPHA CONTAMINATION AUDIT REPORT

Location K-1420 Lunch Room- (5008) Date 9-21-61

Supervisor in Charge L. Dykstra- Total Work Area 1000 ft²

Operations in Progress Routine cleaning By Janitorial department

Protective Measures in Force

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Surface Index 65 XY	130.	127.
	Area Factor (Total)	56.	61
	Area Factor (Wipe)		

SPECIFIC LOCATION	Area (ft²) and Class of Contamination: Surface		Wipe		Maximum Reading (c/m): Surface	Wipe
Tables-						
Tops-					<100	
Seats	10	I			1700	
Floor Area-	539	I			2000	
	23	II			3000	

	Range Surface	Range (c/m) Wipe	Weighting Factor		Surface	Wipe	
Class 0	*	–	0	Total ft²	—	—	B+J < P.A.L.
Class I	500-2000	100-500	1		539		
Class II	2000-10,000	500-2000	5		23		
Class III	> 10,000	> 2000	20		0		
			Grand Total (ft²)		562		

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

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PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
None checked								
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
None Taken.						
SUMMARY: Air / Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS: Survey was made Before clean up was made.

Inspector J. B. Bomar Op. Supervisor E. J. Forrester Date 9/22/61

Special Survey.

K33 Comp. = 9040

BETA-GAMMA RADIATION AUDIT REPORT

Location K-1420 Large Equip. Decon. Date 9-12-61.

Supervisor in Charge J.C. Murray. Total Work Area _____ ft²

Operations in Progress _____

Protective Measures in Force _____

SUMMARY

RADIATION		This Survey	Last Survey
	β+γ Index		
	β+γ Area Factor		
	γ Area Factor		

SPECIFIC LOCATION	H/Pha. Surf.	~~7.5 mrep/hr~~ ~~Distance (ft)~~	Area (ft²) and Class of Radiation β+γ	γ	Reading (mrep/hr) Maximum β+γ	Maximum γ	1 ft. β+γ	1 ft. γ
Seal. Thrust End	9500	1000			14	0.4	1	
" Motor "	600	200			3	0.03	0.3	
Compressor	18000	900			25	0.5	3	
" Head	10000	1500			25	0.5	3	
Comp. Blades IN Basin	4500	600			35	0.3	3	
Inside Stator	450	<100			11	0.6	5	
" "	4000	300			4	0.06	1	
Outside OF Rotor	6500	550			4.5	0.06	2	
" " "	300	<100			6	0.06	2	
Thrust End OF Rotor	11000	700			14	0.06	3.5	
" " " "	3500	200			14	0.06	3.5	
" " " "	3500	200			—	—	—	
Thrust End OF Rotor (Inside)	500	350			15	0.1	15	
Stub Shaft Flange	1900	800			—	—	—	
Motor End OF Rotor (Inside)	650	350			45	0.1	15	
" " " " (Outside)	6500	150			—	—	—	
Stub Shaft Flange	1500	400			12	0.6	8.5	

	Range mrep/hr	Weighting Factor	Total ft²
Class I	7.5 - 37.5	1	
Class II	37.5 - 300	5	
Class III	300 - 3000	40	
Class IV	> 3000	400	
		Grand Total (ft²)	

Maximum Reading β+γ _____

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem. Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS:

Inspector [illegible] Op. Supervisor J. C. Murray Date [illegible]

ALPHA CONTAMINATION AUDIT REPORT

(5003)

:ation K-1420 Large Equip Decontamination Date 8-9-61

:pervisor in Charge L. Dykstra Total Work Area 37,000 ft²

Operations in Progress Dismantling Compressor and misc equip cleaning, Sand Blasting

Protective Measures in Force Film Badges, Respirators, gloves, wash & lunch Room facilities.

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	103 Index X 2 =	*206	77 - * 114 X 2 = 228
	Area Factor (Total)	42.	47.
	Area Factor (Wipe)	—	68

SPECIFIC LOCATION	Area (ft²) and Class of Contamination: Surface		Wipe		Maximum Reading (c/m): Surface	Wipe
Col #19 - Col #26 Floor & equip -	1471	I			2000	
" # " " " " " "	441	II			10000	
" # " " " " " "	49	III			212500	
Top of Spray Booth	3000	II			4000	
Tunnel & Crusher Pit - Floor & equip -	1537	I			2000	
Col #13 to Col #19 Floor & equip -	1787	I			2000	
" " " " " " " "	479	II			6000	
Col #8 to Col #13 - Floor & equip	3731	I			3000	
" " " " " " " "	497	II			10000	
" " " " " " " "	87	III			212500	
Col #1 to Col #8 Floor and Equip	2025	I			2000	
" " " " " " " "	370	II			5000	
Cold Trap Room - Floor and Equip	180	I			3000	
" " " " " "	26	II			10000	
" " " " " "	4	III			212500	
Decreasing Booth -	50	II			10000	
" "	60	III			212500	
Pit - Compressor - (covered with water)						

	Range Surface	(c/m) Wipe	Weighting Factor				
Class 0	*	—	0	Total ft²	—		
Class I	500-2000	100-500	1		10671		
Class II	2000-10,000	500-2000	5		4708		
ss III	> 10,000	> 2000	20		195		
			Grand Total (ft²)		15574		

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

*Surface Readings used in calculating the index without wipe readings

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rer Re. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		

BETA-GAMMA RADIATION AUDIT REPORT (5003)

Location K-1420 Large Equip. Decontamination Date 8-14-61

Supervisor in Charge H. Dykstra Total Work Area 37,000 ft²

Operations in Progress Misc. cleaning of floor pan, pulverizing material, dismantling conveyors, and blasting cylinders.

Protective Measures in Force Film badges, respiratory protection, gloves, lunch & wash room facilities

SUMMARY

RADIATION		This Survey	Last Survey
	β+γ Index	0.03	—
	β+γ Area Factor	0.02	—
	γ Area Factor	0.0	—

SPECIFIC LOCATION	7.5 mrep/hr Distance (ft)	Area (ft²) and Class of Radiation β+γ		γ		Reading (mrep/hr) Maximum β+γ	Maximum γ	1 ft. β+γ	1 ft. γ
Material Storage Area-									
All-ways safe containers	.6	.5	II	<PAL.		110		2	
" " "		.5	I						
Compressor Parts-									
" "	.7	1	II	<PAL.		45		4	
" "		4	I						

	Range mrep/hr	Weighting Factor	Total ft²	
Class I	7.5 - 37.5	1	4.5	
Class II	37.5 - 300	5	1.5	
Class III	300 - 3000	40	0	
Class IV	>3000	400	0	
		Grand Total (ft²)	6.	

Maximum Reading β+γ 4.0

WCX-2067 (10-53) K-25 SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

None checked

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

None Taken

REMARKS:

Inspector [signature] Op. Supervisor [signature] Date 8-23-61

ALPHA CONTAMINATION AUDIT REPORT

ation K-1420 Recovery Area (5004) Date 8-3-61

pervisor in Charge J. Dykstra Total Work Area 26,500 ft²

Operations in Progress maint. working in "E" Area - Fires down - continuous dissolver in operation - also processing Alumina.

Protective Measures in Force Respirators, film badges, gloves, hand count, wash & lunch room facilities

SUMMARY:

			* This Survey	*Last Survey
ALPHA CONTAMINATION	Surface	445 Index - X2	890	778
		Area Factor (Total)	99.	80
		Area Factor (Wipe)		

SPECIFIC LOCATION	Area (ft²) and Class of Contamination: Surface		Wipe		Maximum Reading (c/m): Surface	Wipe
"E" Area Warehouse, steps, platform -	3477	I			2000	
" " " " " "	3330	II			10000	
" " " " " "	990	III			71500	
"B" Area - Mezzanine floor & equip -	2590	I			2000	
" " " " " "	1025	II			10000	
" " " " " "	225	III			71500	
Switch Room - west - floor & equip -	360	I			2000	
" " " " " "	240	II			6000	
Smoking Area - floor & equip.	164	I			2000	
" " " " "	216	II			8000	
Mercury & MFL oil Recovery Rooms	160	I			2000	
" " " " " "	225	II			4000	
Switch Room (east) floor & equip -	330	I			1500	
"E" Area - floor & equip -	1358	I			2000	
" " " " "	1144	II			10000	
" " " "	78	III			71500	
"H" Area - (Storage) floor, dollies, etc.	2080	I			2000	
" " " " " "	4948	II			10000	
" " " " " "	577	III			71500	
"F" Area - floor and equip -	1177	I			2000	
" " " " "	759	II			10000	
" " " " "	99	III			71500	
Steps at Elevator -	90	II			10000	
" " "	90	III			71500	
Tower & Grinding Rooms - floor & equip	547	II			10000	
" " " " " " "	203	III			71500	

	Range Surface	(c/m) Wipe	Weighting Factor				
Class 0	*	–	0	Total ft²			
Class I	500-2000	100-500	1		11641		
Class II	2000-10,000	500-2000	5		17774		
ss III	> 10,000	> 2000	20		2257		
			Grand Total (ft²)		26172		

*Class 0 Is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Re Re No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

NONE CHECKED

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

NONE TAKEN

REMARKS: Increase due to routine operations with no painting being done recently

Inspector J B Bennett Op. Supervisor G J Forrester Date 8/23/61

ALPHA CONTAMINATION AUDIT REPORT

(5095)

Location K-1420 Small Parts Decontamination Date 8-23-61

Supervisor in Charge J. Dunstan Total Work Area 18,200 ft²

Operations in Progress Cleaning small parts at floor pan, and Blasting seal parts.

Protective Measures in Force Film Badge, Respirators, gloves, lunch & wash Room facilities

SUMMARY:

ALPHA CONTAMINATION		This Survey	Last Survey
Surface	Index	1177	208.
	Area Factor (Total)	57.	47.
	Area Factor (Wipe)		

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
East Wash Room - floor & bench	68	I			1500	
West Wash Room - Chromogenic Room	346	I			2000	
" " " " "	37	II			9000	
Col #27 to Col #37 floor & Equip	578	I			2000	
" " " " " " " "	136	II			8000	
Col #16 to Col #27 floor & Equip	2184	I			2000	
" " " " " " " "	648	II			10000	
" " " " " " " "	170	III			212500	
Col #10 to Col #16 " " "	2057	I			2000	
" " " " " " " "	756	II			10000	
" " " " " " " "	36	III			212500	
Col #4 to Col #10 " " "	1480	I			2000	
" " " " " " " "	185	II			2500	
Col-#1 to Col #4 " " "	684	I			2000	
" " " " " " " "	77	II			10000	
" " " " " " " "	36	III			212500	

	Range Surface	(c/m) Wipe	Weighting Factor				
Class 0	*	–	0	Total ft²			
Class I	500-2000	100-500	1		7392		
Class II	2000-10,000	500-2000	5		1827		
Class III	> 10,000	> 2000	20		192		
			Grand Total (ft²)		9413		

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rer Rei No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		

BETA-GAMMA RADIATION AUDIT REPORT (5005)

cation K-1420 Small Parts Decontamination Date 8-21-61

upervisor in Charge J. Dykstra - Total Work Area 18,200 ft²

Operations in Progress Routine cleaning.

Protective Measures in Force film badges, gloves, wash & lunch room facilities

SUMMARY

RADIATION		This Survey	Last Survey
	β+γ Index	1.1	0.69
	β+γ Area Factor	0.84	0.73
	γ Area Factor	0.0	0.0

SPECIFIC LOCATION	7.5 mrep/hr Distance (ft)	Area (ft²) and Class of Radiation β+γ		γ		Reading (mrep/hr) Maximum β+γ	Maximum γ	1 ft. β+γ	1 ft. γ
Transfer Trough & Floor at floor pan -	3.	12	II	& PAD.		180		110	
		141	I			37.5			

	Range mrep/hr	Weighting Factor			
Class I	7.5 - 37.5	1	Total ft²	141	
Class II	37.5 - 300	5		12	
Class III	300 - 3000	40		0	
ass IV	> 3000	400		0	
		Grand Total (ft²)		153	

Maximum Reading β+γ 110

WCX-2067 (10-53) K-25 SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem. Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
None checked								
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
None taken						
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS: Only radiation noted above P.A.L. was at fiber pad where several MD Type cylinders had been washed out.

Inspector J B Bomar Op. Supervisor E. J. Forrester Date 8/23/61

✓

ALPHA CONTAMINATION AUDIT REPORT

ation K-1420 Small Parts Dismantling (5006) Date 8-21-61

.pervisor in Charge J. Dykstra - Total Work Area 700 ft²

Operations in Progress Routine Seal dismantling

Protective Measures in Force Film Badges, gloves, and Respirators

SUMMARY:

			This Survey	Last Survey
ALPHA CONTAMINATION	Index	1089 XY	2178.	1612
	Area Factor (Total)		100.	100
	Area Factor (Wipe)			

SPECIFIC LOCATION	Area (ft²) and Class of Contamination: Surface		Wipe		Maximum Reading (c/m): Surface	Wipe
Tables & Benches - (70 ft²)	20	II			10000	
" " " (")	50	III			212500	
Floor Area -	31	I			2000	
" "	366	II			10000	
" "	233	III			212500	

	Range Surface	(c/m) Wipe	Weighting Factor				
Class 0	*	–	0	Total ft²	—	—	
Class I	500-2000	100-500	1		31	—	
Class II	2000-10,000	500-2000	5		366	—	
ss III	> 10,000	> 2000	20		233	—	
				Grand Total (ft²)	700	—	

Bfj 4-P.D.L.

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rer Rel. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

None checked

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

None taken

REMARKS: Increase due to routine seal dismantling and shoes not being painted recently.

Inspector [signature] Op. Supervisor [signature] Date 8/23/61

ALPHA CONTAMINATION AUDIT REPORT

ation K-1420 Lunch Room - (5008) Date 8-15-61

pervisor in Charge J. Dunstan Total Work Area 1000 ft²

Operations in Progress None.

Protective Measures in Force

SUMMARY:

		* This Survey	Last Survey
ALPHA CONTAMINATION	Index 61 x 2	122	58
	Area Factor (Total)	61.	29.
	Area Factor (Wipe)		—

SPECIFIC LOCATION	Area (ft²) and Class of Contamination: Surface		Wipe		Maximum Reading (c/m): Surface	Wipe
Tables -						
Tops -					<100	
Seats	6	I			1700	
Floor Area -	552	I			2000	
	48	I			4000	

	Range Surface	(c/m) Wipe	Weighting Factor					
Class 0	*	–	0	Total ft²				B+J < P.A.L.
Class I	500-2000	100-500	1		606			
Class II	2000-10,000	500-2000	5		0			
ss III	> 10,000	> 2000	20		0			
			Grand Total (ft²)		606			

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

* Surface readings used in calculating the index without wipe readings

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rer Rei. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
None checked								
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
None taken.						
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS: Increase due to transfering from work areas and survey being made following coffee break.

Inspector J B Bonnar Op. Supervisor E J Forrester Date 8/23/61

WCM- 7-25-61 ✓

ALPHA CONTAMINATION AUDIT REPORT

Location K-1420 Recovery Area - (5004) Date 7-11-61

Supervisor in Charge [illegible] Total Work Area [illegible] ft²

Operations in Progress [illegible]

Protective Measures in Force [illegible]

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Surface Index	*389x2 = 778	*358x2 716
	Area Factor (Total)	[illegible]	[illegible]
	Area Factor (Wipe)		—

SPECIFIC LOCATION	Area (ft²) and Class of Contamination: Surface		Wipe		Maximum Reading (c/m): Surface	Wipe
East Cooled Room - Floor	240	I			1800	
" Area - Wall	578	I			2000	
" " " " "	3147	II			10000	
" " " " "	165	III			71x100	
" Area - Floor Scrape	288	I			2000	
" " " " "	6448	II			10000	
" " " " "	864	III			71x100	
[illegible] Cooled Room -	96	I			2000	
" " "	498	II			10000	
" " "	12	III			71x100	
Cage at Elevator -	60	I			2000	
" " "	30	II			10000	
" " "	70	III			71x100	
Sampling Area - Floor	188	I			2000	
" "	7	II			5000	
Tanks Rm & Grinding Room -	157	I			2000	
" " " "	42	II			10000	
" " " "	24	III			71x100	
" Area - Floor Scrape -	724	I			2000	
" " " "	250	II			10000	
" " " "	75	III			71x100	
Uranium & UF6 Foil Recovery Rm	110	I			2000	
" " " " " "	225	II			10000	
" Area - Floor Scrape	676	I			2000	
" " " "	300	II			10000	
" " " "	12	III			71x100	
[illegible] Floor Steps & Platform	3410	~~I~~		~~I~~	~~2000~~	
	525	~~II~~		~~II~~	~~10000~~	
	120	~~III~~		~~III~~	~~71x100~~	
	6447					
	1572					
	1513					
	21250					

	Range (c/m) Surface	Wipe	Weighting Factor	
Class 0	*	—	0	Total ft²
Class I	500-2000	100-500	1	
Class II	2000-10,000	500-2000	5	
Class III	> 10,000	> 2000	20	
			Grand Total (ft²)	

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

*Surface index calculated from surface readings without wipe readings

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

None Checked.

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

None Taken

REMARKS: Leaks remain about the same, however most of the floor had been painted on first floor level - But this was offset by increases on mezzanine. The increases on mezzanine were caused largely by continuous dissolver spills and work on Hoppers in "E" Area.

Inspector J B Brown Op. Supervisor J Holden Date 7-25-61

WEH 7-25-61 ✓

ALPHA CONTAMINATION AUDIT REPORT

ation K-1420 Small Parts Dismantling (5006) Date 7-17-61

-pervisor in Charge H. Dykstra Total Work Area 700 ft²

Operations in Progress None

Protective Measures in Force mandatory respirator wear

SUMMARY:

			This Survey	Last Survey
ALPHA CONTAMINATION	Surface Index	*806 x 2 =	1612	1727
	Area Factor (Total)		100	94
	Area Factor (Wipe)			100

SPECIFIC LOCATION	Area (ft²) and Class of Contamination: Surface		Wipe		Maximum Reading (c/m): Surface	Wipe
Tables & Benches (7 ft²)	20	II			10000	
" " " "	50	III			21x100	
Floor Area	46	I			3000	
" "	479	II			10000	
" "	105	III			21x100	

	Range Surface	(c/m) Wipe	Weighting Factor					
Class 0	*	–	0	Total ft²	—			Bt J < P.A.L.
Class I	500-2000	100-500	1		46			
Class II	2000-10,000	500-2000	5		479			
ss III	> 10,000	> 2000	20		155			
			Grand Total (ft²)		700			

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

*Surface Index calculated from surface readings without wipe readings

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rer Rer. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		

WEM 7-25-61

ALPHA CONTAMINATION AUDIT REPORT

ation [illegible] (5008) Date 7-12-61

pervisor in Charge H. [illegible] Total Work Area [illegible] ft²

Operations in Progress Routine cleaning

Protective Measures in Force Routine cleaning

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Surface Index 29X2	= 58.	21X2 = 42
	Area Factor (Total)	2.9	2.1
	Area Factor (Wipe)		

SPECIFIC LOCATION	Area (ft²) and Class of Contamination: Surface		Wipe		Maximum Reading (c/m): Surface	Wipe
TABLES-						
Tops					<100	
Shelves					<100	
Floor-	290	I			1800	

	Range Surface	(c/m) Wipe	Weighting Factor			
Class 0	*	–	0	Total ft²		
Class I	500-2000	100-500	1		290	
Class II	2000-10,000	500-2000	5		0	
ss III	> 10,000	> 2000	20		0	
			Grand Total (ft²)		290	

B. J. [illegible]

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

*Surface index calculated from surface readings without wipes

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WCX-1920 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Re Re. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
None present								
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
None taken						
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS: Survey was made prior to routine clean up. This may be reflected in slight increase in levels.

Inspector [signature] Op. Supervisor [signature] Date 7-25-61

ALPHA CONTAMINATION AUDIT REPORT

Location: K-1420 Recovery Area - (5004) Date: 6-14-61

Supervisor in Charge: H. Dykstra Total Work Area: [illegible] ft²

Operations in Progress: Running Solution through Evaporators and drum dryers.

Protective Measures in Force: Respirators, film badges, shoes, hard caps, cloth & plastic room facilities

SUMMARY:

ALPHA CONTAMINATION	This Survey	Last Survey
Surface Index	*358 X 2 716	718 * 359
Area Factor (Total)	[illegible]	[illegible]
Area Factor (Wipe)	—	[illegible]

SPECIFIC LOCATION	Area (ft²) and Class of Contamination: Surface		Wipe		Maximum Reading (c/m): Surface	Wipe
East Switch Room - Floor Equip.	8	I			800	
"B" Area - Main Floor Equip.	4345	I			2000	
" " " " " " "	2912	II			10000	
" " " " " " "	224	III			>12,500	
Steps from "B" Area - to Mezzanine	85	II			8000	
"E" Area - Mezzanine - Floor Equip	1221	I			2000	
" " " " " " "	2519	II			10000	
" " " " " " "	103	III			>12,500	
"H" Area - Floor Equip	1960	I			2000	
" " " " " "	5248	II			10000	
" " " " "	397	III			>12,500	
Grinding and Torque Rooms -	117	I			2000	
" " " "	158	II			10000	
" " " "	67	III			>12,500	
West Switch Room - Floor Equip	10	I			[illegible]	
" " " " " "	140	II			2000	
Steps - Top of "H" "H" Area -	36	I			2000	
" " " " " "	36	II			10000	
" " " " "	10	III			>12,500	
Decontamination - Floor	376	I			[illegible]	
" " " "	4	III			>12,500	
"E" Area - Floor Equip -	1530	I			2000	
" " " "	210	II			10000	
" " " "	20	III			>12,500	
"E" Area - Floor Equip	1440	I			2000	
" " " " "	495	II			10000	
	46	III			>12,500	
	12	I			2000	
	418	II			5000	
	—		—			
	10719					
	17997					
	760					
Grand Total (ft²)	29476					

	Range (c/m) Surface	Range (c/m) Wipe	Weighting Factor	Total ft²
Class 0	*	—	0	
Class I	500-2000	100-500	1	
Class II	2000-10,000	500-2000	5	
Class III	> 10,000	> 2000	20	

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

* Surface readings without wipe calculated to give surface index

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PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		

ALPHA CONTAMINATION AUDIT REPORT

cation K-1[illegible] (5805) Date 6-13-61

Supervisor in Charge [illegible] Total Work Area [illegible] ft²

Operations in Progress [illegible] at [illegible] and Electrical [illegible]

Protective Measures in Force [illegible] Suits, gloves, hood, [illegible], Lunch Wash Room facilities

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Surface Index	*10412	208	* 122
	Area Factor (Total)		47	55
	Area Factor (Wipe)			77

SPECIFIC LOCATION	Area (ft²) and Class of Contamination: Surface		Wipe		Maximum Reading (c/m): Surface	Wipe
East Lunch Room - Floor Beneath	[illegible]	I			15[illegible]	
Col-3x to Col-E7 - Floor [illegible]	240	I			2000	
" " " " " " " "	48	II			9000	
Col-16 to Col-7x Floor Tank Room	2835	I			500	
" " " " " " " "	168	II			10000	
" " " " " " " "	84	III			210000	
Floor - Col-10 - to Col-16 -	2304	I			200	
" " " " " "	824	II			10000	
" " " " " "	192	III			210000	
West Wash Room - Hallway - Grammagraph - Room.	158	I			2000	
" " " " "	23	II			5000	
Floor Equipment Room - Col-4 to Col-10	507	I			1800	
Floor, [illegible] Equip. from Col 12 to [illegible]	988	I			2000	
" " " " " " " "	164	II			10000	
" " " " " " " "	26	III			210000	

	Range Surface	(c/m) Wipe	Weighting Factor	Total ft²
Class 0	*	–	0	
Class I	500-2000	100-500	1	7092
Class II	2000-10,000	500-2000	5	1167
Class III	> 10,000	> 2000	20	302
			Grand Total (ft²)	8561

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

* Surface Readings without wipe calculated to give Surface index

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS: Levels were brought forward from last survey in open shoes. Interlocks are working - Col-10 to Col-16 Decreases due to painting, cleaning and painting

Inspector [signature] Op. Supervisor [signature] Date 6-29-61

WEM 6-30-61

ALPHA CONTAMINATION AUDIT REPORT

Location K-1420 Offices & Facilities (5009) Date 6-30-61

Supervisor in Charge T. Dickson Total Work Area 9,400 ft²

Operations in Progress Routine office work

Protective Measures in Force Routine cleaning

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Surface Index	*56 x 2	112 / *88
	Area Factor (Total)	51.	3.1
	Area Factor (Wipe)	—	13

SPECIFIC LOCATION	Area (ft²) and Class of Contamination: Surface		Wipe		Maximum Reading (c/m): Surface	Wipe
Hallway Running E & W to Rooms	90	I			2000	
" " " " "	210	II			7000	
" " North & South	375	I			2000	
" " " " "	60	II			10000	
" " " " "	15	III			212500	
Walkway in Lower Rooms -	250	I			2000	
" " " " "	60	II			4000	
West Lower Room - Lower Spots	54	I			2000	
" " " " "	18	II			4000	
" " " Floor	250	I			2000	
" " " "	170	II			6000	
East Room - West - Floor -	170	I			2000	
" " " "	30	II			4000	
Rest Rooms outside of Showers	90	I			800	
East West Room - Floor	45	I			1700	
" " " Room - Floor	180	I			2000	
" " " "	18	II			4000	
Extreme East Bottom Front Lockers	405	I			1600	
" " Lower Spots	60	I			1700	
Storage Area - Janitorial Supplies	170	I			1600	
Checking Bikes Front Floor -	180	I			200	
Kitchen Area - Floor -	4	I			800	
" " Tables - Chairs, etc.					<PAL	
Offices - 6, 7, 8, 9 -					<PAL	
Hallway - Floor -	86	I			1400	
Office #7	70	I			1700	
					B+J <PAL.	

	Range Surface	(c/m) Wipe	Weighting Factor	Total ft²
Class 0	*	—	0	
Class I	500-2000	100-500	1	2374
Class II	2000-10,000	500-2000	5	516
Class III	>10,000	>2000	20	15
			Grand Total (ft²)	2905

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

* Surface Reading without sign calculated to give surface index.

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
SUMMARY: No. > P.A.L.								
No. Checked								
% Total Checks > P.A.L.								

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS: Decrease due to routine cleaning and less Tracking from dark areas.

Inspector E. B. Bomar Op. Supervisor J. C. Cochran Date 6-29-61

ALPHA CONTAMINATION AUDIT REPORT

Location K-1401 Lower Floor (5008) Date 6-12-61

Supervisor in Charge J. Lowe Total Work Area 1000 ft²

Operations in Progress None

Protective Measures in Force Routine cleaning

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Surface Index *21X2	42	[illegible]
	Area Factor (Total)	21	5.7
	Area Factor (Wipe)		[illegible]

SPECIFIC LOCATION	Area (ft²) and Class of Contamination: Surface		Wipe		Maximum Reading (c/m): Surface	Wipe
Floor -	210	I			1400	
Tables - Top	—				<100	
Seats	—				200	

	Range Surface	(c/m) Wipe	Weighting Factor		Surface	Wipe
Class 0	*	–	0	Total ft²	—	
Class I	500-2000	100-500	1		210	
Class II	2000-10,000	500-2000	5		0	
Class III	>10,000	>2000	20		0	
				Grand Total (ft²)	210	

Rt + γ < P.A.L.

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

* Surface readings without wipe calculated to give Surface index

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WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS: Decrease due to routine cleaning and less tracking from work areas.

Inspector [signature] Op. Supervisor [signature] Date 6-29-61

ALPHA CONTAMINATION AUDIT REPORT (5003)

Location: K-1420 Operations Area Decontamination — Date: [illegible]

Supervisor in Charge: T. Lyssford-V — Total Work Area: [illegible] ft²

Operations in Progress: Dismantling Compressor and Misc. Equip Cleaning - Cleaning Compressor and B.S. Pump Casings

Protective Measures in Force: Film Badges, Respirators, Gloves, Lunch ✓ Locker Room Facilities

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	277.	144
	Area Factor (Total)	47.	33
	Area Factor (Wipe)	62.	56

SPECIFIC LOCATION	Area (ft²) and Class of Contamination: Surface		Wipe		Maximum Reading (c/m): Surface	Wipe
1st Floor - Hand Equip	960	I	1050	I	7000	500
" " " "	[illegible]	—	—	—	3000	—
Col-#1 to Col-#5 - " "	2400	I	4697	I	2000	500
" " " " " " "	90	II	68	II	6000	1700
Col-5 to Col #13 " " "	[illegible]	I	[illegible]	I	2000	700
" " " " " " "	[illegible]	II	680	II	[illegible]	1800
" " " " " " "	51	III	—	—	[illegible]	—
Compressor Pit Floor	35	III	16	II	[illegible]	[illegible]
" " "	50	III	250	III	[illegible]	[illegible]
Tool Grinding Booth	3000	II	2000	I	5000	700
" " " "	—	—	1000	II	—	1800
Trans. Ports Crusher pit - floor & equip	1880	I	2056	I	[illegible]	500
" " " " "	370	II	144	II	[illegible]	700
Degreasing Booth	35	II	75	II	10000	2000
" "	75	III	35	III	[illegible]	8000
Col-13 to Col-19 - floor & equip	[illegible]	I	3000	I	2000	700
" " " " " " " "	190	II	180	II	10000	800
Col-19 to Col-26 " " "	2570	I	4754	I	[illegible]	500
" " " " " " " "	540	II	60	II	10000	800
" " " " " " " "	60	III	—	—	[illegible]	—

	Range Surface	(c/m) Wipe	Weighting Factor		Surface	Wipe
Class 0	*	–	0	Total ft²		
Class I	500-2000	100-500	1		12151	22578
Class II	2000-10,000	500-2000	5		5548	2357
Class III	> 10,000	> 2000	20		236	295
				Grand Total (ft²)	17435	25160

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr) Hands	Shoes Personal	Shoes Issue	Clothing Personal	Clothing Issue	Gloves	Rem Ref. No.
		2000		1500		1500	2500	
		400		750		500	3000	
		700		1500		1500	6750	
SUMMARY: 1 3 No. > P.A.L.		1		0		0	0	
9 12 No. Checked		3		3		3	3	
11 25 % Total Checks > P.A.L.								

Air Sample Taken 5-10-61 AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
Col-D-4	HP-441	2:39	10	160	0/0	0.07
Col-D-7	442	2:40	11	137	0/3	0.14
Col-D-8	443	2:53	10	140	0/4	0.13
Col-D-10	444	2:55	10	100	0/0	0.08
Col-D-14	445	3:07	10	130	1/1 ✓	0.17
Col-D-15	446	3:10	10	96	1/1 ✓	0.18
Col-D-17	447	3:27	10	140	0/0	0.03
Col-D-19	448	3:35	10	170	0/0	0.03
Col-D-21	449	3:37	10	160	0/0	0.05
Col-D-23	450	3:45	10	140	0/0	0.05
SUMMARY: Air Samples 10	No. Taken		For Samples > P.A.L.		Total	Total [illegible]
0	No. > P.A.L.				%	Average 9
—	% > P.A.L.					

REMARKS: Slight increase due to [illegible] on compressors ✓ cleaning BC pumps.

Inspector [signature] Op. Supervisor [signature] Date 5-18-61

BETA-GAMMA RADIATION AUDIT REPORT (5003)

Location K-1[illegible] Equipment [illegible] Date 5-1-61

Supervisor in Charge [illegible] Total Work Area [illegible] ft²

Operations in Progress Routine equip cleaning

Protective Measures in Force Film Badge, Wear Respirators, lunch + [illegible] Area Specifications

SUMMARY

RADIATION		This Survey	Last Survey
	β+γ Index	2.16	[illegible]
	β+γ Area Factor	2.16	[illegible]
	γ Area Factor	2.2	[illegible]

SPECIFIC LOCATION	7.5 mrep/hr Distance (ft)	Area (ft²) and Class of Radiation β+γ		γ		Reading (mrep/hr) Maximum β+γ	Maximum γ	1 ft. β+γ	1 ft. γ
Opening in compressor	.5	8	I	<P.BL		10		5.	
" " " "	1.0	6	I	<P.BL		15		7.5	
Compressor parts	.5	34	I			15		3	
A.C. Pump Casings	.5	12	I			13		4	

	Range mrep/hr	Weighting Factor	Total ft²		
Class I	7.5 - 37.5	1	60	0	
Class II	37.5 - 300	5	0	0	Maximum Reading β+γ 7.5
Class III	300 - 3000	40	0	0	
lass IV	> 3000	400	0	0	
		Grand Total (ft²)	60	0	

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS: Increase due to equipment in RCA being disinfected and cleaned

Inspector [signature] Op. Supervisor [signature] Date 5-18-61

① W.E.M.
② Records File.

ALPHA CONTAMINATION AUDIT REPORT

Location: K-1420 Recovery Area - (5004) Date: 5-3-61

Supervisor in Charge: J. Dykstra Total Work Area: 26,500 ft²

Operations in Progress: Encapsulating floor area [illegible] - [illegible] Reactor Rod pellets - Continuous dissolver down, Calcinator down & [illegible] Process shut.

Protective Measures in Force: Film Badges, Respirators, Gloves, Lunch & wash Room facilities.

SUMMARY:

ALPHA CONTAMINATION	This Survey	Last Survey
Index	118.	113.
Area Factor (Total)	94.	92.
Area Factor (Wipe)	94.	93.

SPECIFIC LOCATION	Area (ft²) and Class of Contamination: Surface		Wipe		Maximum Reading (c/m): Surface	Wipe
Switch Room - Floor & equip.	4	I	200	I	800	250
"B" Area - "B" Floor & equip	3861	I	5100	I	2000	500
" " " " " "	3767	II	1774	II	10000	7000
" " " " " "	374	III	153	III	71250	6000
Steps from "B" Area to Mezzanine	85	II	85	II	10000	1800
"B" Area - Mezzanine	2187	I	2540	I	2000	500
" " " "	1568	II	1440	II	10000	7000
" " "	145	III	36	III	71250	4000
Switch Room - West - Floor & equip	554	I	60	I	5000	500
" " " " " "	46	II	540	II	6000	1600
"H" Area - Storage Area - Floor & equip	3655	I	1797	I	7000	500
" " " " " "	2967	II	5700	II	10000	7000
" " " " " "	607	III	615	III	71250	71250
Steps to "H" Area from Sorting Area	36	II	108	II	10000	3000
" " " " " "	144	III	72	III	71250	4000
Sorting Area & Elevator	347	II	76	I	10000	500
" " " "	37	III	304	II	71250	500
Roll Call Rm and Wash Rm	45	I	—	—	2000	—
" " " " " "	593	I	275	II	10000	2000
" " " " " "	117	III	275	III	71250	71250
Weighing Rm & Lifelift Recovery	225	I	315	I	2000	500
" " " " " "	225	II	135	II	6000	1500
"E" Area - Floor & equip	1600	I	930	I	2000	500
" " " " "	640	II	[illegible]	II	10000	2000
" " " " "	160	III	210	III	71250	71250
"F" Area - " " "	1443	I	[illegible]	I	2000	500
" " " " "	534	II	660	II	10000	1500

Class	Range Surface	Range Wipe (c/m)	Weighting Factor	Total ft²	Surface	Wipe
Class 0	*	—	0		—	—
Class I	500-2000	100-500	1		12594	11633
Class II	2000-10,000	500-2000	5		9643	11861
Class III	>10,000	>2000	20		1569	1304
			Grand Total (ft²)		24786	24798

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr) Hands	Shoes Personal	Shoes Issue	Clothing Personal	Clothing Issue	Gloves	Rem Ref. No.
		700		1.5 mr/hr 3000		700	2500	
		4000		3.7 mr/hr 21,000		21,000	21,000	
		400		1.5 mr/hr 3500		600	—	
		1100		7.0 mr/hr 21,000		21,000	21,000	
		500		3500		700	—	
SUMMARY: 7/9	No. > P.A.L.	7		3		7	7	
15/18	No. Checked	5		5		√	3	
47.5%	% Total Checks > P.A.L.							

Air samples Taken 5-10-61

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
"B" Area - Mainflow - Col - A-16	431	10:11	10	140	0/0	0.04
" " " " Col - A-11	432	10:13	10	150	0/0	0.02
* Center of Grinding Rm.	433	10:16	20	280	1/1	16.78
Smoking Area -	434	10:18	10	191	0/0	0.06
* "E" Area - East End - Approach to grinding Rm.	435	10:46	10	140	0/0	7.55
Tower Room -	436	11:50	10	140	0/0	0.09
"F" Area. Cold Trap Area -	437	11:57	12	180	0/0	0.17
"E" Area: center -	438	1:05	10	140	0/4	0.16
"B" Area: Mezzanine Continuous Excavator	439	1:11	10	140	0/0	0.03
"K" Area: Near Tower.	440	1:24	10	165	0/0	0.11
SUMMARY: Air Samples	10 No. Taken		For Samples > P.A.L.		Total 1/1	Total 14.07
	7 No. > P.A.L.				% 100	Average 1.40
	20 % > P.A.L.					

REMARKS: Levels remain the same

* During spot air sampling operation was grinding reactor rod pellets.

Inspector J. B. Bonner Op. Supervisor J. D. Dobson Date 5-18-61

BETA-GAMMA RADIATION AUDIT REPORT

Location: K-1420 Recovery Area (5004) Date: 5-15-61

Supervisor in Charge: J. Dykstra Total Work Area: [illegible] ft²

Operations in Progress: Routine recovery and material handling.

Protective Measures in Force: [illegible] Room facilities

SUMMARY

RADIATION	This Survey	Last Survey
β+γ Index	1.1	1.9
β+γ Area Factor	[illegible]	[illegible]
γ Area Factor	[illegible]	[illegible]

SPECIFIC LOCATION	7.5 mrep/hr Distance (ft)	Area (ft²) and Class of Radiation β+γ		γ		Reading (mrep/hr) Maximum β+γ	Maximum γ	1 ft. β+γ	1 ft. γ
Upper Area - 5" Area -									
Area Unused Cabinets -	3	3	I	<P.A.L.		35	<P.A.L.	1.5	
Mezzanine "B" Area -									
Material in "B" 3 Distance	.9	1	II	<P.A.L.		70		6.	
" " " "		3	I			37.5			
(4" Area - Buckets -									
Allowance Tank - " "	3.	21	II	6	II	225	100	70	10
" " " "		53	I	25	I	37.5	37.5		
(Area Material Spaning									
Around Tower - Feed point)	.2	.5	II	<P.A.L.		65		4	
		7.5	I			37.5			
Tower Room -									
Material in Hood	3.	12	II	<P.A.L.		200		50	
		24	I			37.5			

	Range mrep/hr	Weighting Factor	Total ft²		
Class I	7.5 - 37.5	1		117.5	25
Class II	37.5 - 300	5		34.5	6
Class III	300 - 3000	40		3	0
Class IV	> 3000	400		3	0
		Grand Total (ft²)		157	31

Maximum Reading β+γ: 64. / 70

WCX-2067 (10-53) K-25 SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS: Because of the [illegible] at Tower Bay

Inspector [illegible] Op. Supervisor [illegible] Date 5-18-61

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ALPHA CONTAMINATION AUDIT REPORT (5003)

Location K-1420 Large Equip. Decontamination Date 4-13-61

Supervisor in Charge J. Dyastre. Total Work Area 37000 ft²

Operations in Progress Routine Equipment Cleaning.

Protective Measures in Force [illegible]

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	194.	210.
	Area Factor (Total)	57.	40
	Area Factor (Wipe)	56.	63

SPECIFIC LOCATION	Area (ft²) and Class of Contamination: Surface		Wipe		Maximum Reading (c/m): Surface	Wipe
Floor & Equip. Contamination	866	I	788	I	2000	500
" " " " "	330	II	375	II	10000	2000
" " " " "	4	III	37	III	>12500	>12500
Top of Spray Booth	200	I	2064	I	2000	500
" " " "	2800	II	936	II	7000	1000
Floor & Equip. Tunnel & Pit	2108	I	2028	I	2000	500
" " " " "	92	II	52	II	3500	900
Compressor Pit	200	I	200	I	2000	500
" "	140	II	100	II	10000	2000
" "	60	III	100	III	>12500	4000
Col. No. 1-8 Floor & Equip	1834	I	3290	I	2000	500
" " " " "	142	II	210	II	3500	700
" " 8-13. " "	2352	I	2520	I	2000	500
" " " " "	480	II	420	II	10000	1800
" " " " "	48	III	—	—	>12500	—
" " 13-19 " "	1284	I	2278	I	1500	500
" " " " "	—	—	210	II	—	800
" " 19-26 " "	893	I	4[illegible]	I	2000	500
" " " " "	235	II	304	II	10000	2000
" " " " "	47	III	61	III	>12500	3500
De Formulin & Bath. Floor & Equip	35	II	55	II	10000	2000
" " " " "	75	III	55	III	>12500	4000

	Range (c/m) Surface	Wipe	Weighting Factor	Total ft²		
Class 0	*	—	0			
Class I	500-2000	100-500	1		9737	17804
Class II	2000-10,000	500-2000	5		4254	2661
Class III	>10,000	>2000	20		234	253
			Grand Total (ft²)		14225	20719

Beta < P.A.L.

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr) Hands	Shoes Personal	Shoes Issue	Clothing Personal	Clothing Issue	Gloves	Ren Ref. No.
NO ONE AVAILABLE								
SUMMARY: No. > P.A.L.								
SUMMARY: No. Checked								
SUMMARY: % Total Checks > P.A.L.								

Air Samples Taken - 4-20-61

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
Col- G- 2	329	2:41	10	170	0/0	0.07
Col- G- 6	330	2:44	10	110	0/0	0.15
Col- G- 8	331	2:53	10	130	0/0	0.18
Col- G- 10	332	2:56	10	100	0/0	0.18
Col- G- 12	333	3:05	10	170	0/0	0.18
Col- G- 14	334	3:08	10	90	0/0 ✓	0.18
Col- G- 16	335	3:18	10	170	0/0 ✓	0.13
Col- G- 19	336	3:23	10	80	0/0 ✓	0.14
Col- G- 20	337	3:32	10	140	0/0	0.05
Col- G- 24	338	3:33	10	110	0/0	0.06
SUMMARY: Air Samples 10	No. Taken		For Samples > P.A.L.		Total	Total 1.37
—	No. > P.A.L.				%	Average 0.13
—	% > P.A.L.					

REMARKS: Air Samples Taken on Col- lines G- Same close proximity to contaminated in electroless nickel plating facility. Leak temporarily repaired. Temporary painting lines stop leaking floor area.

Inspector T. R. Brown Op. Supervisor J. A. Dodson Date 4-20-61

Special Survey

ALPHA CONTAMINATION AUDIT REPORT

cation K-1420 Library Equipment Decontamination Date 4-11-61

Supervisor in Charge T. Dunstan Total Work Area 37,000 ft²

Operations in Progress Routine Equipment cleaning

Protective Measures in Force film badges, respirators, gloves, wash & lunch room facilities

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Surface Index	101.	
	Area Factor (Total)	44.	
	Area Factor (Wipe)		

SPECIFIC LOCATION	Area (ft²) and Class of Contamination: Surface		Wipe		Maximum Reading (c/m): Surface	Wipe
Cold Trap Room - floor & equip	800	I			2000	
" " " " " "	400	II			7500	
Col - #1 to Col #8 floor & equip -	2037	I			2000	
" " " " " " " "	97	II			4000	
Compressor Pit " " "	200	I			2000	
" " " " "	133	II			10000	
" " " " "	67	III			212500	
Col #8 to Col #13 floor & equip	3496	I			2000	
" " " " " " " "	480	II			7000	
Col #13 to Col #19 " " "	1456	I			1800	
Col #19 to Col #26 " " "	2288	I			2000	
" " " " " " " "	264	II			10000	
" " " " " " " "	88	III			212500	
Tunnel & Crusher Pit floor & equip	1936	I			2000	
" " " " " " "	264	II			4000	
Defoaming Booth — " " "	40	I			2000	
" " " " " "	35	II			10000	
" " " " " "	35	III			212500	
Top of Spray Booth	300	I			2000	
" " " "	2700	II			7000	

	Range (c/m) Surface	Range (c/m) Wipe	Weighting Factor		Surface	Wipe
Class 0	*	—	0	Total ft²	—	
Class I	500-2000	100-500	1		11533	
Class II	2000-10,000	500-2000	5		4373	
Class III	> 10,000	> 2000	20		190	
			Grand Total (ft²)		16116	

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS: _____

Inspector _____ Op. Supervisor _____ Date _____

BETA-GAMMA RADIATION AUDIT REPORT (5003)

Location K-1420 Lower Equip and Decont. Date 4-13-61

Supervisor in Charge J. Durstine Total Work Area 37,022 ft²

Operations in Progress Routine Equip cleaning

Protective Measures in Force Film badges, gloves, lunch/wash room facilities

SUMMARY

RADIATION		This Survey	Last Survey
	β+γ Index	0.2	0.0
	β+γ Area Factor	0.2	0.0
	γ Area Factor	0.3	0.0

SPECIFIC LOCATION	7.5 mrep/hr Distance (ft)	Area (ft²) and Class of Radiation β+γ		γ		Reading (mrep/hr) Maximum β+γ	Maximum γ	1 ft. β+γ	1 ft. γ
Floor/equip -		<P.A.L.		<P.A.L.					

	Range mrep/hr	Weighting Factor	Total ft²	β+γ	γ
Class I	7.5 - 37.5	1		0	0
Class II	37.5 - 300	5		0	0
Class III	300 - 3000	40		0	0
Class IV	> 3000	400		0	0
		Grand Total (ft²)		0	0

Maximum Reading β+γ _____

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PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
See Alpha Report								
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
See Alpha Report						
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS:

Inspector J. B. Bernard Op. Supervisor — Date —

① ~~[illegible]~~ 4-24-61 ✓
② Records File

ALPHA CONTAMINATION AUDIT REPORT

Location K-1420 Recovery Area (5004) Date 4-2-61

Supervisor in Charge D. Thursby Total Work Area 26,500 ft²

Operations in Progress Backline Recovery of 4-12 solution & 1610 solution plus maint on continuous dissolver

Protective Measures in Force Air Packs, respirators, gloves, lunch & wash room facilities

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	713.	824.
	Area Factor (Total)	92.	97.
	Area Factor (Wipe)	93.	97.

SPECIFIC LOCATION	Area (ft²) and Class of Contamination: Surface		Wipe		Maximum Reading (c/m): Surface	Wipe
E Area Main Floor - Floor Equip	4620	I	5130	I	2000	500
" " " " - " " "	2430	II	1188	II	10000	2000
" " " " " " "	300	III	432	III	>12500	>12500
"H" Area - Floor Equip	2760	I	2484	I	2000	500
" " " " "	3575	II	4692	II	10000	2000
" " " " "	297	III	414	III	>12500	>12500
Switch Room - east	600	I	600	I	2000	400
Switch Room - west	480	I	—	—	2000	— *
" " "	120	II	—	—	6000	—
"B" Area - Mezzanine Floor Equip	1240	I	2090	I	2000	500
" " " " " "	2237	II	1610	II	10000	2000
" " " " " "	310	III	140	III	>12500	11500
Sampling Area - Floor - Elevator floor	190	I	152	I	2000	500
" " " " " "	152	II	228	II	10000	1800
" " "	38	III	—	—	>12500	—
Rad Lab & Tower Room - Floor	68	I	150	II	2000	2000
" " " " " "	292	II	270	III	10000	>12500
" " " " " "	90	III	—	—	>12500	—
Steps - "B" Area to Mezzanine	85	II	85	II	9000	800
Mezzanine Rm & MFL Oil Recovery Rm.	45	I	150	I	2000	500
" " " " " " "	230	II	100	II	2500	1500
Steps to "H" Area from Sampling Area	60	I	180	II	2000	1800
" " " " " " "	30	II	—	—	10000	—
" " " " " " "	90	III	—	—	>12500	—
"F" Area - Floor Equip	1080	I	1804	I	2000	500
" " " " "	180	II	44	II	6000	1700
E Area Floor Equip	~~1705~~	~~I~~	~~480~~	~~I~~	~~2000~~	~~500~~
	~~682~~	~~II~~	~~1380~~	~~II~~	~~10000~~	~~2000~~
	~~155~~	~~III~~	~~720~~	~~III~~	~~>12500~~	~~>12500~~

	Range (c/m) Surface	Wipe	Weighting Factor	Total ft² Surface	Wipe
Class 0	*	—	0		
Class I	500-2000	100-500	1	13248	12890
Class II	2000-10,000	500-2000	5	9899	9687
Class III	>10,000	>2000	20	1265	1976
			Grand Total (ft²)	24411	24533

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

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PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr) Hands	Shoes Personal	Shoes Issue	Clothing Personal	Clothing Issue	Gloves	Rem Ref. No.
		3000		7500		5000	-	
		300		5000		300	-	
		1500		6500		7500	71X500	
SUMMARY: 7 No. > P.A.L.		2		3		2		
9 No. Checked		3		3		3		
78 % Total Checks > P.A.L.								

Air Samples Taken. 4-6-61

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
"B" Area - 6' from Col-A-15	319	12:50	10	140	0/0	0.12
" " 10' from Col-A-13	320	12:54	10	160	0/1	0.14
" " 10' from Col-A-11	321	1:05	10	140	1/1	0.14
Center of Rod Mill Room -	322	1:06	10	160	0/4	0.28
"B" Area Mezzanine Continuous Dissol	323	1:16	10	160	0/0	0.41
"H" Area - Col-BC-6	324	1:17	10	130	1/1	3.50 **
Tower Room -	325	1:45	10	140	0/0	0.77
E Area - East End	326	1:46	10	120	0/0	5.13
" " West End	327	1:58	10	110	0/2	0.39
"F" Area - East End -	328	2:00	10	120	0/0	0.65
SUMMARY: Air Samples 10	No. Taken		For Samples > P.A.L.		Total 1/1	Total 3.73
1	No. > P.A.L.				% 100	Average 0.31
10	% > P.A.L.					

REMARKS: * No wipe taken on that area due to area being painted and paint wet. ** Maint had just completed work on Tower and Tower started up. Decrease due to clean up and painting.

Inspector [signature] Op. Supervisor [signature] Date 4-20-61

BETA-GAMMA RADIATION AUDIT REPORT

Location: K-1420 Recovery Area (5004) Date: 4-6-61

Supervisor in Charge: J. Dunstan Total Work Area: 26,500 ft²

Operations in Progress: Routine recovery and cleaning out vertical fluorinator

Protective Measures in Force: Respirator, film badges, gloves, lunch & wash room facilities

SUMMARY

RADIATION		This Survey	Last Survey
	β+γ Index	1.9	0.66
	β+γ Area Factor	0.74	0.42
	γ Area Factor	0.06	0.12

SPECIFIC LOCATION	7.5 mrep/hr Distance (ft)	Area (ft²) and Class of Radiation β+γ		γ		Reading (mrep/hr) Maximum β+γ	Maximum γ	1 ft. β+γ	1 ft. γ
"B" Area - Cylinder Area.									
Area Leaks & Catchpans	.3	3	I	<P.R.L		70	—	3.	
"H" Area - Material Storage									
Ash Receivers & Buckets	1.8	2	II	2	II	90	75	10	7.5
" " " "		8	I	6	I	37.5	37.5		
Tower Room - material inflow	9.	7	III	5	I	1900	17	750	9.
" " " " "		41	II	—		300			
" " " " "		132	I			37.5			
"E" Area - Ash Receiver "C"	.8	2	I	2	I	15	15	5	5

	Range mrep/hr	Weighting Factor	Total ft²	β+γ	γ
Class I	7.5 - 37.5	1		145	13
Class II	37.5 - 300	5		43	2
Class III	300 - 3000	40		7	0
Class IV	> 3000	400		0	0
			Grand Total (ft²)	195	15

Maximum Reading β+γ: 44 / 750

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PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

See alpha survey

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

See alpha survey

REMARKS: Increase due to material in Tower Room - Tank 2PS
to temperature inversion at time of survey - operation
was cleaning material out of vertical flumehood.

Inspector J B Bomar Op. Supervisor E J Peter Date 4-20-61

Special Survey

ALPHA CONTAMINATION AUDIT REPORT

Location K-1420 Recovery Area- Date 4-11-61

Supervisor in Charge J. Dykstra-1 Total Work Area 26,500 ft²

Operations in Progress Processing 4-12 Solution and maint work in "E" Area on Refrigeration system.

Protective Measures in Force Film Badges, Respirators, gloves, lunch & wash Room facilities.

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Surface Index	304.	
	Area Factor (Total)	88.	
	Area Factor (Wipe)	—	

SPECIFIC LOCATION	Area (ft²) and Class of Contamination: Surface		Wipe		Maximum Reading (c/m): Surface	Wipe
"B" Area main floor and catwalk platform	4317	I			2000	
" " " " " " "	3728	II			10000	
" " " " " " "	528	III			712500	
" " Mezzanine floor & equip	1960	I			2000	
" " " " " "	1787	II			10000	
" " " " " "	98	III			712500	
"H" Area Storage- " " "	4370	I			2000	
" " " " " "	2880	II			10000	
" " " " " "	96	III			712500	
Smoking Area & Elevator- floor	152	I			2000	
" " " " "	152	II			10000	
" " " " "	76	III			712500	
Switch Rooms - East & West floor & equip	337	I			2000	
" " " " " " "	67	II			4500	
Tower & Rod mill Rooms-	338	II			10000	
" " " " "	112	III			712500	
Steps to "H" Area-	90	II			10000	
" " " "	90	III			712500	
Steps to "B" Area	85	II			9000	
"E" Area: floor & equip	1354	I			2000	
" " " " "	516	II			10000	
" " " " "	128	III			712500	
"F" Area- floor & equip -	612	I			2000	
" " " " "	136	II			8000	
Mercury & MEL oil Recovery Rms.	90	I			2000	
" " " " " "	225	II			9000	

	Range Surface	(c/m) Wipe	Weighting Factor		Surface	Wipe
Class 0	*	–	0	Total ft²	—	
Class I	500-2000	100-500	1		13137	
Class II	2000-10,000	500-2000	5		8999	
Class III	> 10,000	> 2000	20		1128	
				Grand Total (ft²)	23259	

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS: _____

Inspector _____ Op. Supervisor _____ Date _____

BETA-GAMMA RADIATION AUDIT REPORT (5005)

Location K-1420 Small Parts Decontamination Date 4-6-61

Supervisor in Charge J. Lickfaw Total Work Area 18,200 ft²

Operations in Progress Routine cleaning in building - contractor cleaning in area -

Protective Measures in Force Film badges, gloves, coats & lunch room facilities

SUMMARY

RADIATION		This Survey	Last Survey
	β+γ Index	0.69	0.03
	β+γ Area Factor	0.23	0.03
	γ Area Factor	0.0	0.0

SPECIFIC LOCATION	7.5 mrep/hr Distance (ft)	Area (ft²) and Class of Radiation β+γ		γ		Reading (mrep/hr) Maximum β+γ	Maximum γ	1 ft. β+γ	1 ft. γ
Trans-fer Trough and Hot-pit floor pad —	4	1	III	<PAL		900	<PAL	100	
		11	II			300			
		30	I			37.5			

	Range mrep/hr	Weighting Factor	Total ft²			
Class I	7.5 - 37.5	1		30	0	
Class II	37.5 - 300	5		11	0	Maximum Reading β+γ 44 / 100.
Class III	300 - 3000	40		1	0	
lass IV	>3000	400		0	0	
		Grand Total (ft²)		42	0	

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

None checked

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

None taken.

REMARKS: Increase due to build up of material from cleaning MD cylinders.

Inspector [signature] Op. Supervisor [signature] Date 4-20-61

JW ✓

ALPHA CONTAMINATION AUDIT REPORT

Location K1420 SMALL PARTS DISMANTLING (5006) Date 4-11-61

Supervisor in Charge J. DYKSTRA Total Work Area 700 ft^2

Operations in Progress NONE

Protective Measures in Force MANDATORY RESPIRATOR AREA.

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	1227	1464
	Area Factor (Total)	94	99
	Area Factor (Wipe)	100	100

SPECIFIC LOCATION	Area (ft^2) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
TABLES AND BENCHES	57	II			10,000	—
" " "	13	III	70	III	>12,500	>12,500
FLOOR	315	I	86	I	2000	500
	273	II	400	II	9000	2000
			144	III		>12,500

	Range Surface	Range (c/m) Wipe	Weighting Factor			
Class 0	*	—	0	Total ft^2		
Class I	500-2000	100-500	1		315	86
Class II	2000-10,000	500-2000	5		330	400
ass III	> 10,000	> 2000	20		13	214
			Grand Total (ft^2)		658	700

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

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PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
EAST END OF ROOM	HP316	9:00	17	180	0/0	1.10
WEST END OF ROOM	HP317	9:14	16	240	0/0	0.53
SUMMARY: Air Samples	2 No. Taken		For Samples > P.A.L.		Total 0/0	Total 1.63
	1 No. > P.A.L.				% —	Average 0.82
	50 % > P.A.L.					

REMARKS:

Inspector W.E. Muldoon Op. Supervisor E. J. [illegible] Date 4-27-61

W.E.M.
5-10-61

ALPHA CONTAMINATION AUDIT REPORT

Location K-1420 Lunch Area- (5008) Date 4-6-61
Supervisor in Charge J. Dykstra- Total Work Area 1000 ft²
Operations in Progress None

Protective Measures in Force Routine cleaning

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	66.	110.
	Area Factor (Total)	57.	72.
	Area Factor (Wipe)	14.	38.

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Lunch Tables-						
Top-					<100	<100
Seats					<100	<100
Floor	570	I	140	I	2000	200

	Range Surface	(c/m) Wipe	Weighting Factor			
Class 0	*	–	0	Total ft²	—	—
Class I	500-2000	100-500	1		570	140
Class II	2000-10,000	500-2000	5		0	0
Class III	> 10,000	> 2000	20		0	0
			Grand Total (ft²)		570	140

Both < P.A.L.

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr) Hands	Shoes Personal	Shoes Issue	Clothing Personal	Clothing Issue	Gloves	Rer Rei No.
		<100		400		<100	—	
SUMMARY: 0 No. > P.A.L.		0		0		0		
3 No. Checked		1		1		1		
— % Total Checks > P.A.L.								

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
N.E. Corner	339	9:00	6	78	0/0	0.17
S.W. Corner	340	9:08	6	78	0/1	0.0
SUMMARY: Air Samples	2	No. Taken		For Samples > P.A.L.	Total	Total 2.17
	0	No. > P.A.L.			%	Average 0.10
	0	% > P.A.L.				

REMARKS: Decrease due to routine clean up by both operational group & custodial services.

Inspector [illegible] Op. Supervisor [illegible] Date 5-1-61

* Special Surveys - Surface Only

Files

Special Survey

ALPHA CONTAMINATION AUDIT REPORT

cation K-1420 Lunch Room [redacted] Date 4-13-61

Supervisor in Charge W. Dykstra - Total Work Area 1000 ft²

Operations in Progress None

Protective Measures in Force Rooting Cleaning -

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Surface Index	61.	
	Area Factor (Total)	61.	
	Area Factor (Wipe)	—	

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Lunch Tables - Top -					<100	<100
Seats					<100	<100
Floor Area -	611	I			1800	

	Range Surface	Range (c/m) Wipe	Weighting Factor	Total ft²		
Class 0	*	–	0			
Class I	500-2000	100-500	1		611	0
Class II	2000-10,000	500-2000	5		0	0
ass III	> 10,000	> 2000	20		0	0
			Grand Total (ft²)		611	—

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

* Surveys made to obtain information in order to compare surface survey results with surface and wipe results.

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WCX-1320 (9-53) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity C/M/ft^3
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS: _____

Inspector _____ Op. Supervisor _____ Date _____

UNION CARBIDE

INTERNAL CORRESPONDENCE

UNION CARBIDE NUCLEAR COMPANY • POST OFFICE BOX P, OAK RIDGE, TENNESSEE

To (Name) Mr. R. J. Clouse
Company
Location K-1420

Date April 7, 1961
Originating Dept.
Answering letter date

Copy to Health Physics Files - RC ✓

Subject Special Air Sampling Program: K-1420 Calciner Area

As requested, a series of samples were obtained to evaluate the effect of the calciner and drum dryer operations on the environmental air in the "B" Area. Four individual checks were made in the area of "C" drum dryer and calciner with five samples taken each time, all of which were completed by March 16, 1961. The first test was made to determine background alpha activity, at which time only the drum dryer was in operation. The second test included a period during which the operator was rodding the calciner as is usual practice, and this took approximately three minutes. The third test was similar to the second except that a hose connected to the building vacuum system was placed immediately above the calciner opening during the rodding operation. The fourth test involved a check to determine "background" air activity with all of the equipment off. Figures 1 and 2 show the approximate locations of the sampling equipment.

The tests were conducted with uranium materials with a U-235 enrichment of 2%. As the isotopic enrichment is increased, and since the mass involved would be expected to remain the same, air activity can be expected to increase by about the same factor due to the increased specific activity.

W. E. Muldrew

W. E. Muldrew for
Safety and Health Physics

WEM:la

Attachments

-416-

SPECIAL AIR SAMPLING PROGRAM: K-1420 CALCINER AREA

GENERAL AIR

A. Main Floor - Front

The background alpha air activity at this location was 0.052 c/min/ft^3. During a three-minute rodding operation, the air activity increased by a factor of slightly greater than three to 0.160 c/min/ft^3. During the three-minute rodding operation when a vacuum hose was held over the rod opening, the activity was only slightly above background at 0.08 c/min/ft^3.

B. Main Floor - West Side

The background alpha air activity of 0.280 c/min/ft^3 was the highest measurement obtained at this location. During the two rodding operations, the respective air activities were 0.120 c/min/ft^3 and 0.060 c/min/ft^3. The background air activity at this location was not significantly affected by operations at this time.

C. Drum Dryer Platform - West Side

Only one sample was taken at this location. The activity was 0.685 c/min/ft^3 which is mainly due to the drum dryer operation.

D. Catwalk from Mezzanine - Directly Above Drum Dryer

The air activity at this location is affected by the operation of the drum dryer. Two background samples were taken, one with the drum dryer in operation and the other with the drum dryer off. These activities were 0.255 c/min/ft^3 and 0.075 c/min/ft^3, respectively. During the two 3-minute rodding operations previously described, the activity increased to 0.408 c/min/ft^3 in the first instance and 1.05 c/min/ft^3 in the second. The exact operational variations contributing to these increases could not be determined.

BREATHING ZONE AIR (CORRESPONDS TO OPERATOR WORK POSITION)

E. Sample Head Suspended Above Calciner Opening

During the two rodding operations, the air activity increased by a factor of four from the background reading of 0.410 c/min/ft^3 to 1.67 c/min/ft^3 in the first instance and by a factor of three to 1.25 c/min/ft^3 in the second instance when the vacuum hose was used.

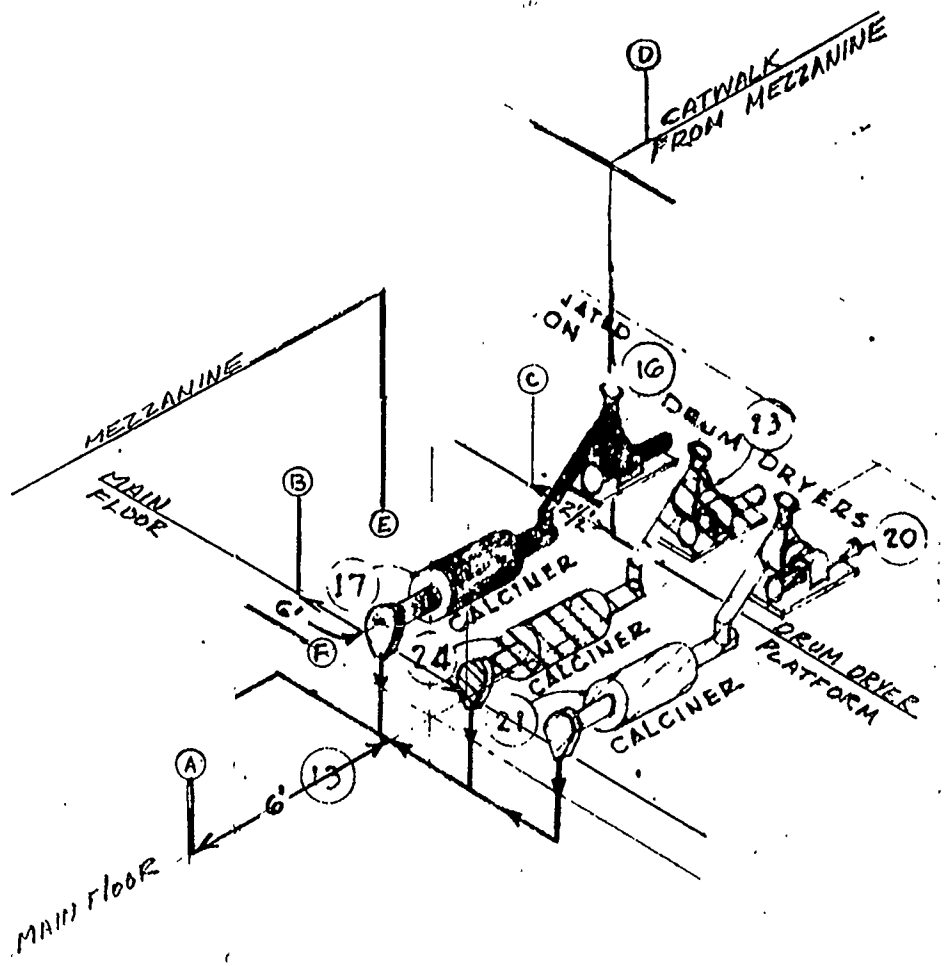
F. Operational Sample 1½' in Front of Calciner Opening

During normal rodding operations, the air activity increased from the background measurement of 0.316 c/min/ft^3 to 1.60 c/min/ft^3. However, when the vacuum hose was used, the activity remained essentially at background with a reading of 0.40 c/min/ft^3.

From the above, it can be seen that the operation of the drum dryer and rodding operations significantly increased the alpha air activity levels in the calciner area, particularly in the breathing zone area during rodding operations and on the mezzanine and catwalk above the equipment.

WEM:la

4-7-61



Ⓐ MAIN FLOOR — "HI-VOL" - FRONT
① 0.052 c/MIN/ft³ — ③ 0.08 c/MIN/ft³
② 0.160 c/MIN/ft³ ④ 0.06 c/MIN/ft³

Ⓑ MAIN FLOOR - "HI-VOL" WEST SIDE
① 0.280 c/MIN/ft³ ③ 0.060 c/MIN/ft³
② 0.120 c/MIN/ft³ ④ 0.010 c/MIN/ft³

Ⓒ DRUM DRYER PLATFORM - HI-VOL" WEST SIDE
① 0.658 c/MIN/ft³ - DRYER OPERATING

Ⓓ CATWALK FROM MEZZANINE - HI VOL"
① 0.255 c/MIN/ft³ ③ 1.05 c/MIN/ft³
② 0.408 c/MIN/ft³ ④ 0.015 c/MIN/ft³ ✱

Ⓔ SUSPENDED FROM MEZZANINE
4½' FROM CALCINER OPENING - "GAST"
① 0.410 c/MIN/ft³ ③ 1.25 c/MIN/ft³
② 1.67 c/MIN/ft³ ④ 0.49 c/MIN/ft³

Ⓕ BREATHING ZONE - 1½' FROM CALCINER OPENING - "GAST"
① 0.316 c/MIN/ft³ ③ 0.40 c/MIN/ft³
② 1.60 c/MIN/ft³ ④ 0.48 c/MIN/ft³

① BACKGROUND READINGS - "C" DRUM DRYER OPERATING
② "C" DRUM DRYER & CALCINER OPERATING - NORMAL RODDING FOR 3 MINUTES DURING TEST
③ "C" DRUM DRYER & CALCINER OPERATING - RODDING FOR 3 MINUTES DURING TEST WITH VACUUM HOSE OVER OPENING
④ BACKGROUND READINGS - "C" DRYER & CALCINER OPERATING NO RODDING OPERATIONS ✱ DRUM DRYER OFF

FIGURE 7

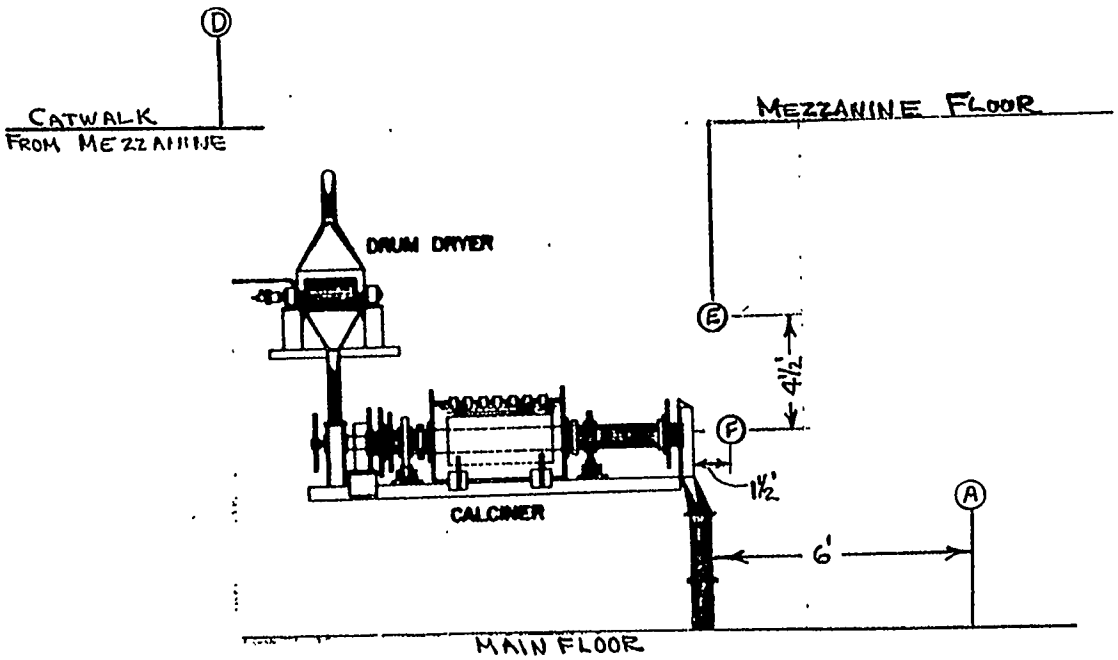

D
CATWALK
FROM MEZZANINE
MEZZANINE FLOOR
DRUM DRYER
E
4½'
F
1½'
CALCINER
A
6'
MAIN FLOOR

FIGURE 2

ALPHA CONTAMINATION AUDIT REPORT

ation K-1420 Recovery Area (5004) Date 5-2-61

Supervisor in Charge H. Dunstan Total Work Area [illegible] ft²

Operations in Progress Refinery Recovery - operation of continuous dissolver unit

Protective Measures in Force

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	[illegible]	1000.
	Area Factor (Total)	97.	97.
	Area Factor (Wipe)	97.	96.

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
"B" Area - Floor leaving calciner platform	2480	I	6000	I	2000	500
" " " " " " "	3630	II	1152	II	10000	2000
" " " " " " "	352	III	150	III	>12500	8000
"B" Area - " " " Mezzanine -	[illegible]	I	[illegible]	I	2000	500
	[illegible]	I	1265	II	10000	2000
	534	I	590	III	>12500	16000
"H" Area - Floor & dollies -	3420	I	904	I	2000	500
" " " " "	3895	II	6324	II	10000	2000
" " " " "	285	III	372	III	>12500	>12500
East Switch Room - Floor -	[illegible]	I	542	I	2000	400
" " " "	[illegible]	II	—	—	3000	—
West Switch Room - Floor	600	II	455	II	5000	2000
" " " "	—	—	150	III	—	9000
Steps - "E" Area - Plant Head to Mezzanine	85	II	85	II	9000	1500
Loading Area & Elevator platform	374	II	37	I	10000	500
" " " " "	6	III	348	II	>12500	1700
Steps to "H" Area -	36	II	125	II	10000	500
" " " "	144	III	54	II	>12500	4000
Red Mill & Tower Room	158	II	55	II	10000	[illegible]
" " " "	297	III	450	III	>12500	>12500
"E" Area - Mill Recovery -	1470	I	1397	I	2000	500
" " " "	70	II	480	II	8000	1600
"E" Area - Tube Conversion	783	I	1353	I	2000	500
" " " "	1479	II	1100	II	10000	2000
" " " "	590	III	215	III	>12500	6000
Mezzanine - U.E.B. Mill Recovery -	350	II	150	I	10000	500
	25	III	270	III	>12500	1500

	Range Surface (c/m)	Range Wipe (c/m)	Weighting Factor	Total ft² Surface	Total ft² Wipe
Class 0	*	–	0	—	
Class I	500-2000	100-500	1	11255	12360
Class II	2000-10,000	500-2000	5	12641	11473
ss III	> 10,000	> 2000	20	1778	1946
			Grand Total (ft²)	25694	25799

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

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WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr) Hands	Shoes Personal	Shoes Issue	Clothing Personal	Clothing Issue	Gloves	Re Re. No.
		600		21,500		3000	—	
		100		1700		1000		
SUMMARY:	1 No. > P.A.L.	1		1		0		
	6 No. Checked	2		2		2		
	17 % Total Checks > P.A.L.							

Air Samples Taken 3-7-61 AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
"E" Area - 1c! from calciners	207	9:27	10	150	0/0	0.02
" " Continuous Dissolver	208	9:30	10	140	0/0	0.01
Continuous Dissolver Feed Point	209	9:43	10	150	0/0	0.01
Mechanical calciner opening	210	9:44	10	140	0/0	0.01
"E" Area - BC-3	211	9:59	10	120	0/0	0.27
" " BC-6	212	9:58	10	146	0/1 **	1.11
"E" Area - West end	213	10:17	10	130	0/1	1.73
"E" Area East end	214	10:19	10	140	0/1	0.99
Ball Mill Room -	215	10:31	10	110	1/1 *	27.16
"F" Area - center -	216	10:32	10	150	0/0	0.79
SUMMARY: Air Samples	10	No. Taken		For Samples > P.A.L.	Total 1/3	Total 26.05
	3	No. > P.A.L.			% 33	Average 2.61
	30	% > P.A.L.				

REMARKS: * Cause for operating personnel
** Operation changing hoppers for "E" Area.
Decrease due to painting and clean up - since survey - "E" Area has been completed and "E" Area.

Inspector [illegible] Op. Supervisor R. E. Shelton Date 3-22-61

BETA-GAMMA RADIATION AUDIT REPORT

Location: K-1410 Recovery Area - (5004) Date: 3-14-61

Supervisor in Charge: T. Dyrstrep Total Work Area: 26,500 ft²

Operations in Progress: Pre-Start-up work on Recovery of 1410 Scale Test Solution

Protective Measures in Force: film badges, glove wash/lunch room facilities

SUMMARY

RADIATION	This Survey	Last Survey
β+γ Index	0.66	0.50
β+γ Area Factor	0.42	0.73
γ Area Factor	0.12	0.63

SPECIFIC LOCATION	7.5 mrep/hr Distance (ft)	Area (ft²) and Class of Radiation β+γ		γ		Reading (mrep/hr) Maximum β+γ	Maximum γ	1 ft. β+γ	1 ft. γ
12" Area - Calcine Area -									
Hopers at Drum Dumpers -	.7	.7	I	<P.A.L.		15	<P.A.L.	3.	
24" Area - Clean Area -									
Equipment - F.B. Section	2.5	.6	II	4	II	150	90	30	19
" " " "		69	I	26	I	37.5	37.5	—	—
Cambridge Filter	2.5	.5	III	.5	II	750	65	75.	7.5
" "		4.5	II	2.5	II	300	37.5	—	—
" "		13	I	—	—	37.5	—	—	—
Tower Room -									
Vertical Evaporator	1.5	3	I	<P.A.L.		15	—	10	—
Rod Mill Room -									
Pulverizer -	2.	1	II	<P.A.L.		75		20	
" "		11	I			37.5			

	Range mrep/hr	Weighting Factor	Total ft²			Maximum Reading β+γ
Class I	7.5 - 37.5	1		98.	28.5	Hf
Class II	37.5 - 300	5		11.5	4.5	
Class III	300 - 3000	40		.5	0	
ass IV	> 3000	400		0	0	
		Grand Total (ft²)		110	33	

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PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS: Increase due to [illegible] contamination in "H" Area. Corrective [illegible] is to turn out of "H" Area.

Inspector [illegible] Op. Supervisor R. E. Shelton Date 3-22-61

BETA-GAMMA RADIATION AUDIT REPORT (5005)

Location K-1420 [illegible] Date 5-12-61

Supervisor in Charge [illegible] Total Work Area [illegible] ft²

Operations in Progress Vapor blasting seal parts

Protective Measures in Force Film badges, gloves, [illegible] lunch room facilities

SUMMARY

RADIATION		This Survey	Last Survey
	β+γ Index	0.03	0.37
	β+γ Area Factor	0.03	0.15
	γ Area Factor	0.0	0.0

SPECIFIC LOCATION	7.5 mrep/hr Distance (ft)	Area (ft²) and Class of Radiation β+γ		γ		Reading (mrep/hr) Maximum β+γ	Maximum γ	1 ft. β+γ	1 ft. γ
Floor Fan									
Screen on Exhaust Line	1.1	2	I	<PAL.		25	—	7	—
Transfer Tank	1.4	4	I	<PAL.		30	—	10	—

	Range mrep/hr	Weighting Factor	Total ft²	β+γ	γ
Class I	7.5 - 37.5	1		6	0
Class II	37.5 - 300	5		0	0
Class III	300 - 3000	40		0	0
lass IV	> 3000	400		0	0
		Grand Total (ft²)		6	0

Maximum Reading β+γ 10 Uff

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$

SUMMARY:	Air Samples		No. Taken		For Samples > P.A.L.	Total		Total
			No. > P.A.L.			%		Average
			% > P.A.L.					

REMARKS: Decrease due to lower readings at filter pan and on Transfer Tough.

Inspector [illegible] Op. Supervisor R. E. Shelton Date 3-22-61

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JW

ALPHA CONTAMINATION AUDIT REPORT

:ation K1420 SMALL PARTS DISMANTLING (5006) Date 3-14-61

-upervisor in Charge J. DIKSTRA Total Work Area 700 ft^2

Operations in Progress NONE

Protective Measures in Force MANDATORY RESPIRATOR AREA, WASH FACILITIES

SUMMARY:

ALPHA CONTAMINATION		This Survey	Last Survey
	Index	1464	1586
	Area Factor (Total)	99	100
	Area Factor (Wipe)	100	100

SPECIFIC LOCATION	Area (ft^2) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
TABLES AND BENCHES	12	II			10,000	—
" " "	58	III	70	III	712,500	712,500
FLOOR	247	I	10	I	2000	500
"	338	II	504	II	10,000	2000
"	42	III	116	III	712,500	7500

	Range Surface	(c/m) Wipe	Weighting Factor	Total ft^2		
Class 0	*	–	0			
Class I	500-2000	100-500	1		247	10
Class II	2000-10,000	500-2000	5		350	504
ıss III	> 10,000	> 2000	20		100	186
			Grand Total (ft^2)			

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rer Re No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
NO	WORK	IN	PROGRESS					
SUMMARY: No. > P.A.L.								
No. Checked								
% Total Checks > P.A.L.								

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
S.E. CORNER OF ROOM	HP 249	9:20	10	100	0/0	0.78
N.W CORNER OF ROOM	HP 250	9:32	10	100	0/0	0.54

SUMMARY:							
Air Samples	2	No. Taken		For Samples > P.A.L.	Total		Total 1.32
	0	No. > P.A.L.			%		Average 0.66
	0	% > P.A.L.					

REMARKS:

Inspector W. E. Muldrew Op. Supervisor R. E. Shelton Date 3-23-61

~~Original~~ WEM
Record File

ALPHA CONTAMINATION AUDIT REPORT (5009)

ation K-1420 Chemical Treatment Plant Date 3-8-61
Supervisor in Charge J. Dykstra Total Work Area 9400 ft²
Operations in Progress Routine office work

Protective Measures in Force Routine cleaning

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	101.	112.
	Area Factor (Total)	34.	22.
	Area Factor (Wipe)	13.	14.

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Hallway leading into Recreation Room	20	I	300	I	2000	300
" " " "	270	II	—	—	8000	—
Walkway - in locker room (315)	203	I	315	I	2000	400
" " " "	112	II	—	—	4000	
First Locker Room - Lockers Seats.	48	I	—	—	2000	—
" " " " "	26	II	—	—	5000	—
" " " Floor -	147	I	178	I	2000	210
" " " "	333	II	—	—	3500	—
Bath Room - outside of Showers.	192	I	—	—	2000	—
Center Locker Room - Lockers Seats.	60	I	—	—	2000	—
" " " " "	7	II	—	—	2500	—
" " " Floor -	396	I	62	I	2000	300
" " " "	22	II	—	—	2500	—
Hallway - North South - Leading to LE	275	I	360	I	2000	500
" " " " " " "	175	II	—	—	10000	—
" " " " " " "	50	III	—	—	17500	—
Wash Room - west - Floor	90	I	—	—	2000	—
" " " "	90	II	—	—	6500	—
" " East Floor -	140	I	—	—	2000	—
	4	II	—	—	3000	—
Storage Room - for custodial supplies	94	I	24	I	2000	140
Exit Room -	24	I	—	—	1700	—
Cleaning Supply Room -	57	I	—	—	1600	—
Locker Room - East - Floor	144	I	—	—	1000	—
" " " Seats	6	I	—	—	700	—
Side Alley -	37	I	—	—	800	—

	Range Surface (c/m)	Range Wipe (c/m)	Weighting Factor	Total ft²		
Class 0	*	–	0		—	—
Class I	500-2000	100-500	1		2124	1189
Class II	2000-10,000	500-2000	5		1137	0
Class III	> 10,000	> 2000	20		50	0
			Grand Total (ft²)		3311	1189

Pet J L P.A.L.

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Re Re. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
Hot Locker Room - (East)	HP 218	7:25	10	110	0/0	0.09
Cold Locker Room - (West)	219	7:26	10	130	0/0	0.09

SUMMARY:	Air Samples				For Samples > P.A.L.	Total		Total 0.18
		2	No. Taken					Average 0.09
		0	No. > P.A.L.			%		
		—	% > P.A.L.					

REMARKS:

Inspector [signature] Op. Supervisor _____ Date _____

ALPHA CONTAMINATION AUDIT REPORT

Location K-Plant Offices & Facilities (Part 2) Date _____

Supervisor in Charge _____ Total Work Area _____ ft^2

Operations in Progress _____

Protective Measures in Force _____

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index		
	Area Factor (Total)		
	Area Factor (Wipe)		

SPECIFIC LOCATION	Area (ft^2) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Office #2 - Floor	75	I	25	I	1000	150
Office #3 - Floor	15	I	—	—	800	—
Conference Room - Floor	18	I	—	—	700	—
Hallway - Floor	108	I	—	—	1600	—

	Range Surface	(c/m) Wipe	Weighting Factor	
Class 0	*	–	0	Total ft^2
Class I	500-2000	100-500	1	
Class II	2000-10,000	500-2000	5	
Class III	> 10,000	> 2000	20	
			Grand Total (ft^2)	

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

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PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem. Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS: Levels remain about the same.

Inspector [signature] Op. Supervisor [signature] Date 3-22-61

ALPHA CONTAMINATION AUDIT REPORT

cation K-1420 Lunch Area - (5008) Date 3-7-61

Supervisor in Charge J. Dynstere - Total Work Area 1000 ft²

Operations in Progress None

Protective Measures in Force Routine Cleaning

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	110.	75.
	Area Factor (Total)	77.	43.
	Area Factor (Wipe)	38.	37

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Lunch Tables -						
Top -					<100	<100
Seats	23	I	—	—	800	—
Floor -	700	I	378	I	1400	300

	Range Surface	(c/m) Wipe	Weighting Factor			
Class 0	*	–	0	Total ft²		
Class I	500-2000	100-500	1		723	378
Class II	2000-10,000	500-2000	5		0	0
Class III	> 10,000	> 2000	20		0	0
			Grand Total (ft²)		723	378

Both < P.A.L.

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

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PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
None present								
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
Center -	HP017	10:53	8	112	0/0	0.05

SUMMARY:	Air Samples				For Samples > P.A.L.	Total	%	Total	Average
		1	No. Taken					0.05	0.05
		0	No. > P.A.L.						
		—	% > P.A.L.						

REMARKS: Increase probably due to [illegible] from work area

Inspector J B Brown Op. Supervisor J D Dobson Date 3-22-61

ALPHA CONTAMINATION AUDIT REPORT (5003)

Location K-1420 Large Equipment Decontamination Date 7-14-61

Supervisor in Charge J. Dunstan Total Work Area 37,000 ft²

Operations in Progress Cleaning Tunnel parts at floor pad

Protective Measures in Force film badges, gloves, wash & lunch room facilities

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	210.	90.
	Area Factor (Total)	40.	[illegible]
	Area Factor (Wipe)	62.	[illegible]

SPECIFIC LOCATION	Area (ft²) and Class of Contamination: Surface		Wipe		Maximum Reading (c/m): Surface	Wipe
Floor Equip Col-27 to 19 -	697	I	2250	I	3000	500
" " " " " "	189	II	135	II	8000	1000
" " " Defoaming Room -	586	I	630	I	2000	500
" " " " "	366	II	192	II	10000	2000
" " " " "	134	III	124	III	71x60	4000
Spray Booth -	[illegible]	II	1460	I	5000	500
" " " " "	—	—	1540	II	—	1800
Tunnel & Washer Pit Floor Equip	1170	I	2100	I	[illegible]	300
" " " " " " "	1080	II	—	—	[illegible]	—
Floor south of Spray Booth	752	I	680	I	2000	500
" " " " "	18	II	90	II	3500	700
Floor & Equip Col-19 to Col-13	630	I	2944	I	[illegible]	[illegible]
" " " " " " "	8	II	128	II	[illegible]	800
" " " Col-13 to Col-8	3332	I	6325	I	2000	500
" " " " " " "	208	II	310	II	5000	1800
" " " Col-8 to Col-1	884	I	2564	I	2000	[illegible]
" " " " " " "	57	II	240	II	6000	[illegible]
" " " Cold Trap Rm.	875	I	580	I	2000	500
" " " " " "	175	II	380	II	10000	[illegible]
" " " " " "	—	—	40	III	—	10000
Compressor Pit -	368	I	160	I	5000	500
	30	II	200	II	10000	2000
	10	III	40	III	71x60	71x60

	Range Surface	(c/m) Wipe	Weighting Factor				B+J 2 P.A.L.
Class 0	*	–	0	Total ft²	—	—	
Class I	500-2000	100-500	1		9421	19659	
Class II	2000-10,000	500-2000	5		5070	3715	
Class III	> 10,000	> 2000	20		144	214	
			Grand Total (ft²)		14635	23118	

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr) Hands	Shoes Personal	Shoes Issue	Clothing Personal	Clothing Issue	Gloves	Rer Rev No.
		<100		500		<100		
		<100		300		<100		
SUMMARY:	No. > P.A.L.	0		0		0		
	No. Checked	2		2		2		
	% Total Checks > P.A.L.							

Samples Taken 2-8-61

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
Cold Repo Room HP. 115		17:28	10	150	0/0	0.19
Col- D-5	116	17:30	10	130	0/0	0.4
Col- G-8	117	17:47	10	150	0/0	0.31
Col- C-10	118	17:44	10	160	0/0	0.43
Col- D-11	119	17:56	10	160	1/2 ✓ *	0.97
East of Hot pan	120	17:59	10	150	0/1 ✓ **	0.15
Col- G-20	121	1:11	10	170	0/0	0.11
Col- G-22	122	1:15	10	150	0/0	0.05
SUMMARY: Air Samples	8	No. Taken		For Samples > P.A.L.	Total	Total 2.63
	0	No. > P.A.L.			%	Average 0.33
	—	% > P.A.L.				

REMARKS: * Employees removing [illegible] from storage
** Cleaning Equipment in Hot pan.
Improved in Cold Room for period 2/13 up and
temperature now is reduced permitting [illegible]

Inspector [signature] Op. Supervisor [signature] Date 2-21-61

Record File

BETA-GAMMA RADIATION AUDIT REPORT

(5 pc3)

Location K-1420 Large Equipment Decontamination Date 2-14-61

Supervisor in Charge L. Dykstra Total Work Area 37,000 ft²

Operations in Progress Cleaning small parts at floor pan.

Protective Measures in Force Film Badges, gloves, wash & lunch room facilities

SUMMARY

RADIATION		This Survey	Last Survey
	β+γ Index	0.0	0.0
	β+γ Area Factor	0.0	0.0
	γ Area Factor	0.0	0.0

SPECIFIC LOCATION	7.5 mrep/hr Distance (ft)	Area (ft²) and Class of Radiation β+γ		γ		Reading (mrep/hr) Maximum β+γ	Maximum γ	1 ft. β+γ	1 ft. γ
Floor & equip -						<PBL	<PBL		

	Range mrep/hr	Weighting Factor				
Class I	7.5 - 37.5	1	Total ft²	0	0	
Class II	37.5 - 300	5		0	0	Maximum Reading
Class III	300 - 3000	40		0	0	β+γ
lass IV	> 3000	400		0	0	
		Grand Total (ft²)		0	0	

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

See Alpha Survey

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$

SUMMARY:	Air Samples		No. Taken		For Samples > P.A.L.	Total		Total
			No. > P.A.L.			%		Average
			% > P.A.L.					

See Alpha Survey

REMARKS: _____

Inspector W B Bomar Op. Supervisor _____ Date _____

Special Survey

ALPHA CONTAMINATION AUDIT REPORT

Location K-1420 Large Equip Area — Date 2-3-61

Supervisor in Charge _____ Total Work Area _____ ft²

Operations in Progress _____

Protective Measures in Force _____

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index		
	Area Factor (Total)		
	Area Factor (Wipe)		

SPECIFIC LOCATION	Area (ft²) and Class of Contamination: Surface	Wipe	Maximum Reading (c/m): Surface	Wipe
Tanks Removed in order KMP-2-1963-1				
Item #1 —				
Outside Readings (Surface) - 37 Readings Ranging from 400 c/m to [illegible] c/m - Avge. 2618				
" " (Wipe) - 14 " " " <100 c/m to 400 c/m - Avge. 219 c				
Inside Readings (Surface) 4 Readings Ranging from 3000 c/m to 5500 c/m - Avge. 3875 c/m				
" " (Wipe) 2 " " 1100 - 2500 c/m - Avge. 2700 c/m - Avge. 2100 c/m				
Inside Beta + Gamma - 0.5 mr/hr Gamma - 0.1 mr/hr				
Item #2.				
Outside Readings (Surface) 18 Readings Ranging from <100 c/m to 2000 c/m Avge. 395 c/m				
" " (Wipe) 11 " " " <100 c/m to 500 c/m " 136 c/m				
Inside Readings (Surface) 2 " " 11000 c/m to 14,000 c/m Avge. 12,500 c/m				
" " (Wipe) 1 Reading with a count of 27,50 c/m.				
Inside Beta + Gamma - 0.35 mr/hr - Gamma - 0.25 mr/hr.				
Item #3				
Inside Readings (Surface) 15 Readings Ranging from <100 c/m to 12,500 c/m Avge. - 1540 c/m				
" " (Wipe) 10 Taken from 12,450 Surface Reading with a count 3000 c/m				
Inside Readings (Surface) 2 Readings - One 200 - One 300 c/m Avge. 250 c/m				
" " (Wipe) None Taken -				
Beta + Gamma (Outside) 0.7 mr/hr Gamma - 0.08 mr/hr				
Instruments used in Taking Readings were - Eberline RAO-3G Alpha				
" E-500A - Beta-Gamma				

	Range Surface	(c/m) Wipe	Weighting Factor	Total ft²
Class 0	*	–	0	
Class I	500-2000	100-500	1	
Class II	2000-10,000	500-2000	5	
Class III	> 10,000	> 2000	20	
			Grand Total (ft²)	

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

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PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rer Rei No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS: _____

Inspector _____ Op. Supervisor _____ Date _____

ALPHA CONTAMINATION AUDIT REPORT

ation K-1420 Recovery Area (5004) Date 2-6-61

pervisor in Charge J. Dykstra Total Work Area 26,500 ft²

Operations in Progress Recovery operation & routine maint

Protective Measures in Force Respirators film badges, hand count, lunch & wash room facilities, and gloves

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	1000.	881.
	Area Factor (Total)	97.	89.
	Area Factor (Wipe)	90.	87

SPECIFIC LOCATION	Area (ft²) and Class of Contamination: Surface		Wipe		Maximum Reading (c/m): Surface	Wipe
"B" Area - Floor & equipt & blower platform	3180	I	5415	I	2000	500
" " " " " " "	3552	II	684	II	10000	2000
" " " " " " "	562	III	56	III	>12,500	8000
" " Mezzanine floor & equip	1860	I	1764	I	2000	500
" " " " " "	1800	II	1508	II	10000	2000
" " " " " "	180	III	208	III	>12500	8000
Switch Room - center - (600 ft²)	360	I	600	II	2000	1700
" " " "	240	II	—	—	7000	—
Switch Room - East (600 ft²)	540	I	600	I	2000	400
" " " "	60	II	—	—	3000	—
Rod Mill Room - (225 ft²)	193	II	135	II	10000	2000
" " " "	32	III	90	III	>12500	>12500
Smoking Room & Elevator -	380	II	290	II	8000	2000
" " " "	—	—	90	III	—	2500
Steps to "H" Area - 180 ft²	36	II	120	II	10000	2000
" " " " "	144	III	60	III	>12500	3000
Steps in "B" Area to Mezzanine (85)	85	II	85	II	10000	1000
"F" Area - Misc Recovery - 1980 ft²	984	I	1196	I	2000	500
" " " " " "	738	II	208	II	10000	1700
" " " " " "	10	III	—	—	>12500	—
MF Lab & Mercury Recovery Rms -	90	I	225	I	2000	500
" " " " " "	360	II	225	II	4000	800
Tower Room - floor - (225 ft²)	225	III	225	III	>12500	>12500
E Area Oxide Conversion	860	I	176	I	2000	500
" " " "	1238	II	1590	II	10000	2000
" " " "	487	III	814	III	>12500	>12500
H Area - floor	3470	I	4474	I	2000	2000
" " "	3877	II	3106	II	10000	>12500
	308	III		III	>12500	
Total ft²	11294		9376			
	12554		9919			
	1943		4649			
Grand Total (ft²)	25791		23944			

	Range Surface	(c/m) Wipe	Weighting Factor	
Class 0	*	—	0	
Class I	500-2000	100-500	1	
Class II	2000-10,000	500-2000	5	
Class III	> 10,000	> 2000	20	

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr) Hands	Shoes Personal	Shoes Issue	Clothing Personal	Clothing Issue	Gloves	Re-Re. No.
		300		300		300	—	
		300		1500		300	—	
		1500		7500		1500	9000	
		700		7500		17500	—	
SUMMARY:	4 No. > P.A.L.	1		2		1		
	17 No. Checked	4		4		4		
	23 % Total Checks > P.A.L.							

Air Samples Taken 2-8-61 AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity C/M/ft^3
"B" Area Cal-A-15	103	9:19	10	0/1	130	0.04
" " " Cal-A-13	104	9:21	10	0/0	150	0.06
" " " Cal-A-11	105	9:34	10	0/0	140	0.06
Rod Mill Room -	106	9:36	10	0/2	130	0.28
Weighing - Scale Balances	107	9:51	10	0/0	140	0.04
" Cent. Dissolver Feed Tank	108	9:54	10	0/1	140	0.11
" U-Area Cal-RC-6	109	10:10	10	0/4	170	* 1.48
" " " " " -2	110	10:17	10	0/0	160	0.02
F Area Center Tower Room -	111	10:29	10	0/0	120	0.77
	112	10:31	10		130	1.27
E Area - East End	113	10:47	10	0/1-0/7	140	0.63
" " West End	114	10:46	10		140	* 3.45
SUMMARY: Air Samples	17	No. Taken		For Samples > P.A.L.	Total 0/11	Total 7.61
	3	No. > P.A.L.			% 0	Average 0.63
	23	% > P.A.L.				

REMARKS: * Plant was dismantling equip (Feed Hopper & extract lines in E Area. Carpenters were cleaning out lines in E Area. Survey was made during dismantling of Equip in E Area and before clean up was made after. Fat Rags were moved in "E" Area. "B" and "F" Areas have been painted since survey. Clean up is in progress in "E" Area.

Inspector [signature] Op. Supervisor [signature] Date 2-21-61

BETA-GAMMA RADIATION AUDIT REPORT

Location K-1420 Recovery Area (5004) Date 2-16-61

Supervisor in Charge J. Dunstan Total Work Area 26,500 ft²

Operations in Progress Routine Recovery & Clean up.

Protective Measures in Force Film Badges, Radiation Alarms, gloves, lunch & wash room facilities

SUMMARY

RADIATION		This Survey	Last Survey
	β+γ Index	0.50	0.34
	β+γ Area Factor	0.73	0.25
	γ Area Factor	0.63	0.01

SPECIFIC LOCATION	7.5 mrep/hr Distance (ft)	Area (ft²) and Class of Radiation β+γ		γ		Reading (mrep/hr) Maximum β+γ	Maximum γ	1 ft. β+γ	1 ft. γ
"B" Area. Calutron Area-									
Dennis & Heffelfinger filters, etc-	1.	3	II	<PAL		70	<PAL	70	
" " " " "		18	I			37.5			
"B" Area. Catch-pan in									
" Line - Ct-B-36	.6	3	I	<PAL		14	<PAL	7	<PAL
"A" Area - Material Storage									
Always safe cans-	2.	3	II	6	I	100	30	70	5
" " "		18	I			37.5			
Cambridge Filter	2.5	.5	III	.5	II	1000	6.5	100	7.5
" "		6.5	II	2.5	I	300	37.5	—	—
" "		10	I	—	—	37.5		—	—

	Range mrep/hr	Weighting Factor	Total ft²			Maximum Reading β+γ
Class I	7.5 - 37.5	1		49	8.5	144
Class II	37.5 - 300	5		14.5	.5	
Class III	300 - 3000	40		.5	0	100
Class IV	> 3000	400		0	0	
		Grand Total (ft²)		62	9	

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PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
SUMMARY: No. > P.A.L.								
SUMMARY: No. Checked								
SUMMARY: % Total Checks > P.A.L.								

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS: Cambridge Filter in E" Area is to be opened but was processed.

Inspector [illegible] Op. Supervisor [illegible] Date 7-21-61

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BETA-GAMMA RADIATION AUDIT REPORT

(5005)

Location K-1412 Equipment Decontamination Date 2-16-61

Supervisor in Charge J. Jutrich Total Work Area 18,200 ft²

Operations in Progress Roofing small parts cleaning

Protective Measures in Force Film badges, gloves, radiation alarms tested, fresh room facilities

SUMMARY

RADIATION		This Survey	Last Survey
	β+γ Index	0.37	1.7
	β+γ Area Factor	0.15	0.57
	γ Area Factor	0.0	0.0

SPECIFIC LOCATION	7.5 mrep/hr Distance (ft)	Area (ft²) and Class of Radiation β+γ		γ		Reading (mrep/hr) Maximum β+γ	Maximum γ	1 ft. β+γ	1 ft. γ
Receiving Flange-piping & valves-	.5	4	I	<P.A.L.		35		3.	
Transfer Trough at	-								
Floor pan-	2.5	8	II			90	—	45	—
" "		12	I			37.5	—		—
Screen on Exhaust-Lines	1.	3	I			30		7.5	

	Range mrep/hr	Weighting Factor	Total ft²	β+γ	γ
Class I	7.5 - 37.5	1		19	-
Class II	37.5 - 300	5		8	-
Class III	300 - 3000	40		0	0
lass IV	> 3000	400		0	0
		Grand Total (ft²)		27	0

Maximum Reading β+γ 44 / 45

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PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS: [illegible] due to lower readings at other parts
Transfer Tubing

Inspector [signature] Op. Supervisor [signature] Date 2-21-61

① ~~JICW~~
② Resin file

ALPHA CONTAMINATION AUDIT REPORT (5004)

:ation K1420 SMALL PARTS DISMANTLING Date 2-16-61

ɹpervisor in Charge J. DYKSTRA Total Work Area 700 ft^2

Operations in Progress NONE

Protective Measures in Force

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	1586	1935
	Area Factor (Total)	100	98
	Area Factor (Wipe)	100	96

SPECIFIC LOCATION	Area (ft^2) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
WORK TABLES	24	II	—		10,000	—
" "	80	III	104	III	712500	712500
FLOOR	347	I	—		2000	—
"	187	II	409	II	10,000	2000
"	62	III	187	III	712500	10,000

	Range Surface	(c/m) Wipe	Weighting Factor			
Class 0	*	–	0	Total ft^2		
Class I	500-2000	100-500	1		347	—
Class II	2000-10,000	500-2000	5		214	409
ıss III	>10,000	>2000	20		142	291
			Grand Total (ft^2)		700	700

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

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PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rer Rei No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity C/M/ft^3
N.E. CORNER	HP161	8:52 AM	10	150	%	0.11
WEST END	HP162	9:05 AM	10	150	%	0.03

SUMMARY:	Air Samples						
	2	No. Taken	For Samples > P.A.L.	Total —		Total 0.14
	0	No. > P.A.L.		% —		Average 0.07
	0	% > P.A.L.				

REMARKS:

Inspector W E Muldrew Op. Supervisor [illegible] Date 3-1-61

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(1) ~~[illegible]~~ WE TN-
(2) Files

ALPHA CONTAMINATION AUDIT REPORT

Location K-1420 Lunch Area - (5008) Date 2-16-61
Supervisor in Charge W. Dunstra - Total Work Area 1000 ft²
Operations in Progress None

Protective Measures in Force Routine

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	75.	36.
	Area Factor (Total)	43.	23.
	Area Factor (Wipe)	27.	13.

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Lunch Tables -						
Tops -					<100	<100
Seats	12	I			600	<100
Floor -	414	I	320	I	2000	300

	Range Surface	Range (c/m) Wipe	Weighting Factor	Total ft²		
Class 0	*	–	0			
Class I	500-2000	100-500	1		426	320
Class II	2000-10,000	500-2000	5		0	0
Class III	> 10,000	> 2000	20		0	0
			Grand Total (ft²)		426	320

B+J - P.A.L.

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

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PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Re-Re. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
None checked								
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
None taken						
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS: Survey was made after hot particles were removed before clean up by custodial service. This area is swept twice daily - M.W. thru Fri.

Inspector [illegible] Op. Supervisor R. E. Shelton Date 2-21-61

ALPHA CONTAMINATION AUDIT REPORT

.ation K-1420 Large Equip. Decontamination Date 1-4-61

Supervisor in Charge J. Dykstra Total Work Area _____ ft^2

Operations in Progress Routine

Protective Measures in Force Respirators, film badges, gloves, hand count-
ers & Lunch Room facilities

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index		
	Area Factor (Total)		
	Area Factor (Wipe)		

SPECIFIC LOCATION	Area (ft^2) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Re-Ret. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
SUMMARY: No. > P.A.L.								
No. Checked								
% Total Checks > P.A.L.								

None checked.

Air samples Taken - 1-4-61

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
Col-D-5	~~AP~~-16	1:28	10	130	0/0	0.23
Col-D-9	17	1:34	10	130	0/0	0.1.
Col-D-13 Floor Pan	18	2:17	10	80	0/0	0.25
Col-D-17	19	2:14	10	140	0/0	0.14
Col-D-21	20	2:25	10	100	0/1	0.68
Col-D-25	21	2:27	10	150	0/0	0.11

SUMMARY: Air Samples							
	6	No. Taken		For Samples > P.A.L.	Total		Total 1.47
	0	No. > P.A.L.			%		Average 0.24
	—	% > P.A.L.					

REMARKS: Area was not survey this month (JAN) only air samples Taken.

Inspector J B Byman Op. Supervisor J D Wodson Date 2-1-61

ALPHA CONTAMINATION AUDIT REPORT

Location K-1420 Recovery Area - (5004) Date 1-9-61

Supervisor in Charge LT. Dykstra. Total Work Area 26,500 ft²

Operations in Progress Recovery Operation + routine maint.

Protective Measures in Force Respirators, film badges, hand count, lunch & wash room facilities, and gloves.

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	81.	87.
	Area Factor (Total)	89.	87.
	Area Factor (Wipe)	87.	85.

SPECIFIC LOCATION	Area (ft²) and Class of Contamination: Surface		Wipe		Maximum Reading (c/m): Surface	Wipe
"B" Area - Main floor & Equip & catwalk platform	3201	I	4316	I	2000	500
" " " " " " " " "	3399	II	1820	II	10000	2000
" " " " " " " " "	627	III	624	III	>12500	>12500
"B" Area - Mezzanine Floor & Equip	1280	I	572	I	2000	500
" " " " " " "	2200	II	2657	II	10000	2000
" " " " " " "	370	III	577	III	>12500	8000
Rod Mill Tower & Grinding Rooms 450	225	II	450	III	10000	>12500
" " " " " "	225	III	—	—	>12500	—
Steps from "B" Area to Mezzanine	85	II	85	II	10000	1500
"H" Area - Floor & Equip - (2600)	5082	I	1000	I	2000	500
" " " " " "	1652	II	5600	II	10000	2000
" " " " " "	198	III	1000	III	>12500	>12500
Elevator & Smoking Area - (380)	90	I	380	II	2000	2000
" " " " "	290	II	—	—	10000	—
Switch Room - "Center of Area" - (600 ft²)	510	I	600	II	2000	1200
" " " " "	90	II	—	—	5000	—
"I" Area - Oxide Conversion -	885	I	884	I	2000	500
" " " "	1078	II	1020	II	10000	2000
" " " "	385	III	408	III	>12500	>12500
Steps of Elevator - (180 ft²)	40	II	40	II	10000	2000
" " " "	140	III	140	III	>12500	6000
"F" Area - Floor & equip -	1040	I	278	I	2000	500
" " " " "	104	II	178	II	10000	2000
" " " " "	3	III	78	III	>12500	6000
MFL Oil & Mercury Recovery Rms.	90	I	225	I	2000	500
	360	II	225	II	4000	800
Class 0						
Class I	12178		7875			
Class II	9523		12600			
Class III	1898		3772			
Grand Total (ft²)	23599		23147			

	Range Surface	(c/m) Wipe	Weighting Factor	
Class 0	*	–	–	Total ft²
Class I	500-2000	100-500	1	
Class II	2000-10,000	500-2000	5	
Class III	> 10,000	> 2000	20	

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination (C/M) (mrep/hr) Hands	Shoes Personal	Shoes Issue	Clothing Personal	Clothing Issue	Gloves	Re Re. No.
		500		4500		800	8000	
		500		2500		600	>12500	
		1500		6500		8000	>12500	
		300		7500		500	—	
		150		3000		400	3000	
SUMMARY: 5 No. > P.A.L.		1		3		1		
15 No. Checked		5		5		5		
33 % Total Checks > P.A.L.								

Air Samples Taken 1-3-61

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity C/M/ft^3
"B" Area - Main Floor Col B-1185	# 5	12:11	10	80	0/0	0.00
" " " " West of Calcinces	6	12:18	10	100	0/0	0.6
" " " " E. of Continuous Dis.	7	12:25	10	100	0/2	0.10
" " Mezzanine W. of Calcinice Mixing	8	12:34	10	120	0/0	0.07
" " " W. of Storage Tanks.	9	12:40	10	100	0/0	0.08
"H" Area - Center of West End	10	12:45	10	130	0/0	0.12
" " " " East End	11	12:54	10	110	0/0	0.09
"F" Area " " West End	12	1:00	10	120	0/0	0.75
Smoking Area Center -	13	1:07	10	120	0/0	0.44
E Area Center of East End	14	1:13	10	130	0/2	2.47
" " " West End	15	1:20	10	90	0/0	5.21
SUMMARY: Air Samples	11	No. Taken		For Samples > P.A.L.	Total 0/7	Total 9.47
	2	No. > P.A.L.			% 0	Average 0.86
	18	% > P.A.L.				

REMARKS: Levels were brought forward from last month in "F" Area and mercury and MFH oil recovery due to sand blasting in these areas - Over P.A.L air samples taken in "E" Area were taken while system was down - however maint was working in area electrical, instrument and mechanical. Employees with >P.A.L shoes will be rechecked and action taken according

Inspector J B Bonner Op. Supervisor R. E. [illegible] Date 1-12-61

BETA-GAMMA RADIATION AUDIT REPORT

Location: K-1420 Recovery Area - (5004) Date: 1-12-61

Supervisor in Charge: W. Dunstan Total Work Area: 26,500 ft²

Operations in Progress: Routine recovery + routine maint

Protective Measures in Force: Film Badges, Radiation alarms, Respirators + Gloves.

SUMMARY

RADIATION	This Survey	Last Survey
β+γ Index	0.34	2.9
β+γ Area Factor	0.25	0.29
γ Area Factor	0.01	0.09

SPECIFIC LOCATION	7.5 mrep/hr Distance (ft)	Area (ft²) and Class of Radiation β+γ		γ		Reading (mrep/hr) Maximum β+γ	Maximum γ	1 ft. β+γ	1 ft. γ
"B" Area Column Area -									
Drum Dryers + Hoppers -	1.5	2	II	<P.AL		80	-	25	
" " " "		16	I			37.5			
"B" Area - catch pad for pump -									
Column - B-36	0.2	2	I	<P.AL.		10	-	3	—
B-Area - Main Floor									
Area around continuous Dissolver	1.5	1	II	<P.AL.		70.		17.	
" " " "		7	I			37.5			
"B" Area Mezzanine " "	1.2	12	I	<P.AL.		35		12.	
Mezzanine Floor.									
"H" Area Material Storage									
Always-safe cans -	1.2	3	II	3	I	100	30	13	3
" " "		14	I	—	—	37.5	—	—	—
Grinding Room -									
Material around Grinder	1.1	6	I	<P.AL.		35	—	9	—
Tower Room -									
material above ash rec	.9	2	I	<P.AL.		12		6	

	Range mrep/hr	Weighting Factor		β+γ	γ
Class I	7.5 - 37.5	1	Total ft²	59	3
Class II	37.5 - 300	5		6	0
Class III	300 - 3000	40		0	0
Class IV	> 3000	400		0	0
			Grand Total (ft²)	65	3

Maximum Reading β+γ: 44. 25.

WCX-2067 (10-53) K-25 SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		

ALPHA CONTAMINATION AUDIT REPORT

(5005)

ation K-1420 Small Parts Decontamination Date 1-16-'61

Supervisor in Charge T. Dyrstra Total Work Area 18,700 ft²

Operations in Progress Routine dismantling and cleaning small parts

Protective Measures in Force Respirators, film badges, gloves, hand count, lunch & wash room facilities

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	284.	761.
	Area Factor (Total)	53.	29.
	Area Factor (Wipe)	77.	31.

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Floor, Equip, pallets from Col 7 to 4	270	I	880	I	2000	500
" " " " " "	16	II	80	II	10000	2000
" " " " " "	16	III	32	III	>12000	>12000
Floor & Equip from Col 4 to Col 10	900	I	939	I	2000	500
" " " " " "	100	II	36	II	10000	1800
West Wash Room, Hallway & Common Bath Rm	308	I	340	I	2000	400
" " " " " " "	32	II	—	—	7000	—
Floor - Col-10 - to Col-16 -	2304	I	2310	I	2000	500
" " " "	824	II	1386	II	10000	2000
" " " "	192	III	231	III	>12000	6000
Floor, Equip, Tables, & Benches - Col-16 to 22	2730	I	3900	I	2000	500
" " " " " " "	665	II	560	II	10000	2000
" " " " " " "	70	III	80	III	>12000	6000
East Wash Room - Floor & Benches	42	I	60	I	1500	300
Floor, pallets, equip & drums -	1152	I	2160	I	2000	500
" " " " "	120	II	120	II	10000	2000
" " " " "	6	III	60	III	>12000	4000

	Range Surface	(c/m) Wipe	Weighting Factor	Total ft²		
Class 0	*	—	0			
Class I	500-2000	100-500	1		7656	10589
Class II	2000-10,000	500-2000	5		1757	2182
Class III	> 10,000	> 2000	20		284	403
			Grand Total (ft²)		9697	13174

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

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WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr) Hands	Shoes Personal	Shoes Issue	Clothing Personal	Clothing Issue	Gloves	Re Re. No.
		800		7500*		5000	712500	
		300		5000		2000	—	
SUMMARY: 3 No. > P.A.L.		0		2		1		
6 No. Checked		2		2		2		
50% Total Checks > P.A.L.								

*Shoes were pretty wet.

Samples Taken 1-4/5-'61

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity C/M/ft^3
Col- G-22	HP-22	2:37	10	120	0/1	0.26
Col- G-20	" 23	2:40	10	150	0/0	0.7
Col- G-17	24	2:54	8	88	0/0	1.27
East of Hove pan -	25	2:54	8	112	0/1	0.35
Col-J-11	26	11:55	10	100	0/0	0.27
Col-J-9	27	11:57	10	130	0/0	0.38
Col-J-5	28	12:09	10	150	0/0	0.21
SUMMARY: Air Samples 7	No. Taken		For Samples > P.A.L.		Total 0/0	Total 3.33
1	No. > P.A.L.				% —	Average 0.48
14	% > P.A.L.					

REMARKS: Rise in levels due to increase in work and Tearing out & removing equip and Tanks in area.

Inspector J B Bonnar Op. Supervisor J. E. Whitatic Date 1-19-61

/

BETA-GAMMA RADIATION AUDIT REPORT (5005)

Location K-1420 Small Parts Decontamination Pad Date 1-17-61

Supervisor in Charge J. Dykstra Total Work Area 18,200 ft²

Operations in Progress Routine dismantling & cleaning small parts

Protective Measures in Force film badges, respirators, gloves, hand count.

SUMMARY

RADIATION		This Survey	Last Survey
	β+γ Index	1.7	2.7
	β+γ Area Factor	0.57	1.3
	γ Area Factor	0.0	0.0

SPECIFIC LOCATION	7.5 mrep/hr Distance (ft)	Area (ft²) and Class of Radiation β+γ		γ		Reading (mrep/hr) Maximum β+γ	γ	1 ft. β+γ	γ
Floor east of floor pan - and trans fer trough for solutions.	5.	4	III	<P.AL.		3000		750	
		16	II			300			
		56	I			37.5			
Floor inside cleaning area and vent opening -	1.5	1	II	<P.AL.		65		17	
		15	I			37.5			
Material on cleaning tools	.5	2	I	<P.AL.		30		3.	

	Range mrep/hr	Weighting Factor	Total ft²			Maximum Reading β+γ
Class I	7.5 - 37.5	1		73	0	
Class II	37.5 - 300	5		17	0	17
Class III	300 - 3000	40		4	0	
Class IV	> 3000	400			0	750
		Grand Total (ft²)		94	0	

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PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
See Alpha Survey								
SUMMARY: No. > P.A.L.								
No. Checked								
% Total Checks > P.A.L.								

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
See Alpha Survey						
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS: Max Reading of 3R on Transfer Trough due to cleaning a large number on M.D. Type cylinders

Inspector J B Brown Op. Supervisor J. E. [illegible] Date [illegible]

RW ✓
B

ALPHA CONTAMINATION AUDIT REPORT

:ation K-1420 SMALL PARTS DISMANTLING (5006) Date 1-30-61
..pervisor in Charge JOE DYKSTRA Total Work Area 700 ft^2
Operations in Progress NONE

Protective Measures in Force RESPIRATORS, FILM BADGES, GLOVES, COVERALLS & ISSUED SHOES

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	1935	1386
	Area Factor (Total)	98	79
	Area Factor (Wipe)	96	83

SPECIFIC LOCATION	Area (ft^2) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
TOP OF TABLES	20	I	—	—	2000	—
" "	80	III	80	III	>12500	>12500
FLOOR AND EQUIPMENT	35	I	20	I	2000	500
" " "	510	II	300	II	10,000	2000
" " "	40	III	270	III	>12500	7000

	Range Surface	(c/m) Wipe	Weighting Factor			
Class 0	*	–	0	Total ft^2		
Class I	500-2000	100-500	1		55	20
Class II	2000-10,000	500-2000	5		510	300
ıss III	> 10,000	> 2000	20		120	350
				Grand Total (ft^2)	685	670

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rer Re. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
No WORK IN	PROGRESS							
SUMMARY: No. > P.A.L.								
No. Checked								
% Total Checks > P.A.L.								

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity C/M/ft^3
EAST END	HP 88	12:18	14	117		1.39
WEST END	HP 89	12:38	14	200		1.58

SUMMARY: Air Samples							
	2	No. Taken	For Samples > P.A.L.	Total %		Total 2.97
	2	No. > P.A.L.		%		Average 1.49
	100	% > P.A.L.				

REMARKS: INCREASE DUE TO EXTRA LOAD - FREE MATERIAL NOTICEABLE ON FLOOR.

Inspector W E Muldrew Op. Supervisor E. Carrs Date 2-7-61

~~① W.E.M.~~, W.E.M.
② Records File ✓

ALPHA CONTAMINATION AUDIT REPORT

Location K-1420 Lunch Area - (5008) Date 1-5-61
Supervisor in Charge J. Dykstra - Total Work Area 1000 ft²
Operations in Progress None -
Protective Measures in Force Hand Counter & Routine cleaning

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	36.	68.
	Area Factor (Total)	23	38.
	Area Factor (Wipe)	13.	5.0

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Tables - Tops -					<100	<100
" Seats -	4	I	—	—	800	<100
Floor Area	224	I	132	I	1000	200

	Range Surface	(c/m) Wipe	Weighting Factor				B+J < P.A.L.
Class 0	*	–	0	Total ft²			
Class I	500-2000	100-500	1		228	132	
Class II	2000-10,000	500-2000	5		0	0	
Class III	> 10,000	> 2000	20		0	0	
			Grand Total (ft²)		228	132	

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Re Ret. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

PAGE 1 OF 5

BUILDING (1 B M)	LOCATION (1-48)	DIVISION CODE (49-50)	LOCATION CODE (51-52)
K-1420	RECOVERY AREA	03	01

AUDITED BY (SIGNATURE): L. P. Muldrew

REVIEWED WITH (SIGNATURE): B. J. Forrester

FIXED PROTECTION (Personal - Fire)

IBM	CLASS CODE (53-54)	NO. INSPECTED (55-58)	NO. SATISFACTORY (59-62)	DATE (63-70)
	01	12	8	11-02-61

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Sprinkler System	1		Fire Extinguishers	III	
Emergency Exits	—		Protective Equip. Supply		
Emergency Station	—		P. A. System	1	
Evacuation Alarm	—		Safety Showers	III	1(37-13)[b] 1(9-12)[c]
Eye Baths	II	2(32-7)[a]	Standpipes	1	
Fire Alarm Boxes	1		Other (Note in Remarks)		
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Damaged	10. Missing
2. Contents	11. Respiratory Equipment	2. Deteriorated	11. Not Labelled
3. Door	12. Rack	3. Dirty	12. Not Lighted
4. Fusible Link	13. Rollers	4. Improperly Stored	13. Not Posted
5. Hardware	14. Sprinkler Head	5. Inaccessible or Blocked	14. Out of Test Date
6. Hose	15. Stop Valve	6. Inadequate	15. Unsealed
7. Identification Light	16. Track	7. Inoperative	16. Other (Note in Remarks
8. Nozzle	17. Unit	8. Leaking	
9. Operating Instructions	18. Other	9. Location Not Indicated	

REMARKS: (a) Water pressure extremely low Bares - F area inoperative
(b) Safety showers test in E' area missing - Green light should be removed [illegible]
(c) B area emergency light burned out.

ENVIRONMENTAL CONTROL

IBM	CLASS CODE (53-54)	NO. INSPECTED (55-58)	NO. SATISFACTORY (59-62)
	02	12	8

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Cleanliness, Orderliness	IIII	3(6-2,3)[b]	Radiation (Thermal)	1	
Disposal of Scrap; Waste	1		Radiation (Arc, Ionizing)	—	
Protection of Hazardous or Flammable Refuse	II	1(6-24,1)[a]	Traffic Control	1	
Storage — Material and Equipment	1		Illumination	1	
Storage — Compressed Gas Cylinders	—		Ventilation	1	
Vegetation Control	—		Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Creates Fire Hazard	10. Inadequate or Improper Ventilation Equipment	19. Not Properly Secured
2. Lunch Room	2. Dirty	11. Inadequate Warning Signs	20. Pedestrian Lanes Not Indicated
3. Office	3. Excessive Accumulation	12. Incorrect Lighting Fixtures	21. Poor Arrangement
4. Storage Area	4. Excessive Glare	13. Inoperative Equipment	22. Poorly Stacked
5. Washroom	5. Fire Lanes Blocked	14. Insufficient Illumination	23. Unsafe Method Used
6. Work Area	6. Inadequate Barricades	15. Materials Not Stored in Designated Areas	24. Wrong Type Container
	7. Inadequate Insulation	16. Material Protruding into Aisles	25. Special Hazards Not Marked
	8. Inadequate Sheilding	17. Metal Cap Missing	26. Ventilation Equipment Not Being Used
	9. Inadequate Traffic Markers	18. No Containers	27. Other (Note in Remarks)

REMARKS: 2 fire w. extinguishers [illegible] jammed in corner by ice [illegible]. ~~No waste containers [illegible]~~ Wrong type containers used.
(b) MFL - Oil recovery room generally junked up - too much [illegible] laying all over area.
Old cans, [illegible] and miscellaneous junk in H' area

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01 - Fixed Protection 02 - Environmental Control

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

WORK SURFACES	IBM	CLASS CODE 03 (53 - 54)	NO. INSPECTED 24 (55 - 58)	NO. SATISFACTORY 24 (59 - 62)

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Cat	//		Ladder (stationery)	/	
Exit	//		Platforms	///	
Floors	/		Scaffolds	—	
Furniture	///		Stairs	~~////~~ ~~////~~	
Ladder (portable)	///		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS	IBM	CLASS CODE 04 (53 - 54)	NO. INSPECTED 4 (55 - 58)	NO. SATISFACTORY 3 (59 - 62)

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Combustible Gas	/		Steam (Bld Ht.- Below 250 psig)	/	
Flammable Liquid	—		Steam (High Pressure - above - 250 psig)	—	
Toxic or Corrosive Liquid	/		Air	/	1 (6-12)
Toxic or Corrosive Gas	—		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Cleaning Tank	9. Insulation	1. Broken	9. Kinked
2. Controls	10. Pipe	2. Corroded	10. Leaking
3. Couplings	11. Regulators	3. Damaged	11. Missing
4. Metal Containers	12. Safety Devices	4. Deteriorated	12. Not Pinned
5. Glass Containers	13. Tubing	5. Inadequate	13. Not Properly Identified
6. Hose	14. Valves	6. Inadequate Pressure Rating	14. Not Sealed
7. Grounding	15. Vents	7. Incorrect	15. Not Shielded
8. Guards or Supports	16. Housing	8. Inoperative	16. Plugged
	17. Other (Note in Remarks)		17. Other (Note in Remarks)

REM

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

ELECTRICAL	IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
		05	14	11
		53 - 54	55 - 58	59 - 62

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM - CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Corded Equipment	1	(9-7)3
Utilization Equipment	11	
Other (Note in Remarks)	—	
High Voltage Equipment (Above 480 Volts)		
Disconnects	—	
Rotating Equipment	—	
Other (Note in Remarks)	—	

ITEMS UNSATISFACTORY

1. Boxes
2. Box Covers
3. Conduit
4. Connectors
5. Breaker
6. Grounds
7. Ground Mats
8. Identification
9. Inspection Date and Tag
10. Insulation
11. Plugs
12. Receptacles
13. Safety Switch
14. Switch
15. Warning Signs
16. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Does Not Meet Plant Specifications
6. Exposed Terminals
7. Missing
8. Not Provided
9. Ungrounded
10. Unguarded
11. Other (Note in Remarks)

REMARKS:

WORK PRACTICES	IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
		06	9	9
		53 - 54	55 - 58	59 - 62

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	—		Use of Safe Attire	1	
Use of Tools	—		Use of Personnel Portective Devices	11	
Use and Maintenance of Machines & Equipment	—		Work Habits	—	
Use of Ionizing Radiation Sources	—				

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Use
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
	07	7	7
	53 - 54	55 - 58	59 - 62

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
E Powered	—	
Hand	THL 11	
Hydraulic	—	
Pneumatic Powered	—	
Powder Actuated	—	
Laboratory Glassware	—	

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remark
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
	08	15	15
	53 - 54	55 - 58	59 - 62

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor	—		Power Truck	—	
Chain Hoist	—		Tractor	—	
Electric Hoist	11		Plant Railway	—	
Winch or Tugger	—		Skid	—	
Sling	11		Pallet	11	
Lifting Fixture	11		Bicycle	—	
Dolley	THL 1		Bus	—	
Hand Truck	—		Passenger Car	—	
Wheelbarrow	—		Motor Truck	—	
Fork Truck	1		Other (Note in Remarks)	—	

UNSATISFACTORY PART

1. Access Ladders	9. Couplings	17. Fittings	25. Hitches	33. Runers
2. Bell	10. Crank	18. Forks	26. Hooks	34. Switches
3. Brakes	11. Crossing Signals	19. Frame	27. Horn	35. Ties
4. Bumping Post	12. Crossing Signs	20. Glass	28. Interlocks	36. Track
5. Cable	13. Dead Man Controls	21. Grounding Connection	29. Lights	37. Wheels
6. Chain	14. Deck	22. Guards	30. Limitswitches	38. Whistle
7. Clearance Markers	15. Dog	23. Handles	31. Road Bed	39. Other (Note in Remarks)
8. Controls	16. Exhaust	24. Handrails	32. Rope	

UNSATISFACTORY CONDITION

1. Broken	5. Damaged	9. Improperly Located	13. Maintenance	17. Other (Note in Remarks)
2. Construction	6. Deteriorated	10. Inadequate	14. Missing	
3. Corroded	7. Illegible	11. Inoperative	15. Overloaded	
4. Cracked	8. Improperly Adjusted	12. Kinked	16. Protruding Fastenings	

REMARKS:

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS—COMPRESSED GAS CYLINDERS	IBM	CLASS CODE 09 (53 - 54)	NO. INSPECTED 12 (55 - 58)	NO. SATISFACTORY 12 (59 - 62)

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITI
A· Tank	—		Freon Tank	1	
Air Receivers	—		HF Tank	—	
Boilers	—		UF6 Containers	~~1~~ ~~1~~ 1	
Compressed Gas Cylinders	—		Water Storage Heaters	—	
Fluorine Tank	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Past Due
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Plugged
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Unsecured
4. Dikes	11. Shell	4. Deterioated	11. Missing	18. Other (Note in Remarks)
5. Drip Pans	12. Test	5. Inadequate	12. Not Sealed	
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Shielded	
7. Grounding or Bonding	14. Other (Note in Remarks)	7. Incorrect	14. Open Valve	

REMARKS:

SAFETY AUDIT REPORT

UCN - 2b21 (1 9-60)

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE
K-1420	SMALL PARTS DISMANTLING	03	01
IBM 1-48		49-50	51-52

AUDITED BY (SIGNATURE): L. Muldrow

REVIEWED WITH (SIGNATURE): E. J. Forrester

FIXED PROTECTION (Personal - Fire)

IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
	01	1	1	10-18-
	53 - 54	55 - 58	59 - 62	63 - 70

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Sprinkler System	/		Fire Extinguishers	—	
Emergency Exits	—		Protective Equip. Supply	—	
Emergency Station	—		P. A. System	—	
Evacuation Alarm	—		Safety Showers	—	
Eye Baths	—		Standpipes	—	
Fire Alarm Boxes	—		Other (Note in Remarks)	—	
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Damaged	10. Missing
2. Contents	11. Respiratory Equipment	2. Deteriorated	11. Not Labelled
3. Door	12. Rack	3. Dirty	12. Not Lighted
4. Fusible Link	13. Rollers	4. Improperly Stored	13. Not Posted
5. Hardware	14. Sprinkler Head	5. Inaccessible or Blocked	14. Out of Test Date
6. Hose	15. Stop Valve	6. Inadequate	15. Unsealed
7. Identification Light	16. Track	7. Inoperative	16. Other (Note in Remarks
8. Nozzle	17. Unit	8. Leaking	
9. Operating Instructions	18. Other	9. Location Not Indicated	

REMARKS:

ENVIRONMENTAL CONTROL

IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
	02	6	5
	53 - 54	55 - 58	59 - 62

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Cleanliness, Orderliness	/		Radiation (Thermal)	/	
Disposal of Scrap; Waste	/		Radiation (Arc, Ionizing)	—	
Protection of Hazardous or Flammable Refuse	/		Traffic Control	—	
Storage — Material and Equipment	/		Illumination	/	(6-14)(1)
Storage — Compressed Gas Cylinders	—		Ventilation		
Vegetation Control	—		Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Creates Fire Hazard	10. Inadequate or Improper Ventilation Equipment	19. Not Properly Secured
2. Lunch Room	2. Dirty	11. Inadequate Warning Signs	20. Pedestrian Lanes Not Indicated
3. Office	3. Excessive Accumulation	12. Incorrect Lighting Fixtures	21. Poor Arrangement
4. Storage Area	4. Excessive Glare	13. Inoperative Equipment	22. Poorly Stacked
5. Washroom	5. Fire Lanes Blocked	14. Insufficient Illumination	23. Unsafe Method Used
6. Work Area	6. Inadequate Barricades	15. Materials Not Stored in Designated Areas	24. Wrong Type Container
	7. Inadequate Insulation	16. Material Protruding into Aisles	25. Special Hazards Not Marked
	8. Inadequate Sheilding	17. Metal Cap Missing	26. Ventilation Equipment Not Being Used
	9. Inadequate Traffic Markers	18. No Containers	27. Other (Note in Remarks)

REMARKS:

(1). 2 of 8 FIXTURES NOT BURNING. - COVER GLASS EXTREMELY DIRTY

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01 - Fixed Protection 02 - Environmental Control

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

WORK SURFACES	IBM	CLASS CODE 03 (53 - 54)	NO. INSPECTED 6 (55 - 58)	NO. SATISFACTORY 6 (59 - 62)

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON
Cat	—		Ladder (stationery)	—	
Exit	//		Platforms	—	
Floors	/		Scaffolds	—	
Furniture	///		Stairs	—	
Ladder (portable)	—		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS	IBM	CLASS CODE 04 (53 - 54)	NO. INSPECTED 3 (55 - 58)	NO. SATISFACTORY 1 (59 - 62)

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Combustible Gas	—		Steam (Bld Ht.- Below 250 psig)	—	
Flammable Liquid	—		Steam (High Pressure - above - 250 psig)	—	
Toxic or Corrosive Liquid	—		Air	///	2 (3-12)
Toxic or Corrosive Gas	—		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Cleaning Tank	9. Insulation	1. Broken	9. Kinked
2. Controls	10. Pipe	2. Corroded	10. Leaking
3. Couplings	11. Regulators	3. Damaged	11. Missing
4. Metal Containers	12. Safety Devices	4. Deteriorated	12. Not Pinned
5. Glass Containers	13. Tubing	5. Inadequate	13. Not Properly Identified
6. Hose	14. Valves	6. Inadequate Pressure Rating	14. Not Sealed
7. Grounding	15. Vents	7. Incorrect	15. Not Shielded
8. Guards or Supports	16. Housing	8. Inoperative	16. Plugged
	17. Other (Note in Remarks)		17. Other (Note in Remarks)

REM

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

ELECTRICAL	IBM	CLASS CODE 05 (53 - 54)	NO. INSPECTED 4 (55 - 58)	NO. SATISFACTORY 4 (59 - 62)

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM - CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Corded Equipment	—	
Utilization Equipment	////	
Other (Note in Remarks)	—	
High Voltage Equipment (Above 480 Volts)		
Disconnects	—	
Rotating Equipment	—	
Other (Note in Remarks)	✓	

ITEMS UNSATISFACTORY

1. Boxes
2. Box Covers
3. Conduit
4. Connectors
5. Breaker
6. Grounds
7. Ground Mats
8. Identification
9. Inspection Date and Tag
10. Insulation
11. Plugs
12. Receptacles
13. Safety Switch
14. Switch
15. Warning Signs
16. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Does Not Meet Plant Specifications
6. Exposed Terminals
7. Missing
8. Not Provided
9. Ungrounded
10. Unguarded
11. Other (Note in Remarks)

REMARKS:

WORK PRACTICES	IBM	CLASS CODE 06 (53 - 54)	NO. INSPECTED 8 (55 - 58)	NO. SATISFACTORY 5 (59 - 62)

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	—		Use of Safe Attire	//	
Use of Tools	//		Use of Personnel Portective Devices	//	2(15)
Use and Maintenance of Machines & Equipment	—		Work Habits	//	1(29)
Use of Ionizing Radiation Sources	—				

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Use
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
07	2	2
IBM 53 - 54	55 - 58	59 - 62

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered	—	
Hand	//	
Hydraulic	—	
Pneumatic Powered	—	
Powder Actuated	—	
Laboratory Glassware	—	

UNSATISFACTORY TOOL

1. Axe
2. Buffer
3. Cable Cutter
4. Chipper
5. Chisel
6. Drill
7. File
8. Grinder
9. Hammer
10. Hatchet
11. Impact Wrench
12. Jack
13. Knife
14. Nail Puller
15. Pliers
16. Punch
17. Sander
18. Saw
19. Screwdriver
20. Shears
21. Soldering Iron
22. Stud Driver
23. Tongs
24. Wire Brush
25. Wrench
26. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Dull
5. Edge Not Guarded
6. Guarding
7. Handle Broken
8. Handle Loose
9. Handle Missing
10. Handle Rough
11. Improper Angle on Cutting Edge
12. Improper Ground
13. Improper Storage
14. Inspection Date and Tag
15. Mushroomed Head
16. Insulation Broken
17. No Handle Guard
18. No Locking Pin
19. Plug Broken
20. Spread Jaws
21. Worn
22. Worn Jaws
23. Other (Note in Remarks)

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

CLASS CODE	NO. INSPECTED	NO. SATISFACTOR
~~08~~		
IBM 53 - 54	55 - 58	59 - 62

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor			Power Truck		
Chain Hoist			Tractor		
Electric Hoist			Plant Railway		
Winch or Tugger			Skid		
Sling			Pallet		
Lifting Fixture			Bicycle		
Dolley			Bus		
Hand Truck			Passenger Car		
Wheelbarrow			Motor Truck		
Fork Truck			Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders
2. Bell
3. Brakes
4. Bumping Post
5. Cable
6. Chain
7. Clearance Markers
8. Controls
9. Couplings
10. Crank
11. Crossing Signals
12. Crossing Signs
13. Dead Man Controls
14. Deck
15. Dog
16. Exhaust
17. Fittings
18. Forks
19. Frame
20. Glass
21. Grounding Connection
22. Guards
23. Handles
24. Handrails
25. Hitches
26. Hooks
27. Horn
28. Interlocks
29. Lights
30. Limitswitches
31. Road Bed
32. Rope
33. Runers
34. Switches
35. Ties
36. Track
37. Wheels
38. Whistle
39. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Construction
3. Corroded
4. Cracked
5. Damaged
6. Deteriorated
7. Illegible
8. Improperly Adjusted
9. Improperly Located
10. Inadequate
11. Inoperative
12. Kinked
13. Maintenance
14. Missing
15. Overloaded
16. Protruding Fastenings
17. Other (Note in Remarks)

REMARKS:

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SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

PAGE 1 OF 4

BUILDING	LOCATION	DIVISION CODE	LOCATION COD
K-1420	CHANGE HOUSE AND OFFICES	03	01
I B M 1-48		49-50	51-52

AUDITED BY (SIGNATURE): E. Muldoon

REVIEWED WITH (SIGNATURE): E. J. Forrester

FIXED PROTECTION (Personal - Fire)

IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
	01	8	6	10-18-61
	53 - 54	55 - 58	59 - 62	63 - 70

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION
Automatic Sprinkler System	/		Fire Extinguishers	1111	2(17-9)
Emergency Exits	—		Protective Equip. Supply	/	
Emergency Station	—		P. A. System	/	
Evacuation Alarm	—		Safety Showers	—	
Eye Baths	—		Standpipes	—	
Fire Alarm Boxes	/		Other (Note in Remarks)	—	
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Damaged	10. Missing
2. Contents	11. Respiratory Equipment	2. Deteriorated	11. Not Labelled
3. Door	12. Rack	3. Dirty	12. Not Lighted
4. Fusible Link	13. Rollers	4. Improperly Stored	13. Not Posted
5. Hardware	14. Sprinkler Head	5. Inaccessible or Blocked	14. Out of Test Date
6. Hose	15. Stop Valve	6. Inadequate	15. Unsealed
7. Identification Light	16. Track	7. Inoperative	16. Other (Note in Remarks
8. Nozzle	17. Unit	8. Leaking	
9. Operating Instructions	18. Other	9. Location Not Indicated	

REMARKS:

ENVIRONMENTAL CONTROL

IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
	02	18	17
	53 - 54	55 - 58	59 - 62

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Cleanliness, Orderliness	///		Radiation (Thermal)	—	
Disposal of Scrap; Waste	///	1(5-3)①	Radiation (Arc, Ionizing)	—	
Protection of Hazardous or Flammable Refuse	///		Traffic Control	—	
Storage — Material and Equipment	///		Illumination	///	
Storage — Compressed Gas Cylinders	—		Ventilation	///	
Vegetation Control	—		Other (Note in Remarks)	—	

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Creates Fire Hazard	10. Inadequate or Improper Ventilation Equipment	19. Not Properly Secured
2. Lunch Room	2. Dirty	11. Inadequate Warning Signs	20. Pedestrian Lanes Not Indicated
3. Office	3. Excessive Accumulation	12. Incorrect Lighting Fixtures	21. Poor Arrangement
4. Storage Area	4. Excessive Glare	13. Inoperative Equipment	22. Poorly Stacked
5. Washroom	5. Fire Lanes Blocked	14. Insufficient Illumination	23. Unsafe Method Used
6. Work Area	6. Inadequate Barricades	15. Materials Not Stored in Designated Areas	24. Wrong Type Container
	7. Inadequate Insulation	16. Material Protruding into Aisles	25. Special Hazards Not Marked
	8. Inadequate Sheilding	17. Metal Cap Missing	26. Ventilation Equipment Not Being Used
	9. Inadequate Traffic Markers	18. No Containers	27. Other (Note in Remarks)

REMARKS:
① Drums, in and on top of mask and glove lines.

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01 - Fixed Protection 02 - Environmental Control

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

WORK SURFACES	IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
		03	22	22
		53 - 54	55 - 58	59 - 62

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Cat	—		Ladder (stationery)	—	
Exit	INU		Platforms	—	
Floors	INU / /		Scaffolds	—	
Furniture	INU INU		Stairs	—	
Ladder (portable)	—		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS	IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
		04	/	/
		53 - 54	55 - 58	59 - 62

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Combustible Gas	—		Steam (Bld Ht.- Below 250 psig)	/	
Flammable Liquid	—		Steam (High Pressure - above - 250 psig)	—	
Toxic or Corrosive Liquid	—		Air	—	
Toxic or Corrosive Gas	—		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Cleaning Tank	9. Insulation	1. Broken	9. Kinked
2. Controls	10. Pipe	2. Corroded	10. Leaking
3. Couplings	11. Regulators	3. Damaged	11. Missing
4. Metal Containers	12. Safety Devices	4. Deteriorated	12. Not Pinned
5. Glass Containers	13. Tubing	5. Inadequate	13. Not Properly Identified
6. Hose	14. Valves	6. Inadequate Pressure Rating	14. Not Sealed
7. Grounding	15. Vents	7. Incorrect	15. Not Shielded
8. Guards or Supports	16. Housing	8. Inoperative	16. Plugged
	17. Other (Note in Remarks)		17. Other (Note in Remarks)

REM

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SAFETY AUDIT REPORT

UCN - 2921 (1 9-60)

ELECTRICAL	IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
		05	9	9
		53 - 54	55 - 58	59 - 62

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM - CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Corded Equipment	~~IIII~~ II	
Utilization Equipment	II	
Other (Note in Remarks)		
High Voltage Equipment (Above 480 Volts)		
Disconnects	—	
Rotating Equipment	—	
Other (Note in Remarks)	—	

ITEMS UNSATISFACTORY

1. Boxes
2. Box Covers
3. Conduit
4. Connectors
5. Breaker
6. Grounds
7. Ground Mats
8. Identification
9. Inspection Date and Tag
10. Insulation
11. Plugs
12. Receptacles
13. Safety Switch
14. Switch
15. Warning Signs
16. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Does Not Meet Plant Specifications
6. Exposed Terminals
7. Missing
8. Not Provided
9. Ungrounded
10. Unguarded
11. Other (Note in Remarks)

REMARKS:

WORK PRACTICES	IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
		06	4	0
		53 - 54	55 - 58	59 - 62

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	—		Use of Safe Attire	—	
Use of Tools	—		Use of Personnel Portective Devices	—	
Use and Maintenance of Machines & Equipment	—		Work Habits	IIII	1/(24)
Use of Ionizing Radiation Sources	—				

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Use
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS—COMPRESSED GAS CYLINDERS	IBM	CLASS CODE 09	NO. INSPECTED 1	NO. SATISFACTORY 1
		53 - 54	55 - 58	59 - 62

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDIT'
Ac ank	—		Freon Tank	—	
Air Receivers	—		HF Tank	—	
Boilers	—		UF_6 Containers	—	
Compressed Gas Cylinders	—		Water Storage Heaters	1	
Fluorine Tank	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Past Due
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Plugged
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Unsecured
4. Dikes	11. Shell	4. Deterioated	11. Missing	18. Other (Note in Remarks)
5. Drip Pans	12. Test	5. Inadequate	12. Not Sealed	
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Shielded	
7. Grounding or Bonding	14. Other (Note in Remarks)	7. Incorrect	14. Open Valve	

REMARKS:

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE
K-1420	LARGE EQUIPMENT DECONTAMINATION	03	01
IBM 1-48		49-50	51-52

AUDITED BY (SIGNATURE): JE Muldrew

REVIEWED WITH (SIGNATURE): J O Dodson

FIXED PROTECTION (Personal - Fire)	IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
		01	8	7	10-31-6
		53 - 54	55 - 58	59 - 62	63 - 70

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Sprinkler System	1		Fire Extinguishers	IIII	1(17-5)
Emergency Exits	1		Protective Equip. Supply	—	
Emergency Station	—		P. A. System	1	
Evacuation Alarm	—		Safety Showers	—	
Eye Baths	—		Standpipes	—	
Fire Alarm Boxes	1		Other (Note in Remarks)	—	
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Damaged	10. Missing
2. Contents	11. Respiratory Equipment	2. Deteriorated	11. Not Labelled
3. Door	12. Rack	3. Dirty	12. Not Lighted
4. Fusible Link	13. Rollers	4. Improperly Stored	13. Not Posted
5. Hardware	14. Sprinkler Head	5. Inaccessible or Blocked	14. Out of Test Date
6. Hose	15. Stop Valve	6. Inadequate	15. Unsealed
7. Identification Light	16. Track	7. Inoperative	16. Other (Note in Remarks
8. Nozzle	17. Unit	8. Leaking	
9. Operating Instructions	18. Other	9. Location Not Indicated	

REMARKS:

ENVIRONMENTAL CONTROL	IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
		02	7	3
		53 - 54	55 - 58	59 - 62

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Cleanliness, Orderliness			Radiation (Thermal)	—	
Disposal of Scrap; Waste	1	(6-3)	Radiation (Arc, Ionizing)	—	
Protection of Hazardous or Flammable Refuse	11	1(6-1) 1(6-24)	Traffic Control	1	
Storage — Material and Equipment	1	(4-21)(6-27)	Illumination	1	
Storage — Compressed Gas Cylinders	—		Ventilation	1	
Vegetation Control	—		Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Creates Fire Hazard	10. Inadequate or Improper Ventilation Equipment	19. Not Properly Secured
2. Lunch Room	2. Dirty	11. Inadequate Warning Signs	20. Pedestrian Lanes Not Indicated
3. Office	3. Excessive Accumulation	12. Incorrect Lighting Fixtures	21. Poor Arrangement
4. Storage Area	4. Excessive Glare	13. Inoperative Equipment	22. Poorly Stacked
5. Washroom	5. Fire Lanes Blocked	14. Insufficient Illumination	23. Unsafe Method Used
6. Work Area	6. Inadequate Barricades	15. Materials Not Stored in Designated Areas	24. Wrong Type Container
	7. Inadequate Insulation	16. Material Protruding into Aisles	25. Special Hazards Not Marked
	8. Inadequate Sheilding	17. Metal Cap Missing	26. Ventilation Equipment Not Being Used
	9. Inadequate Traffic Markers	18. No Containers	27. Other (Note in Remarks)

REMARKS: Waste paper, empty boxes accumulated. Flammable trash [illegible] in a wood box. Miscellaneous accumulations of scrap and junk.

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01 - Fixed Protection 02 - Environmental Control

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

WORK SURFACES	IBM	CLASS CODE 03 (53 - 54)	NO. INSPECTED 4 (55 - 58)	NO. SATISFACTORY 4 (59 - 62)

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON
Cat\	—		Ladder (stationery)	1	
Exit	11		Platforms	—	
Floors	1		Scaffolds	—	
Furniture	—		Stairs	—	
Ladder (portable)	—		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS	IBM	CLASS CODE 04 (53 - 54)	NO. INSPECTED 13 (55 - 58)	NO. SATISFACTORY 12 (59 - 62)

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION
Combustible Gas	—		Steam (Bld Ht.- Below 250 psig)	1	1 (6-12)
Flammable Liquid	—		Steam (High Pressure - above - 250 psig)	—	
Toxic or Corrosive Liquid	~~11~~ 11		Air	—	
Toxic or Corrosive Gas	—		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Cleaning Tank	9. Insulation	1. Broken	9. Kinked
2. Controls	10. Pipe	2. Corroded	10. Leaking
3. Couplings	11. Regulators	3. Damaged	11. Missing
4. Metal Containers	12. Safety Devices	4. Deteriorated	12. Not Pinned
5. Glass Containers	13. Tubing	5. Inadequate	13. Not Properly Identified
6. Hose	14. Valves	6. Inadequate Pressure Rating	14. Not Sealed
7. Grounding	15. Vents	7. Incorrect	15. Not Shielded
8. Guards or Supports	16. Housing	8. Inoperative	16. Plugged
	17. Other (Note in Remarks)		17. Other (Note in Remarks)

REM

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

ELECTRICAL	IBM	CLASS CODE 05 (53 - 54)	NO. INSPECTED 6 (55 - 58)	NO. SATISFACTORY 6 (59 - 62)

INSPECTED	NO.	NO. UNSATISFACTORY (ITEM - CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Corded Equipment	—	
Utilization Equipment	||||/	
Other (Note in Remarks)	—	
High Voltage Equipment (Above 480 Volts)		
Disconnects	—	
Rotating Equipment	—	
Other (Note in Remarks)	—	

ITEMS UNSATISFACTORY

1. Boxes
2. Box Covers
3. Conduit
4. Connectors
5. Breaker
6. Grounds
7. Ground Mats
8. Identification
9. Inspection Date and Tag
10. Insulation
11. Plugs
12. Receptacles
13. Safety Switch
14. Switch
15. Warning Signs
16. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Does Not Meet Plant Specifications
6. Exposed Terminals
7. Missing
8. Not Provided
9. Ungrounded
10. Unguarded
11. Other (Note in Remarks)

REMARKS:

WORK PRACTICES	IBM	CLASS CODE 06 (53 - 54)	NO. INSPECTED 6 (55 - 58)	NO. SATISFACTORY 4 (59 - 62)

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	|||	Use of Safe Attire	||	
Use of Tools	—		Use of Personnel Portective Devices	||	2(26)[illegible]
Use and Maintenance of Machines & Equipment	—		Work Habits	—	
Use of Ionizing Radiation Sources	—				

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Use
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS: (1) Face shield should be worn while cleaning equipment w/ steam, fan and blowing off with air

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
	07		
	53 - 54	55 - 58	59 - 62

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Elt Powered		
Hand		
Hydraulic		
Pneumatic Powered		
Powder Actuated		
Laboratory Glassware		

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTOR
	08	11	11
	53 - 54	55 - 58	59 - 62

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor	—		Power Truck	—	
Chain Hoist	—		Tractor	—	
Electric Hoist	1		Plant Railway	—	
Winch or Tugger	—		Skid	—	
Sling	111		Pallet	—	
Lifting Fixture	111		Bicycle	—	
Dolley	—		Bus	—	
Hand Truck	—		Passenger Car	—	
Wheelbarrow	—		Motor Truck	—	
Fork Truck	11		Other (Note in Remarks)	—	

UNSATISFACTORY PART

1. Access Ladders	9. Couplings	17. Fittings	25. Hitches	33. Runers
2. Bell	10. Crank	18. Forks	26. Hooks	34. Switches
3. Brakes	11. Crossing Signals	19. Frame	27. Horn	35. Ties
4. Bumping Post	12. Crossing Signs	20. Glass	28. Interlocks	36. Track
5. Cable	13. Dead Man Controls	21. Grounding Connection	29. Lights	37. Wheels
6. Chain	14. Deck	22. Guards	30. Limitswitches	38. Whistle
7. Clearance Markers	15. Dog	23. Handles	31. Road Bed	39. Other (Note in Remarks)
8. Controls	16. Exhaust	24. Handrails	32. Rope	

UNSATISFACTORY CONDITION

1. Broken	5. Damaged	9. Improperly Located	13. Maintenance	17. Other (Note in Remarks)
2. Construction	6. Deteriorated	10. Inadequate	14. Missing	
3. Corroded	7. Illegible	11. Inoperative	15. Overloaded	
4. Cracked	8. Improperly Adjusted	12. Kinked	16. Protruding Fastenings	

RE :

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1420	SMALL PARTS DECONTAMINATION	03	01	01	9	9	7-27-6
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto. Sprinkler System	1		Fire Extinguishers	11	
Emergency Exits	—		Protective Equip. Supply	—	
Emergency Station	1		P. A. System	—	
Evacuation Alarm	—		Safety Showers	11	
Eye Baths	11		Standpipes	—	
Fire Alarm Boxes	1		Other (Note in Remarks)	—	
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1420	SMALL PARTS DECONTAMINATION	03	01	02	4	3	7-27-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	1	1(4-21)	Radiating Surfaces	—	
Illumination	1		Traffic Control	1	
Material Containment	—		Ventilation	1	
Radiation	—		Other (Note in Remarks)	—	

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Areas
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:
1 Small Parts Stored on top shelf of rack. Could topple off.

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AUDITED BY (SIGNATURE) W. E. Muldrew

REVIEWED WITH (SIGNATURE) [illegible]

01 - Fixed Protection
02 - Environmental Control

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1420	SMALL PARTS DECONTAMINATION	03	01	03	9	9	7-27
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-6

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED		NO. UNSATISFACTORY (PART - REASON)
Catv.	—		Ladder (stationery)	—	
Exit	~~11~~ 11		Platforms	—	
Floors	11		Scaffolds	—	
Furniture	—		Stairs	—	
Ladder (portable)	—		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1420	SMALL PARTS DECONTAMINATION	03	01	04	1	1	7-27-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine	—		Steam (Bldg Ht - Below 15 psig)	1	
Hydrofluoric Acid	—		Steam (Low Pressure - 15-250 psig)	—	
Natural Gas	—		Steam (High Pressure - above 250 psig)	—	
Pyrofax	—		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

-482-

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

03 - Work Surfaces
04 - Piping & Containers

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1420	SMALL PARTS DECONTAMINATION	03	01	05	15	7	7-27-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Corded Equipment	~~IIII~~ III	8(8L5)
Utilization Equipment	~~IIII~~ II	
High Voltage Equipment (Above 480 Volts)		
Disconnects	—	
Rotating Equipment	—	
Other (Note in Remarks)	—	

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
5. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1420	SMALL PARTS DECONTAMINATION	03	01	06	7	7	7-27-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	1		Use of Safe Attire	III	
Use of Tools	—		Use of Personnel Protective Devices	1	
Use and Maintenance of Machines & Equipment	II		Work Habits	—	
Use of Ionizing Radiation Sources	—			—	

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

-483-

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

05 - Electrical
06 - Work Practices

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1420	SMALL PARTS DECONTAMINATION	03	01	07	7	5	7-27
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-

TYPE OF TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND-CONDITION)
Electric Powered	11	2(8-14) 1(6-14)
Hand	IIII	
Hydraulic	XX	
Pneumatic Powered	1 —	
Powder Actuated	—	

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1420	SMALL PARTS DECONTAMINATION	03	01	08	13	13	7-27-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Conveyor	—		Power Truck	—	
Chain Hoist	—		Tractor	—	
Electric Hoist	11		Plant Railway	—	
Winch or Tugger	—		Skid	—	
Sling	IIII 11	2(5-5,6)	Pallet	III	
Lifting Fixture	—		Bicycle	—	
Dolley	—		Bus	—	
Handtruck	—		Passenger Car	—	
Wheelbarrow	—		Motor Truck	—	
Fork Truck	1		Other (Note in Remarks)	—	

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Crossing Signals	25. Hitches	39. Other (Note in Remarks)
12. C[illegible] Signs	26. Hooks	
13. D[illegible]n Control	27. Horn	
14. Dec[illegible]	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS: BROKEN WIRES, CORRODED

484-

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

07 - Power Tools
08 - Materials Handling

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1420	CHANGE HOUSE AND OFFICES	03	01	01	5	5	6-23-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Autom. Sprinkler System	//		Fire Extinguishers	//	
Emergency Exits	—		Protective Equip. Supply	/	
Emergency Station	—		P. A. System	—	
Evacuation Alarm	—		Safety Showers	—	
Eye Baths	—		Standpipes	—	
Fire Alarm Boxes	/—		Other (Note in Remarks)		
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO SATISFACTORY	DATE
K1420	CHANGE HOUSES AND OFFICES	03	01	02	47	47	6-23-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	~~IIII~~ ~~IIII~~ IIII		Radiating Surfaces	~~IIII~~	
Illumination	~~IIII~~ ~~IIII~~ IIII		Traffic Control	—	
Material Containment	—		Ventilation	~~IIII~~ ~~IIII~~ IIII	
Radiation	—		Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Areas
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

-485-

AUDITED BY (SIGNATURE) W E Muldrew

REVIEWED WITH (SIGNATURE) [illegible]

01 - Fixed Protection
02 - Environmental Control

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1420	Change House and Offices	03	01	03	35	35	6-23-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-6

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART-REASON)	SURFACES CHECKED		NO. UNSATISFACTORY (PART-REASON)
Catw	—		Ladder (stationery)	—	
Exit	~~1~~ ~~1~~		Platforms	—	
Floors	~~1~~ ~~1~~		Scaffolds	—	
Furniture	~~1~~ ~~1~~		Stairs	—	
Ladder (portable)	—		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
				04			
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART-CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Fluorine			Steam (Bldg Ht - Below 15 psig)		
Hydrofluoric Acid			Steam (Low Pressure - 15-250 psig)		
Natural Gas			Steam (High Pressure - above 250 psig)		
Pyrofax			Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

H86-

AUDITED BY (SIGNATURE)	REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1420	Change House and Offices	03	01	05	8	8	6-23-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Corded Equipment	////	
Utilization Equipment	////	
High Voltage Equipment (Above 480 Volts)		
Disconnects	—	
Rotating Equipment	—	
Other (Note In Remarks)	—	
	—	

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
5. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1420	Change House and Offices	03	01	06	2	2	6-23-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling			Use of Safe Attire	//	
Use of Tools			Use of Personnel Protective Devices		
Use and Maintenance of Machines & Equipment			Work Habits		
Use of Ionizing Radiation Sources					

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

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AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1420	SMALL PARTS DISMANTLING	03	01	01	3	3	5-5-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Auton. Sprinkler System	///		Fire Extinguishers	—	
Emergency Exits	—		Protective Equip. Supply	—	
Emergency Station	—		P. A. System	—	
Evacuation Alarm	—		Safety Showers	—	
Eye Baths	—		Standpipes	—	
Fire Alarm Boxes	—		Other (Note in Remarks)	—	
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
. Container	10. Piping	1. Contents Not Labelled ✓	9. Leaking ✓
2. Door	11. Respiratory Equipment	2. Damaged ✓	10. Location Not Indicated ✓
3. Entire Unit	12. Rack	3. Deteriorated ✓	11. Missing ✓
4. Fusible Link	13. Rollers	4. Dirty ✓	12. Operating Instructions Not Posted ✓
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date ✓
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked ✓	14. Unsealed ✓
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative ✓	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1420	SMALL PARTS DISMANTLING	03	01	02	4	2	5-5-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	1		Radiating Surfaces	—	
Illumination	1	(1-15)*	Traffic Control	—	
Material Containment	1		Ventilation	1	(1-14)A
Radiation	—		Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Areas
. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:
* LIGHT FIXTURE GLASS COVERS DIRTY - BLOCKS LIGHT
(A) DUCT NOT CONNECTED

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J. E. Whitten 31-29 C.C.

AUDITED BY (SIGNATURE) W. E. Muldrew

REVIEWED WITH (SIGNATURE)

1 - Fixed Protection
2 - Environmental Contro

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1420	Small Parts Dismantling	03	01	03	4	4	5-5-61
1 - 5	6 - 45	46 - 49	50 - 51	52 - 53	54 - 57	58 - 61	62 - 67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Catwalks	—		Ladder (stationery)	—	
Exit	—		Platforms	—	
Floors	1		Scaffolds	—	
Furniture	III		Stairs	—	
Ladder (portable)	—		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
0. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
1. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1420	Small Parts Dismantling	03	01	04	3	2	5-5-61
IBM 1 - 5	6 - 45	46 - 49	50 - 51	52 - 53	54 - 57	58 - 61	62 - 67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine	—		Steam (Bldg Ht - Below 15 psig)	—	
Hydrofluoric Acid	—		Steam (Low Pressure - 15 - 250 psig)	—	
Natural Gas	—		Steam (High Pressure - above 250 psig)	—	
Pyrofax	—		Other (Note in Remarks)	III	(7-13)A

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

(A) Air Hose over long Table

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AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

03 - Work Surfaces
04 - Piping & Containers

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1420	SMALL PARTS DISMANTLING	03	01	05	15	14	5-5-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Corded Equipment	~~IIII~~ 1	1(A)
Utilization Equipment	~~IIII~~ IIII	
High Voltage Equipment (Above 480 Volts)		
Disconnects	—	
Rotating Equipment	—	
Other (Note in Remarks)	—	

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
5. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

PENDANT CONTROL CABLE ON ELECTRIC HOIST PULLED OUT OF JUNCTION BOX

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
				06			
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling			Use of Safe Attire		
Use of Tools			Use of Personnel Protective Devices		
Use and Maintenance of Machines & Equipment			Work Habits		
Use of Ionizing Radiation Sources					

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

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AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
				07			
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE OF TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered		
Hand		
Hydraulic		
Pneumatic Powered		
Powder Actuated		

UNSATISFACTORY TOOL		
1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION			
1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1420	SMALL PARTS DISMANTLING	03	01	08	2	2	5-5-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor	—		Power Truck	—	
Chain Hoist	—		Tractor	—	
Electric Hoist	/		Plant Railway	—	
Winch or Tugger	—		Skid	/	
Sling	—		Pallet	—	
Lifting Fixture	—		Bicycle	—	
Dolley	—		Bus	—	
Handtruck	—		Passenger Car	—	
Wheelbarrow	—		Motor Truck	—	
Fork Truck	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Access Ladders	15. Dog	29. Lights	1. Broken	15. Overloaded
2. Bell	16. Exhaust	30. Limitswitches	2. Construction	16. Protruding Fastenings
3. Brakes	17. Fittings	31. Road Bed	3. Corroded	17. Other (Note in Remarks)
4. Bumping Post	18. Forks	32. Rope	4. Cracked	
5. Cable	19. Frame	33. Runners	5. Damaged	
6. Chain	20. Glass	34. Switches	6. Deteriorated	
7. Clearance Markers	21. Grounding Connection	35. Ties	7. Illegible	
8. Controls	22. Guards	36. Track	8. Improperly Adjusted	
9. Couplings	23. Handles	37. Wheels	9. Improperly Located	
0. Crank	24. Handrails	38. Whistle	10. Inadequate	
1. Cr[illegible]ng Signals	25. Hitches	39. Other (Note in Remarks)	11. Inoperative	
2. C[illegible] Signs	26. Hooks		12. Kinked	
3. D[illegible]on Control	27. Horn		13. Maintenance	
[illegible]eck	28. Interlocks		14. Missing	

[illegible]ARKS:

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AUDITED BY (SIGNATURE)	REVIEWED WITH (SIGNATURE)

07 - Power Tools

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

JW

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1420	SMALL PARTS DISMANTLING	03	01	01	1	1	4-4-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auton. Sprinkler System	/		Fire Extinguishers	—	
Emergency Exits	—		Protective Equip. Supply	—	
Emergency Station	—		P. A. System	—	
Evacuation Alarm	—		Safety Showers	—	
Eye Baths	—		Standpipes	—	
Fire Alarm Boxes	—		Other (Note in Remarks)	—	
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1420	SMALL PARTS DISMANTLING	03	01	02	4	3	4-4-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	/		Radiating Surfaces	—	
Illumination	/	(6-21)*	Traffic Control	—	
Material Containment	/		Ventilation	/	
Radiation	—		Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Areas
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

* COVERS OVER LIGHTS DIRTY. BLOCKS ILLUMINATION FROM FLOURESCENT LAMPS.

492-

16-15 0-0

AUDITED BY (SIGNATURE) WE Muldrew

REVIEWED WITH (SIGNATURE) M. Dwell Smith

01 - Fixed Protection
02 - Environmental Control

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1420	Small Parts Dismantling	03	01	03	6	6	4-4-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Catwalks	—		Ladder (stationery)	—	
Exit	11		Platforms	—	
Floors	1		Scaffolds	—	
Furniture	nl		Stairs	—	
Ladder (portable)	—		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1420	Small Parts Dismantling	03	01	04			
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine			Steam (Bldg Ht - Below 15 psig)		
Hydrofluoric Acid			Steam (Low Pressure - 15-250 psig)		
Natural Gas			Steam (High Pressure - above 250 psig)		
Pyrofax			Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE)	REVIEWED WITH (SIGNATURE)

03 - Work Surfaces
04 - Piping & Containers

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1420	SMALL PARTS DISMANTLING	03	01	05	5	5	4-4-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEMS INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Corded Equipment	II	
Utilization Equipment	III	
High Voltage Equipment (Above 480 Volts)		
Disconnects		
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
5. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1420	SMALL PARTS DISMANTLING			06			
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling			Use of Safe Attire		
Use of Tools			Use of Personnel Protective Devices		
Use and Maintenance of Machines & Equipment			Work Habits		
Use of Ionizing Radiation Sources					

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

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05 - Electrical
06 - Work Practices

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

Records File

Page 1 of ____

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
470	Small Parts Decont.	03	01	01	17	13	4-20-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auton. Sprinkler System	///		Fire Extinguishers	////	**1(3-15)
Emergency Exits	///	1(7-8)	Protective Equip. Supply	—	
Emergency Station	/	*1(3-1)	P. A. System	/	
Evacuation Alarm	/		Safety Showers	//	1(7-8)
Eye Baths	/		Standpipes	—	
Fire Alarm Boxes	/		Other (Note in Remarks)		
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS: * Radiation Survey meter is Inoperative
Maintenance Changing out.
** Fire Extinguisher indicated Maint. Shop location but was in the Receiving Area.

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
470	Small Parts Decont.	03	01	02	17	10	4-20-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	////	1(6-8) *1(4-E)	Radiating Surfaces	—	
Illumination	//		Traffic Control	/	
Material Containment	///		Ventilation	//	
Radiation	—		Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Areas
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS: * Housekeeping in gamma gate room.

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REVIEWED WITH (SIGNATURE) R. E. Shelton

01 - Fixed Protection
02 - Environmental Control

SAFETY AUDIT REPORT

PEN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1470	Small Parts Decont.	03	01	03	15	13	4-7-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Catwalks	—		Ladder (stationery)	1	
Exit	III		Platforms	—	
Floors	IIII	1(16-14); 1(19-1)	Scaffolds	—	
Furniture	IIII		Stairs	—	
Ladder (portable)	1		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. ~~Trench~~ Cover, drain	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1470	Small Parts Decont.	03	01	04	8	5	4-7-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine	—		Steam (Bldg Ht - Below 15 psig)	III	
~~Hydrofluoric~~ Acid	1	1(6-15)	Steam (Low Pressure - 15-250 psig)	III	1(4-15)
Natural Gas	—		Steam (High Pressure - above 250 psig)	—	
Pyrofax	—		Other (Note in Remarks)	1	1(8-5)

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS: ~~1~~ Alcohol drum

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03 - Work Surfaces
04 - Piping & Containers

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1470	Small Parts Department	C3	01	05	15	15	4-20-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

IT ISPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)	—	
Corded Equipment	~~IIII~~	
Utilization Equipment	~~IIII~~	
High Voltage Equipment (Above 480 Volts)	—	
Disconnects	—	
Rotating Equipment	—	
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
5. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1470	Small Parts Department	C3	01	06	10	9	4-20-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	—		Use of Safe Attire	III	
Use of Tools	II		Use of Personnel Protective Devices	III	1(24)
Use and Maintenance of Machines & Equipment	II		Work Habits		
Use of Ionizing Radiation Sources	—				

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
0. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

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05 - Electrical
06 - Work Practices

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1420	Small Parts Decont.	03	01	07	17	9	4-25-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE OF TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered	//	
Hand	/// ~~HH~~	5 (9-7-8)
Hydraulic	—	
Pneumatic Powered	//	
Powder Actuated		

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1420	Small Parts Decont.	03	01	08	18	16	4-20-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor	—		Power Truck	—	
Chain Hoist	—		Tractor	—	
Electric Hoist	//		Plant Railway	—	
Winch or Tugger	—		Skid	—	
Sling	~~HH~~	1 (5-5)	Pallet	/// ~~HH~~	1 (19-9)
Lifting Fixture	—		Bicycle	—	
Dolley	—		Bus	—	
Handtruck	—		Passenger Car	—	
Wheelbarrow	—		Motor Truck	—	
Fork Truck *	—		Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Crossing Signals	25. Hitches	39. Other (Note in Remarks)
12. Crossing Signs	26. Hooks	
13. Deadman Control	27. Horn	
14. Deck	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS: * Leaking oil.

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07 - Power Tools
08 - Materials Handling

SAFETY AUDIT REPORT
JCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1476	Large Equip Decont	03	01	01	27	26	4-19-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Sprinkler System	////		Fire Extinguishers	////	1(3-11)
Emergency Exits	///		Protective Equip. Supply	—	
Emergency Station	/ *	1(3-14)	P. A. System	/	
Evacuation Alarm	/		Safety Showers	//	
Eye Baths	///		Standpipes	—	
Fire Alarm Boxes	//		Other (Note in Remarks)	—	
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
. Container	10. Piping	1. Contents Not Labelled	9. Leaking
. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
. Entire Unit	12. Rack	3. Deteriorated	11. Missing
. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
. Nozzle	17. Other	8. Inoperative	
. Operating Instructions			

REMARKS: * Hoses need changing Expiration date on Assault Hoses were - 4-15-61
Emergency Intercom not operable.

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO SATISFACTORY	DATE
1476	Large Equip Decont	03	01	02	15	11	4-19-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	////	1(6-8) 1(6-8)	Radiating Surfaces	/	
Illumination	/// **	1(4-15)	Traffic Control	/	
Material Containment	///		Ventilation	/// *	1(6-21)
Radiation	—		Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Areas
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS: * Some of the exhaust hoses have holes in them.
** Fluorescent spots need relocating to prevent glaring
*** Tunnel needs relamping.

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11 - Fixed Protection
12 - Environmental Control

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1/4/5	Large Equip Decont.	C3	01	03	27	25	4-14-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED		NO. UNSATISFACTORY (PART - REASON)
Catwalks	///		Ladder (stationery)	///	
Exit	///		Platforms	//	**1 (16-19)
Floors	///	*1 (16-19) ***	Scaffolds	—	
Furniture	///	—	Stairs	//	
Ladder (portable)	//		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS: * Ladder on floor in compressor pit.
** Loose material on platform
*** Floor grating around floor pan needs replacing and/or repairing

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1/4/5	Large Equip Decont.	C3	01	04	5	5	4-14-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine	//		Steam (Bldg Ht - Below 15 psig)	///	
Hydrofluoric Acid	—		Steam (Low Pressure - 15 - 250 psig)	—	
Natural Gas	—		Steam (High Pressure - above 250 psig)	—	
Pyrofax	—		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

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AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

03 - Work Surfaces
04 - Piping & Containers

SAFETY AUDIT REPORT

ICN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
W70	Large Fin. Product	03	01	05	18	16	4-19-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM - CONDITION)
Low Voltage Equipment (Below 480 Volts)	—	
Grounded Equipment	IIII	
Utilization Equipment	IIII	1(1-1) 1(1-9)
High Voltage Equipment (Above 480 Volts)	—	
Disconnects	—	
Rotating Equipment	—	
Other (Note in Remarks)	—	

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
5. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
W70	Large Fin. Product	03	01	06	11	9	4-19-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	III		Use of Safe Attire	III	
Use of Tools	—		Use of Personnel Protective Devices	II	1(34)
Use and Maintenance of Machines & Equipment	—		Work Habits	III	*1(19)
Use of Ionizing Radiation Sources	—				

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS: * Employee Riding on pallet of fork lift.

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05 - Electrical
06 - Work Practices

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1473	Large Equip. Decont.	03	01	07	6	5	4-19-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE OF TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered	//	
Hand	////	1(9-9)
Hydraulic	—	
Pneumatic Powered	—	
Powder Actuated	—	

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1473	Large Equip. Decontamination	03	01	08	24	23	4-19-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor	/		Power Truck	—	
Chain Hoist	//		Tractor	—	
Electric Hoist	//		Plant Railway	—	
Winch or Tugger	—		Skid	—	
Sling	////	1(5-5)	Pallet	///	
Lifting Fixture	//		Bicycle	—	
Dolley	//		Bus	—	
Handtruck	/		Passenger Car	—	
Wheelbarrow	—		Motor Truck	—	
Fork Truck	—		Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. C[illegible]g Signals	25. Hitches	39. Other (Note in Remarks)
12. C[illegible]g Signs	26. Hooks	
13. De[illegible]an Control	27. Horn	
14. Deck	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

-502-

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07 - Power Tools

09 - Materials Handling

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1470	Large Plant Decont	03	01	10	9	9	4-17-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Arc Cutting Unit	—		Oxygen-Arc Cutting Unit	—	
Automatic Arc Welding Unit	—		Paper Cutter	—	
Bench or Pedestal Grinder	—		Planer (metal)	—	
Blower	///		Planer (wood)	—	
Boring Mill	—		Power Press	—	
Centrifuge	—		Press Brake	—	
Compressor	—		Pulverizer	—	
Crusher	/		Pump	////	
Diesels (stationary)	—		Saw (band - metal)	—	
Drill Press	—		Saw (band - wood)	—	
Fans	—		Saw (circular - metal)	/	
Forming Rolls	—		Saw (circular - wood)	—	
Gear Cutter	—		Saw (jig)	—	
Grinding Machine	—		Saw (power - rip)	—	
Hobber	—		Saw (radial)	—	
Jointer	—		Saw (swing)	—	
[illegible] ngine)	—		Screw Machine	—	
[illegible] urret)	—		Shaper (metal)	—	
Lathe (woodworking)	—		Shaper (wood)	—	
Manual Arc Cutting Unit	—		Shears	—	
Manual Arc Welding Unit	—		Slicer	—	
Mixer	—		Other (Note in Remarks)		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
0. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

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SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1420	Recovery Area	03	01	01	04	17	4-19-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Autom. Sprinkler System	///		Fire Extinguishers	~~////~~	1(3-10) 1(3-11)
Emergency Exits	//	2(7-8)	Protective Equip. Supply	///	
Emergency Station	/ *		P. A. System	/	
Evacuation Alarm	/		Safety Showers	///	2(7-8)
Eye Baths	/// **	1(3-6)	Standpipes	—	
Fire Alarm Boxes	//		Other (Note in Remarks)	—	
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS: * 11 Hours in Emergency Box need to be changed out Expiration date Stamped 4-15-61
** Eye Baths & Safety Showers completely blocked by Swingling Buggy -

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1420	Recovery Area	03	01	02	17	15	4-19-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	~~////~~	1(6-8) 1(6-14)	Radiating Surfaces	//	
Illumination	////		Traffic Control	//	
Material Containment	///		Ventilation		
Radiation	—		Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Areas
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

504

153-122 11-9

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01 - Fixed Protection
02 - Environmental Control

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1470	Recovery Area-	03	01	03	26	23	4-19-61
1 - 5	6 - 45	46 - 49	50 - 51	52 - 53	54 - 57	58 - 61	62 - 67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Catwalks	///		Ladder (stationery)	///	
Exit	///		Platforms	///	1(16-19)*
Floors	////	1(19-9) 1(16-19)*	Scaffolds	—	
Furniture	///		Stairs	///	
Ladder (portable)	///		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. ~~Trench~~ Cover for drains	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
0. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
1. Hinges		11. Not Well Illuminated	

REMARKS: * * Catch pan at continuous dissolver not sewered to floor - (Dripping tripped)
* Loose material on platform for screw & reactor - "E" Area

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1470	Recovery Area-	03	01	04	9	8	4-19-61
IBM 1 - 5	6 - 45	46 - 49	50 - 51	52 - 53	54 - 57	58 - 61	62 - 67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine	///		Steam (Bldg Ht - Below 15 psig)	///	
Hydrofluoric Acid	—		Steam (Low Pressure - 15 - 250 psig)	//	
Natural Gas lines	/	1(10-5)	Steam (High Pressure - above 250 psig)	—	
Pyrofax	—		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

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03 - Work Surfaces
04 - Piping & Containers

SAFETY AUDIT REPORT

JCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
W10	Recovery Area-	03	01	05	35	26	4-19-61
BM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEMS INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)	—	
Corded Equipment *	IIII	
Utilization Equipment	HH HH HH I	** 2(9-9) 3(1-10) 1(9-9) *** 3(9-5)
High Voltage Equipment (Above 480 Volts)	—	
Disconnects	-	
Rotating Equipment	—	
Other (Note in Remarks)	—	

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
5. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded
10- Covers missing

REMARKS: * Some Temporary cords feeding equip should be permanently installed and cords not being used should be removed.
Temporary lighting cord - in "F" Area - has been damaged by cord blocking
** Panel cover off switch gear equip in switch room - which is under operator protection - these have previously been water soaked from top.
*** Temporary identification

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
W60	Recovery Area-	03	01	06	11	9	4-19-61
BM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	III		Use of Safe Attire	III	
Use of Tools	II		Use of Personnel Protective Devices	III	1(26) 1(28)
Use and Maintenance of Machines & Equipment	—		Work Habits		
Use of Ionizing Radiation Sources	—				

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn Respirators
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

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AFETY AUDIT REPORT

CN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
570	Recovery Area	03	01	07	5	5	4-17-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

YPE OF TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
lectric Powered	—	
and	HH	
ydraulic	—	
neumatic Powered	—	
owder Actuated	—	

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
Guarding	12. Improper Ground	18. No Locking Pin	

EMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
570	Recovery Area	03	01	08	12	12	4-17-61
M 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

QUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
nveyor	—		Power Truck	—	
ain Hoist	//		Tractor	—	
ectric Hoist	//		Plant Railway	—	
nch or Tugger	—		Skid	—	
ng	//		Pallet	///	
iting Fixture	—		Bicycle	—	
lley	///		Bus	—	
ndtruck	/		Passenger Car	—	
eelbarrow	—		Motor Truck	—	
rk Truck	—		Other (Note in Remarks)		

UNSATISFACTORY PART

Access Ladders	15. Dog	29. Lights
Bell	16. Exhaust	30. Limitswitches
Brakes	17. Fittings	31. Road Bed
Bumping Post	18. Forks	32. Rope
Cable	19. Frame	33. Runners
Chain	20. Glass	34. Switches
Clearance Markers	21. Grounding Connection	35. Ties
Controls	22. Guards	36. Track
Couplings	23. Handles	37. Wheels
Crank	24. Handrails	38. Whistle
Cr g Signals	25. Hitches	39. Other (Note in Remarks)
C Signs	26. Hooks	
De n Control	27. Horn	
k	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

RKS:

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SAFETY AUDIT REPORT

JCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
210	Cemetery Area	03	01	09	6	4	4/15
BM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Acetone Tank	—		Freon Tank	—	
Air Receivers	—		HF Tank	—	
Boilers	—		UF_6 Containers	///	
Compressed Gas Cylinders	///	2 (11-18)	Water Storage Heaters	—	
Fluorine Tank	—		Other (Note in Remarks)		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other (Note in Remarks)
. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
. Grounding or Bonding	14. Other (Note in Remarks)	7. Incorrect	14. Not Shielded	

EMARKS:

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ITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

JCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67
2/20	Recovery Area	--	[illegible]	10	17	11	4-17-6

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Arc Cutting Unit	—		Oxygen - Arc Cutting Unit	—	
Automatic Arc Welding Unit	—		Paper Cutter	—	
Bench or Pedestal Grinder	—		Planer (metal)	—	
Blower	+	1(19-7)	Planer (wood)	—	
Boring Mill	—		Power Press	—	
Centrifuge	—		Press Brake	—	
Compressor	—		Pulverizer	—	
Crusher	1	*1(28-7)	Pump	~~1~~	2(15-7)
Diesels (stationary)	—		Saw (band - metal)	—	
Drill Press	—		Saw (band - wood)	—	
Fans	1	1(19-7)	Saw (circular - metal)	—	
Forming Rolls	—		Saw (circular - wood)	—	
Gear Cutter	—		Saw (jig)	—	
Grinding Machine	—		Saw (power - rip)	—	
Hobber	—		Saw (radial)	—	
Joiner	—		Saw (swing)	—	
Lathe (engine)	—		Screw Machine	—	
Lathe (turret)	—		Shaper (metal)	—	
Lathe (woodworking)	—		Shaper (wood)	—	
Manual Arc Cutting Unit	—		Shears	—	
Manual Arc Welding Unit	—		Slicer	—	
Mixer	11		Other (Note in Remarks)	11	2(**)(**)

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
. Cable (power)	13. Guard (~~belt~~)	23. Safety Device	3. Defective	13. Wrong Size or Type
. Chip Screen	14. Guard (gears) Blade	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
. Dust Collector	19. Hose		9. Maintenance	
. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS: * Ventilation is Inadequate.
** Footrests turning jig in mezzanine chain unguarded.
** Elevator - door protrudes beyond floor - Top cover out of place - [illegible] off Hoistway interlock

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SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

Page 1 of _____

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
4710	Large Equip. Decontamination	03	01	01	16	15	3-29-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto Sprinkler System	///		Fire Extinguishers	HH	
Emergency Exits	//		Protective Equip. Supply	—	**
Emergency Station	/	*1(1-1)	P. A. System	/	
Evacuation Alarm	—		Safety Showers	/	
Eye Baths	//		Standpipes	—	
Fire Alarm Boxes	/		Other (Note in Remarks)		
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS: * Radiation instruments in Emergency station not operable
** Chemical masks in Cold Trap Room out of date
** Heavy Respirat masks on floor

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
4710	Large Equip Decontamination	03	01	02	11	8	3-29-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	///	2(6-8)	Radiating Surfaces	—	
Illumination	////	*1(6-15)	Traffic Control	//	
Material Containment			Ventilation	//	
Radiation	—		Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Areas
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS: * Lights out in Tunnel - west end.

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AUDITED BY (SIGNATURE) J B Bonner

REVIEWED WITH (SIGNATURE) J H Boden

01 - Fixed Protection

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
420	Large Equip Decontamination	03	01	03	23	19	3-29-61
1 - 5	6 - 45	46 - 49	50 - 51	52 - 53	54 - 57	58 - 61	62 - 67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Catw.	IIII	* 1(16-19) ** 1(16-4)	Ladder (stationery)	IIII	
Exit	II		Platforms	II	
Floors	III	** 1(16-14)	Scaffolds	—	
Furniture	III		Stairs	II	
Ladder (portable)	III	1(6-1)	Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	2
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS: * Loose items on catwalk - at furnace stand.
** oil on floor
*** Gearing around floor gear.

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
420	Large Equip Decontamination	03	01	04	4	4	3-29-60
IBM 1 - 5	6 - 45	46 - 49	50 - 51	52 - 53	54 - 57	58 - 61	62 - 67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine	/		Steam (Bldg Ht - Below 15 psig)	II	
Hydrofluoric Acid	—		Steam (Low Pressure - 15 - 250 psig)	/	
Natural Gas	—		Steam (High Pressure - above 250 psig)	—	
Pyrofax	—		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

-511-

AUDITED BY (SIGNATURE)	REVIEWED WITH (SIGNATURE)
C B Bennett	

03 - Work Surfaces
04 - Piping & Containers

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1420	Large Equip Decontamination	C3	01	05	17	14	3-29-6
BM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)	—	
Corded Equipment **	HM	
Utilization Equipment	HM 11	1(13-1) - 1*(15-10) 1-(2-1)
High Voltage Equipment (Above 480 Volts)	—	
Disconnects	—	
Rotating Equipment	—	
Other (Note in Remarks)	—	

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
5. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded
10 Other

REMARKS: * Temporary wiring feeding power to Decontaminating Booth - ground wire not connected.

** Cord feeding Westinghouse Pump across drive and walkway -

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1420	Large Equip Decontamination	03	01	06	10	8	3-29-61
BM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	—		Use of Safe Attire	HM	
Use of Tools	—		Use of Personnel Protective Devices	HM	1(24) 1(26)
Use and Maintenance of Machines & Equipment	—		Work Habits		
Use of Ionizing Radiation Sources	—				

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
0. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

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AUDITED BY (SIGNATURE)	REVIEWED WITH (SIGNATURE)
[signature]	

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
420	Large Equip Decontamination	03	01	07	11	11	3-29-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered	111	
Hand	111	
Hydraulic	—	
Pneumatic Powered	111	
Powder Actuated	—	

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
420	Large Equip Decontamination	03	01	08	20	20	
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor	—		Power Truck	—	
Chain Hoist	/		Tractor	—	
Electric Hoist	/		Plant Railway	—	
Winch or Tugger	/		Skid	—	
Sling	111		Pallet	11	
Lifting Fixture	111		Bicycle	—	
Dolley	111		Bus	—	
Handtruck	/		Passenger Car	—	
Wheelbarrow	—		Motor Truck	/ *	
Fork Truck	—		Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Crossing Signals	25. Hitches	39. Other (Note in Remarks)
12. [illegible]ing Signs	26. Hooks	
13. [illegible]lan Control	27. Horn	
[illegible]ck	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS: * Safety Equip in Emergency Box is out of date.

515

AUDITED BY (SIGNATURE) [illegible]

REVIEWED WITH (SIGNATURE)

07 - Power Tools

08 - Materials Handl[illegible]

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1420	[illegible]	[illegible]	01	10	6	6	[illegible]
1-5 IBM	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto[illegible] Arc Cutting Unit	1		Oxygen-Arc Cutting Unit	—	
Automatic Arc Welding Unit	—		Paper Cutter	—	
Bench or Pedestal Grinder	—		Planer (metal)	—	
Blower	—		Planer (wood)	—	
Boring Mill	—		Power Press	—	
Centrifuge	—		Press Brake	—	
Compressor	—		Pulverizer	—	
Crusher	1		Pump	111	
Diesels (stationary)	—		Saw (band - metal)	—	
Drill Press	—		Saw (band - wood)	—	
Fans	—		Saw (circular - metal)	1	
Forming Rolls	—		Saw (circular - wood)	—	
Gear Cutter	—		Saw (jig)	—	
Grinding Machine	—		Saw (power - rip)	—	
Hobber	—		Saw (radial)	—	
Jointer	—		Saw (swing)	—	
Lat[illegible] [illegible]ngine)	—		Screw Machine	—	
La[illegible] [illegible]rret)	—		Shaper (metal)	—	
Lathe (woodworking)	—		Shaper (wood)	—	
Manual Arc Cutting Unit	—		Shears	—	
Manual Arc Welding Unit	—		Slicer	—	
Mixer	1		Other *(Note in Remarks)*		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other *(Note in Remarks)*
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other *(Note in Remarks)*	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
0. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

-514-

AUDITED BY (SIGNATURE) [illegible]

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT
UCN-2021 (7 9-60)

FIXED PROTECTION
(Personnel - Fire)

JW

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1420	SMALL PARTS DISMANTLING	03	01	01	1	1	3-14-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Sprinkler System	/		Fire Extinguishers	—	
Emergency Exits	—		Protective Equip. Supply	—	
Emergency Station	—		P. A. System	—	
Evacuation Alarm	—		Safety Showers	—	
Eye Baths	—		Standpipes	—	
Fire Alarm Boxes	—		Other (Note in Remarks)	—	
Fire Doors	—				

PART UNSATISFACTORY

1. Container
2. Door
3. Entire Unit
4. Fusible Link
5. Hardware
6. Hose
7. Identification Light
8. Nozzle
9. Operating Instructions
10. Piping
11. Respiratory Equipment
12. Rack
13. Rollers
14. Track
15. Sprinkler Head
16. Stop Valve
17. Other

UNSATISFACTORY CONDITION

1. Contents Not Labelled
2. Damaged
3. Deteriorated
4. Dirty
5. Improperly Stored
6. Inaccessible or Blocked
7. Inadequate
8. Inoperative
9. Leaking
10. Location Not Indicated
11. Missing
12. Operating Instructions Not Posted
13. Out of Test Date
14. Unsealed
15. Other (Note in Remarks)

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO SATISFACTORY	DATE
K1420	Small Parts Dismantling	03	01	02	5	5	3-14-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	/		Radiating Surfaces	/	
Illumination	/		Traffic Control	—	
Material Containment	/		Ventilation	/	
Radiation	—		Other (Note in Remarks)		

TYPE OF LOCATION

1. Grounds
2. Lunch Room
3. Office
4. Storage Area
5. Washroom
6. Work Area

UNSATISFACTORY CONDITION

1. Accumulation of Combustibles
2. Accumulation of Scrap
3. Excessive Dust
4. Excessive Glare
5. Fire Lanes Blocked
6. Inadequate Barricades
7. Inadequate Insulation
8. Inadequate Material Storage
9. Inadequate Shielding
10. Inadequate Traffic Markers
11. Inadequate or Improper Ventilation Equipment
12. Inadequate Warning Signs
13. Incorrect Lighting Fixtures
14. Inoperative Equipment
15. Insufficient Illumination
16. Materials Not Stored in Designated Areas
17. Material Protruding into Aisles
18. Pedestrian Lanes Not Indicated
19. Special Hazards Not Marked or Illuminated
20. Ventilation Equipment Not Being Used
21. Other (Note in Remarks)

REMARKS:

515 20-20 0-0

AUDITED BY (SIGNATURE) W E Muldrew

REVIEWED WITH (SIGNATURE) R. E. Shelton

01 - Fixed Protection

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1420	Small Parts Dismantling	63	61	03	3	3	3-14-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Catwalks	—		Ladder (stationery)	—	
Exit	/		Platforms	—	
Floors	/		Scaffolds	—	
Furniture	/		Stairs	—	
Ladder (portable)	—		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
1. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
				04			
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine	—		Steam (Bldg Ht - Below 15 psig)	—	
Hydrofluoric Acid	—		Steam (Low Pressure - 15 - 250 psig)	—	
Natural Gas	—		Steam (High Pressure - above 250 psig)	—	
Pyrofax	—		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

-516-

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

03 - Work Surfaces
04 - Piping & Containers

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1420	Small Parts Dismantling	03	61	05	9	9	3-14-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

INSPECTED	NO.	NO. UNSATISFACTORY (ITEM - CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Corded Equipment	IIII /	
Utilization Equipment	III	
High Voltage Equipment (Above 480 Volts)		
Disconnects	—	
Rotating Equipment	—	
Other (Note in Remarks)	—	

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
5. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
				06			
BM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling			Use of Safe Attire		
Use of Tools			Use of Personnel Protective Devices		
Use and Maintenance of Machines & Equipment			Work Habits		
Use of Ionizing Radiation Sources					

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

-517-

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (T 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1420	SMALL PARTS DISMANTLING	03	61	10	2	2	3-14-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

M/ E INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Arc Cutting Unit	—		Oxygen-Arc Cutting Unit	—	
Automatic Arc Welding Unit	—		Paper Cutter	—	
Bench or Pedestal Grinder	—		Planer (metal)	—	
Blower	—		Planer (wood)	—	
Boring Mill	—		Power Press	—	
Centrifuge	—		Press Brake	—	
Compressor	—		Pulverizer	—	
Crusher	—		Pump	—	
Diesels (stationary)	—		Saw (band - metal)	—	
Drill Press	—		Saw (band - wood)	—	
Fans	—		Saw (circular - metal)	—	
Forming Rolls	—		Saw (circular - wood)	—	
Gear Cutter	—		Saw (jig)	—	
Grinding Machine	—		Saw (power - rip)	—	
Hobber	—		Saw (radial)	—	
Jointer	—		Saw (swing)	—	
Lat[illegible]ngine)	—		Screw Machine	—	
Lat. [illegible]rret)	—		Shaper (metal)	—	
Lathe (woodworking)	—		Shaper (wood)	—	
Manual Arc Cutting Unit	—		Shears	—	
Manual Arc Welding Unit	—		Slicer	—	
Mixer	—		Other (Note in Remarks)	1 * / 1 @	

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

*POWER HACK SAW
@ SANDER, BELT

-578-

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT 1/61

UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

Page 1 of ___

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1420	SMALL PARTS DISMANTLING	03	01	01	1	1	2-16-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Auto.. Sprinkler System	1	4-13	Fire Extinguishers	—	
Emergency Exits	—		Protective Equip. Supply	—	
Emergency Station	—		P. A. System	—	
Evacuation Alarm	—		Safety Showers	—	
Eye Baths	—		Standpipes	—	
Fire Alarm Boxes	—		Other (Note in Remarks)	—	
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1420	SMALL PARTS DISMANTLING	03	01	02	7	7	2-16-61
BM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	1		Radiating Surfaces	1	
Illumination	1		Traffic Control	1	
Material Containment	1		Ventilation	1	
Radiation	1		Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Areas
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

-519-

AUDITED BY (SIGNATURE) W.E. Muldrew

REVIEWED WITH (SIGNATURE) J.E. Wrathall 19-18 4-4

01 - Fixed Protection
02 - Environmental Control

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1420	SMALL PARTS DISMANTLING	03	01	03	4	3	2-16-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART-REASON)	SURFACES CHECKED		NO. UNSATISFACTORY (PART-REASON)
Catw.	—		Ladder (stationery)	—	
Exit	1		Platforms	—	
Floors	1	1(21*-9)	Scaffolds	—	
Furniture	11		Stairs	—	
Ladder (portable)	—		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:
* DRAIN COVER MISSING

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
				04			
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART-CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Fluorine			Steam (Bldg Ht - Below 15 psig)		
Hydrofluoric Acid			Steam (Low Pressure - 15-250 psig)		
Natural Gas			Steam (High Pressure - above 250 psig)		
Pyrofax			Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

-520-

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

03 - Work Surfaces
04 - Piping & Containers

SAFETY AUDIT REPORT

JCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1420	SMALL PARTS DISMANTLING	03	01	05	7	7	2-16-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)	\	\ \ \ \ \ \ \
Corded Equipment	////	
Utilization Equipment	///	
High Voltage Equipment (Above 480 Volts)	\	\ \ \ \ \ \ \
Disconnects		
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
5. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1420	SMALL PARTS DISMANTLING	03	01	06	4	4	2-16-61
BM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	/		Use of Safe Attire	/	
Use of Tools	/		Use of Personnel Protective Devices	/	
Use and Maintenance of Machines & Equipment	—		Work Habits		
Use of Ionizing Radiation Sources	—				

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

-521-

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1420	Small Parts Department	03	01	01	13	11	2-20-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto Sprinkler System	//		Fire Extinguishers	///	
Emergency Exits	//		Protective Equip. Supply	—	
Emergency Station	/	*1(3-1)	P. A. System	/	
Evacuation Alarm	—		Safety Showers	/	
Eye Baths	//	1(3-2)	Standpipes	—	
Fire Alarm Boxes	/		Other (Note in Remarks)		
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS: * Radiation Instrument not operable

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO SATISFACTORY	DATE
1420	Small Parts Department	03	01	02	15	14	2-20-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	////	*1(4-2)	Radiating Surfaces	—	
Illumination	///		Traffic Control	/	
Material Containment	////		Ventilation	///	
Radiation	—		Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Areas
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS: * Material around Salvage Box-

General Remarks-

1. Emergency Equip Station inside Bldg - with only one mask (Chemical) which is out of date -
2. Compressed Gas cylinders not secured - (Belongs to Maint)

AUDITED BY (SIGNATURE) [illegible] 5222

REVIEWED WITH (SIGNATURE) [illegible] 2-21-61

01 - Fixed Protection

82-66 12-11

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1420	Small Parts Decont	03	01	03	15	15	2-20-61
1 - 5	6 - 45	46 - 49	50 - 51	52 - 53	54 - 57	58 - 61	62 - 67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED		NO. UNSATISFACTORY (PART - REASON)
Catwalk	—		Ladder (stationery)	/	
Exit	//		Platforms	/	
Floors	///		Scaffolds	//	
Furniture	HH		Stairs	—	
Ladder (portable)	/		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1420	Small Parts Decont	03	01	04	4	3	2-20-61
IBM 1 - 5	6 - 45	46 - 49	50 - 51	52 - 53	54 - 57	58 - 61	62 - 67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine	—		Steam (Bldg Ht - Below 15 psig)	//	
Hydrofluoric Acid	—		Steam (Low Pressure - 15 - 250 psig)	//	1(4-13)
Natural Gas	—		Steam (High Pressure - above 250 psig)	—	
Pyrofax	—		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

-523-

AUDITED BY (SIGNATURE)	REVIEWED WITH (SIGNATURE)	
[illegible]	E. [illegible]	2-21-61

03 - Work Surfaces
04 - Piping & Containers

SAFETY AUDIT REPORT

UCN 2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1410	Small Parts Decont	03	01	05	15	15	2-20-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)	—	
Corded Equipment	~~IIII~~	
Utilization Equipment	* ~~IIII~~ ~~IIII~~	
High Voltage Equipment (Above 480 Volts)	—	
Disconnects	—	
Rotating Equipment	—	
Other (Note in Remarks)	—	

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
5. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS: * Reels for pendant control cord not operable on electric hoist near floor pan.

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1410	Small Parts Decont.	03	01	06	14	11	2-20-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	IIII		Use of Safe Attire	IIII	
Use of Tools	II		Use of Personnel Protective Devices	III	1(24)
Use and Maintenance of Machines & Equipment	I		Work Habits	—	
Use of Ionizing Radiation Sources	—				

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

-524-

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SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1420	Small Parts Decont.	03	01	07	7	7	2-20-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Elec. Powered	///	
Hand	///	
Hydraulic	—	
Pneumatic Powered	+	
Powder Actuated	—	

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1420	Small Parts Decont.	03	01	08	13	11	2-20-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor	—		Power Truck	—	
Chain Hoist	—		Tractor	—	
Electric Hoist	//		Plant Railway	—	
Winch or Tugger	—		Skid	—	
Sling	///	1 (5-12)	Pallet	////	1 (19-1)
Lifting Fixture	/		Bicycle	—	
Dolley	—		Bus	—	
Handtruck	/		Passenger Car	—	
Wheelbarrow	—		Motor Truck	—	
Fork Truck	/		Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Crossing Signals	25. Hitches	39. Other (Note in Remarks)
12. C[illegible] Signs	26. Hooks	
13. D[illegible] Control	27. Horn	
[illegible]	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

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07 - Power Tools

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
420	Recovery Area	03	01	01	19	16	2-27-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Auto Sprinkler System	///		Fire Extinguishers	////	1(1-5)
Emergency Exits	///	1(7-8)	Protective Equip. Supply	//	
Emergency Station	/		P. A. System	/	
Evacuation Alarm	—		Safety Showers	//	1(3-6)
Eye Baths	//		Standpipes	—	
Fire Alarm Boxes	/		Other (Note in Remarks)		
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
420	Recovery Area-	03	01	02	16	16	2-27-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	////		Radiating Surfaces	/	*
Illumination	////		Traffic Control	—	
Material Containment	////		Ventilation	//	
Radiation	—		Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Areas
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS: * Steam lines at continuous dissolver noted on last survey

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01 - Fixed Protection
02 - Environmental Control

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SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1420	Recovery Area	35	01	03	24	22	2-27-61
1 - 5	6 - 45	46 - 49	50 - 51	52 - 53	54 - 57	58 - 61	62 - 67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Catw.	///		Ladder (stationery)	///	
Exit	//		Platforms	///	*1(21-19)
Floors	///	1(19-9)	Scaffolds		
Furniture	///		Stairs	///	
Ladder (portable)	//		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. ~~Trench~~ Cover for drain	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
0. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
1. Hinges		11. Not Well Illuminated	

REMARKS: * Drum of solution setting on pallet on top of portable dolly

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
476	Recovery Area			04	7	6	2-27-61
IBM 1 - 5	6 - 45	46 - 49	50 - 51	52 - 53	54 - 57	58 - 61	62 - 67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine	//		Steam (Bldg Ht - Below 15 psig)	//	
Hydrofluoric Acid	—		Steam (Low Pressure - 15 - 250 psig)	/	
Natural Gas	//	1(10-5)	Steam (High Pressure - above 250 psig)	—	
Pyrofax	—	—	Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

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03 - Work Surfaces
04 - Piping & Containers

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1420	Recovery Area	03	01	05	14	12	2-27-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low ge Equipment (Below 480 Volts)	—	
Corded Equipment	////	
Utilization Equipment	~~////~~	1(4-5) 1*(4-10)
High Voltage Equipment (Above 480 Volts)	—	
Disconnects		
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
6. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded
10. other

REMARKS: *Switch Breakers with doors left open in Switch Room-

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1420	Recovery Area-	03	01	06	15	15	2-27-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	///		Use of Safe Attire	////	
Use of Tools	//		Use of Personnel Protective Devices	////	
Use and Maintenance of Machines & Equipment	—		Work Habits	//	
Use of Ionizing Radiation Sources	—				

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

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SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1420	Recovery Area-	03	01	07	7	7	2-22-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Elec. Powered	11	
Hand	HH	
Hydraulic	—	
Pneumatic Powered	—	
Powder Actuated	—	

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1420	Recovery Area-	03	01	08	6	3	2-22-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor	+	* 1(7-10)	Power Truck	—	
Chain Hoist	—		Tractor	—	
Electric Hoist	1	** 1(39-10)	Plant Railway	—	
Winch or Tugger	—		Skid	—	
Sling	—		Pallet	1	
Lifting Fixture	1		Bicycle	—	
Dolley	1		Bus	—	
Handtruck	—		Passenger Car	—	
Wheelbarrow	—		Motor Truck	1	*** 1(39-8)
Fork Truck	—		Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance ~~Markers~~	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
0. Crank	24. Handrails	38. Whistle
1. Crossing Signals	25. Hitches	39. Other (Note in Remarks)
2. C[illegible]g Signs	26. Hooks	
3. D[illegible]n Control	27. Horn	
4. Dec[illegible]	28. Interlocks	

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UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

ARKS: * Elevator door spring out. *** Motor truck - 5477 - doors loose by fan - fastened
** Electric hoist in "E" area, possible for hoist to run off monorail

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07 - Power Tools
08 - Materials Handling

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1473	Recovery Area	03	61	09	4	4	2-27-6
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Acetylene Tank	—		Freon Tank	—	
Air Receivers	—		HF Tank	—	
Boilers	—		UF_6 Containers	//	
Compressed Gas Cylinders	//		Water Storage Heaters	—	
Fluorine Tank	—		Other (Note in Remarks)		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other (Note in Remarks)
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other (Note in Remarks)	7. Incorrect	14. Not Shielded	

REMARKS:

* Cool of liquid not identified in cabinet in "H" Area-

** Emergency lights removed from Emergency Boxes throughout facility

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SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
270	Recovery Area	03	01	10	6	1	2-27-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Arc Cutting Unit	—		Oxygen-Arc Cutting Unit	—	
Automatic Arc Welding Unit	—		Paper Cutter	—	
Bench or Pedestal Grinder	—		Planer (metal)	—	
Blower	—		Planer (wood)	—	
Boring Mill	—		Power Press	—	
Centrifuge	/		Press Brake	—	
Compressor	—		Pulverizer	/	
Crusher	—		Pump	///	
Diesels (stationary)	—		Saw (band - metal)	—	
Drill Press	—		Saw (band - wood)	—	
Fans	/		Saw (circular - metal)	—	
Forming Rolls	—		Saw (circular - wood)	—	
Gear Cutter	—		Saw (jig)	—	
Grinding Machine	—		Saw (power - rip)	—	
Hobber	—		Saw (radial)	—	
Jointer	—		Saw (swing)	—	
[illegible] (engine)	—		Screw Machine	—	
Lat[illegible]ret)	—		Shaper (metal)	—	
Lathe (woodworking)	—		Shaper (wood)	—	
Manual Arc Cutting Unit	—		Shears	—	
Manual Arc Welding Unit	—		Slicer	—	
Mixer	—		Other (Note in Remarks)		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
0. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

-531-

AUDITED BY (SIGNATURE) [illegible]

REVIEWED WITH (SIGNATURE) [illegible]

SAFETY-AUDIT REPORT

UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

(1) ~~Plaintiff~~ WCN 3-2-61
(2) Files

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
4-70	Large Equip Decont.	03	01	01	13	12	2-23-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto. Sprinkler System	//		Fire Extinguishers	////	
Emergency Exits	//		Protective Equip. Supply	—	
Emergency Station	/	*1(3-1)	P. A. System	/	
Evacuation Alarm	—		Safety Showers	/	
Eye Baths	/		Standpipes	—	
Fire Alarm Boxes	/		Other (Note in Remarks)		
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS: *Contents not labeled

ENVIRONMENTAL CONTROL

BUILD.	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
4-70	Large Equip Decont.	03	01	02	14	14	2-23-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	////		Radiating Surfaces	/	
Illumination	////		Traffic Control	/	
Material Containment	///		Ventilation	/	
Radiation	—		Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Areas
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

-532-

AUDITED BY (SIGNATURE) [signature]

REVIEWED WITH (SIGNATURE) [signature]

01 - Fixed Protection
02 - Environmental Control

97-99 15-16

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1470	Large Equip. Decont.	03	01	03	19	17	2-25-61
1 - 5	6 - 45	46 - 49	50 - 51	52 - 53	54 - 57	58 - 61	62 - 67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Catw.	III	*1 (16-19)	Ladder (stationery)	II	
Exit	II		Platforms	II	**1 (16-19)
Floors	III		Scaffolds	—	
Furniture	III		Stairs	II	
Ladder (portable)	II		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS: * Loose material on cat walk for furnace stands.
* Misc items on platform for crusher hopper

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1470	Large Equip Decont.	03	01	04	5	5	2-25-61
1 - 5	6 - 45	46 - 49	50 - 51	52 - 53	54 - 57	58 - 61	62 - 67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine	II		Steam (Bldg Ht - Below 15 psig)	II	
Hydrofluoric Acid	—		Steam (Low Pressure - 15 - 250 psig)	I	
Natural Gas	—		Steam (High Pressure - above 250 psig)	—	
Pyrofax	—		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

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03 - Work Surfaces
04 - Piping & Containers

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1470	Large Equip Decont.	03	01	05	15	15	7-23-6
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

IT INSPECTED	NO.	NO. UNSATISFACTORY (ITEM - CONDITION)
Low ge Equipment (Below 480 Volts)	—	
Corded Equipment	HH	
Utilization Equipment	HH HH	
High Voltage Equipment (Above 480 Volts)	—	
Disconnects	—	
Rotating Equipment	—	
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
5. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1470	Large Equip Decont.	03	01	06	15	15	7-23-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	III		Use of Safe Attire	HH	
Use of Tools	II		Use of Personnel Protective Devices	HH	
Use and Maintenance of Machines & Equipment	—		Work Habits	—	
Use of Ionizing Radiation Sources	—				

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

-534-

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE) J. Bodson

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
470	Large Equip Decont.	03	01	07	11	7	7-23-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered	11	2-(6-17-14)
Hand	~~11~~ 11	2-(9-7-2)
Hydraulic	—	
Pneumatic Powered	11	
Powder Actuated	—	

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remark.
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
470	Large Equip Decont.	03	01	08	14	13	7-23-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor	1		Power Truck	—	
Chain Hoist	—		Tractor	—	
Electric Hoist	1	* 1(8-5)	Plant Railway	—	
Winch or Tugger	—		Skid	—	
Sling	111		Pallet	11	
Lifting Fixture	11		Bicycle	—	
Dolley	111		Bus	—	
Handtruck	—		Passenger Car	—	
Wheelbarrow	—		Motor Truck	1	* 7775 -
Fork Truck	—		Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Crossing Signals	25. Hitches	39. Other (Note in Remarks)
12. C g Signs	26. Hooks	-535-
13. [in Control	27. Horn	
D	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS: * Cord Connector pulled out on cart.
** Emergency Eq. - marks are out of date.

AUDITED BY (SIGNATURE): [signature]

REVIEWED WITH (SIGNATURE): [signature]

07 - Power Tools
60 - Materials Handling

SAFETY AUDIT REPORT

HCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
470	Energy Equip Dev't.	03	01	10	6	6	2-22
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto...ic Arc Cutting Unit	—		Oxygen-Arc Cutting Unit	—	
Automatic Arc Welding Unit	—		Paper Cutter	—	
Bench or Pedestal Grinder	—		Planer (metal)	—	
Blower	—		Planer (wood)	—	
Boring Mill	—		Power Press	—	
Centrifuge	—		Press Brake	—	
Compressor	—		Pulverizer	/	
Crusher	/		Pump	//	
Diesels (stationary)	—		Saw (band - metal)	—	
Drill Press	—		Saw (band - wood)	—	
Fans	/		Saw (circular - metal)	—	
Forming Rolls	—		Saw (circular - wood)	—	
Gear Cutter	—		Saw (jig)	—	
Grinding Machine	—		Saw (power - rip)	—	
Hobber	—		Saw (radial)	—	
Jointer	—		Saw (swing)	—	
Lathe (engine)	—		Screw Machine	—	
Lat ret)	—		Shaper (metal)	—	
Lathe (woodworking)	—		Shaper (wood)	—	
Manual Arc Cutting Unit	—		Shears	—	
Manual Arc Welding Unit	—		Slicer	—	
Mixer	/		Other *(Note in Remarks)*		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other *(Note in Remarks)*
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other *(Note in Remarks)*	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1420	Small Parts Decontamination	03	01	01	10	7	1-18-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto. Sprinkler System	/		Fire Extinguishers	///	1(0-14)
Emergency Exits	/	1(2-6)	Protective Equip. Supply	—	
Emergency Station	/	1(2-14, 0-1)	P. A. System	/	
Evacuation Alarm	—		Safety Showers	/	
Eye Baths	/		Standpipes	—	
Fire Alarm Boxes	/		Other (Note in Remarks)		
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILD.	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO SATISFACTORY	DATE
1420	Small Parts Decontamination	03	01	02	10	8	1-18-61
BM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	///	1(6-21)*, 1(4-1), 1(6-17)	Radiating Surfaces	/	
Illumination	///		Traffic Control	/	
Material Containment	/		Ventilation	/	
Radiation	—		Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Areas
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS: *Work area congested east of floor pan-

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AUDITED BY (SIGNATURE) J. B. Bonnar

REVIEWED WITH (SIGNATURE) J. E. Whitaker

1 - Fixed Protection
2 - Environmental Control

11-11

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING (IBM 1-5)	LOCATION (6-45)	DIVISION CODE (46-49)	LOCATION CODE (50-51)	CLASS CODE (52-53)	NO. INSPECTED (54-57)	NO. SATISFACTORY (58-61)	DATE (62-67)
1420	Small Parts Decontamination	03	01	03	8	8	1-18-61

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED		NO. UNSATISFACTORY (PART - REASON)
Catw.	—		Ladder (stationery)	—	
Exit	—		Platforms	—	
Floors	//		Scaffolds	—	
Furniture	~~////~~		Stairs	—	
Ladder (portable)	—		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING (IBM 1-5)	LOCATION (6-45)	DIVISION CODE (46-49)	LOCATION CODE (50-51)	CLASS CODE (52-53)	NO. INSPECTED (54-57)	NO. SATISFACTORY (58-61)	DATE (62-67)
1420	Small Parts Decontamination	03	01	04	3	3	1-18-61

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine	—		Steam (Bldg Ht - Below 15 psig)	//	
Hydrofluoric Acid	—		Steam (Low Pressure - 15 - 250 psig)	/	
Natural Gas	—		Steam (High Pressure - above 250 psig)	—	
Pyrofax	—		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

-538-

J. B. Bonner

AUDITED BY (SIGNATURE)

J. E. Whitehead

REVIEWED WITH (SIGNATURE)

03 - Work Surfaces
04 - Piping & Containers

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1426	Small Parts Decontamination	03	01	05	14	13	1-18-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low ...ge Equipment (Below ...0 Volts)	—	
Corded Equipment	IIII	
Utilization Equipment	~~IIII~~ ~~IIII~~	1(1-10)*
High Voltage Equipment (Above 480 Volts)	—	
Disconnects		
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY	
1. Boxes	9. Insulation
2. Conduit	10. Plugs
3. Connectors	11. Receptacles
4. Breaker	12. Safety Switch
5. Grounds	13. Switch
6. Ground Mats	14. Warning Signs
7. Identification	15. Other (Note in Remarks)
8. Inspection Date and Tag	

UNSATISFACTORY CONDITION	
1. Broken	5. Does Not Meet Plant Specifications
2. Cracked	7. Not Provided
3. Damaged	8. Ungrounded
4. Deteriorated	9. Unguarded
5. Identification	10. other

REMARKS: * Cover loose - flexible conduit wired to vapor barrier

WORK PRACTICES

BUILD.	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1426	Small Parts Decontamination	03	01	06	11	11	
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	II		Use of Safe Attire	III	
Use of Tools	III		Use of Personnel Protective Devices	III	
Use and Maintenance of Machines & Equipment	—		Work Habits	—	
Use of Ionizing Radiation Sources	—				

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

-539-

J. B. Bonner — INITED BY (SIGNATURE)

J. E. Whitaker — REVIEWED WITH (SIGNATURE)

05 - Electrical
06 - Work Practices

SAFETY AUDIT REPORT

USN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING (IBM 1-5)	LOCATION (6-45)	DIVISION CODE (46-49)	LOCATION CODE (50-51)	CLASS CODE (52-53)	NO. INSPECTED (54-57)	NO. SATISFACTORY (58-61)	DATE (62-67)
1420	Small Parts Decontamination	03	01	07	5	5	1-18-6

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Elec owered	III	
Hand	II	
Hydraulic	—	
Pneumatic Powered	—	
Powder Actuated	—	

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILD (IBM 1-5)	LOCATION (6-45)	DIVISION CODE (46-49)	LOCATION CODE (50-51)	CLASS CODE (52-53)	NO. INSPECTED (54-57)	NO. SATISFACTORY (58-61)	DATE (62-67)
1420	Small Parts Decontamination	03	01	08	16	15	1-18-61

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor	—		Power Truck	—	
Chain Hoist	—		Tractor	—	
Electric Hoist	/		Plant Railway	—	
Winch or Tugger	—		Skid	—	
Sling	IIII	1(5-12)	Pallet	~~IIII~~ III	
Lifting Fixture	/		Bicycle	—	
Dolley	/		Bus	—	
Handtruck	—		Passenger Car	—	
Wheelbarrow	—		Motor Truck	—	
Fork Truck	/		Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Crossing Signals	25. Hitches	39. Other (Note in Remarks)
12. Cr g Signs	26. Hooks	
13. D n Control	27. Horn	
14. D	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS

-540-

AUDITED BY (SIGNATURE) J. B. Bonner

REVIEWED WITH (SIGNATURE) J. E. Whitaker

07 - Power Tools
08 - Materials Handling

SAFETY AUDIT REPORT
JCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1420	Recovery Area	03	01	01	11	6	1-19-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto Sprinkler System	/		Fire Extinguishers	////	1(3-10)
Emergency Exits	/	1(7-8)	Protective Equip. Supply	—	
Emergency Station	/	* 1(17-8)	P. A. System	/	
Evacuation Alarm	—		Safety Showers	/	1(7-8)
Eye Baths	/	1(3-6)	Standpipes	—	
Fire Alarm Boxes	/		Other (Note in Remarks)	—	
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS: * All Service masks out of date - and Turo not operable

ENVIRONMENTAL CONTROL

BUILD	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO SATISFACTORY	DATE
1420	Recovery Area			02	11	10	1-19-61
BM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	///		Radiating Surfaces	/	* 1(6-9)
Illumination	//		Traffic Control	—	
Material Containment	////		Ventilation		
Radiation	—		Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Areas
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS: * Steam Lines not insulated

541-

AUDITED BY (SIGNATURE) — E. Carnes — REVIEWED WITH (SIGNATURE) — 1-23-61

01 - Fixed Protection
02 - Environmental Control

96-83 20-19

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING (IBM 1-5)	LOCATION (6-45)	DIVISION CODE (46-49)	LOCATION CODE (50-51)	CLASS CODE (52-53)	NO. INSPECTED (54-57)	NO. SATISFACTORY (58-61)	DATE (62-67)
1470	Recovery Area-	03	01	03	15	14	1-23-61

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED		NO. UNSATISFACTORY (PART - REASON)
Catw.	//		Ladder (stationery)	/	
Exit	//		Platforms	/	
Floors	///	*1(21-19)	Scaffolds	—	
Furniture	//		Stairs	//	
Ladder (portable)	//		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS: * Catch pan at centrifuges - Not secured to floor - warped from floor - creating a tripping hazard.

PIPING AND CONTAINERS

BUILDING (IBM 1-5)	LOCATION (6-45)	DIVISION CODE (46-49)	LOCATION CODE (50-51)	CLASS CODE (52-53)	NO. INSPECTED (54-57)	NO. SATISFACTORY (58-61)	DATE (62-67)
1470	Recovery Area-	03	01	04	6	5	1-23-61

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine	/		Steam (Bldg Ht - Below 15 psig)	//	
Hydrofluoric Acid	—		Steam (Low Pressure - 15-250 psig)	//	
Natural Gas	/	1(16-5)	Steam (High Pressure - above 250 psig)	—	
Pyrofax	—		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

542

AUDITED BY (SIGNATURE) J B Brown

REVIEWED WITH (SIGNATURE) E Barnes 1-23-61

03 - Work Surfaces
04 - Piping & Containers

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1470	Recovery Area	03	01	05	24	18	1-23-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Corded Equipment	////	
Utilization Equipment	////	2(11-5) 2*(1-10)
High Voltage Equipment (Above 480 Volts)		
Disconnects	////	2(6-5)
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY	
1. Boxes	9. Insulation
2. Conduit	10. Plugs
3. Connectors	11. Receptacles
4. Breaker	12. Safety Switch
5. Grounds	13. Switch
6. Ground Mats	14. Warning Signs
7. Identification	15. Other (Note in Remarks)
8. Inspection Date and Tag	

UNSATISFACTORY CONDITION	
1. Broken	6. Does Not Meet Plant Specifications
2. Cracked	7. Not Provided
3. Damaged	8. Ungrounded
4. Deteriorated	9. Unguarded
5. Identification	10- Other

REMARKS: * Junction Box covers off

WORK PRACTICES

BUILD.	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1470	Recovery Area	03	01	06	20	19	1-23-61
3M 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	///		Use of Safe Attire	////	
Use of Tools	//		Use of Personnel Protective Devices	////	1(25)
Use and Maintenance of Machines & Equipment	/		Work Habits	////	
Use of Ionizing Radiation Sources	—				

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees	11. Machine Left Running Unattended	21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
2. Failed to Use Crane Hand Signals	12. Operating With Safety Device Removed	22. Entrance Made (Under Unsafe Act No. 21)
3. Failed to Use Warning Device	13. Incorrect Safety Device Used	23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
4. Regularly Used Limit Switch to Stop Motion	14. Operating With Safety Device Improperly Adjusted	24. Film Badge Not Worn
5. Materials Stored, Mixed, or Combined to Create a Hazard	15. Respiratory Protection Not Worn	25. Eye Protection Not Worn
6. Flammables Handled in Unapproved Safety Can	16. Improper Respiratory Protection Worn	26. Improper Eye Protection
7. Incorrect Tool Used	17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling	27. Hard Hats Not Worn
8. Unsafe Tool Used	18. Working on Equipment Not Secured Against Unexpected Operation	28. Gloves Not Worn
9. Tool Used Improperly	19. Passenger Permitted to Ride in Unsafe Manner	29. Smoking in Posted Areas
0. Machine Operated at Unsafe Speed	20. Operable Radiation Survey Meter Not at Job Site	30. Eating in Posted Areas

REMARKS:

-543'

F K Ryman — AUDITED BY (SIGNATURE)

E Parnes — REVIEWED WITH (SIGNATURE) — 1-23-61

05 - Electrical
06 - Work Practices

97-83 20-19

SAFETY AUDIT REPORT

UON-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1470	Recovery Area	03	01	07	5	5	1-23-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered	—	
Hand	HH	
Hydraulic	—	
Pneumatic Powered	—	
Powder Actuated	—	

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1470	Recovery Area	03	01	08	12	12	1-23-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor	—		Power Truck	—	
Chain Hoist	—		Tractor	—	
Electric Hoist	1		Plant Railway	—	
Winch or Tugger	—		Skid	—	
Sling	—		Pallet	1	
Lifting Fixture	1		Bicycle	—	
Dolley	HH III		Bus	—	
Handtruck	—		Passenger Car	—	
Wheelbarrow	—		Motor Truck	—	
Fork Truck	—		Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
0. Crank	24. Handrails	38. Whistle
1. Crossing Signals	25. Hitches	39. Other (Note in Remarks)
2. Cr g Signs	26. Hooks	
3. [n Control	27. Horn	
4. D	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE) J. K. Bonner 1544 — REVIEWED WITH (SIGNATURE) E. Parrish — 1-23-61

07 - Power Tools
08 - Materials Handling

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1620	Recovery Area	03	01	09	5	5	1-23-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Acetylene Tank	—		Freon Tank	—	
Air Receivers	—		HF Tank	—	
Boilers	—		UF_6 Containers	//	
Compressed Gas Cylinders	///		Water Storage Heaters	—	
Fluorine Tank	—		Other *(Note in Remarks)*	—	

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other *(Note in Remarks)*
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other *(Note in Remarks)*	7. Incorrect	14. Not Shielded	

REMARKS:

-545-

AUDITED BY (SIGNATURE) [signature]

REVIEWED WITH (SIGNATURE) [signature] 1-23-61

09 - Pressure Vessels & Gas Cylinders

SAFETY AUDIT REPORT

UC[illegible]-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1420	Recovery Area	03	01	10	8	8	1-23-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Auto[illegible]c Arc Cutting Unit	—		Oxygen-Arc Cutting Unit	—	
Automatic Arc Welding Unit	—		Paper Cutter	—	
Bench or Pedestal Grinder	—		Planer (metal)	—	
Blower	—		Planer (wood)	—	
Boring Mill	—		Power Press	—	
Centrifuge	1		Press Brake	—	
Compressor	—		Pulverizer	—	
Crusher	—		Pump	HM	
Diesels (stationary)	—		Saw (band - metal)	—	
Drill Press	—		Saw (band - wood)	—	
Fans	1		Saw (circular - metal)	—	
Forming Rolls	—		Saw (circular - wood)	—	
Gear Cutter	—		Saw (jig)	—	
Grinding Machine	—		Saw (power - rip)	—	
Hobber	—		Saw (radial)	—	
Jointer	—		Saw (swing)	—	
Lathe (engine)	—		Screw Machine	—	
La[illegible]et)	—		Shaper (metal)	—	
Lathe (woodworking)	—		Shaper (wood)	—	
Manual Arc Cutting Unit	—		Shears	—	
Manual Arc Welding Unit	—		Slicer	—	
Mixer	1		Other *(Note in Remarks)*		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other *(Note in Remarks)*
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other *(Note in Remarks)*	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

546

AUDITED BY (SIGNATURE) J B Bowman

REVIEWED WITH (SIGNATURE) E Parsons 1-23-61

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

Records File

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1-20	Large Equip Decont.	03	01	01	15	14	1-18-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto Sprinkler System	//		Fire Extinguishers	////	1(3-11)
Emergency Exits	/		Protective Equip. Supply	//	
Emergency Station	/	**1(17-13)	P. A. System	/	
Evacuation Alarm	—		Safety Showers	/	
Eye Baths	/		Standpipes	—	
Fire Alarm Boxes	/		Other (Note in Remarks) *	/	1(17-8)
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS: * Emergency Equipment Cabinet. Emergency Light that was in-operative
** Contents - mask out of date - Juno instrument inoperable

ENVIRONMENTAL CONTROL

BUIL.	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO SATISFACTORY	DATE
1-20	Large Equip Decont.	03	01	02	12	10	1-19-60
BM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping **	///	1(3-21)* 1(4-8)	Radiating Surfaces	—	
Illumination	///		Traffic Control	/	
Material Containment	//		Ventilation	///	
Radiation	—		Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Areas
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS: * Acetylene cylinder and hose in office under Table -
** Chemix Masks in Cold Trap Room - are out of date

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01 - Fixed Protection
02 - Environmental Control

105-91 19-16

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1420	Large Equip. Decont.	03	01	03	15	12	1-19-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART-REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART-REASON)
Cat.	//		Ladder (stationery)	//	
Exit	//		Platforms	//	*1(16-19) 1(16-3)
Floors	//		Scaffolds	—	
Furniture	//		Stairs	//	
Ladder (portable)	1	1(6-1)	Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS: * Loose materials on platform for saw -

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1420	Large Equip Decont.	03	01	04	3	2	1-19-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART-CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Fluorine	1		Steam (Bldg Ht - Below 15 psig)	1	1(4-11)
Hydrofluoric Acid	—		Steam (Low Pressure - 15-250 psig)	1	
Natural Gas	—		Steam (High Pressure - above 250 psig)	—	
Pyrofax	—		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

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03 - Work Surfaces
04 - Piping & Containers

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1470	Large Equip Decont.	03	01	05	20	15	1-19-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Corded Equipment	IIII	2(9-1)
Utilization Equipment	HH HH	*1(1-10) 2(4-5)
High Voltage Equipment (Above 480 Volts)		
Disconnects	HHII	
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
6. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded
10. other -

REMARKS: * Junction Box that had cover missing

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1470	Large Equip Decont.	03	01	06	19	16	1-19-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	III	
Use of Tools	II	
Use and Maintenance of Machines & Equipment	II	*1 (Bd)
Use of Ionizing Radiation Sources	—	

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Use of Safe Attire	HHI	
Use of Personnel Protective Devices	HHI	2(24)
Work Habits		

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas
31. Other

REMARKS: * Do not enter sign - down - while machine was operating

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SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1420	Large Equip Decont.	03	01	07	23	20	1-19-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND-CONDITION)
Ele. Powered	1111	
Hand	~~1111~~ ~~1111~~ ~~1111~~	3(9-7)
Hydraulic	—	
Pneumatic Powered	1111	
Powder Actuated	—	

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remark
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1420	Large Equip Decont.	03	01	08	16	15	1-19-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Conveyor	1		Power Truck	—	
Chain Hoist	—		Tractor	—	
Electric Hoist	1		Plant Railway	—	
Winch or Tugger	1		Skid	—	
Sling	~~1111~~	1(5-5)	Pallet		
Lifting Fixture	111		Bicycle	—	
Dolley	111		Bus	—	
Handtruck	1		Passenger Car	—	
Wheelbarrow	—		Motor Truck	—	
Fork Truck	1		Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Crossing Signals	25. Hitches	39. Other (Note in Remarks)
12. [illegible]g Signs	26. Hooks	
13. L[illegible]in Control	27. Horn	
14. D[illegible]	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

-550-

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07 Power Tools

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING (1-5)	LOCATION (6-45)	DIVISION CODE (46-49)	LOCATION CODE (50-51)	CLASS CODE (52-53)	NO. INSPECTED (54-57)	NO. SATISFACTORY (58-61)	DATE (62-67)
1470	Large Equip Decontamination	03	01	10	5	5	1-19-61

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Au[illegible] Arc Cutting Unit	1		Oxygen-Arc Cutting Unit	—	
Automatic Arc Welding Unit	—		Paper Cutter	—	
Bench or Pedestal Grinder	—		Planer (metal)	—	
Blower	—		Planer (wood)	—	
Boring Mill	—		Power Press	—	
Centrifuge	—		Press Brake	—	
Compressor	—		Pulverizer	—	
Crusher	1		Pump	11	
Diesels (stationary)	—		Saw (band - metal)	—	
Drill Press	—		Saw (band - wood)	—	
Fans	—		Saw (circular - metal)	1	
Forming Rolls	—		Saw (circular - wood)	—	
Gear Cutter	—		Saw (jig)	—	
Grinding Machine	—		Saw (power - rip)	—	
Hobber	—		Saw (radial)	—	
Jointer	—		Saw (swing)	—	
[illegible]athe (engine)	—		Screw Machine	—	
[illegible] [illegible]et)	—		Shaper (metal)	—	
[illegible]athe (woodworking)	—		Shaper (wood)	—	
Manual Arc Cutting Unit	—		Shears	—	
Manual Arc Welding Unit	—		Slicer	—	
Mixer	—		Other (Note in Remarks)		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
Dust Collector	19. Hose		9. Maintenance	
Flanges	20. Inspection Date and Tag		10. Missing	

EMARKS:

-551-

DITED BY (SIGNATURE) J. B. Lemon

REVIEWED WITH (SIGNATURE) J. C. Hodson 1-19-61

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

JW : 1hr

FIXED PROTECTION
(Personnel - Fire)

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1420	SMALL PARTS DISMANTLING	03	01	01	1	1	1-20-60
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auton. Sprinkler System	1		Fire Extinguishers	—	
Emergency Exits	—		Protective Equip. Supply	—	
Emergency Station	—		P. A. System	—	
Evacuation Alarm	—		Safety Showers	—	
Eye Baths	—		Standpipes	—	
Fire Alarm Boxes	—		Other (Note in Remarks)	—	
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1420	SMALL PARTS DISMANTLING	63	01	02	4	4	1-20-60
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	1		Radiating Surfaces	—	
Illumination	1		Traffic Control	—	
Material Containment	1		Ventilation	1	
Radiation	—		Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Areas
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

552

AUDITED BY (SIGNATURE) W E Muldrew

REVIEWED WITH (SIGNATURE) E. J. Petters 21-20 6-6

1 - Fixed Protection
2 - Environmental Control

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1420	Small Parts Dismantling	03	01	03	6	5	1-20-64
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART-REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART-REASON)
Catwalks	—		Ladder (stationery)	—	
Exit	11		Platforms	—	
Floors	1	(21-9)'	Scaffolds	—	
Furniture	11		Stairs	—	
Ladder (portable)	—		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

(1) Drain Cover Missing

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
				04			
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART-CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Fluorine			Steam (Bldg Ht - Below 15 psig)		
Hydrofluoric Acid			Steam (Low Pressure - 15-250 psig)		
Natural Gas			Steam (High Pressure - above 250 psig)		
Pyrofax			Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

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E. J. Peters

AUDITED BY (SIGNATURE) W E Muldrew

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1420	SMALL PARTS DISMANTLING	03	01	05	10	10	1-20-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-6

ITEMS INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low [illegible]e Equipment (Below [illegible]0 Volts)	—	
Corded Equipment	MH	
Utilization Equipment	MH	
High Voltage Equipment (Above 480 Volts)	—	
Disconnects	—	
Rotating Equipment	—	
Other (Note in Remarks)	—	

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
5. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1420	SMALL PARTS DISMANTLING	03	01	06	6	6	1-20-6ϕ
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	1		Use of Safe Attire	11	
Use of Tools	1		Use of Personnel Protective Devices	11	
Use and Maintenance of Machines & Equipment	—		Work Habits	—	
Use of Ionizing Radiation Sources	—				

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel c Enclosure, when Unsafe Because of Temperatu Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

-55H-

AUDITED BY (SIGNATURE) W E Muldrew

REVIEWED WITH (SIGNATURE) E J. Peters

#18 monitor 1420 E Area

00073 WEM 2-6-61	JAN 31	11 59 PM '61
00075	JAN 31	4 00 PM '61
00023	JAN 31	7 59 AM '61
00019	JAN 30	11 59 PM '61
00019	JAN 30	3 59 PM '61
00135	JAN 30	7 59 AM '61
00000	JAN 30	5 01 AM '61
00001	JAN 30	4 59 AM '61
00009	JAN 27	7 57 AM '61
00007	JAN 26	11 57 PM '61
00014	JAN 26	3 57 PM '61
00047	JAN 26	7 57 AM '61
00015	JAN 25	11 57 PM '61
00022	JAN 25	3 57 PM '61
00006	JAN 25	7 57 AM '61
00009	JAN 24	11 57 PM '61
00029	JAN 24	3 57 PM '61
00014	JAN 24	9 41 AM '61
00017 -555-	JAN 24	7 57 AM '61
[illegible]	JAN 23	11 57 PM '61

Cal Freeb

Cal. Check

0 0 0 1 7	JAN 24 7 57 AM '61
0 0 0 1 0	JAN 23 11 57 PM '61
0 0 0 6 1	JAN 23 3 57 PM '61
0 0 0 0 7	JAN 23 7 57 AM '61
0 0 0 0 6	JAN 22 11 57 PM '61
0 0 0 0 7	JAN 22 3 57 PM '61
0 0 0 1 1	JAN 22 7 57 AM '61
0 0 0 0 7	JAN 21 11 57 PM '61
0 0 0 0 7	JAN 21 3 57 PM '61
0 0 0 1 5	JAN 21 7 57 AM '61
0 0 0 0 6	JAN 20 11 57 PM '61
0 0 0 1 5	JAN 20 3 57 PM '61
0 0 0 0 8	JAN 20 7 57 AM '61
0 0 0 2 3	JAN 19 11 57 PM '61
0 0 0 2 8	JAN 19 3 57 PM '61
0 0 0 2 1	JAN 19 7 57 AM '61
0 0 0 1 0	JAN 18 11 57 PM '61
0 0 0 1 2	JAN 18 3 57 PM '61
0 0 0 1 8	JAN 18 7 57 AM '61
0 0 0 0 9	JAN 17 11 57 PM '61
0 0 0 1 3	JAN 17 3 57 PM '61
0 0 0 1 8	JAN 17 7 57 AM '61
0 0 0 0 7	JAN 16 11 57 PM '61
0 0 2 2 6	JAN 16 3 57 PM '61
0 0 0 1 0	JAN 16 7 57 AM '61
0 0 0 0 8	JAN 15 11 57 PM '61
0 0 0 0 4	JAN 15 3 57 PM '61
0 0 0 0 4	JAN 15 7 57 AM '61
0 0 0 0 5	JAN 14 11 57 PM '61
0 0 0 0 3	JAN 14 3 57 PM '61
0 0 0 0 3	JAN 14 7 57 AM '61
0 0 0 1 3	JAN 13 11 57 PM '61
0 0 0 0 9	JAN 13 3 57 PM '61
0 0 0 2 1	JAN 13 7 57 AM '61
0 0 0 1 9	JAN 12 11 57 PM '61
	JAN 12 3 57 PM '61

-556-

0 0 0 0 3	Jan 14 3 57 PM '61
0 0 0 0 3	Jan 14 7 57 AM '61
0 0 0 1 3	Jan 13 11 57 PM '61
0 0 0 0 9	Jan 13 3 57 PM '61
0 0 0 2 1	Jan 13 7 57 AM '61
0 0 0 1 9	Jan 12 11 57 PM '61
0 0 0 2 9	Jan 12 3 57 PM '61
0 0 0 0 4	Jan 12 7 57 AM '61
0 0 0 0 1	Jan 11 11 57 PM '61
0 0 0 0 1	Jan 11 3 57 PM '61
0 0 0 0 1	Jan 11 7 57 AM '61
0 0 0 0 1	Jan 10 11 57 PM '61
0 0 0 0 1	Jan 10 3 57 PM '61
0 0 0 0 1	Jan 10 7 57 AM '61
0 0 0 0 1	Jan 9 11 57 PM '61
0 0 0 0 1	Jan 9 3 57 PM '61
0 0 0 0 2	Jan 9 7 57 AM '61
0 0 0 0 5	Jan 8 11 57 PM '61
0 0 0 0 4	Jan 8 3 57 PM '61
0 0 0 0 5	Jan 8 7 57 AM '61
0 0 0 0 5	Jan 7 11 57 PM '61
0 0 0 0 7	Jan 7 3 57 PM '61
0 0 0 1 1	Jan 7 7 57 AM '61
0 0 0 0 7	Jan 6 11 57 PM '61
0 0 0 0 9	Jan 6 3 57 PM '61
0 0 0 1 2	Jan 6 7 57 AM '61
0 0 0 0 7	Jan 5 11 57 PM '61
0 0 0 1 1	Jan 5 3 57 PM '61
0 0 0 1 5	Jan 5 7 57 AM '61
0 0 0 1 5	Jan 4 11 57 PM '61
0 0 0 1 5	Jan 4 3 57 PM '61
0 0 0 2 8	Jan 4 7 57 AM '61
0 0 0 0 8	Jan 3 11 57 PM '61
0 0 0 2 4	Jan 3 3 57 PM '61
0 0 0 0 9	Jan 3 7 57 AM '61

551

0 0 0 1 5	JAN 3 7 57 AM '61
0 0 0 1 5	JAN 4 11 57 PM '61
0 0 0 1 5	JAN 4 3 57 PM '61
0 0 0 2 8	JAN 4 7 57 AM '61
0 0 0 0 8	JAN 3 11 57 PM '61
0 0 0 2 4	JAN 3 3 57 PM '61
0 0 0 2 0	JAN 3 7 57 AM '61

Motts
E. Area
K-14120
1-3-61

TOT. ACT. = 15 NO. SAMPLES = 88
AV. ACT. = 0.17 NO. > PAL = 2
% > PAL = 2.3

JAN. '61
K-1420

ALL K-1420
JAN. 1960

TOT. ACT. = 173 NO. SAMPLES = 311
AV. ACT. = 0.56 NO. > P.A.L. = 27
% > PAL = 8.7

0 0 0 0 5	DEC 33 11 57 PM '60
0 0 0 0 6	DEC 33 3 57 PM '60
0 0 0 1 0	DEC 33 7 57 AM '60
0 0 0 0 6	DEC 32 11 57 PM '60
0 0 0 0 4	DEC 32 3 57 PM '60
0 0 0 0 5	DEC 32 7 57 AM

Film Removed - 2-1-61
5 monitor - 14 in Large Equip
Chamber used to stump
at 11:54 1-3/-61
WEM 2-6-62

0 0 0 0 6	Jan 31 3 59 PM '61
0 0 5 6 6 —	Jan 31 7 59 PM '61
0 0 0 6 8	Jan 30 11 59 PM '61
0 0 0 0 6	Jan 30 3 59 PM '61
0 0 0 4 9	Jan 30 7 59 AM '61
0 0 6 8 0 —	Jan 29 11 59 PM '61
0 0 0 0 3	Jan 29 3 59 PM '61
0 0 3 1 3 —	Jan 29 7 59 AM '61
0 1 2 0 3 —	Jan 28 11 59 PM '61
0 0 6 4 9 —	Jan 28 3 59 PM '61
0 0 1 1 6 —	Jan 28 7 59 AM '61
0 0 2 9 6 —	Jan 27 11 59 PM '61
0 0 3 7 4 —	Jan 27 3 59 PM '61
0 1 1 7 2 —	Jan 27 7 59 AM '61
0 0 3 2 3 —	Jan 26 11 59 PM '61
0 0 1 2 3 —	Jan 26 3 59 PM '61
0 0 1 3 6 —	Jan 26 7 59 AM '61
0 0 0 1 0	Jan 25 11 59 PM '61
0 0 0 5 2	Jan 25 3 59 PM '61
0 0 0 9 4 —	Jan 25 7 59 AM '61
0 0 1 2 3 —	Jan 24 11 59 PM '61
0 0 0 8 4	Jan 24 3 59 PM '61
0 0 0 6 1	Jan 24 7 59 AM '61
0 0 0 1 9	Jan 23 11 59 PM '61
0 0 0 4 0	Jan 23 3 59 PM '61
0 0 0 0 8	Jan 23 7 59 AM '61
0 0 0 0 7	Jan 22 11 59 PM '61
0 0 0 1 1	Jan 22 3 59 PM '61
0 1 0 1 5 —	Jan 22 7 59 AM '61
0 0 2 5 0 —	Jan 21 11 59 PM '61
0 0 0 0 6	Jan 21 3 59 PM '61
0 0 0 0 7 -560-	Jan 21 7 59 AM '61
0 0 0 0 6	Jan 20 11 59 PM '61
	Jan 20 3 59 PM '61

0 0 0 0 1	Jan 22 3 59 PM '61
0 0 0 1 1	Jan 22 7 59 AM '61
0 1 0 1 5	Jan 21 11 59 PM '61
0 0 2 5 0	Jan 21 3 59 PM '61
0 0 0 0 6	Jan 21 7 59 AM '61
0 0 0 0 7	Jan 20 11 59 PM '61
0 0 0 0 6	Jan 20 3 59 PM '61
0 0 0 4 3	Jan 20 7 59 AM '61
0 0 0 0 8	Jan 19 11 59 PM '61
0 0 0 0 8	Jan 19 3 59 PM '61
0 0 0 5 5	Jan 19 7 59 AM '61
0 0 0 1 9	Jan 18 11 59 PM '61
0 0 0 1 0	Jan 18 3 59 PM '61
0 0 0 4 2	Jan 18 7 59 AM '61
0 0 0 1 2	Jan 17 11 59 PM '61
0 0 0 1 5	Jan 17 3 59 PM '61
0 0 0 2 3	Jan 17 7 59 AM '61
0 0 0 3 7	Jan 16 11 59 PM '61
0 0 0 8 6	Jan 16 3 59 PM '61
0 0 0 2 3	Jan 15 7 59 AM '61
0 0 0 0 8	Jan 15 11 59 PM '61
0 0 0 0 7	Jan 15 3 59 PM '61
0 0 0 0 8	Jan 15 7 59 AM '61
0 0 0 0 9	Jan 14 11 59 PM '61
0 0 0 0 7	Jan 14 3 59 PM '61
0 0 0 1 3	Jan 14 7 59 AM '61
0 0 0 1 1	Jan 13 11 59 PM '61
0 0 2 1 2	Jan 13 3 59 PM '61
0 0 0 2 3	Jan 13 7 59 AM '61
0 0 0 2 7	Jan 12 11 59 PM '61
0 0 0 1 3	Jan 12 3 59 PM '61
0 0 0 2 2	Jan 12 7 59 AM '61
0 0 0 1 9	Jan 11 11 59 PM '61
0 0 0 1 3	Jan 11 3 59 PM '61
0 0 0 2 4	Jan 11 7 59 AM '61
0 0 0 2 9	Jan 10 11 59 PM '61
0 0 0 1 5	Jan 10 3 59 PM '61
0 0 0 2 5	Jan 10 7 59 AM '61
0 0 0 0 8	Jan 9 11 59 PM '61
0 0 0 1 7	Jan 9 3 59 PM '61
0 0 0 2 1	

0 0 0 2 9		7 59 AM '61
0 0 0 1 5		11 59 PM '61
0 0 0 2 5		3 59 PM '61
0 0 0 0 8		7 59 AM '61
0 0 0 1 7		11 59 PM '61
0 0 0 2 1		3 59 PM '61
0 0 0 1 3		7 59 AM '61
0 0 7 4 0		11 59 PM '61
0 0 0 0 9		Jan 8 3 59 PM '61
0 0 0 1 1		7 59 AM '61
0 0 0 9 9		Jan 7 11 59 PM '61
0 0 0 1 7		3 59 PM '61
0 0 3 5 0		Jan 7 7 59 AM '61
0 0 0 5 4		Jan 6 11 59 PM '61
0 0 0 1 0		Jan 6 3 59 PM '61
0 0 0 9 2		Jan 6 7 59 AM '61
0 0 0 6 8		Jan 5 11 59 PM '61
0 0 0 4 2		Jan 5 3 59 PM '61
0 0 0 0 0		Jan 5 7 59 AM '61
0 0 1 6 7	1415	Jan 4 11 59 PM '61
0 0 0 2 8		Jan 4 3 59 PM '61
0 0 0 2 5		Jan 4 7 59 AM '61
0 0 0 1 0		Jan 3 11 59 PM '61
0 0 0 3 9		Jan 3 3 59 PM '61
0 0 0 2 1		Jan 3 7 59 AM '61

PAPER FILTER INSTALLED 1/6/61

1-3-61
Floor pan
Large equip.
12-1-120 bldg.
Not 5

TOT. ACT. = 116 NO. SAMPLES = 92
AV. ACT. = 1.3 NO. > PAL = 20
% > PAL = 22

JAN. '61
K-1420

00011	Dec 33 11 59 PM '60
00017	Dec 33 3 59 PM '60
00015	Dec 33 7 59 AM '60
00019	Dec 32 11 59 PM '60
00018	Dec 32 3 59 PM '60
00018	Dec 32 7 59 AM '60

00080	Jan 32 12 01 AM '61
00048	Jan 31 4 01 PM '61
00219	Jan 31 8 01 AM '61
00016	Jan 31 12 01 AM '61
00013	Jan 30 4 01 PM '61
00013	Jan 30 8 01 AM '61
00016	Jan 30 12 01 AM '61
00067	Jan 29 4 01 PM '61
00010	Jan 29 8 01 AM '61
00009	Jan 29 12 01 AM '61
00009	Jan 28 4 01 PM '61
00012	Jan 28 8 01 AM '61
00009	Jan 28 12 01 AM '61
00037	Jan 27 4 01 PM '61
00008	Jan 27 8 01 AM '61
00011	Jan 27 12 01 AM '61
00230	Jan 26 4 01 PM '61
00288	Jan 26 8 01 AM '61
00021	Jan 26 12 01 AM '61
00060	Jan 25 4 01 PM '61
00010	Jan 25 8 01 AM '61
00010	Jan 25 12 01 AM '61
00043	Jan 24 4 01 PM '61
00035	Jan 24 10 01 AM '61
00021	Jan 24 8 01 AM '61

00010	JAN 25 12 01 AM '61
00043	JAN 24 4 01 PM '61
00035	JAN 24 10 01 AM '61
00021	JAN 24 8 01 AM '61
00015	JAN 24 12 01 AM '61
00047	JAN 23 4 01 PM '61
00008	JAN 23 8 01 AM '61
00008	JAN 22 12 01 AM '61
00010	JAN 22 4 01 PM '61
00026	JAN 22 8 01 AM '61
00009	JAN 22 12 01 AM '61
00010	JAN 21 4 01 PM '61
00011	JAN 21 8 01 AM '61
00059	JAN 21 12 01 AM '61
00017	JAN 20 4 01 PM '61
00015	JAN 20 8 01 AM '61
00025	JAN 20 12 01 AM '61
00048	JAN 19 4 01 PM '61
00068	JAN 19 8 01 AM '61
00109	JAN 19 12 01 AM '61
00033	JAN 18 4 01 PM '61
00055	JAN 18 8 01 AM '61
00043	JAN 18 12 01 AM '61
00028	JAN 17 4 01 PM '61
00013	JAN 17 8 01 AM '61
00048	JAN 17 12 01 AM '61
00053	JAN 16 4 01 PM '61
00015	JAN 16 8 01 AM '61
00011	JAN 16 12 01 AM '61
00008	JAN 15 4 01 PM '61
00011	JAN 15 8 01 AM '61
00011	JAN 15 12 01 AM '61
00011	JAN 14 4 01 PM '61
00013	JAN 14 8 01 AM '61
00425	JAN 14 12 01 AM '61
00064	JAN 13 4 01 PM '61

-565

0 0 0 1 1	JAN 15 8 01 AM '61
0 0 0 1 1	JAN 15 12 01 AM '61
0 0 0 1 1	JAN 14 4 01 PM '61
0 0 0 1 3	JAN 14 8 01 AM '61
0 0 4 2 5	JAN 14 12 01 AM '61
0 0 0 6 4	JAN 13 4 01 PM '61
0 0 0 9 2	JAN 13 8 01 AM '61
0 0 0 3 8	JAN 13 12 01 AM '61
0 0 0 4 8	JAN 12 4 01 PM '61
0 0 0 3 5	JAN 12 8 01 AM '61
0 0 0 2 2	JAN 12 12 01 AM '61
0 0 0 3 4	JAN 11 4 01 PM '61
0 0 0 4 4	JAN 11 8 01 AM '61
0 0 0 2 6	JAN 11 12 01 AM '61
0 0 0 2 7	JAN 10 4 01 PM '61
0 0 0 2 8	JAN 10 8 01 AM '61
0 0 0 1 8	JAN 10 12 01 AM '61
0 0 0 9 8	JAN 9 4 01 PM '61
0 0 0 1 1	JAN 9 8 01 AM '61
0 0 0 1 8	JAN 9 12 01 AM '61
0 0 0 1 1	JAN 8 4 01 PM '61
0 0 0 1 9	JAN 8 8 01 AM '61
0 0 0 1 3	JAN 8 12 01 AM '61
0 0 0 2 7	JAN 7 4 01 PM '61
0 0 0 3 0	JAN 7 8 01 AM '61
0 0 0 6 6	JAN 7 12 01 AM '61
0 0 0 4 7	JAN 6 4 01 PM '61
0 0 0 5 0	JAN 6 8 01 AM '61
0 0 0 1 8	JAN 6 12 01 AM '61
0 0 0 2 4	JAN 5 4 01 PM '61
0 0 0 2 3	JAN 5 8 01 AM '61
0 0 0 2 9	JAN 5 12 01 AM '61
0 0 0 2 1	JAN 4 4 01 PM '61
0 0 0 1 8	JAN 4 8 01 AM '61
0 0 0 1 1	JAN 4 12 01 AM '61

NEW FILTER PAPER INST. 1/6/61 1400

-SEC

00023		JAN 5 8 01 AM '61
00029		JAN 5 12 01 AM '61
00021		JAN 4 4 01 PM '61
00018	NEW FILTER PAPER INS 1/6/61	JAN 4 8 01 AM '61
00011		JAN 4 12 01 AM '61
00050		JAN 3 4 01 PM '61
00027		JAN 3 8 01 AM '61

NOTE
H-AVE
K-1420
1-3-61

TOT. ACT. = 37 NO. SAMPLES = 94
AV. ACT. = 0.39 NO. > PAL = 5
% > PAL = 5.3

JAN '61
K-1420

AM 01
1 PM '61
01 AM '61

0 0 0 0 8
0 0 0 1 0
0 0 0 1 6
0 0 0 1 0
0 0 0 0 8
0 0 0 0 8

Dec 34 12 01 AM '60
Dec 33 4 01 PM '60
Dec 33 8 01 AM '60
Dec 33 12 01 AM '60
Dec 32 4 01 PM '60
Dec 32 8 01 AM '60

0 0 0 1 8	Jan 32 [illegible] PM '61
0 0 0 1 7	Jan 31 4 00 PM '61
0 0 0 2 4	Jan 31 8 00 AM '61
0 0 0 1 7	Jan 31 12 00 AM '61
0 0 0 0 8	Jan 30 4 00 PM '61
0 0 0 0 1	Jan 30 8 00 AM '61

Filt Removed 3-1-61
Air monitor #4
Recovery Area West of Columbia

TOT. ACT. = 5.3 NO. SAMPLES = 37
AV. ACT. = 0.14 NO. > PAL = 0
% > PAL = 0

JAN. '61
K-1420

0 0 0	Jan 30 8 00 AM '61
0 0 0 0 7	Jan 30 12 00 AM '61
0 0 0 0 0	Jan 29 4 00 PM '61
0 0 0 1 2	Jan 29 8 00 AM '61
0 0 0 0 9	Jan 28 12 00 AM '61
0 0 0 1 3	Jan 28 4 00 PM '61
0 0 0 2 3	Jan 28 8 00 AM '61
0 0 0 0 0	Jan 28 12 00 AM '61
0 0 0 1 0	Jan 27 4 00 PM '61

569

					Jan 30 8 00 PM '61
					Jan 30 12 00 AM '61
0	0	0	0	0	Jan 29 4 00 PM '61
0	0	0	0	1	Jan 29 8 00 AM '61
0	0	0	0	0	Jan 29 12 00 AM '61
0	0	0	1	2	Jan 28 4 00 PM '61
0	0	0	0	0	Jan 28 8 00 AM '61
0	0	0	1	0	Jan 28 12 00 AM '61
0	0	0	2	0	Jan 27 4 00 PM '61
0	0	0	0	0	Jan 27 8 00 PM '61
0	0	0	1	0	Jan 27 12 00 AM '61
0	0	0	1	1	Jan 26 4 00 PM '61
0	0	0	0	1	Jan 26 8 00 AM '61
0	0	0	1	4	Jan 26 12 00 AM '61
0	0	0	1	1	Jan 25 4 00 PM '61
0	0	0	1	0	Jan 25 8 00 AM '61
0	0	0	1	1	Jan 25 12 00 AM '61
0	0	0	0	0	Jan 24 4 00 PM '61
0	0	0	1	2	Jan 24 8 00 AM '61
0	0	0	0	0	Jan 24 12 00 AM '61
0	0	0	1	0	Jan 23 4 00 PM '61
0	0	0	1	0	Jan 23 8 00 AM '61
0	0	0	1	0	Jan 23 12 00 AM '61
0	0	0	2	2	Jan 22 4 00 PM '61
0	0	0	1	3	Jan 22 8 00 AM '61
0	0	0	0	0	Jan 22 12 00 AM '61
0	0	0	1	0	Jan 21 4 00 PM '61
0	0	0	2	0	Jan 21 8 00 AM '61
0	0	0	1	0	Jan 21 12 00 AM '61
0	0	0	0	0	Jan 20 4 00 PM '61
0	0	0	1	1	Jan 20 8 00 PM [illegible]
0	0	0	2	1	Jan 20 [illegible]
0	0	0	2	1	
0	0	0	[illegible]	[illegible]	

Another to locate out of Left.

2-1-61
Worst
K-1120
Large Equip.
Col. D-12
WEMS
2-2-61

0 0 0 1 2	Feb 29 12 01 AM '61
0 0 0 4 9	Feb 28 4 01 PM '61
0 0 0 1 5	Feb 28 8 01 AM '61
0 0 0 1 0	Feb 28 12 01 AM '61
0 0 0 5 0	Feb 27 4 01 PM '61
0 0 0 2 7	Feb 27 8 01 AM '61
0 0 0 2 2	Feb 27 12 01 AM '61
0 0 0 1 6	Feb 26 4 01 PM '61
0 0 0 1 4	Feb 26 8 01 AM '61
0 0 0 1 5	Feb 26 12 01 AM '61
0 0 0 2 9	Feb 25 4 01 PM '61
0 0 0 4 5	Feb 25 8 01 AM '61
0 0 0 1 2	Feb 25 12 01 AM '61
0 0 0 1 0	Feb 24 4 01 PM '61
0 0 0 2 1	Feb 24 8 01 AM '61
0 0 0 1 5	Feb 24 12 01 AM '61
0 0 0 1 3	Feb 23 4 01 PM '61
0 0 0 0 6	Feb 23 8 01 AM '61
0 0 0 0 5	Feb 23 12 01 AM '61
0 0 0 0 6	Feb 22 4 01 PM '61
0 0 0 0 9	Feb 22 8 01 AM '61
0 0 0 1 1	Feb 22 12 01 AM '61
0 0 0 2 4	Feb 21 4 01 PM '61
0 0 0 1 8	Feb 21 8 01 AM '61
0 0 0 1 5	Feb 21 12 01 AM '61
0 0 0 3 5	Feb 20 4 01 PM '61
0 0 0 2 2	Feb 20 8 01 AM '61
0 0 0 1 9	Feb 20 12 01 AM '61
0 0 0 1 2	Feb 19 4 01 PM '61
0 0 1 5 7	Feb 19 8 01 AM '61
0 0 0 9 9	Feb 19 12 01 AM '61
0 0 0 2 0	Feb 18 4 01 PM '61
0 0 0 1 9	Feb 18 8 01 AM '61

-571-

0 0 0 2 2	Feb 20 8 01 AM '61
0 0 0 1 9	Feb 20 12 01 AM '61
0 0 0 1 2	Feb 19 4 01 PM '61
0 0 1 5 7	Feb 19 8 01 AM '61
0 0 0 0 9	Feb 19 12 01 AM '61
0 0 0 2 0	Feb 18 4 01 PM '61
0 0 0 1 9	Feb 18 8 01 AM '61
0 0 0 1 8	Feb 18 12 01 AM '61
0 0 0 2 6	Feb 17 4 01 PM '61
0 0 0 5 4	Feb 17 8 01 AM '61
0 0 0 3 3	Feb 17 12 01 AM '61
0 0 0 2 2	Feb 16 4 01 PM '61
0 0 4 4 9	Feb 16 8 01 AM '61
0 0 0 2 9	Feb 16 12 01 AM '61
0 0 0 2 3	Feb 15 4 01 PM '61
0 0 0 3 2	Feb 15 8 01 AM '61
0 0 0 5 4	Feb 15 12 01 AM '61
0 0 0 2 3	Feb 14 4 01 PM '61
0 0 0 0 9	Feb 14 8 01 AM '61
0 0 0 0 8	Feb 14 12 01 AM '61
0 0 0 2 5	Feb 13 4 01 PM '61
0 0 0 3 6	Feb 13 1 01 PM '61
0 0 2 3 4	Feb 13 5 01 AM '61
0 0 0 2 0	Feb 12 9 01 PM '61
0 0 0 2 5	Feb 12 1 01 PM '61
0 0 0 1 4	Feb 12 5 01 AM '61
0 0 0 1 2	Feb 11 9 01 PM '61
0 0 1 0 2	Feb 11 1 01 PM '61
0 0 0 3 0	Feb 11 5 01 AM '61
0 0 0 2 6	Feb 10 9 01 PM '61
~~0 5 3 9 7~~	~~Feb 10 1 01 PM '61~~

TOT. Act. = 24 NO. SAMPLES = 59
Av. Act. = 0.42 NO > PAL = 5
% > PAL = 8.8

K-1420
Feb. '61

5 months
left to serve
Exp. 2-1-61

0 0 2 8 9 6 8 2 0 0

FEB 1 7 00 AM '61

Superintendent
Federal Penitentiary

Superintendent
Federal Penitentiary
Gen 11:59 PM

.574

0	0	0	0	2	FEB 28	12 00 AM '61
0	0	0	0	7	FEB 27	4 00 PM '61
0	0	0	0	4	FEB 27	8 00 AM '61
0	0	0	0	4	FEB 27	11 59 PM '61
0	0	0	0	4	FEB 27	4 00 PM '61
0	0	0	0	2	FEB 27	7 59 AM '61
0	0	0	0	2	FEB 27	12 00 AM '61
0	0	0	0	1	FEB 26	4 00 PM '61
0	0	0	0	2	FEB 26	8 00 AM '61
0	0	0	0	2	FEB 26	12 00 AM '61
0	0	0	0	2	FEB 25	4 00 PM '61
0	0	0	0	9	FEB 25	8 00 AM '61
0	0	0	0	3	FEB 25	12 00 AM '61
0	0	0	0	3	FEB 24	3 59 PM '61
0	0	0	0	2	FEB 24	8 00 AM '61
0	0	0	0	1	FEB 24	12 00 AM '61
0	0	0	0	1	FEB 23	4 00 PM '61
0	0	0	0	1	FEB 23	8 00 AM '61
0	0	0	0	1	FEB 23	12 00 AM '61
0	0	0	0	1	FEB 22	4 00 PM '61
0	0	0	0	1	FEB 22	8 00 AM '61
0	0	0	0	1	FEB 22	12 00 AM '61
0	0	0	0	1	FEB 21	4 00 PM '61
0	0	0	0	1	FEB 21	8 00 AM '61
0	0	0	0	1	FEB 21	12 00 AM '61
0	0	0	0	3	FEB 20	4 00 PM '61
0	0	0	0	4	FEB 20	8 00 AM '61
0	0	0	0	3	FEB 20	12 01 AM '61
0	0	0	0	2	FEB 19	4 01 PM '61
0	0	0	0	2	FEB 19	8 01 AM '61
0	0	0	0	2	FEB 19	12 01 AM '61
0	0	0	0	2	FEB 18	4 01 PM '61
0	0	0	0	3	FEB 18	8 00 AM '61

WO #18
E-AREA-12-1420

3-1-61
WEND
3-2-61

-575-

0 0 0 0 3	FEB 20 12 01 AM '61
0 0 0 0 2	FEB 19 4 01 PM '61
0 0 0 0 2	FEB 19 8 01 AM '61
0 0 0 0 2	FEB 19 12 01 AM '61
0 0 0 0 2	FEB 18 4 01 PM '61
0 0 0 0 3	FEB 18 8 00 AM '61
0 0 0 0 2	FEB 18 12 00 AM '61
0 0 0 0 2	FEB 17 4 00 PM '61
0 0 5 5 7	FEB 17 8 01 AM '61
0 0 0 1 9	FEB 14 7 53 AM '61
0 0 0 2 3	FEB 13 11 53 PM '61
0 1 1 5 0	FEB 13 3 53 PM '61
0 0 0 5 1	FEB 13 7 53 AM '61
0 0 0 2 9	FEB 12 11 59 PM '61
0 0 0 2 3	FEB 12 4 00 PM '61
0 0 0 3 8	FEB 12 7 59 AM '61
0 0 0 2 5	FEB 12 12 00 AM '61
0 0 0 2 5	FEB 11 4 00 PM '61
0 0 0 3 6	FEB 11 [illegible] AM '61
0 0 0 3 8	FEB 11 12 00 AM '61
0 0 1 1 6	FEB 10 3 59 PM '61
0 0 0 6 7	FEB 10 7 59 AM '61
0 0 0 6 0	FEB 9 11 59 PM '61
0 0 0 5 4	FEB 9 3 59 PM '61
0 0 0 4 2	FEB 9 8 00 AM '61
0 0 0 5 0	FEB 8 11 59 PM '61
0 0 0 7 9	FEB 8 3 59 PM '61
0 0 0 0 4	FEB 8 7 59 AM '61
0 0 0 0 6	FEB 7 11 59 PM '61
0 0 0 1 1	FEB 7 3 59 PM '61
0 0 0 0 9	FEB 7 7 59 AM '61
0 0 0 1 2	FEB 6 11 59 PM '61
0 0 0 1 5 576	FEB 6 3 59 PM '61
0 0 0 0 6	FEB 6 8 00 AM '61
	FEB 5 11 59 PM '61

0 0 0 1 1	FEB 7 3 59 PM '61
0 0 0 0 9	FEB 7 7 59 AM '61
0 0 0 1 2	FEB 6 11 59 PM '61
0 0 0 1 5	FEB 6 3 59 PM '61
0 0 0 0 6	FEB 6 8 00 AM '61
0 0 0 1 5	FEB 5 11 59 PM '61
0 0 0 1 0	FEB 5 3 59 PM '61
0 0 0 1 2	FEB 5 7 59 AM '61
0 0 0 1 1	FEB 5 12 00 AM '61
0 0 0 1 1	FEB 4 3 59 PM '61
0 0 0 1 3	FEB 4 7 59 AM '61
0 0 0 0 9	FEB 3 11 59 PM '61
0 0 0 1 3	FEB 3 4 00 PM '61
0 0 0 0 7	FEB 3 7 59 AM '61
0 0 0 1 0	FEB 2 11 59 PM '61
0 0 0 1 1	FEB 2 3 59 PM '61
0 0 0 2 5	FEB 2 8 00 AM '61
0 0 0 1 4	FEB 2 12 00 AM '61
0 0 0 1 9	FEB 1 3 59 PM '61

Results # 18
Receiving Area
E Blue
2-1-61

-577-

Tot. Act. = 29 No. Samples = 76
= 0.38 No. DPAL = 3

TOT. ACT. = 29 No. Samples = 76

~~Avg~~ ACT. = 0.38 No. > PAL = 3

% > ~~PAL~~ = 3.9

K-1420
Feb '61

00031

JAN 32 7 59 AM '61

578

0	0	0	2	1	FEB 29 12 00 AM '61
0	0	0	1	0	FEB 28 3 59 PM '61
0	0	0	1	3	FEB 28 8 00 AM '61
0	0	0	0	0	FEB 28 12 00 AM '61
0	0	0	2	0	FEB 27 4 00 PM '61
0	0	0	3	3	FEB 27 8 00 AM '61
0	0	0	1	8	FEB 26 11 59 PM '61
0	0	0	1	2	FEB 26 3 59 PM '61
0	0	0	0	0	FEB 26 7 59 AM '61
0	0	0	1	1	FEB 25 12 00 AM '61
0	0	0	0	8	FEB 25 3 59 PM '61
0	0	0	4	2	FEB 25 7 59 AM '61
0	0	0	2	2	FEB 25 12 00 AM '61
0	0	0	2	3	FEB 24 4 00 PM '61
0	0	0	1	3	FEB 24 8 00 AM '61
0	0	0	1	0	FEB 24 12 00 AM '61
0	0	0	1	4	FEB 23 4 00 PM '61
0	0	0	1	3	FEB 23 8 00 AM '61
0	0	0	2	2	FEB 23 12 00 AM '61
0	0	0	1	3	FEB 22 4 00 PM '61
0	0	0	1	0	FEB 22 8 00 AM '61
0	0	0	1	3	FEB 22 12 00 AM '61
0	0	0	1	0	FEB 21 4 00 PM '61
0	0	0	0	3	FEB 21 8 00 AM '61
0	0	0	1	0	FEB 21 12 00 AM '61
0	0	0	0	0	FEB 20 4 00 PM '61
0	0	0	1	0	FEB 20 8 00 AM '61
0	0	0	2	0	FEB 20 12 00 AM '61
0	0	0	0	3	FEB 19 4 00 PM '61
0	0	0	0	0	FEB 19 8 00 AM '61
0	0	0	0	8	FEB 19 12 00 AM '61
0	0	0	1	0	FEB 18 4 00 PM '61
0	0	0	1	0	FEB 18 8 00 AM '61
0	0	0	1	4	FEB 18 12 00 AM '61
0	0	0	3	1	FEB 17 4 00 PM '61
					FEB 17 8 00 AM '61

3-1-61

3-1-61

-579-

0	0	0	2	5	FEB 20 12 00 AM '61
0	0	0	0	3	FEB 19 4 00 PM '61
0	0	0	0	0	FEB 19 8 00 AM '61
0	0	0	0	0	FEB 19 12 00 AM '61
0	0	0	1	0	FEB 18 4 00 PM '61
0	0	0	1	0	FEB 18 8 00 AM '61
0	0	0	1	4	FEB 18 12 00 AM '61
0	0	0	3	1	FEB 17 4 00 PM '61
0	0	0	2	3	FEB 17 8 00 AM '61
0	0	0	2	0	FEB 17 12 00 AM '61
0	0	0	0	2	FEB 16 4 00 PM '61
0	0	0	0	0	FEB 16 8 00 AM '61
0	0	0	0	2	FEB 16 12 00 AM '61
0	0	0	0	1	FEB 15 4 00 PM '61
0	0	0	0	1	FEB 15 8 00 AM '61
0	0	0	0	1	FEB 15 12 00 AM '61
0	0	0	0	0	FEB 14 4 00 PM '61
0	0	0	0	1	FEB 14 8 00 AM '61
0	0	0	0	1	FEB 14 12 00 AM '61
0	0	0	0	4	FEB 13 4 00 PM '61
0	0	0	1	0	FEB 13 12 57 PM '61
0	0	0	0	3	FEB 13 4 57 AM '61
0	0	0	0	3	FEB 12 8 57 PM '61
0	0	0	2	2	FEB 12 12 57 PM '61
0	0	0	1	0	FEB 12 4 57 AM '61
0	0	0	1	4	FEB 11 8 57 PM '61
0	0	0	2	0	FEB 11 12 57 PM '61
0	0	1	0	4	FEB 11 4 57 AM '61
0	0	2	0	3	FEB 10 8 57 PM '61
0	0	1	4	2	FEB 10 12 57 PM '61
0	0	1	0	0	FEB 10 4 57 AM '61
0	0	0	1	0	FEB 9 8 57 PM '61
0	0	0	1	4	FEB 9 12 57 PM '61
0	0	0	0	3	FEB 9 4 57 AM '61
0	0	0	2	3	FEB 8 8 57 PM '61
0	0	0	0	2	FEB 7 1 26 PM '61
0	0	0	0	2	FEB 7 8 00 AM '61
0	0	0	0	3	FEB 7 12 00 AM '61
0	0	0	0	3	FEB 6 4 00 PM '61
					FEB 6 8 00 AM '61

580

0	0	0	2	3
0	0	0	0	2
0	0	0	0	2
0	0	0	0	3
0	0	0	0	3
0	0	0	0	2
0	0	0	0	2
0	0	0	0	3
0	0	0	0	3
0	0	0	0	3
0	0	0	0	3
0	0	0	0	3
0	0	0	0	2
0	0	0	0	3
0	0	0	0	2
0	0	0	0	2
0	0	0	0	0
0	0	0	0	1
0	0	0	1	0
0	0	0	1	0
0	0	0	0	0

FEB 8 0 97 1 m 01

FEB	7	1 26 PM '61
FEB	7	8 00 AM '61
FEB	7	12 00 AM '61
FEB	6	4 00 PM '61
FEB	6	8 00 AM '61
FEB	6	12 00 AM '61
FEB	5	4 00 PM '61
FEB	5	8 00 AM '61
FEB	5	12 00 AM '61
FEB	4	4 00 PM '61
FEB	4	8 00 AM '61
FEB	4	12 00 AM '61
FEB	3	4 00 PM '61
FEB	3	8 00 AM '61
FEB	3	12 00 AM '61
FEB	2	4 00 PM '61
FEB	2	8 00 AM '61
FEB	2	12 00 AM '61
FEB	1	4 00 PM '61
FEB	1	8 00 AM '61

# of minutes
1470
Recovery Area
2-1-61

Tot. Act. = 16 No. Samples = 84
Av. Act. = 0.19 No. > PAL = 4
π-1420 % > PAL = 4.8
FEB '61

U U U U U
U U U 1 5

FEB 1 7 29 PM '61
FEB 2 7 [illegible] '61

3-1-61

Hotel H-Blue -

Hotel #19

0 0 0 1 9	FEB 29	12 01 AM '61
0 0 0 6 7	FEB 28	4 01 PM '61
0 0 2 7 0	FEB 28	8 01 AM '61
0 0 0 5 1	FEB 28	12 01 AM '61
0 0 0 3 7	FEB 27	4 01 PM '61
0 0 0 1 5	FEB 27	8 01 AM '61
0 0 0 2 2	FEB 27	12 01 AM '61
0 0 1 8 4	FEB 26	4 01 PM '61
0 0 0 2 2	FEB 26	8 01 AM '61
0 0 0 0 9	FEB 26	12 01 AM '61
0 0 0 4 1	FEB 25	4 01 PM '61
0 0 3 0 1	FEB 25	8 01 AM '61
0 0 0 9 3	FEB 25	12 01 AM '61
0 0 1 2 6	FEB 24	4 01 PM '61
0 0 0 1 2	FEB 24	8 01 AM '61
0 0 0 1 4	FEB 24	12 01 AM '61
0 0 0 1 4	FEB 23	4 01 PM '61
0 0 0 1 3	FEB 23	8 01 AM '61
0 0 0 1 3	FEB 23	12 01 AM '61
0 0 0 1 3	FEB 22	4 01 PM '61
0 0 0 1 4	FEB 22	8 01 AM '61
0 0 0 1 3	FEB 22	12 01 AM '61
0 0 0 1 9	FEB 21	4 01 PM '61
0 0 0 1 1	FEB 21	8 01 AM '61
0 0 2 6 7	FEB 21	12 01 AM '61
0 0 0 3 3	FEB 20	4 01 PM '61
0 0 0 1 7	FEB 20	8 01 AM '61
0 0 0 4 8	FEB 20	12 01 AM '61
0 0 0 1 3	FEB 19	4 01 PM '61
0 0 0 1 4	FEB 19	8 01 AM '61
0 0 1 3 7	FEB 19	12 01 AM '61
0 0 0 2 3	FEB 18	4 01 PM '61
0 0 0 5 5	FEB 18	8 01 AM '61
0 0 0 4 2	FEB 18	12 01 AM '61
0 0 0 8 0	FEB 17	4 01 PM '61
	FEB 17	8 01 AM '61

-583-

0 0 0 1 3	FEB 19 4 01 PM '61
0 0 0 1 4	FEB 19 8 01 AM '61
0 0 1 3 7	FEB 19 12 01 AM '61
0 0 0 2 3	FEB 18 4 01 PM '61
0 0 0 5 5	FEB 18 8 01 AM '61
0 0 0 4 2	FEB 18 12 01 AM '61
0 0 0 8 0	FEB 17 4 01 PM '61
0 0 0 3 2	FEB 17 8 01 AM '61
0 0 0 2 0	FEB 17 12 01 AM '61
0 0 0 7 4	FEB 16 4 01 PM '61
0 0 0 5 6	FEB 16 8 01 AM '61
0 0 1 0 1	FEB 16 12 01 AM '61
0 0 0 1 7	FEB 15 4 01 PM '61
0 0 0 4 1	FEB 15 8 01 AM '61
0 0 0 1 9	FEB 15 12 01 AM '61
0 0 1 0 5	FEB 14 4 01 PM '61
0 0 0 1 8	FEB 14 8 01 AM '61
0 0 0 1 1	FEB 14 12 01 AM '61
0 0 0 3 2	FEB 13 4 01 PM '61
0 0 0 3 1	FEB 13 8 01 AM '61
0 0 0 2 2	FEB 13 12 01 AM '61
0 0 0 1 2	FEB 12 4 01 PM '61
0 0 0 2 1	FEB 12 8 01 AM '61
0 0 0 1 2	FEB 12 12 01 AM '61
0 0 0 1 2	FEB 11 4 01 PM '61
0 0 0 2 2	FEB 11 8 01 AM '61
0 0 1 9 9	FEB 11 12 01 AM '61
0 0 5 6 7	FEB 10 4 01 PM '61
0 0 0 6 3	FEB 10 8 01 AM '61
0 0 1 4 9	FEB 10 12 01 AM '61
0 0 0 5 9	FEB 9 4 01 PM '61
0 0 0 1 5	FEB 9 8 01 AM '61
0 0 0 1 8	FEB 9 12 01 AM '61
0 0 1 1 4	FEB 8 4 01 PM '61
0 0 0 1 0	FEB 8 8 01 AM '61

-584-

00015	FEB 9 8 01 AM '61
00018	FEB 9 12 01 AM '61
00114	FEB 8 4 01 PM '61
00010	FEB 8 8 01 AM '61
00009	FEB 8 12 01 AM '61
00159	FEB 7 4 01 PM '61
00014	FEB 7 8 01 AM '61
00030	FEB 7 12 01 AM '61
00068	FEB 6 4 01 PM '61
00240	FEB 6 8 01 AM '61
00023	FEB 6 12 01 AM '61
00011	FEB 5 4 01 PM '61
00015	FEB 5 8 01 AM '61
00062	FEB 5 12 01 AM '61
00011	FEB 4 4 01 PM '61
00018	FEB 4 8 01 AM '61
00171	FEB 4 12 01 AM '61
00366	FEB 3 4 01 PM '61

2:10 pm Friday 2/3/61

00119	FEB 3 8 01 AM '61
00397	FEB 3 12 01 AM '61
00053	FEB 2 4 01 PM '61
00155	FEB 2 8 01 AM '61
00050	FEB 2 12 01 AM '61
00053	FEB 1 4 01 PM '61
00045 585	FEB 1 8 01 AM '61

00155 FEB 2 8 01 AM '61

00050 FEB 2 12 01 AM '61
00053 FEB 1 4 01 PM '61

00045 FEB 1 8 01 AM '61

TOT. ACT. = 60 NO. SAMPLES = 84
AV. ACT. = 0.71 NO. > PAL = 19
% > PAL = 23

K-1420
Feb. '61

ALL K-1420
Feb 1961

TOT. ACT. = 129 NO. SAMPLES = 301
AV. ACT. = 0.43 NO. > PAL = 31
% > PAL = 10

0 0 0 0 0	Mar 24 12 01 AM '61
0 0 0 0 0	Mar 23 4 01 PM '61
0 0 0 0 0	Mar 23 8 01 PM '61
0 0 0 0 0	Mar 23 12 01 AM '61
0 0 0 0 0	Mar 22 4 01 PM '61
0 0 0 0 0	Mar 22 8 01 AM '61
0 0 0 0 0	Mar 22 12 01 AM '61
0 0 0 0 0	Mar 21 4 01 PM '61
0 0 0 0 0	Mar 21 8 01 PM '61
0 0 0 0 0	Mar 21 12 01 AM '61
0 0 0 0 0	Mar 20 4 01 PM '61
0 0 0 0 0	Mar 20 8 01 AM '61
0 0 0 0 0	Mar 20 12 01 AM '61
0 0 0 0 0	Mar 19 4 01 PM '61
0 0 0 0 0	Mar 19 8 01 AM '61
0 0 0 0 0	Mar 19 12 01 AM '61
0 0 0 0 0	Mar 18 4 01 PM '61
0 0 0 0 0	Mar 18 8 01 AM '61
0 0 0 0 0	Mar 18 12 01 AM '61
0 0 0 0 0	Mar 17 4 01 PM '61
0 0 0 0 0	Mar 17 8 01 AM '61
0 0 0 0 0	Mar 17 12 01 AM '61
0 0 0 0 0	Mar 16 4 01 PM '61
0 0 0 0 0	Mar 16 8 01 AM '61
0 0 0 0 0	Mar 16 12 01 AM '61
0 0 0 0 0	Mar 15 4 01 PM '61
0 0 0 0 0	Mar 15 8 01 AM '61
0 0 0 0 0	Mar 15 12 01 AM '61
0 0 0 0 0	Mar 14 4 01 PM '61
0 0 0 0 0	Mar 14 8 01 AM '61
0 0 0 0 0	Mar 14 12 01 AM '61
0 0 0 0 0	Mar 13 4 01 PM '61
0 0 0 0 2	Mar 13 8 01 AM '61
0 0 0 0 1	Mar 13 12 01 AM '61
0 0 0 0 2	Mar 12 4 01 PM '61
0 0 0 0	

587

0 0 0 0 0	Mar 13 4 01 PM '61
0 0 0 0 2	Mar 13 8 01 AM '61
0 0 0 0 1	Mar 13 12 01 AM '61
0 0 0 0 2	Mar 12 4 01 PM '61
0 0 0 0 2	Mar 12 8 01 AM '61
0 0 0 0 1	Mar 12 12 01 AM '61
0 0 0 0 2	Mar 11 4 01 PM '61
0 0 0 1 9	Mar 11 8 01 AM '61
0 0 0 4 3	Mar 11 12 01 AM '61
0 0 0 6 3	Mar 10 4 01 PM '61
0 0 1 8 3 —	Mar 10 8 01 AM '61
0 0 0 2 5	Mar 10 12 01 AM '61
0 0 0 1 7	Mar 9 4 01 PM '61
0 0 0 1 1	Mar 9 8 01 AM '61
0 0 0 1 3	Mar 9 12 01 AM '61
0 0 0 2 3	Mar 8 4 01 PM '61
0 0 0 1 0	Mar 8 8 01 AM '61
0 0 0 1 7	Mar 8 12 01 AM '61
0 0 0 4 3	Mar 7 4 01 PM '61
0 0 0 1 7	Mar 7 8 01 AM '61
0 0 0 2 8	Mar 7 12 01 AM '61
0 0 0 3 5	Mar 6 4 01 PM '61
0 0 0 1 2	Mar 6 8 01 AM '61
0 0 0 2 1	Mar 6 12 01 AM '61
0 0 0 2 4	Mar 5 4 01 PM '61
0 0 0 2 6	Mar 5 8 01 AM '61
0 0 0 1 6	Mar 5 12 01 AM '61
0 0 0 3 1	Mar 4 4 01 PM '61
0 0 0 9 0	Mar 4 8 01 AM '61
0 0 0 8 2	Mar 4 12 01 AM '61
0 0 0 8 1	Mar 3 4 01 PM '61
0 0 2 5 6 —	Mar 3 8 01 AM '61
0 0 0 1 3	Mar 3 12 01 AM '61
0 0 0 8 2	Mar 2 4 01 PM '61
0 0 2 3 2 —	Mar 2 8 01 AM '61
0 0 0 1 7	Mar 2 12 01 AM '61
0 0 0 7 3	Mar 1 4 01 PM '61
0 0 1 6 1 —	Mar 1 8 01 AM '61

588

Tot. Act. = 18 No. samples = 69

Av Act. = 0.26 No. > PAL = 4

0 0 0 2 4	MAR 5 4 01 PM '61
0 0 0 2 6	MAR 5 8 01 PM '61
0 0 0 1 6	MAR 5 12 01 AM '61
0 0 0 3 1	MAR 4 4 01 PM '61
0 0 0 9 0	MAR 4 8 01 AM '61
0 0 0 8 2	MAR 4 12 01 AM '61
0 0 0 8 1	MAR 3 4 01 PM '61
0 0 2 5 6 —	MAR 3 8 01 AM '61
0 0 0 1 3	MAR 3 12 01 AM '61
0 0 0 8 2	MAR 2 4 01 PM '61
0 0 2 3 2 —	MAR 2 8 01 AM '61
0 0 0 1 7	MAR 2 12 01 AM '61
0 0 0 7 3	MAR 1 4 01 PM '61
0 0 1 6 1 —	MAR 1 8 01 AM '61

TOT. ACT. = 18 NO. SAMPLES = 69
AV. ACT. = 0.26 NO. > PAL = 4
% > PAL = 5.8

K-1420
MAR '61

ALL K-1420
MAR '61

TOT. ACT. = 114 NO. SAMPLES = 313
AV. ACT. = 0.36 NO. > PAL = 22
% > PAL = 7.0%

0	0	0	0	9	Mar 31 11 57 PM '61
0	0	0	1	1	Mar 31 3 57 PM '61
0	0	0	1	3	Mar 31 7 57 AM '61
0	0	0	2	4	Mar 30 11 57 PM '61
0	0	0	5	9	Mar 30 3 57 PM '61
0	0	0	1	8	Mar 30 7 57 AM '61
0	0	0	3	7	Mar 29 11 57 PM '61
0	0	0	2	2	Mar 29 3 57 PM '61
0	0	0	2	9	Mar 29 7 57 AM '61
0	0	0	1	9	Mar 28 11 57 PM '61
0	0	0	4	7	Mar 28 3 57 PM '61
0	0	0	2	4	Mar 28 7 57 AM '61
0	0	0	1	3	Mar 27 11 57 PM '61
0	0	0	2	2	Mar 27 3 57 PM '61
0	0	0	3	2	Mar 27 7 57 AM '61
0	0	0	3	1	Mar 26 10 57 PM '61
0	0	0	1	6	Mar 26 2 57 PM '61
0	0	0	2	6	Mar 26 6 57 AM '61
0	0	0	1	3	Mar 25 10 57 PM '61
0	0	0	0	5	Mar 25 2 57 PM '61
0	0	0	1	2	Mar 25 6 57 AM '61
0	0	0	0	7	Mar 24 10 57 PM '61
0	0	0	1	3	Mar 24 2 57 PM '61
0	0	0	0	9	Mar 24 6 57 AM '61
0	0	0	8	0	Mar 23 10 57 PM '61
0	0	0	8	9	Mar 23 2 57 PM '61
0	0	0	0	9	Mar 23 6 57 AM '61
0	0	0	0	9	Mar 22 10 57 PM '61
0	0	0	4	6	Mar 22 2 57 PM '61
0	0	0	1	0	Mar 22 6 57 AM '61
0	0	0	1	6	Mar 21 10 57 PM '61
0	0	1	1	3	Mar 21 2 57 PM '61
0	0	0	6	1	Mar 21 6 57 AM '61
0	0	0	7	0	Mar 20 10 57 PM '61
0	0	0	8	6	Mar 20 2 57 PM '61
0	0	1	4	4	Mar 20 6 57 AM '61
0	0	0	4	8	Mar 19 12 01 AM '61
0	0	0	1	1	Mar 18 4 01 PM '61
0	0	0	5	7	Mar 18 8 01 AM '61
0	0	0	2	3	Mar 18 12 01 AM '61
					Mar 17 4 01 PM '61

590

0 0 0 4 8	MAR 19	12 01 AM '61
0 0 0 1 1	MAR 18	4 01 PM '61
0 0 0 5 7	MAR 18	8 01 AM '61
0 0 0 2 3	MAR 18	12 01 AM '61
0 0 1 1 6	MAR 17	4 01 PM '61
0 0 0 2 2	MAR 17	8 01 AM '61
0 0 0 4 5	MAR 17	12 01 AM '61
0 0 0 9 9	MAR 16	4 01 PM '61
0 0 0 0 7	MAR 16	8 01 AM '61
0 0 0 1 1	MAR 16	12 01 AM '61
0 0 4 3 6	MAR 15	4 01 PM '61
0 0 0 1 8	MAR 15	8 01 AM '61
0 0 0 1 5	MAR 15	12 01 AM '61
0 0 0 1 4	MAR 14	4 01 PM '61
0 0 0 0 8	MAR 14	8 01 AM '61
0 0 0 1 1	MAR 14	12 01 AM '61
0 0 0 6 5	MAR 13	4 01 PM '61
0 0 0 2 0	MAR 13	8 01 AM '61
0 0 0 1 5	MAR 13	12 01 AM '61
0 0 0 2 0	MAR 12	4 01 PM '61
0 0 0 2 5	MAR 12	8 01 AM '61
0 0 0 1 6	MAR 12	12 01 AM '61
0 0 0 1 6	MAR 11	4 01 PM '61
0 0 0 2 9	MAR 11	8 01 AM '61
0 0 0 6 4	MAR 11	12 01 AM '61
0 0 0 9 9	MAR 10	4 01 PM '61
0 0 3 9 7	MAR 10	8 01 AM '61
0 0 0 1 2	MAR 10	12 01 AM '61
0 0 0 3 3	MAR 9	4 01 PM '61
0 0 0 4 2	MAR 9	8 01 AM '61
0 0 0 0 4	MAR 9	12 01 AM '61
0 0 0 0 6	MAR 9	4 01 PM '61
0 0 0 0 8	MAR 8	8 01 AM '61
0 0 0 1 3	MAR 8	12 01 AM '61
0 0 1 2 3	MAR 7	4 01 PM '61
0 0 1 6 8	MAR 7	8 01 AM '61
0 0 0 2 1	MAR 7	12 01 AM '61
0 0 1 5 2	MAR 6	4 01 PM '61

0 0 1 6 6	MAR 7 8 01 AM '61
0 0 0 2 1	MAR 7 12 01 AM '61
0 0 1 5 2	MAR 6 4 01 PM '61
0 0 3 1 1	MAR 6 8 01 AM '61
0 0 2 0 3	MAR 5 12 01 AM '61
0 0 7 1 8	MAR 5 4 01 PM '61
0 0 1 0 1	MAR 5 8 01 AM '61
0 0 0 9 9	MAR 5 12 01 AM '61
0 0 1 4 5	MAR 4 4 01 PM '61
0 0 0 7 9	MAR 4 8 01 AM '61
0 0 0 9 7	MAR 4 12 01 AM '61
0 0 0 9 5	MAR 3 4 01 PM '61
0 0 0 2 8	MAR 3 8 01 AM '61
0 0 0 2 4	MAR 3 12 01 AM '61
0 0 0 3 8	MAR 2 4 01 PM '61
0 0 0 2 2	MAR 2 8 01 AM '61
0 0 0 1 2	MAR 2 12 01 AM '61
0 0 0 3 4	MAR 1 4 01 PM '61
0 0 0 4 1	MAR 1 8 01 AM '61

TOT. ACT. = 56 NO. SAMPLES = 90
AV. ACT. = 0.62 NO. > PAL = 13
% > PAL = 14

K-1420
MAR '61

3-1-61
H-Area - K-1420
Note 12

0 0 0 0 6	MAR 31 11 57 PM '61
0 0 0 0 5	MAR 31 3 57 PM '61
0 0 0 1 1	MAR 31 7 57 AM '61
0 0 0 1 2	MAR 30 11 56 PM '61
0 0 0 0 6	MAR 30 3 56 PM '61
0 0 0 1 4	MAR 30 7 57 AM '61
0 0 1 1 3	MAR 29 11 56 PM '61
0 0 0 1 0	MAR 29 3 56 PM '61
0 0 0 1 5	MAR 29 7 57 AM '61
0 0 0 0 8	MAR 28 11 56 PM '61
0 0 0 0 6	MAR 28 3 56 PM '61
0 0 0 1 8	MAR 28 7 57 AM '61
0 0 0 0 9	MAR 27 11 56 PM '61
0 0 0 1 6	MAR 27 3 56 PM '61
0 1 0 6 8	MAR 27 7 57 AM '61
0 0 0 4 1	MAR 20 7 26 AM '61
0 0 0 0 7	MAR 16 12 00 AM '61
0 0 0 0 9	MAR 15 4 00 PM '61
0 0 0 1 5	MAR 15 8 00 AM '61
0 0 0 1 1	MAR 15 12 00 AM '61
0 0 0 1 3	MAR 14 4 00 PM '61
0 0 0 0 7	MAR 14 8 00 AM '61
0 0 0 0 7	MAR 14 12 00 AM '61
0 0 0 3 4	MAR 13 4 00 PM '61
0 0 0 1 2	MAR 13 8 00 AM '61
0 0 0 0 9	MAR 12 11 59 PM '61
0 0 0 0 7	MAR 12 4 00 PM '61
0 0 0 1 4	MAR 12 8 00 AM '61
0 0 0 0 9	MAR 12 12 00 AM '61
0 0 0 0 8	MAR 11 4 00 PM '61
0 0 0 2 2	MAR 11 8 00 AM '61
0 0 0 0 8	MAR 11 12 00 AM '61
0 0 0 0 6	MAR 10 4 00 PM '61
0 0 0 1 1	MAR 10 8 00 AM '61

Moffat
E. Ayers K-1420
4-3-61

-593-

0 0 0 0 6	Mar 10 4 00 PM '61
0 0 0 1 1	Mar 10 8 00 AM '61
0 0 0 0 2	Mar 10 12 00 AM '61
0 0 0 0 5	Mar 9 4 00 PM '61
0 0 0 0 5	Mar 9 8 00 AM '61
0 0 0 0 2	Mar 9 12 00 AM '61
0 0 0 0 2	Mar 8 4 00 PM '61
0 0 0 0 2	Mar 8 8 00 AM '61
0 0 0 0 4	Mar 8 12 00 AM '61
0 0 0 0 3	Mar 7 4 00 PM '61
0 0 0 0 2	Mar 7 8 00 AM '61
0 0 0 0 3	Mar 7 12 00 AM '61
0 0 0 0 3	Mar 6 4 00 PM '61
0 0 0 0 6	Mar 6 8 00 AM '61
0 0 0 0 3	Mar 6 12 00 AM '61
0 0 0 0 2	Mar 5 4 00 PM '61
0 0 0 0 4	Mar 5 8 00 AM '61
0 0 0 0 5	Mar 5 12 00 AM '61
0 0 0 0 4	Mar 4 4 00 PM '61
0 0 0 0 6	Mar 4 8 00 AM '61
0 0 0 1 2	Mar 4 12 00 AM '61
0 0 0 0 4	Mar 3 4 00 PM '61
0 0 0 0 5	Mar 3 8 00 AM '61
0 0 0 0 2	Mar 3 12 00 AM '61
0 0 0 0 4	Mar 2 4 00 PM '61
0 0 0 0 6	Mar 2 8 00 AM '61
0 0 0 0 5	Mar 2 12 00 AM '61
0 0 0 0 3	Mar 1 4 00 PM '61
0 0 0 0 3	Mar 1 8 00 AM '61

3-1-61
Area
1420
Lot #18

-594-

0	0	0	0	4	MAR 3 4 00 PM '61
0	0	0	0	5	MAR 3 8 00 AM '61
0	0	0	0	2	MAR 3 12 00 AM '61
0	0	0	0	4	MAR 2 4 00 PM '61
0	0	0	0	6	MAR 2 8 00 AM '61
0	0	0	0	5	MAR 2 12 00 AM '61
0	0	0	0	3	MAR 1 4 00 PM '61
0	0	0	0	3	MAR 1 8 00 AM '61

3-1-61
E-Area
K-1420
Note 18

TOT. ACT. = 17
AV. ACT. = 0.28

No. samples = 61
No. > PAL = 2
% > PAL = 3.3%

K-1420
MAR '61

0 0 0 5 3	MAR 13 12 00 AM '61
0 0 0 3 0	MAR 12 4 00 PM '61
0 0 0 1 2	MAR 12 8 00 AM '61
0 0 0 1 0	MAR 12 12 00 AM '61
0 0 0 2 3	MAR 11 4 00 PM '61
0 0 0 2 3	MAR 11 7 59 AM '61
0 0 0 2 0	MAR 10 11 59 PM '61
0 0 0 3 3	MAR 10 3 59 PM '61
0 0 0 1 2	MAR 10 7 59 AM '61
0 0 0 2 4	MAR 9 11 59 PM '61
0 0 0 1 2	MAR 9 3 59 PM '61
0 0 0 1 0	MAR 9 7 59 AM '61
0 0 0 1 1	MAR 8 11 59 PM '61
0 0 0 4 0	MAR 8 3 59 PM '61
0 0 0 0 0	MAR 8 8 00 AM '61
0 0 0 6 0	MAR 8 12 00 AM '61
0 0 0 0 0	MAR 7 4 00 PM '61
0 0 0 1 0	MAR 7 8 00 AM '61
0 0 0 4 1	MAR 7 12 00 AM '61
0 0 2 0 0	MAR 6 4 00 PM '61
0 0 0 1 0	MAR 6 8 00 AM '61
0 0 0 1 1	MAR 6 12 00 AM '61
0 0 0 2 3	MAR 5 4 00 PM '61
0 0 0 1 1	MAR 5 8 00 AM '61
0 0 0 2 3	MAR 5 12 00 AM '61
0 0 0 3 1	MAR 4 4 00 PM '61
0 0 0 1 1	MAR 4 8 00 AM '61
0 0 0 1 0	MAR 4 12 00 AM '61
0 0 0 3 3	MAR 3 4 00 PM '61
0 0 0 1 1	MAR 3 8 00 AM '61
0 0 0 1 0	MAR 3 12 00 AM '61
0 0 0 3 2	MAR 2 3 59 PM '61
0 0 0 1 2	MAR 2 8 00 AM '61
0 0 0 1 4	MAR 1 11 59 PM '61
0 0 0 4 2	MAR 1 3 59 PM '61
	MAR 1 8 00 AM '61

TOT. ACT. = 10 NO. SAMPLES = 35

AV. ACT. = 0.29 NO. OVER PAL = 1

% > PAL = 2.9

596

0	0	0	1	8
0	0	0	3	3
0	0	0	1	1
0	0	0	1	8
0	0	0	3	2
0	0	0	1	2
0	0	0	1	4
0	0	0	4	2

MAR	3	4 00 PM '61
MAR	3	8 00 AM '61
MAR	3	12 00 AM '61
MAR	2	3 59 PM '61
MAR	2	8 00 AM '61
MAR	1	11 59 PM '61
MAR	1	3 59 PM '61
MAR	1	8 00 AM '61

TOT. ACT. = 10
AV. ACT. = 0.29

NO. SAMPLES = 35
NO. OVER PAL = 1
% > PAL = 2.9

K-1420
MAR '61

3-1-61
B. Ayer
-1420

0	0	0	0	1	Mar 31 11 59 PM '61
0	0	0	0	0	Mar 31 3 59 PM '61
0	0	0	0	0	Mar 31 7 59 AM '61
0	0	0	0	0	Mar 30 11 59 PM '61
0	0	0	1	3	Mar 30 3 59 PM '61
0	0	0	2	0	Mar 29 7 59 AM '61
0	0	0	2	2	Mar 29 11 59 PM '61
0	0	0	1	2	Mar 29 3 59 PM '61
0	0	0	1	1	Mar 29 7 59 AM '61
0	0	0	2	3	Mar 28 11 59 PM '61
0	0	0	1	1	Mar 28 3 59 PM '61
0	0	0	1	0	Mar 28 7 59 AM '61
0	0	0	2	3	Mar 27 11 59 PM '61
0	0	0	1	0	Mar 27 3 59 PM '61
0	0	0	2	1	Mar 27 7 59 AM '61
0	0	0	3	0	Mar 26 11 59 PM '61
0	0	0	2	1	Mar 26 3 59 PM '61
0	0	0	1	3	Mar 26 7 59 AM '61
0	0	0	3	0	Mar 25 11 59 PM '61
0	0	0	1	0	Mar 25 3 59 PM '61
0	0	0	0	0	Mar 25 7 59 AM '61
0	0	0	1	3	Mar 24 11 59 PM '61
0	0	0	0	0	Mar 24 3 59 PM '61
0	0	0	0	3	Mar 24 7 59 AM '61
0	0	0	1	2	Mar 23 11 59 PM '61
0	0	0	3	1	Mar 23 3 59 PM '61
0	0	0	4	0	Mar 23 7 59 AM '61
0	0	0	1	2	Mar 22 11 59 PM '61
0	0	0	0	4	Mar 22 3 59 PM '61
0	0	0	2	0	Mar 22 7 59 AM '61
0	0	0	0	0	Mar 21 11 59 PM '61
0	0	0	0	0	Mar 21 3 59 PM '61
0	0	0	2	3	Mar 21 7 59 AM '61
0	0	0	1	0	Mar 20 11 59 PM '61
0	0	0	2	1	Mar 20 3 59 PM '61
0	0	0	1	0	Mar 20 7 59 AM '61
0	0	0	1	0	Mar 19 11 59 PM '61
0	0	0	0	3	Mar 19 3 59 PM '61
0	0	0	0	1	Mar 19 7 59 AM '61
0	0	0	2	1	Mar 18 11 59 PM '61

Mon 4
K-1450 B-Arch
4-3-61
Nolight Vol 425

0 0 0 0 3	MAR 19 11 59 PM '61
0 0 0 0 1	MAR 19 3 59 PM '61
0 0 0 2 1	MAR 19 7 59 AM '61
0 0 0 2 3	MAR 18 11 59 PM '61
0 0 0 0 1	MAR 18 3 59 PM '61
0 0 0 3 1	MAR 18 7 59 AM '61
0 0 0 2 0	MAR 17 11 59 PM '61
0 0 0 3 2	MAR 17 3 59 PM '61
0 0 1 2 0	MAR 17 7 59 AM '61
0 0 2 4 1	MAR 16 11 59 PM '61
0 0 0 1 2	MAR 16 3 59 PM '61
0 0 0 0 0	MAR 16 7 59 AM '61
0 0 0 1 3	MAR 15 11 59 PM '61
0 0 0 1 3	MAR 16 3 59 PM '61
0 0 0 2 1	MAR 15 7 59 AM '61
0 0 0 2 4	MAR 14 11 59 PM '61
0 0 0 1 4	MAR 14 3 59 PM '61
0 0 0 1 1	MAR 14 7 59 AM '61
0 0 0 0 1	MAR 13 11 59 PM '61
0 0 0 1 3	MAR 13 3 59 PM '61
0 0 0 1 3	MAR 13 7 59 AM '61

TOT. ACT. = 13 NO. SAMPLES = 58
AV. ACT. = 0.22 NO. > PAL = 2
% > PAL = 3.4

K-1420
MAR '61

Air Monitor #12
5-1-61
14/26 Emergency Gas Exam

5-2-61

00020	APR 30 11 59 PM '61
00060	APR 30 3 59 PM '61
00067	APR 30 7 59 AM '61
00847 —	APR 29 11 59 PM '61
00169 —	APR 29 3 59 PM '61
00033	APR 29 7 59 AM '61
00025	APR 28 11 59 PM '61
00069	APR 28 3 59 PM '61
00032	APR 28 7 59 AM '61
00024	APR 27 11 57 PM '61
00096	APR 27 3 57 PM '61
00014	APR 27 7 57 AM '61
00443 —	APR 26 11 57 PM '61
00183 —	APR 26 3 57 PM '61
00053	APR 26 7 57 AM '61
00031	APR 25 11 57 PM '61
00023	APR 25 3 57 PM '61
00116 —	APR 25 7 57 AM '61
00044	APR 24 11 57 PM '61
00040	APR 24 3 57 PM '61
00022	APR 24 7 57 AM '61
00023	APR 23 11 57 PM '61
00032	APR 23 3 57 PM '61
00038	APR 23 7 57 AM '61
00141 —	APR 22 11 57 PM '61
00010	APR 22 3 57 PM '61
00165 —	APR 22 7 57 AM '61
00038	APR 21 11 57 PM '61
00042	APR 21 3 57 PM '61
00003	APR 21 7 57 AM '61

600

0 0 0 3 8	APR 23 7 57 AM '61
0 0 1 4 1 —	APR 22 11 57 PM '61
0 0 0 1 0	APR 22 3 57 PM '61
0 0 1 6 5 —	APR 22 7 57 AM '61
0 0 0 3 8	APR 21 11 57 PM '61
0 0 0 4 2	APR 21 3 57 PM '61
0 0 0 0 3	APR 21 7 57 AM '61
0 0 0 0 2	APR 20 11 57 PM '61
0 0 0 0 2	APR 20 3 57 PM '61
0 0 0 0 2	APR 20 7 57 AM '61
0 0 0 0 2	APR 19 11 57 PM '61
0 0 0 0 3	APR 19 3 57 PM '61
0 0 0 0 4	APR 19 7 57 AM '61
0 0 0 0 4	APR 18 11 57 PM '61
0 0 0 6 9	APR 18 3 57 PM '61
0 0 0 1 3	APR 18 7 57 AM '61
0 0 0 1 8	APR 17 11 57 PM '61
0 0 0 5 0	APR 17 3 57 PM '61
0 0 0 1 7	APR 17 7 57 AM '61
0 0 0 1 0	APR 16 11 57 PM '61
0 0 0 1 1	APR 16 3 57 PM '61
0 0 0 0 9	APR 16 7 57 AM '61
0 0 0 1 1	APR 15 11 57 PM '61
0 0 0 4 0	APR 15 3 57 PM '61
0 0 0 2 3	APR 15 7 57 AM '61
0 0 0 3 3	APR 14 11 57 PM '61
0 0 0 2 2	APR 14 3 57 PM '61
0 0 0 1 4	APR 13 7 57 AM '61
0 0 0 1 4	APR 13 11 57 PM '61
0 0 0 1 4	APR 13 3 57 PM '61
0 0 0 1 5	APR 13 7 57 AM '61
0 0 0 1 4	APR 12 11 57 PM '61
0 0 0 2 9	APR 12 3 57 PM '61
0 0 6 0 7 —	APR 12 7 57 AM '61
0 0 0 2 3	APR 11 11 57 PM '61
0 0 2 2 4 — 1601	APR 11 3 57 PM '61

0 0 0 1 4	APR 13 3 57 PM '61
0 0 0 1 4	APR 13 7 57 AM '61
0 0 0 1 5	APR 12 11 57 PM '61
0 0 0 1 4	APR 12 3 57 PM '61
0 0 0 2 9	APR 12 7 57 AM '61
0 0 6 0 7	APR 11 11 57 PM '61
0 0 0 2 3	APR 11 3 57 PM '61
0 0 2 2 4	APR 11 7 57 AM '61
0 0 0 2 7	APR 10 11 57 PM '61
0 0 0 3 0	APR 10 3 57 PM '61
0 0 2 2 0	
0 0 1 1 9	APR 10 7 57 AM '61
0 0 0 3 7	APR 9 11 57 PM '61
0 0 0 8 5	APR 9 3 57 PM '61
0 0 1 3 8	APR 9 7 57 AM '61
0 0 0 6 7	APR 8 11 57 PM '61
0 0 0 8 3	APR 8 3 57 PM '61
0 0 0 7 8	APR 8 7 57 AM '61
0 0 0 8 0	APR 7 11 57 PM '61
0 0 0 6 3	APR 7 3 57 PM '61
0 0 0 2 9	APR 7 7 57 AM '61
0 0 0 1 1	APR 6 11 57 PM '61
0 0 0 2 8	APR 6 3 57 PM '61
0 0 0 0 8	APR 6 7 57 AM '61
0 0 0 4 0	APR 5 11 57 PM '61
0 0 0 4 8	APR 5 3 57 PM '61
0 0 0 2 8	APR 5 7 57 AM '61
0 0 0 9 9	APR 4 11 57 PM '61
0 0 0 4 0	APR 4 3 57 PM '61
0 0 0 3 6	APR 4 7 57 AM '61
0 0 0 5 8	APR 3 11 57 PM '61
0 0 0 4 5	APR 3 3 57 PM '61
0 0 0 6 4	APR 3 7 57 AM '61

00039	APR 4 11 57 PM '61
00040	APR 4 3 57 PM '61
00036	APR 4 7 57 AM '61
00058	APR 3 11 57 PM '61
00045	APR 3 3 57 PM '61
00064	APR 3 7 57 AM '61

NOTH
T-1420
H-APR 2-
4-3-61

Tot. Act. = 58 No. Samples = 90
Av. Act. = 0.64 No. > PAL = 12
% > PAL = 13

K-1420
APR '61

00028	MAR 33 11 57 PM '61
00020	MAR 33 3 57 PM '61
00011	MAR 33 7 57 AM '61
00006	MAR 32 11 57 PM '61
00007	MAR 32 3 57 PM
00006	MAR 32

#5 Monitor - 1470
Large Equip - Core-D-19
5-1-61

0 0 0 5 6	Apr 30 11 59 PM '61
0 0 1 5 0	Apr 30 3 59 PM '61
0 0 1 3 4	Apr 30 7 59 AM '61
0 0 0 2 9	Apr 29 11 59 PM '61
0 0 0 2 3	Apr 29 3 59 PM '61
0 0 0 4 0	Apr 29 7 59 AM '61
0 0 0 1 6	Apr 28 11 59 PM '61
0 0 0 9 3	Apr 28 3 59 PM '61
0 0 0 7 1	Apr 28 7 59 AM '61
0 0 0 2 1	Apr 27 11 57 PM '61
0 0 0 3 2	Apr 27 3 57 PM '61
0 0 0 2 7	Apr 27 7 57 AM '61
0 0 0 1 8	Apr 26 11 57 PM '61
0 0 0 2 7	Apr 26 3 57 PM '61
0 0 0 1 2	Apr 26 7 57 AM '61
0 0 0 1 1	Apr 25 11 57 PM '61
0 0 0 1 3	Apr 25 3 57 PM '61
0 0 0 2 3	Apr 25 7 57 AM '61
0 0 0 1 6	Apr 24 11 57 PM '61
0 0 0 2 8	Apr 24 3 57 PM '61
0 0 0 1 6	Apr 24 7 57 AM '61
0 0 0 2 9	Apr 23 11 57 PM '61
0 0 0 1 8	Apr 23 3 57 PM '61
0 0 0 9 2	Apr 23 7 57 AM '61
0 0 0 2 9	Apr 22 11 57 PM '61
0 0 0 1 4	Apr 22 3 57 PM '61
0 0 0 3 4	Apr 22 7 57 AM '61
0 0 0 2 8	Apr 21 11 57 PM '61
0 0 0 4 6	Apr 21 3 57 PM '61
0 0 0 2 0	Apr 21 7 57 AM '61
0 0 0 1 9	Apr 20 11 57 PM '61
0 0 0 5 5	Apr 20 3 57 PM '61

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00028	Apr 21 11 57 PM '61
00046	Apr 21 3 57 PM '61
00020	Apr 21 7 57 AM '61
00019	Apr 20 11 57 PM '61
00055	Apr 20 3 57 PM '61
00104	Apr 20 7 57 AM '61
00021	Apr 19 11 57 PM '61
00036	Apr 19 3 57 PM '61
00064	Apr 19 7 57 AM '61
00040	Apr 18 11 57 PM '61
00035	Apr 18 3 57 PM '61

Moved to Cell D-19
2:00 PM
4-18-61
WEM

Compression
L.C. Armstrong

00017	Apr 18 7 57 AM '61
00013	Apr 17 11 57 PM '61
00027	Apr 17 3 57 PM '61
00039	Apr 17 7 57 AM '61
00110	Apr 16 11 57 PM '61
00014	Apr 16 3 57 PM '61
00012	Apr 16 7 57 AM '61
00074	Apr 15 11 57 PM '61
00010	Apr 15 3 57 PM '61
00013	Apr 15 7 57 AM '61
00008	Apr 14 11 57 PM '61
	Apr 14 3 57 PM '61

-909-

0 0 0 3 9	[illegible] 7 57 AM '61
0 0 1 1 0	[illegible] 15 11 57 PM '61
0 0 0 1 4	[illegible] 15 3 57 PM '61
0 0 0 1 2	Apr 16 7 57 AM '61
0 0 0 7 4	[illegible] 15 11 57 PM '61
0 0 0 1 0	[illegible] 15 3 57 PM '61
0 0 0 1 3	[illegible] 15 7 57 AM '61
0 0 0 0 8	[illegible] 14 11 57 PM '61
0 0 0 2 0	Apr 14 3 57 PM '61
0 0 0 2 5	Apr 14 7 57 AM '61
0 0 0 2 2	[illegible] 13 11 57 PM '61
0 0 0 1 3	Apr 13 3 57 PM '61
0 0 0 1 1	[illegible] 13 7 57 AM '61
0 0 0 0 7	[illegible] 12 11 57 PM '61
0 0 0 1 4	[illegible] 12 3 57 PM '61
0 0 0 1 7	Apr 12 7 57 AM '61
0 0 0 6 1	Apr 11 11 57 PM '61
0 0 0 3 5	Apr 11 3 57 PM '61
0 0 0 1 3	Apr 11 7 57 AM '61
0 0 0 0 9	[illegible] 10 11 57 PM '61
0 0 0 2 0	Apr 10 3 57 PM '61
0 0 0 1 1	Apr 10 7 57 AM '61
0 0 0 1 3	[illegible] 9 11 57 PM '61
0 0 0 1 4	Apr 9 3 57 PM '61
0 0 0 3 0	Apr 9 7 57 AM '61
0 0 0 5 3	Apr 8 11 57 PM '61
0 0 0 1 8	[illegible] 8 3 57 PM '61
0 0 0 4 7	Apr 8 7 57 AM '61
0 0 0 6 2	[illegible] 7 11 57 PM '61
0 0 0 2 4	[illegible] 7 3 57 PM '61
0 0 0 0 3	[illegible] 7 7 57 AM '61

Pump down
from 4-6-61
time 1500 hrs
to 0945 - 4-7-61

0 0 0 0 2	Apr 7 12 15 AM '61
0 0 0 0 4	Apr 6 4 15 PM '61
0 0 0 0 3 -607-	[illegible] 6 8 15 AM '61
0 0 0 0 2	Apr 6 12 15 AM '61

0 0 0 1 8	Apr 9 3 57 PM '61
0 0 0 4 7	Apr 9 7 57 AM '61
0 0 0 6 2	Apr 7 11 57 PM '61
0 0 0 2 4	Apr 7 3 57 PM '61
0 0 0 0 3	Apr 7 7 57 AM '61

Pump down
from 4-6-61
time 1500 hrs
to 0945 - 4-7-61

0 0 0 0 2	Apr 7 12 15 AM '61
0 0 0 0 4	Apr 6 4 15 PM '61
0 0 0 0 3	Apr 6 8 15 AM '61
0 0 0 0 2	Apr 6 12 15 AM '61
0 0 0 0 2	Apr 5 4 15 PM '61
0 0 0 0 1	Apr 5 8 15 AM '61
0 0 0 0 0	Apr 4 12 15 PM '61
0 0 0 0 1	Apr 4 4 15 PM '61

TOT. Act. = 24 No. samples = 80
Av. Act. = 0.30 No. > PAL = 4
% > PAL = 5

K-1420
APR '61

4/4/61
1530
Started up

5-1-61
#18 monitor
1/25 E Geo

WEM 5-2-61

0 0 0 1 0	Apr 31 12 02 AM '61
0 0 0 1 1	Apr 30 4 02 PM '61
0 0 0 1 5	Apr 30 8 02 AM '61
0 0 0 0 7	Apr 30 12 02 AM '61
0 0 0 1 0	Apr 29 4 02 PM '61
0 0 0 1 9	Apr 29 8 02 AM '61
0 0 0 1 5	Apr 29 12 02 AM '61
0 0 0 2 5	Apr 28 4 02 PM '61
0 0 0 4 0	Apr 28 8 02 AM '61
0 0 0 1 6	Apr 27 11 52 PM '61
0 0 1 2 4	Apr 27 3 52 PM '61
0 0 0 1 0	Apr 27 7 52 AM '61
0 0 0 1 2	Apr 26 11 52 PM '61
0 0 0 4 1	Apr 26 3 52 PM '61
0 0 0 0 8	Apr 26 7 52 AM '61
0 0 0 0 4	Apr 25 11 52 PM '61
0 0 0 4 0	Apr 25 3 52 PM '61
0 0 0 0 8	Apr 25 7 52 AM '61
0 0 0 1 0	Apr 24 11 52 PM '61
0 0 0 1 6	Apr 24 3 52 PM '61
0 0 0 0 7	Apr 24 7 52 AM '61
0 0 0 0 7	Apr 23 11 52 PM '61
0 0 0 0 6	Apr 23 3 52 PM '61
0 0 0 1 2	Apr 23 7 52 AM '61
0 0 0 7 9	Apr 22 11 52 PM '61
0 0 0 0 7	Apr 22 3 52 PM '61
0 0 0 3 9	Apr 22 7 52 AM '61
0 0 0 2 4	Apr 21 11 52 PM '61
0 0 0 5 1	Apr 21 3 52 PM '61
0 0 0 0 2	Apr 21 7 52 AM '61
0 0 0 0 3	Apr 20 11 52 PM '61

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00079	APR 22 11 52 PM '61
00007	APR 22 3 52 PM '61
00039	APR 22 7 52 AM '61
00024	APR 21 11 52 PM '61
00051	APR 21 3 52 PM '61
00002	APR 21 7 52 AM '61
00003	APR 20 11 52 PM '61
00002	APR 20 3 52 PM '61
00002	APR 20 7 52 AM '61
00003	APR 19 11 52 PM '61
00004	APR 19 3 52 PM '61
00227	APR 19 7 52 AM '61
00024	APR 18 11 52 PM '61
00040	APR 18 3 52 PM '61
00007	APR 18 7 52 AM '61
00008	APR 17 11 52 PM '61
00075	APR 17 3 52 PM '61
00008	APR 17 7 52 AM '61
00007	APR 16 11 52 PM '61
00008	APR 16 3 52 PM '61
00008	APR 16 7 52 AM '61
00006	APR 15 11 52 PM '61
00013	APR 15 3 52 PM '61
00012	APR 15 7 52 AM '61
00006	APR 14 11 52 PM '61
00135	APR 14 3 52 PM '61
00019	APR 14 7 52 AM '61
00013	APR 13 11 52 PM '61
00019	APR 13 3 52 PM '61
00009	APR 13 7 52 AM '61
00007	APR 12 11 52 PM '61
00156	APR 12 3 52 PM '61
00011	APR 12 7 52 AM '61
00008	APR 11 11 52 PM '61
00174	APR 11 3 52 PM '61
00023	APR 11 7 52 AM '61
00019	APR 10 11 52 PM '61
00075	APR 10 3 52 PM '61

610

00156	APR 12 3 52 PM '61
00011	APR 12 7 52 AM '61
00008	APR 11 11 52 PM '61
00174	APR 11 3 52 PM '61
00023	APR 11 7 52 AM '61
00019	APR 10 11 52 PM '61
00075	APR 10 3 52 PM '61
00012	APR 10 7 52 AM '61
00005	APR 9 11 57 PM '61
00009	APR 9 3 57 PM '61
00053	APR 9 7 56 AM '61
00008	APR 8 11 56 PM '61
00008	APR 8 3 56 PM '61
00037	APR 8 7 57 AM '61
00010	APR 7 11 57 PM '61
00011	APR 7 3 56 PM '61
00028	APR 7 7 57 AM '61
00034	APR 6 11 57 PM '61
00106	APR 6 3 57 PM '61
00008	APR 6 7 56 AM '61
00018	APR 5 11 56 PM '61
00066	APR 5 3 57 PM '61
00025	APR 5 7 57 AM '61
00275	APR 4 11 56 PM '61
00136	APR 4 3 57 PM '61
00009	APR 4 7 56 AM '61
00064	APR 3 11 57 PM '61
00016	APR 3 3 57 PM '61
00209	APR 3 7 56 AM '61

Model 18
K-1420
E. Area
4-3-61

Tot. Act. = 30 No. Samples = 90
Av. Act. = 0.33 No. > MAL = 9
% > PAL = 10

K-1420
APR '61

0 0 0 1 1	MAR 33 11 56 PM '61
0 0 0 0 6	MAR 33 3 56 PM '61
0 0 0 0 8	MAR 33 7 56 AM '61
0 0 0 0 8	MAR 32 11 56 PM '61
0 0 0 0 7	MAR 32 3 56 PM '61
0 0 0 0 8	MAR 32 7 57 AM '61

#4 Monitor
5-1-61
H2O Recovery Area - "B" Area

0 0 1 0 1		APR 30 11 58 PM '61
0 0 5 5 1		APR 30 3 58 PM '61
0 0 4 1 2		APR 30 7 58 AM '61
0 1 2 9 2		APR 29 11 58 PM '61
0 0 3 7 1		APR 29 3 58 PM '61
0 0 2 6 1		APR 29 7 58 AM '61
0 0 0 6 4		APR 28 11 58 PM '61
0 0 5 1 6		APR 28 3 58 PM '61
0 0 1 0 1		APR 28 7 58 AM '61
0 0 0 6 7		APR 27 11 58 PM '61
0 0 1 6 2		APR 27 3 58 PM '61
0 0 0 5 4		APR 27 7 58 AM '61
0 0 0 8 9		APR 26 11 58 PM '61
0 0 3 2 9		APR 26 3 58 PM '61
0 0 3 5 2		APR 26 7 58 AM '61
0 0 1 6 4		APR 25 11 58 PM '61
0 0 0 2 6		APR 25 3 58 PM '61
0 0 0 2 3		APR 25 7 58 AM '61
0 0 0 2 2		APR 24 11 58 PM '61
0 0 0 4 1		APR 24 3 58 PM '61
0 0 0 2 4		APR 24 7 58 AM '61
0 0 0 2 4		APR 23 11 58 PM '61
0 0 0 4 9		APR 23 3 58 PM '61
0 0 0 3 2		APR 23 7 58 AM '61
0 0 0 9 0		APR 22 11 58 PM '61
0 0 0 1 1	1/14	APR 22 3 58 PM '61
0 0 0 4 2		APR 22 7 58 AM '61

0 0 0 2 4	Apr 24 7 58 AM '61
0 0 0 2 4	Apr 23 11 58 PM '61
0 0 0 4 8	Apr 23 3 58 PM '61
0 0 0 3 2	Apr 23 7 58 AM '61
0 0 0 9 0	Apr 22 11 58 PM '61
0 0 0 1 1	Apr 22 3 58 PM '61
0 0 0 4 4	Apr 22 7 58 AM '61
0 0 1 2 0	Apr 21 11 58 PM '61
0 5 5 6 6	Apr 21 3 58 PM '61
0 2 4 4 1	Apr 21 7 58 AM '61
0 0 0 2 7	Apr 20 11 28 PM '61
0 0 0 3 0	Apr 20 3 28 PM '61
0 0 0 5 7	Apr 20 7 28 AM '61
0 0 0 3 0	Apr 19 11 28 PM '61
0 0 0 6 1	Apr 19 3 28 PM '61
0 0 1 1 0	Apr 19 7 28 AM '61
0 0 0 5 0	Apr 18 11 28 PM '61
0 0 1 1 0	Apr 18 3 28 PM '61
0 0 0 5 1	Apr 18 7 28 AM '61
0 0 0 3 6	Apr 17 11 28 PM '61
0 0 1 1 8	Apr 17 3 28 PM '61
0 0 1 1 4	Apr 17 7 28 AM '61
0 0 0 3 1	Apr 16 10 28 PM '61
0 0 0 3 0	Apr 16 2 28 PM '61
0 0 0 2 8	Apr 16 6 28 AM '61
0 0 1 0 3	Apr 15 10 28 PM '61
0 0 2 1 1	Apr 15 2 28 PM '61
0 0 7 8 5	Apr 15 6 28 AM '61
0 0 0 6 4	Apr 14 10 28 PM '61
0 0 0 6 0	Apr 14 2 28 PM '61
0 0 0 8 0	Apr 14 6 28 AM '61
0 0 0 6 4	Apr 13 10 28 PM '61
0 0 1 1 0	Apr 13 2 28 PM '61
0 0 0 4 8	Apr 13 6 28 AM '61
0 0 0 5 0	Apr 12 10 28 PM '61
0 0 5 2 0	Apr 12 2 28 PM '61
0 0 0 4 0	Apr 12 6 28 AM '61
0 0 0 6 5	Apr 11 10 28 PM '61
0 0 1 [illegible] 7	Apr 11 2 28 PM '61

1615

0 0 0 0 4		
0 0 1 1 0	APR 13	2 28 PM '61
0 0 0 4 0	APR 13	6 28 AM '61
0 0 0 0 0	APR 12	10 28 PM '61
0 0 0 2 0	APR 12	2 28 PM '61
0 0 0 4 0	APR 12	6 28 AM '61
0 0 0 0 0	APR 11	10 28 PM '61
0 0 1 3 1	APR 11	2 28 PM '61
0 0 0 6 0	APR 11	6 28 AM '61
0 0 0 0 0	APR 10	10 28 PM '61
0 0 1 0 1	APR 10	2 28 PM '61
0 0 0 4 0	APR 10	6 28 AM '61
0 0 0 2 0	APR 9	10 28 PM '61
0 0 0 2 0	APR 9	2 28 PM '61
0 0 0 0 0	APR 9	6 28 AM '61
0 0 0 3 1	APR 8	10 28 PM '61
0 0 0 2 1	APR 8	2 28 PM '61
0 0 0 6 0	APR 8	6 28 AM '61
0 0 0 4 0	APR 7	10 28 PM '61
0 0 1 9 2	APR 7	2 28 PM '61

Combined
Stalid ave
7105
4-7-61

~~0 0 0 0 2 APR 3 7 59 AM '61~~

1/0 4 4
0
1 8 -
3 8 - 1

-616-

NOTE 4

K-1420

R-Area -

4-2-61

Tot. Act. = 194 No. samples = 96
Av. Act. = 2.3 No. > PAL = 27
% > PAL = 36

K-1420 Rec
APR '61

ALL K-1420
APRIL 1961

Tot. Act. = 286 No. samples = 336
Av. Act. = 0.85 No. > PAL = 52
% > PAL = 15

0	0	0	0	1	MAR 33 11 59 PM '61
0	0	0	0	1	MAR 33 3 59 PM '61
0	0	0	0	1	MAR 33 7 59 AM '61
0	0	0	0	2	MAR 32 11 59 PM '61
0	0	0	0	1	MAR 32 3 59 PM '61
					MAR 32 7 59 AM '61

No 4

K1420 E Ries.

0 0 0 3 8	May 30 11 58 PM '61
0 0 0 3 0	May 30 3 58 PM '61
0 0 0 5 4	May 30 7 58 AM '61
0 0 1 1 0	May 29 11 58 PM '61
0 0 5 0 9	May 29 3 58 PM '61
0 0 1 1 1	May 29 7 58 AM '61
0 0 0 4 0	May 28 11 58 PM '61
0 0 0 5 1	May 28 3 58 PM '61
0 0 0 6 4	May 28 7 58 AM '61
0 0 0 4 4	May 27 11 58 PM '61
0 0 0 3 8	May 27 3 58 PM '61
0 0 0 4 4	May 27 7 58 AM '61
0 0 0 4 0	May 26 11 58 PM '61
0 0 2 4 0	May 26 3 58 PM '61
0 0 0 0 0	May 26 7 58 AM '61
0 0 0 1 2	May 25 11 58 PM '61
0 0 0 0 0	May 25 3 58 PM '61
0 0 1 0 9	May 25 7 58 AM '61
0 0 0 0 0	May 24 11 58 PM '61
0 0 0 0 1	May 24 3 58 PM '61
0 0 0 0 3	May 24 7 58 AM '61
0 0 0 0 0	May 23 11 58 PM '61
0 0 0 0 2	May 23 3 58 PM '61
0 0 0 0 1	May 23 7 58 AM '61
0 0 0 0 0	May 22 11 58 PM '61
0 0 0 1 0	May 22 3 58 PM '61
0 0 0 5 4	May 22 7 58 AM '61
0 0 2 3 1	May 21 11 58 PM '61
0 0 0 2 0	May 21 3 58 PM '61
0 0 0 5 4	May 21 7 58 AM '61
[illegible]	May 20 11 58 PM '61

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0 0 0 0 1	May 23 7 58 AM '61
0 0 0 0 0	May 22 11 58 PM '61
0 0 0 1 0	May 22 3 58 PM '61
0 0 0 0 4	May 22 7 58 AM '61
0 0 2 3 1	May 21 11 58 PM '61
0 0 0 2 0	May 21 3 58 PM '61
0 0 0 0 4	May 21 7 58 AM '61
0 0 0 0 8	May 20 11 58 PM '61
0 0 1 0 8	May 20 3 58 PM '61
0 0 0 4 7	May 20 7 58 AM '61
0 0 0 8 8	May 19 11 58 PM '61
0 0 0 0 1	May 19 3 58 PM '61
0 0 1 0 7	May 19 7 58 AM '61
0 0 0 7 4	May 18 11 58 PM '61
0 0 0 1 8	May 18 3 58 PM '61

Tot. Act. = 45 No. Samples = 67
Av. Act. = 0.97 No. > PAC = 21
% > PAC = 31

K-1420
MAY '61

0 0 0 9 0	May 18 7 58 AM '61
0 0 0 4 8	May 17 11 58 PM '61
0 0 0 4 8	May 17 3 58 PM '61
0 0 0 7 8	May 17 7 58 AM '61
0 0 1 2 0	May 16 11 58 PM '61
0 0 2 8 0	May 16 3 58 PM '61
0 0 0 4 4	May 16 7 58 AM '61
0 0 0 3 0	May 15 11 58 PM '61
0 0 2 8 4	May 15 3 58 PM '61
0 0 1 4 8	May 15 7 58 AM '61
0 0 1 4 0	May 14 11 58 PM '61
	May 14 3 58 PM '61

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0	0	0	4	9		May 17 7 58 AM '61
0	0	0	7	8		May 16 11 58 PM '61
0	0	1	2	0	—	May 16 3 58 PM '61
0	0	2	8	0	—	May 16 7 58 AM '61
0	0	0	4	4		May 15 11 58 PM '61
0	0	0	3	3		May 15 3 58 PM '61
0	0	2	8	4	—	May 15 7 58 AM '61
0	0	1	4	9	—	May 14 11 58 PM '61
0	0	1	4	3	—	May 14 3 58 PM '61
0	0	0	5	8		May 14 7 58 AM '61
0	0	1	0	8	—	May 13 11 58 PM '61
0	0	0	7	9		May 13 3 58 PM '61
0	0	0	7	9		May 13 7 58 AM '61
0	0	0	3	9		May 12 11 58 PM '61
0	0	0	7	0		May 12 3 58 PM '61
0	0	1	4	4	—	May 12 7 58 AM '61
0	0	1	6	0	—	May 11 11 58 PM '61
0	0	0	6	7		May 11 3 58 PM '61
0	0	0	2	4		May 11 7 58 AM '61
0	0	1	5	7	—	May 10 11 58 PM '61
0	0	0	5	0		May 10 3 58 PM '61
0	0	1	7	3	—	May 10 7 58 AM '61
0	0	0	7	0		May 9 11 58 PM '61
0	0	0	2	7		May 9 3 58 PM '61
0	0	1	1	9	—	May 9 7 58 AM '61
0	0	5	5	1	—	May 8 11 58 PM '61
0	0	0	5	7		May 8 3 58 PM '61
						May 8 7 58

No 5 Kipco Co/DIL

00068	May 31 11 58 PM '61
00069	May 31 3 58 PM '61
00123	May 31 7 58 AM '61
00042	May 30 11 57 PM '61
00023	May 30 3 57 PM '61
00068	May 30 7 57 AM '61
00132	May 29 11 57 PM '61
00035	May 29 3 57 PM '61
00104	May 29 7 57 AM '61
00031	May 28 11 57 PM '61
00057	May 28 3 57 PM '61
00067	May 28 7 57 AM '61
00048	May 27 11 57 PM '61
00038	May 27 3 57 PM '61
00043	May 27 7 57 AM '61
00054	May 26 11 57 PM '61
00074	May 26 3 57 PM '61
00023	May 26 7 57 AM '61
00020	May 25 11 57 PM '61
00315	May 25 3 57 PM '61
00089	May 25 7 57 AM '61
00043	May 24 11 57 PM '61
00183	May 24 3 56 PM '61
00057	May 24 7 57 AM '61
00137	May 23 11 57 PM '61
00145	May 23 3 57 PM '61
00037	May 23 7 57 PM '61
00028	May 22 11 57 PM '61
00064	May 22 3 57 PM '61
00071	May 22 7 57 AM '61
[illegible]	May 21 11 57 PM '61

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0 0 0 5 7	[illegible] 7 57 AM '61
0 0 1 3 7	May 23 11 57 PM '61
0 0 1 4 5	[illegible] 3 57 PM '61
0 0 0 3 7	[illegible] 7 57 PM '61
0 0 0 2 8	[illegible] 11 57 PM '61
0 0 0 6 4	[illegible] 3 57 PM '61
0 0 0 7 1	[illegible] 7 57 AM '61
0 0 0 2 9	[illegible] 11 57 PM '61
0 0 0 2 4	[illegible] 3 57 PM '61
0 0 0 4 7	May 21 7 57 AM '61
0 0 0 3 6	May 20 11 57 PM '61
0 0 0 1 5	[illegible] 3 57 PM '61
0 0 0 5 7	May 20 7 57 AM '61
0 0 0 6 4	[illegible] 11 57 PM '61
0 0 0 6 5	May 19 3 57 PM '61
0 0 0 6 4	[illegible] 7 57 AM '61
0 0 0 2 0	[illegible] 11 57 PM '61
0 0 0 0 4	[illegible] 3 57 PM '61
0 0 0 8 5	May 18 7 57 AM '61
0 0 0 4 1	May 17 11 57 PM '61
0 0 0 8 4	[illegible] 17 3 57 PM '61
0 0 1 5 1	May 17 7 57 AM '61
0 0 1 5 3	May 16 11 57 PM '61
0 0 3 8 5	[illegible] 3 57 PM '61
0 0 0 2 0	May 16 7 57 AM '61
0 0 0 2 9	May 15 11 57 PM '61
0 0 2 3 9	May 15 3 57 PM '61
0 0 0 4 2	[illegible] 15 7 57 AM '61
~~0 0 0 2 8~~	~~[illegible] 7 59 AM '61~~
0 0 0 3 1	May 13 11 59 PM '61
0 0 0 4 9	[illegible] 3 59 PM '61
0 0 0 1 6	[illegible] 13 7 59 AM '61
0 0 0 4 9	May 12 11 59 PM '61
0 0 0 5 0	[illegible] 3 59 PM '61
0 0 0 2 0	May 12 7 59 AM '61
0 0 1 2 3	[illegible] 11 59 PM '61
0 0 0 4 7	[illegible] 3 59 PM '61
0 0 0 1 8	May 11 7 59 AM '61
[illegible]	[illegible] 11 59 PM '61

-623-

0 0 0 1 6	[illegible] 7 59 AM '61
0 0 0 4 9	May 12 11 59 PM '61
0 0 0 5 0	[illegible] 3 59 PM '61
0 0 0 2 0	[illegible] 7 59 AM '61
0 0 1 2 3	[illegible] 11 59 PM '61
0 0 0 4 7	[illegible] 3 59 PM '61
0 0 0 1 8	May 11 7 59 AM '61
0 0 0 3 3	[illegible] 11 59 PM '61
0 0 0 3 3	[illegible] 3 59 PM '61

Moved to Col D. 11 to Long 5/14/61

0 0 0 3 5	May 10 7 59 AM '61
0 0 0 2 1	May 9 11 59 PM '61
0 0 0 1 7	May 9 3 59 PM '61
0 0 0 1 2	May 9 7 59 AM '61
0 0 0 5 6	[illegible] 11 59 PM '61
0 0 0 7 0	May 8 3 59 PM '61
0 0 0 3 3	[illegible] 7 59 AM '61
0 0 0 3 4	[illegible] 11 59 PM '61
0 0 0 2 1	May 7 3 59 PM '61
0 0 0 3 4	[illegible] 7 59 AM '61
0 0 0 1 7	[illegible] 11 59 PM '61
0 0 0 1 6	[illegible] 3 59 PM '61
0 0 0 3 3	May 6 7 59 AM '61
0 0 0 2 9	[illegible] 11 59 PM '61
0 0 0 2 2	[illegible] 3 59 PM '61
0 0 0 0 8	[illegible] 7 59 AM '61
0 0 0 0 7	[illegible] 11 59 PM '61
0 0 0 6 4	[illegible] 3 59 PM '61
0 0 0 4 2	May 4 7 59 AM '61
0 0 0 7 2	May 3 11 59 PM '61
0 0 0 7 7	[illegible] 3 3 59 PM '61
0 0 0 9 7	May 3 7 59 AM '61
0 0 0 2 6	[illegible] 11 59 PM '61
0 0 0 3 4	[illegible] 3 59 PM '61

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00042	May 4 7 59 AM '61
00072	May 3 11 59 PM '61
00077	May 3 3 59 PM '61
00097	May 3 7 59 AM '61
00026	May 2 11 59 PM '61
00034	May 2 3 59 PM '61
00017	May 2 7 59 AM '61
00013	May 1 11 59 PM '61
00045	May 1 3 59 PM '61
00025	May 1 7 59 AM '61

H. Smoulder
Metro Chemo Engrs
5-1-61
Ce-D-19

Tot. Act. = 54 No. samples = 90
Av. Act. = 0.60 No. > MAC = 12
% > MAC = 13

K-1420
MAY '61

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Kihao E. Ebroe

No 18

00020	May 32 12 02 AM '61
00159	May 31 4 02 PM '61
00005	May 31 8 02 AM '61
00008	May 31 12 02 AM '61
00003	May 30 4 02 PM '61
00005	May 30 8 02 AM '61
00008	May 30 12 02 AM '61
00481	May 29 4 02 PM '61
00524	May 29 8 02 AM '61
00018	May 29 12 02 AM '61
00036	May 28 4 02 PM '61
00028	May 28 8 02 AM '61
00013	May 28 12 02 AM '61
00012	May 27 4 02 PM '61
00017	May 27 8 02 AM '61
00010	May 27 12 02 AM '61
00018	May 26 4 02 PM '61
00227	May 26 8 02 AM '61
00011	May 26 12 02 AM '61
00035	May 25 4 02 PM '61
00075	May 25 8 02 AM '61
00017	May 25 12 02 AM '61
00091	May 24 4 02 PM '61
00028	May 24 8 02 AM '61
00387	May 24 12 02 AM '61
00046	May 23 4 02 PM '61
00022	May 23 8 02 AM '61
00014	May 23 12 02 AM '61

1276

00075	May 25 8 02 AM '61
00017	May 25 12 02 AM '61
00091	May 24 4 02 PM '61
00028	May 24 8 02 AM '61
00337	May 24 12 02 AM '61
00046	May 23 4 02 PM '61
00022	May 23 8 02 AM '61
00014	May 23 12 02 AM '61
00044	May 22 4 02 PM '61
00030	May 22 8 02 AM '61
00018	May 22 12 02 AM '61
00084	May 21 4 02 PM '61
00016	May 21 8 02 AM '61
00012	May 21 12 02 AM '61
00011	May 20 4 02 PM '61
00016	May 20 8 02 AM '61
00012	May 20 12 02 AM '61
00013	May 19 4 02 PM '61
00014	May 19 8 02 AM '61
00016	May 19 12 02 AM '61
00044	May 18 4 02 PM '61
00287	May 18 8 02 AM '61
00012	May 18 12 02 AM '61
00005	May 17 4 02 PM '61
00023	May 17 8 02 AM '61
00008	May 17 12 02 AM '61
00005	May 16 4 02 PM '61
00006	May 16 8 02 AM '61
00005	May 16 12 02 AM '61
00012	May 15 4 02 PM '61
00002	May 15 8 02 AM '61
00022	May 15 12 02 AM '61
00005	May 14 4 02 PM '61
00015	May 14 8 02 AM '61
00007	May 14 12 02 AM '61
00004	May 13 4 02 PM '61
00013	May 13 8 02 AM '61
00008	May 13 12 02 AM '61
00011	May 12 4 02 PM '61
[illegible]	May 12 8 02 AM '61

-627-

0 0 0 0 5	May 14 4 02 PM '61
0 0 0 1 5	May 14 8 02 AM '61
0 0 0 0 7	May 14 12 02 AM '61
0 0 0 0 4	May 13 4 02 PM '61
0 0 0 1 3	May 13 8 02 AM '61
0 0 0 0 8	May 13 12 02 AM '61
0 0 0 1 1	May 12 4 02 PM '61
0 0 0 0 8	May 12 8 02 AM '61
0 0 0 1 7	May 12 12 02 AM '61
0 0 0 0 6	May 11 4 02 PM '61
0 0 0 0 5	May 11 8 02 AM '61
0 0 0 0 4	May 11 12 02 AM '61
0 0 0 1 5	May 10 4 02 PM '61
0 0 0 0 7	May 10 8 02 AM '61
0 0 0 0 6	May 10 12 02 AM '61
0 0 0 1 2	May 9 4 02 PM '61
0 0 0 0 3	May 9 8 02 AM '61
0 0 0 0 7	May 9 12 02 AM '61
0 0 0 0 4	May 8 4 02 PM '61
0 0 0 0 7	May 8 8 02 AM '61
0 0 0 2 0	May 8 12 02 AM '61
0 0 0 0 5	May 7 4 02 PM '61
0 0 0 1 3	May 7 8 02 AM '61
0 0 0 0 9	May 7 12 02 AM '61
0 0 0 0 7	May 6 4 02 PM '61
0 0 0 1 2	May 6 8 02 AM '61
0 0 0 0 9	May 6 12 02 AM '61
0 0 0 0 7	May 5 4 02 PM '61
0 0 0 1 8	May 5 8 02 AM '61
0 0 0 1 2	May 5 12 02 AM '61
0 0 0 1 5	May 4 4 02 PM '61
0 0 0 1 4	May 4 8 02 AM '61
0 0 0 1 0	May 4 12 02 AM '61
0 0 0 [illegible] 4	May 3 4 02 PM '61
0 0 0 [illegible] 0	May 3 8 02 AM '61
0 0 0 1 3	May 3 12 02 AM '61
0 0 0 5 1	May 2 4 02 PM '61
0 0 0 1 4	May 2 8 02 AM '61

-628-

0 0 0 1 4	MAY 4 8 02 AM '61
0 0 0 1 0	MAY 4 12 02 AM '61
0 0 0 3 4	MAY 3 4 02 PM '61
0 0 0 2 0	MAY 3 8 02 AM '61
0 0 0 1 3	MAY 3 12 02 AM '61
0 0 0 5 1	MAY 2 4 02 PM '61
0 0 0 1 4	MAY 2 8 02 AM '61
0 0 0 0 7	MAY 2 12 02 AM '61
0 0 0 1 8	MAY 1 4 02 PM '61
0 0 0 1 7	MAY 1 8 02 AM '61

5-1-61
#18 Samples
14 to 4 Hours

Tot. Act. = 35 NO. Samples = 93
Av. Act. = 0.38 NO. > PAL = 6
% > PAL = 6.5

K-1420
MAY '61

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No 12.
H 1420 K. Fro2.
WEM 6-13-61

00020	May 31 11 59 PM '61
00085	May 31 3 59 PM '61
00026	May 31 7 59 AM '61
00014	May 30 11 59 PM '61
00007	May 30 3 59 PM '61
00022	May 30 7 59 AM '61
00030	May 29 11 59 PM '61
00024	May 29 3 59 PM '61
00032	May 29 7 59 AM '61
00013	May 28 11 59 PM '61
00032	May 28 3 59 PM '61
00018	May 28 7 59 AM '61
00020	May 27 11 59 PM '61
00010	May 27 3 59 PM '61
00014	May 27 7 59 AM '61
00016	May 25 11 59 PM '61
00041	May 26 3 59 PM '61
00513	May 26 7 59 AM '61
00026	May 25 11 59 PM '61
00042	May 25 3 59 PM '61
00033	May 25 7 59 AM '61
00039	May 24 11 59 PM '61
00151	May 24 3 59 PM '61
00039	May 24 7 59 AM '61
00106	May 23 11 59 PM '61
00106	May 23 3 59 PM '61
00060	May 23 7 59 AM '61
00200	May 22 11 59 PM '61
00184	May 22 3 59 PM '61
00000	

630

00151	[illegible]
00039	May 24 7 59 AM '61
00106	May 23 11 59 PM '61
00106	May 23 3 59 PM '61
00060	May 23 7 59 AM '61
00200	May 22 11 59 PM '61
00184	May 22 3 59 PM '61
00008	May 22 7 59 AM '61
00003	May 21 11 59 PM '61
00004	May 21 3 59 PM '61
00004	May 21 7 59 AM '61
00007	May 20 11 59 PM '61
00033	May 20 3 59 PM '61
00135	May 20 7 59 AM '61
00058	May 19 11 59 PM '61
00138	May 19 3 59 PM '61
00097	May 19 7 59 AM '61
00072	May 18 11 59 PM '61
00088	May 18 3 59 PM '61
00601	May 18 7 59 AM '61
00094	May 17 11 59 PM '61
00092	May 17 3 59 PM '61
00073	May 17 7 59 AM '61
00021	[illegible] 11 59 PM '61
00030	May 16 3 59 PM '61
00059	May 16 7 59 AM '61
00016	May 15 11 59 PM '61
00097	May 15 3 59 PM '61
00064	May 15 7 59 AM '61
00280	May 14 11 59 PM '61
00009	May 14 3 59 PM '61
00068	May 14 7 59 AM '61
00017	May 13 11 59 PM '61
00021	May 13 3 59 PM '61
00062	May 13 7 59 AM '61
00029	[illegible] 11 59 PM '61

TOT AV.

-631-

00280	May 14 11 59 PM '61
00009	May 14 3 59 PM '61
00068	May 14 7 59 AM '61
00017	May 13 11 59 PM '61
00021	May 13 3 59 PM '61
00062	May 13 7 59 AM '61
00029	May 12 11 59 PM '61
00062	May 12 3 59 PM '61
00011	May 12 7 59 AM '61
00074	May 11 11 59 PM '61
00023	May 11 3 59 PM '61
00006	May 11 7 59 AM '61
00005	May 10 11 59 PM '61
00011	May 10 3 59 PM '61
00007	May 10 7 59 AM '61
00006	May 9 11 59 PM '61
00010	May 9 3 59 PM '61
00007	May 9 7 59 AM '61
00082	May 8 11 59 PM '61
00023	May 8 3 59 PM '61
00363	May 8 7 59 AM '61
00142	May 7 11 59 PM '61
00040	May 7 3 59 PM '61
00057	May 7 7 59 AM '61
00113	May 6 11 59 PM '61
00021	May 6 3 59 PM '61
00025	May 6 7 59 AM '61
00067	May 5 11 59 PM '61
00020	May 5 3 59 PM '61
00013	May 5 7 59 AM '61
00014	May 4 11 59 PM '61
00077	May 4 3 59 PM '61
00013	May 4 7 59 AM '61
00057	May 3 11 59 PM '61
00089	May 3 3 59 PM '61
00037	May 3 7 59 AM '61

632

00014	MAY 4 11 59 PM '61
00077	MAY 4 3 59 PM '61
00013	MAY 4 7 59 AM '61
00051	MAY 3 11 59 PM '61
00089	MAY 3 3 59 PM '61
00037	MAY 3 7 59 AM '61
00055	MAY 2 11 59 PM '61
00710	MAY 2 3 59 PM '61
01219	MAY 2 7 59 AM '61
00158	MAY 1 11 59 PM '61
00363	MAY 1 3 59 PM '61
00041	MAY 1 7 59 AM '61

Prompt Ifro Requesting Due 5-1-61

TOT. ACT. = 82 NO. SAMPLES = 93
AV. ACT. = 0.88 NO. > PAL = 17
% > PAL = 18

K-1420

MAY '61

ALL K-1420
MAY, 1961

TOT. ACT. = 236 NO. SAMPLES = 343
AV. ACT. = 0.69 NO. > PAL = 56
% > PAL = 16

00092	Jun 30 11 58 PM '61
00223	Jun 30 3 58 PM '61
00068	Jun 30 7 58 AM '61
00105	Jun 29 11 58 PM '61
00208	Jun 29 3 58 PM '61
00060	Jun 29 7 58 AM '61
00032	Jun 28 11 58 PM '61
00138	Jun 28 3 58 PM '61
00057	Jun 28 7 58 AM '61
00027	Jun 27 11 58 PM '61
00030	Jun 27 3 57 PM '61
~~00000~~	~~Jun 27 10 19 AM '61~~
~~00000~~	~~Jun 27 7 57 AM '61~~

1 #121
K/1420
H
Area
7-3-61
OEM 7-6-61

Reproduced
Reproduced
Reproduced

00000	Jun 26 7 56 AM '61
00000	Jun 25 11 56 PM '61
00000	Jun 25 3 56 PM '61
00001	Jun 25 7 56 AM '61
00000	Jun 24 11 56 PM '61
00000	Jun 24 3 56 PM '61
00000	Jun 24 7 56 AM '61
00000	Jun 23 11 56 PM '61
00000	Jun 23 3 56 PM '61
00000	Jun 23 7 56 AM '61
00000	Jun 22 11 56 PM '61
00000	Jun 22 3 56 PM '61
00000	Jun 22 7 56 AM '61
00000	Jun 21 11 56 PM '61
00000	Jun 21 3 56 PM '61
00000	Jun 21 7 56 AM '61
00000	Jun 20 11 56 PM '61

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	0	0	0	0	0	Jun 22 3 56 PM '61
	0	0	0	0	0	Jun 22 7 56 AM '61
	0	0	0	0	0	Jun 21 11 56 PM '61
	0	0	0	0	0	Jun 21 3 56 PM '61
	0	0	0	0	0	Jun 21 7 56 AM '61
	0	0	0	0	0	Jun 20 11 56 PM '61
	0	0	0	0	0	Jun 20 3 56 PM '61
	0	0	0	0	0	Jun 20 7 56 AM '61
	0	0	0	0	0	Jun 19 11 57 PM '61
	0	0	0	0	0	Jun 19 3 57 PM '61
	0	0	0	0	0	Jun 19 7 57 AM '61
	0	0	0	0	0	Jun 18 11 57 PM '61
	0	0	0	0	0	Jun 18 3 57 PM '61
	0	0	0	0	0	Jun 18 7 57 AM '61
	0	0	0	0	0	Jun 17 11 57 PM '61
	0	0	0	0	0	Jun 17 3 57 PM '61
	0	0	0	0	0	Jun 17 7 57 AM '61
	0	0	0	0	1	Jun 16 11 57 PM '61
	0	0	0	0	0	Jun 16 3 57 PM '61
	0	0	0	0	0	Jun 16 7 57 AM '61
	0	0	0	0	0	Jun 15 11 57 PM '61
	0	0	0	0	1	Jun 15 3 57 PM '61
	0	0	0	0	1	Jun 15 7 57 AM '61
	0	0	0	0	0	Jun 14 11 57 PM '61
	0	0	0	0	2	Jun 14 3 57 PM '61
	0	0	0	0	4	Jun 14 7 48 AM '61
	0	0	0	0	0	Jun 14 7 07 AM '61
To	0	0	0	0	7	Jun 14 6 59 AM '61
	0	0	0	1	3	Jun 14 6 55 AM '61
	0	0	0	0	0	Jun 14 6 15 AM '61
	0	0	0	5	1	Jun 14 4 47 AM '61
	0	0	0	1	0	Jun 14 4 38 AM '61
	0	0	0	1	0	Jun 14 4 29 AM '61
	0	0	0	0	2	Jun 14 4 27 AM '61
	0	0	0	0	2	Jun 14 4 23 AM '61
	0	0	0	2	1	Jun 14 4 21 AM '61
	0	0	0	0	1	Jun 14 4 14 AM '61
	0	0	0	0	2	Jun 14 3 54 AM '61
T	0	0	0	1	0	

635

00010	Jun 14 4 38 AM '61
00002	Jun 14 4 29 AM '61
00002	Jun 14 4 27 AM '61
00021	Jun 14 4 23 AM '61
00001	Jun 14 4 21 AM '61
00002	Jun 14 4 14 AM '61
00010	Jun 14 3 54 AM '61
00008	Jun 14 3 46 AM '61
00000	Jun 14 3 42 AM '61
00003	Jun 14 3 40 AM '61
00003	Jun 14 3 35 AM '61

Calibration

00008	Jun 14 12 01 AM '61
00164	Jun 13 4 01 PM '61
01914	Jun 13 7 59 AM '61
01932	Jun 12 11 59 PM '61
01942	Jun 12 3 59 PM '61
00820	Jun 12 7 59 AM '61
00465	Jun 11 11 59 PM '61
00447	Jun 11 3 59 PM '61
00432	Jun 11 7 59 AM '61
00324	Jun 10 11 59 PM '61
00022	Jun 10 3 59 PM '61
00017	Jun 10 7 59 AM '61
00113	Jun 9 11 59 PM '61
00132	Jun 9 3 59 PM '61
00029	Jun 9 7 59 AM '61
00241	Jun 8 11 59 PM '61
00115	Jun 8 3 59 PM '61
00137	Jun 8 7 59 AM '61
00734	Jun 7 11 59 PM '61
00173	Jun 7 3 59 PM '61
00424	Jun 7 7 59 AM '61

Replaced counter Sep 6-13-61

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0 0 0 2 9	JUN 9 7 59 AM '61
0 0 2 4 1	JUN 8 11 59 PM '61
0 0 1 1 5	JUN 8 3 59 PM '61
0 0 1 3 7	JUN 8 7 59 AM '61
0 0 7 3 4	JUN 7 11 59 PM '61
0 0 1 7 3	JUN 7 3 59 PM '61
0 0 4 2 4	JUN 7 7 59 AM '61
0 0 2 4 1	JUN 6 11 59 PM '61
0 0 2 1 4	JUN 6 3 59 PM '61
0 0 0 3 7	JUN 6 7 59 AM '61
0 0 0 2 0	JUN 5 11 59 PM '61
0 0 4 8 7	JUN 5 3 59 PM '61
0 0 1 6 5	JUN 5 7 59 AM '61
0 0 3 6 0	JUN 4 11 59 PM '61
0 0 4 1 4	JUN 4 3 59 PM '61
0 0 2 4 5	JUN 4 7 59 AM '61
0 0 0 4 4	JUN 3 11 59 PM '61
0 0 0 2 7	JUN 3 3 59 PM '61
0 0 3 5 4	JUN 3 7 59 AM '61
0 0 7 2 3	JUN 2 11 59 PM '61
0 0 1 2 0	JUN 2 3 59 PM '61
0 0 2 1 2	JUN 2 7 59 AM '61
0 0 5 3 4	JUN 1 11 59 PM '61
0 0 2 5 3	JUN 1 3 59 PM '61
0 0 0 4 1	JUN 1 7 59 AM '61

Tot. Act. = 142 No. Samples = 87

Av. Act. = 1.9 No. > PAL = 34

% > PAL = 39

K-1420

TOT. ACT. = 142 NO. SAMPLES = 87
AV. ACT. = 1.9 NO. > PAL = 34
% > PAL = 39

K-1420
JUN '61

ALL K-1420
JUNE, 1961

TOT. ACT. = 237 NO. SAMPLES = 325
AV. ACT. = 0.73 NO > PAL = 11
% > PAL = 3.4

0 0 0 5 8	Jun 30 12 00 AM '61
0 0 1 6 2	Jun 30 4 00 PM '61
0 0 0 7 0	Jun 30 8 00 AM '61
0 0 0 6 0	Jun 30 12 00 PM '61
0 0 0 3 0	Jun 30 4 00 AM '61
0 0 0 4 0	Jun 29 8 00 PM '61
0 0 0 3 1	Jun 29 12 00 PM '61
0 0 0 5 1	Jun 29 4 00 AM '61

14,420
"B" Area
#4
WEM
7-6-61

0 0 0 5 0	Jun 28 8 00 PM '61
0 0 0 3 0	Jun 28 12 00 PM '61
0 0 0 2 3	Jun 28 4 00 AM '61
0 0 0 2 7	Jun 27 12 00 PM '61
0 0 0 8 1	Jun 27 4 00 AM '61

Replacement
Calibration
Tues 6/26/61

0 0 0 0 8	Jun 26 8 00 PM '61

0 0 0 6 8	Jun 21 4 00 AM '61
0 0 0 8 1	Jun 20 8 00 PM '61
0 0 0 6 7	Jun 20 12 00 PM '61
0 0 0 3 0	Jun 20 4 00 AM '61
0 0 0 4 2	Jun 19 8 00 PM '61
0 0 0 2 4	Jun 19 12 00 PM '61
0 0 0 1 0	Jun 19 4 00 AM '61
0 0 0 2 0	Jun 18 8 00 PM '61
0 0 0 4 9	Jun 18 12 00 PM '61
0 0 0 1 8	Jun 18 4 00 AM '61
[redacted]	[redacted]
[redacted]	[redacted]
[redacted]	[redacted]

0 0 0 0 0	Jun 13 8 00 PM '61
0 0 0 0 1	Jun 13 12 00 PM '61
0 0 0 0 1	Jun 13 4 00 AM '61
0 0 0 0 0	Jun 20 10 44 PM '61
0 0 0 0 4	Jun 10 10 44 PM '61
0 0 0 0 0	Jun 10 10 44 PM '61
0 0 0 0 3	Jun 10 10 44 PM '61
0 0 0 0 1	Jun 10 10 44 PM '61
0 0 0 0 1	Jun 10 4 00 PM '61
0 0 0 0 4	Jun 10 8 00 AM '61
0 0 0 0 2	Jun 10 12 00 AM '61
0 0 0 0 0	Jun 9 4 00 PM '61
0 0 0 0 4	Jun 9 8 00 AM '61
0 0 0 0 0	Jun 9 12 00 AM '61
0 0 0 1 2	Jun 8 4 00 PM '61
0 0 0 0 0	Jun 8 8 00 AM '61
0 0 0 3 2	Jun 8 12 00 AM '61
0 0 0 0 4	Jun 7 4 00 PM '61
0 0 0 0 0	Jun 7 8 00 AM '61
0 0 0 0 0	Jun 7 12 00 AM '61
0 0 0 0 1	Jun 6 4 00 PM '61
0 0 0 0 0	Jun 6 8 00 AM '61
0 0 0 0 0	Jun 6 12 00 AM '61
0 0 0 1 3	Jun 5 4 00 PM '61
0 0 0 1 0	Jun 5 8 00 AM '61
0 0 0 1 0	Jun 5 12 00 AM '61
0 0 0 0 0	Jun 4 4 00 PM '61
0 0 0 1 1	Jun 4 8 00 AM '61
0 0 0 0 0	Jun 4 12 00 AM '61
0 0 0 0 4	Jun 3 4 00 PM '61
0 0 0 1 0	Jun 3 8 00 AM '61
0 0 0 0 8	Jun 3 12 00 AM '61
0 0 0 1 0	Jun 2 4 00 PM '61
0 0 0 1 0	Jun 2 8 00 AM '61

TOT. ACT. = 15 NO. SAMPLES = 61
AV. ACT. = 0.25 NO. > PAL = 1
% > PAL = 1.6

K-1420
JUN '61

00011	Jun 31 12 02 AM '61
00331	Jun 30 4 02 PM '61
00014	Jun 30 8 02 AM '61
00010	Jun 30 12 02 AM '61
00004	Jun 29 4 02 PM '61
00014	Jun 29 8 02 AM '61
00006	Jun 29 12 02 AM '61
00006	Jun 28 4 02 PM '61
00019	Jun 28 8 02 AM '61
00007	Jun 28 12 02 AM '61
00006	Jun 27 4 02 PM '61
00014	Jun 27 8 02 AM '61
00008	Jun 37 12 02 AM '61
00003	Jun 36 4 02 PM '61

K1420 #18 "E" AREA 7-3-31

00007	Jun 25 4 00 PM '61
00023	Jun 25 8 00 AM '61
00025	Jun 25 12 00 AM '61
00029	Jun 24 4 00 PM '61
00030	Jun 24 8 00 AM '61
00015	Jun 24 12 00 AM '61
00017	Jun 23 4 00 PM '61
00015	Jun 23 8 00 AM '61

00010	Jun 23 12 00 AM '61
00053	Jun 22 4 00 PM '61
00013	Jun 22 8 00 AM '61
00008	Jun 22 12 00 AM '61
00136	Jun 21 4 00 PM '61
00008	Jun 21 8 00 AM '61
00041	Jun 21 12 00 AM '61
00265	Jun 20 4 00 PM '61
00008	Jun 20 8 00 AM '61
00018	Jun 19 11 57 PM '61
00034	Jun 19 3 57 PM '61

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0 0 0 0 8	Jun 21 8 00 AM '61
0 0 0 4 1	Jun 21 12 00 AM '61
0 0 2 6 5	Jun 20 4 00 PM '61
0 0 0 6 8	Jun 20 8 00 AM '61
0 0 0 1 8	Jun 19 11 57 PM '61
0 0 0 3 4	Jun 19 3 57 PM '61
0 0 0 2 6	Jun 19 7 57 AM '61
0 0 0 1 2	Jun 18 11 57 PM '61
0 0 0 0 8	Jun 18 3 57 PM '61
0 0 0 1 7	Jun 18 7 57 AM '61
0 0 0 1 3	Jun 17 11 57 PM '61
0 0 0 0 7	Jun 17 3 57 PM '61
0 0 0 0 9	Jun 17 7 57 AM '61
0 0 0 0 9	Jun 16 11 57 PM '61
0 0 0 3 8	Jun 16 3 57 PM '61
0 0 0 0 8	Jun 16 7 57 AM '61
0 0 0 0 7	Jun 15 11 57 PM '61
0 0 0 2 6	Jun 15 3 57 PM '61
0 0 0 0 8	Jun 15 7 57 AM '61
0 0 0 0 7	Jun 14 11 57 PM '61
0 0 0 0 8	Jun 14 3 57 PM '61
0 0 0 1 0	Jun 14 7 57 AM '61
0 0 0 0 7	Jun 13 11 57 PM '61
0 0 1 2 1	Jun 13 3 57 PM '61
0 0 0 1 3	Jun 13 7 57 AM '61
0 0 0 0 8	Jun 12 11 57 PM '61
0 0 0 3 5	Jun 12 3 57 PM '61
0 0 0 0 2	Jun 12 7 57 AM '61
0 0 0 0 3	Jun 11 11 57 PM '61
0 0 0 0 2	Jun 11 3 57 PM '61
0 0 0 0 3	Jun 11 7 57 AM '61
0 0 0 0 3	Jun 10 11 57 PM '61
0 0 0 0 2	Jun 10 3 57 PM '61
0 0 0 0 3	Jun 10 7 57 AM '61
0 0 0 0 3	Jun 9 11 57 PM '61

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0 0 0 0 3	JUN 11 11 57 AM '61
0 0 0 0 2	JUN 11 3 57 PM '61
0 0 0 0 3	JUN 11 7 57 AM '61
0 0 0 0 3	JUN 10 11 57 PM '61
0 0 0 0 2	JUN 10 3 57 PM '61
0 0 0 0 3	JUN 10 7 57 AM '61
0 0 0 0 3	JUN 9 11 57 PM '61
0 0 0 0 3	JUN 9 3 57 PM '61
0 0 0 0 3	JUN 9 7 57 AM '61
0 0 0 0 3	JUN 8 11 57 PM '61
0 0 0 1 3	JUN 8 3 57 PM '61
0 0 0 1 9	JUN 8 7 57 AM '61
0 0 1 1 0	JUN 7 11 57 PM '61
0 0 0 7 0	JUN 7 3 57 PM '61
0 0 0 3 3	JUN 7 7 57 AM '61
0 0 0 5 5	JUN 6 11 57 PM '61
0 0 0 7 1	JUN 6 3 57 PM '61
0 0 0 1 1	JUN 6 7 57 AM '61
0 0 0 0 9	JUN 5 11 57 PM '61
0 0 1 2 5	JUN 5 3 57 PM '61
0 0 0 3 6	JUN 5 7 57 AM '61
0 0 3 7 8	JUN 5 12 02 AM '61
0 0 1 8 6	JUN 4 4 02 PM '61
0 0 0 1 9	JUN 4 8 02 AM '61
0 0 0 1 3	JUN 4 12 02 AM '61
0 0 0 0 9	JUN 3 4 02 PM '61
0 0 0 3 2	JUN 3 8 02 AM '61
0 0 0 1 9	JUN 3 12 02 AM '61
0 0 0 7 6	JUN 2 4 02 PM '61
0 0 0 3 7	JUN 2 8 02 AM '61
0 0 0 2 2	JUN 2 12 02 AM '61
0 0 0 3 2	JUN 1 4 02 PM '61
0 0 0 3 6	JUN 1 8 02 AM '61

TOT. ACT. = 31 NO. SAMPLES = 87
AV. ACT. = 0.36 NO. > PAL = 8
% > PAL = 9.2

K-1420
JUN '61

0 0 0 2 7	Jun 30 11 58 PM '61
0 0 2 6 0	Jun 30 3 58 PM '61
0 0 0 0 7	Jun 30 7 58 AM '61
0 0 0 0 7	Jun 29 11 58 PM '61
0 0 0 0 6	Jun 29 3 58 PM '61
0 0 0 0 8	Jun 29 7 58 AM '61
0 0 0 0 8	Jun 28 11 58 PM '61
0 0 0 0 9	Jun 28 3 58 PM '61
0 0 0 1 1	Jun 28 7 58 AM '61
0 0 0 1 2	Jun 27 11 58 PM '61
0 0 0 1 9	Jun 27 3 58 PM '61
0 0 0 5 2	Jun 27 7 58 AM '61
0 0 0 2 7	Jun 26 11 58 PM '61
0 0 0 3 4	Jun 26 3 58 PM '61
0 0 0 5 5	Jun 26 7 58 AM '61
0 0 0 5 2	Jun 25 11 58 PM '61
0 0 0 3 4	Jun 25 3 58 PM '61
0 0 0 5 4	Jun 25 7 58 AM '61
0 0 0 7 0	Jun 24 11 58 PM '61
0 0 0 2 5	Jun 24 3 58 PM '61
0 0 0 3 8	Jun 24 7 58 AM '61
0 0 0 2 2	Jun 23 11 58 PM '61
0 0 0 2 3	Jun 23 3 58 PM '61
0 0 0 3 7	Jun 23 7 58 AM '61
0 0 0 2 0	Jun 22 11 58 PM '61
0 0 0 5 0	Jun 22 3 58 PM '61
0 0 0 2 5	Jun 22 7 58 AM '61
0 0 0 2 6	Jun 21 11 59 PM '61
0 0 0 3 1	Jun 21 3 58 PM '61
0 0 0 2 5	Jun 21 7 58 AM '61
0 0 0 2 2	Jun 20 11 58 PM '61
0 0 0 5 8	Jun 20 3 58 PM '61
0 0 0 0 5	Jun 20 7 58 AM '61
0 0 0 4 4	Jun 19 11 58 PM '61
0 0 0 4 7	Jun 19 3 58 PM '61
0 0 0 5 9	Jun 19 7 58 AM '61
0 0 0 2 9	Jun 18 11 58 PM '61
0 0 0 2 8	Jun 18 3 58 PM '61
0 0 0 4 3	Jun 18 7 58 AM '61

#5 K1420 Col D-11 Weight 7.6 oz

A. Allan Bunch Funeral Home Rockville Md 20850 Per Mr. Bunch 8/30/60

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0 0 0 0 5	[illegible] 7 58 AM '61
0 0 0 4 4	Jun 19 11 58 PM '61
0 0 0 4 7	Jun 19 3 58 PM '61
0 0 0 5 9	Jun 19 7 58 AM '61
0 0 0 2 9	Jun 18 11 58 PM '61
0 0 0 2 8	Jun 18 3 58 PM '61
0 0 0 4 3	Jun 18 7 58 AM '61
0 0 0 3 3	Jun 17 11 58 PM '61
0 0 0 1 9	Jun 17 3 58 PM '61
0 0 0 1 4	Jun 17 7 58 AM '61
0 0 0 1 8	Jun 16 11 58 PM '61
0 0 0 0 1	Jun 16 3 58 PM '61
0 0 0 4 1	Jun 16 7 58 AM '61
0 0 0 1 9	Jun 15 11 58 PM '61
0 0 0 1 8	Jun 15 3 58 PM '61
0 0 0 5 7	Jun 15 7 58 AM '61
0 0 0 1 8	Jun 14 11 58 PM '61
0 0 0 1 7	Jun 14 3 58 PM '61
0 0 0 1 7	Jun 14 7 58 AM '61
0 0 0 1 4	Jun 13 11 58 PM '61
0 0 0 1 5	Jun 13 3 58 PM '61
0 0 0 1 1	Jun 13 7 58 AM '61
0 0 0 2 7	Jun 12 11 58 PM '61
0 0 0 3 2	Jun 12 3 58 PM '61
0 0 0 3 6	Jun 12 7 58 AM '61
0 0 0 2 8	Jun 11 11 58 PM '61
0 0 0 2 4	Jun 11 3 58 PM '61
0 0 0 2 2	Jun 11 7 58 AM '61
0 0 0 3 1	Jun 10 11 58 PM '61
0 0 0 2 1	Jun 10 3 58 PM '61
0 0 0 2 4	Jun 10 7 58 AM '61
0 0 0 1 6	Jun 9 11 58 PM '61
0 0 0 3 6	Jun 9 3 58 PM '61
0 0 0 0 8	Jun 9 7 58 AM '61
0 0 0 1 7	Jun 8 11 58 PM '61
0 0 0 1 8	Jun 8 3 58 PM '61
0 0 0 2 8	Jun 8 7 58 AM '61
0 0 0 0 2	Jun 7 11 58 PM '61
0 0 0 2 1	Jun 7 3 58 PM '61
[illegible]	Jun 7 7 58 AM '61

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0 0 0 1 6	Jun 9 11 58 PM '61
0 0 0 3 6	Jun 9 3 58 PM '61
0 0 0 0 8	Jun 9 7 58 AM '61
0 0 0 1 7	Jun 8 11 58 PM '61
0 0 0 1 8	Jun 8 3 58 PM '61
0 0 0 2 8	Jun 8 7 58 AM '61
0 0 0 0 2	Jun 7 11 58 PM '61
0 0 0 2 1	Jun 7 3 58 PM '61
0 0 0 5 6	Jun 7 7 58 AM '61
0 0 0 2 4	Jun 6 11 58 PM '61
0 0 0 2 3	Jun 6 3 58 PM '61
0 0 0 2 1	Jun 6 7 58 AM '61
0 0 0 0 8	Jun 5 11 58 PM '61
0 0 0 1 0	Jun 5 3 58 PM '61
0 0 0 9 0	Jun 55 77 58 AM '61
0 0 0 2 8	Jun 4 11 58 PM '61
0 0 0 2 6	Jun 4 3 58 PM '61
0 0 0 0 2	Jun 4 7 58 AM '61
0 0 0 8 9	Jun 3 11 58 PM '61
0 0 0 3 9	Jun 3 3 58 PM '61
0 0 0 1 8	Jun 2 7 58 AM '61
0 0 0 3 9	Jun 2 11 58 PM '61
0 0 0 3 5	Jun 2 3 58 PM '61
0 0 0 5 5	Jun 2 7 58 AM '61
0 0 0 4 2	Jun 1 11 58 PM '61
0 0 0 4 4	Jun 1 3 58 PM '61
0 0 1 1 1	Jun 1 7 58 AM '61

TOT. Act. = 29 NO. samples = 90

AV. Act. = 0.32 NO. > PAL = 2

% > PAL = 2.2

K-1420
JUN '61

Monitor # 12
8-1-61
1420 "H" Area

Smart working on monitor

0 0 0 0 0	Jul 28 7 57 AM '61
0 0 0 0 0	Jul 27 11 57 PM '61
0 0 0 0 0	Jul 27 3 57 PM '61
0 0 0 0 0	Jul 27 7 57 AM '61
0 0 0 0 0	Jul 26 11 57 PM '61
0 0 1 4 2	Jul 26 3 57 PM '61
0 0 1 2 0	Jul 26 7 56 AM '61
0 0 1 2 5	Jul 25 11 57 PM '61
0 0 1 0 2	Jul 25 3 57 PM '61
0 0 1 3 6	Jul 25 7 57 AM '61
0 0 0 2 2	Jul 24 11 57 PM '61
0 0 0 2 3	Jul 24 3 57 PM '61
0 0 0 2 6	Jul 24 7 57 AM '61
0 0 0 2 7	Jul 23 11 57 PM '61
0 0 0 3 3	Jul 23 3 57 PM '61
0 0 0 2 6	Jul 23 7 57 AM '61
0 0 0 6 2	Jul 22 11 57 PM '61
0 0 0 2 2	Jul 22 3 57 PM '61
0 0 0 3 1	Jul 22 7 57 AM '61
0 0 0 4 3	Jul 21 11 57 PM '61
0 0 1 3 6	Jul 21 3 57 PM '61
0 0 0 6 2	Jul 21 7 57 AM '61
0 0 3 2 0	Jul 20 11 56 PM '61
0 0 1 3 1	Jul 20 3 57 PM '61
0 0 0 9 4	Jul 20 7 56 AM '61
0 0 0 4 0	Jul 19 11 56 PM '61
0 0 0 6 6	Jul 19 3 56 PM '61
0 0 0 5 1	Jul 19 7 56 AM '61
[illegible]	[illegible]

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00320	Jul 20 11 56 PM '61
00131	Jul 20 3 57 PM '61
00094	Jul 20 7 56 AM '61
00040	Jul 19 11 56 PM '61
00066	Jul 19 3 56 PM '61
00051	Jul 19 7 56 AM '61
00057	Jul 18 11 56 PM '61
00148	Jul 18 3 56 PM '61
00085	Jul 18 7 56 AM '61
00100	Jul 17 11 56 PM '61
00032	Jul 17 3 56 PM '61
~~00001~~	~~Jul 17 8 38 AM '61~~
~~00007~~	~~Jul 17 9 34 AM '61~~
00028	Jul 14 11 57 PM '61
00047	Jul 14 3 57 PM '61
00260	Jul 14 7 57 AM '61
01127	Jul 13 11 56 PM '61
00318	Jul 13 3 57 PM '61
00351	Jul 13 7 57 AM '61
00192	Jul 12 11 57 PM '61
00018	Jul 12 3 57 PM '61
00064	Jul 12 7 57 AM '61
00046	Jul 11 11 57 PM '61
00040	Jul 11 3 57 PM '61
00062	Jul 11 7 57 AM '61
00059	0 56 PM '61
00019	Jul 10 3 56 PM '61

Bribery
Main Smith

00059	[illegible] 11 56 PM '61
00019	Jul 10 3 56 PM '61

Bonnie unan [illegible] 7/11/61

~~00022~~	~~Jul 11 8 46 AM '61~~
00078	Jul 9 11 58 PM '61
00021	Jul 9 3 58 PM '61
00047	Jul 9 7 58 AM '61
00049	Jul 8 11 58 PM '61
00024	Jul 8 3 58 PM '61
00064	Jul 8 7 58 AM '61
00520 —	Jul 7 11 58 PM '61
00365 —	Jul 7 3 58 PM '61
00302 —	Jul 7 7 58 AM '61
00432 —	Jul 6 11 58 PM '61
00457 —	Jul 6 3 58 PM '61
00165	Jul 6 7 58 AM '61
00170	Jul 5 11 58 PM '61
00400 —	Jul 5 3 58 PM '61
00503 —	Jul 5 7 58 AM '61
00034	Jul 4 11 58 PM '61
00017	Jul 4 3 58 PM '61
00038	Jul 4 7 58 AM '61
00330 —	Jul 3 11 58 PM '61
00183	Jul 3 3 58 PM '61
00246 —	Jul 3 7 58 AM '61

00183
00246—

JUL 3 3 58 PM '61
JUL 3 7 58 AM '61

7-3-61
12:25 PM
"H" AREA
K-1420

TOT. ACT. = 102 NO. SAMPLES = 74
AV. ACT. = 1.4 NO. > PAL = 15
% > PAL = 20

K-1420
JUL '61

ALL K-1420
JULY 1941

-653-

Tot. Act. = 102 No. samples = 74
Av. Act. = 1.4 No. > PAL = 15
% > PAL = 20

K-1420
JUL '61

ALL K-1420
JULY, 1961

Tot. Act. = 243 No. samples = 271
Av. Act. = 0.90 No. > PAL = 26
% > PAL = 9.6

00339	JUN 32 11 58 PM '61
00127	JUN 32 3 58 PM '61
00100	JUN 32 7 58 AM '61
00078	JUN 31 11 58 PM '61
00111	JUN 31 3 58 PM '61
00122	JUN 31 7 58 AM '61

Monitor #18
Recovery Liner "E" Area

WEM 4-8-61

~~0 0 0 0 4~~	~~Jul 32 12 05 AM '61~~
0 0 3 1 5	Jul 31 4 05 PM '61
0 0 0 2 4	Jul 31 10 47 AM '61
0 0 0 1 4	Jul 28 8 00 AM '61
0 0 0 0 8	Jul 28 12 00 AM '61
0 0 0 0 4	Jul 27 4 00 PM '61
0 0 0 1 2	Jul 27 8 00 AM '61
0 0 0 1 4	Jul 27 12 00 AM '61
0 0 2 2 5	Jul 26 4 00 PM '61
0 0 0 7 4	Jul 26 8 00 AM '61
0 0 0 4 9	Jul 26 12 00 AM '61
0 0 3 5 5	Jul 25 4 00 PM '61
0 0 0 3 0	Jul 25 8 00 AM '61
0 0 0 1 4	Jul 25 12 00 AM '61
0 0 0 1 3	Jul 24 4 00 PM '61
0 0 0 8 2	Jul 24 8 00 AM '61
0 0 1 8 2	Jul 24 12 00 AM '61
0 0 7 3 8	Jul 23 4 00 PM '61
0 1 3 1 7	Jul 23 8 00 AM '61
0 1 5 2 9	Jul 23 12 00 AM '61
0 1 0 2 8	Jul 22 4 00 PM '61
0 0 0 0 8	Jul 22 8 00 AM '61
0 0 0 0 9	Jul 22 12 00 AM '61
0 0 9 7 5	Jul 21 4 00 PM '61
0 0 0 0 9	Jul 21 8 00 AM '61
0 0 0 0 7	Jul 21 12 00 AM '61
0 0 0 0 8	Jul 20 4 00 PM '61
0 0 1 6 2	Jul 20 8 00 AM '61
0 0 0 1 7	Jul 20 12 00 AM '61
0 0 1 1 2	Jul 19 4 00 PM '61
0 0 2 8 0	Jul 19 8 00 AM '61
~~0 0 0 0 1~~	~~Jul 19 5 35 AM '61~~
0 0 0 0 6	Jul 17 7 55 AM '61

Weight Unknown
Negative reading
This reading may be due to

0 0 0 5 8	Jul 20 4 00 PM '61
0 0 1 6 2	Jul 20 8 00 AM '61
0 0 0 1 7	Jul 20 12 00 AM '61
0 0 1 1 2	Jul 19 4 00 PM '61
0 0 2 8 0	Jul 19 8 00 AM '61
~~0 0 0 0 1~~	~~Jul 19 5 35 AM '61~~
0 0 0 0 6	Jul 17 7 55 AM '61
0 0 1 2 8	Jul 16 11 55 PM '61
0 0 0 1 2	Jul 16 3 55 PM '61
0 0 0 0 8	Jul 16 7 55 AM '61
0 0 0 0 7	Jul 15 11 55 PM '61
0 0 0 0 6	Jul 15 3 55 PM '61
0 0 0 1 4	Jul 15 7 55 AM '61
0 0 0 1 1	Jul 14 11 55 PM '61
0 0 0 0 8	Jul 14 3 55 PM '61
0 0 0 0 5	Jul 14 7 55 AM '61
0 0 0 0 4	Jul 13 11 55 PM '61
0 0 0 0 3	Jul 13 3 55 PM '61
0 0 0 0 4	Jul 13 7 55 AM '61
0 0 0 0 4	Jul 12 11 55 PM '61
0 0 0 0 4	Jul 12 3 55 PM '61
0 0 0 0 8	Jul 12 7 55 AM '61
0 0 0 0 8	Jul 11 11 55 PM '61
0 0 0 0 7	Jul 11 3 55 PM '61
0 0 0 0 2	Jul 11 7 55 AM '61
0 0 0 0 3	Jul 9 11 55 PM '61
0 0 0 0 1	Jul 9 3 55 PM '61
0 0 0 0 3	Jul 9 7 55 AM '61

Scale To relieve for Refining

Samples = c
PSL =
PSL = 1

31 8 02 AM '6

-656-

0 0 0 0 3	Jul 9 11 55 PM '61
0 0 0 0 1	Jul 9 3 55 PM '61
0 0 0 0 3	Jul 9 7 55 AM '61
0 0 0 0 1	Jul 8 11 55 PM '61
0 0 0 0 2	Jul 8 3 55 PM '61
0 0 0 0 2	Jul 8 7 55 AM '61
0 0 0 0 2	Jul 7 11 55 PM '61
0 0 0 0 2	Jul 7 3 55 PM '61
0 0 2 0 8	Jul 7 7 55 AM '61
0 0 0 1 2	Jul 6 11 55 PM '61
0 0 0 4 2	Jul 6 3 55 PM '61
0 0 0 2 3	Jul 6 7 55 AM '61
0 0 0 1 4	Jul 5 11 55 PM '61
0 0 0 2 9	Jul 5 3 55 PM '61
0 0 0 2 9	Jul 5 7 55 AM '61
0 0 0 1 2	Jul 4 11 55 PM '61
0 0 0 0 7	Jul 4 3 55 PM '61
0 0 0 1 8	Jul 4 7 55 AM '61
0 0 0 1 0	Jul 3 11 55 PM '61
0 0 0 2 4	Jul 3 3 55 PM '61
0 0 0 0 3	Jul 3 7 55 AM '61

7-3-61
K/1420
"C" Area
12:20 PM

Tot. Act. = 83 No. samples = 62
Av. Act. = 1.3 No. > PAL = 9
Zn > PAL = 15

K-1420 Rec.
JUL '61

00415

Jun 31 8 02 AM '61

#4 Sonoma
8-1-61
14r0-"B" Area

0 0 0 5 2	Jul 31 11 59 PM '61
0 0 0 5 1	Jul 31 3 59 PM '61
0 0 0 5 2	Jul 31 7 59 AM '61
0 0 0 2 1	Jul 30 11 59 PM '61
0 0 0 2 2	Jul 30 3 59 PM '61
0 0 0 5 0	Jul 30 7 59 AM '61
0 0 0 3 2	Jul 29 11 59 PM '61
0 0 0 3 1	Jul 29 3 59 PM '61
0 0 0 4 1	Jul 29 7 59 AM '61
0 0 0 3 0	Jul 28 11 59 PM '61
0 0 0 3 1	Jul 28 3 59 PM '61
0 0 0 5 0	Jul 28 7 59 AM '61
0 0 0 3 0	Jul 27 11 59 PM '61
0 0 0 2 1	Jul 27 3 59 PM '61
0 0 0 4 0	Jul 27 7 59 AM '61
0 0 0 4 0	Jul 26 11 59 PM '61
0 0 0 0 2	Jul 26 3 59 PM '61
0 0 0 6 4	Jul 26 7 59 AM '61
0 0 0 1 0	Jul 25 11 59 PM '61
0 0 0 4 0	Jul 25 3 59 PM '61
0 0 0 4 1	Jul 25 7 59 AM '61
0 0 0 3 0	Jul 24 11 59 PM '61
0 0 0 1 1	Jul 24 3 59 PM '61
0 0 0 0 0	Jul 24 7 59 AM '61
~~0 0 4 9 7~~	~~Jul 24 5 17 AM '61~~

0 0 0 0 0 JUL 21 10 36 AM '61

0 0 1 1 0
0 0 2 0 2
0 0 2 3 0
0 0 1 2 1
0 0 0 4 0
0 0 0 5 0

JUL 7 8 00 AM '61
JUL 7 12 00 AM '61
JUL 6 4 00 PM '61
JUL 6 8 00 AM '61
JUL 6 12 00 AM '61
JUL 5 4 00 PM '61
JUL 5 8 00 AM '61
JUL 5 12 00 AM '61

0 0 0 0 1
0 0 0 1 3

Bird Island
Bird Island
Reported on
Wildcat

#4
K1420
"B"
Area
7-3-61

Tot. Act. = 21 NO. SAMPLES = 43
Av. Act. = 0.49 NO. > PAL = 2
% > PAL = 4.7

K-1420
JUL '61

0	0	0	2	5	Jun 32 12 00 AM '61
0	0	0	2	5	Jun 32 4 00 PM '61
0	0	0	5	5	Jun 32 8 00 AM '61
0	0	0	5	0	Jun 32 12 00 AM '61
0	0	0	1	0	Jun 31 4 00 PM '61
0	0	0	6	1	Jun 31 8 00 AM '61

Monitor #5 –
1 #20 Large Equip. - Coc-D-11

0 0 0 4 5	Jul 31 11 57 PM '61
0 0 0 3 6	Jul 31 3 57 PM '61
0 0 0 5 0	Jul 31 7 57 AM '61
0 0 0 3 2	Jul 30 11 57 PM '61
0 0 0 2 7	Jul 30 3 57 PM '61
0 0 0 5 3	Jul 30 7 57 AM '61
0 0 0 2 5	Jul 29 11 57 PM '61
0 0 0 2 8	Jul 29 3 57 PM '61
0 0 0 6 5	Jul 29 7 57 AM '61
0 0 0 4 4	Jul 28 11 57 PM '61
0 0 0 4 5	Jul 28 3 57 PM '61
0 0 0 5 0	Jul 28 7 57 AM '61
0 0 0 2 6	Jul 27 11 57 PM '61
0 0 0 2 9	Jul 27 3 57 PM '61
0 0 0 3 2	Jul 27 7 57 AM '61
0 0 0 1 5	Jul 26 11 57 PM '61
0 0 0 5 9	Jul 26 3 57 PM '61
0 0 0 3 8	Jul 26 7 57 AM '61
0 0 0 4 8	Jul 25 11 57 PM '61
0 0 0 2 1	Jul 25 3 57 PM '61
0 0 0 2 9	Jul 25 7 57 AM '61
0 0 0 1 9	Jul 24 11 57 PM '61
0 0 0 3 1	Jul 24 3 57 PM '61
0 0 0 3 0	Jul 24 7 57 AM '61
0 0 0 2 3	Jul 23 11 57 PM '61
0 0 0 1 9	Jul 23 3 57 PM '61
0 0 0 7 8	Jul 23 7 57 AM '61
0 0 0 1 9	Jul 22 11 57 PM '61
0 0 0 2 4	Jul 22 3 57 PM '61
0 0 0 8 4	Jul 22 7 57 AM '61
0 0 0 3 0	Jul 21 11 57 PM '61
0 0 0 2 7	Jul 21 3 57 PM '61
0 0 0 2 8	Jul 21 7 57 AM '61
0 0 0 1 9	Jul 20 11 57 PM '61
0 0 0 2 3	Jul 20 3 57 PM '61
0 0 0 1 5	Jul 20 7 57 AM '61
0 0 0 1 1	Jul 19 11 57 PM '61

0 0 0 3 0	Jul 21 11 57 PM '61
0 0 0 2 7	Jul 21 3 57 PM '61
0 0 0 2 8	Jul 21 7 57 AM '61
0 0 0 1 9	Jul 20 11 57 PM '61
0 0 0 2 3	Jul 20 3 57 PM '61
0 0 0 1 5	Jul 20 7 57 AM '61
0 0 0 1 1	Jul 19 11 57 PM '61
0 0 0 4 3	Jul 19 3 57 PM '61
0 0 0 4 0	Jul 19 7 57 AM '61
0 0 0 3 5	Jul 18 11 57 PM '61
0 0 0 4 4	Jul 18 3 57 PM '61
0 0 0 1 9	Jul 18 7 57 AM '61
0 0 0 2 2	Jul 17 11 57 PM '61
0 0 0 2 5	Jul 17 3 57 PM '61
0 0 0 2 4	Jul 17 7 57 AM '61
0 0 0 6 8	Jul 16 11 57 PM '61
0 0 0 2 0	Jul 16 3 57 PM '61
0 0 0 1 8	Jul 16 7 57 AM '61
0 0 0 1 9	Jul 15 11 57 PM '61
0 0 0 1 8	Jul 15 3 57 PM '61
0 0 0 2 5	Jul 15 7 57 AM '61
0 0 0 1 8	Jul 14 11 57 PM '61
0 0 0 3 2	Jul 14 3 57 PM '61
0 0 0 2 5	Jul 14 7 57 AM '61
0 0 0 3 3	Jul 13 11 57 PM '61
0 0 0 4 0	Jul 13 3 57 PM '61
0 0 0 2 5	Jul 13 7 57 AM '61
0 0 0 2 9	Jul 12 11 57 PM '61
0 0 0 3 7	Jul 12 3 57 PM '61
0 0 0 7 1	Jul 12 7 57 AM '61
0 0 0 6 9	Jul 11 11 57 PM '61
0 0 0 6 8	Jul 11 3 57 PM '61
0 0 0 6 6	Jul 11 7 57 AM '61
0 0 1 8 8	Jul 10 11 57 PM '61
0 0 0 8 3	Jul 10 3 57 PM '61

Les = 92
FL = 0
L = 0

11 58 PM '61
3 58 PM '61
7 58 AM '61
11 58 PM '61

0 0 0 6 8	Jul 11 3 57 PM '61
0 0 0 6 6	Jul 11 7 57 AM '61
0 0 1 8 8	Jul 10 11 57 PM '61
0 0 0 8 3	Jul 10 3 57 PM '61
0 0 0 3 8	Jul 9 11 58 PM '61
0 0 0 1 7	Jul 9 3 58 PM '61
0 0 0 5 0	Jul 9 7 58 AM '61
0 0 0 3 6	Jul 8 11 58 PM '61
0 0 0 2 7	Jul 8 3 58 PM '61
0 0 1 1 2	Jul 8 7 58 AM '61
0 0 0 3 5	Jul 7 11 58 PM '61
0 0 0 2 8	Jul 7 3 58 PM '61
0 0 0 3 4	Jul 7 7 58 AM '61
0 0 0 3 3	Jul 6 11 58 PM '61
0 0 0 6 1	Jul 6 3 58 PM '61
0 0 0 7 5	Jul 6 7 58 AM '61
0 0 1 2 6	Jul 5 11 58 PM '61
0 0 0 6 3	Jul 5 3 58 PM '61
0 0 0 8 2	Jul 5 7 58 AM '61
0 0 0 3 6	Jul 4 11 58 PM '61
0 0 0 2 4	Jul 4 3 58 PM '61
0 0 0 6 5	Jul 4 7 58 AM '61
0 0 0 2 9	Jul 3 11 58 PM '61
0 0 0 5 1	Jul 3 3 58 PM '61
0 0 0 4 7	Jul 3 7 58 AM '61

Power off 12 Noon
9 AM 7/11

Jeff removed
7/3/61

TOT. ACT. = 37 NO. SAMPLES = 92
AV. ACT. = 0.40 NO. > PAL = 0
% > PAL = 0

K-1420 L.E.
JUL '61

0 0 0 2 7	Jul 32	11 58 PM '61
0 0 0 2 5	Jul 32	3 58 PM '61
0 0 0 4 1	Jul 32	7 58 PM '61
0 0 0 3 5	Jul 31	11 58 PM '61
0 0 0 3 5	Jul 31	3 58 PM '61
0 0 0 1 3	Jul 31	7 58 PM '61

#4 Samonton
K-14 r o Bedy
"B" Area
at
Calumet

0	0	0	2	0	Aug 31	11 58 PM '61
0	0	0	3	1	Aug 31	3 58 PM '61
0	0	2	0	3	Aug 31	7 58 AM '61
0	0	1	1	2	Aug 30	11 58 PM '61
0	0	0	1	4	Aug 30	3 58 PM '61
0	0	1	0	4	Aug 30	7 58 AM '61
0	0	0	1	3	Aug 29	11 58 PM '61
0	0	0	1	1	Aug 29	3 58 PM '61
0	0	0	1	1	Aug 29	7 58 AM '61
0	0	0	0	1	Aug 28	11 58 PM '61
0	0	0	0	0	Aug 28	3 58 PM '61
0	0	0	3	0	Aug 28	7 58 AM '61
0	0	0	3	0	Aug 27	11 58 PM '61
0	0	0	1	0	Aug 27	3 58 PM '61
0	0	0	5	0	Aug 27	7 58 AM '61
0	0	0	3	4	Aug 26	11 58 PM '61
0	0	0	1	3	Aug 26	3 58 PM '61
0	0	0	4	0	Aug 26	7 58 AM '61
0	0	1	3	3	Aug 25	11 58 PM '61
0	0	0	1	0	Aug 25	3 58 PM '61
0	0	0	1	3	Aug 25	7 58 AM '61
0	1	0	0	0	Aug 24	11 58 PM '61
0	0	0	2	0	Aug 24	3 58 PM '61
0	0	4	0	1	Aug 24	7 58 AM '61
0	0	5	0	3	Aug 23	11 58 PM '61
0	0	1	0	3	Aug 23	3 58 PM '61
0	0	0	1	1	Aug 23	7 58 AM '61
0	0	0	3	0	Aug 22	11 58 PM '61
0	0	0	1	1	Aug 22	3 58 PM '61
					Aug 22	7 58 AM '61

-666-

0	0	7	6	3	Aug 23	3 58 PM '61
0	0	0	1	1	Aug 23	7 58 AM '61
0	0	0	3	0	Aug 22	11 58 PM '61
0	0	0	1	1	Aug 22	3 58 PM '61
0	0	0	2	0	Aug 22	7 58 AM '61
0	0	0	4	0	Aug 21	11 58 PM '61
0	0	0	9	0	Aug 21	3 58 PM '61
0	0	0	9	0	Aug 21	7 58 AM '61
0	0	0	4	1	Aug 20	11 58 PM '61
0	0	0	4	0	Aug 20	3 58 PM '61
0	0	1	1	0	Aug 20	7 58 AM '61
0	0	0	6	0	Aug 19	11 58 PM '61
0	0	0	1	0	Aug 19	3 58 PM '61
0	0	0	2	4	Aug 19	7 58 AM '61
0	0	0	1	0	Aug 18	11 58 PM '61
0	0	1	3	4	Aug 18	3 58 PM '61
0	0	0	1	1	Aug 18	7 58 AM '61
0	0	0	5	0	Aug 17	11 58 PM '61
0	0	1	1	0	Aug 17	3 58 PM '61
0	0	0	9	1	Aug 17	7 58 AM '61
0	0	6	0	0	Aug 16	11 58 PM '61
0	0	1	9	9	Aug 16	3 58 PM '61
0	0	0	6	3	Aug 16	7 58 AM '61
0	0	1	1	0	Aug 15	11 58 PM '61
0	0	1	4	0	Aug 15	3 58 PM '61
0	0	0	1	0	Aug 15	7 58 AM '61

Corrected time

0	0	1	3	0	Aug 14	10 59 PM '61
0	0	1	1	0	Aug 14	2 59 PM '61
0	0	0	2	0	Aug 14	6 59 AM '61
0	0	0	2	4	Aug 13	10 59 PM '61
0	0	0	9	0	Aug 13	2 59 PM '61
0	0	0	2	4	Aug 13	6 59 AM '61
0	0	0	2	4	Aug 12	10 59 PM '61
0	0	1	6	3	Aug 12	2 59 PM '61
0	0	0	4	0	Aug 12	6 59 AM '61
0	0	0	3	0	Aug 11	10 59 PM '61
0	0	0	2	1	Aug 11	2 59 PM '61
0	0	0	1	0	Aug 11	7 57 AM '61

0	0	1	0	0	Aug 12 6 59 AM '61
0	0	0	4	0	Aug 11 10 59 PM '61
0	0	0	3	0	Aug 11 2 59 PM '61
0	0	0	2	1	Aug 11 7 57 AM '61
0	0	0	1	0	Aug 10 11 59 PM '61
0	0	0	1	0	Aug 10 3 59 PM '61
0	0	0	1	0	Aug 10 7 59 AM '61
0	0	0	0	0	Aug 9 11 59 PM '61
0	0	0	0	0	Aug 9 3 59 PM '61
0	0	0	0	0	Aug 9 7 59 AM '61
0	0	0	2	0	Aug 8 11 59 PM '61
0	0	0	0	1	Aug 8 3 59 PM '61
0	0	0	4	0	Aug 8 7 59 AM '61
0	0	0	0	0	Aug 7 11 59 PM '61
0	0	0	4	0	Aug 7 3 59 PM '61
0	0	0	0	4	Aug 7 7 59 AM '61
0	0	0	6	4	Aug 6 11 59 PM '61
0	0	0	0	0	Aug 6 3 59 PM '61
0	0	0	2	0	Aug 6 7 59 AM '61
0	0	1	0	4	Aug 5 11 59 PM '61
0	0	0	0	0	Aug 5 3 59 PM '61
0	0	0	1	0	Aug 5 7 59 AM '61
0	0	1	0	0	Aug 4 11 59 PM '61
0	0	0	0	0	Aug 4 3 59 PM '61
0	0	1	1	0	Aug 4 7 59 AM '61
0	0	0	0	0	Aug 3 11 59 PM '61
0	0	0	0	0	Aug 3 3 59 PM '61
0	0	1	4	0	

0	0	0	4	0	Aug 3 7 59 AM '61
0	0	0	3	4	Aug 2 11 59 PM '61
0	0	0	4	1	Aug 2 3 59 PM '61
0	0	2	7	0	Aug 2 7 59 AM '61
0	0	1	2	1	Aug 1 11 59 PM '61
0	0	1	0	2	Aug 1 3 59 PM '61
					Aug 1 7 59 AM '61

-668-

0 0 0 4 0	AUG 3 7 59 AM '61
0 0 0 3 4	AUG 2 11 59 PM '61
0 0 0 4 1	AUG 2 3 59 PM '61
0 0 2 1 0	AUG 2 7 59 AM '61
0 0 1 2 1	AUG 1 11 59 PM '61
0 0 1 0 2	AUG 1 3 59 PM '61
0 0 1 1 0	AUG 1 7 59 AM '61

Tot Act. = 92 No Sample = 94
Av. A.T = 0.99 No. > PAL = 7
% > PAL = 7.4

K 1420
AUG 61

#17 Smoke ok
K14 70 Bldg
OHW Area

0 0 0 5 0	Aug 31	11 55 PM '61
0 0 2 5 8	Aug 31	3 55 PM '61
0 0 0 7 9	Aug 31	7 55 AM '61
0 0 0 6 5	Aug 30	11 55 PM '61
0 0 0 7 1	Aug 30	3 55 PM '61
0 0 0 6 0	Aug 30	7 55 AM '61
0 0 0 8 8	Aug 29	11 55 PM '61
0 0 0 6 1	Aug 29	3 55 PM '61
0 0 0 6 4	Aug 29	7 55 AM '61
0 0 0 5 3	Aug 28	11 55 PM '61
0 0 0 8 0	Aug 28	3 55 PM '61
0 0 0 5 2	Aug 28	7 55 AM '61
0 0 0 1 3	Aug 27	11 55 PM '61
0 0 0 1 0	Aug 27	3 55 PM '61
0 0 0 2 1	Aug 27	7 55 AM '61
0 0 0 1 3	Aug 26	11 55 PM '61
0 0 0 1 0	Aug 26	3 55 PM '61
0 0 0 1 6	Aug 26	7 55 AM '61
0 0 1 2 5	Aug 25	11 55 PM '61
0 0 1 9 2	Aug 25	3 55 PM '61
0 0 0 4 1	Aug 25	7 55 AM '61
0 0 2 2 9	Aug 24	11 55 PM '61
0 0 2 5 8	Aug 24	3 55 PM '61
0 0 1 8 0	Aug 24	7 55 AM '61
0 0 0 4 8	Aug 23	11 55 PM '61
0 0 0 8 2	Aug 23	3 55 PM '61
0 0 0 8 3	Aug 23	7 55 AM '61
0 0 0 0 0	Aug 22	11 55 PM '61
0 0 1 0 3	Aug 22	3 55 PM '61
0 0 2 9 5	Aug 22	7 55 AM '61

-670-

0 0 0 8 3	Aug 23 7 55 AM '61
0 0 6 0 0	Aug 22 11 55 PM '61
0 0 1 0 3	Aug 22 3 55 PM '61
0 0 2 9 5	Aug 22 7 55 AM '61
0 0 6 4 3	Aug 21 11 55 PM '61
0 0 0 3 8	Aug 21 3 55 PM '61
0 0 1 1 2	Aug 21 7 55 AM '61
0 0 0 1 0	Aug 20 11 55 PM '61
0 0 0 2 5	Aug 20 3 55 PM '61
0 0 0 3 1	Aug 20 7 55 AM '61
0 0 0 1 9	Aug 19 11 55 PM '61
0 0 0 1 1	Aug 19 3 55 PM '61
0 0 0 1 8	Aug 19 7 55 AM '61
0 0 6 9 8	Aug 18 11 55 PM '61
0 0 0 4 9	Aug 18 3 55 PM '61
0 0 0 5 6	Aug 18 7 55 AM '61
0 0 0 8 2	Aug 17 11 55 PM '61
0 0 0 3 7	Aug 17 3 55 PM '61
0 0 0 7 1	Aug 17 7 55 AM '61
0 0 0 6 4	Aug 16 11 55 PM '61
0 0 0 3 3	Aug 16 3 55 PM '61
0 0 0 3 2	Aug 16 7 55 AM '61
0 0 0 3 2	Aug 15 11 55 PM '61
0 0 0 2 0	Aug 15 3 55 PM '61
0 0 0 3 8	Aug 15 7 55 AM '61
0 0 0 5 3	Aug 14 11 55 PM '61
0 0 0 1 3	Aug 14 3 55 PM '61
0 0 0 0 9	Aug 14 7 55 AM '61
0 0 0 1 1	Aug 13 11 55 PM '61
0 0 0 0 6	Aug 13 3 55 PM '61
0 0 0 0 9	Aug 13 7 55 AM '61
0 0 0 0 7	Aug 12 11 55 PM '61
0 0 0 0 9	Aug 12 3 55 PM '61
0 0 0 1 6	Aug 12 7 55 AM '61
0 0 0 1 5	Aug 11 11 55 PM '61
0 0 0 2 7	Aug 11 3 55 PM '61
0 0 0 4 3	Aug 11 7 55 AM '61
0 0 0 2 6	Aug 10 11 55 PM '61
0 0 0 3 4	Aug 10 3 55 PM '61
0 0 0 4 5	Aug 10 7 55 AM '61

New Scaler 8/16/61

0 0 0 1 5	Aug 11 11 55 PM '61
0 0 0 2 7	Aug 11 3 55 PM '61
0 0 0 4 3	Aug 11 7 55 AM '61
0 0 0 2 6	Aug 10 11 55 PM '61
0 0 0 3 4	Aug 10 3 55 PM '61
0 0 0 4 5	Aug 10 7 55 AM '61
0 0 0 3 1	Aug 9 11 55 PM '61
0 0 0 1 7	Aug 9 3 55 PM '61
0 0 0 1 6	Aug 9 7 55 AM '61
0 0 0 5 1	Aug 8 11 55 PM '61
0 0 0 3 1	Aug 8 3 55 PM '61
0 0 0 2 7	Aug 8 7 55 AM '61
0 0 0 2 0	Aug 7 10 55 PM '61
0 0 0 4 3	Aug 7 2 55 PM '61
0 0 0 0 0	Aug 7 8 44 AM '61
	Aug [illegible] 11 53 AM '61
0 0 0 0 0	Aug 3 7 58 AM '61
0 0 0 0 0	Aug 3 7 55 AM '61
0 0 0 0 0	Aug 3 7 55 AM '61
0 0 0 0 0	Aug 3 7 55 AM '61
0 0 0 0 9	Aug 3 7 54 AM '61
0 0 0 0 0	Aug 3 7 52 AM '61
0 0 0 3 1	Aug 3 7 52 AM '61
0 0 0 0 0	Aug 2 11 58 PM '61
0 0 0 0 0	Aug 2 3 58 PM '61
0 0 0 0 0	Aug 2 7 58 AM '61
0 0 0 4 6	Aug 1 11 58 PM '61
0 0 0 5 8	Aug 1 3 58 PM '61
0 0 0 0 0	Aug 1 8 26 AM '61
0 0 0 0 0	[illegible] 1 8 25 AM '61
0 0 0 0 0	[illegible] 1 8 25 AM '61

Aug 8 Aug 8/7/61 Cancelled

0	0	0	0	0	AUG	3	7	55	AM '61
0	0	0	0	0	AUG	3	7	55	AM '61
0	0	0	0	0	AUG	3	7	55	AM '61
0	0	0	0	0	AUG	3	7	54	AM '61
0	0	0	0	0	AUG	3	7	52	AM '61
0	0	0	3	1	AUG	3	7	52	AM '61
0	0	0	0	0	AUG	2	11	58	PM '61
0	0	0	0	0	AUG	2	3	58	PM '61
0	0	0	0	0	AUG	2	7	58	AM '61
0	0	0	4	6	AUG	1	11	58	PM '61
0	0	0	5	8	AUG	1	3	58	PM '61
0	0	0	0	0	AUG	1	8	26	AM '61
0	0	0	0	0	[illegible]	1	8	25	AM '61
0	0	0	0	0	[illegible]	1	8	25	AM '61

Hanford Works
Reference #1
19-1-8

TOT. ACT. = 61 NO. SAMPLES = 81
AV. ACT. = 0.75 NO. > PAL = 6
% > PAL = 7.4

K-1420
AUG 61

OK
JE
9-5-61

#5 Sorbentin
K-14-70 Bldg -
Large Equip Col D-4

00012	22 12 01 AM '61
00015	21 4 00 PM '61
00051	21 8 01 AM '61
00039	21 12 00 AM '61
00083	20 4 01 PM '61
00060	20 8 00 AM '61
00017	20 12 00 AM '61
00186	29 4 00 PM '61
00065	29 8 00 AM '61
00032	29 12 00 AM '61
00021	Aug 28 4 00 PM '61
00031	28 8 00 AM '61
00033	28 12 00 AM '61
00033	27 4 00 PM '61
00044	27 8 00 AM '61
00031	Aug 27 12 00 AM '61
00027	26 4 00 PM '61
00033	26 8 00 AM '61
00023	26 12 00 AM '61
00025	Aug 25 4 00 PM '61
00027	25 8 00 AM '61
00021	25 12 00 AM '61
00032	24 4 00 PM '61
00018	24 8 00 AM '61
00026	Aug 24 12 00 AM '61
00049	Aug 23 4 00 PM '61
00047	23 8 00 AM '61
00031	Aug 23 12 00 AM '61
00041	Aug 22 4 00 PM '61
00050	22 8 00 AM '61
00031	22 12 00 AM '61
00039	21 4 00 PM '61
	21 8 00 AM '61

0 0 0 4 1	Aug 22 4 00 PM '61
0 0 0 5 0	[illegible] 8 00 PM '61
0 0 0 3 1	[illegible] 12 00 PM '61
0 0 0 3 9	[illegible] 21 4 00 PM '61
0 0 0 2 6	[illegible] 21 8 00 AM '61
0 0 0 2 2	[illegible] 21 12 00 AM '61
0 0 0 3 7	Aug 20 4 00 PM '61
0 0 0 7 0	[illegible] 20 8 00 AM '61
0 0 0 4 0	Aug 20 12 00 AM '61
0 0 0 4 4	[illegible] 19 4 00 PM '61
0 0 0 3 0	[illegible] 19 8 00 AM '61
0 0 0 2 7	[illegible] 19 12 00 AM '61
0 0 0 5 8	[illegible] 18 4 00 PM '61
0 0 0 5 0	[illegible] 18 8 00 AM '61
0 0 0 3 0	[illegible] 18 12 00 AM '61
0 0 0 3 1	[illegible] 17 4 00 PM '61
0 0 0 6 6	[illegible] 17 8 00 AM '61
0 0 0 4 8	[illegible] 17 12 00 AM '61
0 0 0 3 9	[illegible] 16 4 00 PM '61
0 0 0 6 0	[illegible] 16 8 00 AM '61
0 0 0 3 1	Aug 16 12 00 AM '61
0 0 1 0 0	[illegible] 15 4 00 PM '61
0 0 0 7 4	Aug 15 8 00 AM '61
0 0 0 7 7	Aug 15 12 00 AM '61
0 0 0 2 3	Aug 14 4 00 PM '61
0 0 0 2 0	[illegible] 14 8 00 AM '61
0 0 0 2 9	[illegible] 14 12 00 AM '61
0 0 0 3 0	Aug 13 4 00 PM '61
0 0 0 2 3	Aug 13 8 00 AM '61
0 0 0 2 1	[illegible] 13 12 00 AM '61
0 0 0 2 6	Aug 12 4 00 PM '61
0 0 0 4 6	[illegible] 12 8 00 AM '61
0 0 0 2 1	[illegible] 12 12 00 AM '61
0 0 0 3 0	Aug 11 4 00 PM '61
0 0 0 3 2	[illegible] 11 8 00 AM '61
0 0 0 2 0	Aug 11 12 00 AM '61
0 0 0 4 6	[illegible] 10 4 00 PM '61

0 0 0 3 2	Aug 11 8 00 AM '61
0 0 0 2 0	Aug 11 12 00 AM '61
0 0 0 4 6	Aug 10 4 00 PM '61
0 0 0 1 6	Aug 10 8 00 AM '61
0 0 0 1 7	Aug 10 12 00 AM '61
0 0 0 3 4	Aug 9 4 00 PM '61
0 0 0 1 7	Aug 9 8 00 AM '61
0 0 0 1 2	Aug 9 12 00 AM '61
0 0 0 5 5	Aug 8 4 00 PM '61
0 0 0 3 1	Aug 8 8 00 AM '61
0 0 0 1 8	Aug 8 12 00 AM '61
0 0 0 4 6	Aug 7 4 00 PM '61
0 0 0 4 1	Aug 7 7 50 AM '61
0 0 0 4 2	Aug 6 11 50 PM '61
0 0 0 0 0	Aug 6 3 50 PM '61
0 0 0 0 0	Aug 6 7 50 AM '61
0 0 0 2 8	Aug 5 11 50 PM '61
0 0 0 2 5	Aug 5 3 50 PM '61
0 0 0 5 7	Aug 5 7 50 AM '61
0 0 0 1 8	Aug 4 11 50 PM '61
~~0 0 0 0 3~~	~~Aug 4 3 50 PM '61~~
~~0 0 0 7 4~~	~~Aug 4 10 42 AM '61~~
0 0 1 1 7	Aug 3 7 50 AM '61
0 0 0 3 4	Aug 2 11 51 PM '61
0 0 0 9 7	Aug 2 3 51 PM '61
0 0 1 8 6	Aug 2 7 51 AM '61
0 0 0 6 9	Aug 1 11 57 PM '61
0 0 0 4 1	Aug 1 3 57 PM '61
0 0 0 5 7	Aug 1 7 57 AM '61

19-1-8

[illegible] 57 [illegible] 57

[illegible] 1.42 [illegible] 0

% > [illegible] 0

K-1420 L E.

AUG 61

#18 monitors
K-1420 Bldg-
"E" Area - A-5

0 0 0 4 2	Aug 31 11 58 PM '61
0 0 0 3 3	Aug 31 3 58 PM '61
~~0 0 0 3 3~~	~~Aug 31 10 03 AM '61~~
0 0 0 6 3	Aug 31 12 05 AM '61
0 0 1 8 1	Aug 30 4 05 PM '61
0 0 0 3 3	Aug 30 8 05 AM '61
0 0 0 3 1	Aug 30 12 05 AM '61
0 0 0 4 5	Aug 29 4 05 PM '61
0 0 0 4 3	Aug 29 8 05 AM '61
0 0 0 2 4	Aug 29 12 05 AM '61
0 0 0 5 7	Aug 28 4 05 PM '61
0 0 0 3 2	Aug 28 8 05 AM '61
0 0 0 2 1	Aug 28 12 05 AM '61
0 0 0 1 8	Aug 27 4 05 PM '61
0 0 0 2 7	Aug 27 8 05 AM '61
0 0 0 2 0	Aug 27 12 05 AM '61
0 0 0 1 9	Aug 26 4 05 PM '61
0 0 0 2 2	Aug 26 8 05 AM '61
0 0 0 1 9	Aug 26 12 05 AM '61
0 0 0 6 2	Aug 25 4 05 PM '61
0 0 0 1 7	Aug 25 8 05 AM '61
0 0 0 2 7	Aug 25 12 05 AM '61
0 0 0 7 1	Aug 24 4 05 PM '61
0 0 0 1 7	Aug 24 8 05 AM '61
0 0 0 1 8	Aug 24 12 05 AM '61
0 0 1 8 3	Aug 23 4 05 PM '61
0 0 0 3 4	Aug 23 8 05 AM '61
0 0 0 3 6	Aug 23 12 05 AM '61

Reviewed by NRP 8/31/61

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0 0 0 1 8	Aug 24 12 05 AM '61
0 0 1 8 3	Aug 23 4 05 PM '61
0 0 0 3 4	Aug 23 8 05 AM '61
0 0 0 3 6	Aug 23 12 05 AM '61
0 0 1 4 5	Aug 22 4 05 PM '61
0 0 0 2 9	Aug 22 8 05 AM '61
0 0 0 1 8	Aug 22 12 05 AM '61
0 0 0 1 8	Aug 21 4 05 PM '61
0 0 0 1 8	Aug 21 8 05 AM '61
0 0 0 1 6	Aug 21 12 05 AM '61
0 0 0 2 5	Aug 20 4 05 PM '61
0 0 0 4 1	Aug 20 8 05 AM '61
0 0 0 2 9	Aug 20 12 05 AM '61
0 0 0 2 6	Aug 19 4 05 PM '61
0 0 0 2 5	Aug 19 8 05 AM '61
0 0 0 2 7	Aug 19 12 05 AM '61
0 0 2 5 5	Aug 18 4 05 PM '61
0 0 0 9 4	Aug 18 8 04 AM '61
0 0 0 7 3	Aug 18 12 05 AM '61
0 0 0 4 5	Aug 17 4 05 PM '61
0 0 0 4 2	Aug 17 8 05 AM '61
0 0 0 3 2	Aug 17 12 05 AM '61
0 0 0 3 9	Aug 16 4 05 PM '61
0 0 0 4 0	Aug 16 8 05 AM '61
0 0 1 5 6	Aug 16 12 05 AM '61
0 0 2 2 7	Aug 15 4 05 PM '61
0 0 0 4 3	Aug 15 8 05 AM '61
0 0 0 3 1	Aug 15 12 05 AM '61
0 0 0 2 2	Aug 14 4 05 PM '61
0 0 0 2 5	Aug 14 8 05 AM '61
0 0 0 2 5	Aug 14 12 05 AM '61
0 0 0 2 6	Aug 13 4 05 PM '61
0 0 0 2 5	Aug 13 8 05 AM '61
0 0 0 2 2	Aug 13 12 05 AM '61
0 0 0 2 3	Aug 12 4 05 PM '61
0 0 0 3 4	Aug 12 8 05 AM '61
0 0 0 4 8	Aug 12 12 05 AM '61
0 0 2 6 0	Aug 11 4 05 PM '61
0 0 0 2 8	Aug 11 8 05 AM '61

new roll filter paper 8/21/61

0 0 0 4 6	Aug 12 12 05 AM '61
0 0 2 6 0	Aug 11 4 05 PM '61
0 0 0 2 8	Aug 11 8 05 AM '61
0 0 0 3 7	Aug 11 12 05 AM '61
0 0 0 7 1	Aug 10 4 05 PM '61
0 0 0 2 0	Aug 10 8 05 AM '61
0 0 0 1 6	Aug 10 12 05 AM '61
0 0 0 2 9	Aug 9 4 05 PM '61
0 0 0 2 3	Aug 9 8 05 AM '61
0 0 0 2 5	Aug 9 12 05 AM '61
0 0 1 7 3	Aug 8 4 05 PM '61
0 0 0 2 3	Aug 8 8 05 AM '61
0 0 0 2 1	Aug 8 12 05 AM '61
0 0 1 2 8	Aug 7 4 05 PM '61
0 0 0 2 7	Aug 7 8 05 AM '61
0 0 0 1 7	Aug 7 12 05 AM '61
0 0 0 1 9	Aug 6 4 05 PM '61
0 0 0 3 4	Aug 6 8 05 AM '61
0 0 0 2 6	Aug 6 12 05 AM '61
0 0 0 2 6	Aug 5 4 05 PM '61
0 0 2 5 9	Aug 5 8 05 AM '61
0 0 0 2 6	Aug 5 12 05 AM '61
0 0 3 4 6	Aug 4 4 05 PM '61
0 0 4 1 9	Aug 4 8 05 AM '61
0 0 0 2 1	Aug 4 12 05 AM '61
0 0 0 5 2	Aug 3 4 05 PM '61
0 0 0 4 7	Aug 3 8 05 AM '61
0 0 0 3 3	Aug 3 12 05 AM '61
0 0 0 6 9	Aug 2 4 05 PM '61
0 0 0 4 9	Aug 2 8 05 AM '61
0 0 0 7 4	Aug 2 12 05 AM '61
0 0 6 7 4	Aug 1 4 05 PM '61
0 0 0 3 3	Aug 1 8 05 AM '61

14/70
Ulz-11Aug
#18 Sample
19-1-8

Tot Act = 62 no. samples = 92
Av Act = 0.67 no > PAL = 7
% > PAL = 7.6

K-1420
AUG '61

ALL K-1420
AUG. 1961

TOT. ACT. = 253 no. samples = 354
Av. Act. = 0.71 no. > PAL = 20
% > PAL = 5.4

0 0 0 2 5	AUG 14 12 05 AM '61
0 0 0 2 6	AUG 13 4 05 PM '61
0 0 0 2 5	AUG 13 8 05 AM '61
0 0 0 2 2	AUG 13 12 05 AM '61
0 0 0 2 3	AUG 12 4 05 PM '61
0 0 0 3 4	AUG 12 8 05 AM '61

~~0~~	~~0~~	~~0~~	~~0~~	~~2~~	~~H4~~	~~SEP 30~~	~~9~~	~~32 PM '61~~
~~0~~	~~0~~	~~0~~	~~0~~	~~1~~	~~[illegible]~~	~~SEP 30~~	~~1~~	~~32 PM '61~~
~~0~~	~~0~~	~~0~~	~~0~~	~~1~~	~~Pulse~~	~~SEP 30~~	~~5~~	~~32 AM '61~~
~~0~~	~~0~~	~~0~~	~~0~~	~~1~~	~~[illegible]~~	~~SEP 29~~	~~9~~	~~32 PM '61~~
0	0	0	4	0	Cre-AH-13	SEP 29	1	32 PM '61
~~0~~	~~0~~	~~0~~	~~0~~	~~1~~	~~High Voltage off~~	~~SEP 29~~	~~5~~	~~32 AM '61~~
~~0~~	~~0~~	~~0~~	~~0~~	~~1~~	~~[illegible]~~	~~SEP 28~~	~~9~~	~~32 PM '61~~
~~0~~	~~0~~	~~0~~	~~0~~	~~1~~		~~SEP 28~~	~~1~~	~~32 PM '61~~

00069	Sep 28 7 58 AM '61
00097	Sep 27 11 58 PM '61
00041	Sep 27 3 58 PM '61
00074	Sep 27 7 58 AM '61
00107	Sep 26 11 58 PM '61
00070	Sep 26 3 58 PM '61
00066	Sep 26 7 58 AM '61
00044	Sep 25 11 58 PM '61
00023	Sep 25 3 58 PM '61
00030	Sep 25 7 58 AM '61
00056	Sep 24 11 58 PM '61
00029	Sep 24 3 58 PM '61
00058	Sep 24 7 58 AM '61
00212	Sep 23 11 58 PM '61
00026	Sep 23 3 58 PM '61
00094	Sep 23 7 58 AM '61
00135	Sep 22 11 58 PM '61
00097	Sep 22 3 58 PM '61

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0 0 2 1 2	Sep 23 11 58 PM '61
0 0 0 2 6	Sep 23 3 58 PM '61
0 0 0 9 4	Sep 23 7 58 AM '61
0 0 1 3 5	Sep 22 11 58 PM '61
0 0 0 9 7	Sep 22 3 58 PM '61
0 0 3 4 0	Sep 22 7 58 AM '61
0 0 4 6 7	Sep 21 11 58 PM '61
0 0 1 8 1	Sep 21 3 58 PM '61
0 0 1 0 5	Sep 21 7 58 AM '61
0 0 0 4 4	Sep 20 11 58 PM '61
0 0 0 6 3	Sep 20 3 58 PM '61
0 0 0 3 2	Sep 20 7 58 AM '61
0 0 0 5 1	Sep 19 11 58 PM '61
0 0 0 2 2	Sep 19 3 58 PM '61
0 0 0 4 6	Sep 19 7 58 AM '61
0 0 0 2 3	Sep 18 11 58 PM '61
0 0 0 2 3	Sep 18 3 58 PM '61
0 0 0 6 4	Sep 18 7 58 AM '61
0 0 0 4 6	Sep 17 11 58 PM '61
0 0 0 5 9	Sep 17 3 58 PM '61
0 0 0 6 9	Sep 17 7 58 AM '61
0 0 0 3 0	Sep 16 11 58 PM '61
0 0 0 2 0	Sep 16 3 58 PM '61
0 0 1 4 3	Sep 16 7 58 AM '61
0 0 0 2 8	Sep 15 11 58 PM '61
0 0 0 1 2	Sep 15 3 58 PM '61
0 0 0 2 0	Sep 15 7 58 AM '61
0 0 0 1 3	Sep 15 11 58 AM '61
0 0 0 1 7	Sep 15 3 58 AM '61
0 0 0 2 5	Sep 14 7 58 PM '61
0 0 0 1 9	Sep 14 11 58 AM '61
0 0 0 1 9	Sep 14 3 58 AM '61
0 0 0 3 0	Sep 13 7 58 PM '61
0 0 0 3 6	Sep 13 3 58 AM '61
0 0 0 2 4	Sep 12 11 58 AM '61
0 0 0 1 1	Sep 12 3 58 AM '61
~~0 0 0 0 2~~	~~Sep 11 7 59 PM '61~~
~~0 0 0 0 9~~	~~Sep 11 4 36 PM '61~~
~~0 0 0 0 1~~	~~Sep 8 4 00 PM '61~~

-684-

0 0 0 2 4	Sep 12 11 58 AM '61
0 0 0 1 1	Sep 12 3 58 AM '61
~~0 0 0 0 2~~	~~Sep 11 7 59 PM '61~~
~~0 0 0 0 9~~	~~Sep 11 4 36 PM '61~~
~~0 0 0 0 1~~	~~Sep 8 4 00 PM '61~~
0 0 0 2 0	Sep 7 7 29 AM '61

Time correction

0 0 0 0 9	Sep 7 3 58 PM '61
0 0 0 0 1	Sep 7 7 58 AM '61
0 0 0 1 2	Sep 6 11 58 PM '61
0 0 0 0 7	Sep 6 3 58 PM '61
0 2 3 0 7	Sep 6 7 58 AM '61
0 3 8 9 0	Sep 5 11 58 PM '61
0 1 8 9 6	Sep 5 3 58 PM '61
0 0 0 3 3	Sep 5 7 58 AM '61
0 0 0 1 9	Sep 4 11 58 PM '61
0 0 0 1 5	Sep 4 3 58 PM '61
0 0 0 3 8	Sep 4 7 58 AM '61
0 0 0 1 6	Sep 3 11 58 PM '61
0 0 0 1 2	Sep 3 3 58 PM '61
0 0 0 1 7	Sep 3 7 58 AM '61
0 0 0 1 9	Sep 2 11 58 PM '61
0 0 0 1 1	Sep 2 3 58 PM '61
0 0 0 3 2	Sep 2 7 58 AM '61
0 0 0 1 6	Sep 11 11 58 PM '61
0 0 0 2 9	Sep 1 3 58 PM '61
0 0 0 6 7	Sep 1 7 58 AM '61

Time correction
Driver must have been off and rested

no high water
No pulse

-685-

TOT ACT. = 119 NO. SAMPLES = 71
AV ACT = 1.7 NO. > PAL = 6
% > PAL = 8.5

K-1420
Sep '61

ALL K-1420
SEPT. 1961

TOT. ACT. = 261 NO. SAMPLES = 276
AV. ACT. = 0.95 NO. > PAL = 24
% > PAL = 8.7

0 0 0 1 6	Sep 31	12 28 AM '61
0 0 0 1 6	Sep 30	4 28 PM '61
0 0 0 4 2	Sep 30	8 28 AM '61
0 0 0 2 8	Sep 30	12 27 AM '61
0 0 2 4 8	Sep 29	4 28 PM '61
0 0 4 3 4	Sep 29	7 56 AM '61
0 0 0 3 3	Sep 28	11 59 PM '61
0 0 3 4 2	Sep 28	3 59 PM '61
0 0 0 6 9	Sep 28	7 59 AM '61
0 0 0 3 1	Sep 27	11 59 PM '61
0 0 2 4 6	Sep 27	3 59 PM '61
0 0 0 4 5	Sep 27	7 59 AM '61
0 0 0 3 4	Sep 26	11 59 PM '61
0 0 1 3 4	Sep 26	3 59 PM '61
0 0 0 1 2	Sep 26	7 59 AM '61
0 0 0 1 7	Sep 25	11 59 PM '61
0 0 4 1 2	Sep 25	3 59 PM '61
0 0 0 3 8	Sep 25	7 59 AM '61
0 0 0 2 4	Sep 24	11 59 PM '61
0 0 0 1 5	Sep 24	3 59 PM '61
0 0 0 3 8	Sep 24	7 59 AM '61
0 0 0 2 2	Sep 23	11 59 PM '61
0 0 0 1 4	Sep 23	3 59 PM '61
0 0 0 3 6	Sep 23	7 59 AM '61
0 0 0 2 4	Sep 22	11 59 PM '61
0 0 0 2 6	Sep 22	3 59 PM '61
0 0 0 3 7	Sep 22	7 59 AM '61
0 0 0 2 2	Sep 21	11 59 PM '61
0 0 0 3 2	Sep 21	3 59 PM '61
0 0 0 6 8	Sep 21	8 00 AM '61
~~0 0 0 0 1~~	~~Sep 21~~	~~6 06 AM '61~~
~~0 0 0 0 0~~	~~Sep 18~~	~~4 53 AM '61~~
~~0 0 0 0 0~~	~~Sep 18~~	~~4 53 AM '61~~
~~0 0 0 0 4~~		
0 0 0 0 8	Sep 18	12 00 AM '61
0 0 0 0 6	Sep 17	4 00 PM '61
0 0 0 0 8	Sep 17	8 00 AM '61
0 0 0 0 7	Sep 17	12 00 AM '61
0 0 0 0 7	Sep 16	4 00 PM '61
0 0 0 0 7	Sep 16	8 00 AM '61
0 0 0 0 7	Sep 16	12 00 AM '61

#18
1420
"E" Area
Col B-5
O.K.

Power failing was at 12 noon
Present time 9/21/61

-687-

0 0 0 0 8	Sep 17 8 00 AM '61
0 0 0 0 7	Sep 17 12 00 AM '61
0 0 0 0 7	Sep 16 4 00 PM '61
0 0 0 0 7	Sep 16 8 00 AM '61
0 0 0 0 7	Sep 16 12 00 AM '61
0 0 0 0 9	Sep 15 4 00 PM '61
~~0 0 0 4 9~~	~~Sep 15 8 00 AM '61~~

Power of part of rec for Parent Fund

~~0 0 2 1 4~~	~~Sep 15 6 16 AM '61~~
0 0 2 0 4	Sep 14 3 59 PM '61
0 0 1 6 6	Sep 14 7 59 AM '61
0 0 3 6 1	Sep 13 11 59 PM '61
0 0 2 0 7	Sep 13 3 59 PM '61
0 0 1 9 5	Sep 13 7 59 AM '61
0 0 6 9 7	Sep 12 11 59 PM '61
0 0 6 3 3	Sep 12 3 59 PM '61
0 0 3 0 2	Sep 12 7 59 AM '61
0 0 3 1 4	Sep 11 11 59 PM '61
0 0 2 2 6	Sep 11 3 59 PM '61
0 0 1 3 9	Sep 11 7 59 AM '61
0 0 0 3 5	Sep 10 11 59 PM '61
0 0 0 2 9	Sep 10 3 59 PM '61
0 0 0 4 2	Sep 10 7 59 AM '61
0 0 0 2 8	Sep 9 11 59 PM '61
0 0 0 2 6	Sep 9 3 59 PM '61
0 0 0 4 2	Sep 9 7 59 AM '61
0 0 0 4 0	Sep 8 11 59 PM '61
0 0 0 2 7	Sep 8 3 59 PM '61
0 0 0 3 9	Sep 8 7 59 AM '61
0 0 3 0 5	Sep 7 11 59 PM '61
0 0 1 1 3	Sep 7 3 59 PM '61
0 0 0 4 2	Sep 7 7 59 AM '61
0 0 0 2 8	Sep 6 11 59 PM '61
0 0 0 4 4	Sep 6 3 59 PM '61
0 0 0 8 3	Sep 6 7 59 AM '61
0 0 0 2 2	Sep 5 11 59 PM '61
0 0 0 4 1	Sep 5 3 59 PM '61
~~0 0 0 [illegible] 8~~	~~Sep 5 7 59 AM '61~~

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0 0 0 2 7	Sep 8 3 59 PM '61
0 0 0 3 9	Sep 8 7 59 AM '61
0 0 3 0 5	Sep 7 11 59 PM '61
0 0 1 1 3	Sep 7 3 59 PM '61
0 0 0 4 2	Sep 7 7 59 AM '61
0 0 0 2 8	Sep 6 11 59 PM '61
0 0 0 4 4	Sep 6 3 59 PM '61
0 0 0 3 3	Sep 6 7 59 AM '61
0 0 0 2 2	Sep 5 11 59 PM '61
0 0 0 4 1	Sep 5 3 59 PM '61
~~0 0 0 0 8~~	~~Sep 5 7 59 AM '61~~
~~0 0 0 0 8~~	~~Sep 5 4 12 AM '61~~

Tot. Act. = 71 No. Samples = 66
Av. Act. = 1.1 No. > PAL = 13
% > PAL = 20

K-1420
Sep '61

Former Plant Employee
Signature & Title
Been notified of results
Results of Plant Cleanup
Retest

#17
Monitor
14r0
"H" Area
OK

0 0 0 1 4	Sep 31	12 00 AM '61
0 0 0 1 2	Sep 30	4 00 PM '61
0 0 0 4 2	Sep 30	8 00 AM '61
0 0 0 8 1	Sep 30	12 00 AM '61
0 0 6 7 3	Sep 29	4 00 PM '61
0 0 1 5 6	Sep 29	8 00 AM '61
0 0 2 0 5	Sep 29	12 00 AM '61
0 0 0 2 8	Sep 28	4 00 PM '61
0 0 0 2 2	Sep 28	8 00 AM '61
0 0 0 2 2	Sep 28	12 00 AM '61
0 0 0 2 1	Sep 27	4 00 PM '61
0 0 0 2 2	Sep 27	8 00 AM '61
0 0 0 2 1	Sep 27	12 00 AM '61
0 0 3 3 0	Sep 26	4 00 PM '61
0 0 0 3 8	Sep 26	8 00 AM '61
0 0 0 2 2	Sep 26	12 00 AM '61
0 0 1 6 9	Sep 25	4 00 PM '61
0 0 0 3 3	Sep 25	8 00 AM '61
0 0 0 2 0	Sep 25	12 00 AM '61
0 0 0 1 3	Sep 24	4 00 PM '61
0 0 0 3 4	Sep 24	8 00 AM '61
0 0 0 1 9	Sep 24	12 00 AM '61
0 0 0 1 1	Sep 23	4 00 PM '61
0 0 0 7 8	Sep 23	8 00 AM '61
0 0 0 6 9	Sep 23	12 00 AM '61
0 0 0 7 0	Sep 22	4 00 PM '61
0 0 0 4 2	Sep 22	8 00 AM '61
0 0 0 4 0	Sep 22	12 00 AM '61
0 0 1 6 9	Sep 21	4 00 PM '61
0 0 0 3 5	Sep 21	8 00 AM '61
0 0 0 3 4	Sep 20	11 59 PM '61
0 0 0 8 7	Sep 20	3 59 PM '61
0 0 0 3 1	Sep 20	7 59 AM '61
0 0 0 3 7	Sep 19	11 59 PM '61
0 0 0 4 8	Sep 19	3 59 PM '61
0 0 0 2 7	Sep 19	7 59 AM '61
0 0 0 2 3	Sep 18	11 59 PM '61

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0	0	0	3	1	Sep 20	7 59 AM '61
0	0	0	3	7	Sep 19	11 59 PM '61
0	0	0	4	8	Sep 19	3 59 PM '61
0	0	0	2	7	Sep 19	7 59 AM '61
0	0	0	2	3	Sep 18	11 59 PM '61
0	0	0	4	9	Sep 18	3 59 PM '61
0	0	0	3	5	Sep 18	7 59 AM '61
0	0	0	2	0	Sep 17	11 59 PM '61
0	0	0	1	2	Sep 17	3 59 PM '61
0	0	0	3	0	Sep 17	7 59 AM '61
0	0	0	1	5	Sep 16	11 59 PM '61
0	0	0	1	0	Sep 16	3 59 PM '61
0	0	0	3	0	Sep 16	7 59 AM '61
0	0	0	5	5	Sep 15	11 59 PM '61
0	0	0	1	9	Sep 15	3 59 PM '61
0	0	0	1	7	Sep 15	7 59 AM '61
0	0	0	1	3	Sep 14	11 59 PM '61
0	0	0	1	5	Sep 14	3 59 PM '61
0	0	0	4	2	Sep 14	7 59 AM '61
0	0	0	5	4	Sep 13	11 59 PM '61
0	0	0	5	5	Sep 13	3 59 PM '61
0	0	0	9	8	Sep 13	7 59 AM '61
0	0	0	7	3	Sep 12	11 59 PM '61
0	0	0	5	9	Sep 12	3 59 PM '61
0	0	0	6	4	Sep 12	7 59 AM '61
0	0	0	8	0	Sep 11	11 59 PM '61
0	0	0	1	8	Sep 11	3 59 PM '61
0	0	0	3	0	Sep 11	7 59 AM '61
0	0	0	2	4	Sep 10	11 59 PM '61
0	0	0	1	3	Sep 10	3 59 PM '61
0	0	0	3	5	Sep 10	7 59 AM '61
0	0	0	3	4	Sep 9	11 59 PM '61
0	0	0	1	4	Sep 9	3 59 PM '61
0	0	2	0	2	Sep 9	7 59 AM '61
0	0	0	5	4	Sep 8	11 59 PM '61
0	0	0	2	8	Sep 8	3 59 PM '61
0	0	0	4	8	Sep 8	7 59 AM '61
0	0	2	9	6	Sep 7	11 59 PM '61
0	0	0	5	4	Sep 7	3 59 PM '61

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0 0 0 5 4	Sep 8 11 59 PM '61
0 0 0 2 8	Sep 8 3 59 PM '61
0 0 0 4 8	Sep 8 7 59 AM '61
0 0 2 9 6	Sep 7 11 59 PM '61
0 0 0 5 4	Sep 7 3 59 PM '61
0 0 0 3 8	Sep 7 7 59 AM '61
0 0 0 3 4	Sep 6 11 59 PM '61
0 0 0 6 7	Sep 6 3 59 PM '61
0 0 0 3 4	Sep 6 7 59 AM '61
0 0 0 2 8	Sep 5 11 59 PM '61
0 0 0 7 0	Sep 5 3 59 PM '61
0 0 0 2 6	Sep 5 7 59 AM '61
0 0 0 1 4	Sep 4 11 29 PM '61
0 0 0 1 1	Sep 4 3 29 PM '61
0 0 0 2 6	Sep 4 7 29 AM '61
0 0 0 2 3	Sep 3 11 29 PM '61
~~0 0 0 0 2~~	~~Sep 3 3 29 PM '61~~
~~0 0 0 0 0~~	~~Sep 3 1 58 PM '61~~
~~0 0 0 1 3~~	~~Sep 3 1 59 PM '61~~
0 0 0 3 5	Sep 3 7 55 AM '61
0 0 0 4 3	Sep 2 11 55 PM '61
0 0 0 3 6	Sep 2 3 55 PM '61
0 0 0 7 3	Sep 2 7 55 AM '61
0 0 1 2 2	Sep 1 11 55 PM '61
0 0 1 4 2	Sep 1 3 55 PM '61
0 0 3 5 8	Sep 1 7 55 AM '61

Corrected

9-1-61
Water Data
Water Plant
#17 Reservoir

Total Act 55.69 No of Samples 89
Av. Act. 0.63 No > P.A.L. 5
% > PAL. 5.6

0 0 0 4 3		SEP 2 11 55 PM '61
0 0 0 3 6		SEP 2 3 55 PM '61
0 0 0 7 3		SEP 2 7 55 AM '61
0 0 1 2 2		SEP 1 11 55 PM '61
0 0 1 4 2		SEP 1 3 55 PM '61
0 0 3 5 8		SEP 1 7 55 AM '61

9-1-61
"H" Area
K-1420 Bldg
1/7 Screen

Total Act. 55.69 No of Samples 89
Av. Act. 0.63 No > P.A.L. 5
% > PAL. 5.6

K-1420 "H" Area

Sept 1961

0	0	0	0	0	Sep	30	11	11 PM	'61
0	0	0	0	0	Sep	30	3	11 PM	'61
0	0	0	0	1	Sep	30	7	11 AM	'61
0	0	0	0	0	Sep	29	11	11 PM	'61
0	0	0	0	0	Sep	29	3	11 PM	'61
0	0	0	0	1	Sep	29	7	11 AM	'61
0	0	0	0	1	Sep	29	11	11 PM	'61
0	0	0	0	2	Sep	29	3	11 PM	'61
0	0	0	0	1	Sep	28	7	58 AM	'61
0	0	0	0	0	Sep	27	11	58 PM	'61
0	0	0	0	0	Sep	27	3	58 PM	'61
0	0	0	0	1	Sep	27	7	58 AM	'61
0	0	0	0	1	Sep	26	11	58 PM	'61
0	0	0	0	1	Sep	26	3	58 PM	'61
0	0	0	0	0	Sep	26	7	58 AM	'61
0	0	0	0	1	Sep	25	11	58 PM	'61
0	0	0	0	0	Sep	25	3	58 PM	'61
0	0	0	0	0	Sep	25	7	58 AM	'61
0	0	0	0	1	Sep	24	11	58 PM	'61
0	0	0	0	0	Sep	24	3	58 PM	'61
0	0	0	0	0	Sep	24	7	58 AM	'61
0	0	0	0	1	Sep	23	11	58 PM	'61
0	0	0	0	0	Sep	23	3	58 PM	'61
0	0	0	0	0	Sep	23	7	58 AM	'61
0	0	0	0	1	Sep	22	11	58 PM	'61
0	0	0	1	3	Sep	22	3	58 PM	'61
0	0	0	2	9	Sep	22	7	58 AM	'61
0	0	0	3	1	Sep	21	11	58 PM	'61
0	0	1	3	1	Sep	21	3	58 PM	'61

#5
1420
Large Equip
D-5
Monitor drums
Punch grinder

0	0	0	0	1	Sep	20	11	40 PM	'61
0	0	0	0	0	Sep	20	3	40 PM	'61
0	0	0	0	0	Sep	20	7	40 AM	'61
0	0	0	0	1	Sep	19	11	40 PM	'61
0	0	0	0	0	Sep	19	3	40 PM	'61
0	0	0	0	3	Sep	19	7	40 AM	'61
0	0	0	2	8	Sep	18	11	40 PM	'61
0	0	1	4	8	Sep	18	3	40 PM	'61
0	0	0	2	6	Sep	18	7	40 AM	'61

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~~0 0 0 0 0~~	~~Sep 19 3 40 PM '61~~
0 0 0 0 3	Sep 19 7 40 AM '61
0 0 0 2 8	Sep 18 11 40 PM '61
0 0 1 4 8	Sep 18 3 40 PM '61
0 0 0 2 6	Sep 18 7 40 AM '61
~~0 0 0 0 0~~	~~Sep 18 4 16 AM '61~~
~~0 0 0 0 1~~	~~Sep 18 4 15 AM '61~~
~~0 0 0 0 1~~	~~Sep 17 12 11 AM '61~~
~~0 0 0 0 0~~	~~Sep 17 4 11 PM '61~~
0 0 0 4 2	Sep 17 8 11 AM '61
0 0 0 1 8	Sep 17 12 11 AM '61
0 0 0 2 7	Sep 16 4 11 PM '61
0 0 0 6 7	Sep 16 8 11 AM '61
0 0 0 9 0	Sep 16 12 11 AM '61
0 0 0 1 2	Sep 15 4 11 PM '61
0 0 0 1 6	Sep 15 8 11 AM '61
0 0 0 0 6	Sep 15 12 10 AM '61
0 0 0 0 7	Sep 14 4 10 PM '61
0 0 0 1 9	Sep 14 8 10 AM '61
0 0 0 1 2	Sep 14 12 10 AM '61
0 0 0 3 1	Sep 13 4 10 PM '61
0 0 0 2 6	Sep 13 8 10 AM '61
0 0 0 2 2	Sep 13 12 10 AM '61
0 0 0 2 5	Sep 12 4 10 PM '61
0 0 0 3 8	Sep 12 8 10 AM '61
0 0 0 1 3	Sep 12 12 10 AM '61
0 0 0 2 7	Sep 11 4 10 PM '61
0 0 0 4 9	Sep 11 8 10 AM '61
0 0 0 3 1	Sep 11 12 00 AM '61
0 0 0 3 0	Sep 10 4 01 PM '61
0 0 0 4 2	Sep 10 8 01 AM '61
0 0 0 2 4	Sep 10 12 01 AM '61
0 0 0 1 6	Sep 9 4 01 PM '61
0 0 0 5 6	Sep 9 8 01 AM '61
0 0 0 1 8	Sep 9 12 00 AM '61
0 0 0 2 3	Sep 8 4 01 PM '61
0 0 0 1 3	Sep 8 8 01 AM '61
~~0 0 0 0 0~~	~~Sep 7 11 59 PM '61~~
~~0 0 0 0 0~~	~~Sep 7 3 59 PM '61~~
~~0 0 0 0 0~~	~~Sep 7 7 59 AM '61~~
~~0 0 0 0 0~~	~~Sep 6 11 59 PM '61~~

Corrected date

-695-

0 0 0 1 3	[illegible] 8 01 AM '61	
~~0 0 0 0 0~~	~~Sep 7 11 59 PM '61~~	
~~0 0 0 0 0~~	~~Sep 7 3 59 PM '61~~	
~~0 0 0 0 0~~	~~7 7 59 AM '61~~	
~~0 0 0 0 0~~	~~Sep 6 11 59 PM '61~~	
~~0 0 0 0 0~~	~~Sep 6 3 59 PM '61~~	
~~0 0 0 0 0~~	~~Sep 6 7 59 AM '61~~	
~~0 0 0 0 0~~	~~Sep 5 11 59 PM '61~~	
0 0 0 1 1	5 3 59 PM '61	
0 0 0 3 2	[illegible] 8 00 AM '61	
0 0 0 1 5	Sep 5 12 01 AM '61	
0 0 0 2 6	Sep 4 4 01 PM '61	
0 0 0 3 0	Sep 4 8 01 AM '61	
0 0 0 2 3	[illegible] 12 00 AM '61	
0 0 0 1 6	Sep 3 4 01 PM '61	
0 0 0 2 2	Sep 3 8 01 AM '61	
0 0 0 1 1	Sep 3 12 01 AM '61	
0 0 0 1 7	[illegible] 4 01 PM '61	
0 0 0 2 4	Sep 2 8 01 AM '61	
0 0 0 1 5	[illegible] 12 00 AM '61	
0 0 0 1 0	[illegible] 4 00 PM '61	
0 0 0 1 1	Sep 1 8 00 AM '61	

Total = 15 No. samples = 50

% Det. = 0.30 No > PAL = 0

K-1420 % > PAL = 0

Sep 61

0 U U 1 4	Oct 31 11 56 PM '61
0 U 2 3 4	Oct 31 3 56 PM '61

#1 Resistor
14x0 Recovery Area -
Crl BC. 6
11-1-61

1978-01 Fb

0 U U 6 8	Oct 31 7 56 AM '61
0 U U 2 7	Oct 30 11 56 PM '61
0 U 4 8 3	Oct 30 3 56 PM '61
0 U U 8 6	Oct 30 7 56 AM '61
0 U U 6 9	Oct 29 11 56 PM '61
0 U U 5 1	Oct 29 3 56 PM '61
0 U U 4 4	Oct 29 7 56 AM '61
0 U U 2 5	Oct 28 11 56 PM '61
0 U U 2 1	Oct 28 3 56 PM '61
0 U U 3 4	Oct 28 7 56 AM '61
0 U 4 4 4	Oct 27 11 56 PM '61
0 U U 1 9	Oct 27 3 56 PM '61

~~0 U U 0 3~~	~~Oct 27 9 29 AM '61~~
~~0 U U 0 2~~	~~Oct 27 9 27 AM '61~~
~~0 U U 0 7~~	~~Oct 27 9 25 AM '61~~

Problem reported to Sloan 10/27

0 U U 0 8	Oct 27 7 44 AM '61
0 U U 0 7	Oct 26 11 44 PM '61
0 U U 0 7	Oct 26 3 44 PM '61
	Oct 26 7 44 AM '61

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Failure
Regulator
Rectifier
Stator
3 p.m.
10/27

0 0 0 0 8	Oct 27 7 44 AM '61
0 0 0 0 7	Oct 26 11 44 PM '61
0 0 0 0 7	Oct 26 3 44 PM '61
0 0 0 0 8	Oct 26 7 44 AM '61
0 0 0 0 8	Oct 25 11 44 PM '61
0 0 0 0 8	Oct 25 3 44 PM '61
0 0 0 0 9	Oct 25 7 44 AM '61
0 0 0 0 9	Oct 24 11 44 PM '61
0 0 0 1 1	Oct 24 3 44 PM '61
0 0 0 1 4	Oct 24 7 44 AM '61
0 0 0 1 8	Oct 23 11 44 PM '61
0 0 1 2 8	Oct 23 4 00 PM '61
0 0 0 2 8	Oct 23 8 00 AM '61
0 0 0 1 9	Oct 23 12 00 AM '61
0 0 0 0 9	Oct 22 4 00 PM '61
0 0 0 1 9	Oct 22 8 00 AM '61
0 0 0 1 4	Oct 22 12 00 AM '61
0 0 0 0 9	Oct 21 4 00 PM '61
0 0 0 1 2	Oct 21 8 00 AM '61
0 0 0 1 0	Oct 21 12 00 AM '61
0 0 0 1 0	Oct 20 4 00 PM '61
0 0 0 1 4	Oct 20 8 00 AM '61
0 0 0 1 3	Oct 20 12 00 AM '61
0 0 0 5 5	Oct 19 4 00 PM '61
0 0 0 3 9	Oct 19 8 00 AM '61
0 0 0 3 0	Oct 19 12 00 AM '61
0 0 1 6 0	Oct 18 4 00 PM '61
0 0 0 6 2	Oct 18 8 00 AM '61
0 0 0 2 7	Oct 18 12 00 AM '61
0 0 1 1 2	Oct 17 4 00 PM '61
0 0 0 4 3	Oct 17 8 00 AM '61

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0	0	0	3	0	Oct 19 12 00 AM '61
0	0	1	6	0	Oct 18 4 00 PM '61
0	0	0	6	2	Oct 18 8 00 AM '61
0	0	0	2	7	Oct 18 12 00 AM '61
0	0	1	1	2	Oct 17 4 00 PM '61
0	0	0	4	3	Oct 17 8 00 AM '61
0	0	0	2	4	Oct 17 12 00 AM '61
0	0	0	9	6	Oct 16 4 00 PM '61
0	0	0	3	0	Oct 16 8 00 AM '61
0	0	0	1	5	Oct 16 12 00 AM '61
0	0	0	1	0	Oct 15 4 00 PM '61
0	0	0	2	6	Oct 15 8 00 AM '61
0	0	0	1	3	Oct 15 12 00 AM '61
0	0	0	0	8	Oct 14 4 00 PM '61
0	0	0	2	4	Oct 14 8 00 AM '61
0	0	0	5	4	Oct 14 12 00 AM '61
0	0	0	8	3	Oct 13 4 00 PM '61
0	0	0	3	9	Oct 13 8 00 AM '61
0	0	0	3	3	Oct 13 12 00 AM '61
0	0	1	0	3	Oct 12 4 00 PM '61
0	0	0	4	5	Oct 12 8 00 AM '61
0	0	0	2	7	Oct 12 12 00 AM '61
0	0	3	5	8	Oct 11 4 00 PM '61
0	0	0	4	4	Oct 11 8 00 AM '61
0	0	0	2	9	Oct 11 12 00 AM '61
0	0	1	2	4	Oct 10 4 00 PM '61
0	0	0	4	1	Oct 10 8 00 AM '61
0	0	0	3	4	Oct 10 12 00 AM '61
0	1	0	1	8	Oct 9 4 00 PM '61
0	0	0	3	8	Oct 9 8 00 AM '61
0	0	0	2	4	Oct 9 12 00 AM '61
0	0	0	2	1	Oct 8 4 00 PM '61
0	0	0	3	3	Oct 8 8 00 AM '61
0	0	0	2	3	Oct 8 12 00 AM '61
0	0	0	2	1	Oct 7 4 00 PM '61
0	0	0	3	2	Oct 7 8 00 AM '61
0	0	0	3	0	Oct 7 12 00 AM '61
0	0	2	0	5	Oct 6 4 00 PM '61
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	Oct 6 8 00 AM '61

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0	0	0	3	3	Oct 8 8 00 AM '61
0	0	0	2	3	Oct 8 12 00 AM '61
0	0	0	2	1	Oct 7 4 00 PM '61
0	0	0	3	2	Oct 7 8 00 AM '61
0	0	0	3	0	Oct 7 12 00 AM '61
0	0	2	0	5	Oct 6 4 00 PM '61
0	0	0	3	2	Oct 6 8 00 AM '61
0	0	0	4	6	Oct 6 12 00 AM '61
0	0	0	4	6	Oct 5 4 00 PM '61
0	0	0	3	8	Oct 5 8 00 AM '61
0	0	0	4	7	Oct 5 12 00 AM '61
0	0	0	1	9	Oct 4 4 00 PM '61
0	0	0	2	6	Oct 4 8 00 AM '61
0	0	0	1	7	Oct 4 12 00 AM '61
0	0	0	1	1	Oct 3 4 00 PM '61
0	0	0	1	1	Oct 3 8 00 AM '61
0	0	0	1	3	Oct 3 12 00 AM '61
0	0	0	3	5	Oct 2 4 00 PM '61
0	0	0	2	1	Oct 2 8 00 AM '61

#1-7 [illegible]
[illegible] High Blood
[illegible]
10-7-61

TOT. ACT. = 75 NO. SAMPLES = 85
AV. ACT. = 0.88 NO. > PAL = 6
% > PAL = 7.1

K-1420
Oct. 61

ALL K-1420
Oct. 61

TOT. ACT. = 200 NO. SAMPLES = 345
AV. ACT. = 0.58 NO. > PAL = 15
% > PAL = 4.3

0 U U 1 8	Sep 32 12 00 AM '61
0 U U 1 2	Sep 31 4 00 PM '61
0 U U 3 4	Sep 31 8 00 AM

0 0 0 0 6	[illegible] 12 00 AM '61
0 0 0 0 9	Oct 31 4 00 PM '61
0 0 0 2 0	[illegible] 8 00 AM '61
0 0 0 1 2	[illegible] 12 00 AM '61
0 0 0 1 1	[illegible] 4 00 PM '61
0 0 0 1 5	Oct 30 8 00 AM '61
0 0 0 2 9	[illegible] 12 00 AM '61
0 0 0 1 3	Oct 29 4 00 PM '61
0 0 0 4 0	Oct 29 8 00 AM '61
0 0 0 2 9	Oct 29 12 00 AM '61
0 0 0 1 4	Oct 28 4 00 PM '61
0 0 0 3 1	[illegible] 8 00 AM '61
0 0 0 6 8	Oct 28 12 00 AM '61
0 0 0 1 2	[illegible] 4 00 PM '61
0 0 0 2 4	Oct 27 8 00 AM '61
0 0 0 1 2	[illegible] 12 00 AM '61
0 0 0 3 6	Oct 26 4 00 PM '61
0 0 0 0 9	Oct 26 8 00 AM '61
0 0 0 0 8	[illegible] 12 00 AM '61
0 0 0 1 0	Oct 25 4 00 PM '61
0 0 0 4 2	[illegible] 7 50 AM '61
0 0 0 2 7	[illegible] 11 50 PM '61
0 0 0 1 9	Oct 24 3 50 PM '61
0 0 0 1 3	[illegible] 7 50 AM '61
0 0 0 0 7	Oct 23 11 50 PM '61
0 0 0 1 4	Oct 23 3 50 PM '61
0 0 0 2 7	[illegible] 7 50 AM '61
0 0 0 1 5	[illegible] 11 50 PM '61
0 0 0 0 8	Oct 22 3 50 PM '61
0 0 0 1 4	[illegible] 7 50 AM '61
0 0 0 0 7	Oct 21 11 50 PM '61
0 0 0 0 6	Oct 21 3 50 PM '61
0 0 0 0 9	Oct 21 7 50 AM '61
0 0 0 0 7	[illegible] 11 50 PM '61
0 0 0 1 1	Oct 20 3 50 PM '61
0 0 0 0 4	[illegible] 7 50 AM '61
0 0 0 0 6	[illegible] 11 50 PM '61
0 0 0 0 0	[illegible] 3 50 PM '61

#5 Transition 14/[illegible] ok WEMA 11-1-61

702

0 0 0 0 6	[illegible] 3 50 PM '61
0 0 0 0 9	Oct 21 7 50 AM '61
0 0 0 0 7	[illegible] 20 11 50 PM '61
0 0 0 1 1	[illegible] 20 3 50 PM '61
0 0 0 0 4	[illegible] 7 50 AM '61
0 0 0 0 6	[illegible] 19 11 50 PM '61
0 0 0 0 0	[illegible] 19 3 50 PM '61
0 0 0 0 4	[illegible] 19 7 50 AM '61
0 0 0 1 6	[illegible] 18 11 50 PM '61
0 0 0 1 3	Oct 18 3 50 PM '61
0 0 0 0 8	Oct 18 7 50 AM '61
0 0 0 3 6	[illegible] 17 11 50 PM '61
0 0 0 5 1	[illegible] 17 3 49 PM '61
0 0 0 1 6	Oct 17 7 55 AM '61
0 0 0 2 2	[illegible] 16 11 55 PM '61
0 0 0 3 4	Oct 16 3 55 PM '61
0 0 0 2 6	Oct 16 7 55 AM '61
0 0 0 0 8	[illegible] 12 55 AM '61
0 0 0 0 8	Oct 15 4 55 PM '61
0 0 0 1 9	Oct 15 8 55 AM '61
0 0 0 0 8	[illegible] 15 12 55 AM '61
0 0 0 0 6	[illegible] 14 4 55 PM '61
0 0 0 0 8	[illegible] 14 8 55 AM '61
0 0 0 1 7	[illegible] 14 12 55 AM '61
0 0 0 0 6	[illegible] 13 4 55 PM '61
0 0 0 0 1	[illegible] 13 8 55 AM '61
0 0 0 1 1	[illegible] 13 4 47 AM '61

Corrected time

0 0 0 1 5	[illegible] 9 3 57 PM '61
0 0 0 0 1	[illegible] 9 7 57 AM '61
0 0 0 0 2	Oct 8 11 57 PM '61
0 0 0 0 2	[illegible] 8 3 57 PM '61

Machine down when checked 10/12 Manual and pump vibrating

Replaced 10/13/61

-703-

0 0 0 1 5	[illegible] 9 3 57 PM '61
0 0 0 0 1	[illegible] 9 7 57 AM '61
0 0 0 0 2	Oct 8 11 57 PM '61
0 0 0 0 2	[illegible] 8 3 57 PM '61
0 0 0 0 7	[illegible] 8 7 57 AM '61
0 0 0 2 4	[illegible] 7 11 57 PM '61
0 0 0 1 6	[illegible] 7 3 57 PM '61
0 0 0 2 3	Oct 7 7 57 AM '61
0 0 0 1 9	[illegible] 6 11 57 PM '61
0 0 1 1 0	[illegible] 6 3 57 PM '61
0 0 0 0 7	[illegible] 6 7 57 AM '61
0 0 0 2 3	Oct 5 7 55 AM '61
0 0 0 1 2	[illegible] 5 11 55 PM '61
0 0 0 0 7	Oct 5 3 55 PM '61
0 0 0 1 5	Oct 5 7 55 AM '61
0 0 0 0 4	[illegible] 4 11 55 PM '61
0 0 0 0 4	Oct 4 3 55 PM '61
0 0 0 0 0	[illegible] 4 7 11 AM '61
0 0 0 0 1	[illegible] 3 11 11 PM '61
0 0 0 0 0	Oct 3 3 11 PM '61
0 0 0 0 0	Oct 3 7 11 AM '61
0 0 0 0 1	Oct 2 11 11 PM '61
0 0 0 0 0	[illegible] 2 3 11 PM '61
0 0 0 0 0	Oct 2 7 11 AM '61
0 0 0 0 1	Oct 2 4 09 AM '61

Machine inhibited 10/12 pump [illegible]

Filter [illegible] inhibited

[illegible] 10-2-61

TOT. ACT. = 13 NO. SAMPLES = 56
AV. ACT. = 0.15 NO. > PAL = 0
% > PAL = 0

K-1420
Oct. '61

-705-

0 0 0 0 0 Oct 31 11 11 PM '61
0 0 0 0 0 Oct 31 3 11 PM '61
0 0 0 0 1 Oct 31 7 11 AM '61

0 0 0 1 2		Oct 32 12 02 AM '61
0 0 2 5 8	#18 monitor	Oct 31 4 03 PM '61
0 0 0 2 6	1420	Oct 31 8 02 AM '61
0 0 0 2 6	Recovery	Oct 31 12 03 AM '61
0 0 1 2 8	Area	Oct 30 4 03 PM '61
0 0 0 9 0	"E" Res)	Oct 30 8 03 AM '61
0 0 1 4 2		Oct 30 12 03 AM '61
0 0 1 2 9		Oct 29 4 03 PM '61
0 0 0 5 5		Oct 29 8 02 AM '61
0 0 0 3 7		Oct 29 12 03 AM '61
0 0 0 3 3		Oct 28 4 03 PM '61
0 0 0 4 6		Oct 28 8 03 AM '61
0 0 6 9 5		Oct 28 12 02 AM '61
0 0 0 2 0		Oct 27 4 03 PM '61
0 0 0 3 2		Oct 27 8 02 AM '61
0 0 0 1 7		Oct 27 12 03 AM '61
0 0 1 1 3		Oct 26 4 02 PM '61
0 0 0 1 9		Oct 26 8 03 AM '61
0 0 0 1 2		Oct 26 12 02 AM '61
0 0 0 4 0		Oct 25 4 02 PM '61
0 0 0 5 0		Oct 25 8 02 AM '61
0 0 0 2 8		Oct 25 12 02 AM '61
0 0 5 0 7	new well hole	Oct 24 4 03 PM '61
0 0 0 5 3	Keepers 10/27/61	Oct 24 8 03 AM '61
0 0 0 2 9	2:30 PM	Oct 24 12 03 AM '61
0 0 1 6 0		Oct 23 4 02 PM '61
0 0 0 7 9		Oct 23 8 03 AM '61
0 0 0 6 9		Oct 23 12 03 AM '61
0 0 0 9 7		Oct 22 4 03 PM '61
0 0 0 8 1		Oct 22 8 03 AM '61
0 0 0 3 6		Oct 22 12 03 AM '61
0 0 0 2 2		Oct 21 4 03 PM '61
0 0 1 1 7		Oct 21 8 03 AM '61
0 0 2 1 4		Oct 21 12 02 AM '61
0 0 0 7 4		Oct 20 4 02 PM '61
0 0 0 2 2		Oct 20 8 03 AM '61
0 0 0 1 9		Oct 20 12 02 AM '61
0 0 0 5 8	-706-	Oct 19 4 03 PM '61
0 0 0 [illegible] 6		Oct 19 8 03 AM '61

0 0 1 1 7	Oct 21 8 03 AM '61
0 0 2 1 4	Oct 21 12 02 AM '61
0 0 0 7 4	Oct 20 4 02 PM '61
0 0 0 2 2	Oct 20 8 03 AM '61
0 0 0 1 9	Oct 20 12 02 AM '61
0 0 0 3 8	Oct 19 4 03 PM '61
0 0 0 3 6	Oct 19 8 03 AM '61
0 0 0 3 0	Oct 19 12 03 AM '61
0 0 1 5 4	Oct 18 4 02 PM '61
0 0 0 5 1	Oct 18 8 03 AM '61
0 0 0 2 9	Oct 18 12 03 AM '61
0 0 1 4 8	Oct 17 4 03 PM '61
0 0 0 3 7	Oct 17 8 03 AM '61
0 0 0 2 8	Oct 17 12 03 AM '61
0 0 0 4 3	Oct 16 4 02 PM '61
0 0 0 4 1	Oct 16 8 02 AM '61
0 0 0 2 3	Oct 16 12 03 AM '61
0 0 0 1 8	Oct 15 4 03 PM '61
0 0 0 3 0	Oct 15 8 03 AM '61
0 0 0 1 4	Oct 15 12 03 AM '61
0 0 0 1 6	Oct 14 4 03 PM '61
0 0 0 2 4	Oct 14 8 02 AM '61
0 0 0 3 6	Oct 14 12 03 AM '61
0 0 0 5 2	Oct 13 4 03 PM '61
0 0 0 5 4	Oct 13 8 03 AM '61
0 0 0 3 4	Oct 13 12 03 AM '61
0 0 0 3 9	Oct 12 4 03 PM '61
0 0 0 6 4	Oct 12 8 03 AM '61
0 0 0 3 4	Oct 12 12 03 AM '61
0 0 0 5 7	Oct 11 4 03 PM '61
0 0 0 6 3	Oct 11 8 03 AM '61
0 0 0 3 5	Oct 11 12 03 AM '61
0 0 0 3 6	Oct 10 4 03 PM '61
0 0 0 6 8	Oct 10 8 03 AM '61
0 0 0 3 4	Oct 10 12 03 AM '61
0 0 4 0 7	Oct 9 4 03 PM '61
0 0 0 5 2	Oct 9 8 03 AM '61
0 0 0 3 2	Oct 9 12 03 AM '61
0 0 0 2 5	Oct 8 4 02 PM '61
0 0 0 4 8	Oct 8 8 03 AM '61
0 0 0 3 0	Oct 8 12 03 AM '61

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0 0 0 3 4	Oct 10 12 03 AM '61
0 0 4 0 7	Oct 9 4 03 PM '61
0 0 0 3 2	Oct 9 8 03 AM '61
0 0 0 3 2	Oct 9 12 03 AM '61
0 0 0 2 5	Oct 8 4 02 PM '61
0 0 0 4 8	Oct 8 8 03 AM '61
0 0 0 3 0	Oct 8 12 03 AM '61
0 0 0 2 4	Oct 7 4 03 PM '61
0 0 0 4 3	Oct 7 8 03 AM '61
0 0 0 2 7	Oct 7 12 03 AM '61
0 0 3 0 1	Oct 6 4 02 PM '61
0 0 0 2 3	Oct 6 8 03 AM '61
0 0 0 3 1	Oct 6 12 28 AM '61
0 0 7 4 3	Oct 5 4 28 PM '61
0 0 0 2 5	Oct 5 8 27 AM '61
0 0 0 2 0	Oct 5 12 28 AM '61
0 0 0 3 5	Oct 4 4 28 PM '61
0 0 0 2 1	Oct 4 8 27 AM '61
0 0 0 2 6	Oct 4 12 28 AM '61
0 0 0 4 1	Oct 3 4 27 PM '61
0 0 0 1 1	Oct 3 8 27 AM '61
0 0 0 1 4	Oct 3 12 27 AM '61
0 0 0 2 5	Oct 2 4 28 PM '61
0 0 0 2 2	Oct 2 8 27 AM '61

#18 [illegible]
14 [illegible]
10-3-61

Tot. Act. = 72 No. samples = 93
Av. Act. = 0.77 No. > PAL = 7
% > PAL = 7.5

K-1420
OCT. '61

0 0 0 1 7	Sep 32	12 28 AM '61
0 0 0 1 3	Sep 31	4 28 PM '61
0 0 0 3 6	Sep 31	8 28 AM '61

0 0 0 2 2	Oct 32	12 00 AM '61
0 0 0 0 8	Oct 31	4 00 PM '61
0 0 0 2 3	Oct 31	8 00 AM '61
0 0 0 2 0	Oct 31	12 00 AM '61
0 0 0 0 2	Oct 30	4 00 PM '61
0 0 0 5 3	Oct 30	8 00 AM '61
0 0 0 4 3	Oct 30	12 00 AM '61
0 0 0 4 0	Oct 29	4 00 PM '61
0 0 0 4 0	Oct 29	8 00 AM '61
0 0 0 3 3	Oct 29	12 00 AM '61
0 0 0 3 1	Oct 28	4 00 PM '61
0 0 0 4 1	Oct 28	8 00 AM '61
0 0 2 0 0	Oct 28	12 00 AM '61
0 0 2 0 0	Oct 27	4 00 PM '61
0 0 0 4 1	Oct 27	8 00 AM '61
0 0 0 3 1	Oct 27	12 00 AM '61
0 0 0 3 1	Oct 26	4 00 PM '61
~~0 0 0 4 0~~	~~Oct 26~~	~~5 43 AM '61~~
0 0 0 9 2	Oct 24	3 59 PM '61
0 0 0 8 0	Oct 24	5.7 59 AM '61
0 0 0 2 0	Oct 24	11 59 PM '61
0 0 0 0 2	Oct 24	3 59 PM '61
~~0 0 0 3 0~~	~~Oct 23~~	~~8 05 AM '61~~
0 0 0 2 0	Oct 23	12 05 AM '61
0 0 0 1 0	Oct 22	4 05 PM '61
0 0	Oct 22	8 [illegible] AM '61

#4

11-1-61

did not [illegible] 12:00

[illegible] 10/24 3:20 PM

10/23/61

-710-

0	0	0	2	5	Oct 23 12 05 AM '61
0	0	0	1	0	Oct 22 4 05 PM '61
0	0	0	2	0	Oct 22 8 05 AM '61
0	0	0	0	4	Oct 22 12 05 AM '61
0	0	0	3	4	Oct 21 4 05 PM '61
0	0	0	2	0	Oct 21 8 05 AM '61
0	0	0	2	0	Oct 21 12 05 AM '61
0	0	0	0	7	Oct 20 4 05 PM '61
0	0	0	1	0	Oct 20 [illegible]
0	0	0	2	4	Oct 19 7 59 AM '61
0	0	0	1	0	Oct 18 11 59 PM '61
0	0	0	2	0	Oct 18 3 59 PM '61
0	0	0	3	1	Oct 18 7 59 AM '61
0	0	0	1	0	Oct 17 11 59 PM '61
0	0	0	1	0	Oct 17 3 59 PM '61
0	0	0	4	0	Oct 17 7 59 AM '61
0	0	0	3	2	Oct 16 11 59 PM '61
0	0	0	0	0	Oct 16 3 59 PM '61
0	0	0	2	2	Oct 16 7 59 AM '61

Ruff Tried fixing it on Sunday, 10/22/61 [illegible]

Machine down at 7 PM 10/19/61 out of filter paper

Tom Kelsey and Ted Lind were at the mill on the 20th

-711-

					Oct 13 6 31 AM '61
					~~Oct 12 10 27 PM '61~~
0	0	0	2	9	Oct 12 4 01 PM '61
0	0	0	3	0	Oct 12 8 01 AM '61
0	0	0	5	0	Oct 12 12 01 AM '61
0	0	0	2	0	Oct 11 4 01 PM '61
0	0	0	3	0	Oct 11 8 01 AM '61
0	0	0	5	1	Oct 11 12 01 AM '61
0	0	0	2	0	Oct 10 4 01 PM '61
0	0	0	3	3	Oct 10 8 01 AM '61
0	0	0	4	0	Oct 10 12 01 AM '61
0	0	0	2	0	Oct 9 4 01 PM '61
0	0	0	6	3	Oct 9 8 01 AM '61
0	0	0	6	2	
					Oct 9 12 01 AM '61
0	0	0	3	0	Oct 8 4 01 PM '61
0	0	0	3	2	Oct 8 8 01 AM '61
0	0	0	4	3	Oct 8 12 01 AM '61
0	0	0	4	3	Oct 7 4 01 PM '61
0	0	0	5	1	Oct 7 8 01 AM '61
0	0	0	6	3	Oct 7 12 01 AM '61
0	0	0	2	4	Oct 6 4 01 PM '61
0	0	0	6	0	Oct 6 8 01 AM '61
0	0	0	1	3	Oct 6 7 01 AM '61
0	0	0	6	0	Oct 5 11 01 PM '61
0	0	0	7	1	Oct 5 3 01 PM '61
0	0	1	3	0	Oct 5 7 01 AM '61
0	0	0	5	0	Oct 4 11 01 PM '61
0	0	0	6	7	Oct 4 3 01 PM '61
0	0	1	1	2	Oct 4 5 31 AM '61
0	0	0	6	0	Oct 3 9 31 PM '61
0	0	0	4	0	Oct 3 1 31 PM '61
0	0	0	6	4	Oct 3 5 31 AM '61
0	0	0	2	0	Oct 2 9 31 PM '61
0	0	0	1	0	Oct 2 1 31 PM '61
0	0	1	0	0	Oct 2 5 31 AM '61
0	0	0	1	0	

True Correction

-712-

0	0	0	0	4
0	0	0	2	0
0	0	0	1	0
0	0	1	0	0
0	0	0	1	0

Oct 3 1 31 PM '61
Oct 3 5 31 AM '61
Oct 2 9 31 PM '61
Oct 2 1 31 PM '61
Oct 2 5 31 AM '61

Phy. Chem. Lab
Lab to Reservoir Line
Date - Air
Knight Village Pit
10-7-61
9:30

Tot. Act. = 40 No. samples = 81
Av. Act. = 0.49 No. > PAL = 2
% > PAL = 2.5

K-1420
Oct. '61

12-1-61
1420-E area
O.K.
#18 monitor

Checked
W.M.
12-7-61

0 0 0 4 2	Nov 31 12 03 AM '61
0 0 0 4 1	Nov 30 4 03 PM '61
0 0 0 3 7	Nov 30 8 03 AM '61
0 0 0 2 5	Nov 30 12 03 AM '61
0 0 0 1 9	Nov 29 4 03 PM '61
0 0 0 2 5	Nov 29 8 02 AM '61
0 0 0 2 2	Nov 29 12 03 AM '61
0 0 0 2 3	Nov 28 4 03 PM '61
0 0 0 2 2	Nov 28 8 02 AM '61
0 0 0 1 5	Nov 28 12 03 AM '61
0 0 0 2 8	Nov 27 4 02 PM '61
0 0 0 1 8	Nov 27 8 03 AM '61
0 0 0 1 5	Nov 27 12 03 AM '61
0 0 0 1 8	Nov 26 4 03 PM '61
0 0 0 3 2	Nov 26 8 03 AM '61
0 0 0 2 8	Nov 26 12 02 AM '61
0 0 0 2 4	Nov 25 4 03 PM '61
0 0 0 2 7	Nov 25 8 03 AM '61
0 0 0 1 6	Nov 25 12 02 AM '61
0 0 1 3 9	Nov 24 4 03 PM '61
0 0 0 2 1	Nov 24 8 03 AM '61
0 0 0 1 8	Nov 24 12 03 AM '61
0 0 0 2 1	Nov 23 4 03 PM '61
0 0 0 2 7	Nov 23 8 03 AM '61
0 0 0 3 0	Nov 23 12 03 AM '61
0 0 0 3 3	Nov 22 4 03 PM '61
0 0 0 3 6	Nov 22 8 03 AM '61
0 0 0 2 2	Nov 22 12 03 AM '61
0 0 2 2 2	Nov 21 4 03 PM '61
0 0 0 2 5	Nov 21 8 03 AM '61
0 0 0 2 3	Nov 21 12 03 AM '61
0 0 0 3 8	Nov 20 4 02 PM '61
[illegible]	Nov 20 8 03 AM '61

-714-

0 0 2 2 2	Nov 21 4 03 PM '61
0 0 0 2 5	Nov 21 8 03 AM '61
0 0 0 2 3	Nov 21 12 03 AM '61
0 0 0 3 8	Nov 20 4 02 PM '61
0 0 0 0 9	Nov 20 8 02 AM '61
0 0 0 1 1	Nov 20 12 02 AM '61
0 0 0 1 4	Nov 19 4 02 PM '61
0 0 0 1 2	Nov 19 8 03 AM '61
0 0 0 1 3	Nov 19 12 03 AM '61
0 0 0 1 3	Nov 18 4 02 PM '61
0 0 0 1 8	Nov 18 8 03 AM '61
0 0 0 1 6	Nov 18 12 03 AM '61
0 0 0 2 8	Nov 17 4 02 PM '61
0 0 0 1 3	Nov 17 8 02 AM '61
0 0 0 1 1	Nov 17 12 03 AM '61
0 0 0 4 8	Nov 16 4 03 PM '61
0 0 0 1 1	Nov 16 8 02 AM '61
0 0 0 1 3	Nov 16 12 03 AM '61
0 0 0 2 2	Nov 15 4 03 PM '61
0 0 0 1 4	Nov 15 8 03 AM '61
0 0 0 1 4	Nov 15 12 03 AM '61
0 0 0 1 5	Nov 14 4 03 PM '61
0 0 0 1 5	Nov 14 8 02 AM '61
0 0 0 2 1	Nov 14 12 03 AM '61
0 0 0 2 1	Nov 13 4 03 PM '61
0 0 0 3 1	Nov 13 8 03 AM '61
0 0 0 2 5	Nov 13 12 03 AM '61
0 0 0 2 2	Nov 12 4 02 PM '61
0 0 0 2 8	Nov 12 8 03 AM '61
0 0 0 2 3	Nov 12 12 03 AM '61
0 0 0 2 5	Nov 11 4 03 PM '61
0 0 0 3 4	Nov 11 8 03 AM '61
0 0 0 2 6	Nov 11 12 03 AM '61
0 0 0 3 7	Nov 10 4 03 PM '61
0 0 0 3 2	Nov 10 8 03 AM '61
0 0 0 1 9	Nov 10 12 02 AM '61
0 0 0 4 0	Nov 9 4 03 PM '61

-715-

0 0 0 3 4	Nov 11 8 03 AM '61
0 0 0 2 6	Nov 11 12 03 AM '61
0 0 0 3 7	Nov 10 4 03 PM '61
0 0 0 3 2	Nov 10 8 03 AM '61
0 0 0 1 9	Nov 10 12 02 AM '61
0 0 0 4 0	Nov 9 4 03 PM '61
0 0 0 2 7	Nov 9 8 03 AM '61
0 0 0 1 8	Nov 9 12 03 AM '61
0 0 0 3 7	Nov 8 4 03 PM '61
0 0 0 2 7	Nov 8 8 03 AM '61
0 0 0 1 8	Nov 8 12 02 AM '61
0 0 0 3 8	Nov 7 4 03 PM '61
0 0 0 1 9	Nov 7 8 03 AM '61
0 0 0 2 1	Nov 7 12 02 AM '61
0 0 0 3 9	Nov 6 4 03 PM '61
0 0 0 1 7	Nov 6 8 03 AM '61
0 0 0 1 8	Nov 6 12 03 AM '61
0 0 0 2 2	Nov 5 4 03 PM '61
0 0 0 2 3	Nov 5 8 03 AM '61
0 0 0 2 0	Nov 5 12 03 AM '61
0 0 0 2 2	Nov 4 4 03 PM '61
0 0 0 1 3	Nov 4 8 02 AM '61
0 0 0 1 1	Nov 4 12 02 AM '61
0 0 0 6 3	Nov 3 4 02 PM '61
0 0 0 1 3	Nov 3 8 03 AM '61
0 0 0 1 2	Nov 3 12 02 AM '61
0 0 0 2 6	Nov 2 4 03 PM '61
0 0 0 2 2	Nov 2 8 03 AM '61
0 0 0 1 5	Nov 2 12 03 AM '61
0 0 2 6 8	Nov 1 4 02 PM '61

8 Bonsenks
Life Reserve
Ellis Island
11-1-61

TOT. ACT. = 27 NO. SAMPLES = 91
AV ACT. = 0.30 NO. > PAL = 2
% > PAL = 2.2

KT-1420 Rec
NOV. '61

00013

Nov 1 8 02 AM '61

#4 monitor
1470 "B" Area
12-1-61
OK

checked
WEM
12-7-61

0	0	1	0	0	Nov 31 12 00 AM '61
0	0	2	0	0	Nov 30 4 00 PM '61
0	0	1	0	4	Nov 30 8 00 AM '61
0	0	1	2	0	Nov 30 12 00 AM '61
0	0	2	4	0	Nov 29 4 00 PM '61
0	0	0	4	2	Nov 29 8 00 AM '61
0	0	0	3	0	Nov 29 12 00 AM '61
0	0	0	3	0	Nov 28 4 00 PM '61
0	0	0	1	1	Nov 28 8 00 AM '61
0	0	0	1	0	Nov 28 12 00 AM '61
0	0	0	0	0	Nov 27 4 00 PM '61
0	0	0	2	0	Nov 27 8 00 AM '61
0	0	0	2	2	Nov 27 12 00 AM '61
0	0	0	4	3	Nov 26 4 00 PM '61
0	0	0	4	2	Nov 26 8 00 AM '61
0	0	0	4	0	Nov 26 12 00 AM '61
0	0	0	3	0	Nov 25 4 00 PM '61
0	0	0	0	3	Nov 25 8 00 AM '61
0	0	0	2	0	Nov 25 12 00 AM '61
0	0	0	2	0	Nov 24 4 00 PM '61
0	0	0	1	1	Nov 24 8 00 AM '61
0	0	0	1	1	Nov 24 12 00 AM '61
0	0	0	1	1	Nov 23 4 00 PM '61
0	0	0	1	4	Nov 23 8 00 AM '61
0	0	0	2	0	Nov 23 12 00 AM '61
0	0	0	3	0	Nov 22 4 00 PM '61
0	0	0	2	3	Nov 22 8 00 AM '61
0	0	0	2	4	Nov 22 12 00 AM '61
0	0	2	3	1	Nov 21 4 00 PM '61
0	0	0	2	0	Nov 21 8 00 AM '61
0	0	0	0	2	Nov 21 12 00 AM '61
0	0	0	0	0	Nov 20 4 00 PM '61
					Nov 20 8 00 AM '61

-718-

0 0 0 9 3	Nov 22 4 00 PM '61
0 0 0 2 3	Nov 22 8 00 AM '61
0 0 0 2 4	Nov 22 12 00 AM '61
0 0 2 9 1	Nov 21 4 00 PM '61
0 0 0 2 0	Nov 21 8 00 AM '61
0 0 0 3 2	Nov 21 12 00 AM '61
0 0 0 0 0	Nov 20 4 00 PM '61
0 0 0 2 0	Nov 20 8 00 AM '61
0 0 0 2 0	Nov 20 12 00 AM '61
0 0 0 2 0	Nov 19 4 00 PM '61
0 0 0 2 0	Nov 19 8 00 AM '61
0 0 0 2 1	Nov 19 12 00 AM '61
0 0 0 2 0	Nov 18 4 00 PM '61
0 0 0 3 4	Nov 18 8 00 AM '61
0 0 0 2 0	Nov 18 12 00 AM '61
0 0 0 1 0	Nov 17 4 00 PM '61
0 0 0 2 0	Nov 17 8 00 AM '61
0 0 0 1 3	Nov 17 12 00 AM '61
0 0 0 2 4	Nov 16 4 00 PM '61
0 0 0 1 3	Nov 16 8 00 AM '61
0 0 0 3 0	Nov 16 12 00 AM '61
0 0 3 1 3	Nov 15 4 00 PM '61
0 0 0 1 3	Nov 15 8 00 AM '61
0 0 0 1 0	Nov 15 12 00 AM '61
0 0 0 3 0	Nov 14 4 00 PM '61
0 0 0 1 1	Nov 14 8 00 AM '61
0 0 1 9 0	Nov 14 12 00 AM '61
0 0 2 3 4	Nov 13 4 00 PM '61
0 0 0 4 0	Nov 13 8 00 AM '61
0 0 0 2 3	Nov 13 12 00 AM '61
0 0 0 2 1	Nov 12 4 00 PM '61
0 0 0 2 3	Nov 12 8 00 AM '61
0 0 0 2 0	Nov 12 12 00 AM '61
0 0 0 2 1	Nov 11 4 00 PM '61
0 0 0 3 1	Nov 11 8 00 AM '61
0 0 0 4 0	Nov 11 12 00 AM '61
0 0 0 1 0	Nov 10 4 00 PM '61
0 0 0 5 0	Nov 10 8 00 AM '61
0 0 0 5 0	Nov 10 12 00 AM '61
0 0 0 4 0	Nov 9 4 00 PM '61
0 0 0 5 1	Nov 9 8 00 AM '61

-719-

0 0 0 2 7	Nov 11 4 00 PM '61
0 0 0 3 1	Nov 11 8 00 AM '61
0 0 0 4 0	Nov 11 12 00 AM '61
0 0 0 1 8	Nov 10 4 00 PM '61
0 0 0 5 0	Nov 10 8 00 AM '61
0 0 0 5 0	Nov 10 12 00 AM '61
0 0 0 4 8	Nov 9 4 00 PM '61
0 0 0 5 1	Nov 9 8 00 AM '61
0 0 0 5 4	Nov 9 12 00 AM '61
0 0 0 3 5	Nov 8 4 00 PM '61
0 0 0 2 4	Nov 8 8 00 AM '61
0 0 0 3 2	Nov 8 12 00 AM '61
0 0 0 1 8	Nov 7 4 00 PM '61
0 0 0 1 2	Nov 7 8 00 AM '61
0 0 0 0 8	Nov 7 12 00 AM '61
0 0 0 1 7	Nov 6 4 00 PM '61
0 0 0 1 4	Nov 6 8 00 AM '61
0 0 0 1 0	Nov 6 12 00 AM '61
0 0 0 1 4	Nov 5 4 00 PM '61
0 0 0 1 0	Nov 5 8 00 AM '61
0 0 0 1 0	Nov 5 12 00 AM '61
0 0 0 1 5	Nov 4 4 00 PM '61
0 0 0 0 8	Nov 4 8 00 AM '61
0 0 0 1 2	Nov 4 12 00 AM '61
0 0 0 3 7	Nov 3 4 00 PM '61
0 0 0 1 0	Nov 3 8 00 AM '61
0 0 0 1 4	Nov 3 12 00 AM '61
0 0 0 2 0	Nov 2 4 00 PM '61
0 0 0 2 7	Nov 2 8 00 AM '61
0 0 0 1 0	Nov 2 12 00 AM '61
0 0 1 8 0	Nov 1 4 00 PM '61

Filter paper from a dryer

Atmospheric Pro Research
"Blue Blue"
11-1-61

-120-

TOT. ACT. = 51 NO. SAMPLES = 90
AV. ACT. = 0.57 NO. > PAL = 6
% > PAL = 6.7

K-1420
NOV. '61

U U U I U

Nov 1 8 00 AM '61

#14 Monitor
1420 H Bree
12-1-61

checked WEM 12-7-61

0 0 0 1 5	Nov 31 11 58 AM '61
0 0 0 5 0	Nov 31 3 58 AM '61
~~0 0 0 2 5~~	~~Nov 30 8 48 PM '61~~
0 0 1 1 7	Nov 30 7 56 AM '61
0 0 0 7 2	Nov 29 11 56 PM '61
0 0 0 7 8	Nov 29 3 56 PM '61
0 0 0 6 2	Nov 29 7 56 AM '61
0 0 0 6 9	Nov 28 11 56 PM '61
0 0 1 8 6	Nov 28 3 56 PM '61
0 0 0 5 0	Nov 28 7 56 AM '61
0 0 0 4 0	Nov 27 11 56 PM '61
0 0 2 2 9	Nov 27 3 56 PM '61
0 0 0 3 8	Nov 27 7 56 AM '61
0 0 0 3 1	Nov 26 11 56 PM '61
0 0 0 5 2	Nov 26 3 56 PM '61
0 0 0 7 5	Nov 26 7 56 AM '61
0 0 0 5 4	Nov 25 11 56 PM '61
0 0 0 5 0	Nov 25 3 56 PM '61
0 0 0 7 3	Nov 25 7 56 AM '61
0 0 0 3 6	Nov 24 11 56 PM '61
0 0 4 1 6	Nov 24 3 56 PM '61
0 0 0 3 3	Nov 24 7 56 AM '61
0 0 0 2 9	Nov 23 11 56 PM '61
0 0 0 2 2	Nov 23 3 56 PM '61
0 0 0 3 3	Nov 23 7 56 AM '61
0 0 0 3 6	Nov 22 11 56 PM '61
0 0 0 5 2	Nov 22 3 56 PM '61
0 0 0 1 6	Nov 22 7 56 AM '61
0 0 0 1 8	Nov 21 11 56 PM '61
0 0 0 4 8	Nov 21 3 56 PM '61

Replaced

Replacing Ro-Flow meter

722

0	U	U	2	2	Nov 23 3 56 PM '61
0	U	U	3	0	Nov 23 7 56 AM '61
0	U	U	3	0	Nov 22 11 56 PM '61
0	U	U	5	2	Nov 22 3 56 PM '61
0	U	U	1	0	Nov 22 7 56 AM '61
0	U	U	1	3	Nov 21 11 56 PM '61
0	U	2	4	0	Nov 21 3 56 PM '61
0	U	U	1	2	Nov 21 7 56 AM '61
0	U	U	1	2	Nov 20 11 56 PM '61
0	U	U	2	0	Nov 20 3 56 PM '61
0	U	U	3	2	Nov 20 7 56 AM '61
0	U	U	1	0	Nov 19 11 56 PM '61
0	U	U	1	4	Nov 19 3 56 PM '61
0	U	U	1	0	Nov 19 7 56 AM '61
0	U	U	1	0	Nov 18 11 56 PM '61
0	U	U	1	0	Nov 18 3 56 PM '61
0	U	U	2	4	Nov 18 7 56 AM '61
0	U	U	2	0	Nov 17 11 56 PM '61
0	U	U	3	1	Nov 17 3 56 PM '61
0	U	U	1	2	Nov 17 7 56 AM '61
0	U	U	1	4	Nov 16 11 56 PM '61
0	U	2	2	1	Nov 16 3 56 PM '61
0	U	U	2	0	Nov 16 7 56 AM '61
0	U	U	2	0	Nov 15 11 56 PM '61
0	U	3	1	2	Nov 15 3 56 PM '61
0	U	U	1	2	Nov 15 7 56 AM '61
0	U	U	1	0	Nov 14 11 56 PM '61
0	U	U	0	7	Nov 14 3 56 PM '61
0	U	U	0	5	Nov 14 7 56 AM '61
0	U	U	0	4	Nov 13 11 56 PM '61
0	U	U	4	4	Nov 13 3 56 PM '61
0	U	U	2	4	Nov 13 7 56 AM '61
0	U	U	1	0	Nov 12 11 56 PM '61
0	U	U	1	0	Nov 12 3 56 PM '61
0	U	U	2	1	Nov 12 7 56 AM '61
0	U	U	2	0	Nov 11 11 56 PM '61
0	U	U	1	0	Nov 11 3 56 PM '61

new ball filter tempera 11/1/6

-723-

new file

0	0	0	4	4	Nov	13	3	56	PM	'61
0	0	0	2	4	Nov	13	7	56	AM	'61
0	0	0	1	0	Nov	12	11	56	PM	'61
0	0	0	1	0	Nov	12	3	56	PM	'61
0	0	0	2	1	Nov	12	7	56	AM	'61
0	0	0	2	0	Nov	11	11	56	PM	'61
0	0	0	1	0	Nov	11	3	56	PM	'61
0	0	0	2	0	Nov	11	7	56	AM	'61
0	0	0	2	3	Nov	10	11	56	PM	'61
0	0	1	5	0	Nov	10	3	56	PM	'61
0	0	0	3	0	Nov	10	7	56	AM	'61
0	0	0	1	0	Nov	9	11	56	PM	'61
0	0	0	3	3	Nov	9	3	56	PM	'61
0	0	0	2	2	Nov	9	7	56	AM	'61
0	0	0	1	4	Nov	8	11	56	PM	'61
0	0	0	4	0	Nov	8	3	56	PM	'61
0	0	0	2	2	Nov	8	7	56	AM	'61
0	0	0	1	0	Nov	7	11	56	PM	'61
0	0	1	0	0	Nov	7	3	56	PM	'61
0	0	0	1	0	Nov	7	7	56	AM	'61
0	0	0	1	7	Nov	6	11	56	PM	'61
0	0	2	9	9	Nov	6	3	56	PM	'61
0	0	0	1	3	Nov	6	7	56	AM	'61
0	0	0	1	2	Nov	5	11	56	PM	'61
0	0	0	1	2	Nov	5	3	56	PM	'61
0	0	0	1	4	Nov	5	7	56	AM	'61
0	0	0	1	4	Nov	4	11	56	PM	'61
0	0	0	1	2	Nov	4	3	56	PM	'61
0	0	0	0	0	Nov	4	7	56	AM	'61
0	0	0	1	2	Nov	3	11	56	PM	'61
0	0	0	9	9	Nov	3	3	56	PM	'61
0	0	0	1	1	Nov	3	7	56	AM	'61
0	0	0	1	3	Nov	2	11	56	PM	'61
0	0	0	6	6	Nov	2	3	56	PM	'61
0	0	0	2	0	Nov	2	7	56	AM	'61
0	0	0	1	7	Nov	1	11	56	PM	'61
0	0	1	3	8	Nov	1	3	56	PM	'61

0 0 0 1 3	Nov 2 11 56 PM '61
0 0 0 6 5	Nov 2 3 56 PM '61
0 0 0 2 0	Nov 2 7 56 AM '61
0 0 0 1 7	Nov 1 11 56 PM '61
0 0 1 3 5	Nov 1 3 56 PM '61

Fremont
Hyre Electrometer
Hilliker
Dec 1956
11-5-61

-125-

TOT. ACT. = 48 NO. SAMPLES = 90
AV. ACT. = 0.53 NO. > PAL = 6
% - PAL = 6.7

TOT. ACT. = 48 NO. SAMPLES = 90
AV. ACT. = 0.53 NO. > PAL = 6
% > PAL = 6.7

K-1420 Rec.
NOV. 61

0 0 0 1 4 Nov 1 7 56 AM '61

checked
WCM
12-2-61

Dec 1 - 1961
#5 monitor
1420 Large Equip Loc D-5
O.K.

0 0 0 2 3	[illegible] 31 12 00 AM '61
0 0 0 3 2	[illegible] 30 4 00 PM '61
0 0 0 3 3	Nov 30 8 00 AM '61
0 0 0 1 5	[illegible] 30 12 00 AM '61
0 0 0 1 3	Nov 29 4 00 PM '61
0 0 0 1 5	[illegible] 29 8 00 AM '61
0 0 0 0 9	[illegible] 29 12 00 AM '61
0 0 0 1 2	Nov 28 4 00 PM '61
0 0 0 0 2	[illegible] 28 8 00 AM '61
0 0 0 0 2	[illegible] 28 12 00 AM '61
0 0 0 1 4	Nov 27 4 00 PM '61
0 0 0 0 4	Nov 27 8 00 AM '61
0 0 0 0 4	[illegible] 27 12 00 AM '61
0 0 0 0 7	[illegible] 26 4 00 PM '61
0 0 0 1 5	Nov 26 8 00 AM '61
0 0 0 0 8	[illegible] 26 12 00 AM '61
0 0 0 0 7	[illegible] 25 4 00 PM '61
0 0 0 1 6	Nov 25 8 00 AM '61
0 0 0 0 7	[illegible] 25 12 00 AM '61
0 0 0 3 2	[illegible] 24 4 00 PM '61
0 0 0 1 0	Nov 24 8 00 AM '61
0 0 0 0 3	[illegible] 24 12 00 AM '61
0 0 0 0 5	[illegible] 23 4 00 PM '61
0 0 0 0 9	[illegible] 23 8 00 AM '61
0 0 0 1 0	Nov 23 12 00 AM '61
0 0 0 1 1	[illegible] 22 4 00 PM '61
	[illegible] 8 00 AM '61

-727-

0 0 0 3 2	[illegible] 24 4 00 PM '61
0 0 0 1 0	Nov 24 8 00 AM '61
0 0 0 0 3	[illegible] 24 12 00 AM '61
0 0 0 0 5	[illegible] 23 4 00 PM '61
0 0 0 0 9	[illegible] 23 8 00 AM '61
0 0 0 1 0	Nov 23 12 00 AM '61
0 0 0 1 1	[illegible] 22 4 00 PM '61
0 0 0 1 6	[illegible] 22 8 00 AM '61
0 0 0 1 0	Nov 22 12 00 AM '61
0 0 0 4 1	[illegible] 21 4 00 PM '61
0 0 0 0 6	[illegible] 21 8 00 AM '61
0 0 0 0 7	[illegible] 21 12 00 AM '61
0 0 0 1 1	[illegible] 20 4 00 PM '61
0 0 0 0 6	[illegible] 20 8 00 AM '61
0 0 0 0 6	[illegible] 20 12 00 AM '61
0 0 0 0 6	[illegible] 19 4 00 PM '61
0 0 0 0 6	Nov 19 8 00 AM '61
0 0 0 0 7	[illegible] 19 12 00 AM '61
0 0 0 0 4	[illegible] 18 4 00 PM '61
0 0 0 1 1	[illegible] 18 8 00 AM '61
0 0 0 0 8	[illegible] 12 00 AM '61
0 0 0 1 1	[illegible] 17 4 00 PM '61
0 0 0 0 5	[illegible] 8 00 AM '61
0 0 0 0 4	Nov 17 12 00 AM '61
~~0 0 0 0 0~~	~~[illegible] 4 00 PM '61~~
0 0 0 0 2	[illegible] 16 4 00 PM '61
0 0 0 0 4	[illegible] 16 8 00 AM '61
0 0 0 0 5	[illegible] 16 12 00 AM '61
0 0 0 1 2	[illegible] 15 4 00 PM '61
0 0 0 0 7	[illegible] 15 8 00 AM '61
0 0 0 0 9	[illegible] 15 12 00 AM '61
0 0 0 1 1	[illegible] 4 00 PM '61
0 0 0 0 9	[illegible] 14 8 00 AM '61
0 0 0 1 3	[illegible] 14 12 00 AM '61
0 0 0 1 5	[illegible] 4 00 PM '61
0 0 0 1 8	[illegible] 8 00 AM '61
[illegible]	[illegible] 12 00 AM '61

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0	0	0	0	9	[illegible]	15	12	00 AM '61
0	0	0	1	1	[illegible]	[illegible]	4	00 PM '61
0	0	0	0	9	[illegible]	14	8	00 AM '61
0	0	0	1	3	[illegible]	14	12	00 AM '61
0	0	0	1	5	[illegible]	[illegible]	4	00 PM '61
0	0	0	1	8	[illegible]	[illegible]	8	00 PM '61
0	0	0	1	3	[illegible]	13	12	00 AM '61
0	0	0	0	9	[illegible]	[illegible]	4	00 PM '61
0	0	0	1	5	[illegible]	12	8	00 AM '61
0	0	0	1	1	[illegible]	12	12	00 AM '61
0	0	0	1	1	[illegible]	[illegible]	4	00 PM '61
0	0	0	2	4	[illegible]	11	8	00 AM '61
0	0	0	1	2	[illegible]	[illegible]	12	00 AM '61
0	0	0	1	3	Nov	10	4	00 PM '61
0	0	0	2	0	[illegible]	10	8	00 AM '61
0	0	0	1	3	[illegible]	[illegible]	12	00 AM '61
0	0	0	1	4	[illegible]	[illegible]	4	00 PM '61
0	0	0	1	7	[illegible]	[illegible]	8	00 AM '61
0	0	0	0	8	[illegible]	9	12	00 AM '61
0	0	0	0	9	[illegible]	8	4	00 PM '61
0	0	0	1	5	[illegible]	8	8	00 AM '61
0	0	0	0	8	[illegible]	8	12	00 AM '61
0	0	0	1	9	[illegible]	7	4	00 PM '61
0	0	0	0	9	Nov	7	8	00 AM '61
0	0	0	0	7	[illegible]	7	12	00 AM '61
0	0	0	1	0	Nov	6	4	00 PM '61
0	0	0	0	5	[illegible]	6	8	00 AM '61
0	0	0	0	5	Nov	6	12	00 AM '61
0	0	0	0	6	Nov	5	4	00 PM '61
0	0	0	0	7	Nov	5	8	00 AM '61
0	0	0	0	5	[illegible]	5	12	00 AM '61
0	0	0	0	5	Nov	4	4	00 PM '61
0	0	0	0	0	[illegible]	[illegible]	8	03 AM '61
0	0	0	0	4	Nov	4	8	00 AM '61
0	0	0	0	4	[illegible]	4	12	00 AM '61
0	0	0	0	3	[illegible]	3	4	00 PM '61
0	0	0	0	2	Nov	3	8	00 AM '61
0	0	0	0	5	Nov	3	12	00 AM '61
0	0	0	1	1	[illegible]	2	4	00 PM '61
0	0	0	1	6	[illegible]	2	8	00 AM '61

0	0	0	0	0	[illegible]	[illegible]	8 00 AM	'61
0	0	0	0	4	Nov	4	8 00 AM	'61
0	0	0	0	4	[illegible]	4	12 00 AM	'61
0	0	0	0	3	[illegible]	3	4 00 PM	'61
0	0	0	0	2	Nov	3	8 00 AM	'61
0	0	0	0	5	Nov	3	12 00 AM	'61
0	0	0	1	1	[illegible]	2	4 00 PM	'61
0	0	0	1	6	[illegible]	2	8 00 AM	'61
0	0	0	0	8	[illegible]	2	12 00 AM	'61
0	0	0	3	4	[illegible]	1	4 00 PM	'61

Transmitted
Photo Geo. Grp.
Geo D-5
11-1-61

Tot. Act. = 9.7 No. Sample = 92
Av. Act. = 0.11 No. > PAL = 0
% > PAL = 0

RT-1420
NOV. '61

ALL K-1420
NOV. '61

Tot. Act. = 136 No. Samples = 363
Av. Act. = 0.37 No. > PAL = 14
% > PAL = 3.9

0 0 0 0 0 Nov 1 8 03 AM '61
0 0 0 0 8 Nov 1 8 00 AM '61

0	U	U	8	6	#17 Monitor	Dec 31	11 58 PM '61
0	U	U	7	6		Dec 31	3 58 PM '61
0	U	U	6	4	K/H 20	Dec 31	7 58 AM '61
0	U	U	7	4	H/Lera	Dec 30	11 58 PM '61
0	U	1	2	2	1-2-61	Dec 30	3 58 PM '61
0	U	U	8	7		Dec 30	7 58 AM '61
0	U	4	8	4	OK WEM 1-4-62	Dec 29	11 58 PM '61
0	U	1	6	4		Dec 29	3 58 PM '61
0	U	U	1	3		Dec 29	7 58 AM '61
0	U	U	2	4		Dec 28	11 58 PM '61
0	U	U	8	6		Dec 28	3 58 PM '61
0	U	U	1	6		Dec 28	7 58 AM '61
0	U	U	1	2		Dec 27	11 58 PM '61
0	U	4	5	2	-4.53	Dec 27	3 58 PM '61
0	U	U	2	5	.20	Dec 27	7 58 AM '61
0	U	U	1	5	.19	Dec 26	11 58 PM '61
0	U	1	3	1		Dec 26	3 58 PM '61
0	U	U	2	3		Dec 26	7 58 AM '61
0	U	U	1	6		Dec 25	11 58 PM '61
0	U	U	1	0		Dec 25	3 58 PM '61
0	U	U	1	1		Dec 25	7 58 AM '61
0	U	U	1	1		Dec 24	11 58 PM '61
0	U	U	1	2		Dec 24	3 58 PM '61
0	U	U	1	3		Dec 24	7 58 AM '61
0	U	U	1	2		Dec 23	11 58 PM '61
0	U	U	1	1		Dec 23	3 58 PM '61
0	U	U	1	6		Dec 23	7 58 AM '61
0	U	U	2	0		Dec 22	11 58 PM '61
0	U	U	3	9		Dec 22	3 58 PM '61
0	U	U	2	5		Dec 22	7 58 AM '61
0	U	U	1	8		Dec 21	11 58 PM '61
0	U	U	2	5		Dec 21	3 58 PM '61
0	U	U	1	6		Dec 21	7 58 AM '61
0	U	U	1	1		Dec 20	11 58 PM '61
0	U	U	3	3		Dec 20	3 58 PM '61
0	U	U	1	2		Dec 20	7 58 AM '61
0	U	U	1	8	-132-	Dec 19	11 58 PM '61
0	U	U	4	3		Dec 19	3 58 PM '61

0	0	0	1	2	Dec 23 11 58 PM '61
0	0	0	1	1	Dec 23 3 58 PM '61
0	0	0	1	6	Dec 23 7 58 AM '61
0	0	0	2	0	Dec 22 11 58 PM '61
0	0	0	3	9	Dec 22 3 58 PM '61
0	0	0	2	5	Dec 22 7 58 AM '61
0	0	0	1	8	Dec 21 11 58 PM '61
0	0	0	2	5	Dec 21 3 58 PM '61
0	0	0	1	6	Dec 21 7 58 AM '61
0	0	0	1	1	Dec 20 11 58 PM '61
0	0	0	3	3	Dec 20 3 58 PM '61
0	0	0	1	2	Dec 20 7 58 AM '61
0	0	0	1	8	Dec 19 11 58 PM '61
0	0	0	4	3	Dec 19 3 58 PM '61
0	0	0	1	3	Dec 19 7 58 AM '61
0	0	0	1	7	Dec 18 11 58 PM '61
0	0	0	0	0	Dec 18 3 58 PM '61
0	0	0	1	0	Dec 18 7 58 AM '61
0	0	0	1	1	Dec 17 11 58 PM '61
0	0	0	1	0	Dec 17 3 58 PM '61
0	0	0	1	1	Dec 17 7 58 AM '61
0	0	0	1	1	Dec 16 11 58 PM '61
0	0	0	1	1	Dec 16 3 58 PM '61
0	0	0	1	4	Dec 16 7 58 AM '61
0	0	0	3	8	Dec 15 11 58 PM '61
0	0	4	7	9	Dec 15 3 58 PM '61
0	0	0	1	7	Dec 15 7 58 AM '61
0	0	0	1	4	Dec 14 11 58 PM '61
0	0	0	1	8	Dec 14 3 58 PM '61
0	0	0	1	5	Dec 14 7 58 AM '61
0	0	0	1	2	Dec 13 11 58 PM '61
0	0	1	2	0	Dec 13 3 58 PM '61
0	0	1	4	3	Dec 13 7 58 AM '61
0	0	0	1	2	Dec 12 11 58 PM '61
0	0	0	4	1	Dec 12 3 58 PM '61
0	0	0	1	2	Dec 12 7 58 AM '61
0	0	0	1	3	Dec 11 11 58 PM '61
0	0	0	4	1	Dec 11 3 58 PM '61
0	0	0	1	6	Dec 11 7 58 AM '61

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0	0	0	1	4	Dec 14 11 58 PM '61
0	0	0	1	8	Dec 14 3 58 PM '61
0	0	0	1	5	Dec 14 7 58 AM '61
0	0	0	1	2	Dec 13 11 58 PM '61
0	0	1	2	0	Dec 13 3 58 PM '61
0	0	1	4	3	Dec 13 7 58 AM '61
0	0	0	1	2	Dec 12 11 58 PM '61
0	0	0	4	1	Dec 12 3 58 PM '61
0	0	0	1	2	Dec 12 7 58 AM '61
0	0	0	1	3	Dec 11 11 58 PM '61
0	0	0	4	1	Dec 11 3 58 PM '61
0	0	0	1	6	Dec 11 7 58 AM '61
0	0	0	1	3	Dec 10 11 58 PM '61
0	0	0	1	2	Dec 10 3 58 PM '61
0	0	0	1	4	Dec 10 7 58 AM '61
0	0	0	1	2	Dec 9 11 58 PM '61
0	0	0	1	5	Dec 9 3 58 PM '61
0	0	0	1	8	Dec 9 7 58 AM '61
0	0	0	3	6	Dec 8 11 58 PM '61
0	0	0	4	6	Dec 8 3 58 PM '61
0	0	0	1	2	Dec 8 7 58 AM '61
0	0	0	1	8	Dec 8 11 58 AM '61
0	0	1	5	7	Dec 8 3 58 AM '61
0	0	0	1	8	Dec 7 7 58 PM '61
0	0	0	1	6	Dec 7 11 58 AM '61
0	0	0	5	9	Dec 7 3 58 AM '61
0	0	0	2	3	Dec 6 7 58 PM '61
0	0	0	2	1	Dec 6 11 58 AM '61
0	0	0	2	2	Dec 6 3 58 AM '61
0	0	0	1	7	Dec 5 7 58 PM '61
0	0	0	2	3	Dec 5 11 58 AM '61
0	0	0	4	8	Dec 5 3 58 AM '61
0	0	0	3	0	Dec 4 7 58 PM '61
0	0	0	2	9	Dec 4 11 58 AM '61
0	0	0	1	8	Dec 4 3 58 AM '61
0	0	0	3	7	Dec 3 7 58 PM '61
0	0	0	1	5	Dec 3 11 58 AM '61
0	0	0	1	6	Dec 3 3 58 AM '61

-734-

0 0 0 2 2	Dec 6 3 58 AM '61
0 0 0 1 7	Dec 5 7 58 PM '61
0 0 0 2 3	Dec 5 11 58 AM '61
0 0 0 4 8	Dec 5 3 58 AM '61
0 0 0 3 0	Dec 4 7 58 PM '61
0 0 0 2 9	Dec 4 11 58 AM '61
0 0 0 1 8	Dec 4 3 58 AM '61
0 0 0 3 7	Dec 3 7 58 PM '61
0 0 0 1 5	Dec 3 11 58 AM '61
0 0 0 1 6	Dec 3 3 58 AM '61
0 0 0 2 5	Dec 2 7 58 PM '61
0 0 0 1 9	Dec 2 11 58 AM '61
0 0 2 2 0	Dec 2 3 58 AM '61
0 0 0 2 6	Dec 1 7 58 PM '61

Well #1 Cuss
Wynnell #1
19-1-61

Total Act. 52.58 No of Samples 93
Average Act. 0.57 No > PAL 5
% > PAL 5.4

K-1420 "H" Area
Dec. 1961

#5 Inventory 1/30 Large Equip Loc D-5

0	0	0	1	7	Dec 31	11 57 PM '61
0	0	0	2	6	Dec 31	3 57 PM '61
0	0	0	4	6	Dec 31	7 57 AM '61
0	0	0	4	5	Dec 30	11 57 PM '61
0	0	0	1	6	Dec 30	3 57 PM '61
0	0	2	1	6	Dec 30	7 57 AM '61
0	0	1	1	5	Dec 29	11 57 PM '61
0	0	2	0	6	Dec 29	3 57 PM '61
0	0	1	1	2	Dec 29	7 57 AM '61
0	0	0	2	0	Dec 28	11 57 PM '61
0	0	1	0	7	Dec 28	3 57 PM '61
0	0	0	1	2	Dec 28	7 57 AM '61
0	0	0	1	2	Dec 27	11 57 PM '61
0	0	0	6	1	Dec 27	3 57 PM '61
0	0	0	2	1	Dec 27	7 57 AM '61
0	0	0	1	9	Dec 26	11 57 PM '61
0	0	0	3	1	Dec 26	3 57 PM '61
0	0	0	2	4	Dec 26	7 57 AM '61
0	0	0	1	5	Dec 25	11 57 PM '61
0	0	0	1	0	Dec 25	3 57 PM '61
0	0	0	1	0	Dec 25	7 57 AM '61
0	0	0	1	1	Dec 24	11 57 PM '61
0	0	0	1	2	Dec 24	3 57 PM '61
0	0	0	1	2	Dec 24	7 57 AM '61
0	0	0	1	2	Dec 23	11 57 PM '61
0	0	0	1	1	Dec 23	3 57 PM '61
0	0	0	1	4	Dec 23	7 57 AM '61
0	0	0	1	9	Dec 22	11 57 PM '61
0	0	0	0	9	Dec 22	3 57 PM '61
0	0	0	0	7	Dec 22	7 57 AM '61
0	0	0	1	2	Dec 21	11 57 PM '61
0	0	0	2	7	Dec 21	3 57 PM '61
0	0	0	1	9	Dec 21	7 57 AM '61
0	0	0	1	2	Dec 20	11 57 PM '61
0	0	0	3	7	Dec 20	3 57 PM '61
0	0	0	1	2	Dec 20	7 57 AM '61
0	0	0	1	5	Dec 19	11 57 PM '61
0	0	0	1	4	Dec 19	3 57 PM '61
0	0	0	1	1	Dec 19	7 57 AM '61
0	0	0	0	9	Dec 18	11 57 PM '61
0	0	0	1	0	Dec 18	3 57 PM '61
					Dec 18	7 57 AM '61

0 0 0 1 2	Dec 23 11 57 PM '61
0 0 0 1 1	Dec 23 3 57 PM '61
0 0 0 1 4	Dec 23 7 57 AM '61
0 0 0 1 9	Dec 22 11 57 PM '61
0 0 0 0 9	Dec 22 3 57 PM '61
0 0 0 0 7	Dec 22 7 57 AM '61
0 0 0 1 2	Dec 21 11 57 PM '61
0 0 0 2 7	Dec 21 3 57 PM '61
0 0 0 1 9	Dec 21 7 57 AM '61
0 0 0 1 2	Dec 20 11 57 PM '61
0 0 0 3 7	Dec 20 3 57 PM '61
0 0 0 1 2	Dec 20 7 57 AM '61
0 0 0 1 5	Dec 19 11 57 PM '61
0 0 0 1 4	Dec 19 3 57 PM '61
0 0 0 1 1	Dec 19 7 57 AM '61
0 0 0 0 9	Dec 18 11 57 PM '61
0 0 0 1 0	Dec 18 3 57 PM '61
0 0 0 1 2	Dec 18 7 57 AM '61
0 0 0 1 0	Dec 17 11 57 PM '61
0 0 0 0 9	Dec 17 3 57 PM '61
0 0 0 1 0	Dec 17 7 57 AM '61
0 0 0 1 2	Dec 16 11 57 PM '61
0 0 0 1 4	Dec 16 3 57 PM '61
0 0 0 1 5	Dec 16 7 57 AM '61
0 0 0 4 5	Dec 15 11 57 PM '61
0 0 0 5 1	Dec 15 3 57 PM '61
0 0 0 1 5	Dec 15 7 57 AM '61
0 0 0 1 6	Dec 14 11 57 PM '61
0 0 0 4 3	Dec 14 3 57 PM '61
0 0 0 1 9	Dec 14 7 57 AM '61
0 0 0 1 4	Dec 13 11 57 PM '61
0 0 0 7 1	Dec 13 3 57 PM '61
0 0 2 1 8	Dec 13 7 57 AM '61
0 0 0 0 9	Dec 12 11 57 PM '61
0 0 0 0 6	Dec 12 3 57 PM '61
0 0 0 1 2	Dec 12 7 57 AM '61
0 0 0 1 3	Dec 11 11 57 PM '61
0 0 0 2 0	Dec 11 3 57 PM '61
0 0 0 2 6	Dec 11 7 57 AM '61
~~0 0 0 1 1~~	~~Dec 11 5 46 AM '61~~
~~0 0 0 [illegible]~~	~~Dec 11 [illegible] AM '61~~

-737-

0 0 0 5 1	Dec 15 3 57 PM '61
0 0 0 1 5	Dec 15 7 57 AM '61
0 0 0 1 6	Dec 14 11 57 PM '61
0 0 0 4 3	Dec 14 3 57 PM '61
0 0 0 1 9	Dec 14 7 57 AM '61
0 0 0 1 4	Dec 13 11 57 PM '61
0 0 0 7 1	Dec 13 3 57 PM '61
0 0 2 1 8	Dec 13 7 57 AM '61
0 0 0 0 9	Dec 12 11 57 PM '61
0 0 0 0 6	Dec 12 3 57 PM '61
0 0 0 1 2	Dec 12 7 57 AM '61
0 0 0 1 3	Dec 11 11 57 PM '61
0 0 0 2 0	Dec 11 3 57 PM '61
0 0 0 2 6	Dec 11 7 57 AM '61
~~0 0 0 1 1~~	~~Dec 11 5 46 AM '61~~
~~0 0 0 0 0~~	~~Dec 11 12 00 AM '61~~
0 0 0 0 9	Dec 10 11 57 PM '61
0 0 0 0 8	Dec 10 3 57 PM '61
0 0 0 0 8	Dec 10 7 57 AM '61
0 0 0 0 8	Dec 9 11 57 PM '61
0 0 0 1 0	Dec 9 3 57 PM '61
0 0 0 1 0	Dec 9 7 57 AM '61
0 0 0 0 9	Dec 8 11 57 PM '61
0 0 0 1 3	Dec 8 3 57 PM '61
0 0 0 0 9	Dec 8 7 57 AM '61
0 0 0 0 7	Dec 7 11 57 PM '61
0 0 0 1 5	Dec 7 3 57 PM '61
0 0 0 1 5	Dec 7 7 57 AM '61
0 0 0 0 7	Dec 6 11 57 PM '61
0 0 0 5 3	Dec 6 3 57 PM '61
0 0 0 1 7	Dec 6 7 57 AM '61
0 0 0 1 6	Dec 5 11 57 PM '61
0 0 0 1 1	Dec 5 3 57 PM '61
0 0 0 0 8	Dec 5 7 57 AM '61
0 0 0 0 7	Dec 4 11 57 PM '61
0 0 0 2 1	Dec 4 3 57 PM '61
0 0 0 3 6	Dec 4 7 57 AM '61
0 0 0 2 7	Dec 3 11 57 PM '61
~~0 0 0 0 0~~	~~Dec 3 4 00 PM '61~~
0 0 0 1 7	Dec 3 3 57 PM '61
0 0 0 3 4	Dec 3 7 57 AM '61
[illegible]	Dec 2 11 57 PM '61

Just check

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0 0 0 1 7	Dec 6 7 57 AM '61
0 0 0 1 6	Dec 5 11 57 PM '61
0 0 0 1 1	Dec 5 3 57 PM '61
0 0 0 0 8	Dec 5 7 57 AM '61
0 0 0 0 7	Dec 4 11 57 PM '61
0 0 0 2 1	Dec 4 3 57 PM '61
0 0 0 3 6	Dec 4 7 57 AM '61
0 0 0 2 7	Dec 3 11 57 PM '61
~~0 0 0 0 0~~	~~Dec 3 4 00 PM '61~~
0 0 0 1 7	Dec 3 3 57 PM '61
0 0 0 3 4	Dec 3 7 57 AM '61
0 0 0 1 5	Dec 2 11 57 PM '61
0 0 0 1 6	Dec 2 3 57 PM '61
0 0 0 2 6	Dec 2 7 57 AM '61
0 0 0 1 5	Dec 1 11 57 PM '61
0 0 0 2 8	Dec 1 3 57 PM '61
0 0 0 3 0	Dec 1 7 57 AM '61

(*over)

Formula
(Hydrolysis of Sulfuric Acid)
See D-5
12-1-61

Total Act. 25.91 ~~Total~~ # of Samples 93
Average Act. 0.28 No > PAL 3
% > PAL 3.2

K-1470 Large Equip - Col-D-5
Dec 1961

0	0	0	0	1	#4 monitor	Dec 32 12 00 AM '61
0	0	0	1	0	K-4-70	Dec 31 4 00 PM '61
0	0	0	0	0	4.3" Area	Dec 31 8 00 AM '61
0	0	0	0	0	on WEM	Dec 31 12 00 AM '61
0	0	0	0	2	1-4-62	Dec 30 4 00 PM '61
0	0	0	0	1		Dec 30 8 00 AM '61
0	0	0	0	1		Dec 30 12 00 AM '61
0	0	1	4	4		Dec 29 4 00 PM '61
0	0	0	2	1		Dec 29 8 00 AM '61
0	0	0	2	1		Dec 29 12 00 AM '61
0	0	2	0	0		Dec 28 4 00 PM '61
0	0	0	1	0		Dec 28 8 00 AM '61
0	0	0	0	1		Dec 28 12 00 AM '61
0	0	0	0	2		Dec 27 4 00 PM '61
0	0	0	0	3		Dec 27 8 00 AM '61
0	0	0	1	1		Dec 27 12 00 AM '61
0	0	0	1	0		Dec 26 4 00 PM '61
0	0	0	2	3		Dec 26 8 00 AM '61
0	0	0	1	0		Dec 26 12 00 AM '61
0	0	0	1	0		Dec 25 4 00 PM '61
0	0	0	1	0		Dec 25 8 00 AM '61
0	0	0	1	4		Dec 25 12 00 AM '61
0	0	0	1	3		Dec 24 4 00 PM '61
0	0	0	1	0		Dec 24 8 00 AM '61
0	0	0	3	0		Dec 24 12 00 AM '61
0	0	0	0	0		Dec 23 4 00 PM '61
0	0	0	1	3		Dec 23 8 00 AM '61
0	0	0	3	0		Dec 23 12 00 AM '61
0	0	0	0	3		Dec 22 4 00 PM '61
0	0	0	2	2		Dec 22 8 00 AM '61
0	0	0	0	0		Dec 22 12 00 AM '61
0	0	1	0	0	-140-	Dec 21 4 00 PM '61
0	0	0	3	0		Dec 21 8 00 AM '61

Hugh Mattingly

0	0	2	0	0	Dec 28 8 00 AM '61
0	0	0	1	0	Dec 28 12 00 AM '61
0	0	0	0	1	Dec 27 4 00 PM '61
0	0	0	0	2	Dec 27 8 00 AM '61
0	0	0	0	3	Dec 27 12 00 AM '61
0	0	0	1	1	Dec 26 4 00 PM '61
0	0	0	1	0	Dec 26 8 00 AM '61
0	0	0	2	2	Dec 26 12 00 AM '61
0	0	0	1	0	Dec 25 4 00 PM '61
0	0	0	1	3	Dec 25 8 00 AM '61
0	0	0	1	0	Dec 25 12 00 AM '61
0	0	0	1	4	Dec 24 4 00 PM '61
0	0	0	1	3	Dec 24 8 00 AM '61
0	0	0	1	0	Dec 24 12 00 AM '61
0	0	0	3	0	Dec 23 4 00 PM '61
0	0	0	0	0	Dec 23 8 00 AM '61
0	0	0	1	2	Dec 23 12 00 AM '61
0	0	0	3	0	Dec 22 4 00 PM '61
0	0	0	0	0	Dec 22 8 00 AM '61
0	0	0	2	2	Dec 22 12 00 AM '61
0	0	0	0	0	Dec 21 4 00 PM '61
0	0	1	0	0	Dec 21 8 00 AM '61
0	0	0	2	0	Dec 21 12 00 AM '61
0	0	0	2	1	Dec 20 4 00 PM '61
0	0	1	0	2	Dec 20 8 00 AM '61
0	0	0	1	2	Dec 20 12 00 AM '61
0	0	0	0	4	Dec 19 4 00 PM '61
0	0	0	2	0	Dec 19 8 00 AM '61
0	0	0	1	0	Dec 19 12 00 AM '61
0	0	0	1	3	Dec 18 4 00 PM '61
0	0	0	0	1	Dec 18 8 00 AM '61
0	0	0	1	1	Dec 18 12 00 AM '61
0	0	0	1	0	Dec 17 4 00 PM '61
0	0	0	1	4	Dec 17 8 00 AM '61
0	0	0	1	3	

0	0	0	1	3	Dec 17 12 00 AM '61
0	0	0	1	7	Dec 16 4 00 PM '61
0	0	0	1	3	Dec 16 8 00 AM '61
0	0	0	2	2	Dec 16 12 00 AM '61
0	0	2	8	0	Dec 15 4 00 PM '61
0	0	0	0	0	Dec 15 8 00 AM '61
0	0	0	0	0	Dec 15 12 00 AM '61
0	0	1	0	0	Dec 14 4 00 PM '61
0	0	0	6	0	Dec 14 8 00 AM '61
0	0	0	3	1	Dec 14 12 00 AM '61
0	0	1	1	0	Dec 13 4 00 PM '61
0	0	0	4	0	Dec 13 8 00 AM '61
0	0	0	1	3	Dec 13 12 00 AM '61
0	0	0	4	0	Dec 12 4 00 PM '61
0	0	0	1	0	Dec 12 8 00 AM '61
0	0	0	1	0	Dec 12 12 00 AM '61
0	0	1	0	2	Dec 11 4 00 PM '61
0	0	0	2	1	Dec 11 8 00 AM '61
0	0	0	2	3	Dec 11 12 00 AM '61
0	0	0	2	0	Dec 10 4 00 PM '61
0	0	0	1	3	Dec 10 8 00 AM '61
0	0	0	0	3	Dec 10 12 00 AM '61
0	0	0	1	3	Dec 9 4 00 PM '61
0	0	0	1	0	Dec 9 8 00 AM '61
0	0	0	2	0	Dec 9 12 00 AM '61
0	0	0	3	7	Dec 8 4 00 PM '61
0	0	0	1	3	Dec 8 8 00 AM '61
0	0	0	2	0	Dec 8 12 00 AM '61
0	0	0	2	0	Dec 7 4 00 PM '61
0	0	0	3	0	Dec 7 8 00 AM '61
0	0	0	2	4	Dec 7 12 00 AM '61
0	0	1	1	3	Dec 6 4 00 PM '61
0	0	0	3	7	Dec 6 8 00 AM '61
0	0	1	2	0	Dec 6 12 00 AM '61
0	0	0	3	0	Dec 5 4 00 PM '61
0	0	0	2	2	Dec 5 8 00 AM '61
0	0	0	1	7	Dec 5 12 00 AM '61
0	0	0	0	3	Dec 4 4 00 PM '61
0	0	0	0	3	Dec 4 8 00 AM '61
0	0	0	0	4	Dec 4 12 00 AM '61

0	0	1	1	3	Dec	6	4 00 PM	'61
0	0	0	3	7	Dec	6	8 00 AM	'61
0	0	1	2	3	Dec	6	12 00 AM	'61
0	0	0	3	3	Dec	5	4 00 PM	'61
0	0	0	2	2	Dec	5	8 00 AM	'61
0	0	0	1	7	Dec	5	12 00 AM	'61
0	0	0	0	3	Dec	4	4 00 PM	'61
0	0	0	0	3	Dec	4	8 00 AM	'61
0	0	0	5	4	Dec	4	12 00 AM	'61
0	0	0	3	8	Dec	3	4 00 PM	'61
0	0	0	5	0	Dec	3	8 00 AM	'61
0	0	0	4	0	Dec	3	12 00 AM	'61
0	0	0	2	3	Dec	2	4 00 PM	'61
0	0	0	3	4	Dec	2	8 00 AM	'61
0	0	0	4	2	Dec	2	12 00 AM	'61
0	0	1	1	3	Dec	1	4 00 PM	'61
0	0	0	3	0	Dec	1	8 00 AM	'61

Total Act. = 45.80 No of Samples 93
Average Act. = 0.49 No > P.A.L. 1
% > P.A.L. 1.1

K-1420 "B" Area-
Cavinea Area-
Dec- '61

0	0	1	0	1	#18 manila	Dec 31	11	58	
0	0	0	7	9	5/14/70	Dec 31	3	58	PM
0	0	0	4	2	1/2 Clear	Dec 31	7	58	AM
0	0	0	1	6	1-2-62	Dec 30	11	58	PM '61
0	0	0	1	3		Dec 30	3	58	PM '61
0	0	0	1	5		Dec 30	7	58	AM '61
0	0	0	1	3		Dec 29	11	58	PM '61
0	0	0	3	2		Dec 29	3	58	PM '61
0	0	0	1	0		Dec 29	7	58	AM '61
0	0	0	1	4		Dec 28	11	58	PM '61
0	0	1	3	8		Dec 28	3	58	PM '61
0	0	0	1	1		Dec 28	7	58	AM '61
0	0	0	1	0		Dec 27	11	58	PM '61
0	0	1	9	5		Dec 27	3	58	PM '61
0	0	0	2	2		Dec 27	7	58	AM '61
0	0	0	2	1		Dec 26	11	58	PM '61
0	0	0	4	5		Dec 26	3	58	PM '61
0	0	0	2	7		Dec 26	7	58	AM '61
0	0	0	1	7		Dec 25	11	58	PM '61
0	0	0	1	2		Dec 25	3	58	PM '61
0	0	0	1	2		Dec 25	7	58	AM '61
0	0	0	1	1		Dec 24	11	58	PM '61
0	0	0	1	3		Dec 24	3	58	PM '61
0	0	0	1	4		Dec 24	7	58	AM '61
0	0	0	1	4		Dec 23	11	58	PM '61
0	0	0	1	3		Dec 23	3	58	PM '61
0	0	0	2	1		Dec 23	7	58	AM '61
0	0	0	2	0		Dec 22	11	58	PM '61
0	0	0	5	0		Dec 22	3	58	PM '61
0	0	0	3	1		Dec 22	7	58	AM '61
0	0	0	2	3		Dec 21	11	58	PM '61
0	0	0	2	4		Dec 21	3	58	PM '61
0	0	0	2	0		Dec 21	7	58	AM '61
0	0	0	1	4		Dec 20	11	58	PM '61
0	0	0	2	1		Dec 20	3	58	PM '61
0	0	0	1	1		Dec 20	7	58	AM '61

0	0	0	1	4	Dec 23 11 58 PM '61
0	0	0	1	3	Dec 23 3 58 PM '61
0	0	0	2	1	Dec 23 7 58 AM '61
0	0	0	2	0	Dec 22 11 58 PM '61
0	0	0	3	0	Dec 22 3 58 PM '61
0	0	0	3	1	Dec 22 7 58 AM '61
0	0	0	2	3	Dec 21 11 58 PM '61
0	0	0	2	4	Dec 21 3 58 PM '61
0	0	0	2	0	Dec 21 7 58 AM '61
0	0	0	1	4	Dec 20 11 58 PM '61
0	0	0	2	1	Dec 20 3 58 PM '61
0	0	0	1	1	Dec 20 7 58 AM '61
0	0	0	1	4	Dec 19 11 58 PM '61
0	0	1	8	6	Dec 19 3 58 PM '61
0	0	0	1	0	Dec 19 7 58 AM '61
0	0	0	1	0	Dec 18 11 58 PM '61
0	0	0	2	0	Dec 18 3 58 PM '61
0	0	0	2	1	Dec 18 7 58 AM '61
0	0	0	2	1	Dec 17 11 58 PM '61
0	0	0	1	9	Dec 17 3 58 PM '61
0	0	0	1	8	Dec 17 7 58 AM '61
0	0	0	2	2	Dec 16 11 58 PM '61
0	0	0	2	3	Dec 16 3 58 PM '61
0	0	0	2	4	Dec 16 7 58 AM '61
0	0	0	4	4	Dec 15 11 58 PM '61
0	0	1	7	0	Dec 15 3 58 PM '61
0	0	0	2	1	Dec 15 7 58 AM '61
0	0	0	1	9	Dec 14 11 58 PM '61
0	0	0	2	0	Dec 14 3 58 PM '61
0	0	0	2	2	Dec 14 7 58 AM '61
0	0	0	1	7	Dec 13 11 58 PM '61
0	0	0	5	9	Dec 13 3 58 PM '61
0	0	0	6	6	Dec 13 7 58 AM '61
0	~~0~~	~~0~~	~~1~~	~~1~~	~~Dec 13 4 42 AM '61~~
~~0~~	~~0~~	~~0~~	~~1~~	~~3~~	~~Dec 12 4 03 PM '61~~
0	0	0	1	2	Dec 12 8 03 AM '61
0	0	0	1	3	Dec 12 12 03 AM '61
0	0	0	1	9	Dec 11 4 03 PM '61
0	0	0	2	0	Dec 11 8 03 AM '61
0	0	0	1	1	Dec 11 12 03 AM '61
0	0	0	1	8	Dec 10 4 03 PM '61

No reason assigned for time 12/13/61

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0 0 0 2 2	Dec 14 7 58 AM '61
0 0 0 1 7	Dec 13 11 58 PM '61
0 0 0 3 9	Dec 13 3 58 PM '61
0 0 0 6 6	Dec 13 7 58 AM '61
~~0 0 0 1 1~~	~~Dec 13 4 42 AM '61~~
~~0 0 0 1 3~~	~~Dec 12 4 03 PM '61~~
0 0 0 1 2	Dec 12 8 03 AM '61
0 0 0 1 3	Dec 12 12 03 AM '61
0 0 0 1 9	Dec 11 4 03 PM '61
0 0 0 2 0	Dec 11 8 03 AM '61
0 0 0 2 1	Dec 11 12 03 AM '61
0 0 0 1 8	Dec 10 4 03 PM '61
0 0 0 1 8	Dec 10 8 03 AM '61
0 0 0 1 8	Dec 10 12 02 AM '61
0 0 0 1 8	Dec 9 4 03 PM '61
0 0 0 1 8	Dec 9 8 02 AM '61
0 0 0 4 5	Dec 9 12 03 AM '61
0 0 0 3 0	Dec 8 4 02 PM '61
0 0 0 2 2	Dec 8 8 03 AM '61
0 0 0 2 3	Dec 8 12 03 AM '61
0 0 0 3 0	Dec 7 4 02 PM '61
0 0 0 2 6	Dec 7 8 02 AM '61
0 0 0 1 2	Dec 7 12 03 AM '61
0 0 0 3 1	Dec 6 4 02 PM '61
0 0 0 2 3	Dec 6 8 03 AM '61
0 0 0 1 5	Dec 6 12 03 AM '61
0 0 0 3 2	Dec 5 4 03 PM '61
0 0 0 1 3	Dec 5 8 02 AM '61
0 0 0 1 7	Dec 5 12 03 AM '61
0 0 0 3 2	Dec 4 4 03 PM '61
0 0 0 5 4	Dec 4 8 03 AM '61
0 0 0 4 8	Dec 4 12 03 AM '61
0 0 0 4 0	Dec 3 4 03 PM '61
0 0 0 5 0	Dec 3 8 03 AM '61
0 0 0 4 1	Dec 3 12 02 AM '61
0 0 0 3 5	Dec 2 4 02 PM '61
0 0 0 3 9	Dec 2 8 03 AM '61
0 0 0 3 2	Dec 2 12 03 AM '61

Power off for some reason for a period of time 12/13/61

746

0 0 0 1 7	Dec 5 12 03 AM '61
0 0 0 3 2	Dec 4 4 03 PM '61
0 0 0 5 4	Dec 4 8 03 AM '61
0 0 0 4 8	Dec 4 12 03 AM '61
0 0 0 4 0	Dec 3 4 03 PM '61
0 0 0 5 0	Dec 3 8 03 AM '61
0 0 0 4 1	Dec 3 12 02 AM '61
0 0 0 3 5	Dec 2 4 02 PM '61
0 0 0 3 9	Dec 2 8 03 AM '61
0 0 0 3 2	Dec 2 12 03 AM '61
0 0 0 8 1	Dec 1 4 02 PM '61
0 0 0 5 0	Dec 1 8 02 AM '61

Total Act. 30.17 No of Samples 91
Average Act. 0.33 No > P.A.L. 0
% > P.A.L. 0

K-1470 "E" Area
Dec 1961

Bldg 2011 WCX
Sp Pl

ALPHA CONTAMINATION AUDIT REPORT

Location K-1421 Incinerator Building (5007) Date 12-7-61

Supervisor in Charge D. Durkee Total Work Area 412 ft²

Operations in Progress Removing oil

Protective Measures in Force

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Surface Index	376	[illegible]
	Area Factor (Total)	[illegible]	[illegible]
	Area Factor (Wipe)		

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Floor & Equipment	275	I			3000	
" " "	125	II			5000	

	Range Surface	(c/m) Wipe	Weighting Factor				
Class 0	*	–	0	Total ft²			Bldg < P.A.L.
Class I	500-2000	100-500	1		275		
Class II	2000-10,000	500-2000	5		125		
Class III	> 10,000	> 2000	20				
				Grand Total (ft²)	412		

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

1485

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Ren Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
None present								
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
None present						
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS: Decreased due to clean up.

Inspector [signature] Op. Supervisor [signature] Date 1-3-62

ALPHA CONTAMINATION AUDIT REPORT (5007)

ation _____ Date _____

pervisor in Charge _____ Total Work Area _____ ft^2

Operations in Progress _____

Protective Measures in Force _____

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index		
	Area Factor (Total)		
	Area Factor (Wipe)		

SPECIFIC LOCATION	Area (ft^2) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
	96	II				
	16	III				

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Re Re. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
		400		1000		[illegible]	7500	
		200		[illegible]		400	[illegible]	
SUMMARY: 6 No. > P.A.L.		0		0		0		
6 No. Checked		7		7		7		
— % Total Checks > P.A.L.								

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS: Decision to leave it to the clean up.

Inspector [illegible] Op. Supervisor E. J. Forrester Date 12-4-61

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WEM

ALPHA CONTAMINATION AUDIT REPORT

Location K-1421 Incinerator Building (5007) Date 10-5-61

Supervisor in Charge J. Dykstra Total Work Area 410 ft²

Operations in Progress Burning material

Protective Measures in Force No one present at time of survey

SUMMARY: Surface Index 281.XT

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	562.	1006
	Area Factor (Total)	100.	100
	Area Factor (Wipe)		

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Floor + equip —	314	I			2000	
	72	II			10000	
	24	III			212000	

	Range Surface	(c/m) Wipe	Weighting Factor	Total ft²
Class 0	*	–	0	
Class I	500-2000	100-500	1	314
Class II	2000-10,000	500-2000	5	72
Class III	> 10,000	> 2000	20	24
			Grand Total (ft²)	410

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

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PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		

WEM

BETA-GAMMA RADIATION AUDIT REPORT (5007)

Location K-1420 Incinerator Building Date 10-5-61

Supervisor in Charge L. Dunstan Total Work Area 410 ft²

Operations in Progress Burning material -

Protective Measures in Force No one present at time of survey

SUMMARY

RADIATION		This Survey	Last Survey
	β+γ Index	2.9	0.0
	β+γ Area Factor	2.0	0.0
	γ Area Factor	0.0	0.0

SPECIFIC LOCATION	7.5 mrep/hr Distance (ft)	Area (ft²) and Class of Radiation β+γ		γ		Reading (mrep/hr) Maximum β+γ	Maximum γ	1 ft. β+γ	1 ft. γ
Material on floor in front of furnace	2	1	II	<PAL		60		20	
		7	I			37.5			

	Range mrep/hr	Weighting Factor	Total ft² β+γ	γ
Class I	7.5 - 37.5	1	7	0
Class II	37.5 - 300	5	1	0
Class III	300 - 3000	40	0	0
Class IV	> 3000	400	0	0
		Grand Total (ft²)	8	0

Maximum Reading β+γ 60 / 20

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WCX-2067 (10-53) K-25 SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem. Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
None present								
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
Taken						
None						
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS: Readings were noted in front of furnace coming from material on floor - probably from filters from - 1131.

Inspector H B Beymer Op. Supervisor E J Forrester Date 10-18-61

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ALPHA CONTAMINATION AUDIT REPORT

Location K-1421 Incinerator Building (5007) Date 9-21-61

Supervisor in Charge J. Dykstra. Total Work Area 410 ft²

Operations in Progress Burning material

Protective Measures in Force Film badges, and gloves -

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Surface Index 503 = X Y	1066	1570
	Area Factor (Total)	100.	100
	Area Factor (Wipe)		

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Floor & Equip	77	I			2000	
" " "	318	II			10000	
" " "	20	III			>12400	

	Range Surface	(c/m) Wipe	Weighting Factor					
Class 0	*	–	0	Total ft²				Bt+J<P.A.L.
Class I	500-2000	100-500	1		77			
Class II	2000-10,000	500-2000	5		318			
Class III	>10,000	>2000	20		20			
			Grand Total (ft²)		410			

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
None checked								
SUMMARY: No. > P.A.L.								
SUMMARY: No. Checked								
SUMMARY: % Total Checks > P.A.L.								

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

None taken

REMARKS: Decrease due to clean up - floor had just been washed down.

Inspector J B Bomar Op. Supervisor E. J. Forrester Date 9/22/61

ALPHA CONTAMINATION AUDIT REPORT

:ation K-1401 Incinerator Building (5007) Date 8-21-61

pervisor in Charge J. Dunstan Total Work Area 410 ft²

Operations in Progress Burning Exposed Filters

Protective Measures in Force Gloves

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index 785 X2	1570	1146.
	Area Factor (Total)	100	100.
	Area Factor (Wipe)		

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Floor & Equip	332	II			10000	
" " "	78	III			210500	

	Range Surface	(c/m) Wipe	Weighting Factor		
Class 0	*	–	0	Total ft²	—
Class I	500-2000	100-500	1		—
Class II	2000-10,000	500-2000	5		332
ss III	> 10,000	> 2000	20		78
			Grand Total (ft²)		410

Bty < PAL.

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

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WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rer Rei. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
SUMMARY: No. > P.A.L.								
No. Checked								
% Total Checks > P.A.L.								

None checked

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

None taken

REMARKS: Increase probably due to burning 1131 filters. Since survey building has been washed out.

Inspector J. B. Bonner Op. Supervisor E. J. Forrester Date 8/23/61

WC #1 7-25-61

ALPHA CONTAMINATION AUDIT REPORT

ation K-1401 INCINERATOR BUILDING (5007) Date 7-17-61

ervisor in Charge J. DYKSTRA Total Work Area 410 ft²

Operations in Progress NONE

Protective Measures in Force None

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Surface Index * 573 × 2 =	1146	1300
	Area Factor (Total)	100	100
	Area Factor (Wipe)		100

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Floor and equip –	390	II			10000	
	20	III			71400	

	Range Surface	(c/m) Wipe	Weighting Factor				
Class 0	*	–	0	Total ft²			By P.A.L.
Class I	500-2000	100-500	1		—		
Class II	2000-10,000	500-2000	5		390		
Class III	> 10,000	> 2000	20		20		
			Grand Total (ft²)		410		

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

* Surface Index calculated from surface readings with out wipe

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rer Rei No.
		Hands	Shoes - Personal	Shoes - Issue	Clothing - Personal	Clothing - Issue	Gloves	
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

None present

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

None taken

REMARKS: Decrease probably due to no operations and clean up following shut down.

Inspector [signature] Op. Supervisor [signature] Date 7-25-61

JW

ALPHA CONTAMINATION AUDIT REPORT

cation K1421 INCINERATOR BUILDING (5007) Date 4-11-61

.upervisor in Charge J. DYKSTRA Total Work Area 410 ft^2

Operations in Progress NONE

Protective Measures in Force NONE

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	130	385
	Area Factor (Total)	100	100
	Area Factor (Wipe)	100	100

SPECIFIC LOCATION	Area (ft^2) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
FLOORS	290	II	142	I	10,000	500
	120	III	268	II	712500	2000

	Range (c/m) Surface	Range (c/m) Wipe	Weighting Factor	Total ft^2		
Class 0	*	–	0			
Class I	500-2000	100-500	1	—	142	
Class II	2000-10,000	500-2000	5	290	268	
ıss III	> 10,000	> 2000	20	120		
			Grand Total (ft^2)			

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

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PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
CENTER OF ROOM	HP318	942	13	195	0/0	0.07

SUMMARY:	Air Samples			For Samples > P.A.L.	Total		Total / Average
		1	No. Taken				0.07
		0	No. > P.A.L.				
		0	% > P.A.L.		% —		0.07

REMARKS:

Inspector WE Muldrew Op. Supervisor [illegible] Date 4-27-61

Gu

ALPHA CONTAMINATION AUDIT REPORT

:ation K1421 INCINERATOR BUILDING (5007) Date 3-14-61

pervisor in Charge J. DYKSTRA. Total Work Area 410 ft^2

Operations in Progress BURNING WASTE

Protective Measures in Force NONE

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	385	953
	Area Factor (Total)	100	100
	Area Factor (Wipe)	100	100

SPECIFIC LOCATION	Area (ft^2) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
FLOORS	285	I	347	I	2000	500
"	125	II	63	II	7500	850

	Range Surface	(c/m) Wipe	Weighting Factor			
Class 0	*	–	0	Total ft^2		
Class I	500-2000	100-500	1		285	347
Class II	2000-10,000	500-2000	5		125	63
ıss III	> 10,000	> 2000	20			
				Grand Total (ft^2)		

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rer Re No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
CENTER OF ROOM	HP248	8:35	11	110	0/1	0.09

SUMMARY:							
Air Samples	1	No. Taken		For Samples > P.A.L.	Total		Total
	0	No. > P.A.L.			%		Average 0.09
	0	% > P.A.L.					

REMARKS:

Inspector W E Muldrew Op. Supervisor R. E. [illegible] Date [illegible]

JW

ALPHA CONTAMINATION AUDIT REPORT (5007)

:ation K 1421 INCINERATOR BUILDING Date 2-16-61

-pervisor in Charge J. DYKSTRA Total Work Area 410 ft^2

Operations in Progress NONE

Protective Measures in Force

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	953	839
	Area Factor (Total)	100	100
	Area Factor (Wipe)	100	100

SPECIFIC LOCATION	Area (ft^2) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
FLOOR	—	I	123	I	—	500
	390	II	287	II	10000	2000
	20	III	—	III	712,500	—

	Range Surface	(c/m) Wipe	Weighting Factor	Total ft^2		
Class 0	*	–	0			
Class I	500-2000	100-500	1			123
Class II	2000-10,000	500-2000	5		390	287
·ss III	> 10,000	> 2000	20		20	—
			Grand Total (ft^2)		410	410

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

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PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rer Re. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
CENTER OF ROOM	HP163	10:21	10	150	0/0	0.08

SUMMARY:							
Air Samples	1	No. Taken		For Samples > P.A.L.	Total		Total 0.08
	0	No. > P.A.L.					Average 0.08
	0	% > P.A.L.			%		

REMARKS:

Inspector W E Muldrew Op. Supervisor [illegible] Date 3-1-61

① Foreman
② Records File

ALPHA CONTAMINATION AUDIT REPORT

:ation K1421 INCINERATOR BUILDING (5007) Date 1-30-61

..pervisor in Charge J. DYKSTRA Total Work Area 410 ft^2

Operations in Progress

Protective Measures in Force RESPIRATOR, GLOVES, FILM BADGES, COVERALLS ISSUED, SHOES

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	839	496
	Area Factor (Total)	100	100
	Area Factor (Wipe)	100	100

SPECIFIC LOCATION	Area (ft^2) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
FLOOR AND EQUIPMENT	71	I	128	I	2000	500
" "	330	II	282	II	10,000	1900
" "	9	III	—	—	70,500	—

	Range Surface	Range (c/m) Wipe	Weighting Factor	Total ft^2		
Class 0	*	–	0			
Class I	500-2000	100-500	1	71	128	
Class II	2000-10,000	500-2000	5	330	282	
ıss III	> 10,000	> 2000	20	9	—	
			Grand Total (ft^2)	410	410	

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*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

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WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rer Re No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
No WORK IN PROGRESS								
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity C/M/ft^3
CENTER OF BUILDING	HP 87	9:54	10	100		0.14
SUMMARY: Air Samples	1	No. Taken		For Samples > P.A.L.	Total	Total 0.14
	0	No. > P.A.L.			%	Average 0.14
	0	% > P.A.L.				

REMARKS:

Inspector W. E. Muldrew Op. Supervisor E. Carnes Date 2-7-61

SAFETY AUDIT REPORT

AJCN - 2023 (1 9-60)

Safety

PAGE 1 OF 3

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE
K1421	INCINERATOR BUILDING	03	01
IBM 1-48		49-50	51-52

AUDITED BY (SIGNATURE) [signature]

REVIEWED WITH (SIGNATURE) [signature] 4-9-65

FIXED PROTECTION (Personal - Fire)

IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
	01	2	2	K-18-61
	53 - 54	55 - 58	59 - 62	63 - 70

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Sprinkler System	—		Fire Extinguishers	1	
Emergency Exits	—		Protective Equip. Supply	—	
Emergency Station	—		P. A. System	—	
Evacuation Alarm	1		Safety Showers	—	
Eye Baths	—		Standpipes	—	
Fire Alarm Boxes	—		Other (Note in Remarks)	—	
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Damaged	10. Missing
2. Contents	11. Respiratory Equipment	2. Deteriorated	11. Not Labelled
3. Door	12. Rack	3. Dirty	12. Not Lighted
4. Fusible Link	13. Rollers	4. Improperly Stored	13. Not Posted
5. Hardware	14. Sprinkler Head	5. Inaccessible or Blocked	14. Out of Test Date
6. Hose	15. Stop Valve	6. Inadequate	15. Unsealed
7. Identification Light	16. Track	7. Inoperative	16. Other (Note in Remarks
8. Nozzle	17. Unit	8. Leaking	
9. Operating Instructions	18. Other	9. Location Not Indicated	

REMARKS:

1

ENVIRONMENTAL CONTROL

IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
	02	7	6
	53 - 54	55 - 58	59 - 62

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Cleanliness, Orderliness	11		Radiation (Thermal)	—	
Disposal of Scrap; Waste	—		Radiation (Arc, Ionizing)	—	
Protection of Hazardous or Flammable Refuse	11		Traffic Control	—	
Storage — Material and Equipment	11		Illumination	1	(6-27-70)
Storage — Compressed Gas Cylinders	—		Ventilation	—	
Vegetation Control	—		Other (Note in Remarks)	-	

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Creates Fire Hazard	10. Inadequate or Improper Ventilation Equipment	19. Not Properly Secured
2. Lunch Room	2. Dirty	11. Inadequate Warning Signs	20. Pedestrian Lanes Not Indicated
3. Office	3. Excessive Accumulation	12. Incorrect Lighting Fixtures	21. Poor Arrangement
4. Storage Area	4. Excessive Glare	13. Inoperative Equipment	22. Poorly Stacked
5. Washroom	5. Fire Lanes Blocked	14. Insufficient Illumination	23. Unsafe Method Used
6. Work Area	6. Inadequate Barricades	15. Materials Not Stored in Designated Areas	24. Wrong Type Container
	7. Inadequate Insulation	16. Material Protruding into Aisles	25. Special Hazards Not Marked
	8. Inadequate Sheilding	17. Metal Cap Missing	26. Ventilation Equipment Not Being Used
	9. Inadequate Traffic Markers	18. No Containers	27. Other (Note in Remarks)

REMARKS:

(1) [illegible]

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01 - Fixed Protection 02 - Environmental Control

SAFETY AUDIT REPORT

UCN - 202 (1 9-60)

PAGE 2 OF 3

WORK SURFACES	IBM	CLASS CODE 03 (53 - 54)	NO. INSPECTED 4 (55 - 58)	NO. SATISFACTORY 4 (59 - 62)

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Catv	—		Ladder (stationery)	—	
Exit	—		Platforms	1	
Floors	11		Scaffolds	—	
Furniture	—		Stairs	1	
Ladder (portable)	—		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS	IBM	CLASS CODE 04 (53 - 54)	NO. INSPECTED 2 (55 - 58)	NO. SATISFACTORY 2 (59 - 62)

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Combustible Gas	1		Steam (Bld Ht.- Below 250 psig)	—	
Flammable Liquid	1		Steam (High Pressure - above - 250 psig)	—	
Toxic or Corrosive Liquid	—		Air	—	
Toxic or Corrosive Gas	—		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
. Cleaning Tank	9. Insulation	1. Broken	9. Kinked
. Controls	10. Pipe	2. Corroded	10. Leaking
. Couplings	11. Regulators	3. Damaged	11. Missing
. Metal Containers	12. Safety Devices	4. Deteriorated	12. Not Pinned
Glass Containers	13. Tubing	5. Inadequate	13. Not Properly Identified
Hose	14. Valves	6. Inadequate Pressure Rating	14. Not Sealed
. Grounding	15. Vents	7. Incorrect	15. Not Shielded
. Guards or Supports	16. Housing	8. Inoperative	16. Plugged
	17. Other (Note in Remarks)		17. Other (Note in Remarks)

EMARKS:

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

ELECTRICAL	IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
		05	1	1
		53 - 54	55 - 58	59 - 62

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM - CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Corded Equipment	X	
Utilization Equipment	1	1 (16-11)
Other (Note in Remarks)	—	
High Voltage Equipment (Above 480 Volts)		
Disconnects	—	
Rotating Equipment	—	
Other (Note in Remarks)	—	

ITEMS UNSATISFACTORY

1. Boxes
2. Box Covers
3. Conduit
4. Connectors
5. Breaker
6. Grounds
7. Ground Mats
8. Identification
9. Inspection Date and Tag
10. Insulation
11. Plugs
12. Receptacles
13. Safety Switch
14. Switch
15. Warning Signs
16. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Does Not Meet Plant Specifications
6. Exposed Terminals
7. Missing
8. Not Provided
9. Ungrounded
10. Unguarded
11. Other (Note in Remarks)

REMARKS:

11. Oil pump installed with temporary wiring

WORK PRACTICES	IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
		06		
		53 - 54	55 - 58	59 - 62

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling			Use of Safe Attire		
Use of Tools			Use of Personnel Portective Devices		
Use and Maintenance of Machines & Equipment			Work Habits		
Use of Ionizing Radiation Sources					

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Use
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1421	INCINERATOR BUILDING	03	01	01	1	1	5-5-61
BM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto. Sprinkler System	—		Fire Extinguishers	1	
Emergency Exits	—		Protective Equip. Supply	—	
Emergency Station	—		P. A. System	—	
Evacuation Alarm	—		Safety Showers	—	
Eye Baths	—		Standpipes	—	
Fire Alarm Boxes	—		Other (Note in Remarks)	—	
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO SATISFACTORY	DATE
K1421	INCINERATOR BUILDING	03	01	02	4	4	5-5-61
BM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	1		Radiating Surfaces	—	
Illumination	1		Traffic Control	—	
Material Containment	1		Ventilation	1	
Radiation	—		Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Areas
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

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19-16 4-4

AUDITED BY (SIGNATURE) W. E. Muldrew

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1421	INCINERATOR BUILDING	03	01	03	4	4	5-5-6
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Catv.	—		Ladder (stationery)	—	
Exit	1		Platforms	1	
Floors	1		Scaffolds	—	
Furniture	—		Stairs	1	
Ladder (portable)	—		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
0. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
1. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1421	INCINERATOR BUILDING	03	01	04	1	1	5-5-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine	—		Steam (Bldg Ht - Below 15 psig)	—	
Hydrofluoric Acid	—		Steam (Low Pressure - 15-250 psig)	—	
Natural Gas	1		Steam (High Pressure - above 250 psig)	—	
Pyrofax	—		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

03 - Work Surfaces
04 - Piping & Containers

SAFETY AUDIT REPORT

ICN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1421	INCINERATOR BUILDING	03	01	05	3	0	5-5-6
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Grounded Equipment	11	2(8-T)
Utilization Equipment	1	1(A)
High Voltage Equipment (Above 480 Volts)		
Disconnects		
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
5. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

(A) POWER LINE TO OIL PUMP SHOULD BE INSTALLED PERMANENTLY IN CONDUIT

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1421	INCINERATOR BUILDING	03	01	06	4	4	5-5-6
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	1		Use of Safe Attire	1	
Use of Tools	1		Use of Personnel Protective Devices	1	
Use and Maintenance of Machines & Equipment	—		Work Habits	—	
Use of Ionizing Radiation Sources	—				

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

Records File

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1421	INCINERATOR BUILDING	03	01	01	1	1	4-4-6.
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto. Sprinkler System	—		Fire Extinguishers	1	
Emergency Exits	—		Protective Equip. Supply	—	
Emergency Station	—		P. A. System	—	
Evacuation Alarm	—		Safety Showers	—	
Eye Baths	—		Standpipes	—	
Fire Alarm Boxes	—		Other (Note in Remarks)	—	
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1421	INCINERATOR BUILDING	03	01	02	2	2	4-4-61
BM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	1		Radiating Surfaces	—	
Illumination	1		Traffic Control	—	
Material Containment	—		Ventilation	—	
Radiation	—		Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Area
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

-776-

AUDITED BY (SIGNATURE) W E Muldrew

REVIEWED WITH (SIGNATURE)

01 - Fixed Protection
10 - Environmental Control

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1421	INCINERATOR BUILDING	03	01	03	1	0	
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART-REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART-REASON)
Cat.	—		Ladder (stationery)		
Exit	—		Platforms		
Floors	1	1*	Scaffolds		
Furniture			Stairs		
Ladder (portable)			Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
0. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
1. Hinges		11. Not Well Illuminated	

REMARKS:

* DRAIN COVER BROKEN - POSSIBLE TRIPPING HAZARD.

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1421	INCINERATOR BUILDING	03	01	04			
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART-CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Fluorine			Steam (Bldg Ht - Below 15 psig)		
Hydrofluoric Acid			Steam (Low Pressure - 15-250 psig)		
Natural Gas			Steam (High Pressure - above 250 psig)		
Pyrofax			Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

03 - Work Surfaces
04 - Piping & Containers

SAFETY AUDIT REPORT

JCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1421	INCINERATOR BUILDING	03	01	05	4	4	4-4-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Corded Equipment	11	2(8-7)
Utilization Equipment	11	1(15)(1) 1(15)(2)
High Voltage Equipment (Above 480 Volts)		
Disconnects		
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
5. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

(1) POWER LINE TO OIL PUMP SWITCH SHOULD BE INSTALLED AS PERMANENT WIRING IN CONDUIT.

(2) COVER MISSING FROM RELAY BOX

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1421	INCINERATOR BUILDING	03	01	06			
3M 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling			Use of Safe Attire		
Use of Tools			Use of Personnel Protective Devices		
Use and Maintenance of Machines & Equipment			Work Habits		
Use of Ionizing Radiation Sources					

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
0. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

-778-

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

JCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

JW

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1421	INCINERATOR BUILDING	03	01	01	1	1	3-14-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Autom. Sprinkler System	—		Fire Extinguishers	1	
Emergency Exits	—		Protective Equip. Supply	—	
Emergency Station	—		P. A. System	—	
Evacuation Alarm	—		Safety Showers	—	
Eye Baths	—		Standpipes	—	
Fire Alarm Boxes	—		Other *(Note in Remarks)*	—	
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other *(Note in Remarks)*
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1421	INCINERATOR BUILDING	03	61	02	4	4	3-14-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	1		Radiating Surfaces	—	
Illumination	1		Traffic Control	—	
Material Containment	1		Ventilation	1	
Radiation	—		Other *(Note in Remarks)*		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Areas
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other *(Note in Remarks)*
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

-779- 11-11 3-3

R.

AUDITED BY (SIGNATURE) WE Lead

REVIEWED WITH (SIGNATURE) R. E. Shelton

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1421	INCINERATOR BUILDING	03	61	03	3	3	3-14-6
1 - 5	6 - 45	46 - 49	50 - 51	52 - 53	54 - 57	58 - 61	62 - 67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED		NO. UNSATISFACTORY (PART - REASON)
Cat	—		Ladder (stationery)	—	
Exit	/		Platforms	—	
Floors	/		Scaffolds	—	
Furniture	/		Stairs	—	
Ladder (portable)	—		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
0. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
1. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1421	INCINERATOR BUILDING	03	61	04	1	1	3-14-6
IBM 1 - 5	6 - 45	46 - 49	50 - 51	52 - 53	54 - 57	58 - 61	62 - 67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine	—		Steam (Bldg Ht - Below 15 psig)	—	
Hydrofluoric Acid	—		Steam (Low Pressure - 15 - 250 psig)	—	
Natural Gas	/		Steam (High Pressure - above 250 psig)	—	
Pyrofax	—		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

03 - Work Surfaces
04 - Piping & Containers

SAFETY AUDIT REPORT

JCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1421	INCINERATOR BUILDING	03	61	05	2	2	3-14-6
BM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Corded Equipment	—	
Utilization Equipment	11	
High Voltage Equipment (Above 480 Volts)		
Disconnects	—	
Rotating Equipment	—	
Other (Note in Remarks)	—	

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
5. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1420	INCINERATOR BUILDING	03	61	06	3	3	3-14-6
BM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	1		Use of Safe Attire	1	
Use of Tools	1		Use of Personnel Protective Devices	—	
Use and Maintenance of Machines & Equipment	—		Work Habits	—	
Use of Ionizing Radiation Sources	—				

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
0. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT
JCN-2021 (1 9-60)

1hr

FIXED PROTECTION
(Personnel - Fire)

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
421	INCINERATOR BUILDING	03	01	01	1	0	2-16-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto Sprinkler System	—		Fire Extinguishers	1	1(0-6)(0-10)
Emergency Exits	—		Protective Equip. Supply	—	
Emergency Station	—		P. A. System	—	
Evacuation Alarm	—		Safety Showers	—	
Eye Baths	—		Standpipes	—	
Fire Alarm Boxes	—		Other (Note in Remarks)	—	
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
. Container	10. Piping	1. Contents Not Labelled	9. Leaking
. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
. Entire Unit	12. Rack	3. Deteriorated	11. Missing
. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
. Nozzle	17. Other	8. Inoperative	
. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
421	INCINERATOR BUILDING	03	01	02	3	2	2-16-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	1	(6-2)	Radiating Surfaces	—	
Illumination	1		Traffic Control	—	
Material Containment	1		Ventilation	—	
Radiation	—		Other (Note in Remarks)	—	

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Areas
. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

EDITED BY (SIGNATURE) W. C. Muldrew

REVIEWED WITH (SIGNATURE) J. E. Whitaker 10-7

0-0

- Fixed Protection
- Environmental Control

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
421	INCINERATOR BUILDING	03	01	03	3	2	2-16-61
BM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED		NO. UNSATISFACTORY (PART - REASON)
Catw	—		Ladder (stationery)	—	
Exit	1		Platforms	—	
Floors	1	(0-1)*	Scaffolds	—	
Furniture	1		Stairs	—	
Ladder (portable)	—		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

FLOOR DRAIN COVER BROKEN

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
421	INCINERATOR BUILDING	03	01	04			2-16-61
BM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine			Steam (Bldg Ht - Below 15 psig)		
Hydrofluoric Acid			Steam (Low Pressure - 15-250 psig)		
Natural Gas			Steam (High Pressure - above 250 psig)		
Pyrofax			Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE) | REVIEWED WITH (SIGNATURE)

03 - Work Surfaces
04 - Piping & Containers

SAFETY AUDIT REPORT

JCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1421	INCINERATOR BUILDING	03	01	05	3	3	2-16-6
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEMS INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Grounded Equipment	1	
Utilization Equipment	11	
High Voltage Equipment (Above 480 Volts)		
Disconnects	—	
Rotating Equipment	—	
Other (Note in Remarks)	—	

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
5. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
				06			
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling			Use of Safe Attire		
Use of Tools			Use of Personnel Protective Devices		
Use and Maintenance of Machines & Equipment			Work Habits		
Use of Ionizing Radiation Sources					

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

-784-

EDITED BY (SIGNATURE)	REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

JCN-2021 (1 9-60)

JW 1/61

FIXED PROTECTION
(Personnel - Fire)

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1421	INCINERATOR BUILDING	03	01	01	1	0	1-20-61
BM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Auto Sprinkler System	—		Fire Extinguishers	1	(0-10)
Emergency Exits	—		Protective Equip. Supply	—	
Emergency Station	—		P. A. System	—	
Evacuation Alarm	—		Safety Showers	—	
Eye Baths	—		Standpipes	—	
Fire Alarm Boxes	—		Other (Note in Remarks)	—	
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
. Container	10. Piping	1. Contents Not Labelled	9. Leaking
. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
. Entire Unit	12. Rack	3. Deteriorated	11. Missing
. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
. Nozzle	17. Other	8. Inoperative	
. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1421	INCINERATOR BUILDING	03	01	02	6	6	1-20-61
BM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	11		Radiating Surfaces	—	
Illumination	1		Traffic Control	—	
Material Containment	11		Ventilation	1	
Radiation	—		Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Areas
. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

-785-

E. J. Peters

AUDITED BY (SIGNATURE) W E Muldrew

REVIEWED WITH (SIGNATURE) 14-13 3-3

1 - Fixed Protection
2 - Environmental Control

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1421	INCINERATOR BUILDING	03	01	03	3	3	1-20-61
1 - 5	6 - 45	46 - 49	50 - 51	52 - 53	54 - 57	58 - 61	62 - 67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED		NO. UNSATISFACTORY (PART - REASON)
Cat	—		Ladder (stationery)	—	
Exit	1		Platforms	—	
Floors	1		Scaffolds	—	
Furniture	1		Stairs	—	
Ladder (portable)	—		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
0. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
1. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1421	INCINERATOR BUILDING	03	01	04	1	1	1-20-61
IBM 1 - 5	6 - 45	46 - 49	50 - 51	52 - 53	54 - 57	58 - 61	62 - 67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine	—		Steam (Bldg Ht - Below 15 psig)	—	
Hydrofluoric Acid	—		Steam (Low Pressure - 15 - 250 psig)	—	
Natural Gas	1		Steam (High Pressure - above 250 psig)	—	
Pyrofax	—		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE) W E Muldrew

REVIEWED WITH (SIGNATURE) E J. Pates

03 - Work Surfaces
04 - Piping & Containers

AFETY AUDIT REPORT

CN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1421	INCINERATOR BUILDING	03	01	05	3	3	1-20-6
M 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEMS INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
ow Equipment below 480 Volts)	—	
orded Equipment	—	
tilization Equipment	///	
igh Voltage Equipment above 480 Volts)	—	
sconnects	—	
otating Equipment	—	
her (Note in Remarks)	—	

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
5. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

EMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1421	INCINERATOR BUILDING	03	01	06	3	3	1-20-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
terials Handling	—		Use of Safe Attire	/	
se of Tools	/		Use of Personnel Protective Devices	/	
e and Maintenance of chines & Equipment	—		Work Habits	—	
e of Ionizing diation Sources	—				

UNSAFE ACT OBSERVED

. Suspended Load Carried Over Employees
. Failed to Use Crane Hand Signals
. Failed to Use Warning Device
. Regularly Used Limit Switch to Stop Motion
. Materials Stored, Mixed, or Combined to Create a Hazard
. Flammables Handled in Unapproved Safety Can
. Incorrect Tool Used
Unsafe Tool Used
Tool Used Improperly
. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

EMARKS:

-787-

E.J. Peters

ITED BY (SIGNATURE) W E Muldrew

REVIEWED WITH (SIGNATURE)

DISTRIBUTION

1. K-25 Site Records (RC)
2. ChemRisk/Shonka Research Associates
3. S. G. Thornton (K-25 EMD)
4. DOE Public Reading Room

DSFd Box# H-2-3-18 #1

ChemRisk/Shonka Research Associates, Inc., Document Request Form

(This section to be completed by subcontractor requesting document)

J. Lamb / 1034A

Requestor — Document Center (is requested to provide the following document)

Date of request 9/14/95 — Expected receipt of document 10/14/95

Document number [redacted] — Date of document [redacted] 1961

Title and author (if document is unnumbered)

Environmental Conditions - Maintenance Division - 1961 Binder 1 of 3

⇒ Please copy the entire ~~section~~ document - including strip charts

(This section to be completed by Document Center)

Date request received 9/14/95

Date submitted to ADC 10/10/95

Date submitted to HSA Coordinator 9/14/95

(This section to be completed by HSA Coordinator)

Date submitted to CICO 10/10/95 Resub. 12/14/95

Date received from CICO

Date submitted to ChemRisk/Shonka and DOE

(This section to be completed by ChemRisk/Shonka Research Associates, Inc.)

Date document received

Signature

ChemRisk Document No. 2419

ENVIRONMENTAL CONDITIONS - MAINTENANCE
DIVISION - 1961 BINDER 1 OF 3

(With Deletions)

This document has been approved for release
to the public by:
Gary W. Hall for ASQ 12/27/95
Technical Information Officer Date
Oak Ridge K-25 Site

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

JW

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-31	Electrical Shop	01	11	01	10	10	7-24-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Auto. Sprinkler System	1		Fire Extinguishers	3	
Emergency Exits			Protective Equip. Supply	6	
Emergency Station			P. A. System		
Evacuation Alarm			Safety Showers		
Eye Baths			Standpipes		
Fire Alarm Boxes			Other (Note in Remarks)		
Fire Doors					

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-31	Electrical Shop	01	11	02	20	18	7-24-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	6	1 (6-8)	Radiating Surfaces		
Illumination	3		Traffic Control	2	
Material Containment	6	1 (6-8) Barrels	Ventilation	3	
Radiation			Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Area
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

153-123-8-2

AUDITED BY (SIGNATURE) M P Sno

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

Page 2 of ____

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-31	Electrical Shop	01	11	03	10	10	7-24
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART-REASON)	SURFACES CHECKED		NO. UNSATISFACTORY (PART-REASON)
Cat[illegible]			Ladder (stationery)		
Exit	2		Platforms		
Floors	3		Scaffolds		
Furniture	4		Stairs		
Ladder (portable)	1		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-31	Electrical Shop	01	11	04	25	23	7-11-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART-CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Fluorine			~~Steam~~ Safety Cans ~~(Bldg III - Below 15 psig)~~ 2	22	2 (10 - 12)
Hydrofluoric Acid			Steam (Low Pressure - 15-250 psig)		
Natural Gas			Steam (High Pressure - above 250 psig)		
Pyrofax	2		Other (Note in Remarks)	1	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE) [illegible]

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-31	Electrical Shop	01	11	05	36	11	7-24
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEMS INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Corded Equipment	10	10 (8-6)
Utilization Equipment	20	14 (11-5)
High Voltage Equipment (Above 480 Volts)		
Disconnects	6	1 (13-5)
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
6. Does Not Meet Plant Specification
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-31	Electrical Shop	01	11	06	8	8	7-24-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	2		Use of Safe Attire	2	
Use of Tools	2		Use of Personnel Protective Devices	2	
Use and Maintenance of Machines & Equipment			Work Habits		
Use of Ionizing Radiation Sources					

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel Enclosure, when Unsafe Because of Temperatu Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

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SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-31	Electrical Shop	01	11	07	30	30	7-28-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE OF TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Elec. Powered	2	
Hand	28	
Hydraulic		
Pneumatic Powered		
Powder Actuated		

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remc
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-31	Electrical Shop	01	11	08	15	15	7-24-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIO
Conveyor			Power Truck		
Chain Hoist	1		Tractor		
Electric Hoist	1		Plant Railway		
Winch or Tugger			Skid		
Sling	3		Pallet		
Lifting Fixture			Bicycle	4	
Dolley	3		Bus		
Handtruck	3		Passenger Car		
Wheelbarrow			Motor Truck		
Fork Truck			Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Crossing Signals	25. Hitches	39. Other (Note in Remarks)
12. Cr[illegible] Signs	26. Hooks	
13. D[illegible]n Control	27. Horn	
14. Dec.	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT
UCN-2021 (1-9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-31	Electrical Shop	01	11	10	7	6	7-24-(
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIO
Auto Arc Cutting Unit			Oxygen-Arc Cutting Unit		
Automatic Arc Welding Unit			Paper Cutter		
Bench or Pedestal Grinder	3	1(26 - 10)	Planer (metal)		
Blower			Planer (wood)		
Boring Mill			Power Press		
Centrifuge			Press Brake		
Compressor			Pulverizer		
Crusher			Pump		
Diesels (stationary)			Saw (band - metal)		
Drill Press	1		Saw (band - wood)		
Fans	3		Saw (circular - metal)		
Forming Rolls			Saw (circular - wood)		
Gear Cutter			Saw (jig)		
Grinding Machine			Saw (power - rip)		
Hobber			Saw (radial)		
Jointer			Saw (swing)		
Lathe (engine)			Screw Machine		
Lathe (turret)			Shaper (metal)		
Lathe (woodworking)			Shaper (wood)		
Manual Arc Cutting Unit			Shears		
Manual Arc Welding Unit			Slicer		
Mixer			Other *(Note in Remarks)*		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other *(Note in Remarks)*
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other *(Note in Remarks)*	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) J. L. Mathews

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

JW

Page 1 of ____

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-31	Instrument Shop	01	01	01	8	6	7-24-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto. Sprinkler System			Fire Extinguishers	2	
Emergency Exits			Protective Equip. Supply	6	2(11-5) OK used mat
Emergency Station			P. A. System		
Evacuation Alarm			Safety Showers		
Eye Baths			Standpipes		
Fire Alarm Boxes			Other (Note in Remarks)		
Fire Doors					

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Poste
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-31	Instrument Shop	01	01	02	21	19	7-24-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	6	1 (6-8)	Radiating Surfaces		
Illumination	3		Traffic Control	2	
Material Containment	7	1 (6-8) Box	Ventilation	3	
Radiation			Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Are
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

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AUDITED BY (SIGNATURE) (2) P 900.

REVIEWED WITH (SIGNATURE) M. M. [illegible]

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-31	Instrument Shop	01	01	03	17	17	7-2-62
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED		NO. UNSATISFACTORY (PART - REASON)
Cat			Ladder (stationery)		
Exit	3		Platforms		
Floors	3		Scaffolds		
Furniture	4		Stairs		
Ladder (portable)	1		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILD...	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
				04	16	11	
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine			Steam (Bldg Ht - Below 15 psig)		
Hydrofluoric Acid			Steam (Low Pressure - 15-250 psig)	1	
Natural Gas			Steam (High Pressure - above 250 psig)		
Pyrofax	10	4 (17-5)	Safety Cans Other (Note in Remarks)	5	1 (10-5)

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums Cans	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports	Strap	9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE) A. A. Sm

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-31	Instrument Shop	01	01	05	20	12	7-24-[illegible]
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low [illegible] e Equipment (Below 480 Volts)		
Corded Equipment	7	1 (8-6) O.K.
Utilization Equipment	10	2 (7-7)
High Voltage Equipment (Above 480 Volts)		
Disconnects	3	
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
6. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
				06			
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling			Use of Safe Attire		
Use of Tools		None Present	Use of Personnel Protective Devices		
Use and Maintenance of Machines & Equipment			Work Habits		
Use of Ionizing Radiation Sources					

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel [illegible] Enclosure, when Unsafe Because of Temperatu[illegible] Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

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SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-31	Instrument Shop	01	01	07	3	3	7-24-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Ele owered		
Hand	3	
Hydraulic		
Pneumatic Powered		
Powder Actuated		

UNSATISFACTORY TOOL		
1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Rem
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION			
1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILD	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-31	Instrument Shop	01	01	08	8	8	7-24-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIO
Conveyor			Power Truck		
Chain Hoist			Tractor		
Electric Hoist			Plant Railway		
Winch or Tugger			Skid		
Sling			Pallet		
Lifting Fixture			Bicycle ///	3	
Dolley ///	3		Bus		
Handtruck //	2		Passenger Car		
Wheelbarrow			Motor Truck		
Fork Truck			Other (Note in Remarks)		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Access Ladders	15. Dog	29. Lights	1. Broken	15. Overloaded
2. Bell	16. Exhaust	30. Limitswitches	2. Construction	16. Protruding Fastenings
3. Brakes	17. Fittings	31. Road Bed	3. Corroded	17. Other (Note in Remarks)
4. Bumping Post	18. Forks	32. Rope	4. Cracked	
5. Cable	19. Frame	33. Runners	5. Damaged	
6. Chain	20. Glass	34. Switches	6. Deteriorated	
7. Clearance Markers	21. Grounding Connection	35. Ties	7. Illegible	
8. Controls	22. Guards	36. Track	8. Improperly Adjusted	
9. Couplings	23. Handles	37. Wheels	9. Improperly Located	
10. Crank	24. Handrails	38. Whistle	10. Inadequate	
11. Crossing Signals	25. Hitches	39. Other (Note in Remarks)	11. Inoperative	
12. Cr g Signs	26. Hooks		12. Kinked	
13. D n Control	27. Horn		13. Maintenance	
14. De	28. Interlocks		14. Missing	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-31	Instrument Shop	01	01	09	6	6	7-24-[illegible]
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIC
Acet[illegible] ank			Freon Tank		
Air Receivers			HF Tank		
Boilers			UF_6 Containers		
THL Compressed Gas Cylinders	6		Water Storage Heaters		
Fluorine Tank			Other *(Note in Remarks)*		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other *(Note in Remarks)*
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other *(Note in Remarks)*	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE) W P Ell[illegible]

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-31	Instrument Shop	01	01	10	5	5	7-2-62
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto . Arc Cutting Unit			Oxygen-Arc Cutting Unit	1	
Automatic Arc Welding Unit			Paper Cutter		
Bench or Pedestal Grinder	2		Planer (metal)		
Blower			Planer (wood)		
Boring Mill			Power Press		
Centrifuge			Press Brake		
Compressor			Pulverizer		
Crusher			Pump		
Diesels (stationary)			Saw (band - metal)		
Drill Press	1		Saw (band - wood)		
Fans	1		Saw (circular - metal)		
Forming Rolls			Saw (circular - wood)		
Gear Cutter			Saw (jig)		
Grinding Machine			Saw (power - rip)		
Hobber			Saw (radial)		
Jointer			Saw (swing)		
Lathe (engine)			Screw Machine		
Lat et)			Shaper (metal)		
Lathe (woodworking)			Shaper (wood)		
Manual Arc Cutting Unit			Shears		
Manual Arc Welding Unit			Slicer		
Mixer			Other (Note in Remarks)		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

JW

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-31	Maintenance Shop	01	51	01	14	13	7-17-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto. Sprinkler System	1		Fire Extinguishers	4	1 (1-13)
Emergency Exits			Protective Equip. Supply	9	
Emergency Station			P. A. System		
Evacuation Alarm			Safety Showers		
Eye Baths			Standpipes		
Fire Alarm Boxes			Other (Note in Remarks)		
Fire Doors					

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Poste
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-31	Maintenance Shop	01	51	02	26	21	7-17-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	6	1 (6-8) Shop floor	Radiating Surfaces		
Illumination	4		Traffic Control	2	
Material Containment	10	4 (6-8) Wood box & Cardboard Boxes	Ventilation	4	
Radiation			Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Area
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

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SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-31	Maintenance Shop	01	51	03	17	16	7-17-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED		NO. UNSATISFACTORY (PART - REASON
Cat			Ladder (stationery)		
Exit	5		Platforms		
Floors	4		Scaffolds		
Furniture	7	1 (21-4)	Stairs		
Ladder (portable)	1		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks) Chair Casters	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-31	Maintenance Shop	01	51	04	5	4	7-17-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION
Fluorine			Steam (Bldg Ht - Below 15 psig)		
Hydrofluoric Acid			Steam (Low Pressure - 15 - 250 psig)		
Air Natural Gas	1		Steam (High Pressure - above 250 psig)		
" Pyrofax	2		Safety Cans / Other (Note in Remarks)	2	1 (10-12)

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

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SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-31	Maintenance Shop	01	51	05	31	23	7-17-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEMS INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Corded Equipment	8	3(8-6)
Utilization Equipment	14	4(7-7)
High Voltage Equipment (Above 480 Volts)		
Disconnects	9	1(13-5)
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
6. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-31	Maintenance Shop	01	51	06	7	6	7-17-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	3	1(5) Fork boom on truck upright
Use of Tools		
Use and Maintenance of Machines & Equipment	2	
Use of Ionizing Radiation Sources		

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Use of Safe Attire	2	
Use of Personnel Protective Devices		
Work Habits		

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

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SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-31	Maintenance Shop	01	51	07	10	8	7-17-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE OF TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electrically Powered		
Hand	10	2 (7-9)
Hydraulic		
Pneumatic Powered		
Powder Actuated		

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-31	Maintenance Shop	01	51	08	16	15	7-17-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor			Power Truck		
Chain Hoist	1		Tractor		
Electric Hoist			Plant Railway		
Winch or Tugger			Skid		
Sling	1		Pallet		
Lifting Fixture			Bicycle	1	
Dolley	12	1 (37-5)	Bus		
Handtruck			Passenger Car		
Wheelbarrow			Motor Truck		
Fork Truck	1		Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Crossing Signals	25. Hitches	39. Other (Note in Remarks)
12. C[illegible] Signs	26. Hooks	
13. D[illegible]n Control	27. Horn	
14. Dec[illegible]	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

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SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING (IBM 1-5)	LOCATION (6-45)	DIVISION CODE (46-49)	LOCATION CODE (50-51)	CLASS CODE (52-53)	NO. INSPECTED (54-57)	NO. SATISFACTORY (58-61)	DATE (62-67)
K-31	Maintenance Shop	01	51	09	1	1	7-17-

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITI
Acet. Tank			Freon Tank		
Air Receivers			HF Tank		
Boilers			UF_6 Containers		
Compressed Gas Cylinders	1		Water Storage Heaters		
Fluorine Tank			Other *(Note in Remarks)*		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other *(Note in Remarks)*
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other *(Note in Remarks)*	7. Incorrect	14. Not Shielded	

REMARKS:

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SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-31	Maintenance Shop	01	51	10	10	6	7-17-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto. Arc Cutting Unit			Oxygen-Arc Cutting Unit		
Automatic Arc Welding Unit			Paper Cutter		
Bench or Pedestal Grinder	2	1(26-5) O.K.	Planer (metal)		
Blower			Planer (wood)		
Boring Mill			Power Press		
Centrifuge			Press Brake		
Compressor			Pulverizer		
Crusher			Pump		
Diesels (stationary)			Saw (band - metal)	1	
Drill Press	1		Saw (band - wood)		
Fans	3	1(18-7)	Saw (circular - metal)		
Forming Rolls			Saw (circular - wood)		
Gear Cutter			Saw (jig)		
Grinding Machine			Saw (power - rip)		
Hobber			Saw (radial)		
Jointer			Saw (swing)		
Lathe (engine)			Screw Machine		
Lathe (turret)			Shaper (metal)		
Lathe (woodworking)			Shaper (wood)		
Manual Arc Cutting Unit			Shears		
Manual Arc Welding Unit	2	2(20-7)	Slicer		
Mixer			Thermo Other (Note in Remarks)	1	

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other *(Note in Remarks)*
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other *(Note in Remarks)*	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

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SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

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Page 1 of ____

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-31	Electrical Shop	01	11	01	10	10	6-28-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIO
Auto Sprinkler System	1		Fire Extinguishers	3	
Emergency Exits			Protective Equip. Supply	4	
Emergency Station	1		P. A. System		
Evacuation Alarm			Safety Showers		
Eye Baths			Standpipes		
Fire Alarm Boxes	1		Other *(Note in Remarks)*		
Fire Doors					

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Poste
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other *(Note in Remarks)*
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILD	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO SATISFACTORY	DATE
K-31	Electrical Shop	01	11	02	13	12	6-28-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	4	1(6-8) Conduit on floor Top of cabinet -	Radiating Surfaces		
Illumination	3		Traffic Control		
Material Containment	4		Ventilation	2	
Radiation			Other *(Note in Remarks)*		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Are
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other *(Note in Remarks)*
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

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SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-31	Electrical Shop	01	11	03	12	12	6-28-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED		NO. UNSATISFACTORY (PART - REASON
Catw			Ladder (stationery)		
Exit	2		Platforms		
Floors	2		Scaffolds		
Furniture	6		Stairs		
Ladder (portable)	2		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-31	Electrical Shop	01	11	04	10	9	6-28-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION
Fluorine			Steam (Bldg Ht - Below 15 psig)		
Hydrofluoric Acid			Steam (Low Pressure - 15-250 psig)		
Natural Gas			Steam (High Pressure - above 250 psig)		
Pyrofax			Safety can Other (Note in Remarks)	10	2 (10-12) 1 (5-5)

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums - can	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

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SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-31	Electrical Shop	01	11	05	25	11	6-28-[illegible]
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEMS INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low [illegible]e Equipment (Below [illegible]0 Volts)		
Corded Equipment ~~IIII~~	6	6(8-6)
~~IIII~~ Utilization Equipment ~~IIIII~~	13	7(11-5)
High Voltage Equipment (Above 480 Volts)		
~~IIII~~ Disconnects 1	6	1(7-6)
Rotating Equipment		
Other *(Note in Remarks)*		

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other *(Note in Remarks)*

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
6. Does Not Meet Plant Specification
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-31	Electrical Shop	01	11	06	4	4	6-28-[illegible]
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling			Use of Safe Attire	2	
Use of Tools			Use of Personnel Protective Devices		
Use and Maintenance of Machines & Equipment			Work Habits	2	
Use of Ionizing Radiation Sources					

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel Enclosure, when Unsafe Because of Temperatu Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

AUDITED BY (SIGNATURE) L. D. Son.

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-31	Electrical Shop	01	11	07	11	11	6-28-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE OF TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Elec. Powered	1	
Hand	10	
Hydraulic		
Pneumatic Powered		
Powder Actuated		

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-31	Electrical Shop	01	11	08	10	10	6-28-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor			Power Truck		
Chain Hoist	1		Tractor		
Electric Hoist	1		Plant Railway		
Winch or Tugger			Skid		
Sling			Pallet		
Lifting Fixture	2		Bicycle	4	
Dolley			Bus		
Handtruck	2		Passenger Car		
Wheelbarrow			Motor Truck		
Fork Truck			Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Crossing Signals	25. Hitches	39. Other (Note in Remarks)
12. C g Signs	26. Hooks	
13. D n Control	27. Horn	
14. Dec	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE)

07 - Power Tools

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-31	Electrical Shop	01	11	09	1	1	6-20
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITI
Acetylene Tank			Freon Tank		
Air Receivers			HF Tank		
Boilers			UF_6 Containers		
Compressed Gas Cylinders	1		Water Storage Heaters		
Fluorine Tank			Air Other (Note in Remarks)		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other *(Note in Remarks)*
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other *(Note in Remarks)*	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-31	Electrical Shop	01	11	10	8	8	6-28-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto[illegible] Arc Cutting Unit			Oxygen-Arc Cutting Unit		
Automatic Arc Welding Unit			Paper Cutter		
Bench or Pedestal Grinder	4	1 (26-5)	Planer (metal)		
Blower			Planer (wood)		
Boring Mill			Power Press		
Centrifuge			Press Brake		
Compressor			Pulverizer		
Crusher			Pump		
Diesels (stationary)			Saw (band - metal)		
Drill Press	1	Slight Bend in guard	Saw (band - wood)		
Fans	3		Saw (circular - metal)		
Forming Rolls			Saw (circular - wood)		
Gear Cutter			Saw (jig)		
Grinding Machine			Saw (power - rip)		
Hobber			Saw (radial)		
Jointer			Saw (swing)		
Lathe (engine)			Screw Machine		
Lat[illegible] ret)			Shaper (metal)		
Lathe (woodworking)			Shaper (wood)		
Manual Arc Cutting Unit			Shears		
Manual Arc Welding Unit			Slicer		
Mixer			Other (Note in Remarks)		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) J. L. Mathews

RADIATION MONITORIN .ND CONTROL REPORT

Division Maintenance
Department K1002
Location K-33 drum room

Date 1-25-64

Checked by BC Burnette

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
floor area		300	<100							
equipment		250	<100							

Action Taken: None Necessary

(over)

DISTRIBUTION: 1st Copy - Radiation Hazards and Safety Department K-25RC
2nd Copy - Divisional Files

Approved H. M. Wysick
Operating Supervisor

WCX-2191 (11-53) K-25RC Safety & Health Physics Section

Records File

AUDIT OF K-33 CRANE RAIL REINFORCING JOB
February 3, 1961

1. Personnel walking or working beneath welding and rigging operations did not have hard hat protection.

2. Signs indicating that work is being performed above, especially over vehicle and pedestrian passageways, were not provided.

3. Personnel, both company and subcontractor including the welding inspector, who were in close proximity of chipping operations were without eye protection.

4. Scaffolding during the welding of the channel appeared adequate.

5. Storage of material was such that traffic or access to fire fighting equipment was not obstructed.

6. Caution should be exercised to preclude the accidental entering of rivets or weld stubs into operating process motors and to cover combustible materials before welding or cutting is performed overhead.

Job Engineer [signature] Auditor [signature] Date 2-10-61

HEM:la

2-6-61

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

JW

Page 1 of ____

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-33	Electrical Maintenance	01	11	01	9	9	7-17-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIO
Auto Sprinkler System	1		11 Fire Extinguishers	3	
Emergency Exits			111 Protective Equip. Supply	5	
Emergency Station			P. A. System		
Evacuation Alarm			Safety Showers		
Eye Baths			Standpipes		
Fire Alarm Boxes			Other *(Note in Remarks)*		
Fire Doors					

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Poste
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other *(Note in Remarks)*
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-33	Electrical Shop	01	11	02	22	21	7-17-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	6		Radiating Surfaces		
Illumination	4		Traffic Control		
11 Material Containment	8	1 (6-8) Cardboard Box	Ventilation	4	
Radiation			Other *(Note in Remarks)*		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Area
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other *(Note in Remarks)*
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

130-123-9-9

AUDITED BY (SIGNATURE) 101 P. Eo[illegible]

REVIEWED WITH (SIGNATURE) [illegible]

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

Page 2 of ____

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-33	Electrical Shop	01	11	03	11	11	7-17-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Catw			Ladder (stationery)		
Exit	4		Platforms		
Floors	4		Scaffolds		
Furniture	2		Stairs		
Ladder (portable)	1		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-33	Electrical Shop	01	11	04	4	4	7-17-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine			Steam (Bldg Ht - Below 15 psig)		
Hydrofluoric Acid			Steam (Low Pressure - 15 - 250 psig)		
~~Natural Gas~~ Gas	1		Steam (High Pressure - above 250 psig)		
Pyrofax			Safety Cans Other (Note in Remarks)	3	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE) L. L. Pson

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-33	Electrical Shop	01	11	05	35	31	7-17-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEMS INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Corded Equipment	5	4(8-6) no.
Utilization Equipment	16	
High Voltage Equipment (Above 480 Volts)		
Disconnects	14	2(12-5) Identified
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
6. Does Not Meet Plant Specification
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

2(12-5)

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-33	Electrical Shop			06	9	9	7-17-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	1		Use of Safe Attire	2	
Use of Tools	2		Use of Personnel Protective Devices		glasses?
Use and Maintenance of Machines & Equipment	2		Work Habits	2	
Use of Ionizing Radiation Sources					

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel Enclosure, when Unsafe Because of Temperatu Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

AUDITED BY (SIGNATURE) [illegible] P [illegible]

REVIEWED WITH (SIGNATURE) [illegible]

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

Page 4 of _____

BUILDING (IBM 1-5)	LOCATION (6-45)	DIVISION CODE (46-49)	LOCATION CODE (50-51)	CLASS CODE (52-53)	NO. INSPECTED (54-57)	NO. SATISFACTORY (58-61)	DATE (62-67)
K-33	Electrical Shop	01	51	07	30	28	7-17-

TYPE OF TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered		
Hand	30	2 (7-9) Files with Handles
Hydraulic		
Pneumatic Powered		
Powder Actuated		

UNSATISFACTORY TOOL		
1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION			
1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING (IBM 1-5)	LOCATION (6-45)	DIVISION CODE (46-49)	LOCATION CODE (50-51)	CLASS CODE (52-53)	NO. INSPECTED (54-57)	NO. SATISFACTORY (58-61)	DATE (62-67)
K-33	Electrical Shop	01	51	08	14	14	7-17-

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor			Power Truck		
Chain Hoist	1		Tractor		
Electric Hoist	1		Plant Railway		
Winch or Tugger			Skid		
Sling	2		Pallet		
Lifting Fixture	2		Bicycle	6	
Dolley	1		Bus		
Handtruck	1		Passenger Car		
Wheelbarrow			Motor Truck		
Fork Truck			Other (Note in Remarks)		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Access Ladders	15. Dog	29. Lights	1. Broken	15. Overloaded
2. Bell	16. Exhaust	30. Limitswitches	2. Construction	16. Protruding Fastenings
3. Brakes	17. Fittings	31. Road Bed	3. Corroded	17. Other (Note in Remarks)
4. Bumping Post	18. Forks	32. Rope	4. Cracked	
5. Cable	19. Frame	33. Runners	5. Damaged	
6. Chain	20. Glass	34. Switches	6. Deteriorated	
7. Clearance Markers	21. Grounding Connection	35. Ties	7. Illegible	
8. Controls	22. Guards	36. Track	8. Improperly Adjusted	
9. Couplings	23. Handles	37. Wheels	9. Improperly Located	
10. Crank	24. Handrails	38. Whistle	10. Inadequate	
11. Crossing Signals	25. Hitches	39. Other (Note in Remarks)	11. Inoperative	
12. Cr[illegible] Signs	26. Hooks		12. Kinked	
13. D[illegible] n Control	27. Horn		13. Maintenance	
14. Dec[illegible]	28. Interlocks		14. Missing	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) J. L. Mathews

07 - Power Tools-Handling

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-33	Electrical Shop	01	11	09	1	1	7-17-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITI
Ace. ank			Freon Tank		
Air Receivers			HF Tank		
Boilers			UF_6 Containers		
Compressed Gas Cylinders	1		Water Storage Heaters		
Fluorine Tank			Other *(Note in Remarks)*		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other *(Note in Remarks)*
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other *(Note in Remarks)*	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) J. L. Mathews

09 - Pressure Vessels &

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-33	Electrical Shop -	01	11	10	4	4	7-17
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIO
Auto. Arc Cutting Unit			Oxygen-Arc Cutting Unit		
Automatic Arc Welding Unit			Paper Cutter		
Bench or Pedestal Grinder	2		Planer (metal)		
Blower			Planer (wood)		
Boring Mill			Power Press		
Centrifuge			Press Brake		
Compressor			Pulverizer		
Crusher			Pump		
Diesels (stationary)			Saw (band - metal)		
Drill Press	1		Saw (band - wood)		
Fans	1		Saw (circular - metal)		
Forming Rolls			Saw (circular - wood)		
Gear Cutter			Saw (jig)		
Grinding Machine			Saw (power - rip)		
Hobber			Saw (radial)		
Jointer			Saw (swing)		
Lathe (engine)			Screw Machine		
Lat. et)			Shaper (metal)		
Lathe (woodworking)			Shaper (wood)		
Manual Arc Cutting Unit			Shears		
Manual Arc Welding Unit			Slicer		
Mixer			Other *(Note in Remarks)*		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other *(Note in Remarks)*
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other *(Note in Remarks)*	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) J. L. Mathews

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

JW

Page 1 of ____

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-33	Instrument Shop	01	01	01	6	5	7-17-[illegible]
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIO
Auto[illegible] Sprinkler System	1		Fire Extinguishers	2	1(1-5) ([illegible])
Emergency Exits			Protective Equip. Supply	3	
Emergency Station			P. A. System		
Evacuation Alarm			Safety Showers		
Eye Baths			Standpipes		
Fire Alarm Boxes			Other *(Note in Remarks)*		
Fire Doors					

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Poste
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other *(Note in Remarks)*
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-33	Instrument Shop	01	01	02	23	21	7-17-[illegible]
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	6	1(6-8)	Radiating Surfaces		
Illumination	4		Traffic Control	2	
Material Containment	7	1(6-9) Rags	Ventilation	4	
Radiation			Other *(Note in Remarks)*		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Are
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other *(Note in Remarks)*
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

AUDITED BY (SIGNATURE) [illegible] P [illegible]

REVIEWED WITH (SIGNATURE) [illegible]

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-33	Instrument Shop	01	01	03	14	14	7-17-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART-REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART-REASON)
Catw			Ladder (stationery)		
Exit	3		Platforms		
Floors	4		Scaffolds		
Furniture	6		Stairs		
Ladder (portable)	1		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-33	Instrument Shop	01	01	04	6	4	7-17-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART-CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Fluorine			Steam (Bldg Ht - Below 15 psig)		
Hydrofluoric Acid			Steam (Low Pressure-15-250 psig)		
Natural Gas - air	1		Steam (High Pressure - above 250 psig)		
Pyrofax	1		~~Safety Can~~ Other (Note in Remarks)	4	2 (10-12) not [illegible]

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums - Can	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE) M. P. Esn.

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-33	Instrument Shop	01	01	05	26	24	
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEMS INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Corded Equipment	17	(8-6)
Utilization Equipment	5	1(11-5) Identified
High Voltage Equipment (Above 480 Volts)		
Disconnects	4	1(7-7) Identified
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
6. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-33	Instrument Shop	01	01	06	5	5	7-17-[illegible]
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	1		Use of Safe Attire	2	
Use of Tools	1		Use of Personnel Protective Devices		
Use and Maintenance of Machines & Equipment	1		Work Habits		
Use of Ionizing Radiation Sources					

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

AUDITED BY (SIGNATURE) W. T. P. Sood.

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-33	Instrument Shop	01	01	07	15	15	7-17-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE OF TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered		
Hand	14	
Hydraulic	1	
Pneumatic Powered		
Powder Actuated		

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-33	Instrument Shop	01	01	08	9	9	7-17-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor			Power Truck		
Chain Hoist	2		Tractor		
Electric Hoist			Plant Railway		
Winch or Tugger			Skid		
Sling			Pallet		
Lifting Fixture			Bicycle	7	
Dolley			Bus		
Handtruck			Passenger Car		
Wheelbarrow			Motor Truck		
Fork Truck			Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Crossing Signals	25. Hitches	39. Other (Note in Remarks)
12. Cr[illegible] Signs	26. Hooks	
13. D[illegible]n Control	27. Horn	
14. Dec[illegible]	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE)

07 - Power Tools
08 - Materials Handling

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-33	Instrument Shop	01	01	09	2	2	7-12
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIC
Acet ank			Freon Tank		
Air Receivers			HF Tank		
Boilers			UF_6 Containers		
Compressed Gas Cylinders	2		Water Storage Heaters		
Fluorine Tank			Other *(Note in Remarks)*		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other *(Note in Remarks)*
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other *(Note in Remarks)*	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE)

09 - Pressure Vessels &

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-33	Instrument Shop	01	01	10	8	8	7-17-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto Arc Cutting Unit			Oxygen-Arc Cutting Unit	1	
Automatic Arc Welding Unit			Paper Cutter		
Bench or Pedestal Grinder	2		Planer (metal)		
Blower			Planer (wood)		
Boring Mill			Power Press		
Centrifuge			Press Brake		
Compressor			Pulverizer		
Crusher			Pump		
Diesels (stationary)			Saw (band - metal)		
Drill Press			Saw (band - wood)		
Fans	5		Saw (circular - metal)		
Forming Rolls			Saw (circular - wood)		
Gear Cutter			Saw (jig)		
Grinding Machine			Saw (power - rip)		
Hobber			Saw (radial)		
Jointer			Saw (swing)		
Lathe (engine)			Screw Machine		
Lathe (turret)			Shaper (metal)		
Lathe (woodworking)			Shaper (wood)		
Manual Arc Cutting Unit			Shears		
Manual Arc Welding Unit			Slicer		
Mixer			Other *(Note in Remarks)*		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other *(Note in Remarks)*
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other *(Note in Remarks)*	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

JW

Page 1 of ____

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-33	Maintenance Shop	01	51	01	8	6	7-17-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto Sprinkler System	1		Fire Extinguishers	3	
Emergency Exits			Protective Equip. Supply	4	Fire shield [illegible], [illegible] 2 (17-3)
Emergency Station			P. A. System		
Evacuation Alarm			Safety Showers		
Eye Baths			Standpipes		
Fire Alarm Boxes			Other (Note in Remarks)		
Fire Doors					

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Poste
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other Storage	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-131	Maintenance Shop	01	51	02	26	22	7-17-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	6	2 (6-8)	Radiating Surfaces		
Illumination	4		Traffic Control	2	
Material Containment	10	2 (6-8)	Ventilation	4	
Radiation			Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Are
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

159-122— 0-0

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SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

Page 2 of ____

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-33	Maintenance Shop	01	51	03	25	24	7-17-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED		NO. UNSATISFACTORY (PART - REASON)
Catv.			Ladder (stationery)		
Exit	6		Platforms		
Floors	6		Scaffolds		
Furniture	12		Stairs		
Ladder (portable)	1	1 (15 - 3)	Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-33	Maintenance Shop	01	51	04	18	8	7-17-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine			Steam (Bldg Ht - Below 15 psig)		
Hydrofluoric Acid			Steam (Low Pressure - 15-250 psig)		
Natural Gas			Steam (High Pressure - above 250 psig)		
Pyrofax - air	1		Safety Cans Flammable Other (Note in Remarks)	17	10 (10 - 12) no.

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums - Cans	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

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SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-33	Maintenance Shop	01	51	05	40	28	7-17-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Corded Equipment	9	4 (8-6) no.
Utilization Equipment	23	5 (11-5) D.K.
High Voltage Equipment (Above 480 Volts)		
Disconnects	8	3 (12-5) one only Temp-
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
6. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-33	Maintenance Shop	01	51	06			
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling			Use of Safe Attire		
Use of Tools			Use of Personnel Protective Devices		
Use and Maintenance of Machines & Equipment			Work Habits		
Use of Ionizing Radiation Sources					

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

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SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-33	Maintenance Shop	01	51	07	13	11	7-17-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND-CONDITION)
Elec Powered	1	
Hand	7	2 (1-9)
Hydraulic	3	
Pneumatic Powered	2	
Powder Actuated		

UNSATISFACTORY TOOL		
1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-33	Maintenance Shop	01	51	08	10	10	7-17-[illegible]
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Conveyor			Power Truck		
Chain Hoist	1		Tractor		
Electric Hoist			Plant Railway		
Winch or Tugger			Skid		
Sling	2		Pallet		
Lifting Fixture	2		Bicycle	2	
Dolley	8		Bus		
Handtruck	1		Passenger Car		
Wheelbarrow			Motor Truck		
Fork Truck			Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Crossing Signals	25. Hitches	39. Other (Note in Remarks)
12. Cr[illegible] Signs	26. Hooks	
13. D[illegible]n Control	27. Horn	
14. Dec[illegible]	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

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07 - Power Tools

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-33	Maintenance Shop.	01	51	09	5	5	7-17-.
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITI
Ace. . ank			Freon Tank		
Air Receivers bits	1		HF Tank		
Boilers			UF_6 Containers		
Compressed Gas Cylinders	4		Water Storage Heaters		
Fluorine Tank			Other *(Note in Remarks)*		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other *(Note in Remarks)*
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other *(Note in Remarks)*	7. Incorrect	14. Not Shielded	

REMARKS:

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SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-33	Maintenance Shop	01	51	10	8	2	7-27-7
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIO
Aut. . Arc Cutting Unit			1/ Oxygen-Arc Cutting Unit		
Automatic Arc Welding Unit			Paper Cutter		
11 Bench or Pedestal Grinder	2		Planer (metal)		
Blower			Planer (wood)		
Boring Mill			Power Press		
Centrifuge			Press Brake		
Compressor			Pulverizer		
Crusher			Pump 1	1	1(14-10) no
Diesels (stationary)			1 Saw (band - metal)	1	
1 Drill Press	1		Saw (band - wood)		
1 Fans	1		Saw (circular - metal)		
Forming Rolls			Saw (circular - wood)		
Gear Cutter			Saw (jig)		
Grinding Machine			Saw (power - rip)		
Hobber			Saw (radial)		
Jointer			Saw (swing)		
Lathe (engine)			Screw Machine		
Lat et)			Shaper (metal)		
Lathe (woodworking)			Shaper (wood)		
Manual Arc Cutting Unit			Shears		
1 Manual Arc Welding Unit	1	1(20-7) no	Slicer		
Mixer			Thrasher ! Other (Note in Remarks)	1	

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other *(Note in Remarks)*
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other *(Note in Remarks)*	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

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SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

JW

Page 1 of ____

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-33	Electrical Shop	01	11	01	11	11	6-28-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto Sprinkler System	1		Fire Extinguishers	3	
Emergency Exits			Protective Equip. Supply	7	
Emergency Station			P. A. System		
Evacuation Alarm			Safety Showers		
Eye Baths			Standpipes		
Fire Alarm Boxes			Other *(Note in Remarks)*		
Fire Doors					

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Poste
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other *(Note in Remarks)*
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO SATISFACTORY	DATE
K-33	Electrical Shop	01	11	02	16	14	6-28-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	4	1 (6-8) Cabinets Floor Light Bulbs Outside	Radiating Surfaces		
Illumination	3		Traffic Control	2	
Material Containment	4	1 (6-1) Cardboard Boxes	Ventilation	3	
Radiation			Other *(Note in Remarks)*		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Area
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other *(Note in Remarks)*
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

123-99 - 6-6

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SAFETY-AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-33	Electrical Maintenance	01	11	03	20	20	6-28-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART-REASON)	SURFACES CHECKED		NO. UNSATISFACTORY (PART-REASON)
Catw			Ladder (stationery)		
Exit	4		Platforms		
Floors	4		Scaffolds		
Furniture	10		Stairs		
Ladder (portable)	2		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-33	Electrical Maintenance	01	11	04	5	5	6-28-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART-CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Fluorine			Steam (Bldg Ht - Below 15 psig)		
Hydrofluoric Acid			Steam (Low Pressure - 15-250 psig)		
Natural Gas			Steam (High Pressure - above 250 psig)		
Pyrofax	2		Spray Can III Other (Note in Remarks)	3	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

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SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
				05	37	19	
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEMS INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Corded Equipment ~~IIII~~ IIII	9	9(8-6)
~~IIII~~ ~~IIII~~ Utilization Equipment IIII	14	2(11-10) 2(11-5)
High Voltage Equipment (Above 480 Volts)		
~~IIII~~ IIII Disconnects ~~IIII~~	14	5(7-6)
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
6. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded
10. Dirty

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-33	Electrical Shop	01	11	06	6	6	6-28-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling			Use of Safe Attire	2	
Use of Tools			Use of Personnel Protective Devices	2	
Use and Maintenance of Machines & Equipment			Work Habits	2	
Use of Ionizing Radiation Sources					

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel Enclosure, when Unsafe Because of Temperatu Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

AUDITED BY (SIGNATURE) [illegible]

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SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-33	Electrical Shop	01	11	07	17	14	6-28-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE OF TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Elec. Powered		
Hand	17	3 (7-9)
Hydraulic		
Pneumatic Powered		
Powder Actuated		

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-33	Electrical Shop	01	11	08	9	9	6-28-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor			Power Truck		
Chain Hoist	1		Tractor		
Electric Hoist	1		Plant Railway		
Winch or Tugger			Skid		
Sling	2		Pallet		
Lifting Fixture	1		Bicycle	4	
Dolley			Bus		
Handtruck			Passenger Car		
Wheelbarrow			Motor Truck		
Fork Truck			Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Crossing Signals	25. Hitches	39. Other (Note in Remarks)
12. Cr[illegible] Signs	26. Hooks	
13. D[illegible]n Control	27. Horn	
14. Dec[illegible]	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE)

07 - Power Tools

08 - Materials Handling

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-33	Electrical Maintenance	01	11	09	2	2	6-28-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITI
Acet. Tank			Freon Tank		
Air Receivers			HF Tank		
Boilers			UF_6 Containers		
Compressed Gas Cylinders	2	Prechlorite	Water Storage Heaters		
Fluorine Tank			Other *(Note in Remarks)*		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other *(Note in Remarks)*
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other *(Note in Remarks)*	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE)

09 - Pressure Vessels &

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
				10	6	5	
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Arc Cutting Unit			Oxygen-Arc Cutting Unit		
Automatic Arc Welding Unit			Paper Cutter		
Bench or Pedestal Grinder	2		Planer (metal)		
Blower			Planer (wood)		
Boring Mill			Power Press		
Centrifuge			Press Brake		
Compressor			Pulverizer		
Crusher			Pump		
Diesels (stationary)			Saw (band - metal)		
Drill Press	1		Saw (band - wood)		
Fans	3	1 (18-7)	Saw (circular - metal)		
Forming Rolls			Saw (circular - wood)		
Gear Cutter			Saw (jig)		
Grinding Machine			Saw (power - rip)		
Hobber			Saw (radial)		
Jointer			Saw (swing)		
Lathe (engine)			Screw Machine		
Lathe (turret)			Shaper (metal)		
Lathe (woodworking)			Shaper (wood)		
Manual Arc Cutting Unit			Shears		
Manual Arc Welding Unit			Slicer		
Mixer			Other (Note in Remarks)		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) J. L. Mathews

RW
WME

ALPHA CONTAMINATION AUDIT REPORT

ation K-131 Cascade Maint. Lunch Room (3033) Date 9-7-61
...pervisor in Charge H.E. Wyrick. Total Work Area 12.5 ft^2
Operations in Progress —

Protective Measures in Force —

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	0	0
	Area Factor (Total)	0	0
	Area Factor (Wipe)	0	0

SPECIFIC LOCATION	Area (ft^2) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Floor Area					[illegible]	[illegible]
Tables					<100	[illegible]
Benches					500	[illegible]

1. ~~Ellis~~ W IC
2. Files

JW

ALPHA CONTAMINATION AUDIT REPORT (3034)

ation K-131 Chem. Maint Storage (Lower level) Date 7-13-61.

pervisor in Charge C. L. Terry. Total Work Area 3700 ft²

Operations in Progress No work in Progress.

Protective Measures in Force

SUMMARY:

ALPHA CONTAMINATION		This Survey	Last Survey
	Index	200.	328.
	Area Factor (Total)	33.	70.
	Area Factor (Wipe)	43.	80.

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Floor Storage Bins & Equip	916	I	1218	I	[illegible]	500
" " " "	276	II	290	II	[illegible]	2000
" " " "	38	III	84	III	>1250	5000

	Range Surface	(c/m) Wipe	Weighting Factor			
Class 0	*	–	0	Total ft²		
Class I	500-2000	100-500	1		916	1218
Class II	2000-10,000	500-2000	5		276	290
ss III	>10,000	>2000	20		38	84
			Grand Total (ft²)		1230	1592

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

1. ~~Ellis~~ wife
2. Files JW

BETA-GAMMA RADIATION AUDIT REPORT

(3036)

Location K-131 Chem. Maint. Storage (Lower level) Date 7-13-61.

Supervisor in Charge C.L. Terry. Total Work Area 3700. ft²

Operations in Progress No Work In Progress.

Protective Measures in Force —

SUMMARY

RADIATION		This Survey	Last Survey
	β+γ Index	0.16	0.97
	β+γ Area Factor	0.16	0.97
	γ Area Factor	0.0	0.0

SPECIFIC LOCATION	7.5 mrep/hr Distance (ft)	Area (ft²) and Class of Radiation β+γ		γ		Reading (mrep/hr) Maximum β+γ	Maximum γ	1 ft. β+γ	1 ft. γ
Conveyor Chains	1.	6	I.	—	—	13	<PAL.	7.5	—

	Range mrep/hr	Weighting Factor	Total ft²	β+γ	γ
Class I	7.5 - 37.5	1		6	
Class II	37.5 - 300	5		0	
Class III	300 - 3000	40		0	
Class IV	> 3000	400		0	
		Grand Total (ft²)		6	

Maximum Reading β+γ 7.5 1'

WCX-2067 (10-53) K-25 SAFETY AND HEALTH PHYSICS

1. ~~Editor~~ WFE JW
2. Files

ALPHA CONTAMINATION AUDIT REPORT (3035)

ation K-131 Elec. Maint Lunch Area Date 7-13-61

pervisor in Charge A.L. Dawson Total Work Area 360 ft²

Operations in Progress —

Protective Measures in Force —

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	22	0.0
	Area Factor (Total)	1.1	0.0
	Area Factor (Wipe)	1.1	0.0

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Floor at End of Table	4	I	4	I	1100	200
Table					<100	<100
Benches					200	<100

	Range Surface	Range (c/m) Wipe	Weighting Factor	Total ft²			B.P. P.A.L.
Class 0	*	—	0				
Class I	500-2000	100-500	1		4	4	
Class II	2000-10,000	500-2000	5		0	0	
ss III	> 10,000	> 2000	20		0	0	
			Grand Total (ft²)		4	4	

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

JW

ALPHA CONTAMINATION AUDIT REPORT

Location K-131 Electrical / Maint. Shop (3000) Date 3-7-61

Supervisor in Charge Dawson Total Work Area 600 ft^2

Operations in Progress Normal Maint.

Protective Measures in Force

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	7.0	6.0
	Area Factor (Total)	7.0	6.0
	Area Factor (Wipe)	0.0	0.0

SPECIFIC LOCATION	Area (ft^2) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Floor Area	42	I	—	—	850	~100

	Range (c/m) Surface	Range (c/m) Wipe	Weighting Factor				
Class 0	*	–	0	Total ft^2		—	β + γ < PAL
Class I	500-2000	100-500	1		42	—	
Class II	2000-10,000	500-2000	5		—	—	
ss III	> 10,000	> 2000	20		—	—	
			Grand Total (ft^2)		42	—	

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

JW

ALPHA CONTAMINATION AUDIT REPORT

Location K-131 Electrical / Maint Lunch Room (3035) Date 3-7-61

Supervisor in Charge Dawson Total Work Area 360 ft^2

Operations in Progress

Protective Measures in Force

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	0.0	0.0
	Area Factor (Total)	0.0	0.0
	Area Factor (Wipe)	0.0	0.0

SPECIFIC LOCATION	Area (ft^2) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Elev Area	—	—	—	—	450	<100

	Range Surface	(c/m) Wipe	Weighting Factor				
Class 0	*	–	0	Total ft^2			B + J < PAL
Class I	500-2000	100-500	1		—	—	
Class II	2000-10,000	500-2000	5		—	—	
Class III	> 10,000	> 2000	20		—	—	
			Grand Total (ft^2)		—	—	

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

JW

ALPHA CONTAMINATION AUDIT REPORT

Location K-131 Maintenance Tech Room (3033) Date 1-25-60

Supervisor in Charge F. Martin Total Work Area 125 ft^2

Operations in Progress Routine

Protective Measures in Force

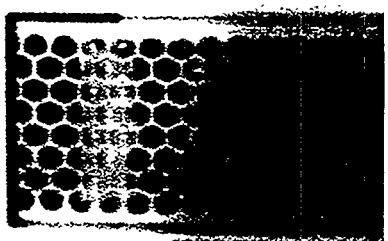
SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	0	0
	Area Factor (Total)	0	0
	Area Factor (Wipe)	0	0

SPECIFIC LOCATION	Area (ft^2) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
All readings <100						

	Range Surface	(c/m) Wipe	Weighting Factor			
Class 0	*	–	0	Total ft^2		
Class I	500-2000	100-500	1			
Class II	2000-10,000	500-2000	5			
Class III	>10,000	>2000	20			
			Grand Total (ft^2)			

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.



~~0 0 0 0 0~~	~~Dec 15 7 43 AM '61~~
~~0 0 0 5 1~~	~~Dec 15 7 42 AM '61~~
~~0 0 0 0 1~~	~~Dec 15 7 30 AM '61~~
0 0 Void	~~Dec 15 7 29 AM '61~~
0 0 0 1 3	Dec 12 11 59 PM '61
0 0 0 1 9	Dec 12 3 59 PM '61
0 0 0 1 9	Dec 12 7 59 AM '61
0 0 0 2 3	Dec 11 11 59 PM '61
0 0 0 2 1	Dec 11 3 59 PM '61
0 0 0 2 8	Dec 11 7 59 AM '61
0 0 0 3 0	Dec 10 11 59 PM '61
0 0 0 2 9	Dec 10 3 59 PM '61
0 0 0 2 7	Dec 10 7 59 AM '61
0 0 0 2 7	Dec 9 11 59 PM '61
0 0 0 2 8	Dec 9 3 59 PM '61
0 0 0 2 7	Dec 9 7 59 AM '61
0 0 0 2 5	Dec 8 11 59 PM '61
0 0 0 2 7	Dec 8 3 59 PM '61
0 0 0 1 8	Dec 8 7 59 AM '61
0 0 0 1 7	Dec 7 11 59 PM '61
0 0 0 1 9	Dec 7 3 59 PM '61
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0 0 0 3 3	Dec 6 11 59 PM '61
0 0 0 3 8	Dec 6 3 59 PM '61
0 0 0 0 2	Dec 6 7 29 AM '61
0 0 0 0 1	Dec 5 11 29 PM '61
0 0 0 0 1	Dec 5 3 29 PM '61
0 0 0 0 2	Dec 5 7 29 AM '61
0 0 0 0 2	Dec 4 11 29 PM '61
0 0 0 0 1	Dec 4 3 29 PM '61
0 0 0 0 1	Dec 4 7 28 AM '61
~~0 0 0 0 2~~	~~Dec 4 5 42 AM '61~~

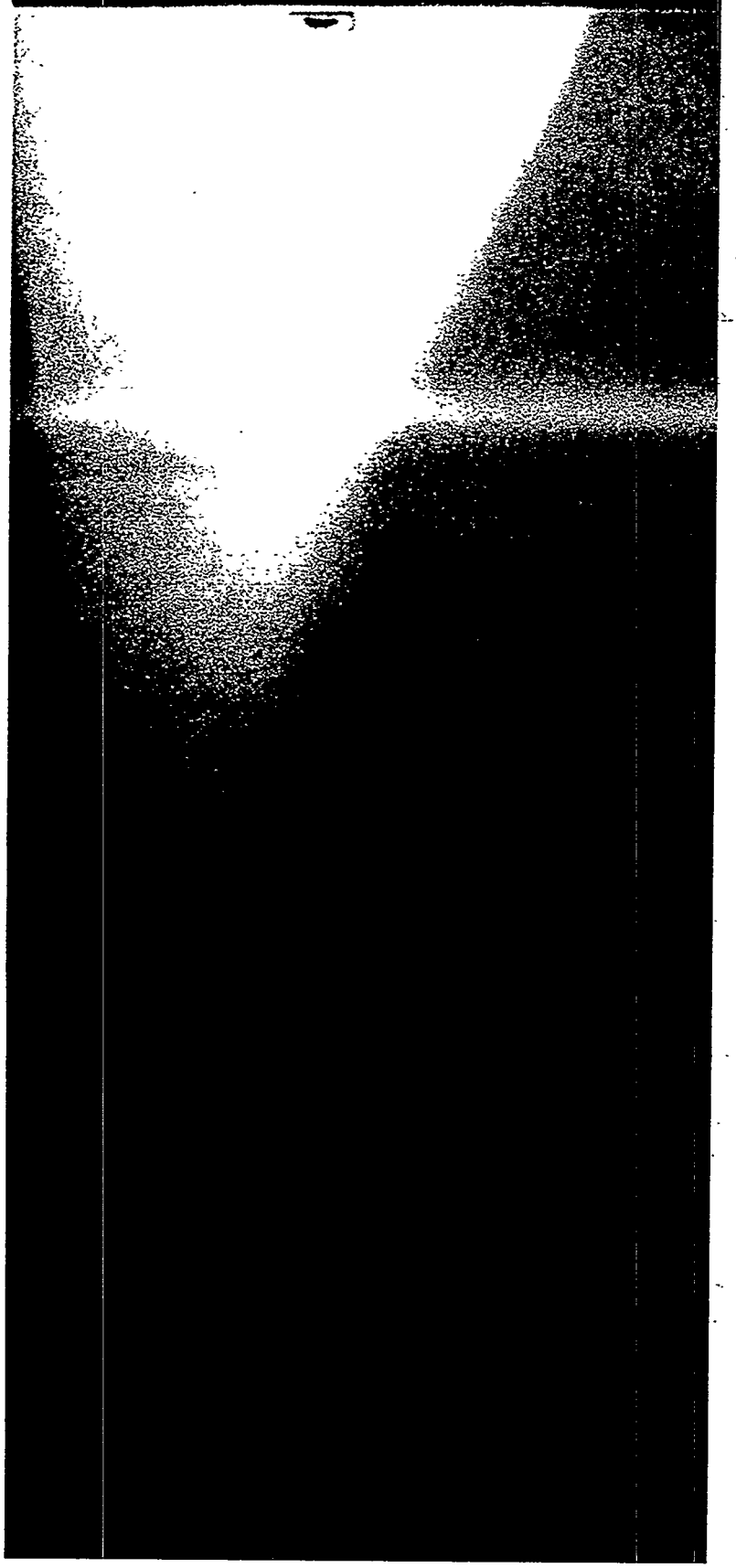
Total Activity 21.78 No. of Samples - 75
Average Activity 0.29 No > P.A.L. 0
% > P.A.L. 0

K-131 Effluent Sump -
Dec. 1961

CAL. Check
12-21-61
Inst. Dept

~~0 0 0 3 8~~	Dec 21 4 01 AM '61
~~0 0 0 1 2~~	Dec 21 3 45 AM '61
0 0 0 2 2	Dec 21 12 00 AM '61
0 0 0 2 5	Dec 20 4 00 PM '61
0 0 0 2 2	Dec 20 8 00 AM '61
0 0 0 2 1	Dec 20 12 00 AM '61
0 0 0 1 7	Dec 19 4 00 PM '61
0 0 0 2 9	Dec 19 8 00 AM '61
0 0 0 2 7	Dec 19 12 00 AM '61
0 0 0 1 7	Dec 18 4 00 PM '61
0 0 0 4 2	Dec 18 8 00 AM '61
0 0 0 4 4	Dec 18 12 00 AM '61
0 0 0 4 6	Dec 17 4 00 PM '61
0 0 0 4 0	Dec 17 8 00 AM '61
0 0 0 4 2	Dec 17 12 00 AM '61
0 0 0 4 7	Dec 16 4 00 PM '61
0 0 0 4 9	Dec 16 8 00 AM '61
0 0 0 5 2	Dec 15 12 00 AM '61
0 0 0 5 4	Dec 15 4 00 PM '61
~~0 0 0 0 1~~	Dec 15 8 00 AM '61
0 0 0 0 1	Dec 15 7 45 AM '61
~~0 0 0 0 0~~	~~Dec 15 7 43 AM '61~~
~~0 0 0 5 1~~	~~Dec 15 7 42 AM '61~~

Cal. Check
12-21-61
Inst. Dept



0 0 0 0 9	#7 monitor K-131 Merit Step 1-2-62	Dec 32 12 00 AM '61
0 0 0 0 9		Dec 31 4 00 PM '61
0 0 0 2 7		Dec 31 8 00 AM '61
0 0 0 2 9		Dec 31 12 00 AM '61
0 0 0 3 5		Dec 30 4 00 PM '61
0 0 0 3 0		Dec 30 8 00 AM '61
0 0 0 3 3		Dec 30 12 00 AM '61
0 0 0 3 2		Dec 29 4 00 PM '61
0 0 0 2 6		Dec 29 8 00 AM '61
0 0 0 2 4		Dec 29 12 00 AM '61
0 0 0 2 4		Dec 28 4 00 PM '61
~~0 0 0 0 2~~		Dec 28 8 00 AM '61
~~0 0 0 3 8~~	CAL. CHECK 12-28-61 OK INST. DEPT. 12/28/61	Dec 28 7 23 AM '61
~~0 0 0 1 7~~		Dec 28 7 08 AM '61
0 0 0 2 1		Dec 28 12 00 AM '61
0 0 0 4 2		Dec 27 4 00 PM '61
0 0 0 5 3		Dec 27 8 00 AM '61
0 0 0 4 3		Dec 27 12 00 AM '61
0 0 0 4 6		Dec 26 4 00 PM '61
0 0 0 5 3		Dec 26 8 00 AM '61
0 0 0 4 0		Dec 26 12 00 AM '61
0 0 0 3 3		Dec 25 4 00 PM '61
0 0 0 3 5		Dec 25 8 00 AM '61
0 0 0 3 3		Dec 25 12 00 AM '61
0 0 0 3 4		Dec 24 4 00 PM '61
0 0 0 3 0		Dec 24 8 00 AM '61
0 0 0 2 2		Dec 24 12 00 AM '61
0 0 0 2 5		Dec 23 4 00 PM '61
0 0 0 4 0		Dec 23 8 00 AM '61
0 0 0 5 1		Dec 23 12 00 AM '61
0 0 0 4 9		Dec 22 4 00 PM '61
0 0 0 6 1		Dec 22 8 00 AM '61
0 0 0 4 4		Dec 22 12 00 AM '61
0 0 0 3 7		Dec 21 4 00 PM '61
~~0 0 0 1 8~~		Dec 21 8 00 AM '61

RADIATION MONITORIN ND CONTROL REPORT

Division Maintenance
Department K-1002
Location K-131 Maintenance Storage Area

Date 6-1-61 JW
Checked by B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
								Safety and Health Physics		
Floor area	200	1500	400							
Misc. equipt parts		6500	1200							
							1961 JUN 12 PM 3:24			

Action Taken: A "Request for Decontamination" Was issued on the 6-2-61

(over)

Approved Clyde Perry
Operating Supervisor

DISTRIBUTION: 1st Copy - Radiation Hazards and Safety Department K-25RC
2nd Copy - Divisional Files

WCX-2191 (11-53) K-25RC Safety & Health Physics Section

RADIATION MONITORIN ND CONTROL REPORT

Division: Maintenance
Department: 1077
Location: K-131 electrical shop

Date: 6-1-61

Checked by: B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
Floor area	8	1500	150							
Tool boxes	12	900	200							
Workbench	6	900	150							
Vibrators	3	4000	400							

Safety and Health Physics

1961 JUN 12 PM 3:25

Action Taken: The above equipment have been steam cleaned
* 1 Checked & released in my hands, shoes, clothes
2 1 other Personnel Checked
* exchanged contaminated shoes for clean ones.

(over)

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2nd Copy - Divisional Files

Approved: E. E. Spalter
Operating Supervisor

WCX-2191 (11-53) K-25RC Safety & Health Physics Section

-62-

RADIATION MONITORIN .ND CONTROL REPORT

Division Maintenance
Department 1002
Location K-131 pipe fabrication shop

Date 5-16-61 JW
Checked by B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft²	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft³)	Alpha Counts/min/ft³
Shop area										
Welding table	14	712,500	1450							
floor area around		1200	150							
Welding table	32*									
Office										
floor area		200	<100							
Equipment		<100	<100							
Toilets										
floor area		100	<100							
Equipment		150	<100							

Safety and Health Physics
1961 JUN 12 PM 3:26

Action Taken: None Necessary. 5 Checked 5 Pal radiation on hands, shoes, clothes
5 Total Personnel Checked

(over)

Approved W. H. Luckett
Operating Supervisor

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2nd Copy • Divisional Files

WCX-2191 (11-53) K-25RC Safety & Health Physics Section

-63-

RADIATION MONITORIN AND CONTROL REPORT

Division: Maintenance
Department: K-1002
Location: K-131 pipe fabrication shop

Date: 4-10-61 JW
Checked by: BC Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
floor area	26	1400	150							
Work tables	16	1950	200	Pal.						
				L						
office										
floor area		200	<100	Pal						
equipment		250	<100							
				L						
lunch room										
floor area		200	<100	Pal						
equipment		<100	<100							
				L						

Action Taken: None Necessary 12 Checked for Pal radiation on hands, shoes, clothes
12 Total Personnel Checked

(over)

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WCX-2191 (11-53) K-25RC Safety & Health Physics Section

Approved: W. H. Luckett
Operating Supervisor

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RADIATION MONITORIN .ND CONTROL REPORT

Division Main tow area
Department 1004
Location K-131 storage area

Date 4-17-61
Checked by B C Burnell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
		Surface	Wipe	Surface	1 ft	Distance (ft)				
floor area		400	<100							
Miscl. equipment		3000	160							
				<						
Cyclone filter				40	10	—				

Action Taken: None necessary.

(over)

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Approved Clyde Jeffery
Operating Supervisor

1961 APR 12 PM 4:02
Safety and Health Physics

RADIATION MONITORIN ND CONTROL REPORT

Division: Maintenance
Department: 1002
Location: K-131 electrical

Date: 4-17-61
Checked by: B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
floor area		350	<100		ND.					
fe equipment		300	<100	ND.						

Action Taken: None Necessary.

(over)

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Approved: J. L. Mathews
Operating Supervisor

RADIATION MONITORIN\ .ND CONTROL REPORT

Division Maintenance
Department K-1037 Welding shop
Location

Date 4-3-61 JW
Checked by BC Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
Welding Dog				2.5	—	—				
Company Shoes				2.0	—	—				

Action Taken: The above articles belonging to Wm Chekel at Martin's Supervisor - request - the attempt was made to clean both articles - having success with the shoes (over)
The Welding Dog - was exchanged for another

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Approved W. K. Luckett
Operating Supervisor

WCX-2191 (11-53) K-25RC Safety & Health Physics Section

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RADIATION MONITORIN ND CONTROL REPORT

Division Maintenance
Department 1077
Location K-131 electrical

Date 3-29-61

Checked by B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
floor area		250	<100	1.2	—	—				
4 Lights	30	6000	1500							
Tool boxes	12	1300	150							

Action Taken: Decontamination followed by recheck. (ok)

(over)

Approved J L Matthews
Operating Supervisor

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* 2 Checked Rad radiation on Coveralls
2 Total Personal Checked

*
Were found with Contaminated Coveralls.
Mr. Dawson (their supervisor) requested that
Coveralls be exchanged for clean ones, following
completion of present job.

BCBurnell

RADIATION MONITORING AND CONTROL REPORT

Division: Maintenance
Department: 10
Location: K-13 electrical shop

Date: 3-20-61
Checked by: B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft²	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft³)	Alpha Counts/min/ft³
floor area	100	1700	400	Pal						
Table tops	36	1450	150							
Wooden Pallet	6	900	100							
heaters	100	1100	150							

Action Taken: Decontamination followed by recheck. Checked Pal radiation on shoes, clothes, hands & total personnel checked

(over)

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Approved: D. L. Mathews
Operating Supervisor

-20-

RADIATION MONITORIN .ND CONTROL REPORT

Division Maintenance
Department 100
Location K-131 pipe fabrication shop

Date 3-16-61
Checked by B C Burnette

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft²	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft³)	Alpha Counts/min/ft³
floor area		Visible material								

Action Taken: The above material was cleaned up immediately

(over)

Approved W. H. Puckett
Operating Supervisor

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RADIATION MONITORIN .ND CONTROL REPORT

Division Maintenance
Department 1002
Location K-131 Maintenance Storage

Date 3-7-61

Checked by B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
Floor area	300	1700	300							
Misc. K-113 equipment		712,500	Visible							
Center of area							M-129	1:48	180	0.005
Cyclone filters				120	35	3				

Action Taken: Decontamination followed by recheck

(over)

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Approved [signature]
Operating Supervisor

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RADIATION MONITORIN ND CONTROL REPORT

Division: Maintenance
Department:
Location: K-131 electrical shop

Date: 3-7-61 JW
Checked by: B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft²	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft³
floor area	10	850	<100							
equipment		300	<100	<PAL						

Action Taken: None Necessary. 3/3 Checked <PAL radiation on hands, shoes, clothes 10-61 Rev. Checked

(over)

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WCX-2191 (11-53) K-25RC Safety & Health Physics Section

Approved: J. L. Mathews
Operating Supervisor

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RADIATION MONITORIN ND CONTROL REPORT

Division: Maintenance
Department: K-131 electrical shop
Location:

Date: 2-9-61
Checked by: B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
floor area	66	1250	100	0.6	—	—				
Vibrators	6	6500	Visible	5	—	—				
Work Tables	40	1400	150							
Entire Area							M-118	10:58	195	0.02

Action Taken: Decontamination procedure followed by recheck.
2 Checked & Pal radiation found on hands, shoes, clothes
2 Total Personnel Checked

(over)

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WCX-2191 (11-53) K-25RC Safety & Health Physics Section

Approved: E. E. Spealan
Operating Supervisor

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RADIATION MONITORIN .ND CONTROL REPORT

Division Maintenance Date 2-9-61 JW
Department
Location K-131 pipe fabrication shop, lunchroom & office Checked by B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft²	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft³)	Alpha Counts/min/ft³
office										
flow area		200	<100	<PAL						
equipment		200	<100							
lunch area										
flow area		150	<100	<PAL						
equipment		100	<100							
at Jam Welding table							M-116	1:16	150	0.06
shop area										
Collins	3	1100	150	<PAL						
West Weld table	3	1400	150							
West table drawer	12	2000	250							
flow area	10	1000	<100							
pipe housing	22	>12,500	550							
Rubber trough top	✓	3500	<100							
at Chain hoist							M-115	1:00	180	

Action Taken: Decontamination followed by recheck.
* 15/16 Chief <PAL radiation on hands, shoes, clothes
Total Personnel Checked (over)
* 1 pr. of Contaminated gloves were exchanged for clean ones.

Approved W. H. Luckett
Operating Supervisor

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WCX-2191 (11-53) K-25RC Safety & Health Physics Section

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RADIATION MONITORIN ND CONTROL REPORT

Division Maintenance
Department
Location K-131 electrical

Date 1-25-61 JW

Checked by BC Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
floor area		400	<100							
equipment		350	<100	PAL						
				L						

Action Taken: None Necessary. 3 Checked - PAL radiation on shoes, clothes, hands
3 Total Personnel Checked

(over)

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WCX-2191 (11-53) K-25RC Safety & Health Physics Section

Approved E. E. Spralen
Operating Supervisor

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

JW

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-131	Electrical Shop	01	11	01	17	14	7-14-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITIO
Auton. Sprinkler System			Fire Extinguishers	1	1(1-13)
Emergency Exits			~~Protective~~ Equip. Supply	15	2(11-13)
Emergency Station			P. A. System		
Evacuation Alarm			Safety Showers		
Eye Baths			Standpipes		
Fire Alarm Boxes	1		Other (Note in Remarks)		
Fire Doors					

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Poste
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
				02	21	19	7-14-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	6	1(6-8)	Radiating Surfaces		
Illumination	2		Traffic Control		
Material Containment	11	1(6-8)	Ventilation	2	
Radiation			Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Are
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

113-101-10-10

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SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING (IBM 1-5)	LOCATION (6-45)	DIVISION CODE (46-49)	LOCATION CODE (50-51)	CLASS CODE (52-53)	NO. INSPECTED (54-57)	NO. SATISFACTORY (58-61)	DATE (62-67)
K-131	Electrical Shop	01	11	03	10	10	7-14-6

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Catwalks			Ladder (stationery)		
Exit	2		Platforms		
Floors	3		Scaffolds		
Furniture	5		Stairs		
Ladder (portable)			Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING (IBM 1-5)	LOCATION (6-45)	DIVISION CODE (46-49)	LOCATION CODE (50-51)	CLASS CODE (52-53)	NO. INSPECTED (54-57)	NO. SATISFACTORY (58-61)	DATE (62-67)
K-131	Electrical Shop	01	11	04	12	11	7-14-6

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine			Steam (Bldg Ht - Below 15 psig)		
Hydrofluoric Acid			Steam (Low Pressure - 15 - 250 psig)	1	
Natural Gas			Steam (High Pressure - above 250 psig)		
Pyrofax	2		Safety cans not only in Other (Note in Remarks)	9	1 (10-12)

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums can	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

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SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-131	Electrical Shop	01	11	05	20	14	7-14-(
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Corded Equipment	12	2 (8-6)
Utilization Equipment	6	4 (11-5) (11-10)
High Voltage Equipment (Above 480 Volts)		
Disconnects	2	
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes	9. Insulation
2. Conduit	10. Plugs
3. Connectors	11. Receptacles
4. Breaker	12. Safety Switch
5. Grounds	13. Switch
6. Ground Mats	14. Warning Signs
7. Identification	15. Other (Note in Remarks)
8. Inspection Date and Tag	

UNSATISFACTORY CONDITION

1. Broken	6. Does Not Meet Plant Specifications
2. Cracked	7. Not Provided
3. Damaged	8. Ungrounded
4. Deteriorated	9. Unguarded
5. Identification	10 Open

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-131	Electrical Shop	01	11	06	10	10	7-14-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling			Use of Safe Attire	4	
Use of Tools	2		Use of Personnel Protective Devices	4	
Use and Maintenance of Machines & Equipment			Work Habits		
Use of Ionizing Radiation Sources					

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees	11. Machine Left Running Unattended	21. Work Permit Issued to Allow Entrance to Vessel Enclosure, when Unsafe Because of Temperatu Gases or Electric Hazards
2. Failed to Use Crane Hand Signals	12. Operating With Safety Device Removed	22. Entrance Made (Under Unsafe Act No. 21)
3. Failed to Use Warning Device	13. Incorrect Safety Device Used	23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
4. Regularly Used Limit Switch to Stop Motion	14. Operating With Safety Device Improperly Adjusted	24. Film Badge Not Worn
5. Materials Stored, Mixed, or Combined to Create a Hazard	15. Respiratory Protection Not Worn	25. Eye Protection Not Worn
6. Flammables Handled in Unapproved Safety Can	16. Improper Respiratory Protection Worn	26. Improper Eye Protection
7. Incorrect Tool Used	17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling	27. Hard Hats Not Worn
8. Unsafe Tool Used	18. Working on Equipment Not Secured Against Unexpected Operation	28. Gloves Not Worn
9. Tool Used Improperly	19. Passenger Permitted to Ride in Unsafe Manner	29. Smoking in Posted Areas
10. Machine Operated at Unsafe Speed	20. Operable Radiation Survey Meter Not at Job Site	30. Eating in Posted Areas

REMARKS:

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SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-131	Electrical Shop	01	11	07	23	23	7-14-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE OF TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered	2	
Hand	21	
Hydraulic		
Pneumatic Powered		
Powder Actuated		

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other *(Note in Remc*
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other *(Note in Remarks)*
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-131	Electrical Shop-	01	11	08	1	1	7-14-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIO
Conveyor			Power Truck		
Chain Hoist			Tractor		
Electric Hoist			Plant Railway		
Winch or Tugger			Skid		
Sling			Pallet		
Lifting Fixture			Bicycle		
Dolley			Bus		
Handtruck			Passenger Car		
Wheelbarrow			Motor Truck	1	
Fork Truck			Other *(Note in Remarks)*		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Crossing Signals	25. Hitches	39. Other *(Note in Remarks)*
12. C[illegible] Signs	26. Hooks	
13. D[illegible]n Control	27. Horn	
14. Deck	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other *(Note in Remarks)*
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) - 80 -

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-131	Electrical Shop	01	11	09	2	2	7-14-[illegible]
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITIC
Acet. ank			Freon Tank		
Air Receivers			HF Tank		
Boilers			UF_6 Containers		
Compressed Gas Cylinders	2		Water Storage Heaters		
Fluorine Tank			Other *(Note in Remarks)*		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other *(Note in Remarks)*
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other *(Note in Remarks)*	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

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09 - Pressure Vessels &

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-131	Electrical Shop	01	11	10	7	7	7-14-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MA[illegible]E INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIO
Auto[illegible]c Arc Cutting Unit			Oxygen-Arc Cutting Unit		
Automatic Arc Welding Unit			Paper Cutter		
Bench or Pedestal Grinder	2		Planer (metal)		
Blower			Planer (wood)		
Boring Mill			Power Press		
Centrifuge			Press Brake		
Compressor			Pulverizer		
Crusher			Pump		
Diesels (stationary)			Saw (band - metal)	1	
Drill Press	1		Saw (band - wood)		
Fans	3		Saw (circular - metal)		
Forming Rolls			Saw (circular - wood)		
Gear Cutter			Saw (jig)		
Grinding Machine			Saw (power - rip)		
Hobber			Saw (radial)		
Jointer			Saw (swing)		
Lathe (engine)			Screw Machine		
Lat[illegible]ret)			Shaper (metal)		
Lathe (woodworking)			Shaper (wood)		
Manual Arc Cutting Unit			Shears		
Manual Arc Welding Unit			Slicer		
Mixer			Other (Note in Remarks)		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) A. L. Dawson

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

Files JW.

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-131	Maintenance Shop	01	51	01	31	31	7-13-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto. Sprinkler System			Fire Extinguishers	9	
Emergency Exits			Protective Equip. Supply	20	
Emergency Station			P. A. System	1	
Evacuation Alarm			Safety Showers		
Eye Baths			Standpipes		
Fire Alarm Boxes	1		Other (Note in Remarks)		
Fire Doors					

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-131	Maintenance Shop	01	51	02	35	33	7-13-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	6	2(6-8)	Radiating Surfaces		
Illumination	6		Traffic Control	2	
Material Containment	11		Ventilation	6	
Radiation	3		Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Area
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS: 1. Indor [illegible]

459-418 — 40-38

-83- Frank Marlin

AUDITED BY (SIGNATURE) [illegible] D. Sm[illegible]

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-131	Maintenance Shop	01	51	03	33	31	7-13-(
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART-REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART-REASON)
Catwalk			Ladder (stationery)		
Exit	5		Platforms	2	
Floors	6		Scaffolds		
Furniture	8	2(22-4)	Stairs	4	
Ladder (portable)	8		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges	22 Chairs	11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-131	Maintenance Shops	01	51	04	7	3	
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART-CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Fluorine			~~Steam~~ Solder Gun (Bldg Ht - Below 15 psig)	3	3(10-12)
Hydrofluoric Acid			Steam (Low Pressure - 15-250 psig)		
Natural Gas			Steam (High Pressure - above 250 psig)		
Pyrofax			Other (Note in Remarks) air hose	4	1(4-13)

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

-84 Frank Marlin

AUDITED BY (SIGNATURE) L. D. SAN

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-131	Maintenance Shop	01	51	05	125	103	7-13-(
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEMS INSPECTED	NO.	NO. UNSATISFACTORY (ITEM - CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Corded Equipment	57	14 (11-5) (11-10) OK
Utilization Equipment	21	1 (11-5) (7-5) Partly
High Voltage Equipment (Above 480 Volts)		
Disconnects	47	3 (7-7) 2 (12-11) 1 (12-7) Partly built
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY	
1. Boxes	9. Insulation
2. Conduit	10. Plugs
3. Connectors	11. Receptacles
4. Breaker	12. Safety Switch
5. Grounds	13. Switch
6. Ground Mats	14. Warning Signs
7. Identification	15. Other (Note in Remarks)
8. Inspection Date and Tag	

UNSATISFACTORY CONDITION	
1. Broken	5. Does Not Meet Plant Specifications
2. Cracked	7. Not Provided
3. Damaged	8. Ungrounded
4. Deteriorated	9. Unguarded
5. Identification	10 Poor
	11 Blocked

REMARKS:

78
47
125

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-131	Maintenance Shop-	01	51	06	40	38	7-13-(
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	3		Use of Safe Attire	7	
Use of Tools	6		Use of Personnel Protective Devices	10	2 (25)
Use and Maintenance of Machines & Equipment	6		Work Habits	6	
Use of Ionizing Radiation Sources	2				1

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees	11. Machine Left Running Unattended	21. Work Permit Issued to Allow Entrance to Vessel c Enclosure, when Unsafe Because of Temperatu Gases or Electric Hazards
2. Failed to Use Crane Hand Signals	12. Operating With Safety Device Removed	22. Entrance Made (Under Unsafe Act No. 21)
3. Failed to Use Warning Device	13. Incorrect Safety Device Used	23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
4. Regularly Used Limit Switch to Stop Motion	14. Operating With Safety Device Improperly Adjusted	24. Film Badge Not Worn
5. Materials Stored, Mixed, or Combined to Create a Hazard	15. Respiratory Protection Not Worn	25. Eye Protection Not Worn
6. Flammables Handled in Unapproved Safety Can	16. Improper Respiratory Protection Worn	26. Improper Eye Protection
7. Incorrect Tool Used	17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling	27. Hard Hats Not Worn
8. Unsafe Tool Used	18. Working on Equipment Not Secured Against Unexpected Operation	28. Gloves Not Worn
9. Tool Used Improperly	19. Passenger Permitted to Ride in Unsafe Manner	29. Smoking in Posted Areas
10. Machine Operated at Unsafe Speed	20. Operable Radiation Survey Meter Not at Job Site	30. Eating in Posted Areas

REMARKS:

-85- Frank Marlin

AUDITED BY (SIGNATURE) L. D. Sle

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-131	Maintenance Shop	01	51	07	58	55	7-13-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE OF TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered	5	
Hand	48	2(7-9) 1(25-1)
Hydraulic	5	
Pneumatic Powered		
Powder Actuated		

UNSATISFACTORY TOOL		
1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION			
1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-131	Maintenance Shop	01	51	08	82	82	7-13-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor			Power Truck	1	
Chain Hoist	16		Tractor		
Electric Hoist	8		Plant Railway		
Winch or Tugger			Skid		
Sling	18		Pallet		
Lifting Fixture	4		Bicycle	2	
Dolley	17		Bus		
Handtruck	16		Passenger Car		
Wheelbarrow			Motor Truck		
Fork Truck			Other (Note in Remarks)		

UNSATISFACTORY PART		
1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Crossing Signals	25. Hitches	39. Other (Note in Remarks)
12. C[illegible] Signs	26. Hooks	
13. D[illegible]n Control	27. Horn	
14. Deck	28. Interlocks	

UNSATISFACTORY CONDITION	
1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) Frank Marlin

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-131	Maintenance Shop	01	51	09	32	31	2-13-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITIC
Acetc. ank			Freon Tank		
Air Receivers			HF Tank		
Boilers			UF_6 Containers		
Compressed Gas Cylinders	32	1 (11-18)	Water Storage Heaters		
Fluorine Tank			Other (Note in Remarks)		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other (Note in Remarks)
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other (Note in Remarks)	7. Incorrect	14. Not Shielded	

REMARKS:

-87- Frank Marlin

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-131	Maintenance Shop	01	51	10	56	49	7-13-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto. Arc Cutting Unit			Oxygen-Arc Cutting Unit	12	1 OK 2(9-2)
Automatic Arc Welding Unit			Paper Cutter		
Bench or Pedestal Grinder	12		Planer (metal)		
Blower			Planer (wood)		
Boring Mill			Power Press		
Centrifuge			Sander ~~Press Brake~~	2	new Band
Compressor			Tumbler ~~Pulverizer~~	1	1(13-10) OK
Crusher			Pump		
Diesels (stationary)			Saw (band - metal)	3	
Drill Press	3		Saw (band - wood)		
Fans	6	3(18-7)	Saw (circular - metal)		
Forming Rolls			Saw (circular - wood)		
Gear Cutter			Saw (jig)		
Grinding Machine			Saw (power - rip)		
Hobber			Saw (radial)		
Jointer			Saw (swing)		
Lathe (engine)			Screw Machine		
Lathe (turret)			Shaper (metal)		
Lathe (woodworking)			Shaper (wood)		
Manual Arc Cutting Unit			Shears		
Manual Arc Welding Unit	15	1(14-10) 1(3-3) OK 2(20-1)	Slicer		
Mixer			Theater Other (Note in Remarks)	2	

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt) Sprocket	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

-88- Frank Marlin

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

JW

FIXED PROTECTION
(Personnel - Fire)

Page 1 of ____

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-131	Operations Chemical Maintenance Storage	01	51	01	4	4	6-30-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto. Sprinkler System			Fire Extinguishers	1	
Emergency Exits			Protective Equip. Supply	2	
Emergency Station			P. A. System		
Evacuation Alarm			Safety Showers		
Eye Baths			Standpipes		
Fire Alarm Boxes	1		Other *(Note in Remarks)*		
Fire Doors					

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other *(Note in Remarks)*
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-131	Operations Paint Storage	01	51	02	8	7	6-30-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	4	1 (6-8)	Radiating Surfaces		
Illumination	2		Traffic Control		
Material Containment	1		Ventilation	1	
Radiation			Other *(Note in Remarks)*		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Area
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other *(Note in Remarks)*
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

-89- 3732—0-0

AUDITED BY (SIGNATURE) JOI P. Ellis

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-131	Operations Maint Storage	01	51	03	4	4	6-30-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Catw.			Ladder (stationery)		
Exit	1		Platforms		
Floors	2		Scaffolds		
Furniture			Stairs		
Ladder (portable)	1		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-131	Operations Maint Storage	01	51	04	2	2	6-30-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine			Steam (Bldg Ht - Below 15 psig)	1	
Hydrofluoric Acid			Steam (Low Pressure - 15 - 250 psig)		
Natural Gas			Steam (High Pressure - above 250 psig)		
Pyrofax			Other (Note in Remarks)	1	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE) [illegible] P. [illegible]

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-131	Operations Maint Storage	01	51	05	6	4	6-30-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Corded Equipment	2	2(8-6)
Utilization Equipment	2	
High Voltage Equipment (Above 480 Volts)		
Disconnects	2	
Rotating Equipment		
Other (Note In Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
6. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
				06			
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling			Use of Safe Attire		
Use of Tools		None	Use of Personnel Protective Devices		
Use and Maintenance of Machines & Equipment			Work Habits		
Use of Ionizing Radiation Sources					

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

AUDITED BY (SIGNATURE) M. R. Foo.

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-131	Operations Maint Storage	01	51	07			
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE OF TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Elec. Powered		
Hand		
Hydraulic		
Pneumatic Powered		
Powder Actuated		

None

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Rema.
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-131	Operations Maint. Storage	01	51	08	11	10	6-30-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor			Power Truck		
Chain Hoist			Tractor		
Electric Hoist			Plant Railway		
Winch or Tugger			Skid		
Sling	2	1 (5-5)	Pallet	5	
Lifting Fixture	4		Bicycle		
Dolley			Bus		
Handtruck			Passenger Car		
Wheelbarrow			Motor Truck		
Fork Truck			Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Crossing Signals	25. Hitches	39. Other (Note in Remarks)
12. C[illegible] Signs	26. Hooks	
13. D[illegible]n Control	27. Horn	
14. Dec[illegible]	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-131	Operations - Maintenance Storage	01	51	10	2	1	6-30
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIC
Auto. .c Arc Cutting Unit			Oxygen-Arc Cutting Unit		
Automatic Arc Welding Unit			Paper Cutter		
Bench or Pedestal Grinder			Planer (metal)		
Blower			Planer (wood)		
Boring Mill			Power Press		
Centrifuge			Press Brake		
Compressor			Pulverizer		
Crusher			Pump		
Diesels (stationary)			Saw (band - metal)		
Drill Press			Saw (band - wood)		
Fans			Saw (circular - metal)		
Forming Rolls			Saw (circular - wood)		
Gear Cutter			Saw (jig)		
Grinding Machine			Saw (power - rip)		
Hobber			Saw (radial)		
Jointer			Saw (swing)		
Lathe (engine)			Screw Machine		
La .ret)			Shaper (metal)		
Lathe (woodworking)			Shaper (wood)		
Manual Arc Cutting Unit			Shears		
Manual Arc Welding Unit	1	1 (20-7)	Slicer		
Mixer			Pipe threader Other (Note in Remarks)	1	

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) Clyde Terry

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

JW

Page 1 of ____

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-131	Maintenance Shop	01	51	01	19	17	4-12-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIO
Auto Sprinkler System			Fire Extinguishers	7	
Emergency Exits			Protective Equip. Supply	10	2 (1-5)
Emergency Station			P. A. System	1	
Evacuation Alarm			Safety Showers		
Eye Baths			Standpipes		
Fire Alarm Boxes	1		Other (Note in Remarks)		
Fire Doors					

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Lobelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Poste
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILD	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-131	Maintenance Shop	01	51	02	26	24	4-12-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	6	1 (6-17)	Radiating Surfaces		
Illumination	6		Traffic Control	2	
Material Containment	6	1 (6-8) [illegible]	Ventilation	6	
Radiation			Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Are
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

(332-291) (58-53)

AUDITED BY (SIGNATURE) [illegible]

REVIEWED WITH (SIGNATURE) Frank Martin

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-131	Maintenance Shop	01	51	03	21	21	4-12-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED		NO. UNSATISFACTORY (PART - REASON
Cat			Ladder (stationery)		
Exit			Platforms	1	
Floors	6		Scaffolds		2
Furniture	6		Stairs	3	
Ladder (portable)	5		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILD	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-131	Maintenance Shop	01	51	04	4	4	4-12-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION
Fluorine			Steam (Bldg Ht - Below 15 psig)	2	
Hydrofluoric Acid			Steam (Low Pressure - 15-250 psig)		
Natural Gas			Steam (High Pressure - above 250 psig)		
Pyrofax			air / Other (Note in Remarks)	2	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

2 Solvent Tanks

AUDITED BY (SIGNATURE) U. P. Fodi

REVIEWED WITH (SIGNATURE) [illegible]

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
R-131	Maintenance Shop	01	51	05	93	67	4-12-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low [illegible] e Equipment (Below [illegible] Volts)		
Corded Equipment	41	3(8-6)
Utilization Equipment	14	8(7-6)
High Voltage Equipment (Above 480 Volts)		
Disconnects	38	15(7-6)
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
6. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDI.	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
R-131	Maintenance Shop	01	51	06	56	53	4-12-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	4		Use of Safe Attire	12	
Use of Tools	4		Use of Personnel Protective Devices	20	2(25)
Use and Maintenance of Machines & Equipment			Work Habits	12	1 (31)
Use of Ionizing Radiation Sources	2				

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel Enclosure, when Unsafe Because of Temperatu Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn (31) [illegible]
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS: 12/12 Eye Protect

8/8 [illegible]

AUDITED BY (SIGNATURE) [illegible] D San.

REVIEWED WITH (SIGNATURE) [illegible]

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-131	maintenance Shop -	01	51	07	53	47	4-12-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered	5	
Hand	44	4(7-9) 1(5-15) 1(9-10)
Hydraulic	4	
Pneumatic Powered		
Powder Actuated		

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILD	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-131	maintenance Shop	01	51	08	45	42	4-12-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor			Power Truck	2	1 (27-11)
Chain Hoist	11		Tractor		
Electric Hoist	5		Plant Railway		
Winch or Tugger	5		Skid		
Sling	2		Pallet	2	
Lifting Fixture			Bicycle		
Dolley	10		Bus		
Handtruck	5		Passenger Car		
Wheelbarrow			Motor Truck		
Fork Truck	3		Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Crossing Signals	25. Hitches	39. Other (Note in Remarks)
12. Cr[illegible]g Signs	26. Hooks	
13. D[illegible]n Control	27. Horn	
14. D[illegible]	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) Frank Martin

07 - Power Tools

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-131	Maintenance Shop	01	51	09	18	18	K-12-(
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITI(
Ace ank			Freon Tank		
Air Receivers			HF Tank		
Boilers			UF_6 Containers		
Compressed Gas Cylinders	18		Water Storage Heaters		
Fluorine Tank			Other *(Note in Remarks)*		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other *(Note in Remarks)*
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other *(Note in Remarks)*	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) Frank Martin

09 - Pressure Vessels &

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-131	Maintenance Shop -			10	53	49	4-12-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIC
Aut' Arc Cutting Unit			Oxygen-Arc Cutting Unit	5	
Automatic Arc Welding Unit			Paper Cutter		
Bench or Pedestal Grinder	16		Planer (metal)		
Blower			Planer (wood)		
Boring Mill			Power Press		
Centrifuge			Press Brake		
Compressor			Pulverizer		
Crusher			Pump		
Diesels (stationary)			Saw (band - metal)	3	
Drill Press	5		Saw (band - wood)		
Fans	8	3 (18-7)	Saw (circular - metal)		
Forming Rolls			Saw (circular - wood)		
Gear Cutter			Saw (jig)		
Grinding Machine			Saw (power - rip)		
Hobber			Saw (radial)		
Jointer			Saw (swing)		
Lathe (engine)			Screw Machine		
La' ret)			Shaper (metal)		
Lathe (woodworking)			Shaper (wood)		
Manual Arc Cutting Unit			Shears		
Manual Arc Welding Unit	13	1 (14-10)	Slicer		
Mixer			Other (Note in Remarks)	3	

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) Frank Martin

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

JW

Page 1 of ____

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-131	K. Maintenance Shops	01	51	01	20	17	3-28-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto Sprinkler System			Fire Extinguishers	7	7(3-13)(3-6)
Emergency Exits			Protective Equip. Supply	10	
Emergency Station			P. A. System	1	
Evacuation Alarm			Safety Showers		
Eye Baths			Standpipes		
Fire Alarm Boxes	2		Other (Note in Remarks)		
Fire Doors					

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILD	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-131	Maintenance Shops	01	51	02	27	26	3-28-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	6	1(6-8)	Radiating Surfaces		
Illumination	6		Traffic Control	3	
Material Containment	6		Ventilation	6	
Radiation	2		Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Area
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) Frank B. Marlin

01 - Fixed Protection

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1-131	Maintenance Shop	01	51	03	30	29	3-28
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Cat			Ladder (stationery)		
Exit	6		Platforms	1	
Floors	6		Scaffolds		
Furniture	3		Stairs	6	
Ladder (portable)	8	1 (13-1)	Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
0. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
1. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILD	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1-131	Maintenance Shop	01	51	04	7	5	3-28
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine			Steam (Bldg Ht - Below 15 psig)	3	
Hydrofluoric Acid			Steam (Low Pressure - 15-250 psig)		
Natural Gas			Steam (High Pressure - above 250 psig)		
Pyrofax			Air Other (Note in Remarks)	4	2 (4-13) (3-12)

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls - valve gauge	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) Frank Marlin

03 - Work Surfaces

SAFETY AUDIT REPORT

JCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-31	Maintenance Shop	01	51	05	74	46	3-28-
BM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low [illegible] e Equipment Below [illegible] Volts)		
Cord[illegible]ed Equipment	20	1 (8-5) (1-5)
Utilization Equipment	18	13 (11-5)
High Voltage Equipment Above 480 Volts)		
Disconnects	36	14 (13-5)
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY	
1. Boxes	9. Insulation
2. Conduit	10. Plugs
3. Connectors ✓	11. Receptacles
4. Breaker	12. Safety Switch
5. Grounds	13. Switch
6. Ground Mats	14. Warning Signs
7. Identification	15. Other (Note in Remarks)
8. Inspection Date and Tag	

UNSATISFACTORY CONDITION	
1. Broken	6. Does Not Meet Plant Specifications
2. Cracked	7. Not Provided
3. Damaged	8. Ungrounded
4. Deteriorated	9. Unguarded
5. Identification	

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-31	Maintenance Shop	01	51	06	44	40	[illegible]
BM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	3	
Use of Tools	6	
Use and Maintenance of Machines & Equipment		
Use of Ionizing Radiation Sources	3	

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Use of Safe Attire	16	
Use of Personnel Protective Devices	16	3 (25) 1 (-[illegible])
Work Habits		

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel Enclosure, when Unsafe Because of Temperatu Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) Frank Martin

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-131	Maintenance Shop	01	51	07	49	45	3-28-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered	4	
Hand	40	1(7-?) 1(19-1)
Hydraulic	3	
Pneumatic Powered		
Powder Actuated		

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-131	Maintenance Shop	01	51	08	55	55	3-25-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor			Power Truck	1	
Chain Hoist	1½		Tractor		
Electric Hoist	6		Plant Railway		
Winch or Tugger			Skid		
Sling	10		Pallet		
Lifting Fixture			Bicycle		
Dolley	15		Bus		
Handtruck	5		Passenger Car		
Wheelbarrow			Motor Truck		
Fork Truck	1		Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Crossing Signals	25. Hitches	39. Other (Note in Remarks)
12. C[illegible]g Signs	26. Hooks	
13. D[illegible]n Control	27. Horn	
14. De[illegible]	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE) W. P. [illegible]

REVIEWED WITH (SIGNATURE) Frank Marlin

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-131	Maintenance Shop	01	51	09	30	30	3-27
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIC
Ace. ank			Freon Tank		
Air Receivers			HF Tank		
Boilers			UF_6 Containers		
Compressed Gas Cylinders	30		Water Storage Heaters		
Fluorine Tank			Other *(Note in Remarks)*		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other *(Note in Remarks)*
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other *(Note in Remarks)*	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE) W. P. [illegible]

REVIEWED WITH (SIGNATURE) Frank Marlin

09 - Pressure Vessels 8

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
131	Maintenance Shop	01	51	10	47	42	3-28-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Aut[illegible] Arc Cutting Unit	1		Oxygen-~~Arc~~ Cutting Unit	10	2(19-2
Automatic Arc Welding Unit	1		Paper Cutter		
Bench or Pedestal Grinder	10		Planer (metal)		
Blower			Planer (wood)		
Boring Mill			Power Press		
Centrifuge			Press Brake		
Compressor			Pulverizer		
Crusher			Pump		
Diesels (stationary)			Saw (band - metal)	2	
Drill Press	5		Saw (band - wood)		
Fans	6	3(18-7)	Saw (circular - metal)		
Forming Rolls			Saw (circular - wood)		
Gear Cutter			Saw (jig)		
Grinding Machine			Saw (power - rip)		
Hobber			Saw (radial)		
Jointer			Saw (swing)		
Lathe (engine)			Screw Machine		
La[illegible]ret)			Shaper (metal)		
Lathe (woodworking)			Shaper (wood)		
Manual Arc Cutting Unit			Shears		
Manual Arc Welding Unit	12		Slicer		
Mixer			Other (Note in Remarks)	1	

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
0. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ecc[illegible]

REVIEWED WITH (SIGNATURE) Frank Marlin

SAFETY AUDIT REPORT 2 hrs

UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

JW

Page 1 of ____

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
0131	Electrical Maint. Shop	01	11	01	1	0	3-7-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIO
Auto. Sprinkler System	—		Fire Extinguishers	1	1 (3-6)
Emergency Exits	—		Protective Equip. Supply	—	
Emergency Station	—		P. A. System	—	
Evacuation Alarm	—		Safety Showers	—	
Eye Baths	—		Standpipes	—	
Fire Alarm Boxes	—		Other (Note in Remarks)		
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Poste
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
0131	Electrical Maint. Shop	01	11	02	5	4	3-7-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	11	1 (6-8)*	Radiating Surfaces	—	
Illumination	1		Traffic Control	—	
Material Containment	1		Ventilation	1	
Radiation	—		Other (Note in Remarks)	—	

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Are
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:
* Materials and scrap piled on top of storage cabinets

AUDITED BY (SIGNATURE) H E Marshall

REVIEWED WITH (SIGNATURE) A L D [illegible]

01 - Fixed Protection

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
00131	Electrical Maint Shop	01	11	03	5	4	3-7-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Catwalks	—		Ladder (stationery)	—	
Exit	1		Platforms	—	
Floors	11	1 (16)*	Scaffolds	—	
Furniture	11		Stairs	—	
Ladder (portable)	—		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
0. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
1. Hinges		11. Not Well Illuminated	

REMARKS:
Floor at west door uneven and creates a tripping hazard.

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
00131	Electrical Maint Shop	01	11	04	1	1	3-7-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine	—		Steam (Bldg Ht - Below 15 psig)	1	
Hydrofluoric Acid	—		Steam (Low Pressure - 15-250 psig)	—	
Natural Gas	—		Steam (High Pressure - above 250 psig)	—	
Pyrofax	—		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

AFETY AUDIT REPORT

CN-2021 (1 9-60)

ELECTRICAL

JILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
20131	Electrical Maint Shop	01	11	05	9	8	3-7-
M 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

IT' 'NSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
ow . ge Equipment Below 480 Volts)	—	
orded Equipment	~~IIII~~	
tilization Equipment	III	1 (7-7)
igh Voltage Equipment Above 480 Volts)	—	
isconnects	—	
otating Equipment	—	
ther (Note in Remarks)	—	

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
6. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

EMARKS:

WORK PRACTICES

JILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
				06			
M 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

'RACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
aterials Handling			Use of Safe Attire		
se of Tools			Use of Personnel Protective Devices		
se and Maintenance of achines & Equipment			Work Habits		
se of Ionizing adiation Sources					

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel Enclosure, when Unsafe Because of Temperatu Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

EMARKS:

DITED BY (SIGNATURE)	REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
90131	Electrical Maint Shop	01	11	07	13	11	3-7-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE OF TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered	IIII	1 (6-14)
Hand	IXIIIII	1 (19-3)
Hydraulic	—	
Pneumatic Powered	1	
Powder Actuated	—	

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remc
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag -	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
				08			
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIO
Conveyor			Power Truck		
Chain Hoist			Tractor		
Electric Hoist			Plant Railway		
Winch or Tugger			Skid		
Sling			Pallet		
Lifting Fixture			Bicycle		
Dolley			Bus		
Handtruck			Passenger Car		
Wheelbarrow			Motor Truck		
Fork Truck			Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Cr[illegible]ng Signals	25. Hitches	39. Other (Note in Remarks)
12. C[illegible] Signs	26. Hooks	
13. D[illegible]n Control	27. Horn	
14. Deck	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE) | REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
70131	Electrical Maint Shop	01	11	09	3	3	3-7-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIC
Acet[illegible] Tank	—		Freon Tank	—	
Air Receivers	—		HF Tank	—	
Boilers	—		UF_6 Containers	—	
Compressed Gas Cylinders	11		Water Storage Heaters	1	
Fluorine Tank	—		Other *(Note in Remarks)*	—	

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other *(Note in Remarks)*
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other *(Note in Remarks)*	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
0131	Electrical Maint Shop	01	11	10	5	4	3-7-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Arc Cutting Unit	—		Oxygen-Arc Cutting Unit	—	
Automatic Arc Welding Unit	—		Paper Cutter	—	
Bench or Pedestal Grinder	1	1 (26-5) (16-1)*	Planer (metal)	—	
Blower	—		Planer (wood)	—	
Boring Mill	—		Power Press	—	
Centrifuge	—		Press Brake	—	
Compressor	—		Pulverizer	—	
Crusher	—		Pump	—	
Diesels (stationary)	—		Saw (band - metal)	—	
Drill Press	1		Saw (band - wood)	—	
Fans	2		Saw (circular - metal)	—	
Forming Rolls	—		Saw (circular - wood)	—	
Gear Cutter	—		Saw (jig)	—	
Grinding Machine	—		Saw (power - rip)	—	
Hobber	—		Saw (radial)	—	
Jointer	—		Saw (swing)	—	
Lathe (engine)	—		Screw Machine	—	
Lathe (turret)	—		Shaper (metal)	—	
Lathe (woodworking)	—		Shaper (wood)	—	
Manual Arc Cutting Unit	—		Shears	—	
Manual Arc Welding Unit	—		Slicer	—	
Mixer	—		Other (Note in Remarks)	1	** 1 (20-7)

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
0. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

* Glass guard.
* Portable Grinder

AUDITED BY (SIGNATURE) D E Marshall

REVIEWED WITH (SIGNATURE) [illegible]

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

Page 1 of 8w

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-131	Maintenance Shop	01	51	01	15	7	2-27-[illegible]
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto. Sprinkler System			~~IIIII~~ OK Fire Extinguishers	8	8(3-13)
Emergency Exits IIII	4		Protective Equip. Supply		
Emergency Station			P. A. System	2	
Evacuation Alarm			Safety Showers		
Eye Baths			Standpipes		
Fire Alarm Boxes	1		Other (Note in Remarks)		
Fire Doors					

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K131	Maintenance Shop	01	51	02	20	17	2-27-[illegible]
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	6	2 (6-8)	Radiating Surfaces		
Illumination	6		Traffic Control	2	
Material Containment			Ventilation	3	
Radiation	3	1 (6-1)	Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Area
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades - Screens	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS: 1. materials on floor & on top of cabinet - NE corner
2. material storage areas - arrangement

AUDITED BY (SIGNATURE) W P Ellis

REVIEWED WITH (SIGNATURE) [illegible]

01 - Fixed Protection

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-131	Maintenance Shop	01	51	03	16	15	2-27-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Catwalks			Ladder (stationery)		
Exit	4		Platforms	1	
Floors			Scaffolds		
Furniture	2		Stairs	2	
Ladder (portable)	7	1(13-3)	Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-131	Maintenance Shop	01	51	04	16	13	2-27-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine			Steam (Bldg Ht - Below 15 psig)	2	
Hydrofluoric Acid			Steam (Low Pressure - 15-250 psig)		
Natural Gas			Steam (High Pressure - above 250 psig)		
Pyrofax acetylene	12	2(7-3)	Air Other (Note in Remarks)	2	1(4-13)

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) [illegible]

03 - Work Surfaces
04 - Piping & Containers

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-131	Maintenance Shop -	01	51	05	81	52	2-27-.
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low ge Equipment (Below 480 Volts)		
Corded Equipment	22	1(8-1)
Utilization Equipment	19	13(11-5)(1-5)
High Voltage Equipment (Above 480 Volts)		
Disconnects	40	15(13-5)
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
5. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-131	Maintenance Shop	01	51	06	27	21	3-27-.
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	3		Use of Safe Attire		
Use of Tools	3		Use of Personnel Protective Devices	18	4(26)(25) 2(28)
Use and Maintenance of Machines & Equipment	3		Work Habits		
Use of Ionizing Radiation Sources					

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel Enclosure, when Unsafe Because of Temperatu Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

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SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-131	Maintenance Shop	01	51	07	11	9	2-27-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE OF TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered 1111	4	
Hand Filing 1111	6	2(7-9)
Hydraulic 1	1	
Pneumatic Powered		
Powder Actuated		

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-131	Maintenance Shop	01	51	08	43	41	2-27-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor			Power Truck	2	
Chain Hoist 1111	10		Tractor		
Electric Hoist 1111	4		Plant Railway		
Winch or Tugger			Skid		
Sling 11	2		Pallet		
Lifting Fixture			Bicycle		
Dolley 20	20	1(25-5) 1(18-6)	Bus		
Handtruck 252	4		Passenger Car		
Wheelbarrow			Motor Truck		
Fork Truck 1	1		Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Crossing Signals	25. Hitches	39. Other (Note in Remarks)
12. Crossing Signs	26. Hooks	
13. Direction Control	27. Horn	
14. Deck	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

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07 - Power Tools

09 - Materials Handling

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-131	Maintenance Shop	01	51	09	28	26	2-27-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIO
Acet. Tank			Freon Tank		
Air Receivers			HF Tank		
Boilers			UF_6 Containers		
Compressed Gas Cylinders	28	2(11-18)	Water Storage Heaters		
Fluorine Tank			Other *(Note in Remarks)*		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other *(Note in Remarks)*
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other *(Note in Remarks)*	7. Incorrect	14. Not Shielded	

REMARKS:

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09 - Pressure Vessels &

SAFETY-AUDIT REPORT
UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-31	Maintenance Shops	01	51	10	45	38	2-27-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIO
Automatic Arc Cutting Unit	0		Oxygen-Arc Cutting Unit	10	2 (19-2) 1 (7-14)
Automatic Arc Welding Unit	1		Paper Cutter		
Bench or Pedestal Grinder			Planer (metal)		
Blower			Planer (wood)		
Boring Mill			Power Press		
Centrifuge			Press Brake		
Compressor			Pulverizer		
Crusher			Pump		
Diesels (stationary)			Saw (band - metal) 1	1	
Drill Press IIII	5		Saw (band - wood)		
Fans Guard IIII	5	3 (18-7) Fine mesh wire	Saw (circular - metal)		
Forming Rolls			Saw (circular - wood)		
Gear Cutter			Saw (jig)		
Grinding Machine 1 OK IIII	12	1 (18-10)	Saw (power - rip)		
Hobber			Saw (radial)		
Jointer			Saw (swing)		
Lathe (engine)			Screw Machine		
Lathe (turret)			Shaper (metal)		
Lathe (woodworking)			Shaper (wood)		
Manual Arc Cutting Unit			Shears		
Manual Arc Welding Unit	12		Slicer		
Mixer			Pipe Threader III Other (Note in Remarks)	3	

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	not valved when not in use
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:
1. Fine mesh wire on fans
2. Valve of oxyacetylene when not in use ... OK IIII
3. Grinder

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SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-131	Maintenance Shop	01	51	09	20	14	1-25-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIO
Acetylene Tank			Freon Tank		
Air Receivers			HF Tank		
Boilers			UF_6 Containers		
Compressed Gas Cylinders	20	4(11-18) 2(11-15)	Water Storage Heaters		
Fluorine Tank			Other (Note in Remarks)		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other (Note in Remarks)
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other (Note in Remarks)	7. Incorrect	14. Not Shielded	

REMARKS:

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09 - Press. or Vess. Inc.

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-131	Maintenance Shop	01	51	10	43	28	
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Arc Cutting Unit	12		Oxygen-Arc Cutting Unit	12	
Automatic Arc Welding Unit			Paper Cutter		
Bench or Pedestal Grinder	6	1(26-5)	Planer (metal)		
Blower			Planer (wood)		
Boring Mill			Power Press		
Centrifuge			Press Brake		
Compressor			Pulverizer		
Crusher			Pump		
Diesels (stationary)			Saw (band - metal)	3	
Drill Press	4		Saw (band - wood)		
Fans	3	2(18-7)	Saw (circular - metal)		
Forming Rolls			Saw (circular - wood)		
Gear Cutter			Saw (jig)		
Grinding Machine Sander	2		Saw (power - rip)		
Hobber			Saw (radial)		
Jointer			Saw (swing)		
Lathe (engine)			Screw Machine		
Lathe (turret)			Shaper (metal)		
Lathe (woodworking)			Shaper (wood)		
Manual Arc Cutting Unit			Shears		
Manual Arc Welding Unit	12	12(20-7)	Slicer		
Mixer			Other (Note in Remarks) Pipe Threader	1	

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

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SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

Records File FIXED PROTECTION (Personnel - Fire)

Page 1 of ____

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-131	Maintenance Shops	01	51	01	11	4	1-25-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Au Sprinkler System			Fire Extinguishers ~~NH~~	5	5 (3-10) 1 (3-6) 1 (1)
Emergency Exits	5		Protective Equip. Supply		
Emergency Station			P. A. System		
Evacuation Alarm			Safety Showers		
Eye Baths			Standpipes		
Fire Alarm Boxes	1		Other (Note in Remarks)		
Fire Doors					

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO SATISFACTORY	DATE
K-131	Maintenance Shops	01	51	02	23	18	1-25-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	6	1 (6-8) 1 (6-1)	Radiating Surfaces		
Illumination	6		Traffic Control	2	
Material Containment	6	2 (6-21)	Ventilation III	3	1 (6-20)
Radiation			Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Area
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks) Covers
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

-120

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01 - Fixed Protection
02 - Environmental Control

230-155 15-36

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-131	Maintenance Shop	01	51	03	20	20	
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Co[illegible]s			Ladder (stationery)		
Exit	5		Platforms		
Floors	5		Scaffolds		
Furniture	2		Stairs	3	
Ladder (portable)	3		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-131	Maintenance Shop	01	51	04	5	5	
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine			Steam (Bldg Ht - Below 15 psig)	3	
Hydrofluoric Acid			Steam (Low Pressure - 15 - 250 psig)		
Natural Gas			Steam (High Pressure - above 250 psig)		
Pyrofax			Other (Note in Remarks) air	2	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

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03 - Work Surfaces

04 - Piping & Containers

SAFETY-AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-131	Maintenance Shop	01	51	05	83	45	1-25-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)	14	2(2-5)
Corded Equipment	12	12(8-5)
Utilization Equipment	21	9(11-5) 2(1-9)
High Voltage Equipment (Above 480 Volts)		
Disconnects	36	12(13-5) 2(13-10)
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
5. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded
10. Blocked - Inaccessible

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
		01	51	06	42	34	
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	4	
Use of Tools	4	
Use and Maintenance of Machines & Equipment	16	2(5-electrodes) 2(guards not replaced off)
Use of Ionizing Radiation Sources		

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Use of Safe Attire		
Use of Personnel Protective Devices Eye Prot.	18	1(28) 3(25)
Work Habits		

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel Enclosure, when Unsafe Because of Temperatu Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) Frank Marlin

05 - Electrical
06 - Work Practices

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-131	Maintenance Shop	01	51	07	15	11	1-25-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE OF TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered	1	1 (11-14)
Hand	14	1(5-15) 1(9-10) 1(7-9)
Hydraulic		
Pneumatic Powered		
Powder Actuated		

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Rema
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-131	Maintenance Shop	01	51	08	10	10	
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor			Power Truck	1	
Chain Hoist	3		Tractor		
Electric Hoist	1		Plant Railway		
Winch or Tugger			Skid		
Sling	3		Pallet		
Lifting Fixture			Bicycle		
Dolley			Bus		
Handtruck			Passenger Car		
Wheelbarrow			Motor Truck	1	
Fork Truck	1		Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Cr[illegible]ng Signals	25. Hitches	39. Other (Note in Remarks)
12. C[illegible] Signs	26. Hooks	
13. [illegible]n Control	27. Horn	
14. Deck	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) Frank Martin

07 - Power Tools

RADIATION MONITORIN ND CONTROL REPORT

Division Maintenance
Department 3006
Location 301-2 Change House

Date 3-7-61 JW
Checked by BC Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft²	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft³)	Alpha Counts/min/ft³
Floor area		250	<100							
Equipment		100	<100							

Action Taken: None Necessary. 2 Checked & Radiation on hands, shoes & clothes 2 Total Per. Checked

(over)

DISTRIBUTION: 1st Copy - Radiation Hazards and Safety Department K-25RC
2nd Copy - Divisional Files

WCX-2191 (11-53) K-25RC Safety & Health Physics Section

Approved [signature]
Operating Supervisor

-124-

RADIATION MONITORIN ND CONTROL REPORT

Division Main Tenance
Department 7002
Location K-301-2 Cell 7 and 8

Date 3-1-61 JW
Checked by B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
Cell inclosure readings (floor)	10	200	500	Pal						
Withdrawal alley floor area		350	<100	Pal						
IN withdrawal alley adjacent to cell Drying Cotting away							M-125	9:07	570	3.74

Action Taken: The above readings indicate very little spread of contaminates.

(over)

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2nd Copy - Divisional Files

WCX-2191 (11-53) K-25RC Safety & Health Physics Section

Approved W. H. Luckett
Operating Supervisor

-125-

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

3/m

FIXED PROTECTION
(Personnel - Fire)

JW

Page 1 of ____

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
301-3	SEAL SHOP	01	46	01	7	4	3/29/
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto. Sprinkler System	1		Fire Extinguishers	IIII	II (3-10)
Emergency Exits	1	1 (7-8)	Protective Equip. Supply		
Emergency Station			P. A. System		
Evacuation Alarm			Safety Showers		
Eye Baths			Standpipes		
Fire Alarm Boxes	1		Other (Note in Remarks)		
Fire Doors					

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
301-3	SEAL SHOP	01	46	02	10	8	3/29/
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	IIII	II (*	Radiating Surfaces		
Illumination	II		Traffic Control	/	
Material Containment	/		Ventilation	/	
Radiation			Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Area
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS: * TOP OF BIN STORAGE & SEVERAL ITEMS ON FLOOR AROUND BRANCHALD BEING REPAIRED.

AUDITED BY (SIGNATURE) [signature]

REVIEWED WITH (SIGNATURE) P. Oglesby

01 - Fixed Protection
- Environmental Control

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
301-3	SEAL SHOP	01	46	03	7	2	3/29/1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED		NO. UNSATISFACTORY (PART - REASON)
Catwalks			Ladder (stationery)		
Exit	/		Platforms		
Floors	///	1 (16-14) 1 (21	Scaffolds		
Furniture	//	1 *	Stairs		
Ladder (portable)	/	1 (15-1)	Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS: CONSIDER NON-SLIP PAINT FOR AREA NEAR SHOWER STALLS.
*BROKEN CHAIR, ALTHOUGH OUT OF SERVICE PROBABLY SHOULD BE REPAIRED OR DISPOSED OF.

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
301-3	SEAL SHOP	01	46	04	5	3	3/29/1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine			Steam (Bldg Ht - Below 15 psig)		
Hydrofluoric Acid			Steam (Low Pressure - 15-250 psig)		
Natural Gas			Steam (High Pressure - above 250 psig)		
Pyrofax			Other (~~Note in Remarks~~)	////	1 (5-17*) 1 (4-13)

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS: * GROUND WIRE NOT USED & VERY MINOR LEAK AT VALVE OF ALCOHOL DRUM.

AUDITED BY (SIGNATURE) [signature]

REVIEWED WITH (SIGNATURE) [signature]

03 - Work Surfaces
04 - Piping & Containers

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
301-3	SEAL SHOP	01	46	05	18	13	3/29/1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEMS INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)	14	1 (7-6)
Corded Equipment	14	14 (7-6)
Utilization Equipment	11	
High Voltage Equipment (Above 480 Volts)		
Disconnects		
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
6. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
301-3	SEAL SHOP	01	46	06	10	8	3/29/
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	1		Use of Safe Attire	111	
Use of Tools	1		Use of Personnel Protective Devices	1111	11 (25)
Use and Maintenance of Machines & Equipment	1		Work Habits		
Use of Ionizing Radiation Sources					

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel Enclosure, when Unsafe Because of Temperatu Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

AUDITED BY (SIGNATURE) B F Shum

REVIEWED WITH (SIGNATURE) R. Ogleby

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

Page 4 of _____

BUILDING (IBM 1-5)	LOCATION (6-45)	DIVISION CODE (46-49)	LOCATION CODE (50-51)	CLASS CODE (52-53)	NO. INSPECTED (54-57)	NO. SATISFACTORY (58-61)	DATE (62-67)
301-3	SEAL SHOP	01	46	07	16	6	3/24/6

TYPE OF TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered	~~HH~~ 1	~~HH~~ 1 (14) 1(8-14)
Hand	~~HH~~ ~~HH~~	III (7-9)
Hydraulic	—	
Pneumatic Powered	—	
Powder Actuated	—	

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING (IBM 1-5)	LOCATION (6-45)	DIVISION CODE (46-49)	LOCATION CODE (50-51)	CLASS CODE (52-53)	NO. INSPECTED (54-57)	NO. SATISFACTORY (58-61)	DATE (62-67)
301-3	SEAL SHOP	01	46	08	9	8	3/24/6

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor			Power Truck	1	
Chain Hoist	11		Tractor		
Electric Hoist			Plant Railway		
Winch or Tugger			Skid		
Sling	111	1 *	Pallet	11	
Lifting Fixture			Bicycle		
Dolley	1		Bus		
Handtruck			Passenger Car		
Wheelbarrow			Motor Truck		
Fork Truck			Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Crossing Signals	25. Hitches	39. Other (Note in Remarks)
12. Crossing Signs	26. Hooks	
13. Lubrication Control	27. Horn	
14. Deck	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS: * PROBABLY OK BUT COVER OF GREEN TAPE MAKES IT IMPOSIBLE TO NOTE DEFECTS,

AUDITED BY (SIGNATURE) [signature]

REVIEWED WITH (SIGNATURE) [signature]

07 - Power Tools
08 - Materials Handling

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
301-3	SEAL SHOP	01	46	09	2	2	3/29/
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIC
Acetylene Tank			Freon Tank		
Air Receivers			HF Tank		
Boilers			UF_6 Containers		
Compressed Gas Cylinders	11		Water Storage Heaters		
Fluorine Tank			Other (Note in Remarks)		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other (Note in Remarks)
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other (Note in Remarks)	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE) [signature]

REVIEWED WITH (SIGNATURE) [signature]

09 - Pressure Vessels &

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
301-3	SEAL SHOP	01	46	10	9	7	3/30/
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIO
Au. .tic Arc Cutting Unit			Oxygen-Arc Cutting Unit		
Automatic Arc Welding Unit			Paper Cutter		
Bench or Pedestal Grinder	//	* // (26-5)	Planer (metal)		
Blower			Planer (wood)		
Boring Mill			Power Press		
Centrifuge			Press Brake		
Compressor	/		Pulverizer		
Crusher			Pump	/	
Diesels (stationary)			Saw (band - metal)		
Drill Press	/		Saw (band - wood)		
Fans			Saw (circular - metal)		
Forming Rolls			Saw (circular - wood)		
Gear Cutter			Saw (jig)		
Grinding Machine	///		Saw (power - rip)		
Hobber			Saw (radial)		
Jointer			Saw (swing)		
Lathe (engine)	/		Screw Machine		
Lc rret)			Shaper (metal)		
Lathe (woodworking)			Shaper (wood)		
Manual Arc Cutting Unit			Shears		
Manual Arc Welding Unit			Slicer		
Mixer			Other (Note in Remarks)		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS: * GLASS IN SHIELD CRACKED

AUDITED BY (SIGNATURE) [signature]

REVIEWED WITH (SIGNATURE) [signature]

10 - Machinery and

JW

ALPHA CONTAMINATION AUDIT REPORT

(3022)

cation K-301-4 Inst. Office & Lunch Room. Date 12-12-61

Supervisor in Charge R. Plinger Total Work Area 790 ft²

Operations in Progress

Protective Measures in Force

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	0	0
	Area Factor (Total)	0	0
	Area Factor (Wipe)	0	0

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Floor Area					300	
Tables & Benches					<100	

	Range Surface	Range (c/m) Wipe	Weighting Factor				
Class 0	*	–	0	Total ft²			B+7 <P.A.L.
Class I	500-2000	100-500	1				
Class II	2000-10,000	500-2000	5				
ass III	>10,000	>2000	20				
			Grand Total (ft²)				

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

Semi-annual

JW

ALPHA CONTAMINATION AUDIT REPORT

:ation K-301-4 Instrument office + Lunch Room (3022) Date 4/17/61

Supervisor in Charge D. Rieflingrff Total Work Area 790 ft²

Operations in Progress None

Protective Measures in Force

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	0.0	0.0
	Area Factor (Total)	0.0	0.0
	Area Factor (Wipe)	0.0	0.0

SPECIFIC LOCATION	Area (ft²) and Class of Contamination		Maximum Reading (c/m)	
	Surface	Wipe	Surface	Wipe
office floors + equipment	—	—	<100	<100
lunch room floors + equipment	—	—	<100	<100

	Range Surface	(c/m) Wipe	Weighting Factor	
Class 0	*	–	0	Total ft²
Class I	500-2000	100-500	1	
Class II	2000-10,000	500-2000	5	
ss III	>10,000	>2000	20	
			Grand Total (ft²)	0 0

BJV

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

RADIATION MONITORING AND CONTROL REPORT

Division: Maintenance
Department: 1002
Location: K-301-4 Change House

Date: 5-22-61 JW
Checked by: B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft²	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft³)	Alpha Counts/min/ft³
floor area		250	<100							
equipment		200	<100	Bal						

Received Health Physics
JUN 12 PM 3:25

Action Taken: None Necessary

(over)

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Approved: L. E. Rogers
Operating Supervisor

WCX-2191 (11-53) K-25RC Safety & Health Physics Section

RADIATION MONITORIN .ND CONTROL REPORT

Division: Maintenance
Department: 1002
Location: K-301-4 Change House

Date: 4-13-61 JW
Checked by: B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
Floor area		200	<100							
Equipment		150	<100	Pal						
				<						

Action Taken: None Necessary

(over)

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WCX-2191 (11-53) K-25RC Safety & Health Physics Section

Approved: L. E. Ryan
Operating Supervisor

Safety and Health Physics
1961 APR 12 PM 4:03

-135-

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

1:00

FIXED PROTECTION
(Personnel - Fire)

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
301-4	K-301-4 Instrument Main. Shop	01	01	01	2	2	4/17/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Autor Sprinkler System	—		Fire Extinguishers	1	
Emergency Exits	1		Protective Equip. Supply	—	
Emergency Station	—		P. A. System	—	
Evacuation Alarm	—		Safety Showers	—	
Eye Baths	—		Standpipes	—	
Fire Alarm Boxes	—		Other *(Note in Remarks)*	—	
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other *(Note in Remarks)*
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
301-4	K-301-4 Instrument Main. Shop	01	01	02	5	5	4/17/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	1		Radiating Surfaces	—	
Illumination	1		Traffic Control	1	
Material Containment	1		Ventilation	1	
Radiation	—		Other *(Note in Remarks)*	—	

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Area
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other *(Note in Remarks)*
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

40-35 0-0

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
301-4	K-301-4 Instrument Main. Shop	01	01	03	3	3	4/17/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED		NO. UNSATISFACTORY (PART - REASON)
Catw	—		Ladder (stationery)	—	
Exit	1		Platforms	—	
Floors	1		Scaffolds	—	
Furniture	1		Stairs	—	
Ladder (portable)	—		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
301-4	K-301-4 Instrument Main. Shop	01	01	04	2	2	4/17/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION
Fluorine	—		Steam (Bldg Ht - Below 15 psig)	1	
Hydrofluoric Acid	—		Steam (Low Pressure - 15 - 250 psig)	—	
Natural Gas	—		Steam (High Pressure - above 250 psig)	—	
Pyrofax	—		Other (Note in Remarks)	1	Air

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
301-4	K-301-4 Instrument Main. Shop	01	01	05	10	9	4/17/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)	/	
Corded Equipment	7	1(8-7)
Utilization Equipment	3	
High Voltage Equipment (Above 480 Volts)	/	
Disconnects	—	
Rotating Equipment	—	
Other (Note in Remarks)	—	

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
5. Does Not Meet Plant Specification
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
301-4	K-301-4 Instrument Main. Shop	01	01	06	0	0	4/17/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	—		Use of Safe Attire	—	
Use of Tools	—		Use of Personnel Protective Devices	—	
Use and Maintenance of Machines & Equipment	—		Work Habits	—	
Use of Ionizing Radiation Sources	—			—	

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel Enclosure, when Unsafe Because of Temperatu Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
301-4	K-301-4 Instrument Main. Shop	01	01	07	4	4	4/17/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE OF TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Elec. Powered	1	
Hand III	3	
Hydraulic	—	
Pneumatic Powered	—	
Powder Actuated	—	

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Rema.
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
301-4	K-301-4 Instrument Main. Shop	01	01	08	5	5	4/17/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor	—		Power Truck	—	
Chain Hoist	—		Tractor	—	
Electric Hoist	—		Plant Railway	—	
Winch or Tugger	—		Skid	—	
Sling	—		Pallet	—	
Lifting Fixture	—		Bicycle	5	
Dolley	—		Bus	—	
Handtruck	—		Passenger Car	—	
Wheelbarrow	—		Motor Truck	—	
Fork Truck	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Crossing Signals	25. Hitches	39. Other (Note in Remarks)
12. C[illegible] Signs	26. Hooks	
13. D[illegible]n Control	27. Horn	
14. Dec[illegible]	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
301-4	K-301-4 Instrument Main. Shop	01	01	09	6	6	4/17/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIO
Acet. ank	—		Freon Tank	—	
Air Receivers	—		HF Tank	—	
Boilers	—		UF_6 Containers	—	
Compressed Gas Cylinders	6		Water Storage Heaters	—	
Fluorine Tank	—		Other *(Note in Remarks)*	—	

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other *(Note in Remarks)*
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other *(Note in Remarks)*	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

09 - Pressure Vessels & Gas Cylinders

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
301-4	K-301-4 Instrument Main. Shop	01	01	10	3	3	4/17/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto[illegible]ic Arc Cutting Unit	—		Oxygen-Arc Cutting Unit	—	
Automatic Arc Welding Unit	—		Paper Cutter	—	
Bench or Pedestal Grinder	1		Planer (metal)	—	
Blower	—		Planer (wood)	—	
Boring Mill	—		Power Press	—	
Centrifuge	—		Press Brake	—	
Compressor	—		Pulverizer	—	
Crusher	—		Pump	—	
Diesels (stationary)	—		Saw (band - metal)	—	
Drill Press	1		Saw (band - wood)	—	
Fans	—		Saw (circular - metal)	—	
Forming Rolls	—		Saw (circular - wood)	—	
Gear Cutter	—		Saw (jig)	—	
Grinding Machine	—		Saw (power - rip)	—	
Hobber	—		Saw (radial)	—	
Jointer	—		Saw (swing)	—	
Lathe (engine)	—		Screw Machine	—	
Lat[illegible]ret)	—		Shaper (metal)	—	
Lathe (woodworking)	—		Shaper (wood)	—	
Manual Arc Cutting Unit	—		Shears	—	
[illegible] Welding Unit	1		Slicer	—	
Mixer	—		Other *(Note in Remarks)*	—	

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other *(Note in Remarks)*
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other *(Note in Remarks)*	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

AUDITED BY (SIGNATURE) W. B. Schuch

REVIEWED WITH (SIGNATURE) D. Bipplinger

RADIATION MONITORIN ND CONTROL REPORT

Division: Main tenance
Department: 100
Location: K-301.5 shop

Date: 5-19.61 JW

Checked by: BC Bunch

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
		Surface	Wipe	Surface	1 ft	Distance (ft)				
floor area		200	<100							
equipment		150	<100							
				Ok						

Safety and Health Physics
1961 JUN 12 PM 3:25

Action Taken: None Necessary

(over)

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2nd Copy - Divisional Files

WCX-2191 (11-53) K-25RC Safety & Health Physics Section

Approved: F. E. Ryan
Operating Supervisor

RADIATION MONITORIN ND CONTROL REPORT

Division: Maintenance
Department: 1002
Location: K-301-5 shop

Date: 4-13-61 DW
Checked by: BC Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
floor area		200	<100							
equipment		250	<100							

Action Taken: None Necessary

(over)

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2nd Copy - Divisional Files

WCX-2191 (11-53) K-25RC Safety & Health Physics Section

Approved: L. E. Ryan
Operating Supervisor

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RADIATION MONITORIN AND CONTROL REPORT

Division Maintenance
Department 1002
Location K-301-5 shop

Date 2-7-61 JW
Checked by B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
floor area		300	<100							
equipment		300	<100	P.A.L.						

Action Taken: None Necessary

(over)

Approved H. E. Bryan
Operating Supervisor

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2nd Copy - Divisional Files

WCX-2191 (11-53) K-25RC Safety & Health Physics Section

-14-

Jw

ALPHA CONTAMINATION AUDIT REPORT

:ation K-302-1 Lunch Room (3023) Date 3-6-61

.pervisor in Charge W. H Tuckett Total Work Area 500 ft^2

Operations in Progress None

Protective Measures in Force

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	0	0
	Area Factor (Total)	0	0
	Area Factor (Wipe)	0	0

SPECIFIC LOCATION	Area (ft^2) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Floors, Tables, Chairs, desk <100						

	Range Surface	(c/m) Wipe	Weighting Factor			
Class 0	*	–	0	Total ft^2		
Class I	500-2000	100-500	1		0	
Class II	2000-10,000	500-2000	5		0	
ss III	> 10,000	> 2000	20		0	
			Grand Total (ft^2)		0	

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

RADIATION MONITORIN ND CONTROL REPORT

Division Maintenance
Department 100L
Location K-302-1 lunch room

Date 5-19-61 JW

Checked by BC Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
floor area		200	<100							
equipment		NO	<100							

Safety and Health Physics
1961 Jun 12 PM 3:25

Action Taken: None Necessary.

(over)

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WCX-2191 (11-53) K-25RC Safety & Health Physics Section

Approved F. E. Ryan
Operating Supervisor

RADIATION MONITORIN(.ND CONTROL REPORT

Division Maintenance
Department 1002
Location K-302-1 Weld Shop

Date 5-19-61 JW
Checked by BC Burell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft²	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft³)	Alpha Counts/min/ft³
Man Table	18	1200	100							
Welding Machine	3	900	100							
equipment top	4	1200	150	0						
Wooden top Cabinet	4	700	<100	L						

Safety and Health Physics
1961 JUN 12 PM 3:25

Action Taken: None Necessary

(over)

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WCX-2191 (11-53) K-25RC Safety & Health Physics Section

Approved F. E. Rogers
Operating Supervisor

-147-

RADIATION MONITORIN .ND CONTROL REPORT

Division maintenance
Department 1082
Location K-302-1 lunch room

Date 3-27-61 JW
Checked by B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
floor area		<100	<100							
equipment		<100	<100							
at lunch table							M-133	1:15	150	0.03

Action Taken: None Necessary

(over)

Approved W. H. Lockett
Operating Supervisor

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WCX-2191 (11-53) K-25RC Safety & Health Physics Section

1401

RADIATION MONITORIN. .ND CONTROL REPORT

Division Maintenance
Department K-1002
Location K-302-1 Weld Shop

Date 3-27-61 JW
Checked by B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
		Surface	Wipe	Surface	1 ft	Distance (ft)				
Flow area,		250	<100							
Equipment	6	2000	200	Pal						
				<						
Center of area							M-132	12:46	180	0.03

Action Taken: None Necessary. 2 Checked & Pal radiation on hands, shoes, Clothes
2 Told Personnel Checked

(over)

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WCX-2191 (11-53) K-25RC Safety & Health Physics Section

Approved W. H. Luckett
Operating Supervisor

Safety and Health Physics
1961 MAY 12 PM 4:03

-146-

RADIATION MONITORIN ND CONTROL REPORT

Division: Maintenance
Department: 102
Location: K-302-1 Weld Shop

Date: 3-17-61 JW

Checked by: B E Burnette

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
floor area	40	1600	200							
Main table	16	2000	200	PAL						
Grinder top table	3	700	100	L						

Action Taken: Decontamination followed by recheck
2 Checked < PAL for pitin on hands, shoes, clothes
2 Total Personnel Checked

(over)

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Operating Supervisor

WCX-2191 (11-53) K-25RC Safety & Health Physics Section

-150-

RADIATION MONITORIN ND CONTROL REPORT

Division Maintenance
Department 1002
Location K-302-1 Weld Shop

Date 3-3-61 JW

Checked by B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft²	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft³)	Alpha Counts/min/ft³
floor area	5	600	<100							
table	4	1000	<100							

Action Taken: Non-Necessary

(over)

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Approved [signature]
Operating Supervisor

-151-

RADIATION MONITORING AND CONTROL REPORT

Division: Maintenance
Department: 100 2
Location: K-302-1 Weld Shop

Date: 2-21-61
Checked by: B C Burnell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft²	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft³)	Alpha Counts/min/ft³
Welding table	10	1400	150							
floor area	2	500	<100	L Pal						
Center of area							S-124	2:30	150	0.006

Action Taken: None Necessary

(over)

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(11-53) K-25RC Safety & Health Physics Section

Approved: [signature]
Operating Supervisor

-152-

RADIATION MONITORIN ND CONTROL REPORT

Division Maintenance
Department 900
Location K-302-1 AC Pump Storage

Date 2-17-61 JW

Checked by B C Burnell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
floor area		450	<100	<PAL						

Action Taken None Necessary.

(over)

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WCX-2191 (11-53) K-25RC Safety & Health Physics Section

Approved H. E. Ryan
Operating Supervisor

-153-

RADIATION MONITORING AND CONTROL REPORT

Division: Maintenance
Department: 1002
Location: K-302-1 Weld Shop

Date: 2-13-61
Checked by: B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
Floor area		300	<100							
Equipment		400	<100							

Action Taken: None Necessary
Checked <0.5 mr/hr radiation on hands, shoes, clothes
Toilet Pur. Checked

(over)

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WCX-2191 (11-53) K-25RC Safety & Health Physics Section

Approved: [illegible]
Operating Supervisor

-154-

RADIATION MONITORING AND CONTROL REPORT

Division: Maintenance
Department: 1002
Location: K-302-1 Weld Shop

Date: 1-18-61

Checked by: B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft²	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft³)	Alpha Counts/min/ft³
Maint table	4	950	<100							
Floor area		450	<100							

Action Taken: None Necessary. 2 Checked & Pal radiation on shoes, clothes, hands
2 Total Per. Checked

(over)

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WCX-2191 (11-53) K-25RC Safety & Health Physics Section

Approved: T. E. Ryan
Operating Supervisor

-155-

SAFETY AUDIT REPORT
N-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

JW

Page 1 of ____

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
R-302-1	Shift Maintenance Shop	01	31	01	51	48	7-25-(
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIO
Auto Sprinkler System	1		Fire Extinguishers	7	1(1-4) 1(1-13)
Emergency Exits			Protective Equip. Supply	39	2(11-5)(11-14)
Emergency Station			P. A. System	1	
Evacuation Alarm	1		Safety Showers		
Eye Baths			Standpipes		
Fire Alarm Boxes	2		Other (Note in Remarks)		
Fire Doors					

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Poste
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILD.	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
R-302-1	Shift Maintenance Shop	01	31	02	23	21	7-25-(
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	6	1(6-8)	Radiating Surfaces		
Illumination	4		Traffic Control	3	
Material Containment	6	1(6-8)	Ventilation	4	
Radiation			Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Are
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

284-254-8-8

AUDITED BY (SIGNATURE) T. P. Sodo... -156-

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-302-1	Shift Maintenance Shop	01	31	03	25	25	7-25-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART-REASON)	SURFACES CHECKED		NO. UNSATISFACTORY (PART-REASON)
Cat			Ladder (stationery)		
Exit	5		Platforms		
Floors	4		Scaffolds		
Furniture	15		Stairs		
Ladder (portable)	1		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-302-1	Shift Maintenance Shop	01	31	04	1	1	7-25-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART-CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Fluorine			Steam (Bldg Ht - Below 15 psig)	1	
Hydrofluoric Acid			Steam (Low Pressure - 15-250 psig)		
Natural Gas			Steam (High Pressure - above 250 psig)		
Pyrofax			Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE) (o) (P) 500-157-

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-302-1	Shift Maintenance Shop	01	31	05	53	28	7-25-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEMS INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Corded Equipment	43	23 (8-6) OK
Utilization Equipment	7	1 (7-7)
High Voltage Equipment (Above 480 Volts)		
Disconnects	3	1 (7-7)
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
6. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-302-1	Shift Maintenance Shop	01	31	06	8	8	7-25-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	2		Use of Safe Attire	2	
Use of Tools			Use of Personnel Protective Devices	2	
Use and Maintenance of Machines & Equipment	2		Work Habits		
Use of Ionizing Radiation Sources					

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

AUDITED BY (SIGNATURE) [illegible] 5A0-22-158

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SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-302-1	Shift Maintenance Shop	01	31	07	13	13	7-25-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE OF TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered	8	
Hand	5	1 (7-9)
Hydraulic		
Pneumatic Powered		
Powder Actuated		

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-302-1	Shift Maintenance Shop	01	31	08	80	80	7-25-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor			Power Truck	2	
Chain Hoist			Tractor		
Electric Hoist			Plant Railway		
Winch or Tugger			Skid		
Sling	4		Pallet		
Lifting Fixture	2		Bicycle		
Dolley	62		Bus		
Handtruck	9		Passenger Car		
Wheelbarrow			Motor Truck		
Fork Truck	1		Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Crossing Signals	25. Hitches	39. Other (Note in Remarks)
12. Cr[illegible] Signs	26. Hooks	
13. D[illegible] Control	27. Horn	
14. De[illegible]	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-302-1	Shift Maintenance Shop	01	31	09	25	25	7-25-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITI
Acet ank			Freon Tank		
Air Receivers			HF Tank		
Boilers			UF_6 Containers		
Compressed Gas Cylinders	25	? Valve off	Water Storage Heaters		
Fluorine Tank			Other (*Note in Remarks*)		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Post Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other (*Note in Remarks*)
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other (*Note in Remarks*)	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

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09 - Pressure Vessels & Gas Cylinders

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-302-1	Shift Maintenance Shop	01	31	10	13	13	7-25-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITIO
Auto. Arc Cutting Unit			Oxygen-Arc Cutting Unit	5	1 (19-3)
Automatic Arc Welding Unit			Paper Cutter		
Bench or Pedestal Grinder	4		Planer (metal)		
Blower			Planer (wood)		
Boring Mill			Power Press		
Centrifuge			Press Brake		
Compressor			Pulverizer		
Crusher			Pump		
Diesels (stationary)			Saw (band - metal)		
Drill Press	1		Saw (band - wood)		
Fans	2		Saw (circular - metal)		
Forming Rolls			Saw (circular - wood)		
Gear Cutter			Saw (jig)		
Grinding Machine			Saw (power - rip)		
Hobber			Saw (radial)		
Jointer			Saw (swing)		
Lathe (engine)			Screw Machine		
Lathe (turret)			Shaper (metal)		
Lathe (woodworking)			Shaper (wood)		
Manual Arc Cutting Unit			Shears		
Manual Arc Welding Unit	1		Slicer		
Mixer			Other (Note in Remarks)		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) L. E. Bryan

10 - Machinery and

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

JW

FIXED PROTECTION
(Personnel - Fire)

Page 1 of _____

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-302-1	~~Old Welding Shop~~ Shift Maintenance Shop	01	31	01	42	36	6-30-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto Sprinkler System			Fire Extinguishers	6	1 (1-6)(1-10)
Emergency Exits			Protective Equip. Supply	35	5 (11-15)(11-13)
Emergency Station			P. A. System		
Evacuation Alarm			Safety Showers		
Eye Baths			Standpipes		
Fire Alarm Boxes	1		Other (Note in Remarks)		
Fire Doors					

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Postec
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks) Storage
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILD	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO SATISFACTORY	DATE
K-302-1	Shift Maint Shop	01	31	02	20	17	6-30-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	6	1 (6-8)	Radiating Surfaces		
Illumination	2		Traffic Control	2	
Material Containment	8	2 (6-21)	Ventilation	2	
Radiation			Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Arec
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks) Boxes
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

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SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-302	Shift Maint Shop	01	31	03	7	7	6-30-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED		NO. UNSATISFACTORY (PART - REASON)
Cat			Ladder (stationery)		
Exit	2		Platforms		
Floors	2		Scaffolds		
Furniture	3		Stairs		
Ladder (portable)			Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
				04			
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine			Steam (Bldg Ht - Below 15 psig)		
Hydrofluoric Acid			Steam (Low Pressure - 15-250 psig)		
Natural Gas		NS	Steam (High Pressure - above 250 psig)		
Pyrofax			Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

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SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-302-1	Shift Maint Shop	01	31	05	39	22	6-30-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Corded Equipment	27	1(3-1) 12(8-6)
Utilization Equipment	9	3(11-5)
High Voltage Equipment (Above 480 Volts)		
Disconnects	3	1(7-6)
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
6. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-302-1	Shift Maint Shop	01	31	06			
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling			Use of Safe Attire		
Use of Tools			Use of Personnel Protective Devices		
Use and Maintenance of Machines & Equipment			Work Habits		
Use of Ionizing Radiation Sources					

No Report

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

AUDITED BY (SIGNATURE) W. P. Eddins

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SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-3021	Shift maintenance Shop	01	31	07	18	16	6-30-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered	7	
Hand "	11	2(7-9)
Hydraulic		
Pneumatic Powered		
Powder Actuated		

UNSATISFACTORY TOOL		
1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Rema
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-3021	Shift maintenance Shop	01	31	08	22	22	6-30-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor			Power Truck /	2	
Chain Hoist			Tractor		
Electric Hoist			Plant Railway		
Winch or Tugger			Skid		
Sling	2		Pallet		
Lifting Fixture	1		Bicycle /	1	
Dolley	6		Bus		
Handtruck	10		Passenger Car		
Wheelbarrow			Motor Truck		
Fork Truck			Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Crossing Signals	25. Hitches	39. Other (Note in Remarks)
12. C g Signs	26. Hooks	
13. D n Control	27. Horn	
14. De	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-302	Shift Maint Shop	01	31	09	28	27	6-31-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIC
Ace ank			Freon Tank		
Air Receivers			HF Tank		
Boilers			UF_6 Containers		
Compressed Gas Cylinders	28	1(11-18)	Water Storage Heaters		
Fluorine Tank			Other *(Note in Remarks)*		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other *(Note in Remarks)*
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other *(Note in Remarks)*	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-302-1	Shift Maint Shop	01	31	10	10	8	6-30-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto. .c Arc Cutting Unit			Oxygen-Arc Cutting Unit	2	2(19-2)
Automatic Arc Welding Unit			Paper Cutter		
Bench or Pedestal Grinder	4		Planer (metal)		
Blower			Planer (wood)		
Boring Mill			Power Press		
Centrifuge			Press Brake		
Compressor			Pulverizer		
Crusher			Pump		
Diesels (stationary)			Saw (band - metal)		
Drill Press	1		Saw (band - wood)		
Fans	1		Saw (circular - metal)		
Forming Rolls			Saw (circular - wood)		
Gear Cutter			Saw (jig)		
Grinding Machine			Saw (power - rip)		
Hobber			Saw (radial)		
Jointer			Saw (swing)		
Lathe (engine)			Screw Machine		
Lat. :et)			Shaper (metal)		
Lathe (woodworking)			Shaper (wood)		
Manual Arc Cutting Unit			Shears		
Manual Arc Welding Unit	2		Slicer		
Mixer			Other (Note in Remarks)		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) W. M. Ellis

JW

ALPHA CONTAMINATION AUDIT REPORT (3039)

cation K-302-2 Maint. Lunch Room Date 12-13-61

Supervisor in Charge J.E. West Fall. Total Work Area 200 ft²

Operations in Progress —

Protective Measures in Force —

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	0	0
	Area Factor (Total)	0	0
	Area Factor (Wipe)	0	0

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Floor Area					200	
Tables & Benches					<100	

	Range Surface	(c/m) Wipe	Weighting Factor					
Class 0	*	–	0	Total ft²				B+T LPAL.
Class I	500-2000	100-500	1					
Class II	2000-10,000	500-2000	5					
ass III	>10,000	>2000	20					
			Grand Total (ft²)					

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

JW

ALPHA CONTAMINATION AUDIT REPORT

ation K-302-2 Lunch Room Maint. (3039) Date 3-6-61

Supervisor in Charge L. E Ryan Total Work Area 200 ft²

Operations in Progress None

Protective Measures in Force —

SUMMARY:

ALPHA CONTAMINATION		This Survey	Last Survey
	Index	0	0
	Area Factor (Total)	0	0
	Area Factor (Wipe)	0	0

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
All floors, Tables & Surfaces <100						

	Range Surface	(c/m) Wipe	Weighting Factor			
Class 0	*	–	0	Total ft²		
Class I	500-2000	100-500	1		0	
Class II	2000-10,000	500-2000	5		0	
Class III	>10,000	>2000	20		0	
			Grand Total (ft²)		0	

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

RADIATION MONITORIN ND CONTROL REPORT

Division Maintenance
Department 1092
Location K-302-2 Change House

Date 3-17-61
Checked by B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft²	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft³)	Alpha Counts/min/ft³
floor area	80	1500	200							
equipment		200	<100	Pol						

Action Taken: Decontamination followed by recheck

(over)

Approved W M Wright
Operating Supervisor

DISTRIBUTION: 1st Copy - Radiation Hazards and Safety Department K-25RC
2nd Copy - Divisional Files

WCX-2191 (11-53) K-25RC Safety & Health Physics Section

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RADIATION MONITORIN .ND CONTROL REPORT

Division Maintenance
Department 1100
Location K-302-2 Change House

Date 2-21-61 JW
Checked by B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
Showers at										
Wash Basin	8	100	<100							
Equipment		100	<100							

Action Taken: None necessary
2 Checked for radiation on pants, hands, shoes, clothes
2 Total Personnel Checked

(over)

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WCX-2191 (11-53) K-25RC Safety & Health Physics Section

Approved L E Rogers
Operating Supervisor

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JW

ALPHA CONTAMINATION AUDIT REPORT

(3028)

Location K-302-3 Cascade Maint Lunch Room Date 12-13-61

Supervisor in Charge J.M. Ellis Total Work Area 650 ft²

Operations in Progress

Protective Measures in Force —

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	0	0
	Area Factor (Total)	0	0
	Area Factor (Wipe)	0	0

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Floor Area					<100	
Tables & Benches					<100	

	Range Surface	Range (c/m) Wipe	Weighting Factor			
Class 0	*	–	0	Total ft²		
Class I	500-2000	100-500	1			
Class II	2000-10,000	500-2000	5			
Class III	>10,000	>2000	20			
			Grand Total (ft²)			

B ≠ < P.A.L.

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

JW

ALPHA CONTAMINATION AUDIT REPORT

Location K-302-3 Lunch Room (3028) Date 3-6-61

Supervisor in Charge W. H. Lockett Total Work Area 650 ft^2

Operations in Progress None

Protective Measures in Force

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	0	0
	Area Factor (Total)	0	0
	Area Factor (Wipe)	0	0

SPECIFIC LOCATION	Area (ft^2) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Floors + Tables <100						

	Range Surface	(c/m) Wipe	Weighting Factor		
Class 0	*	–	0	Total ft^2	
Class I	500-2000	100-500	1		0
Class II	2000-10,000	500-2000	5		0
Class III	>10,000	>2000	20		0
			Grand Total (ft^2)		0

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

RADIATION MONITORIN ND CONTROL REPORT

Division Maintenance
Department ~~[illegible]~~
Location 302-3 lunchroom

Date 5-16-61 JW

Checked by BCBurrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft²	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft³)	Alpha Counts/min/ft³
Flow area		<100	<100							
Equipment		<100	<100							
				PW						
								1961 Jun 12	Fri	3:25

Safety & Health Physics

Action Taken: None Necessary

(over)

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Operating Supervisor

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RADIATION MONITORIN ND CONTROL REPORT

Division: Maintenance
Department: 100
Location: K-302-3 lunch room

Date: 4-13-61

Checked by: BC Smith

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
floor area		200	<100							
equipment		150	<100							

Action Taken: None Necessary.

(over)

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Operating Supervisor

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RADIATION MONITORIN. .ND CONTROL REPORT

Division Maintenance
Department 1002
Location 302-3 lunchroom

Date 3-17-61 JW
Checked by B.C. Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft²	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft³)	Alpha Counts/min/ft³
floor area		200	<100							
equipment		<100	<100	pal						
				<						

Action Taken: None Necessary. Checked < Pal radiation on hands, shoes, clothes
Total Personnel Checked

(over)

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RADIATION MONITORIN AND CONTROL REPORT

Division: Maintenance
Department: 100
Location: K-302-4 Change House

Date: 5-22-61
Checked by: B C Burell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft²	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft³)	Alpha Counts/min/ft³
Floor area	28	1250	100							
Equipment		300	<100	Ok						
				L						

Safety and Health Physics
1961 Jun 12 PM 3:25

Action Taken: None Necessary.

(over)

Approved: L. E. Bryan
Operating Supervisor

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-1177-

RADIATION MONITORING AND CONTROL REPORT

Division: Maintenance
Department: 1002
Location: K-302-V shop

Date: 5-19-61

Checked by: B C Burnell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
Main Table	16	900	<100							
floor area		200	<100							
				<Bkgd						

Safety and Health Physics
1961 JUN 12 PM 1:25

Action Taken: None Necessary.

(over)

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Operating Supervisor

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RADIATION MONITORIN AND CONTROL REPORT

Division Maintenance
Department 100
Location K-302-5 Shop

Date 2-24-61
Checked by B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
Floor area		<100	<100							
Equipment		<100	<100							

Action Taken: None Necessary.

(over)

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Operating Supervisor

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RADIATION MONITORIN .ND CONTROL REPORT

Division Maintenance
Department 1002
Location K-302-5 shop

Date 1-16-61
Checked by B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft²	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft³)	Alpha Counts/min/ft³
Floor area		300	<100							
Equipment		250	<100							
				<pal						

Action Taken: None Necessary.

(over)

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Approved F. E. Ryan
Operating Supervisor

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ALPHA CONTAMINATION AUDIT REPORT (3024)

Location K-303-1 Seal Shop (Office & Lunch Area) Date 12-12-61

Supervisor in Charge J.C. Murry Total Work Area 540. ft²

Operations in Progress None

Protective Measures in Force —

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	0	0
	Area Factor (Total)	0	0
	Area Factor (Wipe)	0	0

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Floor					<100	
Tables & Benches					<100	

	Range Surface	Range (c/m) Wipe	Weighting Factor	
Class 0	*	–	0	Total ft²
Class I	500-2000	100-500	1	
Class II	2000-10,000	500-2000	5	
Class III	> 10,000	> 2000	20	
			Grand Total (ft²)	

B+T < P.A.L.

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

JW

ALPHA CONTAMINATION AUDIT REPORT (3024)

:ation K-303-1 Seal Shop Office and Lunch Room Date 3-10-61

Supervisor in Charge Kennedy Total Work Area 540 ft^2

Operations in Progress

Protective Measures in Force

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	0.0	0.0
	Area Factor (Total)	0.0	0.0
	Area Factor (Wipe)	0.0	0.0

SPECIFIC LOCATION	Area (ft^2) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Floor and table Area	—	—	—	—	<100	<100

	Range Surface	(c/m) Wipe	Weighting Factor				
Class 0	*	–	0	Total ft^2	—	—	$\beta+\gamma$ < PAL
Class I	500-2000	100-500	1		—	—	
Class II	2000-10,000	500-2000	5		—	—	
ıss III	> 10,000	> 2000	20		—	—	
			Grand Total (ft^2)		—	—	

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

RADIATION MONITORIN ND CONTROL REPORT

Division: Maintenance
Department: 1002
Location: K-363-1 Storage Area

Date: 4-7-61 JW
Checked by: B C Burner

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
floor area		<100	<100	Dal						

Action Taken: This floor was painted recently

(over)

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Approved: F. E. Ryan
Operating Supervisor

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RADIATION MONITORIN ND CONTROL REPORT

Division Maintenance
Department 1002
Location K-303-1 AC Pump Storage

Date 3-27-61 JW
Checked by BC Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft²	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft³)	Alpha Counts/min/ft³
floor area	260	2000	450							

Action Taken: Decontamination followed by painting.

(over)

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Operating Supervisor

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RADIATION MONITORIN. .ND CONTROL REPORT

Division Maintenance
Department K-1002
Location K-303-1 pump area

Date 1-12-61 JW
Checked by B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
floor area	14	1000	250							
equipment		700	200							

Action Taken: None Necessary

(over)

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Approved F. E. Ryan
Operating Supervisor

-581-

JW

ALPHA CONTAMINATION AUDIT REPORT

Location K-303-2 Lunch Room Maint (3045) Date 3-6-61

Supervisor in Charge L. E. Ryan Total Work Area 225 ft²

Operations in Progress None

Protective Measures in Force

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	0	0
	Area Factor (Total)	0	0
	Area Factor (Wipe)	0	0

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
All Tables Floors & Benches <200						

	Range Surface	(c/m) Wipe	Weighting Factor			
Class 0	*	–	0	Total ft²		
Class I	500-2000	100-500	1		0	
Class II	2000-10,000	500-2000	5		0	
Class III	> 10,000	> 2000	20		0	
			Grand Total (ft²)		0	

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

RADIATION MONITORII AND CONTROL REPORT

Division Maintenance
Department 100
Location K-303-2 Tool storage

Date 5-25-61 JW
Checked by BCBurell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
Floor area	240	1650	200							
Tool box storage shelves	100	1500	150							
Tool boxes (40)	80	2600	450	Pal						

Safety and Health Physics
1961 MAY 12 PM 3:25

Action Taken: A "Request for Decontamination" was issued.

(over)

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Approved [signature]
Operating Supervisor

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RADIATION MONITORIN[illegible] .ND CONTROL REPORT

Division Maintenance
Department 1002
Location K-303-2 Tool Storage

Date 3-27-61 JW
Checked by B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
		Surface	Wipe	Surface	1 ft	Distance (ft)				
floor area	60	1400	150							
floor boxes	66	2200	200	<PAL						
storage table	60	2000	400							

Action Taken: Decontamination followed by recheck.

(over)

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Approved H. M. Wright
Operating Supervisor

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RADIATION MONITORIN ND CONTROL REPORT

Division Maintenance
Department 1002
Location K-303-2 lunch room

Date 3-27-61

Checked by BC Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
floor area		150	<100							
equipment		200	<100	Pa						
				L						

Action Taken: None Necessary.

(over)

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Approved [signature]
Operating Supervisor

-1194-

RADIATION MONITORIN. ND CONTROL REPORT

Division Maintenance
Department 1002
Location 203-2 Tool Storage

Date 1-17-61 JW

Checked by BC Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft²	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft³)	Alpha Counts/min/ft³
floor area		300	<100							
of tool boxes	10	700	<100	0.8						
				L						

Action Taken: None Necessary

(over)

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Approved R. E. Ryan
Operating Supervisor

RADIATION MONITORIN ND CONTROL REPORT

Division Maintenance
Department 308
Location 303-4 Tool Storage

Date 3-27-61 JW
Checked by B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
Floor area		200	<100							
Equipment		200	<100	Pal						

Action Taken: None Necessary.

(over)

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Approved K M Wright
Operating Supervisor

RADIATION MONITORIN .ND CONTROL REPORT

Division: Maintenance
Department: 1002
Location: K-303-5 Change House

Date: 3-6-61 JW

Checked by: B E Burnell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
floor area		300	<100							
fequip room		300	<100							

Action Taken: None Necessary. 6 Checked for radiation on hands, shoes, clothes
6 Total Pur. Checked

(over)

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Approved: [illegible]
Operating Supervisor

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RADIATION MONITORIN .ND CONTROL REPORT

Division Main tenance
Department
Location K-33 Change House

Date 3-28-61 JW
Checked by B C Burrie

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
Floor area at										
Wash room	10	1100	<100	<P.A.L.						

Action Taken: None Necessary

(over)

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Approved W. H. Luckett
Operating Supervisor

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RADIATION MONITORIN .ND CONTROL REPORT

Division Maintenance
Department K-1007
Location K-304-5 shop

Date 3-28-61
Checked by B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
Floor area		200	<100							
Equipment		150	<100	BL						
				L						

Action Taken: Min Necessary 2 Check Lab 3 Pat replacing W hands, shoes, clothes
3 2 Total Personnel Checked

(over)

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Operating Supervisor

WCX-2191 (11-53) K-25RC Safety & Health Physics Section

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.FETY AUDIT REPORT

JCN - 2021 (1 9-60)

PAGE 1 OF 6

BUILDING (1-8 M)	LOCATION (1-48)	DIVISION CODE (49-50)	LOCATION CO (51-52)
K-304-5	Utility Maintenance Shop	01	51

AUDITED BY (SIGNATURE): J. Worthington

REVIEWED WITH (SIGNATURE): L. H. Brown

FIXED PROTECTION (Personal - Fire)	IBM	CLASS CODE (53-54)	NO. INSPECTED (55-58)	NO. SATISFACTORY (59-62)	DATE (63-7)
		01	4	2	12-26-

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIO
Automatic Sprinkler System	1		Fire Extinguishers	2	2-(18-5)
Emergency Exits	1		Protective Equip. Supply		
Emergency Station			P. A. System		
Evacuation Alarm			Safety Showers		
Eye Baths			Standpipes		
Fire Alarm Boxes			Other (Note in Remarks)		
Fire Doors					

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Damaged	10. Missing
2. Contents	11. Respiratory Equipment	2. Deteriorated	11. Not Labelled
3. Door	12. Rack	3. Dirty	12. Not Lighted
4. Fusible Link	13. Rollers	4. Improperly Stored	13. Not Posted
5. Hardware	14. Sprinkler Head	5. Inaccessible or Blocked	14. Out of Test Date
6. Hose	15. Stop Valve	6. Inadequate	15. Unsealed
7. Identification Light	16. Track	7. Inoperative	16. Other (Note in Remarks
8. Nozzle	17. Unit	8. Leaking	
9. Operating Instructions	18. Other	9. Location Not Indicated	

REMARKS:

ENVIRONMENTAL CONTROL	IBM	CLASS CODE (53-54)	NO. INSPECTED (55-58)	NO. SATISFACTORY (59-62)
		02	7	5

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION
Cleanliness, Orderliness	1		Radiation (Thermal)		
Disposal of Scrap; Waste	1		Radiation (Arc, Ionizing)		
Protection of Hazardous or Flammable Refuse	1	1-(6-1)	Traffic Control		
Storage — Material and Equipment	1	1-(6-21)	Illumination	1	
Storage — Compressed Gas Cylinders	1.		Ventilation	1	
Vegetation Control			Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1 Grounds	1. Creates Fire Hazard	10. Inadequate or Improper Ventilation Equipment	19. Not Properly Secured
2. Lunch Room	2. Dirty	11. Inadequate Warning Signs	20. Pedestrian Lanes Not Indicated
3. Office	3. Excessive Accumulation	12. Incorrect Lighting Fixtures	21. Poor Arrangement
4. Storage Area	4. Excessive Glare	13. Inoperative Equipment	22. Poorly Stacked
5. Washroom	5. Fire Lanes Blocked	14. Insufficient Illumination	23. Unsafe Method Used
6. Work Area	6. Inadequate Barricades	15. Materials Not Stored in Designated Areas	24. Wrong Type Container
	7. Inadequate Insulation	16. Material Protruding into Aisles	25. Special Hazards Not Marked
	8. Inadequate Sheilding	17. Metal Cap Missing	26. Ventilation Equipment Not Being Used
	9. Inadequate Traffic Markers	18. No Containers	27. Other (Note in Remarks)

REMARKS:

51-43 — 0-0

01 Fixed Protection 02 Environmental Control

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

WORK SURFACES	IBM	CLASS CODE 03 (53 - 54)	NO. INSPECTED 3 (55 - 58)	NO. SATISFACTORY 3 (59 - 62)

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Cat			Ladder (stationery)		
Exit	1		Platforms		
Floors	1		Scaffolds		
Furniture	1		Stairs		
Ladder (portable)			Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

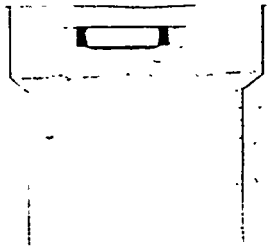
PIPING AND CONTAINERS	IBM	CLASS CODE 04 (53 - 54)	NO. INSPECTED 2 (55 - 58)	NO. SATISFACTORY 1 (59 - 62)

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Combustible Gas			Steam (Bld Ht.- Below 250 psig)		
Flammable Liquid	1	1(4-13)	Steam (High Pressure - above - 250 psig)		
Toxic or Corrosive Liquid			Air	1	
Toxic or Corrosive Gas			Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Cleaning Tank	9. Insulation	1. Broken	9. Kinked
2. Controls	10. Pipe	2. Corroded	10. Leaking
3. Couplings	11. Regulators	3. Damaged	11. Missing
4. Metal Containers	12. Safety Devices	4. Deteriorated	12. Not Pinned
5. Glass Containers	13. Tubing	5. Inadequate	13. Not Properly Identified
6. Hose	14. Valves	6. Inadequate Pressure Rating	14. Not Sealed
7. Grounding	15. Vents	7. Incorrect	15. Not Shielded
8. Guards or Supports	16. Housing	8. Inoperative	16. Plugged
	17. Other (Note in Remarks)		17. Other (Note in Remarks)

REM

03 - Work Surfaces 04 - Piping and Containers



SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

ELECTRICAL	IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
		05	9	8
		53 - 54	55 - 58	59 - 62

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM - CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Corded Equipment	7	1 (9-5)
Utilization Equipment	1	
Other (Note in Remarks)		
High Voltage Equipment (Above 480 Volts)		
Disconnects	1	
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Box Covers
3. Conduit
4. Connectors
5. Breaker
6. Grounds
7. Ground Mats
8. Identification
9. Inspection Date and Tag
10. Insulation
11. Plugs
12. Receptacles
13. Safety Switch
14. Switch
15. Warning Signs
16. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Does Not Meet Plant Specifications
6. Exposed Terminals
7. Missing
8. Not Provided
9. Ungrounded
10. Unguarded
11. Other (Note in Remarks)

REMARKS:

WORK PRACTICES	IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
		~~06~~		
		53 - 54	55 - 58	59 - 62

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling		None Available	Use of Safe Attire		
Use of Tools			Use of Personnel Portective Devices		
Use and Maintenance of Machines & Equipment			Work Habits		
Use of Ionizing Radiation Sources					

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Use
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

05 - Electrical 06 - Work Practices

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS	IBM	CLASS CODE 07 (53 - 54)	NO. INSPECTED 15 (55 - 58)	NO. SATISFACTOR 15 (59 - 62)

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Ele owered	5	
Hand	10	
Hydraulic	4	
Pneumatic Powered	1	
Powder Actuated		
Laboratory Glassware		

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Rema
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES	IBM	CLASS CODE 08 (53 - 54)	NO. INSPECTED 2 (55 - 58)	NO. SATISFACTOR 2 (59 - 62)

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIC
Conveyor			Power Truck		
Chain Hoist	2		Tractor		
Electric Hoist			Plant Railway		
Winch or Tugger			Skid		
Sling			Pallet		
Lifting Fixture			Bicycle		
Dolley			Bus		
Hand Truck			Passenger Car		
Wheelbarrow			Motor Truck		
Fork Truck			Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	9. Couplings	17. Fittings	25. Hitches	33. Runers
2. Bell	10. Crank	18. Forks	26. Hooks	34. Switches
3. Brakes	11. Crossing Signals	19. Frame	27. Horn	35. Ties
4. Bumping Post	12. Crossing Signs	20. Glass	28. Interlocks	36. Track
5. Cable	13. Dead Man Controls	21. Grounding Connection	29. Lights	37. Wheels
6. Chain	14. Deck	22. Guards	30. Limitswitches	38. Whistle
7. Clearance Markers	15. Dog	23. Handles	31. Road Bed	39. Other (Note in Remarks)
8. Controls	16. Exhaust	24. Handrails	32. Rope	

UNSATISFACTORY CONDITION

1. Broken	5. Damaged	9. Improperly Located	13. Maintenance	17. Other (Note in Remarks)
2. Construction	6. Deteriorated	10. Inadequate	14. Missing	
3. Corroded	7. Illegible	11. Inoperative	15. Overloaded	
4. Cracked	8. Improperly Adjusted	12. Kinked	16. Protruding Fastenings	

R S:

07 - Hand and Portable Power Tools 08 - Materials Handling Equiment - Vehicles

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS—COMPRESSED GAS CYLINDERS	IBM	CLASS CODE 09 (53 - 54)	NO. INSPECTED 2 (55 - 58)	NO. SATISFACTORY 2 (59 - 62)

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIC
Ac ank			Freon Tank		
Air Receivers			HF Tank		
Boilers			UF_6 Containers		
Compressed Gas Cylinders	2		Water Storage Heaters		
Fluorine Tank			Other (Note in Remarks)		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Past Due
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Plugged
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Unsecured
4. Dikes	11. Shell	4. Deterioated	11. Missing	18. Other (Note in Remarks)
5. Drip Pans	12. Test	5. Inadequate	12. Not Sealed	
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Shielded	
7. Grounding or Bonding	14. Other (Note in Remarks)	7. Incorrect	14. Open Valve	

REMARKS:

SAFETY AUDIT REPORT

OCN - 2021 (1 9-60)

MACHINERY AND EQUIPMENT

IBM	CLASS CODE 10	NO. INSPECTED	NO. SATISFACTOR
	53 - 54	55 - 58	59 - 62
		7	5

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITI
Bt Pedestal Grinder	2	1 (29-10)	Press Brake		
Blower			Pulverizer		
Boring Mill			Pump		
Centrifuge			Saw (band - metal)		
Compressor			Saw (band - wood)		
Crusher			Saw (circular - metal)		
Diesels (stationary)			Saw (circular- -wood)		
Drill Press	1		Saw (jig)		
Fans	1	1 (14-7)	Saw (power - rip)		
Forming Rolls			Saw (radial)		
Gear Cutter			Saw (swing)		
Grinding Machine			Screw Machine		
Hobber			Shaper (metal)		
Jointer			Shaper (wood)		
Lathe (engine)			Shears		
Lathe (turret)			Slicer		
Lathe (woodworking)			Welding or Cutting Unit Oxyacetylene - Manual	1	
M			Welding or Cutting Unit Electric - Manual	1	
Paper Cutter			Welding or Cutting Unit Oxyacetylene - Automatic		
Planer (metal)			Welding or Cutting Unit Electric - Automatic		
Planer (wood)					
Power Press	1		Other (Note in Remarks)		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	12. Feed Device	23. Limit Stop	1. Broken	11. Rough
2. Blowpipe	13. Grounding	24. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (electrode)	14. Guard	25. Regulator	3. Defective	13. Valve Open
4. Cable (power)	15. Guard (belt)	26. Safety Device	4. Improperly Adjusted	14. Wrong Size or Type
5. Chip Screen	16. Guard (gears)	27. Screens	5. Improperly Located	15. Other (Note in Remarks)
6. Clamp or Vise	17. Guard (projecting stock)	28. Spindle	6. Improperly Secured	
7. Controls	18. Guard (splash)	29. Tool Rest	7. Inadequate	
8. Cylinder Cart	19. Guard (tool or die)	30. Torch	8. Inoperative	
9. Cylinder	20. Guard (wheel)	31. Wheel Dressing	9. Maintenance	
10. Dust Collector	21. Hose	32. Other (Note in Remarks)	10. Missing	
11. Flanges	22. Inspection Date and Tag			

REMARKS:

Annual

JN

ALPHA CONTAMINATION AUDIT REPORT

Location K-305-5 Valve Calibration Shop (3001) Date 4/18/61

Supervisor in Charge J.M. Ellis Total Work Area 1310 ft²

Operations in Progress None

Protective Measures in Force

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	2.3	1.0
	Area Factor (Total)	1.1	0.1
	Area Factor (Wipe)	1.1	0.1

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Glove, table top, hood	10	I	10	I	1200	400
	1	II	1	II	3000	1600
Worthington Pump	—		—		4500	400

	Range Surface	(c/m) Wipe	Weighting Factor			
Class 0	*	–	0	Total ft²		
Class I	500-2000	100-500	1		10	10
Class II	2000-10,000	500-2000	5		1	1
ss III	> 10,000	> 2000	20		0	0
			Grand Total (ft²)		11	11

B&V

LPL

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

RADIATION MONITORIN AND CONTROL REPORT

Division Maintenance
Department K-1005
Location K-305-9 Oil Storage

Date 1-16-61 JW
Checked by BC Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft²	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft³)	Alpha Counts/min/ft³
MTL buggies #1343130		<600	—	<0.3						
MTL buggie #1343100		<600	—	<0.3						

Action Taken: The above buggies are considered free - contaminated

(over)

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2nd Copy - Divisional Files

WCX-2191 (53) K-25RC Safety & Health Physics Section

Approved J W Bishop
Operating Supervisor

1-203

RADIATION MONITORING AND CONTROL REPORT

Division: Maintenance
Department: 1092
Location: K-305-12 shop

Date: 5-25-61

Checked by: B C Burnell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
		Surface	Wipe	Surface	1 ft	Distance (ft)				
floor area	36	1250	250							
equipment		300	<100							
				<P.A.L.						

1961 JUN 12 PM 3:25

Action Taken: None Necessary.

(over)

Approved: W. H. Luckett
Operating Supervisor

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WCX-2191 (11-53) K-25RC Safety & Health Physics Section

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RADIATION MONITORIN[illegible] ND CONTROL REPORT

Division Maintenance
Department 1600
Location 305-12 shop

Date 3-28-6[illegible] JW

Checked by BC Burnett

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
Floor area		400	<100							
of storagetable	14	900	450							
Center of area							M-134	2:08	150	0.05

Action Taken: None Necessary.

(over)

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WCX-2191 (11-53) K-25RC Safety & Health Physics Section

Approved W. H. Luckett
Operating Supervisor

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SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

Page 1 of ____

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-305-12	Shift Maintenance Shop	01	31	01	26	24	8-24-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto. Sprinkler System	2		Fire Extinguishers	3	
Emergency Exits			Protective Equip. Supply	17	1(11-13) 1(17-13) Bus. Suit
Emergency Station			P. A. System	1	
Evacuation Alarm	1		Safety Showers		
Eye Baths			Standpipes		
Fire Alarm Boxes	2		Other (Note in Remarks)		
Fire Doors					

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other Impermeable Suit	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-305-12	Shift Maintenance	01	31	02	26	24	8-24-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	6	1(6-8)	Radiating Surfaces		
Illumination	2		Traffic Control	1	
Material Containment	16	2(6-8) BW	Ventilation	1	
Radiation			Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Area
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

-205- 138-115-0-0

AUDITED BY (SIGNATURE) D. Sno

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-305-12	Shift Maintenance Shop	01	31	03	9	9	8-24-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Catv.			Ladder (stationery)		
Exit	2		Platforms		
Floors	2		Scaffolds		
Furniture	2		Stairs		
Ladder (portable)	3		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-305-12	Shift Maint Shop	01	31	04	12	4	8-24-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine			Steam (Bldg Ht - Below 15 psig)		
Hydrofluoric Acid			Steam (Low Pressure - 15-250 psig)		
Natural Gas			Steam (High Pressure - above 250 psig)		
Pyrofax			Safety Cans (17) Other (Note in Remarks)	12	8 (17-17)

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks) Safety Cans	8. Indistinct	17. Other (Note in Remarks) Identification
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE) P. Solis

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-305-12	Shift Maint Shop	01	31	05	20	11	8-24-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEMS INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low [illegible]e Equipment (Below 480 Volts)		
Corded Equipment	12	6(8-6)
Utilization Equipment	3	
High Voltage Equipment (Above 480 Volts)		
Disconnects	5	3(13-5)
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
6. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-305-12	Shift Maint Shop	01	31	06			
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling			Use of Safe Attire		
Use of Tools			Use of Personnel Protective Devices		
Use and Maintenance of Machines & Equipment		Not Present	Work Habits		
Use of Ionizing Radiation Sources					

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel Enclosure, when Unsafe Because of Temperatu Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-305-12	Shift Maint Shop	01	31	07	18	18	8-24-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE OF TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Elec. Powered		
Hand	10	
Hydraulic	7	
Pneumatic Powered	1	
Powder Actuated		

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remc
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-305-12	Shift Maint. Shop	01	31	08	22	21	8-24-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor		
Chain Hoist	2	
Electric Hoist		
Winch or Tugger		
Sling	19	2 (5-5)
Lifting Fixture		
Dolley		
Handtruck	1	
Wheelbarrow		
Fork Truck		

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIO
Power Truck		
Tractor		
Plant Railway		
Skid		
Pallet		
Bicycle		
Bus		
Passenger Car		
Motor Truck		
Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Crossing Signals	25. Hitches	39. Other (Note in Remarks)
12. C[illegible] Signs	26. Hooks	
13. D[illegible]n Control	27. Horn	
14. Dec[illegible]	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-305-12	Shift Maint Shop	01	31	09			
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITI
Acet ank			Freon Tank		
Air Receivers			HF Tank		
Boilers			UF_6 Containers		
Compressed Gas Cylinders			Water Storage Heaters		
Fluorine Tank			Other *(Note in Remarks)*		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other *(Note in Remarks)*
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other *(Note in Remarks)*	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

09 - Pressure Vessels & Gas Cylinders

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-305-12	Shift Maint Shop	01	31	10	5	4	8-24-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIO
Auto . Arc Cutting Unit			Oxygen-Arc Cutting Unit		
Automatic Arc Welding Unit			Paper Cutter		
Bench or Pedestal Grinder	2		Planer (metal)		
Blower			Planer (wood)		
Boring Mill			Power Press		
Centrifuge			Press Brake		
Compressor			Pulverizer		
Crusher			Pump		
Diesels (stationary)			Saw (band - metal)	1	
Drill Press			Saw (band - wood)		
Fans	1		Saw (circular - metal)		
Forming Rolls			Saw (circular - wood)		
Gear Cutter			Saw (jig)		
Grinding Machine			Saw (power - rip)		
Hobber			Saw (radial)		
Jointer			Saw (swing)		
Lathe (engine)			Screw Machine		
Lat et)			Shaper (metal)		
Lathe (woodworking)			Shaper (wood)		
Manual Arc Cutting Unit			Shears		
Manual Arc Welding Unit	1	1 (20-7)	Slicer		
Mixer			Other (Note in Remarks)		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) [illegible]

RADIATION MONITORING AND CONTROL REPORT

Division: Maintenance
Department: 1002
Location: K-306-1 shop

Date: 5-25-61 JW
Checked by: B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft²	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr	Sample Number	Time Started	Volume (ft³)	Alpha Counts/min/ft³
		Surface	Wipe	Surface	1 ft	Distance (ft)				
Work table	3	600	<100							
floors		500	<100							
				Pol						

Safety and Health Physics
1961 JUN 12 PM 3:45

Action Taken: Non-Necessary.

(over)

Approved: W. H. Luckett
Operating Supervisor

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WCX-2191 (11-53) K-25RC Safety & Health Physics Section

RADIATION MONITORIN ND CONTROL REPORT

Division Maintenance
Department
Location K-306-1 shop

Date 3-28-61 JW
Checked by B C Burnett

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
floor area		250	<100							
equipment		300	<100							
Centerline area							M-135	1:15	150	0.05

1961 MAY 12 PM 4:03
Safety and Health Physics

Action Taken: None necessary

(over)

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WCX-2191 (11-53) K-25RC Safety & Health Physics Section

Approved W. N. Luckett
Operating Supervisor

-212-

RADIATION MONITORING AND CONTROL REPORT

Division: Maintenance
Department: 7001
Location: 309-2 Change House

Date: 3-2-61 JW
Checked by: B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft²	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft³)	Alpha Counts/min/ft³
Floor area		<100	<100							
Equipment		<100	<100	Ok						
				L						

Action Taken: None Necessary

(over)

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Approved: [illegible]
Operating Supervisor

WCX-2191 (11-53) K-25RC Safety & Health Physics Section

-213-

RADIATION MONITORIN ND CONTROL REPORT

Division: Maintenance
Department: 1002
Location: K-309-3 Shop

Date: 2-23-61 JW
Checked by: BC Burnell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft²	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft³)	Alpha Counts/min/ft³
floor area	10	800	<100							

Action Taken: None necessary. This area is no longer used as a shop.

(over)

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Approved: L.E. Bryan
Operating Supervisor

WCX-2191 (11-53) K-25RC Safety & Health Physics Section

-314-

RADIATION MONITORIN AND CONTROL REPORT

Division Maintenance
Department 1002
Location K-310-1 shop

Date 5-22-61 JW
Checked by B C Burell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
table top	6	1400	150							
Wooden steps	10	1500	<100							

Safety and Health Physics
1961 JUN 12 PM 3:25

Action Taken: None Necessary.

(over)

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WCX-2191 (11-53) K-25RC Safety & Health Physics Section

Approved R. E. Rogers
Operating Supervisor

-215-

RADIATION MONITORIN .ND CONTROL REPORT

Division Maintenance
Department
Location K-310-1 Storage Area

Date 2-23-61 DW
Checked by BC Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
floor area		350	<100							
saw	2	600	<100	P.P.L.						

Action Taken: None Necessary

(over)

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WCX-2191 (11-53) K-25RC Safety & Health Physics Section

Approved L. E. Ryan
Operating Supervisor

-216-

RADIATION MONITORIN AND CONTROL REPORT

Division Maintenance
Department 002
Location K-310-2 Storage Area

Date 5-22-61 JW
Checked by BC Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft²	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft³)	Alpha Counts/min/ft³
floor area	12	1200	100							
Work Table	10	1400	100							
				Pal						

Safety and Health Physics
1961 JUN 12 PM 3:25

Action Taken: None Necessary

(over)

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WCX-2191 (11-53) K-25RC Safety & Health Physics Section

Approved K. E. Ryan
Operating Supervisor

-217-

RADIATION MONITORI AND CONTROL REPORT

Division Maintenance
Department 1992
Location K-310-2 Storage Area

Date 2-23-61
Checked by B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft²	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft³)	Alpha Counts/min/ft³
floor area	16	1200	150	Bal						
bench	16	2000	250							
				L						

Action Taken: Decontamination followed by recheck.

(over)

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WCX-2191 (11-53) K-25RC Safety & Health Physics Section

Approved L. E. Ryan
Operating Supervisor

-8146-

RADIATION MONITORIN ND CONTROL REPORT

Division Maintenance
Department 1009
Location K-312-basement (10,000 ft² adjacent to shops)

Date 2-21-61
Checked by Bessmile

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft²	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft³)	Alpha Counts/min/ft³
floor area	440	1900	150	P.A.L.						

Action Taken: None Necessary.

(over)

Approved W. H. Puckett
Operating Supervisor

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WCX-2191 (11-53) K-25RC Safety & Health Physics Section

-219-

ALPHA CONTAMINATION AUDIT REPORT

:ation K-312-1 Maintenance Truck Room (3021) Date 3-8-61
Supervisor in Charge H.M. Wyrick Total Work Area 1150 ft²
Operations in Progress None

Protective Measures in Force

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	0	0
	Area Factor (Total)	0	0
	Area Factor (Wipe)	0	0

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
All [illegible] < 300						

	Range Surface	(c/m) Wipe	Weighting Factor			
Class 0	*	–	0	Total ft²		
Class I	500-2000	100-500	1			
Class II	2000-10,000	500-2000	5			
ss III	> 10,000	> 2000	20			
			Grand Total (ft²)			

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

JW

Page 1 of ____

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-312-1	Traps Installation Jobs	01	51	01	10	9	7-24-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIO
Auto. Sprinkler System	1		Fire Extinguishers	2	
Emergency Exits			Protective Equip. Supply	6	1(11-5)
Emergency Station			P. A. System		
Evacuation Alarm			Safety Showers		
Eye Baths			Standpipes		
Fire Alarm Boxes	1		Other (Note in Remarks)		
Fire Doors					

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Poste
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-312-1	Installation Jobs	01	51	02	17	15	7-24-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	6	1(6-8)	Radiating Surfaces		
Illumination	3		Traffic Control	2	
Material Containment	4	1(6-8)	Ventilation	2	
Radiation			Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Are
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

-221-

89-82-10-9

AUDITED BY (SIGNATURE) MCD SSH.

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-312-1		01	51	03	9	9	7-24-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED		NO. UNSATISFACTORY (PART - REASON)
Catw...			Ladder (stationery)		
Exit	3		Platforms		
Floors	3		Scaffolds		
Furniture	2		Stairs		
Ladder (portable)	1		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
				04			
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine			Steam (Bldg Ht - Below 15 psig)		
Hydrofluoric Acid			Steam (Low Pressure - 15-250 psig)		
Natural Gas			Steam (High Pressure - above 250 psig)		
Pyrofax			Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE) 111 D 50 0.

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-312-1	Installation Inc	01	51	05	18	6	7-24-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEMS INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Corded Equipment	8	2(8-6) K
Utilization Equipment	-	(7-7)
High Voltage Equipment (Above 480 Volts)		
Disconnects		1(7-7)
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
6. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-312-1	Installation Inc	01	51	06	10	9	7-24-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	2		Use of Safe Attire	2	
Use of Tools	2		Use of Personnel Protective Devices	2	1(25)
Use and Maintenance of Machines & Equipment	2		Work Habits		
Use of Ionizing Radiation Sources					

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel Enclosure, when Unsafe Because of Temperatu Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

AUDITED BY (SIGNATURE) J. D. Sm.

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-312-1	Installation Jobs	01	51	07	32	32	7-24
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE OF TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Elec. Powered	2	
Hand	30	
Hydraulic		
Pneumatic Powered		
Powder Actuated		

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-312-1	Installation Jobs	01	51	08	5	5	7-24
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor			Power Truck		
Chain Hoist			Tractor		
Electric Hoist			Plant Railway		
Winch or Tugger			Skid		
Sling			Pallet		
Lifting Fixture	1		Bicycle		
Dolley	4		Bus		
Handtruck			Passenger Car		
Wheelbarrow			Motor Truck		
Fork Truck			Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Crossing Signals	25. Hitches	39. Other (Note in Remarks)
12. Cr[illegible] Signs	26. Hooks	
13. D[illegible]n Control	27. Horn	
14. Dec[illegible]	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE)

07 - Power Tools

SAFETY AUDIT REPORT

UCN-2021 (1-9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-312-1	Installation for	01	51	09	2	2	7-24-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITI
Acet. . ank			Freon Tank		
Air Receivers			HF Tank		
Boilers			UF_6 Containers		
Compressed Gas Cylinders	2		Water Storage Heaters		
Fluorine Tank			Other *(Note in Remarks)*		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other *(Note in Remarks)*
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other *(Note in Remarks)*	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE) W P Ellis

REVIEWED WITH (SIGNATURE)

09 - Pressure Vessels &

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-3/2-1	Installation Job			10	6	4	7-2-[illegible]
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIO
Auto. [illegible] Arc Cutting Unit			Oxygen-Arc Cutting Unit	1	
Automatic Arc Welding Unit			Paper Cutter		
Bench or Pedestal Grinder	2	2(26-10) OK	Planer (metal)		
Blower			Planer (wood)		
Boring Mill			Power Press		
Centrifuge			Press Brake		
Compressor			Pulverizer		
Crusher			Pump		
Diesels (stationary)			Saw (band - metal)		
Drill Press			Saw (band - wood)		
Fans	3		Saw (circular - metal)		
Forming Rolls			Saw (circular - wood)		
Gear Cutter			Saw (jig)		
Grinding Machine			Saw (power - rip)		
Hobber			Saw (radial)		
Jointer			Saw (swing)		
Lathe (engine)			Screw Machine		
Lat[illegible] [illegible]et)			Shaper (metal)		
Lathe (woodworking)			Shaper (wood)		
Manual Arc Cutting Unit			Shears		
Manual Arc Welding Unit	2	1(20-7)	Slicer		
Mixer			Other (Note in Remarks)		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Eller

REVIEWED WITH (SIGNATURE) W. H. Luckett

WE

JW

ALPHA CONTAMINATION AUDIT REPORT

Location K-312-2 Process Maint Shop (3042) Date 9-19-61

Supervisor in Charge D.M. Cox. Total Work Area 1400 ft²

Operations in Progress Routine Repair Work.

Protective Measures in Force —

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Surface Index 13 X 2 =	26.	16.
	Area Factor (Total)	9.4	3.9
	Area Factor (Wipe)	—	1.4

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Metal Tables	23	I			2000	
" "	11	II			7000	
Paper on Work Benches	35	I			1100	
Floor Around Work Benches	62	I			900	

	Range Surface	Range (c/m) Wipe	Weighting Factor					
Class 0	*	—	0	Total ft²				B+γ < P.A.L.
Class I	500-2000	100-500	1		120			
Class II	2000-10,000	500-2000	5		11			
Class III	> 10,000	> 2000	20		0			
			Grand Total (ft²)		131			

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

JW

ALPHA CONTAMINATION AUDIT REPORT

ation K-312-2 Valve Room Pump Room (3046) Date 3-8-61

Supervisor in Charge Re / Total Work Area 1800 ft²

Operations in Progress Routine Pump Maintenance

Protective Measures in Force

SUMMARY:

ALPHA CONTAMINATION		This Survey	Last Survey
	Index	5.8	2.0
	Area Factor (Total)	2.8	0.5
	Area Factor (Wipe)	2.8	0.5

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Carts	29	I	30	I	1500	300
"	1	II	—		3000	—
Asbestos Cloth + Bench	20	I	20	I	1500	200

	Range Surface	(c/m) Wipe	Weighting Factor			
Class 0	*	–	0	Total ft²		
Class I	500-2000	100-500	1		49	50
Class II	2000-10,000	500-2000	5		1	
ss III	> 10,000	> 2000	20			
			Grand Total (ft²)		50	50

BK < PAL

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Re Re No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
		<100		<100		<100		
SUMMARY: No. > P.A.L.								
No. Checked								
% Total Checks > P.A.L.								

AIR-ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
Face level. South Side	HP229	3:27	5	18	0/6	0.02
Face Level North Side	HP230	3:35	5	20	0/6	0.00

SUMMARY:							
Air Samples	2	No. Taken		For Samples > P.A.L.	Total		Total 0.02
	0	No. > P.A.L.			%		Average 0.01
	0	% > P.A.L.					

REMARKS:

Inspector W. P. Ellis Op. Supervisor H. M. Wyrick Date 3/13/61

JWD

ALPHA CONTAMINATION AUDIT REPORT

Location K-317-2 Process Maint. Shop (3042) Date 3-8-61

Supervisor in Charge _____ Total Work Area 1400 ft²

Operations in Progress Routine Pump Repair

Protective Measures in Force _____

SUMMARY:

ALPHA CONTAMINATION		This Survey	Last Survey
	Index	16	16
	Area Factor (Total)	3.9	3.6
	Area Factor (Wipe)	1.4	3.0

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Tables, tools + machines	38	I	12	I	1800	400
" "	15	II	5	II	[illegible]	1500
" " "	2	III	2	III	>12,500	5000

	Range Surface	Range (c/m) Wipe	Weighting Factor			
Class 0	*	–	0	Total ft²		
Class I	500-2000	100-500	1		38	12
Class II	2000-10,000	500-2000	5		15	5
ss III	>10,000	>2000	20		2	2
			Grand Total (ft²)		55	19

BY PAL

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr) Hands	Shoes Personal	Shoes Issue	Clothing Personal	Clothing Issue	Gloves	Ret Rel. No.
		<100		1700		<100		
		<100		700		<100		
		<100		400		<100		
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
Face level, NE Side	HP-3[illegible]	10:13	5	18	0/5	0.06
Face level, SE Side	HP-3[illegible]	10:20	5	20	0/4	0.07

SUMMARY:							
Air Samples	2	No. Taken		For Samples > P.A.L.	Total		Total 0.13
	0	No. > P.A.L.			%		Average 0.06
	0	% > P.A.L.					

REMARKS:

Inspector W. P. Eblin Op. Supervisor H. M. Wyrick Date 3/13/61

RADIATION MONITORIN .ND CONTROL REPORT

Division Maintenance
Department 100
Location K-312-2 lunch table area

Date 6-2-61
Checked by B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
floor area		300	<100							
equipment		300	<100							

Safety and Health Physics
1961 JUN 12 PM 3:26

Action Taken: None Necessary

(over)

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2nd Copy - Divisional Files

WCX-2191 (11-53) K-25RC Safety & Health Physics Section

Approved W. H. Luckett
Operating Supervisor

-232

RADIATION MONITORIN ND CONTROL REPORT

Division Maintenance
Department 1002
Location K-312-2 Maintenance Shop

Date 6-2-61

Checked by B C Burnell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft²	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft³)	Alpha Counts/min/ft³
desk	4	1000	<100							
saw	2	850	150							
floor area	265	1600	300							
table tops	16	1600	400							

Safety and Health Physics

196 JUN 12 PM 3:26

Action Taken: A "Decontamination Request" was issued on the 6-2-61.

(over)

Approved W. H. Luckett
Operating Supervisor

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2nd Copy • Divisional Files

WCX-2191 (11-53) K-25RC Safety & Health Physics Section

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RADIATION MONITORIN .ND CONTROL REPORT

Division Maintenance
Department K-100
Location K-312-2 Valley Iron Pump Assembly

Date 6-2-61 JW

Checked by B C Burrello

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
Left Top	3	600	<100							
Right Top		200	<100							

Safety and Health Physics
1961 JUN 12 PM 3:20

Action Taken: None Necessary.

(over)

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Approved W. H. Luckett
Operating Supervisor

RADIATION MONITORIN(ND CONTROL REPORT

Division Maintenance
Department K-1002
Location K-312-2 basement (shop)

Date 5-16-61 JW
Checked by B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
Flow area (North half)	360	2200	200							
Power saw	2	1200	150							
Bench grinder table	2	4000	650	J.W.						
Table tops	16	1850	300	K.V.						

Decontamination Health Physics
1961 JUN 12 PM 3:26

Action Taken: A "Request for Decontamination" was issued 5-16-61

(over)

Approved W. H. Luckett
Operating Supervisor

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RADIATION MONITORING AND CONTROL REPORT

Division: Maintenance
Department: 7002
Location: 312-2 Valve Iron Pump Assembly

Date: 4-21-61
Checked by: B C Burnell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
Floor Area		300	<100							
Equipment		250	<100							

Action Taken: None Necessary.

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Operating Supervisor

12361

RADIATION MONITORIN ND CONTROL REPORT

Division: Maintenance
Department: 7002
Location: 3 13-2 shop and lunch area

Date: 4-19-61 JW
Checked by: BC Burnett

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft²	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft³)	Alpha Counts/min/ft³
floor area		400	<100							
tables	12	1900	250	Ok						
Misc. equipment	12	2200	350	L						

Initial 12 Pit 4:03

Safety and Health Engineering

Action Taken: None Necessary

(over)

Approved: W. H. Luckett
Operating Supervisor

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RADIATION MONITORIN .ND CONTROL REPORT

Division Maintenance
Department 7005-7
Location K-312-7 Valley Iron Pump Repair

Date 4-7-61 JW
Checked by B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
floor area		200	<100							
equipment		250	<100							

Action Taken: None necessary

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Operating Supervisor

Safety and Health Physics

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RADIATION MONITORIN ND CONTROL REPORT

Division Maintenance
Department 1002
Location K-312-2 shop and lunchroom

Date 4-7-61 JW
Checked by B C Burnette

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
lunch area										
floor		<100	<100	BG						
table		<100	<100	L						
shop area										
3 tools	12	2200	200							
floor area		~~500~~	<100	BG						
				L						

Received 12 PM 4:04 Safety and Health Physics

Action Taken: None necessary

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Operating Supervisor

-239-

RADIATION MONITORIN AND CONTROL REPORT

Division Maintenance
Department 400
Location K-372-2 Vellley Iron Pump Assembly

Date 3-30-61

Checked by B C Burnette

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
3 Table	50	1900	400							
floor area		200	<100							

Action Taken: Decontamination followed by recheck

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Operating Supervisor

-240-

RADIATION MONITORIN .ND CONTROL REPORT

Division Maintenance
Department 700
Location K-312-2 lunchroom and shop

Date 3-30-61
Checked by BC Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft²	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft³)	Alpha Counts/min/ft³
Lunch area										
floor area		150	<100							
Equipment		200	<100	<P.A.L.						
Shop area										
Clerical desk	6	1200	150							
Waste Can	1	700	<100							
Power saw	2	600	<100							
Wooden top tool chest	4	850	200							
Tool boxes	6	550	<100	<P.A.L.						
Floor area	20	1400	150							
Portable table	22	1250	250							

Action Taken: Decontamination followed by recheck.

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RADIATION MONITORIN ND CONTROL REPORT

Division Maintenance
Department 100
Location K-312-2 Valley Iron Pump Repair

Date 3-16-6 JW
Checked by B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
Floor area		<100	<100							
Mint equipment		1000	200	Pal						

Action Taken: None Necessary.

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Operating Supervisor

1-245-1

RADIATION ~~MONITORIN~~ ND CONTROL REPORT

Division Maintenance
Department K-1200
Location K-3/2-2 Valley Iron/Pump Repair Shop

Date 3-6-61 JW
Checked by BC Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
Floor area		350	<100	P.A.L.						
Equipment		250	<100							

Action Taken: None Necessary

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RADIATION MONITORIN ND CONTROL REPORT

Division Maintenance Date 3-6-61

Department

Location K-31L-2 #3 basement + Carpenter Shop Checked by BC Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
floor area	1300	3200	400	<pal						

Action Taken: Decontamination followed by recheck

(over)

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Operating Supervisor

-244-

RADIATION MONITORIN .ND CONTROL REPORT

Division Maintenance
Department 1202
Location K-312-2 Maint. Shop and office furnished

Date 3-3-61 JW
Checked by BCBurrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft²	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft³)	Alpha Counts/min/ft³
Lunch area		200	<100							
floor area		300	<100							
equipment										
Shop area										
floor area	12	600	<100							
portable table	6	650	<100							

Action Taken: None necessary. 3 Checked for Pal radiation on hands, shoes, clothes
3 Total Personnel Checked

(over)

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Operating Supervisor

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RADIATION MONITORIN .ND CONTROL REPORT

Division Maintenance
Department 100C
Location K-31C-2 Valley Iron Pump Assembly

Date 3-3-61 JW

Checked by B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
Maint. dolly	6	2200	300							
floor area	260	1450	200							
stainless steel pan	16	1000	450	L.P.A.L.						

Action Taken: Decontamination followed by recheck.

(over)

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Operating Supervisor

-240-

RADIATION MONITORIN ND CONTROL REPORT

Division: Maintenance
Department: K-100
Location: K-312-2 Valley Iron Pump Assembly

Date: 2-23-61

Checked by: B C Barnell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
floor area	20	900	<100							
table top	3	950	400	Bal						
				L						

Action Taken: None Necessary. 2 Checked & Bal radiation on hands, shoes, clothes
2 Total Personnel Checked

(over)

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Operating Supervisor

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RADIATION MONITORIN AND CONTROL REPORT

Division Maintenance
Department 1002
Location K-312-2 Shop & Lunch Room

Date 2-21-61

Checked by B C Burnell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
Shop										
Grinder bench	2	800	200							
Portable table	4	2000	400	<PAL						
Lunch Room										
floor area		200	<100							
Equipment		200	<100	<PAL						

Action Taken: None Necessary. 2 Checked <PAL radiation on hands, shoes, clothes
2 Total Personnel Checked

(over)

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Operating Supervisor

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RADIATION MONITORIN .ND CONTROL REPORT

Division: Maintenance
Department: 1002
Location: K-312-2 shop and Lunch room

Date: 2-17-61 JW
Checked by: B C Burnell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
Lunch room										
Floor area		250	<100	pal						
Equipment		200	<100	<						
Shop area										
Chemical shop	4	650	100	pal						
Power saw	6	1000	<100							
Pan for parts	1	2200	600	<						
Grinding benches	6	5000	600							
Misc. equipment	50	4100	600							
Center of area							M-122	2:32	195	0.05

Action Taken: Decontaminating followed by recheck
1 Checked < PAL after decontamination of hands, shoes, clothes
1 Total Per. Checked

(over)

Approved: W. H. Luckett
Operating Supervisor

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RADIATION MONITORIN AND CONTROL REPORT

Division Maintenance
Department 4100
Location K-312-2 Valley Iron Pump

Date 2-17-61 JW
Checked by B C Burnell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
floor area	200	2000	250							
steps	6	1200	150							
stairs & stub table	14	950	400							
" " table top	14	1600	650							
Center of area							M-123	3:10	NO	0.03

Action Taken: Decontamination followed by recheck.

(over)

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Operating Supervisor

-250-

WRE

RADIATION MONITORING AND CONTROL REPORT

Division: Maintenance
Department: K-1032
Location: K-31C-L Valley Iron Pump Assembly

Date: 1-12-61 JW
Checked by: B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
Floor area		400	<100							
Equipment		350	<100							
Center of area							M-109	3:00	165	0.02

Action Taken: None necessary. Checked & Pal reflecting on hands, shoes, clothes & Total Personnel Checked

(over)

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Approved: H. M. Wyrick
Operating Supervisor

RADIATION MONITORIN AND CONTROL REPORT

Division Maintenance
Department K 002
Location K-312-2 Valley Iron Pump Shop

Date 1-4-61 JW
Checked by B C Burnell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
Floor area		300	<100							
Equipment		300	<100	Dal						

JAN 10 1961

Action Taken: None necessary

(over)

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Operating Supervisor

-2531-

RADIATION MONITORIN AND CONTROL REPORT

Division: Maintenance
Department: K-1028 shop and lunch area
Location:

Date: 1-4-61
Checked by: [illegible]

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
		Surface	Wipe	Surface	1 ft	Distance (ft)				
lunch area										
floor area		250	<100		PAL					
equipment		350	<100							
shop area										
shop area	140	1950	250		PAL					
Phillips	6	4000	400							
tables	42	2200	450							
portable table	10	12,000	1600							
grinder bench	4	1700	400							

RECEIVED JAN 10 1961

Action Taken: Recontaminating followed by recheck.
2 Checked < PAL after decontamination on shoes, hands, clothes
2 Told Personnel Checked

(over)

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Approved: H. M. Wyrick
Operating Supervisor

WCX-2191 (11-53) K-25RC Safety & Health Physics Section

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SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

Page 1 of ____

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-312-2	Valley Iron Pump Repair Area	01	51	01	8	8	9-29-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Auto. Sprinkler System	1		Fire Extinguishers	2	
Emergency Exits			Protective Equip. Supply		
Emergency Station			P. A. System	1	
Evacuation Alarm	1		Safety Showers		
Eye Baths			Standpipes		
Fire Alarm Boxes	3		Other (Note in Remarks)		
Fire Doors					

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-312-2	Valley Iron Pump Repair	01	51	02	10	10	9-29-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	2		Radiating Surfaces		
Illumination	2		Traffic Control	2	
Material Containment	2		Ventilation	2	
Radiation			Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Area
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

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REVIEWED WITH (SIGNATURE) W. H. Luckett

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-312-2	Valley Iron Pump Repair	01	51	03	16	16	9-29-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART-REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART-REASON)
Catv.			Ladder (stationery)	4	
Exit	4		Platforms	2	
Floors			Scaffolds		
Furniture	4		Stairs	1	
Ladder (portable)	1		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-312-2	Valley Iron Pump Repair	01	51	04	1	1	9-29-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART-CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Fluorine	1		Steam (Bldg Ht - Below 15 psig)		
Hydrofluoric Acid			Steam (Low Pressure - 15-250 psig)		
Natural Gas			Steam (High Pressure - above 250 psig)		
Pyrofax			Air Other (Note in Remarks)	1	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

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SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-312-2	Valley Iron Pump Repair	01	51	05	6	5	9-28-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEMS INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low [illegible]e Equipment (Below [illegible]50 Volts)		
Corded Equipment	2	
Utilization Equipment	3	
High Voltage Equipment (Above 480 Volts)		
Disconnects	1	1 (7-1)
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
5. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-312-2	Valley Iron Pump Repair	01	51	06			
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling			Use of Safe Attire		
Use of Tools			Use of Personnel Protective Devices		
Use and Maintenance of Machines & Equipment			Work Habits		
Use of Ionizing Radiation Sources					

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel c Enclosure, when Unsafe Because of Temperatu Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

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SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-3122	Valley Iron Pump Repair	01	51	07	4	4	9-29-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE OF TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Elec. Powered		
Hand	4	
Hydraulic		
Pneumatic Powered		
Powder Actuated		

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Rema
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-3122	Valley Iron Pump repair	01	51	08	7	7	9-29-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor			Power Truck		
Chain Hoist			Tractor		
Electric Hoist	2		Plant Railway		
Winch or Tugger			Skid		
Sling	1		Pallet		
Lifting Fixture			Bicycle		
Dolley	3		Bus		
Handtruck	1		Passenger Car		
Wheelbarrow			Motor Truck		
Fork Truck			Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Crossing Signals	25. Hitches	39. Other (Note in Remarks)
12. Cr 1 Signs	26. Hooks	
13. D n Control	27. Horn	
14. Dec	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

-257-

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SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-3122	Valley Iron Pump Repair	01	51	09	2	2	9-29-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITIO
Acet ank			Freon Tank		
Air Receivers			HF Tank		
Boilers			UF_6 Containers		
Compressed Gas Cylinders	2		Water Storage Heaters		
Fluorine Tank			Other *(Note in Remarks)*		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other *(Note in Remarks)*
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other *(Note in Remarks)*	7. Incorrect	14. Not Shielded	

REMARKS:

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SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-312-2	Valley Iron Pump Repair	01	51	10	1	1	9-22-[illegible]
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIO
Auto.. c Arc Cutting Unit			Oxygen-Arc Cutting Unit		
Automatic Arc Welding Unit			Paper Cutter		
Bench or Pedestal Grinder			Planer (metal)		
Blower			Planer (wood)		
Boring Mill			Power Press		
Centrifuge			Press Brake		
Compressor			Pulverizer		
Crusher			Pump		
Diesels (stationary)			Saw (band - metal)		
Drill Press			Saw (band - wood)		
Fans			Saw (circular - metal)		
Forming Rolls			Saw (circular - wood)		
Gear Cutter			Saw (jig)		
Grinding Machine			Saw (power - rip)		
Hobber			Saw (radial)		
Jointer			Saw (swing)		
Lathe (engine)			Screw Machine		
Lat ret)			Shaper (metal)		
Lathe (woodworking)			Shaper (wood)		
Manual Arc Cutting Unit			Shears		
Manual Arc Welding Unit			Slicer		
Mixer			Other (Note in Remarks)	1	

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

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SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

Page 1 of ____ JW

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-312-2	Maintenance Shop	01	51	01	13	11	7-24-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIO
Aut Sprinkler System	1		11 Fire Extinguishers	2	
Emergency Exits			1111 Protective Equip. Supply	6	
Emergency Station			P. A. System		
Evacuation Alarm	1		Safety Showers		
Eye Baths			Standpipes		
Fire Alarm Boxes	3	2 (7-11) OK	Other (Note in Remarks)		
Fire Doors					

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Poste
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILD	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO SATISFACTORY	DATE
K-312-2	Maintenance Shop	01	51	02	20	16	7-24-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	4	1 (6-8)	Radiating Surfaces		
Illumination	2		Traffic Control	2	
1111 Material Containment 111	10	3 (6-8)	Ventilation	2	
Radiation			Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Are
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

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AUDITED BY (SIGNATURE) M P Sodin

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-312-2	Maintenance Shop	01	51	03	17	17	7-24-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED		NO. UNSATISFACTORY (PART - REASON)
Catwalk			Ladder (stationery)		
Exit	1		Platforms		
Floors	3		Scaffolds		
Furniture	13		Stairs		
Ladder (portable)			Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
				04	17	14	
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine			Steam (Bldg Ht - Below 15 psig)		
Hydrofluoric Acid			Steam (Low Pressure - 15-250 psig)		
Natural Gas			Steam (High Pressure - above 250 psig)		
Pyrofax	1	1 (17-5)	Safety Cans Other (Note in Remarks)	16	2 (10-12) 1 OK

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports	Secure	9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE) L. D. Smi

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-3122	Maintenance Shop	01	51	05	33	21	7-24-(
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEMS INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low e Equipment (Below 480 Volts)		
Corded Equipment	17	11(8-6) D.K
Utilization Equipment	10	
High Voltage Equipment (Above 480 Volts)		
Disconnects	6	1(7-7)
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
6. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-312-2	Maintenance Shop	01	51	06	15	13	7-24-(
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	4		Use of Safe Attire	4	
Use of Tools	1		Use of Personnel Protective Devices	4	1(25) 1(28)
Use and Maintenance of Machines & Equipment	2		Work Habits		
Use of Ionizing Radiation Sources					

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel Enclosure, when Unsafe Because of Temperature Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

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SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-312-2	Maintenance Shop	01	51	07	21	19	7-24-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Elec. owered	7	
Hand "	14	2(7-9)
Hydraulic		
Pneumatic Powered		
Powder Actuated		

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Rema
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-312-2	Maintenance Shop	01	51	08	6	6	7-24-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor			Power Truck		
Chain Hoist			Tractor		
Electric Hoist			Plant Railway		
Winch or Tugger			Skid		
Sling			Pallet		
Lifting Fixture	1		Bicycle		
Dolley	5		Bus		
Handtruck			Passenger Car		
Wheelbarrow			Motor Truck		
Fork Truck			Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Crossing Signals	25. Hitches	39. Other (Note in Remarks)
12. Cr n Signs	26. Hooks	
13. D n Control	27. Horn	
14. De	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ell

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-312-2	Maintenance Shop	01	51	09	2	2	7-24-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITI
Acet. ank			Freon Tank		
Air Receivers	1		HF Tank		
Boilers			UF_6 Containers		
Compressed Gas Cylinders	2		Water Storage Heaters		
Fluorine Tank			Other (Note in Remarks)		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other (Note in Remarks)
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other (Note in Remarks)	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-3332-2	Maintenance Shop	01	51	10	16	6	7-24
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIO
Auto - Arc Cutting Unit			Oxygen-Arc Cutting Unit	1	
Automatic Arc Welding Unit			Paper Cutter		
Bench or Pedestal Grinder	2		Planer (metal)		
Blower			Planer (wood)		
Boring Mill			Power Press		
Centrifuge			Press Brake		
Compressor			Pulverizer		
Crusher			Pump	3	2(13-6) 1-OK
Diesels (stationary)			Saw (band - metal)	1	
Drill Press	1		Saw (band - wood)		
Fans	3	2(18-7) OK	Saw (circular - metal)		
Forming Rolls			Saw (circular - wood)		
Gear Cutter			Saw (jig)		
Grinding Machine			Saw (power - rip)		
Hobber			Saw (radial)		
Jointer			Saw (swing)		
Lathe (engine)			Screw Machine		
Lat ret)	1	O.K.	Shaper (metal)		
Lathe (woodworking)			Shaper (wood)		
Manual Arc Cutting Unit			Shears		
Manual Arc Welding Unit			Slicer		
Mixer			Other (Note in Remarks)		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) W. H. Leckett

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

Page 1 of ___

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-312-2	Valley Iron Pump Shop	01	51	01	10	7	3-9-[illegible]
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto. Sprinkler System			Fire Extinguishers	3	3(3-13)
Emergency Exits			Protective Equip. Supply	2	
Emergency Station			P. A. System	1	
Evacuation Alarm	1		Safety Showers		
Eye Baths			Standpipes		
Fire Alarm Boxes	3		Other (Note in Remarks)		
Fire Doors					

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILD.	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-312-2	Valley Iron Pump Shop	01	51	02	15	14	3-9-6[illegible]
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	5	1(6-8)	Radiating Surfaces	1	
Illumination	2		Traffic Control	2	
Material Containment	3		Ventilation	2	
Radiation			Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Area
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

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AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) H. M. Wyrick

10-7-95 11-10

01 - Fixed Protection
02 - Environmental Control

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-312-2	Valley Iron Pump Shop	01	51	03	16	16	3-9-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Catw.			Ladder (stationery)	2	
Exit	4		Platforms	2	
Floors	2		Scaffolds		
Furniture	2		Stairs	2	
Ladder (portable)	2		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-312-2	Valley Iron Pump Shop	01	51	04	1	1	3-9-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine			Steam (Bldg Ht - Below 15 psig)		
Hydrofluoric Acid			Steam (Low Pressure - 15 - 250 psig)		
Natural Gas			Steam (High Pressure - above 250 psig)		
Pyrofax			Other (Note in Remarks) N_2	1	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) H. M. Wyrick

03 - Work Surfaces

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
312-2	Valley Iron Pary Shop	01	61	05	6	3	3-9-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEMS INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts) /	1	
Corded Equipment	2	
Utilization Equipment /	1	1 (11-5)
High Voltage Equipment (Above 480 Volts)		
Disconnects //	2	2 (13-5)
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
6. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-312-2	Valley Iron Pary Shops	01		06	11	10	3-9-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	2		Use of Safe Attire		
Use of Tools	2		Use of Personnel Protective Devices	3	
Use and Maintenance of Machines & Equipment			Work Habits	3	1 (29) ?
Use of Ionizing Radiation Sources	1				

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel Enclosure, when Unsafe Because of Temperatu Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) L. M. Wyrick

05 - Electrical
06 - Work Practices

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-312-2	Valley Iron Pump Shop	01	51	07	50	45	3-9-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE OF TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND-CONDITION)
Elec. Powered		
Hand	50	1(9-10) 4(7-9)
Hydraulic		
Pneumatic Powered		
Powder Actuated		

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Rema
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-312-2	Valley Iron Pump Shop	01	51	08	6	6	3-9-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Conveyor			Power Truck		
Chain Hoist	2		Tractor		
Electric Hoist			Plant Railway		
Winch or Tugger			Skid		
Sling			Pallet		
Lifting Fixture			Bicycle		
Dolley	2		Bus		
Handtruck	2		Passenger Car		
Wheelbarrow			Motor Truck		
Fork Truck			Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Crossing Signals	25. Hitches	39. Other (Note in Remarks)
12. Cr. n Signs	26. Hooks	
13. D. n Control	27. Horn	
14. Decn	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

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AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) H. M. Wyrick

SAFETY-AUDIT REPORT

UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
312-2	Valley Iron Pump Shop	01	51	09	2	2	3-9-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIC
Acet[illegible] ank			Freon Tank		
Air Receivers			HF Tank		
Boilers			UF_6 Containers		
Compressed Gas Cylinders	2		Water Storage Heaters		
Fluorine Tank			~~Ofc~~ Other (Note in Remarks)		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other (Note in Remarks)
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other (Note in Remarks)	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) H. M. Wyrick

09 - Pressure Vessels & Gas Cylinders

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-312.2	Valley Iron Pump Shop	01	51	10	2	1	3-9-6
1BM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto... ..c Arc Cutting Unit			Oxygen-Arc Cutting Unit		
Automatic Arc Welding Unit			Paper Cutter		
Bench or Pedestal Grinder			Planer (metal)		
Blower			Planer (wood)		
Boring Mill			Power Press		
Centrifuge			Press Brake		
Compressor			Pulverizer		
Crusher			Pump		
Diesels (stationary)			Saw (band - metal)		
Drill Press			Saw (band - wood)		
Fans			Saw (circular - metal)		
Forming Rolls			Saw (circular - wood)		
Gear Cutter			Saw (jig)		
Grinding Machine			Saw (power - rip)		
Hobber			Saw (radial)		
Jointer			Saw (swing)		
Lathe (engine)			Screw Machine		
Lat... ret)			Shaper (metal)		
Lathe (woodworking)			Shaper (wood)		
Manual Arc Cutting Unit			Shears		
Manual Arc Welding Unit	1	(20 - 7)	Slicer		
Mixer			Other *(Note in Remarks)*		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other *(Note in Remarks)*
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other *(Note in Remarks)*	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

AUDITED BY (SIGNATURE) W P Ellis

REVIEWED WITH (SIGNATURE) H. M. Wyrick

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

JW

Page 1 of ____

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-312-2	K-312-2 Process Maint Shop	01	51	01	8	4	3-8-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Auto Sprinkler System			Fire Extinguishers	2	1(3-13) 1(3-11)
Emergency Exits			Protective Equip. Supply	2	1 (11-13)
Emergency Station			P. A. System	1	
Evacuation Alarm			Safety Showers		
Eye Baths			Standpipes		
Fire Alarm Boxes	3		Other (Note in Remarks)		
Fire Doors					

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-312-2	Maint Tool Shop	01	51	02	12	11	3-8-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	5	1(6-16) [illegible]	Radiating Surfaces		
Illumination	2		Traffic Control	1	
Material Containment	2		Ventilation	2	
Radiation			Rags in Box, Can Other (Note in Remarks)	2	1(6-16)

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Area
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) J. P. Jones

01 - Fixed Protection
02 - Environmental Control

10-04 22-25

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K 312-2	Process Maint Shop	01	51	03	5	5	3-8-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED		NO. UNSATISFACTORY (PART - REASON
Catv.	1		Ladder (stationery)		
Exit	1		Platforms		
Floors	2		Scaffolds		
Furniture	2		Stairs		
Ladder (portable)			Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-312-2	Process Maint. Shop	01	51	04	7	6	3-8-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION
Fluorine			Steam (Bldg Ht - Below 15 psig)		
Hydrofluoric Acid			Steam (Low Pressure - 15-250 psig)		
Natural Gas			Steam (High Pressure - above 250 psig)		
Pyrofax			~~Flammables~~ Other (Note in Remarks)	7	1 (17-17)

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports	Safety Can	9. Inoperative	Identification

REMARKS:

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AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE) J. G. Jones

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-312-2	Process Maint. Shop	01	51	05	20	9	3-8-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Corded Equipment	11	FAN PUMP 2(9-1) 9(8-5)
Utilization Equipment	5	
High Voltage Equipment (Above 480 Volts)		
Disconnects	4	
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
5. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-312-2	Process Maint Shop	01	51	06	22	20	3-8-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	2		Use of Safe Attire	5	
Use of Tools	5		Use of Personnel Protective Devices	5	1(25)
Use and Maintenance of Machines & Equipment	5	1(14) grinder	Work Habits		
Use of Ionizing Radiation Sources					

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

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AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE) J. C. Jones

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
		01	51	07	59	45	3-8-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND-CONDITION)
Electric Powered	7	4(8-12 2(11-14)
Hand	52	8(7-9)
Hydraulic		
Pneumatic Powered		
Powder Actuated		

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remc
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILD...	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-312-2	Process & Maint Shops	01	51	08	3	3	3-8-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITIO
Conveyor			Power Truck		
Chain Hoist			Tractor		
Electric Hoist			Plant Railway		
Winch or Tugger			Skid		
Sling			Pallet		
Lifting Fixture			Bicycle		
Dolley			Bus		
Handtruck	3		Passenger Car		
Wheelbarrow			Motor Truck		
Fork Truck			Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Crossing Signals	25. Hitches	39. Other (Note in Remarks)
12. Cr[illegible] Signs	26. Hooks	
13. D[illegible] n Control	27. Horn	
14. De[illegible]	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

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AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE) J. G. Jones

SAFETY AUDIT REPORT

UCN-2021 (1-9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-312-2	Process Maintenance Shop	01	51	09	3	3	3-8-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIC
Acetylene Tank			Freon Tank		
Air Receivers			HF Tank		
Boilers			UF_6 Containers		
Compressed Gas Cylinders	2		Water Storage Heaters		
Fluorine Tank			Other (Note in Remarks)	1	

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other (Note in Remarks)
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other (Note in Remarks)	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE) J. P. Jones

09 - Pressure Vessels & Gas Cylinders

SAFETY AUDIT REPORT
UCN-2021 (1-9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-312-2	Process Maint. Shop	01	51	10	12	6	3-8-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto[illegible] Arc Cutting Unit			Oxygen-Arc Cutting Unit		
Automatic Arc Welding Unit			Paper Cutter		
Bench or Pedestal Grinder	2	1 (26-5)	Planer (metal)		
Blower			Planer (wood)		
Boring Mill			Power Press		
Centrifuge			Press Brake		
Compressor			Pulverizer		
Crusher			Pump	3	2 (13-10)
Diesels (stationary)			Saw (band - metal)		
Drill Press	1		Saw (band - wood)		
Fans	4	1 (18-7)	Saw (circular - metal)		
Forming Rolls			Saw (circular - wood)		
Gear Cutter			Saw (jig)		
Grinding Machine			Saw (power - rip)		
Hobber			Saw (radial)		
Jointer			Saw (swing)		
Lathe (engine)			Screw Machine		
Lat[illegible]et)	1	1 (13-10)	Shaper (metal)		
Lathe (woodworking)			Shaper (wood)		
Manual Arc Cutting Unit	1	1 (7-14)	Shears		
Manual Arc Welding Unit			Slicer		
Mixer			Other (Note in Remarks)		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks) Close Valve
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder ~~Chuck~~	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

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AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE) J. P. Jones

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ALPHA CONTAMINATION AUDIT REPORT

Location K-312-3 A.C. Pump Shop (3020) Date 10-5-61.

Supervisor in Charge L.E. Ryan. Total Work Area 3600. ft²

Operations in Progress No Work In Progress.

Protective Measures in Force —

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Surface Index 79 X 2 =	158.	394
	Area Factor (Total)	43.	81.
	Area Factor (Wipe)	—	—

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Floor & Equipment.	1247	I			2000	
" "	318	II			5500	

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ALPHA CONTAMINATION AUDIT REPORT (3020)

Location K-312-3 A.C. Pump Shop Date 9-19-61

Supervisor in Charge L.E. Ryan Total Work Area 3600. ft²

Operations in Progress No Shop Work in Progress.

Protective Measures in Force

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Surface Index 197 X 2 =	394.	744
	Area Factor (Total)	81.	93
	Area Factor (Wipe)	—	—

SPECIFIC LOCATION	Area (ft²) and Class of Contamination: Surface		Wipe		Maximum Reading (c/m): Surface	Wipe
Floor & Equipment	2064	I				
" "	816	II				
" "	48	III				

	Range Surface	(c/m) Wipe	Weighting Factor					
Class 0	*	—	0	Total ft²				B+7 L.P.A.L.
Class I	500-2000	100-500	1		2064			
Class II	2000-10,000	500-2000	5		816			
ss III	> 10,000	> 2000	20		48			
			Grand Total (ft²)		2928			

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

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ALPHA CONTAMINATION AUDIT REPORT

Location K-312-3 A.C. Pump Sump (3020) Date 8-29-61.
Supervisor in Charge I.E. Ryan. Total Work Area 3600 ft²
Operations in Progress No Work In Progress.

Protective Measures in Force —

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Surface Index 372 X 2 =	744.	682
	Area Factor (Total)	93.	74
	Area Factor (Wipe)		

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Floor & Equipment	1472	I			2000	
" "	1689	II			10000	
" "	173	III			>12500	

	Range Surface	(c/m) Wipe	Weighting Factor				
Class 0	*	–	0	Total ft²			B+? <P.A.L.
Class I	500-2000	100-500	1		1472		
Class II	2000-10,000	500-2000	5		1689		
ss III	>10,000	>2000	20		173		
			Grand Total (ft²)		3334		

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

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ALPHA CONTAMINATION AUDIT REPORT

Location K-312-3, A.C. Pump Shop (3020) Date 7-25-61
Supervisor in Charge W. H. Luckett Total Work Area 3600 ft²
Operations in Progress No Shop Work in Progress

Protective Measures in Force —

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Surface Index 341 X 2 =	682	3.6
	Area Factor (Total)	74	2.4
	Area Factor (Wipe)		0.3

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Floor & Equipment	1431	I			2000	
" "	1113	II			[illegible]	
" "	265	III			>2500	

	Range Surface	(c/m) Wipe	Weighting Factor				
Class 0	*	–	0	Total ft²			B+? <P.A.L.
Class I	500-2000	100-500	1		1431		
Class II	2000-10,000	500-2000	5		1113		
ss III	>10,000	>2000	20		265		
				Grand Total (ft²)	2809		

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

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8

J.W. 18 CFM

ALPHA CONTAMINATION AUDIT REPORT (3020)

Location K-312-3 Pump Dismantling Facility Date 4-3-61
Supervisor in Charge J. P. Jones Total Work Area 3600 ft²
Operations in Progress None

Protective Measures in Force

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	3.6	310
	Area Factor (Total)	2.4	79
	Area Factor (Wipe)	0.3	69

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Floor Surface	80	I	10	I	1800	150
" "	8	II	—		3500	—

	Range Surface	(c/m) Wipe	Weighting Factor			
Class 0	*	—	0	Total ft²		
Class I	500-2000	100-500	1		80	
Class II	2000-10,000	500-2000	5		8	
Class III	>10,000	>2000	20			
			Grand Total (ft²)		88	10

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

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ALPHA CONTAMINATION AUDIT REPORT

Location K-312-3 AC Pump Shop (3020) Date 3-9-61

Supervisor in Charge _____ Total Work Area 3600 ft²

Operations in Progress None

Protective Measures in Force _____

[For reporting to IBM Jan–Jun 1961 use 1,650 sq. ft.] for 4-4-61

SUMMARY:

ALPHA CONTAMINATION		This Survey	Last Survey
	Index	310	96
	Area Factor (Total)	79	33
	Area Factor (Wipe)	69	52

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Floors & Benches	2100	I	2300		1800	400
" "	750	II	200		6000	600

	Range Surface	(c/m) Wipe	Weighting Factor			
Class 0	*	–	0	Total ft²		
Class I	500-2000	100-500	1		2100	2300
Class II	2000-10,000	500-2000	5		750	200
Class III	>10,000	>2000	20			
			Grand Total (ft²)		2850	2500

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

RADIATION MONITORIN .ND CONTROL REPORT

Division Maintenance
Department 1002
Location K-312-3 AC Pump Repair

Date 6-2-61 JW

Checked by BC Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
Flow area	460	>12,500	550							
Pump base	3	1250	300							
Misc. Eq.		2200	1250							

Safety and Health Physics
1961 JUN 12 PM 3:25

Action Taken: A Decontamination Request was issued on the 6-2-61

(over)

Approved W. H. Luckett
Operating Supervisor

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WCX-2191 (11-53) K-25RC Safety & Health Physics Section

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RADIATION MONITORIN AND CONTROL REPORT

Division: Maintenance
Department: 1002
Location: K-312-3 AC Pump Repair

Date: 4-21-61 JW
Checked by: B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft²	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft³)	Alpha Counts/min/ft³
Floor area	450	1400	300							
Pump parts		6000	—	Pol						

Action Taken: A "Decontamination Request" Was issued.

(over)

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Approved: W. H. Luckett
Operating Supervisor

1961 APR 21 PM 4:03
Safety and Health Physics

RADIATION MONITORI AND CONTROL REPORT

Division: Maintenance
Department: K-1003
Location: K-312-3 AC Pump Repair

Date: 4-7-61 JW
Checked by: B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
floor area	30	1400	250	Pal.						
tools		1950	200							

1961 APR 12 PM 4:04
Health Physics

Action Taken: None Necessary 3 Checked < Pal radiation on hands, shoes, clothes
3 Total Personnel Checked

(over)

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WCX-2191 (11-53) K-25RC Safety & Health Physics Section

Approved: W. A. Puckett
Operating Supervisor

RADIATION MONITORIN AND CONTROL REPORT

Division Maintenance
Department
Location 372-3 AC pump repair

Date 3-30-61
Checked by B C Burnell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
floor area	650	3000	650							
foot stepping stones	60	1850	250							

Action Taken: Decontamination followed by recheck

(over)

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WCX-2191 (11-53) K-25RC Safety & Health Physics Section

Approved W. H. Luckett
Operating Supervisor

-287-

RADIATION MONITORIN ND CONTROL REPORT

Division maintenance
Department 100
Location K-312-3

Date 3-6-61
Checked by B C Bunch

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft²	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft³)	Alpha Counts/min/ft³
floor area										
fend pump.										
based adjacent										
to 312-3 pump										
Dismantling area	1500	2500	1600	L pal						

Action Taken: Decontamination followed by recheck.

(over)

Approved W. H. Luckett
Operating Supervisor

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WCX-2191 (11-53) K-25RC Safety & Health Physics Section

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RADIATION MONITORIN .ND CONTROL REPORT

Division: Main tenance
Department: 1100
Location: K-312-3 AC Pump Repair

Date: 3-16-6[illegible]
Checked by: BC Burnell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
Floor area		<100	<100							
Misc. equipment		200	400							

Action Taken: None Necessary.

(over)

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WCX-2191 (11-53) K-25RC Safety & Health Physics Section

Approved: W. H. Luckett
Operating Supervisor

-389-

RADIATION MONITORIN .ND CONTROL REPORT

Division Maintenance
Department 1002
Location K-312-3 AC Pump Repair

Date 2-21-61 JH
Checked by B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
floor area	40	1400	200							
				Pol.						
				L						

Action Taken: None Necessary

(over)

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Approved W. H. Luckett
Operating Supervisor

WCX-2191 (11-53) K-25RC Safety & Health Physics Section

-290-

RADIATION MONITORIN .ND CONTROL REPORT

Division Maintenance
Department 1002
Location K-312-3 AC Pump Repair Area

Date 2-9-61 JW
Checked by B C Burnell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
Floor area	620	>12,500	Visible							
Floor	14	3200	450	P.A.L.						
Table	18	5000	1600							
Center of area							M-1173	3:N	NO	0.01

Action Taken: Decontamination followed by recheck.

(over)

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WCX-2191 (11-53) K-25RC Safety & Health Physics Section

Approved W. H. Luckett
Operating Supervisor

-291-

RADIATION MONITORING AND CONTROL REPORT

Division: Maintenance
Department: 1092
Location: K-312-3 AC Pump Repair

Date: 2-16-61
Checked by: B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft²	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft³)	Alpha Counts/min/ft³
Floor area	1600	712,500	6500							
Pump Barn		1600	600	Rad						
				L						

Action Taken: Decontamination followed by repeated 2 checks of Pad radiation on hands, shoes, clothes 2 Total Per. Checks

(over)

Approved: W. H. Luckett
Operating Supervisor

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WCX-2191 (11-53) K-25RC Safety & Health Physics Section

-292-

RADIATION MONITORIN ND CONTROL REPORT

Division Maintenance
Department 100
Location K-31L-3 AC pump repair

Date 1-12-61 JW
Checked by B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
Floor area	460	712,500	Visible							
Pump bases	2	1000	150							
				Pd						
Center of area							2M-108	2:45	195	0.15

Action Taken: Decontamination followed by recheck.
2 Checked RBS V Good after washing hands, shoes, clothes
2 Total Personnel Checked

(over)

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WCX-2191 (11-53) K-25RC Safety & Health Physics Section

Approved H. M. Wyrick
Operating Supervisor

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SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

JW

Page 1 of ____

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-312-3	AC Pump Dressing Area	01	31	01	10	8	7-24-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIO
Auton. Sprinkler System	1		Fire Extinguishers	3	
Emergency Exits			Protective Equip. Supply	4	2 (11-5)
Emergency Station			P. A. System		
Evacuation Alarm	1		Safety Showers		
Eye Baths			Standpipes		
Fire Alarm Boxes	1		Other (Note in Remarks)		
Fire Doors					

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Poste
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO SATISFACTORY	DATE
K-312-3	AC Pump Shop	01	31	02	19	17	2-24-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	6	1 (6-8)	Radiating Surfaces		
Illumination	3		Traffic Control	2	
Material Containment	6	1 (6-8)	Ventilation	2	
Radiation			Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Are
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

-294- 91-74 — 3-3

AUDITED BY (SIGNATURE) [illegible]

REVIEWED WITH (SIGNATURE) L. S. [illegible]

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

Page 2 of ____

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-312-3	AC Pump Shop	01	31	03	9	9	7-24-[illegible]
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Catw[illegible]			Ladder (stationery)		
Exit	3		Platforms		
Floors	3		Scaffolds		
Furniture	3		Stairs		
Ladder (portable)			Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-312-3	AC Pump Shop	01	31	04	7	3	7-24-[illegible]
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine			~~Steam (Bldg III - Below 15 psig)~~ Air	1	1 (4-13) (17-3)
Hydrofluoric Acid			Steam (Low Pressure - 15-250 psig)		
Natural Gas			Steam (High Pressure - above 250 psig)		
Pyrofax			Safety Can III Other (Note in Remarks)	6	3 (10-12) no.

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks) Valve	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE) M. D. Sood

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-3123	AC Pump Shop	01	31	05	19	13	7-24-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Corded Equipment	12	6 (8-6) OK
Utilization Equipment	5	
High Voltage Equipment (Above 480 Volts)		
Disconnects	2	
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
6. Does Not Meet Plant Specification
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-3123	AC Pump Shop	01	31	06	3	3	7-24-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	1		Use of Safe Attire	1	
Use of Tools			Use of Personnel Protective Devices	1	
Use and Maintenance of Machines & Equipment			Work Habits		
Use of Ionizing Radiation Sources					

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel Enclosure, when Unsafe Because of Temperature Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

AUDITED BY (SIGNATURE) J. D. Soo...

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-312-3	AC Pump Shop	01	31	07	9	9	7-24-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered	6	
Hand	2	
Hydraulic	1	
Pneumatic Powered		
Powder Actuated		

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-312-3	AC Pump Shop	01	31	08	3	3	7-24-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor			Power Truck		
Chain Hoist			Tractor		
Electric Hoist			Plant Railway		
Winch or Tugger			Skid		
Sling	2		Pallet		
Lifting Fixture			Bicycle		
Dolley	1		Bus		
Handtruck			Passenger Car		
Wheelbarrow			Motor Truck		
Fork Truck			Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Crossing Signals	25. Hitches	39. Other (Note in Remarks)
12. Crossing Signs	26. Hooks	
13. Dumping Control	27. Horn	
14. Deck	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-312-3	AC Pump Shop	01	31	09	9	7	7-24
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITI
Acet. Tank			Freon Tank		
Air Receivers			HF Tank		
Boilers			UF_6 Containers		
Compressed Gas Cylinders	9	2(11-5)	Water Storage Heaters		
Fluorine Tank			Other (Note in Remarks)		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other (Note in Remarks)
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other (Note in Remarks)	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE) W. P Ellis

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-3123	AC Pump Shop	01	31	10	6	5	7-24-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto . Arc Cutting Unit			Oxygen-Arc Cutting Unit	2	
Automatic Arc Welding Unit			Paper Cutter		
Bench or Pedestal Grinder	2		Planer (metal)		
Blower			Planer (wood)		
Boring Mill			Power Press		
Centrifuge			Press Brake		
Compressor			Pulverizer		
Crusher			Pump		
Diesels (stationary)			Saw (band - metal)		
Drill Press			Saw (band - wood)		
Fans	1		Saw (circular - metal)		
Forming Rolls			Saw (circular - wood)		
Gear Cutter			Saw (jig)		
Grinding Machine			Saw (power - rip)		
Hobber			Saw (radial)		
Jointer			Saw (swing)		
Lathe (engine)			Screw Machine		
Lat et)			Shaper (metal)		
Lathe (woodworking)			Shaper (wood)		
Manual Arc Cutting Unit			Shears		
Manual Arc Welding Unit	1	1 (20-1) no.	Slicer		
Mixer			Other (Note in Remarks)		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

-299-

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) W. H. Luckett

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

Page 1 of ____

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K312-3	AC Pump Shop	01	51	01	7	3	3-9-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIO
Auto. Sprinkler System			Fire Extinguishers	2	2 (3-13)
Emergency Exits			Protective Equip. Supply	2	2 (11-13) (11-5)
Emergency Station			P. A. System	1	
Evacuation Alarm	1		Safety Showers		
Eye Baths			Standpipes		
Fire Alarm Boxes	1		Other (Note in Remarks)		
Fire Doors					

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Poste
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-312-3	AC Pump Shop	01	51	02	15	12	3-9-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	5	1 (6-8) Shop, Tools machines, rags	Radiating Surfaces		
Illumination	2		Traffic Control	2	
Material Containment	5	3 (6-8) Cardboard Boxes	Ventilation	1	
Radiation			Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Area
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

-300-

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) J. T. Jones

01 - Fixed Protection
02 - Environmental Control

SAFETY-AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-312-3	AC Pump Shop	01	51	03	6	6	
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Catwalks			Ladder (stationery)		
Exit	2		Platforms		
Floors	2		Scaffolds		
Furniture			Stairs	1	
Ladder (portable)	1		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-312-3	AC Pump Shop	01	51	04	4	2	3-9-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine			Steam (Bldg Ht - Below 15 psig)		
Hydrofluoric Acid			Steam (Low Pressure - 15-250 psig)		
~~Neutral~~ N_2 Gas	1		Steam (High Pressure - above 250 psig)		
Pyrofax			Solvents & Oils Other (Note in Remarks)	3	1 (17-17) 1 (1-11)

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys, bucket	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. ~~Leaking~~ Open
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks) Safety Cans	8. Indistinct	17. Other (Note in Remarks) Identification
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) J. G. Jones

03 - Work Surfaces

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-3123	AC Pump Shop	01	51	05	20	10	
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEMS INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)	1	
Corded Equipment	9	8(8-5)(9-1)
Utilization Equipment	7	1(11-5)
High Voltage Equipment (Above 480 Volts)		
Disconnects	1	
Rotating Equipment	1	
Other (Note in Remarks)	2	1(10-9)

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
5. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS: 1. Flexible conduit to fan
2. 240 line left plugged in with one end open.

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
				06			
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling		Present	Use of Safe Attire		
Use of Tools			Use of Personnel Protective Devices		
Use and Maintenance of Machines & Equipment			Work Habits		
Use of Ionizing Radiation Sources		No.			

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel Enclosure, when Unsafe Because of Temperature Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) J. G. Jones

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-312-3	AC Pump Shop	01	51	07	13	9	3-9-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND-CONDITION)
Elec. Powered	6	3(11-14) (6-14)
Hand	5	1(16-15)
Hydraulic	2	
Pneumatic Powered		
Powder Actuated		

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch-wedge	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Rem
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-312-3	AC Pump Shop			08	6	5	3-9-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITIO
Conveyor			Power Truck	1	
Chain Hoist			Tractor		
Electric Hoist			Plant Railway		
Winch or Tugger			Skid		
Sling	3		Pallet		
Lifting Fixture			Bicycle		
Dolley			Bus		
Handtruck	2	1(3)-1)	Passenger Car		
Wheelbarrow			Motor Truck		
Fork Truck			Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. ~~Bed~~ Bed Board
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Crossing Signals	25. Hitches	39. Other (Note in Remarks)
12. C[illegible] Signs	26. Hooks	
13. D[illegible]n Control	27. Horn	
14. Dec.	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

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AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) J. P. Jones

07 - Power Tools

08 - Materials Handling

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-312-3	AC Pump Shop	01	51	09	3	2	3-9-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIC
Ace ank			Freon Tank		
Air Receivers			HF Tank		
Boilers			UF_6 Containers		
Compressed Gas Cylinders	3	1 (11-18)	Water Storage Heaters		
Fluorine Tank			Other (Note in Remarks)		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other (Note in Remarks)
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other (Note in Remarks)	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) J. P. Jones

09 - Pressure Vessels & Gas Cylinders

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING (IBM 1-5)	LOCATION (6-45)	DIVISION CODE (46-49)	LOCATION CODE (50-51)	CLASS CODE (52-53)	NO. INSPECTED (54-57)	NO. SATISFACTORY (58-61)	DATE (62-67)
1873/2-3	AC Pump Shop	01	51	10	4	3	3-9-[illegible]

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Arc Cutting Unit			Oxygen-Arc Cutting Unit	1	
Automatic Arc Welding Unit			Paper Cutter		
Bench or Pedestal Grinder			Planer (metal)		
Blower	1		Planer (wood)		
Boring Mill			Power Press		
Centrifuge			Press Brake		
Compressor			Pulverizer		
Crusher			Pump		
Diesels (stationary)			Saw (band - metal)		
Drill Press			Saw (band - wood)		
Fans			Saw (circular - metal)		
Forming Rolls			Saw (circular - wood)		
Gear Cutter			Saw (jig)		
Grinding Machine	1		Saw (power - rip)		
Hobber			Saw (radial)		
Jointer			Saw (swing)		
Lath[illegible]gine)			Screw Machine		
Lath[illegible]rret)			Shaper (metal)		
Lathe (woodworking)			Shaper (wood)		
Manual Arc Cutting Unit			Shears		
Manual Arc Welding Unit	1	1 (20-7)	Slicer		
Mixer			Other (Note in Remarks)		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) J. G. Jones

JW

Maint. Div.

ALPHA CONTAMINATION AUDIT REPORT

ation K-402-1 Lunch Area (3032) Date 9-7-61

ervisor in Charge Finch Total Work Area 600 ft²

Operations in Progress: —

Protective Measures in Force —

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	0	0
	Area Factor (Total)	0	0
	Area Factor (Wipe)	0	0

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Eiry Area					200	<100
Table & Benches					<100	<100

	Range (c/m) Surface	Range (c/m) Wipe	Weighting Factor	
Class 0	*	–	0	Total ft²
Class I	500-2000	100-500	1	
Class II	2000-10,000	500-2000	5	
ss III	> 10,000	> 2000	20	
			Grand Total (ft²)	

B+γ <P.A.L.

*Class 0 Is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

ALPHA CONTAMINATION AUDIT REPORT

:ation K-402-1 Lunch Room (3032) Date 2-23-61

-upervisor in Charge S.E. Finch. Total Work Area 600 ft^2

Operations in Progress None

Protective Measures in Force —

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	0.0	0.0
	Area Factor (Total)	0.0	0.0
	Area Factor (Wipe)	0.0	0.0

SPECIFIC LOCATION	Area (ft^2) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Floor, tables & benches	—		—		<100	<100

	Range Surface	(c/m) Wipe	Weighting Factor			
Class 0	*	–	0	Total ft^2		
Class I	500-2000	100-500	1		0	0
Class II	2000-10,000	500-2000	5		0	0
·ss III	>10,000	>2000	20		0	0
			Grand Total (ft^2)		0	0

Roy Finch.

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

RADIATION MONITORING AND CONTROL REPORT

Division: Maintenance
Department: K-1002-3 Change House
Location:

Date: 4-13-61 PM
Checked by: BC Burnell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft²	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft³)	Alpha Counts/min/ft³
floor area		400	<100							
equipment		350	<100	Pal						

Action Taken: None Necessary. 3/3 Checked < Pal radiation on hands, shoes, clothes. Total Personnel Checked

(over)

Approved: W. H. Luckett
Operating Supervisor

DISTRIBUTION: 1st Copy - Radiation Hazards and Safety Department K-25RC
2nd Copy - Divisional Files

WCX-2191 (11-53) K-25RC Safety & Health Physics Section

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RADIATION MONITORIN .ND CONTROL REPORT

Division Maintenance
Department 1092
Location K-402-3 Change House

Date 3-15-61 JM

Checked by BC Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
floor area		200	<100							
equipment		200	<100	Pal						
				L						

Action Taken: None Necessary. Checked < Pal radiation on hands, shoes, clothes & total personnel checked

(over)

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2nd Copy - Divisional Files

WCX-2191 (11-53) K-25RC Safety & Health Physics Section

Approved W. H. Luckett
Operating Supervisor

RADIATION MONITORIN AND CONTROL REPORT

Division Maintenance
Department R-402-3
Location Cells 1 & 2 Change

Date 2-7-61
Checked by B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft²	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft³)	Alpha Counts/min/ft³
Cell Cleaner floor area	16	1000	250	<P.A.L.						
Pump stage floor	12	1200	250							
Withdrawal alley floor		400	<100							
equipment opening				4.5	—	—				

Action Taken: The above readings indicate very little spread of contaminants.

(over)

Approved H. M. Wysick
Operating Supervisor

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WCX-2191 (11-53) K-25RC Safety & Health Physics Section

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RADIATION MONITORING AND CONTROL REPORT

Division: Maintenance
Department: 1902
Location: K-402-3 Cell #4 Change

Date: 1-17-61 AM
Checked by: BC Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
Cell enclosure flow area	36	10000	Visible material							
stage pump flow area		<500	<100							
Wright Hawthorne Valley flow area		<500	<100							
system openings				18	7	—				
on stage flow							M-110	10:53	250	

Action Taken: The above material was removed before completion of job.

(over)

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Approved: H. M. Wysick
Operating Supervisor

WCX-2191 (11-53) K-25RC Safety & Health Physics Section

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RADIATION MONITORIN .ND CONTROL REPORT

Division Main tnance
Department
Location K-09 2-3 Cell 7 pump Modification

Date 1-4-67 JM
Checked by B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
escape alley flow										
flow area	20	1100	100							
Cell inclosure flow	6	1000	400							
Withdrawal alley flow	4	1000	<100	<P.A.L						
Stage pump flow area	1	400	<100							
Center of escape alley							M-105	11:27	225	1.4
During removal of equipment										

Action Taken: The above readings indicated very little transfer of material from system.
12 Checked < PAL radiation on hands, shoes, clothes
12 Total Personnel Checked

(over)

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Approved H. M. Wyrick
Operating Supervisor

WCX-2191 (11-53) K-25RC Safety & Health Physics Section

-312-

JW

ALPHA CONTAMINATION AUDIT REPORT

Location K-402-4 - Maintenance Lunch Room (3034) Date 3-10-61

Supervisor-in Charge _____ Total Work Area 650 ft²

Operations in Progress _____

Protective Measures in Force _____

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	0	0
	Area Factor (Total)	0	0
	Area Factor (Wipe)	0	0

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
All readings < 100						
~~10.0~~		I				
~~10.0~~		I				
Class 0 — Range Surface: * — Range Wipe: – — Weighting Factor: 0 — Total ft²	0					
Class I — Range Surface: 500-2000 — Range Wipe: 100-500 — Weighting Factor: 1	0					
Class II — Range Surface: 2000-10,000 — Range Wipe: 500-2000 — Weighting Factor: 5	0					
Class III — Range Surface: > 10,000 — Range Wipe: > 2000 — Weighting Factor: 20	0					
Grand Total (ft²)	0					

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

10/8/65 3/8/66 3-9-66

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

RADIATION MONITORIN .ND CONTROL REPORT

Division Maintenance
Department 1002
Location 402-4 Cell 6 and 7

Date 3-29-61 JW
Checked by BC Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
Cell enclosure floor area	18	1400	200	P.A.L.						
Escape alley floor area		450	<100							
Withdrawal alley floor area		350	<100	P.A.L.						
System readings				12	—	—				
At Pos. C-7, P-6A stage F-floor							M-136	9:09	130	0.9
14 escape alley between Cells 6 & 7							M-137	9:29	290	47.4 (?)

Action Taken: No visible gas was noted, indicating good purge by Operations. An alpha check indicated a very slight transfer of material from system to work surfaces. Proper equipment covering by maintenance was very good. (over)

Approved W. T. Luckett
Operating Supervisor

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WCX-2191 (11-53) K-25RC Safety & Health Physics Section

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5 Welders wore respiratory equipment while cutting away
6 Total Personnel Checked

7 Mechanics were wearing safety glasses
12 Total Personnel Checked

** 2 Mechanics were wearing respiratory equipment during cutting away
12 Total Personnel Checked

* 14 Checked < Pal radiation on hands, shoes, clothes
18 Total Personnel Checked

With the exception of One(1) mechanic - who was smoking - No eating, drinking or smoking was observed on job.

* Checked with >12,500 cm alpha on hands was able to wash same to within the Pal. and his Contaminated Coveralls were exchanged at the end of shift. He was reinstructed by his Supervisor to wear gloves while handling Contaminated items. exchanged Contaminated gloves for clean ones.

** This condition was mentioned to H. Wyrick (Job Supervisor) who reinstructed mechanics ~~##~~ on the use of respirators.

B C Burrell

RADIATION MONITORIN .ND CONTROL REPORT

Division: Maintenance
Department: 1002
Location: K-402-4 lunch room

Date: 4-13-61 JW

Checked by: B C Burnette

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft²	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft³)	Alpha Counts/min/ft³
Floor area		150	<100							
Equipment		200	<100	Bal						

Action Taken: None Necessary.

(over)

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2nd Copy - Divisional Files

Approved: W. H. Luckett
Operating Supervisor

WCX-2191 (11-53) K-25RC Safety & Health Physics Section

Safety & Health Physics
APR 12 PM 4:04

RADIATION MONITORIN ND CONTROL REPORT

Division Main tenance
Department
Location K-902-4 #5 & 6 Cells

Date 3-22-61 JW
Checked by B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
Cell area floor area	22	1600	400	P.A.L.						
Withdrawal alley floor area		450	<100							
Stage Pump Flat area	12	900	<100							
Sys System				8	—	—				

Action Taken: Equipment removed from the system was properly blanked off before shipping and there was good efficiency of the good sky system purge.

(over)

Approved W. R. Luckett
Operating Supervisor

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WCX-2191 (11-53) K-25RC Safety & Health Physics Section

(over)

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RADIATION MONITORIN\ .ND CONTROL REPORT

Division Maintenance
Department 1092
Location K-402-4 Lunchroom

Date 1-19-61 JW
Checked by BC Burnell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft²	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft³)	Alpha Counts/min/ft³
Floor area		100	<100							
Equipment		<100	<100	Pol						

Action Taken: None Necessary 2 Checked for Pol radiation on hands, shoes, clothes
2 Total Personnel Checked

(over)

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Approved H. M. Wyrick
Operating Supervisor

WCX-2191 (11-53) K-25RC Safety & Health Physics Section

RADIATION MONITORIN .ND CONTROL REPORT

Division Main tnance
Department 1002
Location 402-4 lunch room

Date 3-15-61 JW
Checked by BC Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft²	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft³)	Alpha Counts/min/ft³
floor area		<100	<100	pal						
equipment		<100	<100	<						

Action Taken: None Necessary. 2 Checked for Pal radiation on hands, shoes, clothes
2 Total Personnel Checked

(over)

Approved W. H. Luckett
Operating Supervisor

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WCX-2191 (11-53) K-25RC Safety & Health Physics Section

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RADIATION MONITORING AND CONTROL REPORT

Division: Maintenance
Department: K-1002-4 Maintenance Lunch Room
Location:

Date: 2-16-61
Checked by: B. Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
Floor area		200	<100							
Equipment		200	<100							

Action Taken: None Necessary
2 Checked for Rad Contamination on hands, shoes, clothes
2 Total Persons Checked

(over)

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2nd Copy - Divisional Files

WCX-2191 (11-53) K-25RC Safety & Health Physics Section

Approved: W. T. Luckett
Operating Supervisor

-320-

JW
WOE

ALPHA CONTAMINATION AUDIT REPORT (3034)

Location K-402-4 Cascade Maint Lunch Room Date 9-7-61
Supervisor in Charge H.E. Wyrick Total Work Area 650 ft²
Operations in Progress —

Protective Measures in Force —

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	0	0
	Area Factor (Total)	0	0
	Area Factor (Wipe)	0	0

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Floor Area					200	<100
Tables & Benches					<100	<100

	Range Surface	(c/m) Wipe	Weighting Factor				
Class 0	*	–	0	Total ft²			BTW <P.A.L.
Class I	500-2000	100-500	1				
Class II	2000-10,000	500-2000	5				
ss III	>10,000	>2000	20				
			Grand Total (ft²)				

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

Page 1 of ____

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-402-4	Instrument Shop	01	01	01	18	18	8-24-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto. Sprinkler System			Fire Extinguishers	3	
Emergency Exits			Protective Equip. Supply	12	
Emergency Station			P. A. System	1	
Evacuation Alarm	1		Safety Showers		
Eye Baths			Standpipes		
Fire Alarm Boxes	1		Other (Note in Remarks)		
Fire Doors					

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Poste
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILD.	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO SATISFACTORY	DATE
K-402-4	Instrument Shop	01	01	02	25	25	8-24-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	6		Radiating Surfaces		
Illumination	6		Traffic Control	1	
Material Containment	8		Ventilation	4	
Radiation			Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Are
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

-322- 143-134- 6-6

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SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-4024	Instrument Shop	01	01	03	27	26	8-24-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Cat			Ladder (stationery)		
Exit	7		Platforms		
Floors	4		Scaffolds		
Furniture	16	1 (21-4)	Stairs		
Ladder (portable)			Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks) Casters	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-402-4	Instrument Shop	01	01	04	14	13	8-24-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine			Steam (Bldg Ht - Below 15 psig)		
Hydrofluoric Acid			Steam (Low Pressure - 15-250 psig)		
Natural Gas			Steam (High Pressure - above 250 psig)		
Pyrofax	7	1 (17-17)	Other (Note in Remarks)	7	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks) Bottle	8. Indistinct	17. Other (Note in Remarks) Not — Neck
9. Guards or Supports		9. Inoperative	

REMARKS:

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SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-402-4	Instrument Shop	01	01	05	29	22	8-24-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEMS INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Corded Equipment	15	4 (8-6)
Utilization Equipment	12	2 (11-5)
High Voltage Equipment (Above 480 Volts)		
Disconnects	2	1 (13-5)
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
6. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-402-4	Instrument Shop	01	01	06	6	6	8-24-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling			Use of Safe Attire	2	
Use of Tools			Use of Personnel Protective Devices	2	
Use and Maintenance of Machines & Equipment			Work Habits	2	
Use of Ionizing Radiation Sources					

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel Enclosure, when Unsafe Because of Temperature Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

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SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-402-4	Instrument Shop	01	01	07	21	21	8-24-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered	1	
Hand	20	
Hydraulic		
Pneumatic Powered		
Powder Actuated		

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-402-4	Instrument Shop	01	01	08	4	4	8-24-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor			Power Truck		
Chain Hoist	1		Tractor		
Electric Hoist			Plant Railway		
Winch or Tugger	1		Skid		
Sling			Pallet		
Lifting Fixture			Bicycle	1	
Dolley	1		Bus		
Handtruck			Passenger Car		
Wheelbarrow			Motor Truck		
Fork Truck			Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Crossing Signals	25. Hitches	39. Other (Note in Remarks)
12. Cr[illegible] Signs	26. Hooks	
13. D[illegible] n Control	27. Horn	
14. Dec[illegible]	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-402-4	Instrument Shops -	01	01	10	5	5	8-24-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto[illegible] Arc Cutting Unit			Oxygen-Arc Cutting Unit		
Automatic Arc Welding Unit			Paper Cutter		
Bench or Pedestal Grinder	2		Planer (metal)		
Blower			Planer (wood)		
Boring Mill			Power Press		
Centrifuge			Press Brake		
Compressor			Pulverizer		
Crusher			Pump	1	
Diesels (stationary)			Saw (band - metal)		
Drill Press	1		Saw (band - wood)		
Fans	1		Saw (circular - metal)		
Forming Rolls			Saw (circular - wood)		
Gear Cutter			Saw (jig)		
Grinding Machine			Saw (power - rip)		
Hobber			Saw (radial)		
Jointer			Saw (swing)		
Lathe (engine)			Screw Machine		
Lat[illegible]ret)			Shaper (metal)		
Lathe (woodworking)			Shaper (wood)		
Manual Arc Cutting Unit			Shears		
Manual Arc Welding Unit			Slicer		
Mixer			Other *(Note in Remarks)*		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other *(Note in Remarks)*
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other *(Note in Remarks)*	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) C. S. Butler

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

Special JOD JW

Page 1 of ____

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-402-4	K-402-4 Pump Change	01	51	01	40	40	3-22-(
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIO
Auto. Sprinkler System			Fire Extinguishers 11	2	
Emergency Exits			Protective Equip. Supply	35	
Emergency Station			P. A. System		
Evacuation Alarm 1	1		Safety Showers		
Eye Baths			Standpipes		
Fire Alarm Boxes 11	2		Other (Note in Remarks)		
Fire Doors					

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Poste
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILD	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-402-4	K-402-4 Pump Change	01	51	02	30	27	
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	6	1(6-1) (6-8) (6-17)	Radiating Surfaces	4	
Illumination	6		Traffic Control	4	
Material Containment	6	2(6-8) rags, pipes, Rods Etc	Ventilation	4	
Radiation			Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Are
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:
1. Rags In Bay

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AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) J. P. Jones

01 - Fixed Protection
02 - Environmental Control

391-375-95-15

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-402-4	K-402-4 Pump Change	01	51	03	20	19	3-22-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART-REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART-REASON)
Cat			Ladder (stationery)		
Exit	4		Platforms		
Floors	4		Scaffolds		
Furniture			Stairs	4	
Ladder (portable)	8	1(15-9)	Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-402-4	K-402-4 Pump Change	01	51	04	2	0	3-22-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART-CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Fluorine			Steam (Bldg Ht - Below 15 psig)		
Hydrofluoric Acid			Steam (Low Pressure - 15-250 psig)		
Natural Gas			Steam (High Pressure - above 250 psig)		
Pyrofox			Oil, Coolant Other (Note in Remarks)	2	2(5-14)

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums - Buckets	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) J. P. Jones

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-402-4	402-4 Pump Change	01	51	05	20	16	3-22-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEMS INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)	4	
Corded Equipment	10	2 (8-5)
Utilization Equipment		
High Voltage Equipment (Above 480 Volts)		
Disconnects	6	2 (13-7)
Rotating Equipment		
Other *(Note in Remarks)*		

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other *(Note in Remarks)*

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
5. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-402-4	K-402-4 Pump Change	01	51	06	85	65	3-22-2
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	20	4 (4)	Use of Safe Attire	16	
Use of Tools	10		Use of Personnel Protective Devices	16	6 (15) 4 (26)
Use and Maintenance of Machines & Equipment			Work Habits (19)	10	use of receptacles ? (29
Use of Ionizing Radiation Sources	6		Valve of gas	7	6 (11)

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion side pull
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. ~~Machine~~ Left Running Unattended Oxyacetylene
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel Enclosure, when Unsafe Because of Temperatu Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

-329-

AUDITED BY (SIGNATURE) W P Ellis

REVIEWED WITH (SIGNATURE) J. P. Jones

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-4024	402-F Pump Change	01	51	07	54	53	3-22-(
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE OF TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Elec Powered	4	
Hand	40	1(9-10)
Hydraulic	10	
Pneumatic Powered		
Powder Actuated		

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remar
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
				08	55	55	
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION
Conveyor			Power Truck	1	
Chain Hoist	20		Tractor		
Electric Hoist	2		Plant Railway		
Winch or Tugger			Skid		
Sling	10		Pallet		
Lifting Fixture			Bicycle		
Dolley	20		Bus		
Handtruck			Passenger Car		
Wheelbarrow			Motor Truck		
Fork Truck	2		Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Crossing Signals	25. Hitches	39. Other (Note in Remarks)
12. C[illegible] Signs	26. Hooks	
13. D[illegible] Control	27. Horn	
14. De[illegible]	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE) J. P. Jones

07 - Power Tools

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
4024	402-4 Purge Change	01	51	09	30	30	3-22-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIO
Acetylene Tank			Freon Tank		
Air Receivers			HF Tank		
Boilers			UF_6 Containers		
Compressed Gas Cylinders	30		Water Storage Heaters		
Fluorine Tank			Other *(Note in Remarks)*		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other *(Note in Remarks)*
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other *(Note in Remarks)*	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE) W P Ellis

REVIEWED WITH (SIGNATURE) J. P. Jones

09 - Pressure Vessels &

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
3024	K-402-4 Pump Change	01	51	10	45	35	3-22-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Au. .ic Arc Cutting Unit			Oxygen-Arc Cutting Unit	7	2(19-2)
Automatic Arc Welding Unit			Paper Cutter		
Bench or Pedestal Grinder			Planer (metal)		
Blower			Planer (wood)		
Boring Mill			Power Press		
Centrifuge			Press Brake		
Compressor			Pulverizer		
Crusher			Pump		
Diesels (stationary)			Saw (band - metal)		
Drill Press			Saw (band - wood)		
Fans	6		Saw (circular - metal)		
Forming Rolls			Saw (circular - wood)		
Gear Cutter			Saw (jig)		
Grinding Machine			Saw (power - rip)		
Hobber			Saw (radial)		
Jointer			Saw (swing)		
Lathe (engine)			Screw Machine		
Lathe (turret)			Shaper (metal)		
Lathe (woodworking)			Shaper (wood)		
Manual Arc Cutting Unit 3			Shears		
Manual Arc Welding Unit 16 2	32	1 (2-2) 7 (20-7)	Slicer		
Mixer			Other (Note in Remarks)		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS: 1. Fan jacked against cart with gloves, respirators plastic ce

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AUDITED BY (SIGNATURE) W P Ellis

REVIEWED WITH (SIGNATURE) G. G. Jones

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

{6 pages 1:30

Annual (formerly 402-9) ~~O.J. Crotts~~ ② Rearda file JW

FIXED PROTECTION
(Personnel - Fire)

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-402-4	Instrument Maintenance Shop	01	01	01	6	6	3/20/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto Sprinkler System	1		Fire Extinguishers	1	
Emergency Exits	2		Protective Equip. Supply	1	
Emergency Station	—		P. A. System	—	
Evacuation Alarm	—		Safety Showers	—	
Eye Baths	—		Standpipes	—	
Fire Alarm Boxes	1	#533-5	Other (Note in Remarks)	—	
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILD.	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-402-4	Instrument Maintenance Shop	01	01	02	8	8	3/20/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	2		Radiating Surfaces	1	—
Illumination	2		Traffic Control	—	
Material Containment	2		Ventilation	1	
Radiation	—		Other (Note in Remarks)	—	

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Area
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE) 21-25 5-5

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
402-4	Instrument Maintenance Shop	01	01	03	5	5	3/20/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART-REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART-REASON)
Cat	—		Ladder (stationery)	—	
Exit	2		Platforms	—	
Floors	2		Scaffolds	—	
Furniture	1		Stairs	—	
Ladder (portable)	—		Other *(Note in Remarks)*	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other *(Note in Remarks)*
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other *(Note in Remarks)*	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
402-4	Instrument Maintenance Shop	01	01	04	2	2	3/20/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART-CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Fluorine	—		Steam (Bldg Ht - Below 15 psig)	1	
Hydrofluoric Acid	—		Steam (Low Pressure - 15-250 psig)	—	
Natural Gas	—		Steam (High Pressure - above 250 psig)	—	
Pyrofax	—		Other *(Note in Remarks)*	1	40# air

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other *(Note in Remarks)*	8. Indistinct	17. Other *(Note in Remarks)*
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE) | REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
402-4	Instrument Maintenance Shop	01	01	05	4	3	3/20/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)	—	
Corded Equipment	2	1(8-5)
Utilization Equipment	2	
High Voltage Equipment (Above 480 Volts)	—	
Disconnects	—	
Rotating Equipment	—	
Other (Note in Remarks)	—	

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
5. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
402-4	Instrument Maintenance Shop	01	01	06	5	5	3/20/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	1		Use of Safe Attire	1	
Use of Tools	1		Use of Personnel Protective Devices	1	
Use and Maintenance of Machines & Equipment	—		Work Habits	1	
Use of Ionizing Radiation Sources	—				

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
402-4	Instrument Maintenance Shop	01	01	07	5	5	3/20/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Elec. Powered	1	
Hand	4	
Hydraulic	—	
Pneumatic Powered	—	
Powder Actuated	—	

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
402-4	Instrument Maintenance Shop	01	01	08	2	2	3/20/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor	—		Power Truck	—	
Chain Hoist	—		Tractor	—	
Electric Hoist	—		Plant Railway	—	
Winch or Tugger	—		Skid	—	
Sling	—		Pallet	1	
Lifting Fixture	—		Bicycle	—	
Dolley	1		Bus	—	
Handtruck	—		Passenger Car	—	
Wheelbarrow	—		Motor Truck	—	
Fork Truck	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Crossing Signals	25. Hitches	39. Other (Note in Remarks)
12. Cr[illegible] Signals	26. Hooks	
13. D[illegible] Control	27. Horn	
14. Dec[illegible]	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

[illegible]

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
402-4	Instrument Maintenance Shop	01	01	09	2	2	3/28/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62/67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIC
Ace. Tank	—		Freon Tank	—	
Air Receivers	—		HF Tank	—	
Boilers	—		UF_6 Containers	—	
Compressed Gas Cylinders	2		Water Storage Heaters	—	
Fluorine Tank	—		Other *(Note in Remarks)*	—	

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other *(Note in Remarks)*
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other *(Note in Remarks)*	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
402-4	Instrument Maintenance Shops	01	01	10	2	2	3/20/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Au[illegible]c Arc Cutting Unit	—		Oxygen-Arc Cutting Unit	—	
Automatic Arc Welding Unit	—		Paper Cutter	—	
Bench or Pedestal Grinder	1		Planer (metal)	—	
Blower	—		Planer (wood)	—	
Boring Mill	—		Power Press	—	
Centrifuge	—		Press Brake	—	
Compressor	—		Pulverizer	—	
Crusher	—		Pump	—	
Diesels (stationary)	—		Saw (band - metal)	—	
Drill Press	1		Saw (band - wood)	—	
Fans	—		Saw (circular - metal)	—	
Forming Rolls	—		Saw (circular - wood)	—	
Gear Cutter	—		Saw (jig)	—	
Grinding Machine	—		Saw (power - rip)	—	
Hobber	—		Saw (radial)	—	
Jointer	—		Saw (swing)	—	
Lathe (engine)	—		Screw Machine	—	
Lathe (turret)	—		Shaper (metal)	—	
Lathe (woodworking)	—		Shaper (wood)	—	
Manual Arc Cutting Unit	—		Shears	—	
Manual Arc Welding Unit	—		Slicer	—	
Mixer	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

AUDITED BY (SIGNATURE) Neil B. Schmitt

REVIEWED WITH (SIGNATURE) C. S. Butler

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

JW

Page 1 of ____

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-402-5	Pump + Compressor Inlet chamber	01	51	01	57	57	5-1-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Auto. Sprinkler System			Fire Extinguishers	4	
Emergency Exits			Protective Equip. Supply	50	
Emergency Station			P. A. System		
Evacuation Alarm	1		Safety Showers		
Eye Baths			Standpipes		
Fire Alarm Boxes	2	Light out on one	Other (Note in Remarks)		
Fire Doors					

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Postec
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILD..	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO SATISFACTORY	DATE
				02	30	23	5-1-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	6	2(6-8) Rags - covered Pieces of Pipe debris	Radiating Surfaces	2	
Illumination	5		Traffic Control	2	
Material Containment	10	5(6-8) Out Equipment Not Used	Ventilation	5	
Radiation			Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Arec
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

338-292 268-160

-339-

AUDITED BY (SIGNATURE) W.L.P. Eno.

REVIEWED WITH (SIGNATURE) M. H. Lindsay

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1025	Pump change + converter Inlet	01	51	03	25	25	5-1-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART-REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART-REASON)
Cat			Ladder (stationery)		
Exit	8		Platforms	2	
Floors	5		Scaffolds		
Furniture	X		Stairs	2	
Ladder (portable)	8		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1025	Pump + converter Inlet change	01	51	04			
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART-CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Fluorine			Steam (Bldg Ht - Below 15 psig)		
Hydrofluoric Acid			Steam (Low Pressure - 15-250 psig)		
Natural Gas			Steam (High Pressure - above 250 psig)		
Pyrofax			Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE) M H Lindsey

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-402-5	Pump + converter Inlet Chang	01	51	05	40	24	5-1-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEMS INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)	1	
Corded Equipment	35	16 (8-6)
Utilization Equipment	21	
High Voltage Equipment (Above 480 Volts)		
Disconnects		
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY	
1. Boxes	9. Insulation
2. Conduit	10. Plugs
3. Connectors	11. Receptacles
4. Breaker	12. Safety Switch
5. Grounds	13. Switch
6. Ground Mats	14. Warning Signs
7. Identification	15. Other (Note in Remarks)
8. Inspection Date and Tag	

UNSATISFACTORY CONDITION	
1. Broken	6. Does Not Meet Plant Specifications
2. Cracked	7. Not Provided
3. Damaged	8. Ungrounded
4. Deteriorated	9. Unguarded
5. Identification	

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-402-5	Pump + converter Inlet change	01	51	06	268	160	5-1-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	10	1(4) 1(31)	Use of Safe Attire	20	
Use of Tools	6		Use of Personnel Protective Devices	213	1(15) 108(25)
Use and Maintenance of Machines & Equipment			Work Habits	20	
Use of Ionizing Radiation Sources					

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas
31. Side Pull

REMARKS:

AUDITED BY (SIGNATURE) W. P. Foo.

REVIEWED WITH (SIGNATURE) W. H. Lindsell

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
402-5	Pump + Converter Inlet Charge	01	51	07	60	58	5-1-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered	8	
Hand	39	2 (9-10)
Hydraulic	12	
Pneumatic Powered	7	
Powder Actuated		

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
402-5	Pump + Converter Charge	01	51	08	73	67	5-1-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor			Power Truck	1	
Chain Hoist	1		Tractor		
Electric Hoist	2		Plant Railway		
Winch or Tugger	35		Skid		
Sling	29	6 (35-6)	Pallet		
Lifting Fixture			Bicycle		
Dolley	2		Bus		
Handtruck	3		Passenger Car		
Wheelbarrow			Motor Truck		
Fork Truck			Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Crossing Signals	25. Hitches	39. Other (Note in Remarks)
12. C[illegible] Signs	26. Hooks	
13. D[illegible]n Control	27. Horn	
14. Dec[illegible]	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) W. T. Luckett

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-412-5	Pump & Converter Inlet Change	01	51	09	24	21	5-1-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITIO
Acetylene Tank			Freon Tank		
Air Receivers			HF Tank		
Boilers			UF_6 Containers		
Compressed Gas Cylinders	24	3 (11-18)	Water Storage Heaters		
Fluorine Tank			Other (Note in Remarks)		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other (Note in Remarks)
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other (Note in Remarks)	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) W. H. Luckett

09 - Pressure Vessels & Gas Cylinders

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-402-5	Pump & converter Inlet Change	01	51	10	29	17	5-1-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Autom...c Arc Cutting Unit			Oxygen-Arc Cutting Unit	12	2 (19-2)
Automatic Arc Welding Unit			Paper Cutter		
Bench or Pedestal Grinder			Planer (metal)		
Blower			Planer (wood)		
Boring Mill			Power Press		
Centrifuge			Press Brake		
Compressor			Pulverizer		
Crusher			Pump		
Diesels (stationary)			Saw (band - metal)		
Drill Press			Saw (band - wood)		
Fans	11	5 (8-3)	Saw (circular - metal)		
Forming Rolls			Saw (circular - wood)		
Gear Cutter			Saw (jig)		
Grinding Machine			Saw (power - rip)		
Hobber			Saw (radial)		
Jointer			Saw (swing)		
Lathe (engine)			Screw Machine		
Lat... ret)			Shaper (metal)		
Lathe (woodworking)			Shaper (wood)		
Manual Arc Cutting Unit			Shears		
Manual Arc Welding Unit	16	5 (20-7) (2-3)	Slicer		
Mixer			Other (Note in Remarks)		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) W. H. Luckett

JW

ALPHA CONTAMINATION AUDIT REPORT

Location K-27 Inst. Shop (K-402-5) Date 12-12-61

Supervisor in Charge C.S. Butler. Total Work Area 800 ft²

Operations in Progress No shop work in progress.

Protective Measures in Force —

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	0	
	Area Factor (Total)	0	
	Area Factor (Wipe)	0	

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Floor Area					200	<100
Tables & Benches					300	<100

	Range Surface	(c/m) Wipe	Weighting Factor	
Class 0	*	–	0	Total ft²
Class I	500-2000	100-500	1	
Class II	2000-10,000	500-2000	5	
Class III	> 10,000	> 2000	20	
			Grand Total (ft²)	

B+7 P.A.L.

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

JW

ALPHA CONTAMINATION AUDIT REPORT (3063) (K402-5)

Location ~~K-27~~ Inst. Shop Lunch Area Date 12-12-61

Supervisor in Charge C.S. Butler Total Work Area 800 ft^2

Operations in Progress —

Protective Measures in Force —

SUMMARY:

ALPHA CONTAMINATION		This Survey	Last Survey
	Index	0	
	Area Factor (Total)	0	
	Area Factor (Wipe)	0	

SPECIFIC LOCATION	Area (ft^2) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Floor Area					200	<100
Table & Benches					<100	<100

	Range Surface	(c/m) Wipe	Weighting Factor	
Class 0	*	–	0	Total ft^2
Class I	500-2000	100-500	1	
Class II	2000-10,000	500-2000	5	
Class III	> 10,000	> 2000	20	
			Grand Total (ft^2)	

B-7 P.A.L.

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

Maintenance Jobs K-27

HEALTH PHYSICS AND SAFETY JOB AUDIT REPORT

cation K-402-5 Pump and Converter Inlet Change Date May 1 and 2, 1961

Supervisor in Charge W. H. Luckett Job Work Area 150 ft^2

Operations in Progress Pump and Converter Inlet Change

Protective Measures in Force Shoes, coveralls, eye protection, respirators or assault masks

SUMMARY:

	Start of ~~Before~~ Job	Near the end of ~~After~~ Job
Alpha Contamination Index (based on estimated work area)	5.2	10

Contaminated Area Identified: Yes _____ No _____

Area Cleaned Up by Employees: Before Job _____ After Job _____

Decontamination Request Issued: Yes _____ No _____

Radiation

Time Taken	INTENSITY (mrep/hr) MAXIMUM READING Contact $\beta+\gamma$	Contact γ	1 Foot $\beta+\gamma$	1 Foot γ
Before				
During	14		6	
After				

Film Badges: $\frac{\text{No. Wearing}}{\text{No. Involved}}$ = _____ or _____ %

Film badge covers: $\frac{\text{No. Wearing}}{\text{No. Badges}}$ = _____ or _____ %

Work time limits established: Yes _____ No _____

Air Activity

	Specific Location (Give Distance From Equipment Where Applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
Before Job							
During Job	(SEE ATTACHED SHEET)						
During Job							
During Job							
During Job							
During Job							
During Job							
During Job						During Decision of	
During Job						After PAL air.	
After Job							
SUMMARY	No. Taken	60				No. Wearing 47	Total Act. 4187
	No. > P.A.L.	13	For Samples >. P.A.L.			No. Present 48	Vol 3068
	% > P.A.L.	21				% 98	Av. 1.36

PERSONNEL CONTAMINATION

Name	Badge No.	Personnel Wearing: Eye Protection	Personnel Wearing: Film Badge	When Checked	Contamination-(C/M) (mrep/hr): Hands	Shoes: Personal	Shoes: Issue	Clothing: Personal	Clothing: Issue	Remarks Reference Number	Respirator Filter	Glov
					<100		200		150	700		
					<100		300		<100	<100		
					<100		200		<100	-		
					<100		600		400	650		190
					<100		300		<100	600		160
					<100		<100		150	150		70C
					<100		200		400	200		70C
					<100		200		600	300		10C
					200		<100		<100	150		10
TOTALS	No. Wearing			No. > P.A.L.	0		0		0	TOTAL: No. > P.A.L. 0		
	No. Checked			No. Checked	9		9		9	No. Checked 9		
	% Wearing			% > P.A.L.	0		0		0	% > P.A.L. 0		

Number of Persons Checking Hands Before Eating, Smoking, or Drinking: $\frac{\text{Number}}{\text{No. Involved}}$ = _____ or _____ %

Hand Counter Located in Building _____ . Calibrated: Yes _____ No _____

REMARKS It may be noted that high air activity occurred in cells #1 and #2 simultaneously during the period of cutting out pipe and removing pumps. The purge was good for the most part, with visible fog being noted on two short periods when cutting into #2 converter and when pumps were removed in the escape alley. Similar peak activity was noted during these periods on the constant air monitor. Pipes were blanked off immediately in most instances and, except for a single instance where a pipe was cut, all samples were below 1 c/m/ft^3 soon after 10:00 AM. Recommend that respirators be worn until equipment is cut out and blanked off. Thereafter wear respirators when system is open or when cutting and welding on contaminated equipment. With the fans blowing through the cells from the withdrawal alley to the escape alley and other fans blowing up from the escape alley and out through roof ventilators, air activity in the withdrawal alley is negligible beyond the motor platforms. Respiratory usage was best among welder and was poorest among instrument men and electricians.

Operating or Service Supervisor _____ Auditor W. P. Ell[illegible] Date _____

SP-11 (2-58) Safety and Health Physics RC

PRELIMINARY INCIDENT REPORT

TO: ~~Mr. J. C. Worthington~~ JCW ~~Mr. A. F. Becher~~ AFB		DATE: 5-5-61 TIME:
TYPE OF INCIDENT: Cell Change	DATE OCCURRED: 5-1 and 2-61	DATE REPORTED:
NAME OF EMPLOYEE:	BADGE NUMBER:	OCCUPATION:
SUPERVISOR:	DEPARTMENT:	LOCATION:

DESCRIPTION OF INCIDENT

DIAGNOSIS AND/OR FINDINGS

BADGE READING	GAMMA mr	BETA mrep	EFFECTIVE DOSE mr
DISPOSITION: ☐ Regular Work ☐ Modified Work		RESTRICTION:	
SENT HOME: ☐ Yes ☐ No	TIME OFF: ☐ Yes ☐ No	REFERRED TO OUTSIDE MEDICAL: ☐ Yes ☐ No	

PRELIMINARY INVESTIGATION

(FOR USE BY SAFETY ENGINEER)

ANTICIPATED ACCIDENT CLASS: ☐ Major ☐ Minor ☐ Non-Tab ☐ Other

NOTIFIED SUPERVISOR	NOTIFIED DEPARTMENT HEAD	NOTIFIED DIVISION SUPERINTENDENT

INVESTIGATION: A meeting was held in the K-27 Process Office to discuss the health physics practices and conditions noted during cell changes and was attended by Messrs. L. W. Anderson and G. B. Young of the Production Division, J. P. Jones and W. H. Luckett of Production Maintenance and A. F. Becher, J. C. Worthington, and W. P. Ellis of the Industrial Relations Division. The following recommendations or practices will be adopted:

1. Production will continue efforts to improve the system purge.

2. All employees will be required to wear respirators for 2 hours after the start of a job and at other times when the system is open.

3. All openings into the system or contaminated pumps, pipes, converters, etc. will be blanked off immediately after being removed.

UCN-695 (123 9-59) WPE:erc 5-11-61 (OVER)

SAFETY ENGINEER: W. P. Ellis

JOB: K-402-5 CELL ONE AND TWO - PUMP AND CONVERTER INLET CHANGE. DATE: May 1, 1961

LOCATION AND ACTIVITY		Sample Number	Sample Duration	Sample Volumn	Total Counts	C/M/Ft^3	No. Using Resp. Prot. / No. Present	No. Using Eye Prot. / No. Present
Cell #1	Cutting out #2 Conv	HPX-240	10	15	18	0.12	1/1	1/1
	Cutting out #1 Conv	HPX-242	8	18	28	0.19	1/1	1/1
	Cutting out #3 Conv	HPX-245	6	8	586	12.22	1/1	1/1
	Cutting #1 lines	HPX-243	5	10	500	10.00	4/4	4/4
	Cutting #1 Cool.Lin.	HPX-244	6	8	452	9.42	2/2	2/2
	Cutting #4 Conv.	HPX-246	10	12	242	2.02	4/4	4/4
	Cutting #2 Conv.	HPX-247	3	10	738	24.61	4/4	4/4
	Cutting #2 Conv.	HPX-248	5	8	231	5.77	4/4	4/4
	Cutting out 2B Pump	HPX-250	3	8	103	4.29	1/1	1/1
	Cutting out 6A Pump	HPX-249	3	8	77	3.21	2/2	- -
	Cutting out 2B Pump	HPX-251	5	8	65	1.63	1/2	1/2
	Cut. 5A outlet line	HPX-258	3	8	37	1.54	1/1	1/1
	Moving out pumps	HPX-259	9	12	186	1.72	-	-
	#5 Converter(no Weld)	HPX-260	7	13	169	1.86	1/1	1/1
	C-7 Withdrawal Alley	HPX-261	7	15	7	0.07	-	-
	Inside Cell(No Weld)	HPX-262	5	15	2	0.03	-	-
	Welding Pipe	HPX-263	5	15	5	0.07	-	-
	Cut End of Conv.	HPX-264	10	15	88	0.59	3/3	3/3
	Motor Alley C-7	HPX-265	10	12	2	0.02	-	-
	Withdrawal Alley C-10	HPX-266	10	12	2	0.02	-	-
	Cut #3 Conv. Lines	HPX-267	10	15	101	0.67	3/3	3/3
	Welding Line Pump#5	HPX-268	8	16	10	0.08	0/2	2/2
	" " "	HPX-269	7	16	9	0.08	0/1	1/1
	Weld in #1 Conv Line	HPX-270	9	15	10	0.07	3/4	3/4
5-2-61	Weld in Conv. Lines	HPX-294	2	18	2	0.05	0/2	2/2
	" " " "	HPX-295	2	18	2	0.05	0/2	2/2
	" " " "	HPX-296	2	18	1	0.03	0/3	3/3
	Withdrawal Alley	HPX-297	3	18	1	0.02	0/0	0/0
	Motor Plat.	HPX-298	3	17	2	0.04	0/0	0/0
	" " "	HPX-299	3	16	1	0.02	0/0	0/0
Cell #2	Cut out #6 Conv.	HPX-252	3	11	41	1.24	2/3	3/3
	Pull Pump Esc.Alley	HPX-253	2	10	66	3.30	7/7	2/7
	" #2 " " "	HPX-254	1	10	76	7.60	9/9	3/9
	" #3 " " "	HPX-255	1	10	18	1.80	6/6	4/6
	Cut out Conv.	HPX-256	1.5	10	39	2.60	2/2	2/2
	Remove pump-Esc.Alley	HPX-257	1	5	42	8.41	4/5	3/5
	Installing Pump	HPX-241	3	18	4	0.07	7/12	4/12
	Cut Conv. Inlet.Remov	HPX-280	3	14	5	0.12	2/3	3/3
	" " " pip	HPX-281	3	10	15	0.50	3/3	3/3
	Instal. Pump/Cut pipe	HPX-282	4	14	186	3.32	3/3	3/3
	Cut Conv. Head	HPX-283	3	16	2	0.04	3/3	3/3
	Weld in Pump #2	HPX-284	3	14	4	0.10	3/4	2/4
	Removing Pipe Fm Cell	HPX-285	3	14	1	0.02	2/2	2/2
	Withdrawal Alley	HPX-286	3	16	1	0.02	0/5	0/5
	" "	HPX-287	3	17	2	0.04	0/6	0/6
	Welding in Pipe & Con	HPX-288	2	15	2	0.07	1/4	3/5
	" " " & Conv	HPX-289	2	15	1	0.03	0/4	2/4
	" " " "	HPX-290	2	13	1	0.04	1/4	4/4
	Inst. Pump. Esc. Alley	HPX-291	2	16	1	0.03	0/12	6/12
	" " " "	HPX-292	2	18	1	0.03	1/12	6/12
	" " " "	HPX-293	2	18	2	0.06	1/10	6/10
	TOTALS			3968	4187	1.36	47/48	108/165
	% for samples above the PAL					21%	98%	65%

RADIATION MONITORING AND CONTROL REPORT

Division: Maintenance
Department: K-1402-V Cell 1 and 2 Change
Location:

Date: 5-1-61
Checked by: B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft²	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft³)	Alpha Counts/min/ft³
Cell enclosure										
floors	32	1250	200					8:30 AM	*	3.34
								9:00	*	33.36
System readings				17	—	—		9:30	*	1.22
								10:00	*	1.46
								10:30		0.87
								11:00		0.09
Air samples								11:30		0.49
were taken in								12:00 PM		0.48
escape alley								12:30		0.17
between Cells 1 and 2								1:00		0.13
								1:30		0.10
								2:00		0.13
								2:30		0.16
								3:00		0.33
								3:30		0.08

Safety and Health Physics
MAY 12 PM 4:03

Action Taken: * Respirator use was 100% during this time. System was cut into at 8:45 AM. The prompt covering & removal equipment was good. Below are some of the other observations (over)

DISTRIBUTION: 1st Copy - Radiation Hazards and Safety Department K-25RC
2nd Copy - Divisional Files

Approved: W. H. Luckett
Operating Supervisor

WCX-2191 (11-53) K-25RC Safety & Health Physics Section

-352-

RADIATION MONITORIN ND CONTROL REPORT

Division Maintenance
Department 1002
Location K-402-5 Cells 3 and 4 Change

Date 4-26-61 JW
Checked by B C Burell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
									12	
									Pit	
Work Area Floors	160	2000	250						4:03	
System (inside)				12	—	—				
								8:30 AM		0.01
								9:00	**	20.06
								9:30		0.30
								10:00		0.06
							*	10:30		0.02
								11:00		0.00
								11:30		0.06
								12:00 PM		0.07
								12:30		0.02
								1:00		0.06
								1:30		0.02

Safety and Health Physics

Action Taken: * These samples were taken in withdrawel alley adjacent to Cell #4.
** This activity probably resulted from a release of gas of short duration. The system was cut into at 8:45 AM.

(over)

Approved W. H. Luckett
Operating Supervisor

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2nd Copy - Divisional Files

WCX-2191 (11-53) K-25RC Safety & Health Physics Section

RADIATION MONITORIN ND CONTROL REPORT

Division Maintenance
Department 7002
Location 402-5 Cells 5 and 6 Change

Date 4-19-61 JW
Checked by BC Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
Work area floor after equipment removal	300	1850	300							
equipment openings				8.5	—	—				
Lt withdrawal alley adjacent to Cell 6									*	3.02

1961 APR 12 PM 4:23
Safety and Health Physics

Action Taken: * This is the average alpha air activity for 7½ hours of day shift monitoring.

(over)

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WCX-2191 (11-53) K-25RC Safety & Health Physics Section

Approved W. H. Luckett
Operating Supervisor

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A discussion of this report with Mr W.H. Luckett of Maintenance and Mr L.W. Anderson of Operations resulted in the following actions for future jobs of this type:

(A) Reinstructed Maintenance personnel in the use of respiratory equipment.

(B) Another look at equipment Wrappers.

(C) Better use of Decontamination Service Personnel

(D) Restudy of air movement.

BCBurell

RADIATION MONITORIN ND CONTROL REPORT

Division Maintenance
Department 1000
Location K-1002-5 Change House

Date 4-13-61
Checked by B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
floor area		200	<100							
equipment		200	<100	<P.A.L.						

Safety and Health Physics
1961 APR 12 PM 4:04

Action Taken: None Necessary. 2 Checked & Pat radiation on hands, shoes, clothes
2 Total Personnel Checked

(over)

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2nd Copy - Divisional Files

WCX-2191 (11-53) K-25RC Safety & Health Physics Section

Approved W. H. Luckett
Operating Supervisor

RADIATION MONITORIN .ND CONTROL REPORT

Division Maintenance
Department 1003
Location 402-5 Cell 9 and 10

Date 4-11-61 JW
Checked by B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
escape alley floor	10	1200	150							
Withdrawal alley floor	12	950	<100							
Cell enclosure floor	16	1850	300							
system				13	4	—				
in escape alley between Cells 9 & 10							M-140	9:08	100	1.6
escape alley between Cells 9 & 10						*	M-141	9:33	210	72.0

Action Taken: *Mechanics and Welders who did not evacuate wore respiratory equipment during this release of gas. The blank off of equipment was good. (over)

Approved W. H. Luckett
(Operating Supervisor)

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WCX-2191 (11-53) K-25RC Safety & Health Physics Section

Below are some on the job observations during cutting away and removal of equipment:

8/9 Mechanics Wore respiratory equipment Total Personnel Checked

5/5 Welders Wore respiratory equipment Total Personnel Checked

6/9 Mechanics Wore eye glasses T.P.C.

13/13 Checked <Pol radiation on hands, shoes, & gloves T.P.C.

With the exception of one (1) Mechanic - who was smoking - No smoking eating or drinking was noted on job.

The occurance of the material release was pointed out to Operation's Supervisory People - who said they would take another look at their purge activities.

B C Burrell

RADIATION MONITORING AND CONTROL REPORT

Division Maintenance
Department 1902
Location K-1402-5 Change House

Date 3-23-61 JW

Checked by B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
		Surface	Wipe	Surface	1 ft	Distance (ft)				
floor area		300	<100	Pal						
equipment		250	<100	L						

Action Taken: None Necessary. 2 Check of <PAL reading on hands, shoes, clothes
2 Total Personnel Checked

(over)

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WCX-2191 (11-53) K-25RC Safety & Health Physics Section

Approved W. H. Luckett
Operating Supervisor

RADIATION MONITORING AND CONTROL REPORT

Division: Maintenance
Department: 902
Location: K-902-5 seal storage area

Date: 2-16-61
Checked by: B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
floor area		200	<100							
seal cans		5000	450							

Action Taken: None Necessary.

(over)

Approved: W. H. Luckett
Operating Supervisor

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2nd Copy - Divisional Files

WCX-2191 (11-53) K-25RC Safety & Health Physics Section

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RADIATION MONITORIN. .ND CONTROL REPORT

Division Maintenance
Department
Location K-1066-2-V Change House

Date 2-16-61 Jw
Checked by BC Burnell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
Floor area		250	<100							
Equipment		250	<100	nd						

Action Taken: None Necessary
2 Checked <50 Pal radiation on hands, shoes, clothes
3 total Per. Checked

(over)

Approved W. H. Luckett
Operating Supervisor

DISTRIBUTION: 1st Copy - Radiation Hazards and Safety Department K-25RC
2nd Copy - Divisional Files

WCX-2191 (11-53) K-25RC Safety & Health Physics Section

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

Office 1, JW
(1) Records file

FIXED PROTECTION
(Personnel - Fire)

Special Inspection

Page 1 of ____

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-402-5	Pump Change	01	51	01	35	35	4-20-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Auto. Sprinkler System			Fire Extinguishers	7	Refill used extinguishers
Emergency Exits			25 Protective Equip. Supply	25	
Emergency Station			P. A. System		
Evacuation Alarm	1		Safety Showers		
Eye Baths			Standpipes		
Fire Alarm Boxes	2		Other (Note in Remarks)		
Fire Doors					

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-402-5	Pump Change	01	51	02	10	8	4-20-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	3	1 (6-8) (6-21)	Radiating Surfaces		
Illumination	3		Traffic Control		
Material Containment	4	1 (6-21)	Ventilation		
Radiation			Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Area
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks) cardboard Box
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

-362- 295-685 73-61

AUDITED BY (SIGNATURE) [illegible]

REVIEWED WITH (SIGNATURE) [illegible]

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-402-5	Pump Change	01	51	03	22	22	4-2-67
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART-REASON)	SURFACES CHECKED		NO. UNSATISFACTORY (PART-REASON)
Cat			Ladder (stationery)		
Exit	6		Platforms		
Floors	6		Scaffolds		
Furniture			Stairs		
~~IIII~~ Ladder (portable)	8		Other (Note in Remarks)		1

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-402-5	Pump Change	01	51	04			
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART-CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Fluorine			Steam (Bldg Ht - Below 15 psig)		
Hydrofluoric Acid			Steam (Low Pressure - 15-250 psig)		
Natural Gas			Steam (High Pressure - above 250 psig)		
Pyrofax			Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE) P. Sonn

REVIEWED WITH (SIGNATURE) [illegible]

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-402-5	Pump Storage	01	51	05	23	12	4-20-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Corded Equipment	23	11 (8-6)
Utilization Equipment		
High Voltage Equipment (Above 480 Volts)		
Disconnects		
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
6. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-402-5	Pump Storage	01	51	06	23	61	4-20-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	4	1 (31) ?
Use of Tools	4	
Use and Maintenance of Machines & Equipment		
Use of Ionizing Radiation Sources		

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Use of Safe Attire	15	
Use of Personnel Protective Devices	20	8 (25)
Work Habits	20	4 (32) ?

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn (31) Side Shield
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn (32) Cylinders not valved
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-402-5	Pump Change	01	51	07	41	40	4-20-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Elec. Powered	7	1 (K-14)
Hand	31	
Hydraulic	3	
Pneumatic Powered		
Powder Actuated		

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-402-5	Pump Change	01	51	08	66	64	4-20-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor			Power Truck		
Chain Hoist	1		Tractor		
Electric Hoist			Plant Railway		
Winch or Tugger	30		Skid		
Sling	20		Pallet		
Lifting Fixture			Bicycle		
Dolley	12		Bus		
Handtruck	2		Passenger Car		
Wheelbarrow			Motor Truck		
Fork Truck	1		Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Crossing Signals	25. Hitches	39. Other (Note in Remarks)
12. C[illegible] Signs	26. Hooks	
13. D[illegible]n Control	27. Horn	
14. Dec[illegible]	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) W. H. Luckett

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1025	Pump Change	01	51	09	35	35	4-20-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITIO
Acet. Tank			Freon Tank		
Air Receivers			HF Tank		
Boilers			UF_6 Containers		
1542 Compressed Gas Cylinders	35		Water Storage Heaters		
Fluorine Tank			Other *(Note in Remarks)*		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other *(Note in Remarks)*
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other *(Note in Remarks)*	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Elkins

REVIEWED WITH (SIGNATURE) W. N. Luckett

09 - Pressure Vessels & Gas Cylinders

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-402-5	Pump Change	01	51	10	63	50	4-28-(
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Arc Cutting Unit			Oxygen-Arc Cutting Unit	22	1 (19-2)
Automatic Arc Welding Unit			Paper Cutter		
Bench or Pedestal Grinder			Planer (metal)		
Blower			Planer (wood)		
Boring Mill			Power Press		
Centrifuge			Press Brake		
Compressor			Pulverizer		
Crusher			Pump		
Diesels (stationary)			Saw (band - metal)		
Drill Press			Saw (band - wood)		
Fans	10	1 (19-5)	Saw (circular - metal)		
Forming Rolls			Saw (circular - wood)		
Gear Cutter			Saw (jig)		
Grinding Machine			Saw (power - rip)		
Hobber			Saw (radial)		
Jointer			Saw (swing)		
Lathe (engine)			Screw Machine		
Lathe (turret)			Shaper (metal)		
Lathe (woodworking)			Shaper (wood)		
Manual Arc Cutting Unit			Shears		
Manual Arc Welding Unit	31	11 (20-7) 3 (2-3)	Slicer		
Mixer			Other (Note in Remarks)		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) W. H. Luckett

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

① JCW
② Records File JW

Page 1 of

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-4025	Pump change job	01	51	01	51	51	4-12-(
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIO
Auto. Sprinkler System			Fire Extinguishers	4	
Emergency Exits			Protective Equip. Supply	45	
Emergency Station			P. A. System		
Evacuation Alarm	1		Safety Showers		
Eye Baths			Standpipes		
Fire Alarm Boxes	1		Other (Note in Remarks)		
Fire Doors					

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Poste
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILD.	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO SATISFACTORY	DATE
K-4025	Pump change job	01	51	02	25	23	4-12-(
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	6	1 (6-21)	Radiating Surfaces		
Illumination	3		Traffic Control	2	
Material Containment	6	1 (6-8) no lid-cover	Ventilation	6	
Radiation	2		Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Are
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks) arrangement
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

Welding Buckets etc
(301-280) (100-84)

AUDITED BY (SIGNATURE) [illegible]

REVIEWED WITH (SIGNATURE) [illegible]

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-402-5	Pump Change Jobs	01	51	03	26	25	4-12-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED		NO. UNSATISFACTORY (PART - REASON
Cat.			Ladder (stationery)	–	
Exit	5		Platforms		
Floors	3		Scaffolds		
Furniture			Stairs	2	
~~IIIIIIIII~~ Ladder (portable)	16	1 (15-9)	Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs Top	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-402-5	Pump Change Jobs	01	51	04			
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION
Fluorine			Steam (Bldg Ht - Below 15 psig)		
Hydrofluoric Acid			Steam (Low Pressure - 15-250 psig)		
Natural Gas			Steam (High Pressure - above 250 psig)		
Pyrofax			Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE) D 500

REVIEWED WITH (SIGNATURE) J. P. Lott

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-402-5	Pump Change Jobs	01	51	05	15	12	4-12-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEMS INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low [illegible]e Equipment (Below 480 Volts)		
Corded Equipment	12	3(8-6)
Utilization Equipment	2	
High Voltage Equipment (Above 480 Volts)		
Disconnects	1	
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
6. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

1. Employee dropped plug from motor platform onto concrete floor
2. Bank of switches for 440 plugs?

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-402-5	Pump Change Jobs	01	51	06	100	84	4-12-(
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	10	2(31)	Use of Safe Attire	20	
Use of Tools	4		Use of Personnel Protective Devices	54	6(15) 6(25) 2(28)
Use and Maintenance of Machines & Equipment	2		Work Habits	10	
Use of Ionizing Radiation Sources					

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel Enclosure, when Unsafe Because of Temperature Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

31 (side and carry loads below.

REMARKS: 18/24 Eye protection

14/20 Respirators - Some did not wear during release

8/10 Gloves

-370-

AUDITED BY (SIGNATURE) [illegible]

REVIEWED WITH (SIGNATURE) [illegible]

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-402-5	Pump Change House	01	51	07	36	35	4-12-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE OF TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered	6	
Hand	25	1 (19-1) Paint
Hydraulic		
Pneumatic Powered	5	
Powder Actuated		

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remc
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-402-5	Pump Change House	01	51	08	75	75	4-12-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIO
Conveyor			Power Truck	2	
Chain Hoist	30		Tractor		
Electric Hoist	2		Plant Railway		
Winch or Tugger			Skid		
Sling	20		Pallet		
Lifting Fixture			Bicycle		
Dolley	20		Bus		
Handtruck			Passenger Car		
Wheelbarrow			Motor Truck		
Fork Truck	1		Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Crossing Signals	25. Hitches	39. Other (Note in Remarks)
12. C[illegible] Signs	26. Hooks	
13. D[illegible]n Control	27. Horn	
14. Dec[illegible]	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) W. H. Lackett

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
402-5	Pump change Jobs	01	51	09	35	34	4-12-(
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIC
Acet ank			Freon Tank		
Air Receivers			HF Tank		
Boilers			UF_6 Containers		
Compressed Gas Cylinders	35	1 (11-18)	Water Storage Heaters		
Fluorine Tank			Other (*Note in Remarks*)		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other (*Note in Remarks*)
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other (*Note in Remarks*)	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) W. H. Luckett

09 - Pressure Vessels &

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-40-5	Pump change house	01	51	10	38	25	4-12-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITIO
Auto[illegible]c Arc Cutting Unit			Oxygen-Arc Cutting Unit	12	3(19-2)
Automatic Arc Welding Unit			Paper Cutter		
Bench or Pedestal Grinder			Planer (metal)		
Blower			Planer (wood)		
Boring Mill			Power Press		
Centrifuge			Press Brake		
Compressor			Pulverizer		
Crusher			Pump		
Diesels (stationary)			Saw (band - metal)		
Drill Press			Saw (band - wood)		
Fans	6	2(20-7)	Saw (circular - metal)		
Forming Rolls			Saw (circular - wood)		
Gear Cutter			Saw (jig)		
Grinding Machine			Saw (power - rip)		
Hobber			Saw (radial)		
Jointer			Saw (swing)		
Lathe (engine)			Screw Machine		
Lathe (turret)			Shaper (metal)		
Lathe (woodworking)			Shaper (wood)		
Manual Arc Cutting Unit			Shears		
Manual Arc Welding Unit	20	8(20-7)	Slicer		
Mixer			Other (Note in Remarks)		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) W. H. Luckett

Dec. 6, 1961

Subject: Air Analysis for F_2 in K-402

To: Mr. A. F. Becher

There is no reason to question the air sample results reported by Dave Stoddard. However the economics of the situation and the necessity or advisability of installing the recommended disposal system is questionable.

I see no reason to be too concerned when the threshold limit value is exceeded only 0.3 hr in 165.2 hrs at one location and 0.5 hr in 159.75 hours at another.

I see no real advantage in the disposal system suggested by Dave. The bulk of the reaction product would be HF with small amounts of relatively harmless CF_4. The formation of HF makes air dilution necessary. If a disposal system is necessary, air dilution of the small quantities of F_2 without the propane flame appears adequate.

W. E. Muldrew

UNION CARBIDE

INTERNAL CORRESPONDENCE

UNION CARBIDE NUCLEAR COMPANY • POST OFFICE BOX P, OAK RIDGE, TENNESSEE

To (Name) L. W. Anderson Safety and Health Physics

Company

Location K-402-6

1961 NOV 21 PM 3:47

Copy to ✓A. F. Becher
J. Dykstra
J. M. Ellis
J. A. Marshall
J. A. Parsons
W. F. Schwenn
File

Date November 21, 1961

Originating Dept. Industrial Hygiene

Answering letter date

Subject Air Analyses for Fluorine in K-402

Because of continued complaints about the strong odor of fluorine in the K-402-5 Instrument Maintenance shop and at the street level in front of the K-402 building additional air sampling was done simultaneously at two locations in this area.

Utilizing two Howard-Weber Fluoride Analyzers, and making appropriate temperature corrections, the atmosphere was sampled immediately outside a window of the shop on the operating floor and outside a window of the change house on the cell floor of the K-402-5 building.

Sampling was begun at 0400 hours on October 16 and continued, with a few interruptions, through 1600 hours on October 20, 1961. It was again done from 0800 hours on October 23 through 1100 hours on October 27, 1961.

Continuously recorded sampling at the operating floor level for 12 periods during 10 work days for a total of 165.2 hours revealed that the ORGDP Threshold Limit Value for fluorine was exceeded one time for a total of 20 minutes. This excessive period started at 1612 hours and ended at 1632 hours on October 19. During this period the concentration exceeded 7.0 ppm 6 times for a total of 4 minutes out of a 12 minute part of the excessive period. Seven parts per million is the upper limit of the detecting device at the sensitivity level used.

Similarly, the recording of the concentrations at the cell floor level for 10 periods for a total of 159.75 hours indicated that the Threshold Limit Value for fluorine was exceeded 12 times for a total of 34 minutes. This excessive period started at 0059 hours and ended at 0137 hours on October 20. The concentration exceeded 7 ppm momentarily only once.

In keeping with these findings and the lack of a Clean-up Reactor on the waste stream it is suggested that the method used by the Bell Aerosystems Company in Buffalo, New York for the disposal of fluorine be considered. This method consists of feeding the waste gas into a propane flame then diluting the reaction products with air before blowing them to the atmosphere.

D. L. Stoddard
D. L. Stoddard
Industrial Hygienist

DLS:rw

Safety file

UNION CARBIDE

INTERNAL CORRESPONDENCE

UNION CARBIDE NUCLEAR COMPANY • POST OFFICE BOX P, OAK RIDGE, TENNESSEE

To (Name) L. W. Anderson
Company Safety and Health Physics
Location K-402-6

Date October 5, 1961
Originating Dept. Industrial Hygiene
Answering letter date

Copy to A. F. Becher
J. M. Ellis
J. A. Marshall
J. A. Parsons
File

1961 OCT 6 AM 11:07

Subject Air Analyses for Fluorine in K-402

An investigation was made of the complaints of Instrument Department employees concerning the consistant fluorine odor in the air drawn into the operating floor of the K-402 building by the ventilation system.

Utilizing the Howard-Weber Fluoride Analyzer and making appropriate temperature corrections the atmosphere of the operating floor was continuously analyzed at two points in the building during 9 days of a 15 day period beginning on 9/8/61 and ending 9/22/61. The first sampling site was in the K-402-8 building twenty feet from the north wall near some maintenance employees. The second site was in the K-402-7 building near the southeast corner of the control room. This location was used for all except the first 22 hours of sampling.

At no time during a total of 170 hours of sampling was there an indication of fluorine equal to or in excess of the threshold limit value of 1.0 ppm observed at the ORGDP. The greatest amount detected was approximately 0.3 ppm fluorine. A concentration of approximately 0.2 ppm fluorine was detected for several hours before as well as after this peak value. These concentrations occurred on the first day of sampling. All other concentrations recorded were equal to or less than 0.1 ppm fluorine.

The fluorine concentrations measured in the atmosphere of the K-402 operating floor did not constitute a threat to the health and welfare of the employees regularly assigned this area.

D. L. Stoddard
D. L. Stoddard
Industrial Hygienist

DLS:rw

Mr. ~~J. C.~~ Worthington
Mr. ~~A. F.~~ Becher

[redacted] OVER - P.A.L. AIR SAMPLING

LOCATION		OPERATION INVOLVED
K-402-6, Cell 10, and K-402-5, Cell 1		Pump and Converter Inlet Change
TYPE OF MATERIAL	DURATION OF RELEASE	AMOUNT OF MATERIAL
UO_2F_2		
DATE	SAMPLE TIME	AIR ACTIVITY
5-1-61 and 5-3-61		C/M/ft³

RESPIRATORY PROTECTION WORN

AREA INVOLVED

EMPLOYEES EXPOSED OR REFERRED TO DISPENSARY

NAME	BADGE NO.	LOCATION IN AREA

ALL PERSONS ROUTINELY ASSIGNED TO AREA WERE ON INDUSTRIAL RECHECK		FREQUENCY
☐ Yes	☐ No	
SURFACE CONTAMINATION LEVEL c/m	DECONTAMINATION STARTED	DECONTAMINATION COMPLETED

LIST ALL LOCATIONS WHICH ARE ABOVE TOLERANCE AFTER DECONTAMINATION

READING	LOCATION	READING	LOCATION

DESCRIPTION OF INCIDENT An air sampler was set up on the motor platform at cell 1 in K-402-5 on Friday, 4-28-61. A background reading was recorded over the weekend and on Monday when the cell change began, the power was lost about half the period between 9:00 and 10:00 AM. Consequently, only one of these samples was above the P.A.L., and this was only 3.49 c/m/ft^3 between 9:30 and 10:00 AM. However, we moved to cell 10 on the evening 5-2-61, got a good background count overnight, and good samples on the following day while a change was in progress. This same series was continued through the night and into the day of 5-4-61 when the job was almost completed. On this latter incident, the fans were blowing out of the escape alley, into the cell at each end door, and the constant air monitor was pulling a sample of effluent air at the center cell door. It may be noted on the attached tape that air results exceeded 2 c/m/ft^3 by the time the cell was open at 9:30 AM and continued until 11:00 AM, reaching a peak between 9:30 and 10:00 AM.

WPE:erc
5-5-61

SIGNATURE W. P. Ellis

Attachments

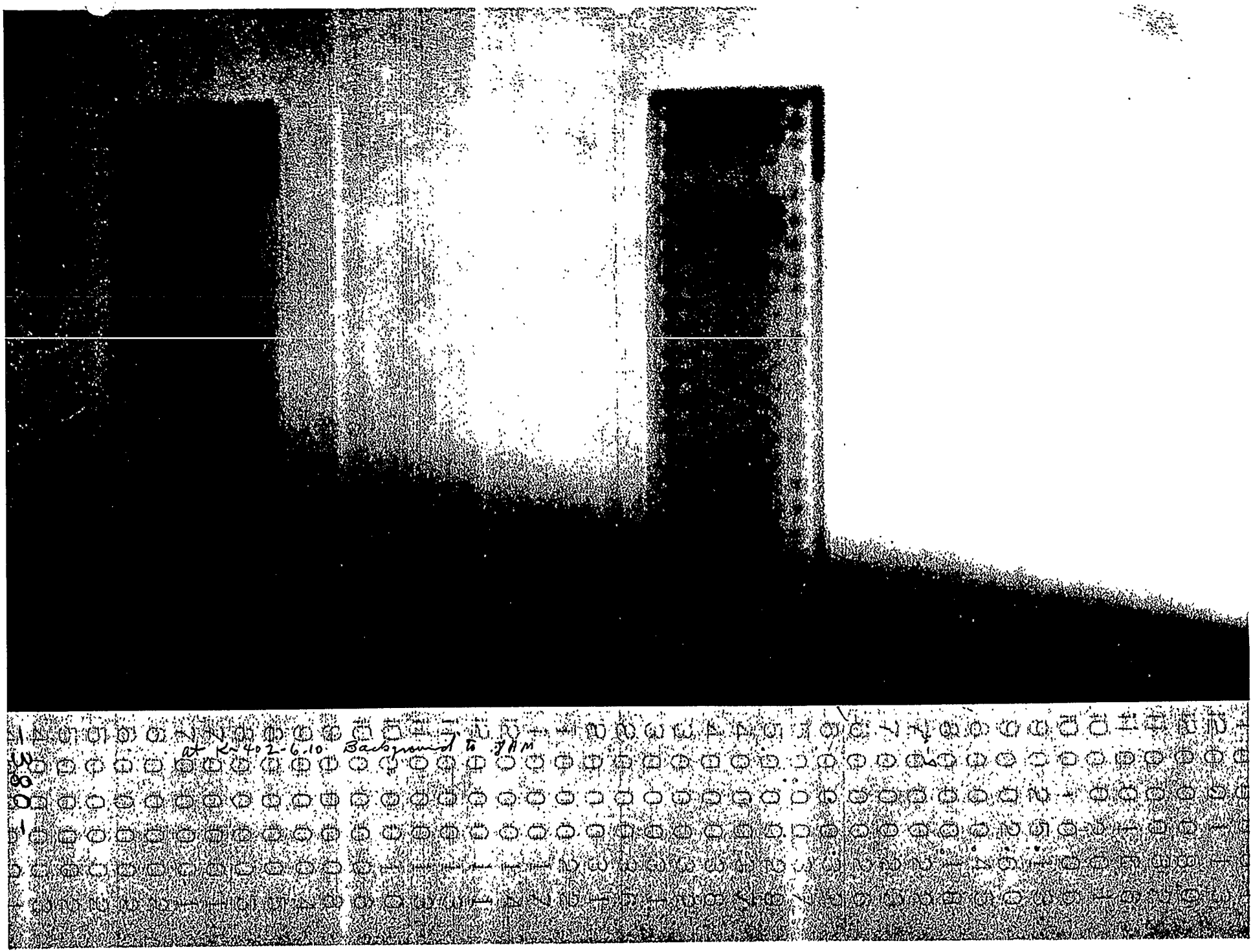
K-402-6-10 Pump and Converter Inlet Change
May 3, 1961

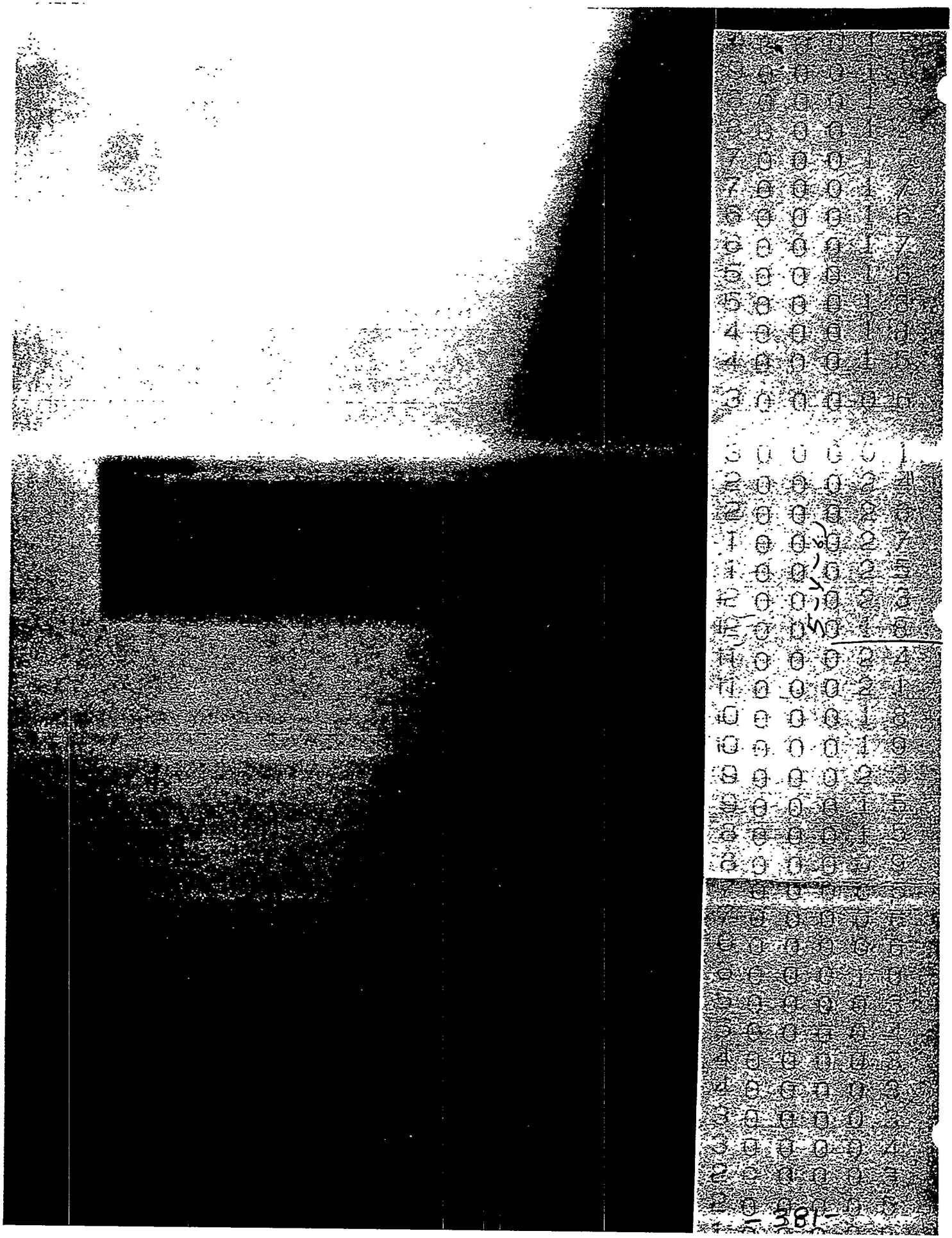
Time		No. Wearing Respirator / No. Present	No. Wearing Eye Prot. / No. Present	Air Activity in c/m/ft^3
8:00-8:30	Securing pipe inside cell	0/4		0.18
8:30-8:55	Cutting out cell housing	4/10	6/8	0.45
8:55	First cut into system	8/11	3/11	
9:00-9:30	Continued pipe cutting			2.60
9:30	Removed pipe at stage 6 - pipe covered. Pulled first pump in escape alley - slightly visible PG.	8/9	8/12	
9:50-10:00	First pump moved in withdrawal alley at stage #2. Openings blanked off immediately - some visible PG.	8/9	8/11	25.13
10:05	Set in pump at stage #2 withdrawal alley - some visible material noted.	7/8	7/8	
10:12	Removed pipe and another pump. Converter opening not blanked off	9/12	9/12	10.06
10:25	Removed pipe. Pipe blanked off.	4/4	4/4	
10:40	2nd pump set in position - withdrawal alley.	10/12	9/10	
10:45	3rd pump removed - withdrawal alley.	10/12	9/10	2.01
10:50	3rd pump set into position - withdrawal alley.	4/6	5/6	

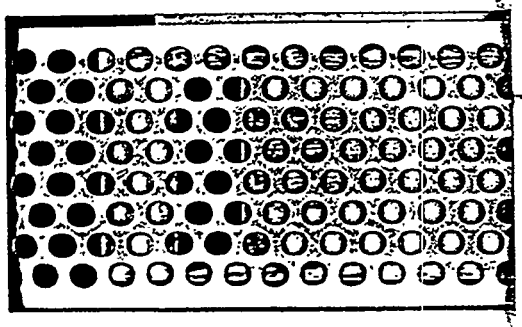
After this all pipe was blanked off and air was < 2 c/m/ft^3

Total PAL	60/72	Total 68/92
% Effective	84%	74%

WPE:erc
11-61

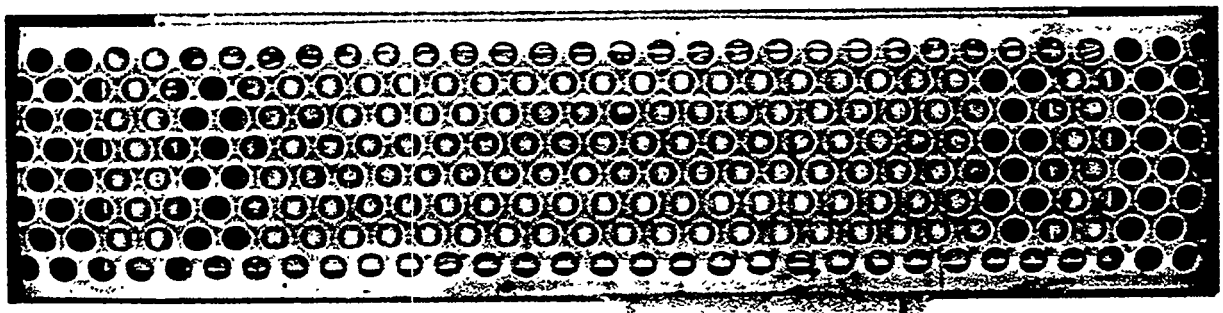

at K-402-6.10 Background to THM





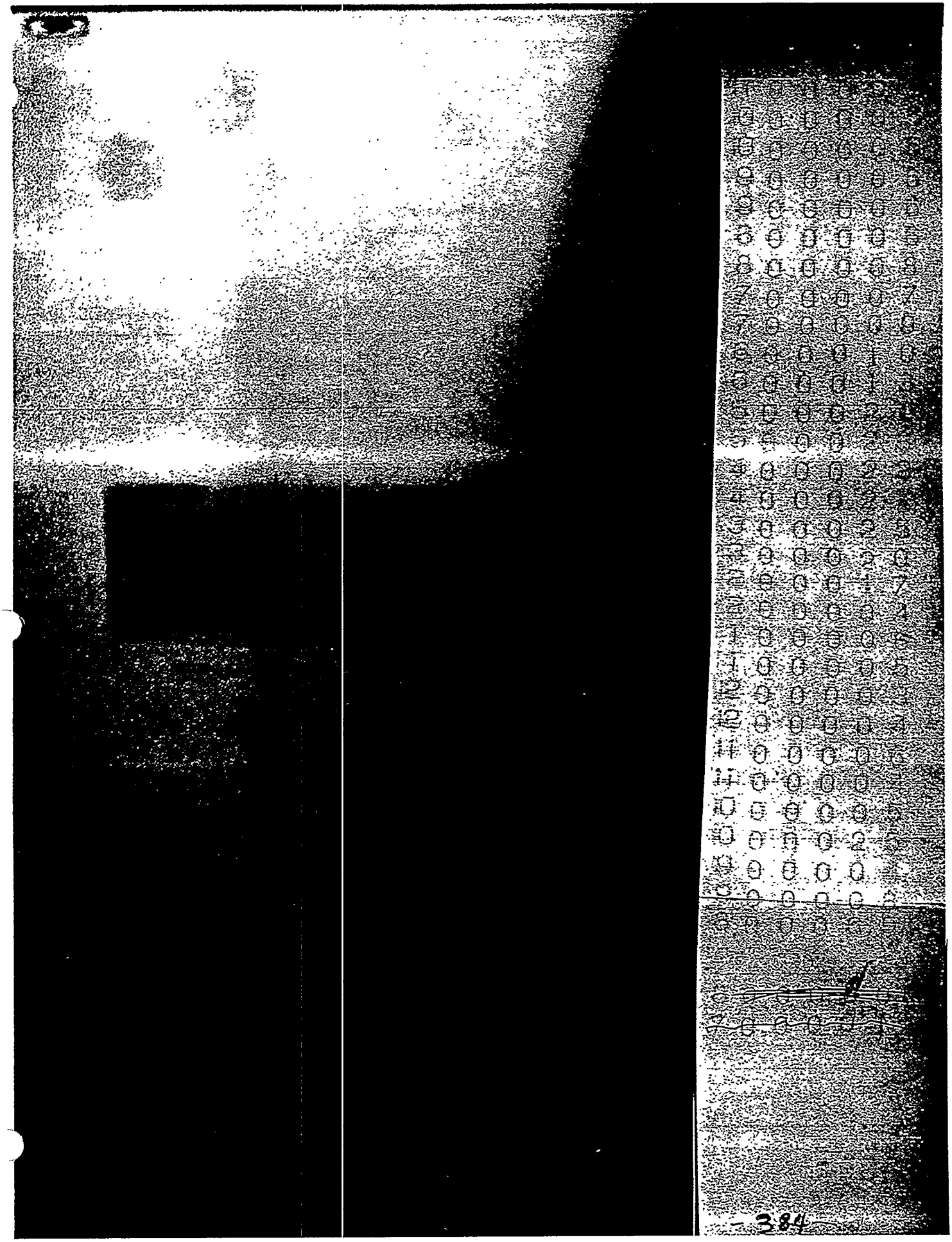
0 0 0 1 7	MAY 4 7 58 AM '61
0 0 0 1 3	MAY 3 11 58 PM '61
0 0 2 8 3	MAY 3 3 58 PM '61
0 0 0 2 8	MAY 3 7 58 AM '61
0 0 0 0 6	MAY 2 11 58 PM '61
0 0 0 0 3	MAY 2 3 58 PM '61

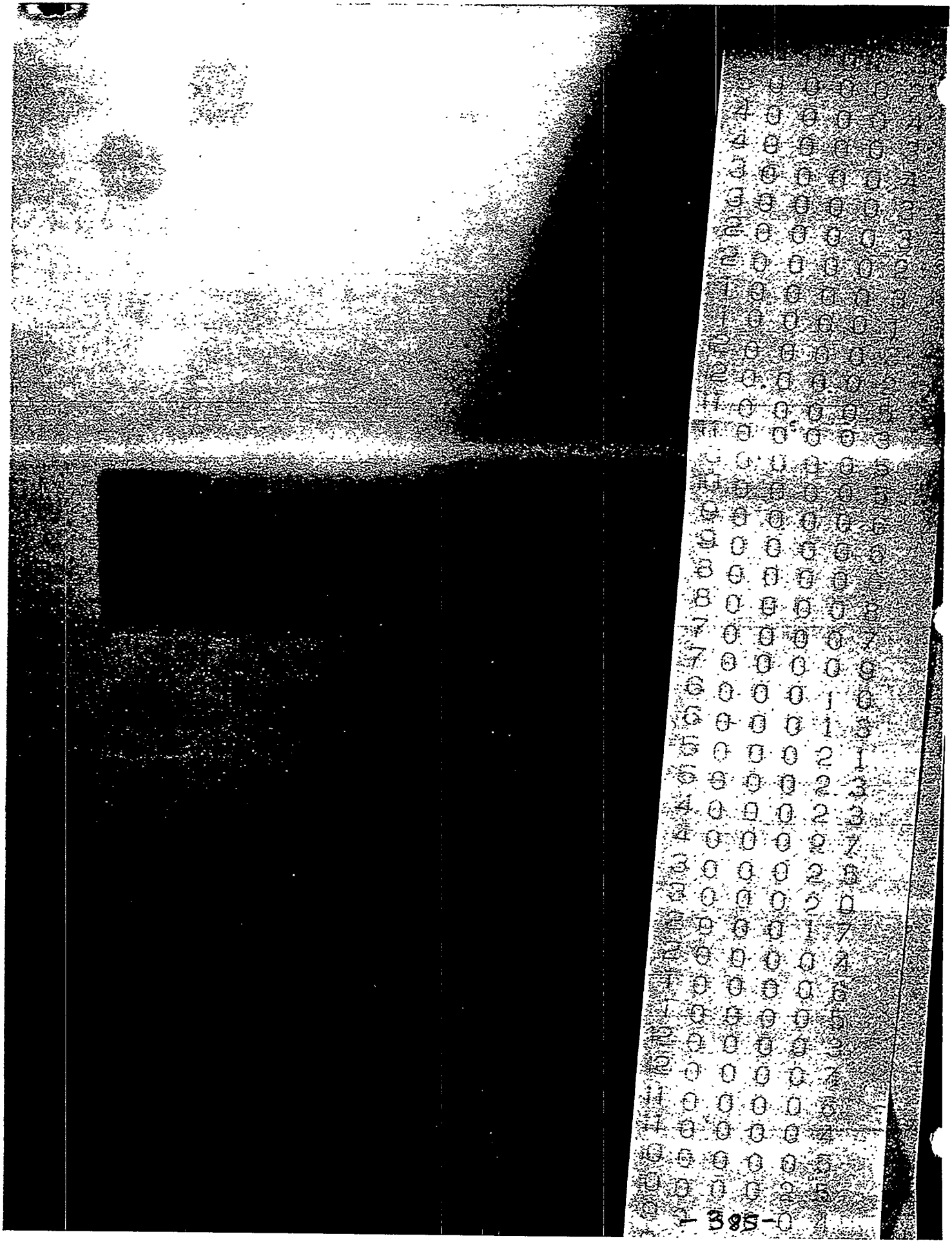
1402-6-10
5-2-61

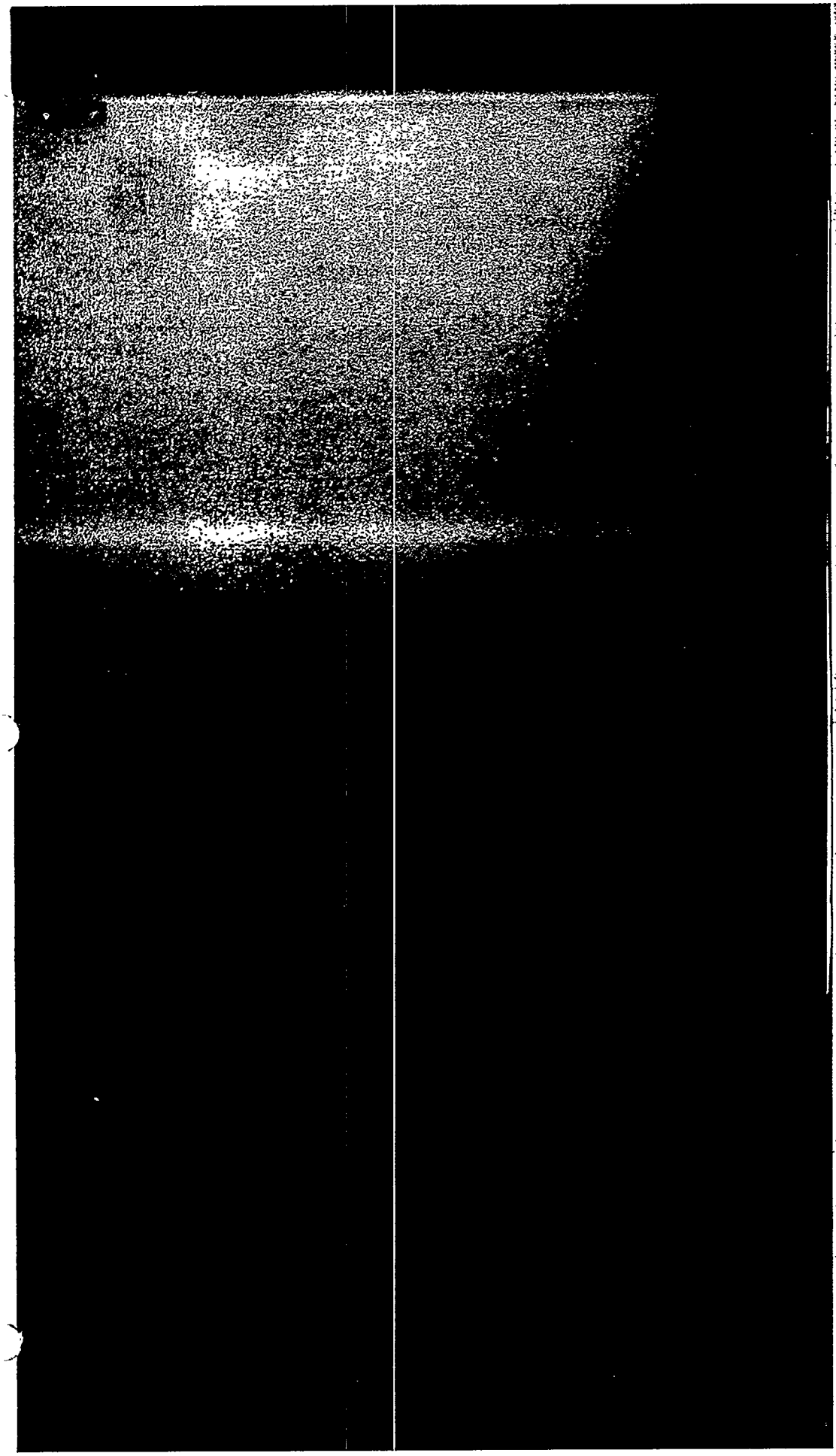


0 0 0 1 2	MAY 2 10 52 AM '61
0 0 0 1 1	~~APR 32~~ 12 00 AM '61
0 0 0 2 1	~~APR 31~~ 4 00 PM '61
0 0 0 5 7	~~APR 31~~ 8 00 AM '61
0 0 0 1 6	~~APR 30~~ 3 34 AM '61
0 0 0 0 7	~~APR 30~~ 8 00 PM '61
0 0 0 1 0	~~APR 30~~ 12 00 PM '61
0 0 0 1 0	~~APR 30~~ 4 00 AM '61
0 0 0 0 4	APR 29 8 00 PM '61
~~0 0 0 0 0~~	~~APR 29 12 30 PM '61~~
0 0 0 1 2	APR 29 12 00 PM '61
0 0 0 1 9	~~APR 29~~ 4 00 AM '61
0 0 0 0 0	APR 28 8 02 PM '61
0 0 0 0 0	APR 28 8 01 PM '61
0 0 0 3 3	~~APR 28~~ 11 00 PM '61

Back grounds before card change




T 385-0



11	0	0	0	0	5
11	0	0	0	0	5
10	0	0	0	0	7
10	0	0	0	0	6
9	0	0	0	0	8
9	0	0	0	0	5
8	0	0	0	0	7
8	0	0	0	0	7
7	0	0	0	1	0
7	0	0	0	1	1
6	0	0	0	1	1
6	0	0	0	1	2
5	0	0	0	1	0
5	0	0	0	1	0
4	0	0	0	1	8
4	0	0	0	1	8
3	0	0	0	1	7
3	0	0	0	1	4
2	0	0	0	1	3
2	0	0	0	1	0
1	0	0	0	0	9
1	0	0	0	1	0
12	0	0	0	0	8
12	0	0	0	0	4
11	0	0	0	0	4
11	0	0	0	0	4
10	0	0	0	0	5
10	0	0	0	0	4
9	0	0	0	0	4
9	0	0	0	0	4
8	0	0	0	0	4
8	0	0	0	0	5
7	0	0	0	0	5
7	0	0	0	0	3
6	0	0	0	0	4
6	0	0	0	0	4
5	0	0	0	0	3
5	0	0	0	0	2
4	0	0	0	0	4
4	0	0	0	0	3
3	0	0	0	0	4
3	0	0	0	0	3

386

1	0	0	0	1	8	
1	0	0	0	6	9	
2	0	0	0	3	4	
2	0	0	0	1	7	
11	0	0	0	1	0	
11	0	0	0	0	2	
10	0	0	0	3	4	9
10	0	0	0	1	0	
9	0	0	0	0	8	
9	0	0	0	0	3	
8	0	0	0	3	5	
6	0	0	0	0	2	
7	0	0	0	0	7	
7	0	0	0	0	2	
6	0	0	0	0	0	
6	0	0	2	5	9	
5	0	0	1	0	2	
5	0	0	0	0	3	
4	0	0	0	0	2	
4	0	0	1	1	4	
3	0	0	0	0	1	
3	0	0	0	0	2	
2	0	0	0	0	1	
2	0	0	0	0	2	
1	0	0	0	2	6	
1	0	0	0	3	1	
12	0	0	0	3	2	
12	0	0	0	2	6	
11	0	0	0	2	5	
11	0	0	0	1	8	
10	0	0	0	1	7	
10	0	0	0	1	5	
9	0	0	0	1	3	
9	0	0	0	0	8	

7 ounces
about half
of tube
between 9 & 10

cut
left
at 9:10
pulled
back 9:35

1-2 oz
gas
by 10

3807

Division: Maintenance
Department: 1002
Location: K-402-6 Cells 3 and 4

Checked by: B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
		Surface	Wipe	Surface	1 ft	Distance (ft)				
					Safety and Health Physics					
								8:30 AM		0223
								9:00	*	1737
								9:30	*	0727
Cell enclosure floors	48	2400	250	1961 JUN 12 PM 3:26				10:00	*	0142
								10:30	*	0171
								11:00	*	0048
								11:30		0012
								12:00		0026
System				11	—	—		12:30		0020
								1:00		0011
								1:30		0005
								2:00		0005
								2:30		0004
								3:00		0004
								3:30		0010

Action Taken: * With the exception of one (1) Mechanic respirator use was good during this period of time. Operations attendant was standing in the escape alley during a release of material without respiratory equipment. (over)

Approved: W. H. Luckett
Operating Supervisor

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WCX-2191 (11-53) K-25RC Safety & Health Physics Section

Decontamination Service "Kept" material pick up from floors.
B C Burrell

1359

Below are some on the job observations:

* 8 Weldors wore respirators ~~during~~ when necessary
9 Total Personnel Checked

*** 1 Electrician wore respirators when necessary
4 Total Personnel Checked

** 18 Welders and Mechanics Checked < Pol radiation on hands, shoes, clothes
19 Total Personnel Checked

8 Wore eye protection
13 T.P.C.

*** 3/9 mechanics wore respirators when necessary
T.P.C.

No smoking, eating or drinking was observed.

* did not have respirator or
** exchanged Contaminated gloves for clean ones.
*** were not wearing respirators at check time, 8:50 AM

At approximately 9:00 A.M. and thereafter respirator use was very good for Welders and mechanics.

**** Mr Leon Matthews was informed of this condition.

Equipment passes were promptly blanked off by Maintenance, and Decontamination Servicemen kept material pick ups from floors.

B Burrell

RADIATION MONITORIN ND CONTROL REPORT

Division: Maintenance
Department: 1002
Location: K-402-6 Cell 5 and 6

Date: 5-15-61 JW
Checked by: B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
Cell enclosure										
floor area	48	1400	250							
System				7	–	–				

Received Health Physics
1961 JUN 12 PM 3:26

Action Taken: A visible release of gas at Cell 5 & 13 pump occured at approximately 9:30 Hrs. All Employees in the proximity of release wore respirators. Decontamination Service did a good job in the removal of contamination. (over)

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Approved: W. A. Luckett
Operating Supervisor

WCX-2191 (11-53) K-25RC Safety & Health Physics Section

Below are some on the job observations:

* 6 / 9 Mechanics were wearing respiratory equipment when necessary
Total Personnel Checked

7 / 8 Welders were wearing respiratory equipment when necessary
Total Personnel Checked

4 / 4 Supervisory Personnel were wearing respiratory equipment when necessary
Total Checked

9 / 14 Wore safety glasses
Total Checked

** 15 / 16 Checked < Pal radiation on hands, shoes, clothes
Total Checked

* did not have respiratory equipment during cutting into system and shortly thereafter. However, Mr. Lockett their Supervisor pointed this out to them and they wore respirators thereafter.

** one (1) mechanic was found with an over the Pal Condition on hands, he washed his hands & within the P.O.

BCBurell

RADIATION MONITORING AND CONTROL REPORT

Division: Maintenance
Department: K-1002
Location: K-402-6 Cells 9 and 10 Change

Date: 5-3-61 JW
Checked by: B C Burnell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
Cell enclosure floors	40	1400	400							
system readings				14	—	—	8:30 AM			2.60
							9:00		*	25.13
							9:30		*	10.06
							10:00		*	2.01
							10:30		*	1.66
							11:00			0.32
							11:30			0.80
							12:00			1.13
							12:30			0.61
							1:00			0.28
							1:30			0.05

Action Taken: * Respiratory Protection Use was 100% during these Periods. Prompt Cleanup of removed equipment and stationary equipment was Good. System was Cut into at 8 am. (over)

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2nd Copy - Divisional Files

Approved: W. H. Luckett
Operating Supervisor

WCX-2191 (11-53) K-25RC Safety & Health Physics Section

-3933-

RADIATION MONITORIN AND CONTROL REPORT

Division: Main Engineer
Department: 1002
Location: K-402-6 Cells 9 and 10

Date: 5-31-61 JW
Checked by: B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
Before job										
Cell enclosure floor	8	1100	200							
After job										
Cell enclosure floor	12	5200	Visible							
System				8	—	—				

Safety and Health Physics
1961 JUN 12 PM 3:25

Action Taken: _____

(over)

Approved: W. H. Luckett
Operating Supervisor

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WCX-2191 (11-53) K-25RC Safety & Health Physics Section

The system was cut in to. At 9:10 Am, at 9:18 Am the following was observed:

5 Welders were wearing respiratory equipment
6 Total Personnel Checked

1 Mechanic were wearing respiratory equipment
9 Total Personnel Checked

1 Electrician were wearing respiratory equipment
2 Total Personnel Checked

17 Checked < Pal radiation on hands, shoes, clothes
17 Total Personnel Checked

At Cell 10 pump 6B a gaseous release occurred at 9:30, which lasted for approximately fourteen (14) minutes. During this release

Well observed in the vicinity of release for approximately ten (10) minutes without respiratory protection. Was in the release with part time use of respiratory equipment.

Mr. Frank Lindsey Maintenance Supervisor Contacted Operations ~~and~~ notified them in regard to release.

I recommended to Mr Luckett and Mr Matthews that the above Personnel be sent to the dispensary for urine analysis; however, it was decided by Main Maintenance Supervisor and Mr. Dave Stoddard that urine sampling would be performed at the request of the Personnel involved.

B C Burrell

RADIATION MONITORIN ND CONTROL REPORT

Division: Maintenance

Department: 1977

Location: K-1402-6 Cell Yard & Change

Date: 5-10-61

Checked by: B C Burnell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3

Action Taken: * 4 Electricians Wore respiratory equipment when Necessary
5 Total Personnel Checked
* had only part time use of respirator and was smoking a Cigarette.

(over)

Approved: J. L. Mathews
Operating Supervisor

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WCX-2191 (11-53) K-25RC Safety & Health Physics Section

- 3910 -

RADIATION MONITORIN ND CONTROL REPORT

Division: Maintenance
Department: 1002
Location: K-402-6 Cell 7 and 8 Change

Date: 5-10-61
Checked by: B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft²	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft³)	Alpha Counts/min/ft³
Near the end of shift check							9:00 AM			0.18
							9:30			5.32
floor area							10:00			12.34
inside Cell enclosure	32	1200	<100				10:30			3.07
							11:00			8.10
system readings				18	—	—	11:30			5.49
							12:00			3.39
							12:30			7.44
							1:00			3.31
							1:30			2.08
							2:00			1.97
							2:30			0.20
							3:00			0.14
							3:30			0.17
							4:00			0.11
							4:30			0.08

Action Taken: The above air samples were taken in escape alley between Cells 7 and 8. Piping was immediately blanked off. Decontamination Service kept the cell clean.

(over)

Approved: W. H. Luckett
Operating Supervisor

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WCX-2191 (11-53) K-25RC Safety & Health Physics Section

Safety and Health Physics

Below are some on the job observations:

10/10 Welders Wore respiratory equipment when necessary
Total Personnel Checked

6/10 Mechanics had eye protection
T.P.C.

* 8/10 Mechanics wore respiratory protection when Necessary
Total P.C.

** 19/20 Checked < Pal radiation on hands, shoes, gloves
T.P.C.

No smoking, eating or drinking was observed.

2/4 Supervisors Wore eye protection
T.P.C.

3/4 Supervisors Wore respiratory equipment when Necessary
T.P.C.

* were observed approximately 6 ft. away from material release - without respiratory protection. Sometime after this incident they had respiratory protection.

** exchanged Contaminated Coveralls at the end of shift.

RADIATION MONITORIN ND CONTROL REPORT

Division Maintenance
Department K-902
Location K-902-6 Change House and lunch area

Date 4-13-64
Checked by B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
		Surface	Wipe	Surface	1 ft	Distance (ft)				
floor area		350	<100							
equipment		250	<100							

Safety and Health Physics
1964 APR 12 PM 1:04

Action Taken: None Necessary

(over)

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WCX-2191 (11-53) K-25RC Safety & Health Physics Section

Approved W. H. Luckett
Operating Supervisor

RADIATION MONITORIN ND CONTROL REPORT

Division Maintenance
Department 1092
Location K-402-7 Cells 7 and 8

Date 6-8-61 JW
Checked by B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
Cell enclosure										
flow area	42	2200	650							
system readings				9	—	—				

Safety and Health Physics
1961 Jun 12 PM 3:25

Action Taken: Main tenance Coverage of equipment openings was good. Cascade Servers were able to keep work surface virtually free of contamination.

(over)

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Approved W. A. Luckett
Operating Supervisor

WCX-2191 (11-53) K-25RC Safety & Health Physics Section

Below are some on the job observations approximately at 9:15 AM following system entry at 8:58 AM:

** 12 Mechanics wore proper respiratory equipment
14 Total Personnel Checked

* 8 Welders wore respiratory equipment
9 T.P.C.

7 Mechanics had eye protection
10 T.P.C.

16 Checked < Rad radiation on hands, shoes, clothes
16 T.P.C.

2 Electricians wore respiratory equipment
2 T.P.C.

No smoking, eating or drinking was observed

** Which checked 0 were without respiratory equipment
* Checked - welder - was without respiratory equipment when checked.

B. Sewell

RADIATION MONITORIN ND CONTROL REPORT

Division Maintenance
Department 1002
Location K-402-9 Pump Repair Area

Date 5-22-61
Checked by B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft²	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft³)	Alpha Counts/min/ft³
floor area	38	1300	400							
equipment		400	<100							

Safety and Health Physics
1961 JUN 12 PM 3:26

Action Taken: None Necessary.

(over)

Approved W. H. Luckett
Operating Supervisor

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WCX-2191 (11-53) K-25RC Safety & Health Physics Section

RADIATION MONITORIN .ND CONTROL REPORT

Division Main
Department K-402
Location K-402-9 AC Pump Repair

Date 4-13-61 JW
Checked by BC Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft²	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft³)	Alpha Counts/min/ft³
floor area	32	1600	400							
equipment	6	1000	<100	PAL						

1961 MAY 12 PM 4:04
Safety and Health Plants

Action Taken: None Necessary. 3 Checked < PAL radiation on hands, shoes, clothes
3 Total Pers. Checked

(over)

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WCX-2191 (11-53) K-25RC Safety & Health Physics Section

Approved W. H. Luckett
Operating Supervisor

-403-

RADIATION MONITORIN .ND CONTROL REPORT

Division: Maintenance
Department: 100
Location: K-402-9 Pump Repair Area

Date: 3-15-61 JW
Checked by: B E Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
Floor area										
Pump & base		1100	450	pal						

Action Taken: None Necessary.

(over)

Approved: W. H. Puckett
Operating Supervisor

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2nd Copy - Divisional Files

WCX-2191 (11-53) K-25RC Safety & Health Physics Section

-404-

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

Page 1 of ____

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-402-9	Pump Repair Shop	01	57	01	4	4	6-26-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto. Sprinkler System			Fire Extinguishers	2	
Emergency Exits			Protective Equip. Supply		
Emergency Station			P. A. System	1	
Evacuation Alarm			Safety Showers		
Eye Baths			Standpipes		
Fire Alarm Boxes	1		Other (Note in Remarks)		
Fire Doors					

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-402-9	Pump Repair Shop	01	57	02	13	9	6-26-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	3	1 (6-8) Debris behind pumps	Radiating Surfaces		
Illumination	2		Traffic Control		
Material Containment	6	3 (6-21)	Ventilation	2	
Radiation			Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Area
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks) Cardboard Boxes
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

49-38-0-0

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

01 - Fixed Protection

SAFETY AUDIT REPORT
UCN-2021 (1-9-60)

WORK SURFACES

Page 2 of ____

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-4029	Pump Repair Shop	01	51	03	2	2	6-26-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Catw.			Ladder (stationery)		
Exit			Platforms		
Floors	2		Scaffolds		
Furniture			Stairs		
Ladder (portable)			Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-4029	Pump Repair Shop	01	51	04	1	1	6-26-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine			Steam (Bldg Ht - Below 15 psig)		
Hydrofluoric Acid			Steam (Low Pressure - 15 - 250 psig)		
Natural Gas			Steam (High Pressure - above 250 psig)		
Pyrofax			Safety Can Other (Note in Remarks)	1	1 (10-12)

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums - Safety Can	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE)

03 - Work Surfaces

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-702-9	Pump Repair Shop	01	57	05	9	3	6-26-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEMS INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low [illegible] e Equipment (Below [illegible] Volts)		
Corded Equipment	6	6(8-6)
Utilization Equipment		
High Voltage Equipment (Above 480 Volts)		
Disconnects	3	
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
6. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
				06			
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling			Use of Safe Attire		
Use of Tools			Use of Personnel Protective Devices		
Use and Maintenance of Machines & Equipment		Not Present	Work Habits		
Use of Ionizing Radiation Sources					

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-4029	Pump Repair Shop	01	51	07	5	5	6-26-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE OF TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered		
Hand	5	
Hydraulic		
Pneumatic Powered		
Powder Actuated		

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-4029	Pump Repair Shop	01	51	08	8	8	6-26-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor			Power Truck		
Chain Hoist			Tractor		
Electric Hoist			Plant Railway		
Winch or Tugger			Skid		
Sling	3		Pallet		
Lifting Fixture			Bicycle		
Dolley	5		Bus		
Handtruck			Passenger Car		
Wheelbarrow			Motor Truck		
Fork Truck			Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Crossing Signals	25. Hitches	39. Other (Note in Remarks)
12. Cr[illegible] Signs	26. Hooks	
13. D[illegible] Control	27. Horn	
14. De[illegible]	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1029	Pump Repair Shop	01	51	09	6	6	6-26-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIC
Acet ank			Freon Tank		
Air Receivers			HF Tank		
Boilers			UF_6 Containers		
Compressed Gas Cylinders	6		Water Storage Heaters		
Fluorine Tank			Other *(Note in Remarks)*		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other *(Note in Remarks)*
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other *(Note in Remarks)*	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE) W. P Ellis

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-402-9	Plant Repair Shop	01	51	10	1	0	6-26-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Arc Cutting Unit			Oxygen-Arc Cutting Unit		
Automatic Arc Welding Unit			Paper Cutter		
Bench or Pedestal Grinder			Planer (metal)		
Blower			Planer (wood)		
Boring Mill			Power Press		
Centrifuge			Press Brake		
Compressor			Pulverizer		
Crusher			Pump		
Diesels (stationary)			Saw (band - metal)		
Drill Press			Saw (band - wood)		
Fans			Saw (circular - metal)		
Forming Rolls			Saw (circular - wood)		
Gear Cutter			Saw (jig)		
Grinding Machine			Saw (power - rip)		
Hobber			Saw (radial)		
Jointer			Saw (swing)		
Lathe (engine)			Screw Machine		
Lathe (turret)			Shaper (metal)		
Lathe (woodworking)			Shaper (wood)		
Manual Arc Cutting Unit			Shears		
Manual Arc Welding Unit	1	1 (20-7)	Slicer		
Mixer			Other (Note in Remarks)		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) J. P. Jones

JW

ALPHA CONTAMINATION AUDIT REPORT (3027)

Location K-413 Chem. Maint. Office & Facility Date 10-23-61

Supervisor in Charge C.L. Terry. Total Work Area 3000. ft²

Operations in Progress No Work In Progress

Protective Measures in Force Hand Counter.

SUMMARY:

ALPHA CONTAMINATION		This Survey	Last Survey
	Surface Index 27 X 2 =	54.	108.
	Area Factor (Total)	20.	44.
	Area Factor (Wipe)	—	

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Locker Rooms.						
Floor Area	378	I			2000	
" "	50	II			3500	
Benches	6	I			900	
Lunch Room.						
Floor Around Tables	26	I			800	
Tables	—				<100	
Benches	—				300	
Office						
Floor Area	140	I			1400	

	Range Surface	(c/m) Wipe	Weighting Factor					
Class 0	*	—	0	Total ft²				
Class I	500-2000	100-500	1		550			
Class II	2000-10,000	500-2000	5		50			
Class III	>10,000	>2000	20		0			
			Grand Total (ft²)		600.			

B+Y <P.A.L.

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

JW

ALPHA CONTAMINATION AUDIT REPORT

Location K-413 Chemical Maint Shop (300H) Date 9-12-61.

Supervisor in Charge C.L. Terry. Total Work Area 5300 ft²

Operations in Progress Generator Repair Work.

Protective Measures in Force —

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Surface Index 17 X 2 =	34.	10
	Area Factor (Total)	8.9	4.
	Area Factor (Wipe)		2.7

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		~~Surface~~	Wipe
South Room.						
Work Benches	39	I			[illegible]	
" "	15	II			[illegible]	
Storage Bins	142	I			1500	
Main Room.						
Work Bench	45	I			2000	
" "	7	II			3500	
Equipment Buggies	8	I			900	
Generator Room.						
Floor Area	182	I			2000	
" "	30	II			10000	
" "	12	III			>12500	

	Range Surface	(c/m) Wipe	Weighting Factor					
Class 0	*	–	0	Total ft²				13+7 < P.A.L.
Class I	500-2000	100-500	1		406			
Class II	2000-10,000	500-2000	5		52			
Class III	> 10,000	> 2000	20		12			
				Grand Total (ft²)	470			

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

JW
WTE

ALPHA CONTAMINATION AUDIT REPORT

(3027)

Location K-413 Chem. Maint. Office & Facilities Date 9-6-61
Supervisor in Charge C. L. Terry Total Work Area 3000 ft²
Operations in Progress —

Protective Measures in Force —

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Surface Index 54 x 2 =	108.	0.4
	Area Factor (Total)	44.	0.2
	Area Factor (Wipe)	—	0.2

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Lunch Room.						
Floor	242	I			150	
Tables	—				200	
Benches	—				400	
Locker Rooms						
Floor	846	I			2000	
"	76	II			5500	
Benches	22	I			1100	
Office						
Floor	125	I			1400	

	Range Surface	(c/m) Wipe	Weighting Factor					
Class 0	*	–	0	Total ft²				B + 7 < P.A.L.
Class I	500-2000	100-500	1		1235			
Class II	2000-10,000	500-2000	5		76			
ss III	> 10,000	> 2000	20		0			
			Grand Total (ft²)		1311			

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

~~Office~~ JW
(2) Records File

ALPHA CONTAMINATION AUDIT REPORT

Location K-413 Maintenance Shop (3004) Date 3-13-61
Supervisor in Charge C. Terry Total Work Area 5300 ft²
Operations in Progress Routine

Protective Measures in Force No eating or smoking, respirators, gloves and clothing as needed - Hand counting

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	10	58
	Area Factor (Total)	4	19
	Area Factor (Wipe)	2.7	17

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Floors - Fuel cell cleaning facility	100	I	100	I	1800	400
" " " " "	25	II	25	II	7000	1000
Tables & Benches	80	I	20	I	1800	200

	Range Surface	(c/m) Wipe	Weighting Factor			
Class 0	*	–	0	Total ft²		
Class I	500-2000	100-500	1		180	120
Class II	2000-10,000	500-2000	5		25	25
ss III	> 10,000	> 2000	20			
			Grand Total (ft²)		205	145

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr) Hands	Shoes Personal	Shoes Issue	Clothing Personal	Clothing Issue	Gloves	Rer Rei No.
		<100		<100		<100		
		<100		<100		<100		
		<100		<100		<100		
SUMMARY: No. > P.A.L.								
No. Checked								
% Total Checks > P.A.L.								

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
West Side	HP-244	3:20	5	14	0/3	0.33
South Wing	HP 245	3:25	5	15	0/2	0.30

SUMMARY:						
Air Samples	2	No. Taken	For Samples > P.A.L.	Total		Total 0.63
	0	No. > P.A.L.		%		Average 0.32
	0	% > P.A.L.				

REMARKS:

Inspector W. P. Ellis Op. Supervisor Clyde Terry Date 3-13-61

JW

ALPHA CONTAMINATION AUDIT REPORT

Location K-413 Office & Lunch Room + change house (3027) Date 3-10-61

Supervisor in Charge C. Terry Total Work Area 3000 ft^2

Operations in Progress Routine

Protective Measures in Force

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	0.4	0.07
	Area Factor (Total)	0.2	0.07
	Area Factor (Wipe)	0.2	0

SPECIFIC LOCATION	Area (ft^2) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Floor at wash Basin	6	I	6	I	600	100

	Range Surface	(c/m) Wipe	Weighting Factor	Total ft^2		
Class 0	*	–	0			
Class I	500-2000	100-500	1		6	6
Class II	2000-10,000	500-2000	5			
Class III	> 10,000	> 2000	20			
			Grand Total (ft^2)		6	6

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

ROUTINE AIRBORNE CONTAMINATION REPORT

BUILDING K-413 ROOM OR SECTION _____ WEEK ENDING 6-21-61

INSTRUMENT TYPE Constant air monitor SURVEYOR _____ SUPERVISOR Terry

Record one weeks samples. In the column headed "Location and Conditions" give the approximate distance of the sampler from the source of air contamination and whether respiratory protective equipment was used by personnel in the immediate work area during the sampling period. Tot. Act. = 7.1 No. samples = 61
Av. Act. = 0.12 No. > PAL = 0
% > PAL = 0

Sample No.	Date	Time	Length of Sample (min.)	Flow (cfM)	Location and Conditions	( ) Alpha ( ) Beta (c/m/ft³)
	6-1-61	12-8				0.24
		8-4				0.15
		4-12				0.12
	6-2	12 8				0.02
		8 4				0.44
		4 12				0.27
	6-3	12 8				0.12
		8 4				0.07
		4 12				0.02
	6-4	12 8				0.03
		8 4				0.004
		4 12				0.001
	6-5	12 8				0.001
		8 4				0.002
		4 12				0.0
	6-6	12 8				0.001
		8 4				0.001
		4 12				0.0
	6-7	12 8				0.001
		8 4				0.29
		4 12				0.001
	6-8	12 8				0.43
		8 4				0.04
		4 12				0.05
	6-9	12 8				0.05
		8 4				0.07
		4 12				0.07
	6-10	12 8				0.07
		8 4				0.05
		4 12				0.63
	6-11	12 8				0.04
		8 4				0.05
		4 12				0.03

Approved _____
Operating Supervisor

Date _____

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WCX-1318 (Dec'48)

ROUTINE AIRBORNE CONTAMINATION REPORT

BUILDING K-413 ROOM OR SECTION _____ WEEK ENDING 6-24-61

INSTRUMENT TYPE Constant Air monitor SURVEYOR _____ SUPERVISOR Terry

Record one weeks samples. In the column headed "Location and Conditions" give the approximate distance of the sampler from the source of air contamination and whether respiratory protective equipment was used by personnel in the immediate work area during the sampling period.

Sample No.	Date	Time	Length of Sample (min.)	Flow (cfM)	Location and Conditions	( ) Alpha ( ) Beta (c/m/ft^3)
	6-12-61	12 - 8				0.01
		8 - 4				0.05
		4 - 12				0.13
	6-13	12 - 8				0.07
		8 4				0.09
		4 12				0.10
	6-14	12 8				0.08
		8 4				0.42
		4 12				0.28
	6-15	12 8				0.07
		8 4				0.05
		4 12				0.001
	6-16	12 8				0.0
		8 4				0.04
		4 12				0.08
	6-17	12 8				0.08
		8 4				0.08
		4 12				0.11
	6-18	12 8				0.14
		8 4				0.08
		4 12				0.11
	6-19	12 8				0.18
		8 4				0.32
		4 12				0.37
	6-20	12 8				0.22
		8 4				0.003
		4 12				0.0
	6-21	12 8				0.0
		8 4				
		4 12				
		12				
		8				
		4				

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ROUTINE AIRBORNE CONTAMINATION REPORT

BUILDING K-413 ROOM OR SECTION _____ WEEK ENDING 5-31-61

INSTRUMENT TYPE _____ SURVEYOR _____ SUPERVISOR _____

Record one weeks samples. In the column headed "Location and Conditions" give the approximate distance of the sampler from the source of air contamination and whether respiratory protective equipment was used by personnel in the immediate work area during the sampling period.

Tot. Act. = 0.9 No. Samples = 8
Av. Act. = 0.11 No. > MAL = 0
% > MAL = 0

Sample No.	Date	Time	Length of Sample (min.)	Flow (cfM)	Location and Conditions	( ) Alpha ( ) Beta (c/m/ft^3)
	5-31-61	4-12				0.14
	"	8-4				0.08
		12-8				0.19
	5-30-61	4-12				0.09
		8-4				0.06
		12-8				0.16
	5-29-61	4-12				0.08
		8-4				0.10
		12-8				
	Sampler used to study cell change jobs most of month.					

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Operating Supervisor

Date _____

WCX-1318 (Dec'48)

ROUTINE AIRBORNE CONTAMINATION REPORT

BUILDING K-413 ROOM OR SECTION _____ WEEK ENDING _____

INSTRUMENT TYPE Air monitor SURVEYOR _____ SUPERVISOR Terry

Record one weeks samples. In the column headed "Location and Conditions" give the approximate distance of the sampler from the source of air contamination and whether respiratory protective equipment was used by personnel in the immediate work area during the sampling period.

TOT. ACT. = 56 NO. SAMPLES = 90
AV. ACT. = 0.62 NO. > MAC = 9
% > MAC = 10

Sample No.	Date	Time	Length of Sample (min.)	Flow (cfM)	Location and Conditions	( ) Alpha ( ) Beta (c/m/ft^3)
	3-31-61	4-12				3.55
	"	8-4				0.26
	"	12-8				0.36
	3-30	4-12				0.22
		8-4				0.16
		12-8				0.25
	3-29	4-12				0.56
		8-4				0.42
		12-8				3.13
	3-28	4-12				0.74
		8-4				0.81
		12-8				4.84
	3-27	4-12				2.02
		8-4				0.45
		12-8				0.38
	3-26	4-12				0.76
		8-4				0.43
		12-8				0.48
	3-25	4-12				0.58
		8-4				0.61
		12-8				0.56
	3-24	4-12				2.43
		8-4				3.79
		12-8				0.56
	3-23	4-12				0.83
		8-4				2.40
		12-8				0.55
	3-22	4-12				0.49
		8-4				0.39
		12-8				0.65
	3-21	4-12				0.89
		8-4				4.06
		12-8				5.02

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WCX-1318 (Dec'48)

ROUTINE AIRBORNE CONTAMINATION REPORT

BUILDING K-413 Maint Shop ROOM OR SECTION _____ WEEK ENDING _____

INSTRUMENT TYPE _____ SURVEYOR _____ SUPERVISOR Terry

Record one weeks samples. In the column headed "Location and Conditions" give the approximate distance of the sampler from the source of air contamination and whether respiratory protective equipment was used by personnel in the immediate work area during the sampling period.

Sample No.	Date	Time	Length of Sample (min.)	Flow (cfM)	Location and Conditions	( ) Alpha ( ) Beta (c/m/ft^3)
	3-20	4-12				0.51
	"	8-4				0.36
		12-8				0.37
	3-19	4-12				0.23
		8-4				0.27
		12-8				0.49
	3-18	4-12				0.37
		8-4				0.15
		12-8				0.10
	3-17	4-12				0.13
		8-4				0.12
		12-8				0.29
	3-16	4-12				0.[illegible]
		8-4				[illegible]
		12-8				[illegible]
	3-15	4-12				0.25
		8-4				[illegible]
		12-8				[illegible]
	3-14	4-12				[illegible]
		8-4				0.14
		12-8				
	3-13	4-12				
		8-4				
		12-8				0.17
	3-12	4-12				0.09
		8-4				0.10
		12-8				0.12
	3-11	4-12				0.19
		8-4				0.19
		12-8				0.23
	3-10	4-12				0.79
		8-4				0.18
		12-8				0.22

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WCX-1318 (Dec'48)

ROUTINE AIRBORNE CONTAMINATION REPORT

BUILDING K-413 ROOM OR SECTION _____ WEEK ENDING _____

INSTRUMENT TYPE _____ SURVEYOR _____ SUPERVISOR Terry

Record one weeks samples. In the column headed "Location and Conditions" give the approximate distance of the sampler from the source of air contamination and whether respiratory protective equipment was used by personnel in the immediate work area during the sampling period.

Sample No.	Date	Time	Length of Sample (min.)	Flow (cfM)	Location and Conditions	( ) Alpha ( ) Beta (c/m/ft^3)
	3-9	4 - 12				0.16
		8 - 4				0.23
		12 - 8				0.18
		4 - 12				0.32
		8 - 4				0.41
		12 - 8				0.11
	3-7	4 - 12				0.10
		8 - 4				0.13
		12 - 8				0.11
	3-6	4 - 12				0.11
		8 - 4				0.16
		12 - 8				0.17
	3-5	4 - 12				0.11
		8 - 4				0.15
		12 - 8				0.15
	3-4	4 - 12				0.13
		8 - 4				0.15
		12 - 8				0.22
	3-3	4 - 12				0.16
		8 - 4				0.21
		12 - 8				0.22
	3-2	4 - 12				0.15
		8 - 4				0.16
		12 - 8				0.15
	3-1	4 - 12				0.26
		8 - 4				0.28
		12 - 8				0.14

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WCX-1318 (Dec'48)

ROUTINE AIRBORNE CONTAMINATION REPORT

BUILDING K-413 ROOM OR SECTION _____ WEEK ENDING Feb 1961

INSTRUMENT TYPE MAINT SURVEYOR _____ SUPERVISOR Terry

Record one weeks samples. In the column headed "Location and Conditions" give the approximate distance of the sampler from the source of air contamination and whether respiratory protective equipment was used by personnel in the immediate work area during the sampling period.

Tot. Act. = 21 No. Samples = 84
Av. Act. = 0.25 No. > PAL = 0
% > PAL = 0

Sample No.	Date	Time	Length of Sample (min.)	Flow (cfM)	Location and Conditions	( ) Alpha ( ) Beta (c/m/ft^3)
	2-5	4 - 12				0.13
		8 - 4				0.30
		12 - 8				0.11
	2-4	4 12				0.10
		8 4				0.10
		12 8				0.12
	2-3	4 12				0.13
		8 4				0.22
		12 8				0.13
	2-2	4 12				0.15
		8 4				0.21
		12 8				0.19
	2-1	4 12				0.17
		8 4				0.21
		12 8				0.15
	2-15	4 12				0.36
		8 4				0.21
		12 8				0.36

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WCX-1318 (Dec'48)

ROUTINE AIRBORNE CONTAMINATION REPORT

BUILDING_____ROOM OR SECTION_____WEEK ENDING Feb 186

INSTRUMENT TYPE_____SURVEYOR_____SUPERVISOR_____

Record one weeks samples. In the column headed "Location and Conditions" give the approximate distance of the sampler from the source of air contamination and whether respiratory protective equipment was used by personnel in the immediate work area during the sampling period.

Sample No.	Date	Time	Length of Sample (min.)	Flow (cfM)	Location and Conditions	( ) Alpha ( ) Beta (c/m/ft^3)
	2-17	4-12				0.41
		8-4				0.37
		12 8				0.39
	2-16	4 12				0.26
		8 4				0.23
		12 8				0.33
	2-14	4 12				0.19
		8 4				0.23
		12 8				0.23
	2-13	4 12				0.14
		8 4				0.29
		12 8				0.43
	2-12	4 12				0.13
		8 4				0.22
		12 8				0.29
	2-11	4 12				0.17
		8 4				0.23
		12 8				0.21
	2-10	4 12				0.83
		8 4				0.76
		12 8				0.12
	2-9	4 12				0.18
		8 4				0.15
		12 8				0.17
	2-8	4 12				0.18
		8 4				0.42
		12 8				0.11
	2-7	4 12				0.13
		8 4				0.16
		12 8				0.12
	2-6	4 12				0.13
		8 4				0.21
		12 8				0.14

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WCX-1318 (Dec'48)

ROUTINE AIRBORNE CONTAMINATION REPORT

BUILDING K-413 ROOM OR SECTION _____ WEEK ENDING Feb 1966

INSTRUMENT TYPE Air monitor SURVEYOR _____ SUPERVISOR Terry

Record one weeks samples. In the column headed "Location and Conditions" give the approximate distance of the sampler from the source of air contamination and whether respiratory protective equipment was used by personnel in the immediate work area during the sampling period.

Sample No.	Date	Time	Length of Sample (min.)	Flow (cfM)	Location and Conditions	( ) Alpha ( ) Beta (c/m/ft^3)
	2-28	4-12				0.15
		8-4				0.18
		12-8				0.12
	2-27	4-12				0.15
		8-4				0.17
		12-8				0.20
	2-26	4 12				0.20
		8 4				0.24
		12 8				0.33
	2-25	4 12				0.40
		8 4				0.41
		12 8				0.58
	2-24	4 12				0.25
		8 4				0.33
		12 8				0.33
	2-23	4 12				0.48
		8 4				0.32
		12 8				0.22
	2-22	4 12				0.16
		8 4				0.15
		12 8				0.16
	2-21	4 12				0.19
		8 4				0.33
		12 8				0.27
	2-20	4 12				0.30
		8 4				0.41
		12 8				0.41
	2-19	4 12				0.30
		8 4				0.28
		12 8				0.25
	2-18	4 12				0.26
		8 4				0.35
		12 8				0.42

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WCX-1318 (Dec'48)

ROUTINE AIRBORNE CONTAMINATION REPORT

BUILDING K-413 Maint ROOM OR SECTION _____ WEEK ENDING Jan 1961

INSTRUMENT TYPE _____ SURVEYOR _____ SUPERVISOR _____

Record one weeks samples. In the column headed "Location and Conditions" give the approximate distance of the sampler from the source of air contamination and whether respiratory protective equipment was used by personnel in the immediate work area during the sampling period.

Tot. Act. = 18 NO. SAMPLES = 93
Av. Act. = 0.19 NO. > PAL = 0
% > PAL = 0

Sample No.	Date	Time	Length of Sample (min.)	Flow (cfM)	Location and Conditions	(X) Alpha ( ) Beta (c/m/ft^3)
	1-1-61	12-8				0.10
		8-4				0.08
		4-12				0.08
	1-2	12-8				0.08
		8-4				0.10
		4-12				0.10
	1-3	12-8				0.10
		8-4				0.19
		4-12				0.17
	1-4	12-8				0.19
		8-4				0.20
		4-12				0.18
	1-5	12-8				0.21
		8-4				0.27
		4-12				0.16
	1-6	12-8				0.19
		8-4				0.24
		4-12				0.15
	1-7	12-8				0.23
		8-4				0.21
		4-12				0.15
	1-8	12-8				0.15
		8-4				0.15
		4-12				0.12
	1-9	12-8				0.12
		8-4				0.88
		4-12				0.33
	1-10	12-8				0.24
		8-4				0.31
		4-12				0.32
	1-11	12-8				0.37
		8-4				0.33
		4-12				0.26

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ROUTINE AIRBORNE CONTAMINATION REPORT

BUILDING K-413 ROOM OR SECTION _____ WEEK ENDING Jan 1961

INSTRUMENT TYPE _____ SURVEYOR _____ SUPERVISOR _____

Record one weeks samples. In the column headed "Location and Conditions" give the approximate distance of the sampler from the source of air contamination and whether respiratory protective equipment was used by personnel in the immediate work area during the sampling period.

Sample No.	Date	Time	Length of Sample (min.)	Flow (cfM)	Location and Conditions	(✓) Alpha ( ) Beta (c/m/ft³)
	1-12-61	12-8				0.28
		8-4				0.20
		4-12				0.22
	1-13	12-8				0.35
		8-4				0.27
		4-12				0.15
	1-14	12-8				0.16
		8-4				0.11
		4-12				0.12
	1-15	12-8				0.12
		8-4				0.11
		4-12				0.35
	1-16	12-8				0.13
		8-4				0.31
		4-12				0.17
	1-17	12-8				0.17
		8-4				0.12
		4-12				0.15
	1-18	12-8				0.15
		8-4				0.29
		4-12				0.26
	1-19	12-8				0.34
		8-4				0.34
		4-12				0.24
	1-20	12-8				0.17
		8-4				0.21
		4-12				0.12
	1-21	12-8				0.16
		8-4				0.11
		4-12				0.11
	1-22	12-8				0.12
		8-4				0.12
		4-12				0.10

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ROUTINE AIRBORNE CONTAMINATION REPORT

BUILDING K-413 ROOM OR SECTION _____ WEEK ENDING Jan 1961

INSTRUMENT TYPE _____ SURVEYOR _____ SUPERVISOR _____

Record one weeks samples. In the column headed "Location and Conditions" give the approximate distance of the sampler from the source of air contamination and whether respiratory protective equipment was used by personnel in the immediate work area during the sampling period.

Sample No.	Date	Time	Length of Sample (min.)	Flow (cfM)	Location and Conditions	( ) Alpha ( ) Beta (c/m/ft^3)
	1-23-61	12-8				0.10
	1-	8-4				0.24
		4-12				0.14
	1-24	12-8				0.21
		8-4				0.19
		4-12				0.10
	1-25	12-8				0.09
		8-4				0.11
		4-12				0.10
	1-26	12-8				0.12
		8-4				0.12
		4-12				0.29
	1-27	12-8				0.16
		8-4				0.42
		4-12				0.23
	1-28	12-8				0.26
		8-4				0.15
		4-12				0.14
	1-29	12-8				0.19
		8-4				0.13
		4-12				0.12
	1-30	12-8				0.17
		8-4				0.15
		4-12				0.11
	1-31	12-8				0.15
		8-4				0.19
		4-12				0.22

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Operating Supervisor

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WCX-1318 (Dec'48)

Mr. J. C. Worthington
Mr. ~~A. F. Becher~~

L.T. Air

~~MATERIAL RELEASE AND~~ OVER - P.A.L. AIR SAMPLING

LOCATION		OPERATION INVOLVED
K-413 Maintenance Shop		

T F MATERIAL	DURATION OF RELEASE	AMOUNT OF MATERIAL

DATE	SAMPLE TIME	AIR ACTIVITY
3-21-61 to 3-31-61		C/M/ft³

RESPIRATORY PROTECTION WORN

AREA INVOLVED

EMPLOYEES EXPOSED OR REFERRED TO DISPENSARY

NAME	BADGE NO.	LOCATION IN AREA

ALL PERSONS ROUTINELY ASSIGNED TO AREA WERE ON INDUSTRIAL RECHECK		FREQUENCY
☐ Yes	☐ No	
SURFACE CONTAMINATION LEVEL c/m	DECONTAMINATION STARTED	DECONTAMINATION COMPLETED

LIST ALL LOCATIONS WHICH ARE ABOVE TOLERANCE AFTER DECONTAMINATION

READING	LOCATION	READING	LOCATION

DESCRIPTION OF INCIDENT During the period between March 21 and 31, 1961, the average air activity for a 8-hour shift exceeded the P.A.L. on 9 occasions in the K-413 Maintenance Shop. These occurred simultaneously with venting ash receivers at the K-1410 facility at which time visible material was noted coming out the stack. At the same time, the weather was damp and fumes remained near the ground. The double doors on the north side of K-413 were open a great part of the time and the building vent fans pulled air through these doors from the direction of the K-1410 Building. The process group in the K-413 Building indicated that no significant releases were experienced and on some occasions there were no maintenance activities in the building when high air activity was experienced.

The chemical division was contacted on several occasions concerning this problem and it was finally agreed to stop operations until a filter or a scrubber can be provided. Tests have bee made of filterable materials to determine their resistivity to HF and dust collecting efficiency. Nothing better than the filters now being used in the Feed Plant have been found. A steam scrubber has been recommended but was not adopted due to corrosion problems and maintenance.

I trial Hygiene was notified of the incident since this may influence their urinary findings

WPE:erc
4-28-61

SIGNATURE W. P. Ellis
W. P. Ellis

· Over PAL air samples occurred during periods when ash receivers were being exhausted at K-1410. Mulder discussed the problem with Chemical Div Personnel—

12-4-61

K-413 More PAL
Samples JW

0 0 0 2 1	Nov 66 6 27 AM '61
0 0 0 1 5	Nov 5 10 27 PM '61
0 0 0 1 6	Nov 5 2 27 PM '61
0 0 0 1 6	Nov 5 6 27 AM '61
0 0 0 1 5	Nov 4 10 27 PM '61
0 0 0 1 2	Nov 4 2 27 PM '61
0 0 0 1 2	Nov 4 6 27 AM '61
0 0 0 1 2	Nov 3 10 27 PM '61
0 0 0 1 8	Nov 3 2 27 PM '61
0 0 0 1 4	Nov 33 6 27 AM '61
0 0 0 1 6	Nov 2 10 51 PM '61
0 0 0 2 5	Nov 2 2 51 PM '61
0 0 0 3 5	Nov 2 6 51 AM '61
0 0 0 2 2	Nov 1 10 51 PM '61
0 0 0 1 3	Nov 1 2 51 PM '61
0 0 0 0 2	Nov 1 6 51 AM '61
0 0 0 0 0	Nov 1 5 56 AM '61
0 0 0 0 7	Nov 11 5 55 AM '61

TOT. ACT. = 8.7 NO. SAMPLES = 55
AV. ACT. = 0.16 NO. > PAL = 0
% > PAL = 0

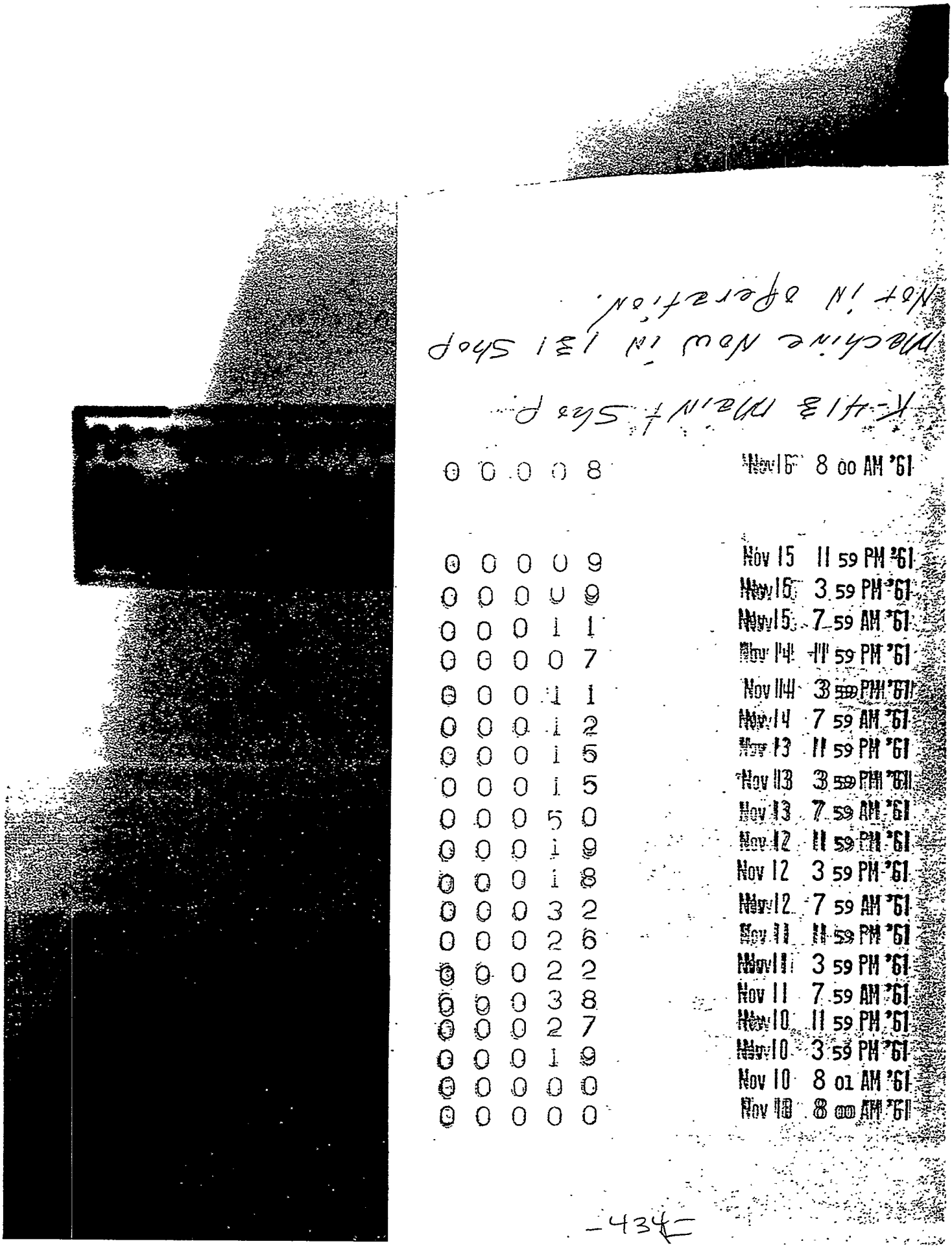
K-1413 Maint Shop
NOV. 61

#7 Transuranic
#1413 Maint Shop
11-1-61

0 0 0 3 9	Nov 10 7 48 AM '61
0 0 0 0 0	Nov 10 7 36 AM '61
0 0 0 0 0	Nov 10 7 35 AM '61

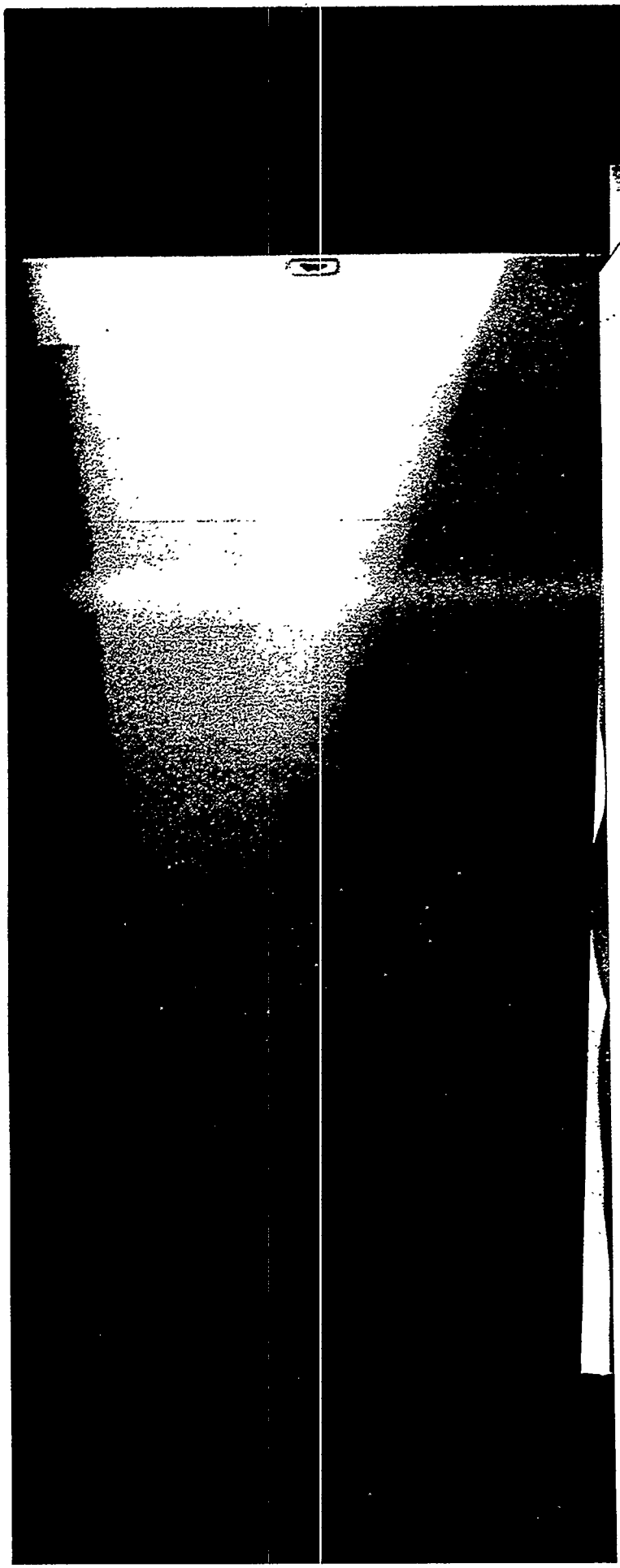
cal. check ok
11-10-61
Inst. Dept.

0 0 0 2 0	Nov 10 7 35 AM '61
0 0 0 1 3	Nov 99 11 50 PM '61
0 0 0 1 0	Nov 99 3 50 PM '61
0 0 0 2 3	Nov 9 7 50 AM '61
0 0 0 1 0	Nov 8 11 50 PM '61
0 0 0 1 5	Nov 8 3 50 PM '61
0 0 0 2 9	Nov 8 7 50 AM '61
0 0 0 1 3	Nov 7 11 50 PM '61
0 0 0 1 4	Nov 7 3 50 PM '61
0 0 0 1 7	Nov 7 7 58 AM '61
0 0 0 2 1	Nov 6 11 58 PM '61
0 0 0 2 1	Nov 6 3 58 PM '61
0 0 0 0 1	Nov 6 7 58 AM '61
0 0 0 0 0	Nov 6 7 50 AM '61
0 0 0 0 3	Nov 6 7 53 AM '61



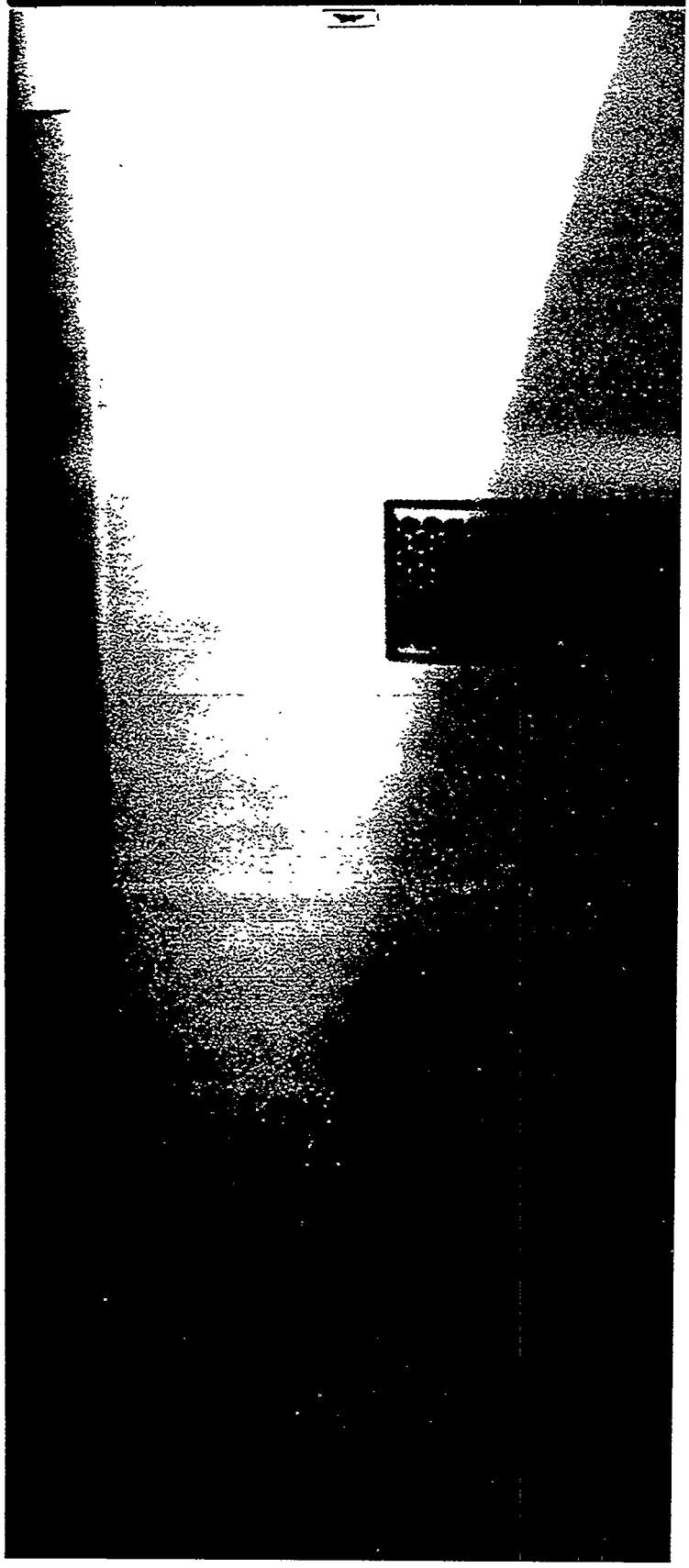
K-413 Main Shaft
Machine Now in 131 Shop
Not in operation.

Nov 15 11 59 PM '61	0 0 0 0 9
Nov 15 3 59 PM '61	0 0 0 0 9
Nov 15 7 59 AM '61	0 0 0 1 1
Nov 14 11 59 PM '61	0 0 0 0 7
Nov 14 3 59 PM '61	0 0 0 1 1
Nov 14 7 59 AM '61	0 0 0 1 2
Nov 13 11 59 PM '61	0 0 0 1 5
Nov 13 3 59 PM '61	0 0 0 1 5
Nov 13 7 59 AM '61	0 0 0 5 0
Nov 12 11 59 PM '61	0 0 0 1 9
Nov 12 3 59 PM '61	0 0 0 1 8
Nov 12 7 59 AM '61	0 0 0 3 2
Nov 11 11 59 PM '61	0 0 0 2 6
Nov 11 3 59 PM '61	0 0 0 2 2
Nov 11 7 59 AM '61	0 0 0 3 8
Nov 10 11 59 PM '61	0 0 0 2 7
Nov 10 3 59 PM '61	0 0 0 1 9
Nov 10 8 01 AM '61	0 0 0 0 0
Nov 10 8 00 AM '61	0 0 0 0 0
Nov 16 8 00 AM '61	0 0 0 0 8



#7 on counter
7/13 on Shelf
11-1-61

0 0 0 0 9	Oct 29 11 59 PM '61
0 0 0 0 8	Oct 29 3 59 PM '61
0 0 0 1 0	Oct 29 7 59 AM '61
0 0 0 1 0	Oct 28 11 59 PM '61
0 0 0 2 4	Oct 28 3 59 PM '61
0 0 0 6 1	Oct 28 7 59 AM '61
0 0 0 2 9	Oct 27 11 59 PM '61
0 0 0 3 5	Oct 27 3 59 PM '61
0 0 0 6 8	Oct 27 7 59 AM '61
0 0 0 3 0	Oct 26 11 59 PM '61
0 0 0 2 3	Oct 26 3 59 PM '61
0 0 0 0 3	Oct 26 7 59 AM '61
Calab. L.Q. 10-26-61 ok	
0 0 0 7 7	Oct 26 7 23 AM '61
0 0 0 1 3	Oct 26 7 09 AM '61
0 0 0 0 9	Oct 25 11 59 PM '61
0 0 0 2 0	Oct 25 3 59 PM '61
0 0 0 4 1	Oct 25 7 59 AM '61
0 0 0 2 0	Oct 24 11 59 PM '61
0 0 0 2 6	Oct 24 3 59 PM '61
0 0 0 6 9	Oct 24 7 59 AM '61
0 0 0 4 6	Oct 23 11 59 PM '61
0 0 0 3 0	Oct 23 3 59 PM '61
0 0 0 6 4	Oct 23 7 59 AM '61
0 0 0 2 2	Oct 22 11 59 PM '61
0 0 0 2 3	Oct 22 3 59 PM '61
0 0 0 3 0	Oct 22 7 59 AM '61
0 0 0 2 0	Oct 21 11 59 PM '61
0 0 0 1 7	Oct 21 3 59 PM '61
0 0 0 1 7	Oct 21 7 59 AM '61
0 0 0 1 8	Oct 20 11 59 PM '61
0 0 0 2 0	Oct 20 3 59 PM '61
0 0 0 1 4	Oct 20 7 59 AM '61
0 0 0 1 3	Oct 19 11 59 PM '61
0 0 0 0 7	Oct 19 3 59 PM '61



0 0 0 0 1	Oct 19 9 24 AM '61
0 0 0 0 8	Oct 19 7 59 AM '61
0 0 0 0 9	Oct 18 11 59 PM '61
0 0 0 2 8	Oct 18 3 59 PM '61
0 0 0 4 0	Oct 18 7 59 AM '61
0 0 0 2 0	Oct 17 11 59 PM '61
0 0 0 2 9	Oct 17 3 59 PM '61
0 0 0 4 1	Oct 17 7 59 AM '61
0 0 0 2 0	Oct 16 11 59 PM '61
0 0 0 3 2	Oct 16 3 59 PM '61
0 0 0 3 2	Oct 16 7 59 AM '61
0 0 0 1 8	Oct 15 11 59 PM '61
0 0 0 1 3	Oct 15 3 59 PM '61
0 0 0 2 3	Oct 15 7 59 AM '61
0 0 0 1 5	Oct 14 11 59 PM '61
0 0 0 1 8	Oct 14 3 59 PM '61
0 0 0 2 3	Oct 14 7 59 AM '61
0 0 0 2 8	Oct 13 11 59 PM '61
0 0 0 2 5	Oct 13 3 59 PM '61
0 0 0 3 1	Oct 13 7 59 AM '61
0 0 0 2 0	Oct 12 11 59 PM '61
0 0 0 2 3	Oct 12 3 59 PM '61
0 0 0 2 9	Oct 12 7 59 AM '61
0 0 0 1 8	Oct 11 11 59 PM '61
0 0 0 1 6	Oct 11 3 59 PM '61
0 0 0 3 4	Oct 11 7 59 AM '61
0 0 0 1 6	Oct 10 11 59 PM '61
0 0 0 1 4	Oct 10 3 59 PM '61
0 0 0 3 2	Oct 10 7 59 AM '61
0 0 0 1 4	Oct 9 11 59 PM '61
0 0 0 1 4	Oct 9 3 59 PM '61
0 0 0 3 4	Oct 9 7 59 AM '61
0 0 0 1 6	Oct 8 11 59 PM '61
0 0 0 1 4	Oct 8 3 59 PM '61
0 0 0 2 7	Oct 8 7 59 AM '61
0 0 0 1 7	Oct 7 11 59 PM '61
0 0 0 1 3	Oct 7 3 59 PM '61
0 0 0 2 7	Oct 7 7 59 AM '61
0 0 0 1 8	Oct 6 11 59 PM '61
0 0 0 1 7	Oct 6 3 59 PM '61
0 0 0 0 1	Oct 6 7 59 AM '61
0 0 0 0 1	Oct 6 7 32 AM '61

-436- Check '61 INST. DEPT.

0 0 0 3 2	Oct 65 12 03 AM '61
0 0 0 1 7	Oct 5 4 03 PM '61
0 0 0 3 7	Oct 5 8 03 AM '61
0 0 0 2 2	Oct 5 12 03 AM '61
0 0 0 1 5	Oct 4 4 03 PM '61
0 0 0 2 2	Oct 4 8 03 AM '61
0 0 0 1 5	Oct 4 12 03 AM '61
0 0 0 1 1	Oct 3 4 03 PM '61
0 0 0 1 3	Oct 33 8 03 AM '61
0 0 0 1 4	Oct 3 12 03 AM '61
0 0 0 1 7	Oct 2 4 03 PM '61
0 0 0 2 0	Oct 2 8 03 AM '61

NO. K-413
MAINT Shop.
10-2-61

TOT. ACT. = 95 NO. samples = 96
AV. ACT. = 6.99 NO. > PAL = 0
% > PAL = 0

→ K-413 Maint
Oct. '61

0 0 0 1 7	Sep 32 12 03 AM '61
0 0 0 1 5	Sep 31 4 03 PM '61
0 0 0 4 1	Sep 31 8 03 AM '61

~~0 0 0 0 0~~	~~SEP 8 4 03 AM '61~~
0 0 0 0 9	SEP 8 4 03 AM '61
0 0 0 1 0	SEP 7 11 59 PM '61
0 0 0 1 2	SEP 7 3 59 PM '61
0 0 0 2 7	SEP 7 7 59 AM '61
0 0 0 1 4	SEP 6 11 59 PM '61
0 0 0 1 0	SEP 6 3 59 PM '61
0 0 0 1 6	SEP 6 7 59 AM '61
0 0 0 0 9	SEP 5 11 59 PM '61
0 0 0 0 3	SEP 5 3 59 PM '61
0 0 0 0 9	SEP 5 9 02 AM '61
0 0 0 0 8	SEP 2 3 56 PM '61
0 0 0 1 8	SEP 2 7 56 AM '61
0 0 0 1 2	SEP 1 11 56 PM '61
0 0 0 0 9	SEP 1 3 56 PM '61
0 0 0 0 9	SEP 11 7 56 AM '61

Hypothetical
K413 Maint Sep 61

TOT. ACT. = 7.97 NO. SAMPLES = 73
AV. ACT. = 0.11 NO. > PAL = 0
% > PAL = 0

K-413 Maint
Sep. '61

~~0 0 0 0 0~~	~~SEP 15 4 13 AM '61~~
~~0 0 0 0 9~~	~~SEP 15 4 13 AM '61~~

Test ok
7-15-61
FD

~~0 0 0 0 0~~	~~SEP 15 3 57 AM '61~~
0 0 0 0 3	SEP 15 3 57 AM '61
0 0 0 1 0	SEP 14 11 59 PM '61
0 0 0 2 5	SEP 14 3 59 PM '61
0 0 0 1 1	SEP 14 7 59 AM '61
0 0 0 1 0	SEP 13 11 59 PM '61
0 0 0 0 9	SEP 13 3 59 PM '61
0 0 0 1 9	SEP 13 7 59 AM '61
0 0 0 0 9	SEP 12 11 59 PM '61
0 0 0 1 1	SEP 12 3 59 PM '61
0 0 0 2 5	SEP 12 7 59 AM '61
0 0 0 1 4	SEP 11 11 59 PM '61
0 0 0 2 6	SEP 11 3 59 PM '61
0 0 0 3 3	SEP 11 7 59 AM '61
0 0 0 1 4	SEP 10 11 59 PM '61
0 0 0 1 2	SEP 10 3 59 PM '61
0 0 0 2 8	SEP 10 7 59 AM '61
0 0 0 1 5	SEP 9 11 59 PM '61
0 0 0 1 3	SEP 9 3 59 PM '61
0 0 0 2 0	SEP 9 7 59 AM '61
0 0 0 1 2	SEP 8 11 59 PM '61
0 0 0 1 2	SEP 8 3 59 PM '61
~~0 0 0 7 5~~	~~SEP 8 7 59 AM '61~~

~~0 0 0 0 0~~	~~SEP 8 4 03 AM '61~~
0 0 0 0 9	SEP 8 4 03 AM '61
0 0 0 1 0	SEP 7 11 59 PM '61
0 0 0 1 2	SEP 7 3 59 PM '61

0	0	0	0	0	SEP 27 5 32 AM '61
0	0	0	0	0	SEP 27 5 32 AM '61
0	0	0	0	0	SEP 27 12 03 AM '61
0	0	0	0	0	SEP 26 4 03 PM '61
0	0	0	0	0	SEP 26 8 03 AM '61
0	0	0	0	0	SEP 26 12 03 AM '61
0	0	0	0	0	SEP 25 4 03 PM '61
0	0	0	0	0	SEP 25 8 03 AM '61
0	0	0	0	0	SEP 25 12 03 AM '61
0	0	0	0	0	SEP 24 4 03 PM '61
0	0	0	0	0	SEP 24 8 03 AM '61
0	0	0	0	0	SEP 24 12 03 AM '61
0	0	0	0	0	SEP 23 4 03 PM '61
0	0	0	0	0	SEP 23 8 03 AM '61
0	0	0	0	0	SEP 23 12 03 AM '61
0	0	0	0	0	SEP 22 4 03 PM '61
0	0	0	0	2	SEP 22 8 03 AM '61
0	0	0	0	1	SEP 22 12 03 AM '61
0	0	0	0	1	SEP 21 4 03 PM '61
0	0	0	0	0	SEP 21 9 55 PM '61
0	0	0	0	2	SEP 21 9 03 PM '61
0	0	0	0	1	SEP 21 11 03 PM '61
0	0	0	0	1	SEP 21 5 03 AM '61
0	0	0	0	2	SEP 20 9 03 PM '61
0	0	0	0	1	SEP 20 1 03 PM '61
0	0	0	0	1	SEP 20 5 03 AM '61
0	0	0	0	0	SEP 19 9 03 PM '61
0	0	0	0	0	SEP 15 6 22 PM '61
0	0	0	0	2	SEP 15 6 22 PM '61
0	0	0	0	4	SEP 15 3 59 PM '61
0	0	0	0	5	SEP 15 7 59 AM '61

00017	SEP 31 12 03 AM '61
00015	SEP 30 4 03 PM '61
00067	SEP 30 8 03 AM '61
00027	SEP 30 12 03 AM '61
00020	SEP 29 4 03 PM '61

Not Fit for Maint Shop 10-2-61

~~00000~~	~~SEP 29 8 15 AM '61~~
00057	SEP 29 8 15 AM '61
00008	SEP 29 8 03 AM '61

Fuel Cell Grade 7

~~00000~~	~~SEP 29 5 55 AM '61~~
~~00006~~	~~SEP 29 5 55 AM '61~~

~~00000~~	~~SEP 29 12 03 AM '61~~
00000	SEP 28 4 03 PM '61
00000	SEP 28 8 03 AM '61
00000	SEP 28 12 03 AM '61
~~00000~~	~~SEP 27 4 03 PM '61~~
~~00000~~	~~SEP 27 8 03 AM '61~~

Tot. Act. = 13 No. Samples = 96
Av. Act. = 0.14 No. > PAL = 0
% > PAL = 0

F-413 Maint
AUG '61

0 0 0 0 0 Aug 11 9 54 AM '61

0 0 0 0 0 Jul 32 9 53 AM '61
0 0 0 0 3 Jul 32 9 53 AM '61
0 0 0 3 2 Jul 32 7 58 AM '61

0 0 0 0 7	Aug 13 11 58 PM '61
0 0 0 0 5	Aug 13 3 58 PM '61
0 0 0 1 9	Aug 13 7 58 AM '61
0 0 0 0 9	Aug 12 11 58 PM '61
0 0 0 1 6	Aug 12 3 58 PM '61
0 0 0 1 8	Aug 12 7 58 AM '61
0 0 0 3 3	Aug 11 11 58 PM '61
0 0 0 5 7	Aug 11 3 58 PM '61
0 0 0 1 4	Aug 11 7 58 AM '61
0 0 0 3 1	Aug 10 11 58 PM '61
0 0 0 3 0	Aug 10 3 58 PM '61
0 0 0 0 8	Aug 10 7 58 AM '61
~~0 0 0 0 6~~	~~Aug 9 11 58 PM '61~~
~~0 0 0 0 5~~	~~Aug 9 3 58 PM '61~~
0 0 0 5 4	Aug 9 9 50 AM '61
0 0 0 0 1	Aug 9 9 34 AM '61
0 0 0 0 5	Aug 9 7 58 AM '61
0 0 0 0 6	Aug 8 11 58 PM '61
0 0 0 0 4	Aug 8 3 58 PM '61
0 0 0 0 3	Aug 8 7 58 AM '61
0 0 0 0 2	Aug 7 11 58 PM '61
0 0 0 0 2	Aug 7 3 58 PM '61
0 0 0 0 3	Aug 7 7 58 AM '61
0 0 0 0 3	Aug 6 11 58 PM '61
0 0 0 0 3	Aug 6 3 58 PM '61
0 0 0 1 8	Aug 6 7 58 AM '61
0 0 0 0 5	Aug 5 11 58 PM '61
0 0 0 0 3	Aug 5 3 58 PM '61
0 0 0 0 2	Aug 5 7 58 AM '61
0 0 0 0 3	Aug 4 11 58 PM '61
0 0 0 0 3	Aug 4 3 58 PM '61
0 0 0 0 2	Aug 4 7 58 AM '61
0 0 0 0 3	Aug 3 11 58 PM '61
0 0 0 0 6	Aug 3 3 58 PM '61
0 0 0 2 5	Aug 3 7 58 AM '61

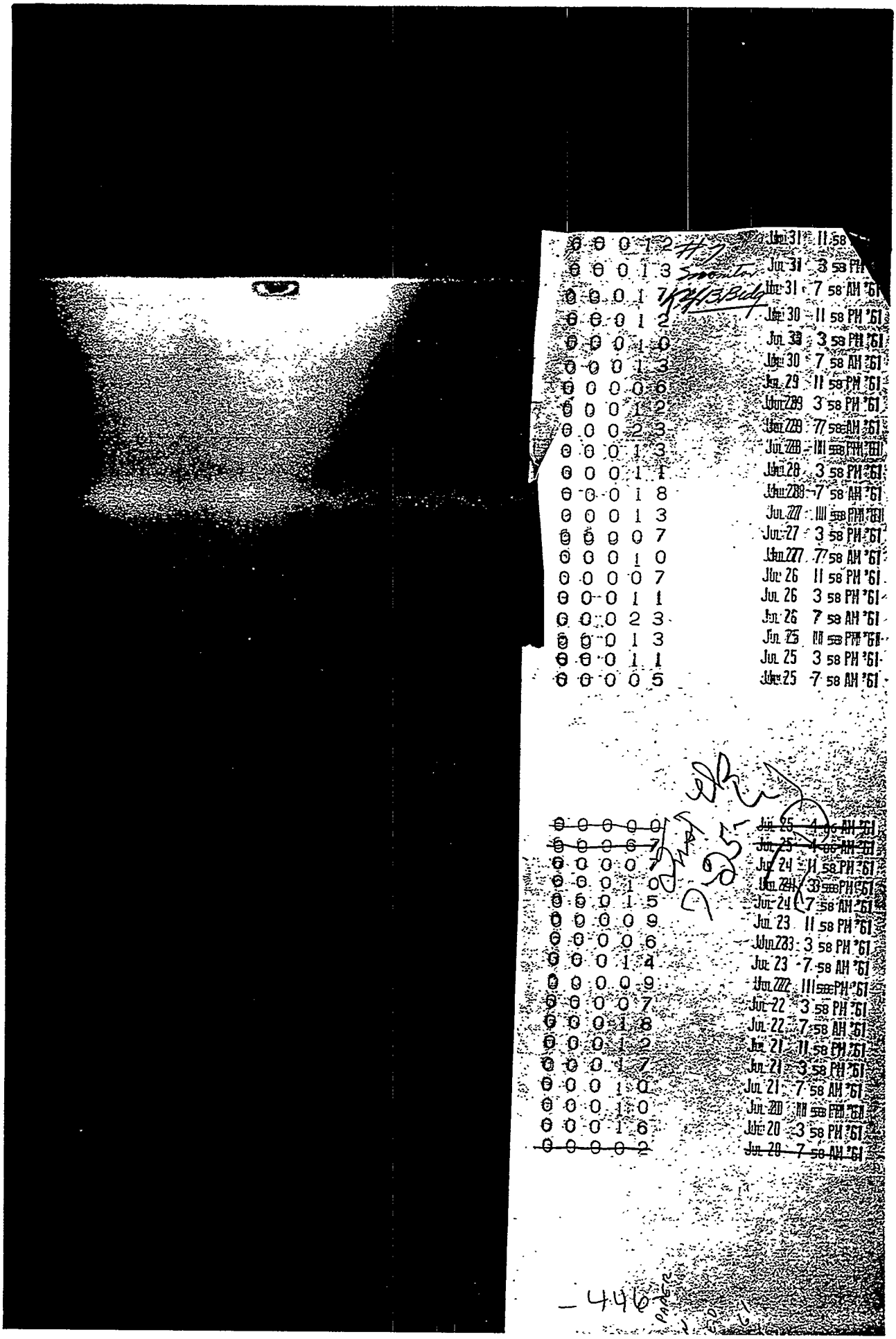
0 0 0 0 8	Aug 23 7 56 AM '61
0 0 0 0 8	Aug 22 11 56 PM '61
0 0 0 1 4	Aug 22 3 56 PM '61
0 0 0 1 3	Aug 22 7 56 AM '61
0 0 0 0 9	Aug 21 11 56 PM '61
0 0 0 1 3	Aug 21 3 56 PM '61
0 0 0 1 1	Aug 21 7 56 AM '61
0 0 0 0 6	Aug 20 11 57 PM '61
0 0 0 1 1	Aug 20 3 56 PM '61
0 0 0 3 0	Aug 20 7 57 AM '61
0 0 0 1 2	Aug 19 11 56 PM '61
0 0 0 0 7	Aug 19 3 56 PM '61
0 0 0 1 1	Aug 19 7 56 AM '61
0 0 0 0 7	Aug 18 11 56 PM '61
0 0 0 0 9	Aug 18 3 56 PM '61
0 0 0 1 8	Aug 18 7 57 AM '61
0 0 0 0 7	Aug 17 11 56 PM '61
0 0 0 0 8	Aug 17 3 57 PM '61

CAL. Check
8-17-61
OK
INST. DEPT.

0 0 0 1 0 Aug 17 8 00 AM '61

#7 Fountain
F-4, 3 Bedg Mag
9-1-61 Shop

0 0 0 0 0	Sep 1 5 17 AM '61
0 0 0 0 0	Aug 32 5 16 AM '61
0 0 0 0 5	Aug 32 5 16 AM '61
0 0 0 0 6	Aug 31 11 56 PM '61
0 0 0 1 0	Aug 31 3 56 PM '61
0 0 0 2 4	Aug 31 7 56 AM '61
0 0 0 1 4	Aug 30 11 56 PM '61
0 0 0 1 2	Aug 30 3 56 PM '61
0 0 0 2 2	Aug 30 7 56 AM '61
0 0 0 0 9	Aug 29 11 56 PM '61
0 0 0 1 0	Aug 29 3 56 PM '61
0 0 0 2 1	Aug 29 7 56 AM '61
0 0 0 1 3	Aug 28 11 56 PM '61
0 0 0 1 5	Aug 28 3 56 PM '61
0 0 0 1 8	Aug 28 7 56 AM '61
0 0 0 1 0	Aug 27 11 56 PM '61
0 0 0 0 6	Aug 27 3 56 PM '61
0 0 0 1 4	Aug 27 7 56 AM '61
0 0 0 0 8	Aug 26 11 56 PM '61
0 0 0 0 7	Aug 26 3 56 PM '61
0 0 0 1 0	Aug 26 7 56 AM '61
0 0 0 0 6	Aug 25 11 56 PM '61
0 0 0 0 8	Aug 25 3 56 PM '61
0 0 0 0 8	Aug 25 7 56 AM '61
0 0 0 0 7	Aug 24 11 56 PM '61
0 0 0 0 9	Aug 24 3 57 PM '61
0 0 0 7 4	Aug 24 7 56 AM '61
0 0 0 0 3	Aug 23 11 56 PM '61



0 0 0 1 2	Jul 31 11 58
0 0 0 1 3	Jul 31 3 58 PM
0 0 0 1 7	Jul 31 7 58 AM '61
0 0 0 1 2	Jul 30 11 58 PM '61
0 0 0 1 0	Jul 30 3 58 PM '61
0 0 0 1 3	Jul 30 7 58 AM '61
0 0 0 0 6	Jul 29 11 58 PM '61
0 0 0 1 2	Jul 29 3 58 PM '61
0 0 0 2 3	Jul 29 7 58 AM '61
0 0 0 1 3	Jul 28 11 58 PM '61
0 0 0 1 1	Jul 28 3 58 PM '61
0 0 0 1 8	Jul 28 7 58 AM '61
0 0 0 1 3	Jul 27 11 58 PM '61
0 0 0 0 7	Jul 27 3 58 PM '61
0 0 0 1 0	Jul 27 7 58 AM '61
0 0 0 0 7	Jul 26 11 58 PM '61
0 0 0 1 1	Jul 26 3 58 PM '61
0 0 0 2 3	Jul 26 7 58 AM '61
0 0 0 1 3	Jul 25 11 58 PM '61
0 0 0 1 1	Jul 25 3 58 PM '61
0 0 0 0 5	Jul 25 7 58 AM '61

~~0 0 0 0 0~~	~~Jul 25 4 06 AM '61~~
~~0 0 0 6 7~~	~~Jul 25 4 06 AM '61~~
0 0 0 0 7	Jul 24 11 58 PM '61
0 0 0 1 0	Jul 24 3 58 PM '61
0 0 0 1 5	Jul 24 7 58 AM '61
0 0 0 0 9	Jul 23 11 58 PM '61
0 0 0 0 6	Jul 23 3 58 PM '61
0 0 0 1 4	Jul 23 7 58 AM '61
0 0 0 0 9	Jul 22 11 58 PM '61
0 0 0 0 7	Jul 22 3 58 PM '61
0 0 0 1 8	Jul 22 7 58 AM '61
0 0 0 1 2	Jul 21 11 58 PM '61
0 0 0 1 7	Jul 21 3 58 PM '61
0 0 0 1 0	Jul 21 7 58 AM '61
0 0 0 1 0	Jul 20 11 58 PM '61
0 0 0 1 6	Jul 20 3 58 PM '61
~~0 0 0 0 2~~	~~Jul 20 7 58 AM '61~~

-446-

FILTER PAPER BROKEN REPAIRED 7-20-61 INST DEPT

0	0	0	1	0		Jul 14 11 57 AM '61
0	0	1	7	3	8-4	Jul 14 3 59 AM '61
0	0	0	1	1		Jul 13 7 59 PM '61
0	0	0	1	6		Jul 13 11 59 AM '61
0	0	0	1	6		Jul 13 3 59 AM '61
0	0	0	1	0		Jul 12 7 59 PM '61
0	0	0	1	5		Jul 12 11 59 AM '61
0	0	0	1	8		Jul 12 3 59 AM '61
0	0	0	3	9		Jul 11 7 59 PM '61
0	0	0	1	4		Jul 11 11 59 AM '61
0	0	0	1	2		Jul 11 3 59 AM '61
0	0	0	3	1		Jul 10 7 59 PM '61
0	0	0	0	8		Jul 10 11 59 AM '61
0	0	0	0	6		Jul 10 3 59 AM '61
0	0	0	1	3		Jul 9 7 59 PM '61
0	0	0	0	9		Jul 9 11 59 AM '61
0	0	0	0	7		Jul 9 3 59 AM '61
0	0	0	1	2		Jul 8 7 59 PM '61
0	0	0	1	2		Jul 8 11 59 AM '61
0	0	0	0	3		Jul 8 3 59 AM '61

LLED FILTER
R
IME

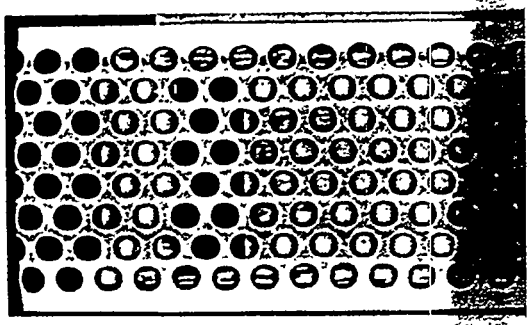
7-7-61
INST. DEPT.

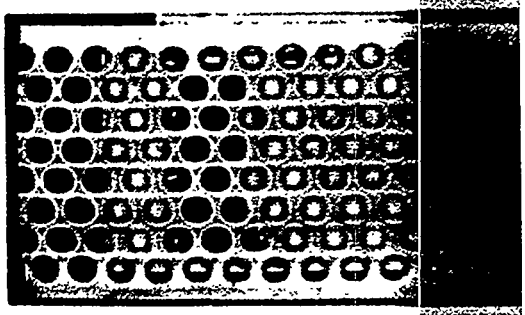
Tot. Act. = 11 No. samples = 66
Av. Act. = 0.17 No. > PAL = 0
% > PAL = 0

K-413 MAINT
JUL '61

JUL 14

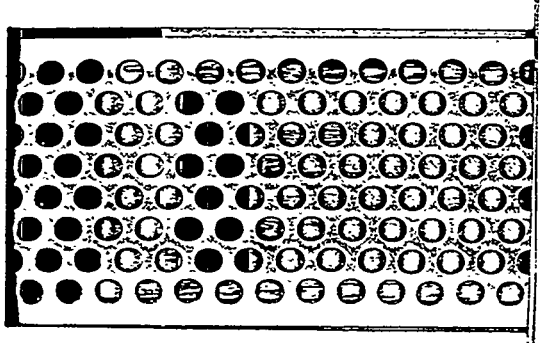
0 0 0 1 4	JUN 32 11 59 PM '61
0 0 0 1 6	JUN 32 3 59 PM '61
0 0 0 3 6	JUN 32 7 59 AM '61
0 0 0 1 2	JUN 31 11 59 PM '61
0 0 0 1 3	JUN 31 3 59 PM '61
0 0 0 3 0	JUN 31 7 59 AM '61





0 0 0 1 8	Jun 30 11 59 PM '61
0 0 0 0 7	Jun 30 3 59 PM '61
~~0 0 0 0 1~~	~~Jun 30 9 21 AM '61~~
0 0 0 0 1	Jun 30 7 59 AM '61
0 0 0 0 1	Jun 29 11 59 PM '61
0 0 0 0 1	Jun 29 3 59 PM '61
0 0 0 0 1	Jun 29 7 59 AM '61
0 0 0 0 1	Jun 28 11 59 PM '61
0 0 0 0 1	Jun 28 4 00 PM '61
0 0 0 0 1	Jun 28 8 00 AM '61
0 0 0 0 1	Jun 28 5 45 AM '61
0 0 0 0 0	Jun 28 5 45 AM '61
0 0 0 6 0	
0 0 0 0 0	Jun 28 5 29 AM '61
0 0 0 1 8	Jun 28 5 29 AM '61
0 0 0 1 3	Jun 28 12 00 AM '61
0 0 0 1 0	Jun 27 4 00 PM '61
0 0 0 1 9	Jun 27 8 00 AM '61
0 0 0 1 2	Jun 27 12 00 AM '61
0 0 0 1 2	Jun 26 4 00 PM '61
0 0 0 2 2	Jun 26 8 00 AM '61
0 0 0 1 1	Jun 26 12 00 AM '61
0 0 0 0 8	Jun 25 4 00 PM '61
0 0 0 2 4	Jun 25 8 00 AM '61
0 0 0 1 2	Jun 25 12 00 AM '61
0 0 0 1 0	Jun 24 4 00 PM '61
0 0 0 1 7	Jun 24 8 00 AM '61
0 0 0 2 2	Jun 24 12 00 AM '61
0 0 0 7 1	Jun 23 4 00 PM '61

No 7 41 3
Maint Shop
7-3-61



0 0 0 0 0	JUN 23 8 21 AM '61
0 0 0 0 5	JUN 23 8 21 AM '61
0 0 0 5 6	JUN 23 8 00 AM '61
0 0 1 2 4	JUN 23 12 00 AM '61
0 0 1 2 4	JUN 22 4 00 PM '61
0 0 0 5 0	JUN 22 8 00 AM '61
0 0 0 0 8	JUN 22 12 00 AM '61
0 0 0 0 8	JUN 21 4 00 PM '61

TOT. ACT. = 2.7 NO. SAMPLES = 27

AV. ACT. = NO. > P.A.L. = 0

% > P.A.L. = 0

K-413 MAINT SHOP
JUN '61

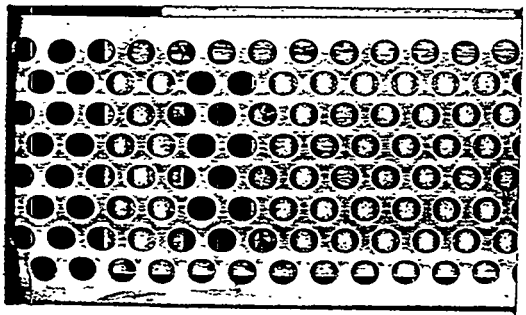
ALL K-413
JUNE 1961

TOT. ACT. = 11 NO. SAMPLES = 88

AV. ACT. = 0.13 NO. > PAL = 0

% > PAL = 0

0 0 0 0 1 JUN 21 8 15 AM '61



0 0 0 0 1		
~~0 0 0 0 1~~	~~Jun 30 9 21 AM '61~~	
0 0 0 0 1	Jun 30 7 59 AM '61	
0 0 0 0 1	Jun 29 11 59 PM '61	
0 0 0 0 1	Jun 29 3 59 PM '61	
0 0 0 0 1	Jun 29 7 59 AM '61	
0 0 0 0 1	Jun 28 11 59 PM '61	
0 0 0 0 1	Jun 28 4 00 PM '61	
0 0 0 0 1	Jun 28 8 00 AM '61	
0 0 0 0 0	Jun 28 5 45 AM '61	
0 0 0 0 0	Jun 28 5 45 AM '61	
0 0 0 0 0	Jun 28 5 29 AM '61	
0 0 0 1 8	Jun 28 5 29 AM '61	
0 0 0 1 3	Jun 28 12 00 AM '61	
0 0 0 1 0	Jun 27 4 00 PM '61	
0 0 0 1 9	Jun 27 8 00 AM '61	
0 0 0 1 2	Jun 27 12 00 AM '61	
0 0 0 1 2	Jun 26 4 00 PM '61	
0 0 0 2 2	Jun 26 8 00 AM '61	
0 0 0 1 1	Jun 26 12 00 AM '61	
0 0 0 0 8	Jun 25 4 00 PM '61	
0 0 0 2 4	Jun 25 8 00 AM '61	
0 0 0 1 2	Jun 25 12 00 AM '61	
0 0 0 1 0	Jun 24 4 00 PM '61	
0 0 0 1 7	Jun 24 8 00 AM '61	
0 0 0 2 2	Jun 24 12 00 AM '61	
0 0 0 7 1	Jun 23 4 00 PM '61	
~~0 0 0 0 0~~	~~Jun 23 8 21 AM '61~~	
~~0 0 0 0 5~~	~~Jun 23 8 21 AM '61~~	
~~0 0 0 5 6~~	~~Jun 23 8 00 AM '61~~	
~~0 0 1 2 4~~	~~Jun 23 12 00 AM '61~~	
~~0 0 1 2 4~~	~~Jun 22 4 00 PM '61~~	
~~0 0 0 5 0~~	~~Jun 22 8 00 AM '61~~	
~~0 0 0 0 8~~	~~Jun 22 12 00 AM '61~~	
~~0 0 0 0 8~~	~~Jun 21 4 00 PM '61~~	
~~0 0 0 0 1~~	~~Jun 21 9 15 AM '61~~	

No. 7 413 Maint Shop 7-3-61

Tot. Act. = 2.7 No. samples = 27
Av. Act. = No. > P.A.L. = 0
% > P.A.L. = 0

K-413 Maint Shop
JUN '61

ALL K-413 JUNE 1961

Tot. Act. = 11 No. samples = 88
Av. Act. = 0.13 No. > PAL = 0
% > PAL = 0

RADIATION MONITORIN ND CONTROL REPORT

Division: Maintenance
Department: 1005
Location: K-413 lubrication shop

Date: 5-26-61 JW

Checked by: B C Burell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft²	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft³)	Alpha Counts/min/ft³
floor area		250	<100							
equipment		300	<100							
				pd						
				L						
							Safety and Health Physics			
							1961 JUN 12 PM 3:24			

Action Taken: None Necessary.

(over)

Approved: [signature]
Operating Supervisor

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RADIATION MONITORIN ND CONTROL REPORT

Division Maintenance
Department 1002
Location K-413 lunch room

Date 5-19-61
Checked by B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
		Surface	Wipe	Surface	1 ft	Distance (ft)				
						Safety and Health Physics				
						1961 JUN 12	PM 3:24			

Action Taken: # 10 Checked < Pal radiation on hands, shoes, clothes
12 Total Personnel Checked
exchanged his gloves and washed shoes to within the Pal.
exchanged his shoe strings.

(over)

Approved Clyde Dunn
Operating Supervisor

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RADIATION MONITORIN(ND CONTROL REPORT

Division Maintenance
Department 1002
Location K-413 shop

Date 5-18-61
Checked by BC Bunle

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
floor area	200	1500	< 100							
Main work table	22	3600	600							
3 other tables	24	1800	350							
storage shelves	66	800	400							
Maint. dollie	6	1000	450							
table tops				0.8	—	—				
floor area				2.4	—	—				

Safety and Health Physics
1961 Jun 12 PM 3:25

Action Taken: A "Request for Decontamination" was issued on 5-18-61.

(over)

Approved Clyde Dean
Operating Supervisor

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RADIATION MONITORIN ND CONTROL REPORT

Division: Main tenance
Department: 1092
Location: K-413 Change house, office, lunch room

Date: 5-18-61
Checked by: B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft²	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft³)	Alpha Counts/min/ft³
Change house										
floor area	60	1900	150							
office										
floor area	12	1000	<100							
Seats (chair)	6	1300	<100							
lunch room										
floor area		400	<100							
equipment		200	<100							

Safety and Health Physics
1961 Jun 12 PM 3:25

Action Taken: A "Decontamination Request" issued 5-18-61.

(over)

Approved: Clyde Dixon
Operating Supervisor

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RADIATION MONITORIN ND CONTROL REPORT

Division Maintenance
Department 1002
Location K-413 shop, office, lunchroom, change house

Date 5-26-61

Checked by B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
Shop area										
floor area	280	1800	250	0.3	—	—				
Main work table	16	9000	4500	4.5	—	—				
Welding machine	4	900	150							
Maint dollie	4	1800	350							
2 small tables	1	3500	650							
filter head				16	—	—				
equipment shelves	40	900	300							
office										
floor area	26	1000	100	< Pal						
Chair seat		1350	<100							
lunch room										
floor area		300	<100	< Pal						
Equipment		250	<100							
Change House										
floor area	100	1400	150							

Safety and Health Physics

1961 JUN 12 P 3:24

Action Taken: A "Request for Decontamination" has been issued.

(over)

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Approved [signature]
Operating Supervisor

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RADIATION MONITORIN .ND CONTROL REPORT

Division Maintenance Date 5-12-61

Department

Location K-1093 office, lunch room, change house Checked by B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
Change house										
Floor area	40	1600	200							
Equipment		300	<100	<PAL						
Lunch room										
Floor area		300	<100							
Equipment		250	<100	<PAL						
Change house										
Office										
Floor area	48	1350	100							
Chair seats	6	1100	150	<PAL						

Action Taken: A "Decontamination Request" was issued - 5-12-61.

(over)

Approved Clyde Dunn
Operating Supervisor

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RADIATION MONITORIN ND CONTROL REPORT

Division Maintenance
Department 100
Location K-413 shop

Date 5-12-61 JRV

Checked by B C Burnell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
Equipment Shelves	32	850	400							
Work Tables	26	2600	550							
Floor area	60	1450	200							
Tool boxes	6	1100	150							
Welding Machine	3	750	200							

P.A.L.

Safety and Health Physics
1961 JUN 12 PM 3:24

Action Taken: Decontamination followed by recheck.

(over)

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25RC Safety & Health Physics Section

Approved Clyde Dunn
Operating Supervisor

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RADIATION MONITORING AND CONTROL REPORT

Date 5-9-61

Division Maintenance
Department K-1002
Location K-413 Lunch room

Checked by B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft²	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft³)	Alpha Counts/min/ft³
☆ 6/ Checked & Pal radiation on hands, shoes, Clothes										
1/2 Total Personnel Checked										

Safety and Health Physics
1961 MAY 9 PM 3:24

Action Taken: ☆ Was issued a shoe exchange slip.

Were able to clean their shoes to with in the PAL. (over)

Approved Clyde Denny
Operating Supervisor

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RADIATION MONITORING AND CONTROL REPORT

Division: Maintenance
Department: K-1002
Location: K-413 lunch room, change house, office

Date: 4-21-61
Checked by: B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
Office										
Floor area										
Chairs	9	1200	<100							
Change house				L						
Floor area	42	2400	250							
Equipment		300	<100							
Lunch room										
Floor area		300	<100							
Equipment		250	<100	L						

Action Taken: None Necessary. * 12 Personnel Checked & Pulled Radioactive on Clothes, shown hands
14 Total Personnel Checked
* Two (2) Mechanics exchanged gloves for clean ones.

(over)

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Approved: [signature]
Operating Supervisor

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RADIATION MONITORIN .ND CONTROL REPORT

Division Maintenance
Department K-1003
Location K-413 shop

Date 4-14-61
Checked by B E Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
floor area	150	1400	300							
" "				1	—	—				
3 Maint. tables	24	2600	650	2.2	—	—				
Maint. dollie	4	2200	550	1.8	—	—				
tool box.	3	1000	<100							
Power saw	3	600	<100							
							Long term air sampler in operation			

Isr. Hill 12 PM 4:02

Safety and Health Physics

Action Taken: A Request for Decontamination was issued

(over)

Approved Clyde Dean
Operating Supervisor

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RADIATION MONITORIN ND CONTROL REPORT

Division: Main Tenance
Department:
Location: K-1004-F3 lunch room, change house, office
Date: 4-14-61
Checked by: B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft²	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft³)	Alpha Counts/min/ft³
office										
floor area	42	1650	200							
chair seats	9	1500	<100	L P.A.L.						
lunch room										
floor area		300	<100	L Pal						
equipment		300	<100							
change house										
floor area	60	2400	250	L Pal						
equipment		350	<100							
at hand counter							M-142	8:25	300	0.08
in change house										

Action Taken: * 13 Checked for Pal registration on hands, shoes, clothes
16 Total Personnel Checked

* exchanged his coat and shoes for clean ones. was able to clean shoes and cap
was issued a new pair of shoes. to within the P.A.L.

(over)

Approved: Clyde Gray
Operating Supervisor

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Safety and Health Physics
APR 12 PM 4:02

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RADIATION MONITORIN .ND CONTROL REPORT

Division: Maintenance
Department: 10073
Location: K-773 shop

Date: 4-7-61
Checked by: BC Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft²	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft³)	Alpha Counts/min/ft³
floor area	260	2950	400							
Main work table	16	2600	400	Pal						
tool boxes	12	1400	250							
2 tool tables	16	1900	300							
equipment shelves	42	1000	450							

Action Taken: A "Request for Decontamination" was issued.

(over)

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Approved: Clyde W. Long
Operating Supervisor

-463-

RADIATION MONITORIN .ND CONTROL REPORT

Division Maintenance
Department 1002
Location K-413 lunch room

Date 4-7-61 JW
Checked by BC Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
*1 Checked Pal radiation on hands, shoes, clothes										
10 Total Personnel Checked										

Action Taken: Was able, to clean shoes to within the P.A.L. * exchanged Coveralls following completion of job. (over)

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Approved Clyde [illegible]
Operating Supervisor

-404-

RADIATION MONITORIN ND CONTROL REPORT

Division: Maintenance
Department: 1002
Location: K-413 lunch room, change house, office

Date: 4-7-56
Checked by: B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
Lunch room										
floor area		200	<100	P.A.L.						
Equipment		250	<100							
Change house										
floor area	120	1350	150	P.A.L.						
Equipment		250	<100							
Shop office										
floor area	100	2000	300	P.A.L.						
Chairs	12	1100	<100							

1956 APR 12 PM 4:02
Safety and Health Physics

Action Taken: A "Request for Decontamination" Was issued.

(over)

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Approved: Clyde Dunn
Operating Supervisor

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RADIATION MONITORII AND CONTROL REPORT

Division: Maintenance
Department: 1093
Location: K-413

Date: 4-7-61
Checked by: B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
tower equipment		Visible material		60	15	1.5				

Safety and Health Physics
APR 12 1 02 PM

Action Taken: Establishment of time limit on the above equipment is not necessary. Three (3) mechanics were wearing film badges — two (2) mechanics were not wearing respirators.

(over)

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Approved: [signature]
Operating Supervisor

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RADIATION MONITORIN .ND CONTROL REPORT

Division: Maintenance
Department: 4005
Location: K-413 lubrication shop

Date: 4-5-61 JW
Checked by: BC Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
		Surface	Wipe	Surface	1 ft	Distance (ft)				
floor area		300	< 100							
equipment		300	< 100	Bd						
				2						

Received 12 PM 4 .02
Safety and Health Physics

Action Taken: None Necessary. 2 Checked < Bd radiation on handrails, shop cloth
2 Total Personnel Checked

(over)

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Operating Supervisor

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RADIATION MONITORIN' ND CONTROL REPORT

Division Maintenance
Department K 1002
Location K-413 lunch room

Date 4-3-61 JW
Checked by BC Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3

Action Taken: #15 Checked < PAL radiation on hands, shoes, clothes
17 Told Personnel Checked
Were successful in Cleaning their
shoes & with the K.O.L.

(over)

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Approved Clyde Dean
Operating Supervisor

WCX-2191 (11-53) K-25RC Safety & Health Physics Section

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RADIATION MONITORIN ND CONTROL REPORT

Division Main tenance
Department 1002
Location K-913 Change room, office

Date 3-23-61

Checked by B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft²	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft³)	Alpha Counts/min/ft³
Change room										
floor area	32	1600	200	P.A.L.						
fe equipment		300	<100	<1.						
office										
floor area	12	800	<100							
Chair seats	6	1000	<100	P.A.L.						
				<1.						

Action Taken: A "Request for Decontamination" was issued.

(over)

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Approved Clyde Perry
Operating Supervisor

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RADIATION MONITORIN ND CONTROL REPORT

Division Maintenance
Department 1003
Location K-413 shop.

Date 3-23-61 JW

Checked by B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
floor area	48	2200	200							
Main work table	16	1550	150	Rad						
Tool boxes	6	1200	400							
tollie	4	1000	500							

Action Taken: A "Request for Decontamination" was issued.

(over)

Approved Clyde Denny
Operating Supervisor

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WCX-2191 (11-53) K-25RC Safety & Health Physics Section

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RADIATION MONITORIN(ND CONTROL REPORT

Division Maintenance
Department K-1002
Location K-413 lunch room

Date 3-23-61
Checked by BCBurnette

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft²	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft³)	Alpha Counts/min/ft³
floor area		200	<100							
equipment		250	<100	Pal						

Action Taken: (over)

(over)

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Approved Clyde Young
Operating Supervisor

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☆ 16 Checked < Pal radiation on hands, shoes, clothes
18 Total Personnel Checked

☆ Coveralls for exchanged Contaminated gloves and clean ones.

exchanged Contaminated Coveralls and gloves for clean ones, also after repeated efforts to clean shoes to with in the Pal. a new pair was issued

B C Burrell

RADIATION MONITORIN .ND CONTROL REPORT

Division Maintenance
Department 1005
Location K-413 Lubrication shop

Date 3-20-61 JW

Checked by B E Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft²	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft³)	Alpha Counts/min/ft³
floor area		<100	<100							
equipment		<100	<100	Bd						
				L						

Action Taken: None Necessary. This area has been painted.

(over)

Approved [signature]
Operating Supervisor

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RADIATION MONITORIN .ND CONTROL REPORT

Division Maintenance
Department K-1002
Location K-913 lunch room, change house, office

Date 3-17-61 Jw
Checked by B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
Lunch room										
floor area		300	<100	pol						
Equipment		200	<100	L						
Change house										
floor area	100	1800	NO							
Equipment		1300	<100							
				L pol						
office										
floor area	20	1200	200							
Equipment	6	1400	<100	L pol						

Action Taken: Decontamination followed by recheck

(over)

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WCX-2191 (11-53) K-25RC Safety & Health Physics Section

Approved Clyde Jenny
Operating Supervisor

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RADIATION MONITORIN .ND CONTROL REPORT

Division Maintenance
Department
Location K-413 lunch room, change room, office

Date 3-10-61
Checked by B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft²	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft³)	Alpha Counts/min/ft³
office										
floor area		300	<100	Bkl						
equipment		300	<100	L						
lunch room										
floor area		250	<100	Bkl						
equipment		350	<100	L						
change house										
equipment		300	<100	Bkl						
floor area	100	1200	<100	L						

Action Taken: Decontamination followed by recheck

(over)

Approved [signature]
Operating Supervisor

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WCX-2191 (11-53) K-25RC Safety & Health Physics Section

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RADIATION MONITORIN. .ND CONTROL REPORT

Division Maintenance
Department 1002
Location K-413 Process Maintenance Shop

Date 3-10-61 JW

Checked by B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
Work tables	36	1800	200							
dollies	6	2250	600							
Portable Work Table	3	900	150							
floor area	66	2900	650							
tool boxes	6	950	140							

Action Taken: * 13 Checked for < PAL contamination on hands, shoes, clothes
18 Total Personnel Checked

(over)

(over)

Approved Clyde Deary
Operating Supervisor

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☆

Were able to clean their Company Issued shoes to within the P.A.L.

after the attempts to clean shoes & within the PAL, was issued a new pr. of Company shoes.

Coat and gloves exchanged Contaminated Company Issued for clean ones.

BCBurnell

RADIATION MONITORIN ND CONTROL REPORT

Division: Maintenance
Department: 1002
Location: K-413, shop and facilities

Date: 3-3-61 JW
Checked by: B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
office										
floor area	10	1300	150	Pab.						
Chair seat	6	1200	<100	L						
Lunch room										
floor area		200	<100	P						
equipment		250	<100	L						
Change house										
floor area at wash basin	36	2000	300							
floor area at hand counter	30	1200	<100							
Shops										
floor area	140	1400	250	4	—	—				
Main work table	12	3000	600	6	—	—				
Small work table	26	1850	200							
Maintenance dollie	3	6000	650							
Atoms filter head				10	—	—				
Towel dispenser				11	—	—				

Action Taken: The above beta emitting equipment is in the shop for short duration. The above alpha emitters were removed by cleaning.

(over)

(over)

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Approved: [signature]
Operating Supervisor

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#11 Checked & Pal Radiation on hands, shoes, clothes
16 Total Personnel Checked

was able to clean his shoes to within the P.A.L. and his coat was exchanged for a clean one.

were able to clean their shoes to within the P.A.L.
exchanged his coat for clean one.
was issued a new pair of shoes.

B E Burrell

RADIATION MONITORIN ND CONTROL REPORT

Division Maintenance
Department 1002
Location K-413 lubrication shop

Date 3-9-61 JW
Checked by B C Burell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft²	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft³)	Alpha Counts/min/ft³
floor area		300	<100	pal						
equipment		300	<100	L						

Action Taken: None Necessary. 2 Checked < Pal radiation on hands, shoes, clothes
2 Total Personnel Checked

(over)

Approved W Nelson
Operating Supervisor

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WCX-2191 (11-53) K-25RC Safety & Health Physics Section

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RADIATION MONITORIN ND CONTROL REPORT

Division: Maintenance
Department: K-1005
Location: K-413 Lubrication Shop

Date: 2-17-61 JW

Checked by: B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft²	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft³)	Alpha Counts/min/ft³
floor area	16	1000	50							
equipment		300	<100	PAL						

Action Taken: None Necessary

(over)

Approved: N B Nelson
Operating Supervisor

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WCX-2191 (11-53) K-25RC Safety & Health Physics Section

RADIATION MONITORING AND CONTROL REPORT

Division Maintenance
Department 1000
Location K-413 Shop

Date 2-14-61 JW
Checked by B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
floor areas		350	<100							
2 tables	16	1000	<100	n.d.						

Action Taken: None Necessary

(over)

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Approved Sam Trautman
Operating Supervisor

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RADIATION MONITORIN .ND CONTROL REPORT

Division Maintenance
Department 100
Location K-413 office and Change house

Date 2-14-61 JW
Checked by BC Burnette

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
Change house										
floor area at wash basin	40	1100	200	< PAL						
floor at hand counter	22	1250	150							
office										
floor area	60	1200	250	< PAL						
chair seat	3	700	<100							

Action Taken: Decontamination followed by recheck
4 Checked < PAL radiation on hands, shoes, clothes
4 Total Personnel Checked

(over)

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WCX-2191 (11-53) K-25RC Safety & Health Physics Section

Approved Sam Trautman
Operating Supervisor

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RADIATION MONITORIN .ND CONTROL REPORT

Division: Maintenance
Department: 1003
Location: K-413 shops

Date: 2-24-61 JW
Checked by: B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft²	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft³)	Alpha Counts/min/ft³
Main Work table	16	4500	550	20	—	—				
floor area	160	1400	300	2	—	—				
two small tables	16	2000	600							
tool boxes	12	1100	150							
power saw	2	600	<100							

Action Taken: Decontamination followed by recheck & checked < PAL radiation on hands, shoes, clothes & total personnel checked

(over)

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WCX-2191 (11-53) K-25RC Safety & Health Physics Section

Approved: Sam Trautman
Operating Supervisor

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RADIATION MONITORING AND CONTROL REPORT

Division: Maintenance
Department: 1100C
Location: K-413 Shop

Date: 2-14-61
Checked by: BC Burnett

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
Floor area equipment & shelves	32	950	300	Nil						

Action Taken: None Necessary.

(over)

Approved: Sam Trautman
Operating Supervisor

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WCX-2191 (11-53) K-25RC Safety & Health Physics Section

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RADIATION MONITORIN ND CONTROL REPORT

Division Maintenance
Department 1002
Location K-413 Maintenance shop

Date 1-13-61
Checked by B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
* 9 Checked & Pal radiation on hands, shoes, clothes										
14 Total Personnel Checked										

Action Taken: * Two (2) Mechanics exchanged Contaminated Coveralls
Two (2) mechanics cleaned contaminated shoes to within the PAL of
4000 alpha cts/min. and 1 mr/hr penetrating radiation. (over)

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Approved Sam Trautman
Operating Supervisor

WCX-2191 (11-53) K-25RC Safety & Health Physics Section

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RADIATION MONITORIN ND CONTROL REPORT

Division Maintenance
Department
Location K-1002-413 lunch room, office, change house

Date 1-4-61 JW
Checked by B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
lunch room										
floor area		350	<100							
equipment		400	<100	L Pal						
office										
floor area	4	900	<100							
equipment (chairs/seats)	6	1250	<100	L Pal						
change house										
floor area	10	1000	<100	L Pal						
equipment		400	<100							

Action Taken: None Necessary.

(over)

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Approved J W Bishop
Operating Supervisor

JAN 10 1961 HEALTH AND PHYSICS

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RADIATION MONITORIN[illegible] .ND CONTROL REPORT

Division Maintenance
Department 1002
Location K-413 shop

Date 1-4-61 Jan
Checked by B C Burnett

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
3 work tables	6 ~	2000	450							
floor and at man				1 pal.						
Working table	120	1550	250							
dollie	4	1100	150							
portable dollie	3	950	100							

JAN 10 1961 SALES HEALTH PHYSICS

Action Taken: Decontamination followed by recheck

(over)

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Approved J W Bishop
Operating Supervisor

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SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

JW

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-413	Maintenance Shop	01	51	01	87	86	7-14-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Automatic Sprinkler System	1		Fire Extinguishers	6	
Emergency Exits			Protective Equip. Supply	75	1(17-13) Inoperable Suit now
Emergency Station	1		P. A. System	1	
Evacuation Alarm	1		Safety Showers	1	
Eye Baths			Standpipes		
Fire Alarm Boxes	1		Other (Note in Remarks)		
Fire Doors					

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Poste
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other Inoperable Suit	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-413	Maintenance Shop	01	51	02	33	32	7-14-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	6	1(6-8)	Radiating Surfaces		
Illumination	5		Traffic Control	2	
Material Containment	14		Ventilation	5	
Radiation	1		Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Are
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

386-357-20-19

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AUDITED BY (SIGNATURE) [illegible]

REVIEWED WITH (SIGNATURE) [illegible]

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-413	Maintenance Shop	01	51	03	27	27	7-14-(
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART-REASON)	SURFACES CHECKED		NO. UNSATISFACTORY (PART-REASON)
Catwalks			Ladder (stationery)		
Exit	5		Platforms		
Floors	6		Scaffolds		
Furniture	10		Stairs		
Ladder (portable)	6		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-413	Maintenance Shop	01	51	04	21	15	7-14-(
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART-CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Fluorine			Steam Safety Cans (Bldg Ht - Below 15 psig)	2	2 (10-5) No
Hydrofluoric Acid			Steam (Low Pressure - 15-250 psig)	10	2 (7-13) No.
Natural Gas			Steam (High Pressure - above 250 psig)	3	
Pyrofax			Air Other (Note in Remarks)	6	2 (7-13 No

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums Cans	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE) M. P. Ellis

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-413	Maintenance Shop	01	51	05	80	66	7-14-(
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Corded Equipment	39	8(8-6) [illegible]
Utilization Equipment	16	1(11-5) O.K.
High Voltage Equipment (Above 480 Volts)		
Disconnects	25	5(11-5) No
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY	
1. Boxes	9. Insulation
2. Conduit	10. Plugs
3. Connectors	11. Receptacles
4. Breaker	12. Safety Switch
5. Grounds	13. Switch
6. Ground Mats	14. Warning Signs
7. Identification	15. Other (Note in Remarks)
8. Inspection Date and Tag	

UNSATISFACTORY CONDITION	
1. Broken	6. Does Not Meet Plant Specification
2. Cracked	7. Not Provided
3. Damaged	8. Ungrounded
4. Deteriorated	9. Unguarded
5. Identification	

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
				06	20	19	7-14-(
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	4	1(4)	Use of Safe Attire	4	
Use of Tools	4		Use of Personnel Protective Devices	4	
Use and Maintenance of Machines & Equipment			Work Habits	4	
Use of Ionizing Radiation Sources					

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel Enclosure, when Unsafe Because of Temperature Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

-491-

AUDITED BY (SIGNATURE) [illegible]

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-413	Maintenance Shop	01	51	07	76	70	7-14-(
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE OF TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered	7	
Hand	66	2(5-15) 2(7-9)
Hydraulic	3	
Pneumatic Powered		
Powder Actuated		

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-413	Maintenance Shop	01	51	08	31	30	7-14-(
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor			Power Truck		
Chain Hoist	8		Tractor		
Electric Hoist	2	1(8-8)	Plant Railway		
Winch or Tugger			Skid		
Sling	8		Pallet		
Lifting Fixture	3		Bicycle		
Dolley	7		Bus		
Handtruck	2		Passenger Car		
Wheelbarrow	1		Motor Truck		
Fork Truck			Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Cr[illegible]ng Signals	25. Hitches	39. Other (Note in Remarks)
12. C[illegible]g Signs	26. Hooks	
13. D[illegible]on Control	27. Horn	
14. Deck	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE) W P Ell[illegible]

REVIEWED WITH (SIGNATURE) -492-

07 - Power Tools

08 - Materials Han[illegible]

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-413	Maintenance Shop	01	51	09	19	19	7-14-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIO
Acetone Tank			Freon Tank		
Air Receivers			HF Tank		
Boilers			UF_6 Containers		
Compressed Gas Cylinders	19		Water Storage Heaters		
Fluorine Tank			Other *(Note in Remarks)*		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other *(Note in Remarks)*
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other *(Note in Remarks)*	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE)

SAFETY-AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-413	Maintenance Shop	01	51	10	12	12	7-14-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Automatic Arc Cutting Unit			Oxygen-Arc Cutting Unit	1	
Automatic Arc Welding Unit			Paper Cutter		
Bench or Pedestal Grinder	6		Planer (metal)		
Blower			Planer (wood)		
Boring Mill			Power Press		
Centrifuge			Press Brake		
Compressor			Pulverizer		
Crusher			Pump		
Diesels (stationary)			Saw (band - metal)		
Drill Press	2		Saw (band - wood)		
Fans	3		Saw (circular - metal)		
Forming Rolls			Saw (circular - wood)		
Gear Cutter			Saw (jig)		
Grinding Machine			Saw (power - rip)		
Hobber			Saw (radial)		
Jointer			Saw (swing)		
Lathe (engine)			Screw Machine		
Lathe (turret)			Shaper (metal)		
Lathe (woodworking)			Shaper (wood)		
Manual Arc Cutting Unit			Shears		
Manual Arc Welding Unit	1	no-	Slicer		
Mixer			Other (Note in Remarks)		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

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SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

Page 1 of _____

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-413	Maintenance Shop	01	51	01	27	23	3-13-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto Sprinkler System			Fire Extinguishers IIII	4	4(3-13)
Emergency Exits			Protective Equip. Supply	20	
Emergency Station			P. A. System	1	
Evacuation Alarm			Safety Showers	1	
Eye Baths			Standpipes		
Fire Alarm Boxes	1		Other (Note in Remarks)		
Fire Doors					

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Poste
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO SATISFACTORY	DATE
K-413	Maintenance Shop	01	51	02	26	24	3-13-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	6	1(6-8) cobwebs, hoses, etc.	Radiating Surfaces		
Illumination	4		Traffic Control	3	
Material Containment	6	1(6-16)	Ventilation	6	
Radiation	1		Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Are
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) [illegible]

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01 - Fixed Protection

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-413	Maintenance Shop	01	51	03	21	21	3-13-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART-REASON)	SURFACES CHECKED		NO. UNSATISFACTORY (PART-REASON)
Catwalks	1		Ladder (stationery)		
Exit	6		Platforms		
Floors	6		Scaffolds		
Furniture	6		Stairs		
Ladder (portable)	3		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
0. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
1. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-413	Maintenance Shop			04	12	7	3-13-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART-CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Fluorine			Steam (Bldg Ht - Below 15 psig)	2	
Hydrofluoric Acid			Steam (Low Pressure - 15-250 psig)	3	2-3
Natural Gas			Steam (High Pressure - above 250 psig)		
~~Oxygen~~ Air	5	Valve gum - 2(7-17)	Safety can - Flammable Other (Note ~~in Remarks~~)	2	2(10-12)

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys - Safety can	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks) Valve gum
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) Clyde Terry

03 - Work Surfaces

SAFETY AUDIT REPORT

JCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
C-413	Maintenance Shop	01	51	05	70	49	3-13-7
BM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEMS INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Cordled Equipment	25	17(8-5)
Utilization Equipment	16	1(13-7)
High Voltage Equipment (Above 480 Volts)		
Disconnects	24	3(7-7)
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes	9. Insulation
2. Conduit	10. Plugs
3. Connectors	11. Receptacles
4. Breaker	12. Safety Switch
5. Grounds	13. Switch
6. Ground Mats	14. Warning Signs
7. Identification	15. Other (Note in Remarks)
8. Inspection Date and Tag	

UNSATISFACTORY CONDITION

1. Broken	5. Does Not Meet Plant Specifications
2. Cracked	7. Not Provided
3. Damaged	8. Ungrounded
4. Deteriorated	9. Unguarded
5. Identification	

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
C-413	Maintenance Shop	01	51	06	10	9	3-13-6
BM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	2		Use of Safe Attire		
Use of Tools	2		Use of Personnel Protective Devices	6	1(25)
Use and Maintenance of Machines & Equipment			Work Habits		
Use of Ionizing Radiation Sources					

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees	11. Machine Left Running Unattended	21. Work Permit Issued to Allow Entrance to Vessel Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
2. Failed to Use Crane Hand Signals	12. Operating With Safety Device Removed	22. Entrance Made (Under Unsafe Act No. 21)
3. Failed to Use Warning Device	13. Incorrect Safety Device Used	23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
4. Regularly Used Limit Switch to Stop Motion	14. Operating With Safety Device Improperly Adjusted	24. Film Badge Not Worn
5. Materials Stored, Mixed, or Combined to Create a Hazard	15. Respiratory Protection Not Worn	25. Eye Protection Not Worn
6. Flammables Handled in Unapproved Safety Can	16. Improper Respiratory Protection Worn	26. Improper Eye Protection
7. Incorrect Tool Used	17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling	27. Hard Hats Not Worn
8. Unsafe Tool Used	18. Working on Equipment Not Secured Against Unexpected Operation	28. Gloves Not Worn
9. Tool Used Improperly	19. Passenger Permitted to Ride in Unsafe Manner	29. Smoking in Posted Areas
0. Machine Operated at Unsafe Speed	20. Operable Radiation Survey Meter Not at Job Site	30. Eating in Posted Areas

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) Clyde Jenny

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SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-413	Maintenance Shop	01	51	07	54	50	3-13-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE OF TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered	4	1(8-14) 1(6-14)
Hand	42	2(7-9)
Hydraulic	5	
Pneumatic Powered	3	
Powder Actuated		

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remc
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-413	Maintenance Shop	01	51	08	17	17	3-13-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITIO
Conveyor			Power Truck	1	
Chain Hoist	2		Tractor		
Electric Hoist	1		Plant Railway		
Winch or Tugger			Skid		
Sling 1	2		Pallet	1	
Lifting Fixture 1	1		Bicycle		
Dolley			Bus		
Handtruck 5	6		Passenger Car		
Wheelbarrow			Motor Truck		
Fork Truck 3	3		Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Crossing Signals	25. Hitches	39. Other (Note in Remarks)
12. C[illegible] Signs	26. Hooks	
13. D[illegible]n Control	27. Horn	
14. Deck	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) Clyde Perry

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-413	Maintenance Shop	01	51	09	17	17	3-23-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITI
Acet[illegible] ank			Freon Tank		
Air Receivers			HF Tank		
Boilers			UF_6 Containers		
Compressed Gas Cylinders	16		Water Storage Heaters	1	
Fluorine Tank			Other *(Note in Remarks)*		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other *(Note in Remarks)*
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other *(Note in Remarks)*	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) Clyde Jenny

09 - Pressure Vessels &

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-43	Maintenance Shop	01	51	10	12	8	3-13-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Arc Cutting Unit			Oxygen-Arc Cutting Unit	2	
Automatic Arc Welding Unit			Paper Cutter		
Bench or Pedestal Grinder			Planer (metal)		
Blower			Planer (wood)		
Boring Mill			Power Press		
Centrifuge			Press Brake		
Compressor			Pulverizer		
Crusher			Pump		
Diesels (stationary)			Saw (band - metal)	1	
Drill Press	2		Saw (band - wood)		
Fans	2		Saw (circular - metal)		
Forming Rolls			Saw (circular - wood)		
Gear Cutter			Saw (jig)		
Grinding Machine	6	1(8-7) 1(26-5) 1(27-7)	Saw (power - rip)		
Hobber			Saw (radial)		
Jointer			Saw (swing)		
Lathe (engine)			Screw Machine		
Lathe (turret)			Shaper (metal)		
Lathe (woodworking)			Shaper (wood)		
Manual Arc Cutting Unit			Shears		
Manual Arc Welding Unit	1	1(20-7)	Slicer		
Mixer			Other (Note in Remarks)		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
0. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) Clyde Jones

DSF'd

Box# H-2-3-18

ChemRisk/Shonka Research Associates, Inc., Document Request Form #5

(This section to be completed by subcontractor requesting document)

J. Lamb / 1034A

Requestor — Document Center (is requested to provide the following document)

Date of request 9/14/95 Expected receipt of document 10/14/95

Document number none Date of document 1961

Title and author (if document is unnumbered)

Environmental Conditions - Maintenance Division - 1961
Binder 3073
~~Fossil~~ => Please copy the entire binder - including strip charts

(This section to be completed by Document Center)

Date request received 9/14/95

Date submitted to ADC 10/10/95

Date submitted to HSA Coordinator 9/14/95

(This section to be completed by HSA Coordinator)

Date submitted to CICO 10/10/95 Resub. 12/14/95

Date received from CICO 12/27/95

Date submitted to ChemRisk/Shonka and DOE 1/8/96

(This section to be completed by ChemRisk/Shonka Research Associates, Inc.)

Date document received

Signature

ChemRisk Document No. 2419

This document has been approved for release to the public by:

Gary W. Hall for ASQ 12/27/95

Technical Information Officer Date

Oak Ridge Site

(With Deletions)

12

ALPHA CONTAMINATION AUDIT REPORT (30X0)

Location K-1401 Axial Flow Comp. Shop Lunch Area Date 12-13-61

Supervisor in Charge J.C. Murry Total Work Area 300 ft²

Operations in Progress

Protective Measures in Force —

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	0	0
	Area Factor (Total)	0	0
	Area Factor (Wipe)	0	0

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Floor Area					300	
Tables & Benches					<100	
		X		X	3+7 <P.A.L.	

	Range Surface	(c/m) Wipe	Weighting Factor	
Class 0	*	–	0	Total ft²
Class I	500-2000	100-500	1	
Class II	2000-10,000	500-2000	5	
Class III	>10,000	>2000	20	
			Grand Total (ft²)	

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
None Present								
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
None Taken						
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS:

Inspector [illegible] Op. Supervisor J. C. Murray Date 12-27-61

ALPHA CONTAMINATION AUDIT REPORT

Location K-1401 Machine Shop (3011) Date 12-26-61

Supervisor in Charge J. Gillian Total Work Area ≤ 80 ft²

Operations in Progress —

Protective Measures in Force —

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	0	0
	Area Factor (Total)	0	0
	Area Factor (Wipe)	0	0

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Floor Area					150	
Tables & Benches					<100	

	Range Surface	(c/m) Wipe	Weighting Factor				
Class 0	*	–	0	Total ft²			
Class I	500-2000	100-500	1				
Class II	2000-10,000	500-2000	5				
lass III	> 10,000	> 2000	20				
			Grand Total (ft²)				

Est. P.A.L.

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
None Present								
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
None Taken						
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS:

Inspector E. E. Tilas Op. Supervisor S. A. Spuckler Date 12-26-61

1.2

ALPHA CONTAMINATION AUDIT REPORT

(3014)

cation K-1401 Paint Shop (Lunch Area) Date 12-26-61

Supervisor in Charge L. Hiley Total Work Area 150 ft²

Operations in Progress —

Protective Measures in Force —

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	0	0
	Area Factor (Total)	0	0
	Area Factor (Wipe)	0	0

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Floor Area					<100	
Tables & Benches					<100	

	Range Surface	(c/m) Wipe	Weighting Factor	
Class 0	*	–	0	Total ft²
Class I	500-2000	100-500	1	
Class II	2000-10,000	500-2000	5	
Class III	> 10,000	> 2000	20	
			Grand Total (ft²)	

13+7 P.A.L.

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
None Present								
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
None Taken						
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS:

Inspector [signature] Op. Supervisor [signature] Date

1

ALPHA CONTAMINATION AUDIT REPORT

cation K-1401 Riggers Lift (Lunch Room) (3004) Date 12-26-61

Supervisor in Charge W. E. Wilson Total Work Area 550 ft²

Operations in Progress —

Protective Measures in Force —

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	0	0
	Area Factor (Total)	0	0
	Area Factor (Wipe)	0	0

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Floor Area					150	
Tables & Benches					<100	

	Range Surface	(c/m) Wipe	Weighting Factor				
Class 0	*	–	0	Total ft²			B+7 < P.A.L.
Class I	500-2000	100-500	1				
Class II	2000-10,000	500-2000	5				
lass III	> 10,000	> 2000	20				
			Grand Total (ft²)				

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
None Present								
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
None Taken						
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS:

Inspector [illegible] Op. Supervisor [illegible] Date 12/26/61

1-2

ALPHA CONTAMINATION AUDIT REPORT (3007)

cation K-1401 Vacuum & AC Pump Lunch Area Date 12-13-61

Supervisor in Charge J.C. Murry. Total Work Area 150. ft²

Operations in Progress

Protective Measures in Force —

SUMMARY:

ALPHA CONTAMINATION		This Survey	Last Survey
	Index	0	0
	Area Factor (Total)	0	0
	Area Factor (Wipe)	0	0

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Floor Area					400	
Tables & Benches					<100	

	Range (c/m) Surface	Range (c/m) Wipe	Weighting Factor	
Class 0	*	–	0	Total ft²
Class I	500-2000	100-500	1	
Class II	2000-10,000	500-2000	5	
lass III	>10,000	>2000	20	
			Grand Total (ft²)	

B+? <P.A.L.

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
None Present								
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
None Taken						
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS:

Inspector E. E. Fox Op. Supervisor J. C. Murray Date 12-27-61

ALPHA CONTAMINATION AUDIT REPORT

(3015)

Location K-1401 Field Chem. Lunch Area Date 12-13-61

Supervisor in Charge M.E. Berry Total Work Area 700 ft²

Operations in Progress —

Protective Measures in Force —

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	0	0
	Area Factor (Total)	0	0
	Area Factor (Wipe)	0	0

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Floor Area					150	
Tables					<100	
Benches					150	

	Range Surface	(c/m) Wipe	Weighting Factor	
Class 0	*	–	0	Total ft²
Class I	500-2000	100-500	1	
Class II	2000-10,000	500-2000	5	
lass III	> 10,000	> 2000	20	
				Grand Total (ft²)

13 + 7 < P.A.L.

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
None Present								
SUMMARY: No. > P.A.L.								
No. Checked								
% Total Checks > P.A.L.								

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
None Taken						
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.					
	% > P.A.L.				%	Average

REMARKS:

Inspector [illegible] Op. Supervisor [illegible] Date 12-13-61

ALPHA CONTAMINATION AUDIT REPORT

(3055)

cation K-1401 Specimen Machining Area Date 11-29-61

Supervisor in Charge R.B. Brown. Total Work Area 4000 ft²

Operations in Progress Routine Machining Operations

Protective Measures in Force Film Badges.

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Surface Index 1.1 X 2 =	2.2	2.5
	Area Factor (Total)	0.88	0.55
	Area Factor (Wipe)	—	0.55

SPECIFIC LOCATION	Area (ft²) and Class of Contamination: Surface		Wipe		Maximum Reading (c/m): Surface	Wipe
Equipment Pallets	15	I			2000	
	2	II			3000	
Tool Cabinet	2	I			900	
Tool Tables	16	I			1200	

	Range Surface	(c/m) Wipe	Weighting Factor	Total ft²	Surface	Wipe
Class 0	*	–	0			
Class I	500-2000	100-500	1		33	
Class II	2000-10,000	500-2000	5		2	
Class III	> 10,000	> 2000	20		0	
			Grand Total (ft²)		35.	

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Ren Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
None Checked								
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
None Taken						
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS: Four radiation instruments in main office are out of order.

Inspector [illegible] Op. Supervisor C.L. Eller Date

BETA-GAMMA RADIATION AUDIT REPORT (3055)

Location K-1401 Specimen Machining Area Date 11-29-61

Supervisor in Charge R. B. Brown. Total Work Area 4000 ft²

Operations in Progress Roututine Machining Operations

Protective Measures in Force Film Badges.

SUMMARY

RADIATION		This Survey	Last Survey
	β+γ Index	5.4	6.2
	β+γ Area Factor	2.5	2.9
	γ Area Factor	—	—

SPECIFIC LOCATION	7.5 mrep/hr Distance (ft)	Area (ft²) and Class of Radiation β+γ		γ		Reading (mrep/hr) Maximum β+γ	Maximum γ	1 ft. β+γ	1 ft. γ
Material ON Pallet	2.5	4	II	-	-	100	5	40	2
" " "	—	15	I			37.5	—	—	—
Material ON Racks	1.5	24	II			50	2	15	1
" " "	—	56	I			37.5	-	—	—
Material IN Bin	0.75	1	II			90	1	5	-
" " "		1	I			37.5	-	-	-

	Range mrep/hr	Weighting Factor	Total ft²	β+γ	γ
Class I	7.5 - 37.5	1		72	
Class II	37.5 - 300	5		29	
Class III	300 - 3000	40		0	
Class IV	> 3000	400		0	
		Grand Total (ft²)		101	

Maximum Reading β+γ 40 1'

CX-2067 (10-53) K-25 SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem. Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
None Checked								
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
None Taken						
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS:

Inspector E. L. Eller Op. Supervisor C. L. Eller Date

ALPHA CONTAMINATION AUDIT REPORT

cation K-1401 Tool Grinding Area (3054) Date 11-30-61

Supervisor in Charge J. J. Irons. Total Work Area 4200 ft²

Operations in Progress Routine Operations

Protective Measures in Force Film Badges.

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Surface Index 0.60 X 2 =	1.2	0.0
	Area Factor (Total)	0.31	0.0
	Area Factor (Wipe)	~~0.~~	0.0

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Tool Cabinet At Col 18	3	I			1200	
" " " South End	3	I			3000	
" " " " "	3	II			5000	
Tool Table At Machine No. 9	4	I			900	

	Range Surface	(c/m) Wipe	Weighting Factor					
Class 0	*	–	0	Total ft²				15+7 <P.A.L.
Class I	500-2000	100-500	1		10			
Class II	2000-10,000	500-2000	5		3			
Class III	> 10,000	> 2000	20		0			
				Grand Total (ft²)	13.			

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
None Checked								
SUMMARY: No. > P.A.L.								
No. Checked								
% Total Checks > P.A.L.								

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
None Taken.						
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS:

Inspector E. E. Tice Op. Supervisor A. R. Brown Date

To: A.F. Becher file

SUBJECT: Re: Use of red lights in K-1401

DATE: 11-9-61

Reply Message

FOLD

MESSAGE

Mr. Sternberg is in agreement with us that the red lights should be used for fire alarm forces, emergency exits, etc. He instructed Bob Melton to have ~~the~~ all other red lights changed to yellow.

SIGNED J. C. Worthington

DATE OF REPLY 11/20/61 REPLY TO JCW

REPLY

Jim -
pls prepare response to Hoogesteger's memo
also include WE Waldrem's findings

Sent A.O.I. to Hoogesteger 11-24-61 SIGNED JW

RECIPIENT

ALPHA CONTAMINATION AUDIT REPORT (3002)

Location K-1401 Axial Flow Comp. Shop. Date 10-30-61.

Supervisor in Charge J. C. Murry. Total Work Area 19,000 ft²

Operations in Progress No Shop Work in Progress.

Protective Measures in Force Air Monitor.

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Surface Index 12 X 2 =	24.	64.
	Area Factor (Total)	10.	20.
	Area Factor (Wipe)	—	—

SPECIFIC LOCATION	Area (ft²) and Class of Contamination: Surface		Wipe		Maximum Reading (c/m): Surface	Wipe
D. Bay.						
Floor & Equip. Col 12-13	684	I			1200	
Rotor repair stand	2	II			10000	
" " "	2	III			>12500	
Floor Near office	140	I			2000	
" " "	12	II			6000	
Truck Alley.						
Floor & Carts	784	I			1200	
C Bay						
Floor & Equip IN Pit	306	I			2000	
" " " "	34	II			4500	
B Bay.						
Equip Stand At Col 10½	7	I			2000	
" " " " "	3	II			5000	

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr) Hands	Shoes Personal	Shoes Issue	Clothing Personal	Clothing Issue	Gloves	Rem Ref. No.
None Present.								

BETA-GAMMA RADIATION AUDIT REPORT

Location K-1401 Axial Flow Comp. Shop Date 10-30-61

Supervisor in Charge J. C. Murry Total Work Area 19000 ft²

Operations in Progress —

Protective Measures in Force —

SUMMARY

RADIATION	This Survey	Last Survey
$\beta+\gamma$ Index	0	0
$\beta+\gamma$ Area Factor	0	0
γ Area Factor	0	0

SPECIFIC LOCATION	7.5 mrep/hr Distance (ft)	Area (ft²) and Class of Radiation $\beta+\gamma$		γ		Reading (mrep/hr) Maximum $\beta+\gamma$	Maximum γ	1 ft. $\beta+\gamma$	1 ft. γ
Test Loop Comp.						2.5	—	1	—

	Range mrep/hr	Weighting Factor	Total ft²
Class I	7.5 - 37.5	1	
Class II	37.5 - 300	5	
Class III	300 - 3000	40	
Class IV	> 3000	400	
		Grand Total (ft²)	

Maximum Reading $\beta+\gamma$ 1

WCX-2067 (10-53) K-25 SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS:

Inspector E. B. Eastridge Opr. Supervisor _____ Date _____

ALPHA CONTAMINATION AUDIT REPORT (3055)

Location K-1401 Specimen Machining Area Date 10-3-61.

Supervisor in Charge E.O. Sternberg Total Work Area 4000. ft²

Operations in Progress Routine Machining operations

Protective Measures in Force Film Badges.

SUMMARY:

ALPHA CONTAMINATION	This Survey	Last Survey
Index	2.5	5.9
Area Factor (Total)	0.55	1.5
Area Factor (Wipe)	0.55	1.1

SPECIFIC LOCATION	Area (ft²) and Class of Contamination: Surface		Wipe		Maximum Reading (c/m): Surface	Wipe
Floor Around Do All saw	5	I	5	I	1100	200
Do All Saw Table	10	I	10	I	1500	200
Metal Equipment Pallets	4	I	4	I	2000	500
" " "	2	II	2	II	10000	3000
" " "	1	III	1	III	>12500	3500

	Range Surface	Range (c/m) Wipe	Weighting Factor	Total ft² Surface	Total ft² Wipe
Class 0	*	–	0		
Class I	500-2000	100-500	1	19	19
Class II	2000-10,000	500-2000	5	2	2
Class III	>10,000	>2000	20	1	1
			Grand Total (ft²)	22	22

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr) Hands	Shoes Personal	Shoes Issue	Clothing Personal	Clothing Issue	Gloves	Rem Ref. No.
Nat		300		200		<100		
		<100	<100			<100		
		<100	<100			<100		
SUMMARY:	0 No. > P.A.L.	0	0	0		0		
	9 No. Checked	3	2	1		3		
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
Col. No. D19½	607	9:45	10	150	0 / 0	0.01
" " E21	608	9:56	10	190	0 / 2	0.01
North End	609	10:11	10	180	0 / 3	0.01

SUMMARY:						
Air Samples	3	No. Taken	For Samples > P.A.L.	Total		Total 0.03
	0	No. > P.A.L.		%		Average 0.01
	—	% > P.A.L.				

REMARKS: Decrease due to routine cleaning.

Inspector E B Eastridge Op. Supervisor R. B. Brown Date 10-19-61

BETA-GAMMA RADIATION AUDIT REPORT (3055)

Location K-1401 Specimen Machining Area Date 10-3-61

Supervisor in Charge E.O. Sternberg. Total Work Area 4000 ft²

Operations in Progress Routine Machining operations.

Protective Measures in Force Film Badges.

SUMMARY

RADIATION		This Survey	Last Survey
	β+γ Index	6.2	13.
	β+γ Area Factor	2.9	5.5
	γ Area Factor		0.0

SPECIFIC LOCATION	7.5 mrep/hr Distance (ft)	Area (ft²) and Class of Radiation β+γ		γ		Reading (mrep/hr) Maximum β+γ	Maximum γ	1 ft. β+γ	1 ft. γ
Material ON Racks	1.5	24	II			50	1.5	15	
" " "		56	I			37.5	—	—	
" " Cart	2	8	II			50	1.5	15	
" " "		12	I			37.5	—	—	
" " Tables		1	II			100	2	16	
" " "		12	I			37.5	—	—	

	Range mrep/hr	Weighting Factor	Total ft²	β+γ	γ
Class I	7.5 - 37.5	1	84		
Class II	37.5 - 300	5	33		
Class III	300 - 3000	40	0		
lass IV	> 3000	400	0		
		Grand Total (ft²)	117		

Maximum Reading β+γ 16.

WCX-2067 (10-53) K-25 SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem. Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
None Checked								
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
Recorded on Alpha Survey.						
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS: Decrease due to storing material on rack.

Inspector E B Eatherdge Op. Supervisor R. B. Brown Date 10-19-61

ALPHA CONTAMINATION AUDIT REPORT (3054)

Location K-1401 A Bay Tool Grinding Area Date 10-4-61

Supervisor in Charge E.D. Sternberg. Total Work Area 4200 ft²

Operations in Progress Routine Grinding Operations

Protective Measures in Force Film Badges.

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	0.0	0.24
	Area Factor (Total)	0.0	0.12
	Area Factor (Wipe)	0.0	0.12

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Floor Area					300	<100
Machines & Equipment					300	<100

	Range (c/m) Surface	Range (c/m) Wipe	Weighting Factor	
Class 0	*	–	0	Total ft²
Class I	500-2000	100-500	1	
Class II	2000-10,000	500-2000	5	
Class III	>10,000	>2000	20	
			Grand Total (ft²)	

137 <P.A.L.

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
		<100	<100			<100		
		<100	<100			<100		
		<100	<100			<100		
	No. > P.A.L.							
SUMMARY:	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
South End	610	10:28	7	140	0/3	0.02
Center	611	10:37	7	140	0/4	0.01
North End	612	10:45	7	140	0/4	0.02

SUMMARY:							
Air Samples	3	No. Taken		For Samples > P.A.L.	Total		Total 0.05
	0	No. > P.A.L.			%		Average 0.02
	—	% > P.A.L.					

REMARKS:

Inspector E B Eastridge Op. Supervisor H. H. Gresham Date 10-19-61

BHK

JW

ALPHA CONTAMINATION AUDIT REPORT (3055)

Location K-1401 Specimen Machining Area Date 9-5-61

Supervisor in Charge Brown Total Work Area 4000 ft²

Operations in Progress Routine machining operations.

Protective Measures in Force Film Badges.

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	5.9	1.8
	Area Factor (Total)	1.5	0.90
	Area Factor (Wipe)	1.1	0.90

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Lift Truck Platform.	5	II	5	III	7000	4000
Do All Saw Table	6	I	6	I	2000	300
" " "	2	II	2	II	3000	700
Equipment Pallets	48	I	30	I	1800	300

	Range (c/m) Surface	Range (c/m) Wipe	Weighting Factor	Total ft²		
Class 0	*	–	0			
Class I	500-2000	100-500	1		54	36
Class II	2000-10,000	500-2000	5		7	2
ss III	> 10,000	> 2000	20		0	5
			Grand Total (ft²)		61	43

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

PERSONNEL: CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr) Hands	Shoes Personal	Shoes Issue	Clothing Personal	Clothing Issue	Gloves	Rer Rer. No.
		300	<100			200	—	
		400	<100			300	—	
SUMMARY: 0 No. > P.A.L.		0	0			0	—	
6 No. Checked		2	2			2	—	
% Total Checks > P.A.L.								

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
North End	604	1:55	5	90	0 / 3	0.0
South End	605	2:02	5	80	0 / 1	0.0
SUMMARY: Air Samples 2	No. Taken		For Samples > P.A.L.		Total	Total 0.0
0	No. > P.A.L.				%	Average 0.0
—	% > P.A.L.					

REMARKS:

Inspector E.B. Eatridge Op. Supervisor R. B. Brown Date 9-7-61

JW

BETA-GAMMA RADIATION AUDIT REPORT

Location K-1401 Specimen Machining Area (3055) Date 9-5-61

Supervisor in Charge Brown Total Work Area 4000 ft²

Operations in Progress Routine Machining Operations

Protective Measures in Force Film Badges.

SUMMARY

RADIATION	This Survey	Last Survey
β+γ Index	13.	7.7
β+γ Area Factor	5.5	5.0
γ Area Factor	0.0	0.0

SPECIFIC LOCATION	7.5 mrep/hr Distance (ft)	Area (ft²) and Class of Radiation β+γ		γ		Reading (mrep/hr) Maximum β+γ	Maximum γ	1 ft. β+γ	1 ft. γ
Metal on Equip. Pallets.	2.5	41	II			45	2	17	0.6
" " " "	—	74	I			37.5	—	—	—
Metal on Pallet At Saw	3.5	25	II			100	4.5	55	1.
" " " " "	—	55	I			37.5	—	—	
Metal on Work Tables	1.5	6	II			85	3	15	—
" " " "	—	16	I			37.5	—	—	
Metal in Machine	1.	3	I			40		3	—

	Range mrep/hr	Weighting Factor			
Class I	7.5 - 37.5	1	Total ft²	148	
Class II	37.5 - 300	5		72	Maximum Reading β+γ 55.
Class III	300 - 3000	40		0	
Class IV	> 3000	400		0	
			Grand Total (ft²)	220	

WCX-2067 (10-53) K-25 SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr) Hands	Shoes Personal	Shoes Issue	Clothing Personal	Clothing Issue	Gloves	Rem Ref. No.
Recorded on Alpha Survey.								
SUMMARY: No. > P.A.L.								
No. Checked								
% Total Checks > P.A.L.								

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
Recorded on Alpha Survey.						
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS: El-Tronics meter in main office is out of order.

Inspector E.B. Eastridge Op. Supervisor R.B. Brown Date 9-7-61

JW

ALPHA CONTAMINATION AUDIT REPORT

(3054)

ation K-1401 A Bay Tool Grinding Area Date 9-5-61.

pervisor in Charge S.A. Specter. Total Work Area 4200. ft²

Operations in Progress Routine Tool Grinding.

Protective Measures in Force Film Badges.

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	0.24	0.0
	Area Factor (Total)	0.12	0.0
	Area Factor (Wipe)	0.12	0.0

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Tool Cabinet, Col. A18	3	I	3	I	1100	300
Tool Storage Boxes	2	I	2	I	1200	300

	Range Surface (c/m)	Range Wipe (c/m)	Weighting Factor	Surface	Wipe
Class 0	*	–	0		
Class I	500-2000	100-500	1	5	5
Class II	2000-10,000	500-2000	5	0	0
ss III	>10,000	>2000	20	0	0
			Grand Total (ft²)	5	5

Total ft²

B+7 < P.A.L.

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr) Hands	Shoes Personal	Shoes Issue	Clothing Personal	Clothing Issue	Gloves	Rer Rer. No.
		<100		<100		<100	—	
		<100	<100	<		<100	—	
SUMMARY: 0 No. > P.A.L.		0	0	0		0		
6 No. Checked		2	1	1		2		
— % Total Checks > P.A.L.								

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
South End	602	1:40	5	75	0/3	0.01
North End	603	1:47	5	80	0/4	0.0
SUMMARY: Air Samples	2 No. Taken		For Samples > P.A.L.		Total	Total 0.01
	0 No. > P.A.L.				%	Average 0.005
	— % > P.A.L.					

REMARKS:

Inspector E.B. Eatridge Op. Supervisor H. H. Gresham Date 9-19-61

JW

BETA-GAMMA RADIATION AUDIT REPORT

cation K-1401 Axial Flow Comp. Shop (300 ft) Date 8-24-61

upervisor in Charge J.G. Rogers Total Work Area 14,000 ft²

Operations in Progress Routine maint work.

Protective Measures in Force

SUMMARY

RADIATION		This Survey	Last Survey
	β+γ Index	0.0	0.29
	β+γ Area Factor	0.0	0.29
	γ Area Factor	0.0	0.0

SPECIFIC LOCATION	7.5 mrep/hr Distance (ft)	Area (ft²) and Class of Radiation β+γ		γ		Reading (mrep/hr) Maximum β+γ	Maximum γ	1 ft. β+γ	1 ft. γ
Compressor Opening						5	0.4	1	—

	Range mrep/hr	Weighting Factor	Total ft²			Maximum Reading β+γ
Class I	7.5 - 37.5	1		0	0	1'
Class II	37.5 - 300	5		0	0	
Class III	300 - 3000	40		0	0	
Class IV	>3000	400		0	0	1
		Grand Total (ft²)		0	0	

WCX-2067 (10-53) K-25 SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
None Checked								
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
None Taken						
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS: Decrease due to completing Job of repairing AC Pumps.

Inspector E. B. Eastridge Op. Supervisor J. C. Murray Date 8-29-61

5511 JW

Cold Area Survey.

ALPHA CONTAMINATION AUDIT REPORT

(3058)

Location K-1401 Carpenter Shop Date 8-28-61.

Supervisor in Charge H.C. Riggs Total Work Area 18,700 ft²

Operations in Progress Routine Carpenter Work.

Protective Measures in Force —

SUMMARY:

ALPHA CONTAMINATION		This Survey	Last Survey
	Index	0	0
	Area Factor (Total)	0	0
	Area Factor (Wipe)	0	0

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Floor, Work Benches & Equip.					150	<100

	Range Surface	(c/m) Wipe	Weighting Factor				
Class 0	*	–	0	Total ft²			13+γ <P.A.L.
Class I	500-2000	100-500	1		0	0	
Class II	2000-10,000	500-2000	5		0	0	
ss III	>10,000	>2000	20		0	0	
			Grand Total (ft²)		0	0	

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Re Ret. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
None Checked								
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
West Side	591	1:40	5	90	0 / 0	0.0
Center	592	1:48	5	80	0 / 2	0.0
East Side	593	1:55	5	80	0 / 2	0.0

SUMMARY:							
Air Samples	3	No. Taken		For Samples > P.A.L.	Total		Total 0.0
	0	No. > P.A.L.			%		Average 0.0
	—	% > P.A.L.					

REMARKS: No over P.A.L. Contamination Noted.

Inspector E B Eastridge Op. Supervisor H C Riggs Date

Cold Area Survey.

ALPHA CONTAMINATION AUDIT REPORT (3053)

Location K-1401 Cleaning & Preparation Area Date 8-17-61.

Supervisor in Charge G. L. Hickey. Total Work Area 54,400 ft²

Operations in Progress Routine Operations.

Protective Measures in Force Radiation Instruments

SUMMARY:

ALPHA CONTAMINATION		This Survey	Last Survey
	Index	2.6	—
	Area Factor (Total)	0.63	—
	Area Factor (Wipe)	0.51	—

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Floor At Sling Rack Col. J8	2	I	2	I	2000	500
" " " " " "	2	II	2	II	10000	2000
" " " " " "	1	III	1	III	>12500	3500
Equip. Pallet Col. J8.	16	I	16	I	1500	300
Wood Platform Col J10	6	I	5	I	2000	500
" " " "	2	II	2	II	10000	1200
" " " "	2	III	—	—	>12500	—
Floor At Col. J10	64	I	30	I	2000	400
" " " "	4	II	—	—	4000	—
Equip. Pallet Col J10	16	II	16	II	3500	1200
1st Bed Cart " "	12	I	12	I	1200	300
Equip. Cart Col H8	10	I	10	I	800	200
Floor Between Col H9 & I9	120	I	90	I	2000	500
" " " "	18	II	20	II	10000	2000
" " " "	3	III	3	III	>12500	>12500
Floor & Stand Col H15½	60	I	47	I	2000	500
" " " " "	5	II	10	II	10000	2000
" " " " "	2	III	10	III	>12500	5500

	Range Surface	(c/m) Wipe	Weighting Factor	Total ft²		
Class 0	*	—	0			
Class I	500-2000	100-500	1		290	212
Class II	2000-10,000	500-2000	5		47	50
ss III	>10,000	>2000	20		8	14
			Grand Total (ft²)		345	276.

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr) Hands	Shoes Personal	Shoes Issue	Clothing Personal	Clothing Issue	Gloves	Ret. No.
		<100		<100		<100	150	
		<100		150		200	200	
		<100		200		200	300	
		<100		400		150	300	
SUMMARY: 0 No. > P.A.L.		0		0		0	0	X
16 No. Checked		4		4		4	4	
— % Total Checks > P.A.L.								

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
Column No J9	570	9:39	5	80	0 / 2	0.0
" " G11	571	9:47	5	90	0 / 0	0.0
" " H14	572	9:55	5	100	0 / 0	0.0
SUMMARY: Air Samples — 3	No. Taken	X	For Samples > P.A.L.	Total	X	Total 0.01
0	No. > P.A.L.			%		Average 0.003
—	% > P.A.L.					

REMARKS:

Inspector E. B. Eastridge Op. Supervisor G. J. Hickey Date 8-24-61

BM JW

Cold Area Survey.

ALPHA CONTAMINATION AUDIT REPORT (3062)

Location K 1401 Converter Spool assembly Date 8-22-61

Supervisor in Charge G.M. De chur Total Work Area 6000 ft²

Operations in Progress Routine Maint Repair.

Protective Measures in Force —

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	1.3	
	Area Factor (Total)	0.92	
	Area Factor (Wipe)	0.33	

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Floor Around Saw. Col. F10	30	I	10	I	900	200
Floor At Col F 15	25	I	10	I	800	200

	Range (c/m) Surface	Range (c/m) Wipe	Weighting Factor				B+γ L.P.A.L.
Class 0	*	–	0	Total ft²			
Class I	500-2000	100-500	1		55	20	
Class II	2000-10,000	500-2000	5		0	0	
ss III	> 10,000	> 2000	20		0	0	
			Grand Total (ft²)		55	20	

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rer Ret. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
None Checked.								
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
South End	577	1130	5	80	0 / 0	0.01
Center	578	1139	5	80	0 / 0	0.0.
North End	579	1153	5	90	0 / 0	0.01
SUMMARY: Air Samples	3	No. Taken		For Samples > P.A.L.	Total	Total 0.02
	0	No. > P.A.L.			%	Average 0.01
	—	% > P.A.L.				

REMARKS:

Inspector E. B. Collins Op. Supervisor R. P. Schofield Date 8/24/61

NTO

Cold Area Survey.

ALPHA CONTAMINATION AUDIT REPORT

Location K-1401 Elec. Maint Shop (3059) Date 8-29-61

Supervisor in Charge J.W. Stout Total Work Area 1200 ft²

Operations in Progress No Shop Work IN Progress.

Protective Measures in Force

SUMMARY:

ALPHA CONTAMINATION		This Survey	Last Survey
	Index	0.0	
	Area Factor (Total)	0.0	
	Area Factor (Wipe)	0.0	

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Floor, Work Benches & Cabinets					200	<100

	Range Surface	(c/m) Wipe	Weighting Factor	
Class 0	*	–	0	Total ft²
Class I	500-2000	100-500	1	
Class II	2000-10,000	500-2000	5	
Class III	> 10,000	> 2000	20	
			Grand Total (ft²)	

B+7 <P.A.L.

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr) Hands	Shoes Personal	Shoes Issue	Clothing Personal	Clothing Issue	Gloves	Rer Ret. No.
None Present.								
SUMMARY: No. > P.A.L.								
No. Checked								
% Total Checks > P.A.L.								

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
Center of Area	597	10:34	10	120	0 / 0	0.02

SUMMARY: Air Samples						
	No. Taken		For Samples > P.A.L.	Total		Total 0.03
	No. > P.A.L.			%		Average 0.03
	% > P.A.L.					

REMARKS: No over P.A.L. Contamination Noted.

Inspector E.B. Eastridge Op. Supervisor A. N. Humphreys Date 8-30-61

K241

JW

BETA-GAMMA RADIATION AUDIT REPORT

(3053)

Location K-1401 Cleaning & Preparation Area Date 8-21-61.

Supervisor in Charge G. Z. Hickey Total Work Area 54,400 ft²

Operations in Progress Routine Operations.

Protective Measures in Force Radiation Instruments.

SUMMARY

RADIATION		This Survey	Last Survey
	β+γ Index	0.49	—
	β+γ Area Factor	0.33	—
	γ Area Factor	0.0	—

SPECIFIC LOCATION	7.5 mrep/hr Distance (ft)	Area (ft²) and Class of Radiation β+γ		γ		Reading (mrep/hr) Maximum β+γ	Maximum γ	1 ft. β+γ	1 ft. γ
K33 Converter Heads	3.	158	I			37.5	—	—	—
" " "	—	22	II			50	0.5	30	—

	Range mrep/hr	Weighting Factor	Total ft²	β+γ	γ
Class I	7.5 - 37.5	1		158	0
Class II	37.5 - 300	5		22	0
Class III	300 - 3000	40		0	0
Class IV	> 3000	400		0	0
		Grand Total (ft²)		180	0

Maximum Reading β+γ 30. 1'

WCX-2067 (10-53) K-25 SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr) Hands	Shoes Personal	Shoes Issue	Clothing Personal	Clothing Issue	Gloves	Rem. Ref. No.
Recorded on Alpha Survey								
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity C/M/ft^3
Recorded on Alpha Survey						
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS:

Inspector E. B. Eastridge Op. Supervisor G. Z. Hickey Date 8-24-61

ALPHA CONTAMINATION AUDIT REPORT (3012)

JW

Location K-1401 Cleaning, Test & Valve Shop, Lunch Area. Date 8-21-61

Supervisor in Charge G.L. Hickey. Total Work Area 800. ft²

Operations in Progress —

Protective Measures in Force —

SUMMARY:

ALPHA CONTAMINATION		This Survey	Last Survey
	Index	0	0
	Area Factor (Total)	0	0
	Area Factor (Wipe)	0	0

SPECIFIC LOCATION	Area (ft²) and Class of Contamination: Surface		Wipe		Maximum Reading (c/m): Surface	Wipe
Floor Area					200	<100
Tables & Benches					<100	<100

	Range Surface	(c/m) Wipe	Weighting Factor	
Class 0	*	–	0	Total ft²
Class I	500-2000	100-500	1	
Class II	2000-10,000	500-2000	5	
ss III	>10,000	>2000	20	
			Grand Total (ft²)	

13+7 <P.A.L.

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
None Present								
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
Center OF Area	573	10:03	5	90	0 / 0	0.0
SUMMARY: Air Samples	1	No. Taken		For Samples > P.A.L.	Total	Total 0.0
	0	No. > P.A.L.			%	Average 0.0
	0	% > P.A.L.				

REMARKS:

Inspector E B Eastridge Op. Supervisor G. Z. Hickey Date 8-24-61

BAK

Cold Area Survey. JW

ALPHA CONTAMINATION AUDIT REPORT

Location K-1401 Machine Shop. (3056) Date 8-14-61

Supervisor in Charge _____ Total Work Area 33,600 ft²

Operations in Progress Routine Operations

Protective Measures in Force —

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	0.02	
	Area Factor (Total)	0.02	
	Area Factor (Wipe)	0.00	

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Wood Platform Col. D 14½	6	I	–	–	900	<100
Metal Plate. Col B 15½	25		25		1200	500
Machine Parts Col B 18½	40		40		10000	1200

	Range Surface	(c/m) Wipe	Weighting Factor	Total ft²		
Class 0	*	–	0			
Class I	500-2000	100-500	1		6	0
Class II	2000-10,000	500-2000	5		0	0
ss III	>10,000	>2000	20		0	0
			Grand Total (ft²)		6	0

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr) Hands	Shoes Personal	Shoes Issue	Clothing Personal	Clothing Issue	Gloves	Ren Ref. No.
		<100	<100		<100		4500	
		<100		<100		<100	<100	
SUMMARY: 1 No. > P.A.L.		0	0	0	0	0	1	
8 No. Checked		2	1	1	1	1	2	
15 % Total Checks > P.A.L.								

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
Col. NO E18	559	2 37	5	90	0 / 2	0.02
" " D15	560	2 33	5	90	0 / 3	0.0[illegible]
" " D13	563	2 44	5	90	0 / 2	0.01
" " C12	564	2 52	5	90	0 / 1	0.00
" " B18	565	3 02	5	90	0 / 0	0.02
SUMMARY: Air Samples	5	No. Taken		For Samples > P.A.L.	Total	Total 0.05
	0	No. > P.A.L.			%	Average 0.01
	/	% > P.A.L.				

REMARKS:

Inspector E B Eastridge Op. Supervisor E. O. Steinberg Date

BAK

JW

BETA-GAMMA-RADIATION AUDIT REPORT

Location K-1401 Machine Shop. (3056) Date 8-15-61

Supervisor in Charge S.A. Specter. Total Work Area 33,600 ft²

Operations in Progress Routine Operations.

Protective Measures in Force —

SUMMARY

RADIATION	This Survey	Last Survey
β+γ Index	0.13	
β+γ Area Factor	0.06	
γ Area Factor	0.00	

SPECIFIC LOCATION	7.5 mrep/hr Distance (ft)	Area (ft²) and Class of Radiation β+γ		γ		Reading (mrep/hr) Maximum β+γ	Maximum γ	1 ft. β+γ	1 ft. γ
Equip. on Table. Col. E 17	2	4	II	–	–	115	5	30	
" " " " " "	–	9	I	–	–	37.5	–	–	
Equip on Table. Col C 19	1.5	2	II	–	–	105	4.5	2.5	
" " " " "	–	5	I	–	–	37.5	–	–	

	Range mrep/hr	Weighting Factor	Total ft²			Maximum Reading β+γ
Class I	7.5 - 37.5	1		14	0	1'
Class II	37.5 - 300	5		6	0	
Class III	300 - 3000	40		0	0	
Class IV	> 3000	400		0	0	30.
		Grand Total (ft²)		20	0	

WCX-2067 (10-53) K-25 SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem. Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
Recorded on Alpha Survey								
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
Recorded on Alpha Survey						
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS:

Inspector E. B. Eastridge Op. Supervisor E. O. Stemley Date

BHK

JW

ALPHA CONTAMINATION AUDIT REPORT

(3011)

Location K-1401 Machine Shop Lunch Area Date 8-14-61

Supervisor in Charge S.A. Specter Total Work Area 580 ft²

Operations in Progress —

Protective Measures in Force —

SUMMARY:

ALPHA CONTAMINATION		This Survey	Last Survey
	Index	0.0	0.0
	Area Factor (Total)	0.0	0.0
	Area Factor (Wipe)	0.0	0.0

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Floor					<100	<100
Tables & Benches					<100	<100

	Range (c/m) Surface	Range (c/m) Wipe	Weighting Factor	Total ft²			
Class 0	*	–	0				13 + 7 < P.A.L.
Class I	500-2000	100-500	1		0	0	
Class II	2000-10,000	500-2000	5		0	0	
ss III	→10,000	→2000	20		0	0	
			Grand Total (ft²)		0	0	

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr) Hands	Shoes Personal	Shoes Issue	Clothing Personal	Clothing Issue	Gloves	Ret. No.
None Present								

Cold Area Survey.

ALPHA CONTAMINATION AUDIT REPORT

Location K-1401 Motor Repair Shop (3008) Date 8-23-61.

Supervisor in Charge C.H. Fundeburg. Total Work Area 14000 ft²

Operations in Progress Routine Motor Repair Work.

Protective Measures in Force

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	0.14	
	Area Factor (Total)	0.01	
	Area Factor (Wipe)	0.01	

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Electric Motor At Col. A23½	2	II	2	II	6000	800
Floor Area					300	<100
Tables & Carts					300	<100

	Range Surface	(c/m) Wipe	Weighting Factor	Total ft²			
Class 0	*	–	0				13+7 <P.A.L.
Class I	500-2000	100-500	1		0	6	
Class II	2000-10,000	500-2000	5		2	2	
Class III	>10,000	>2000	20		0	0	
			Grand Total (ft²)		2	2	

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Re: Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
None Checked								
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
South End	583	2:32	5	80	0 / 1	0.0
Center	584	2:40	5	90	0 / 1	0.0
North End	585	2:50	5	80	0 / 1	0.01

SUMMARY:	Air Samples				For Samples > P.A.L.	Total		Total 0.03
		5	No. Taken					Average 0.01
		0	No. > P.A.L.			%		
		0	% > P.A.L.					

REMARKS:

Inspector E B Eastridge Op. Supervisor C H Sanderburg Date 8-30-61

B.K.

Cold Area Survey. JW

ALPHA CONTAMINATION AUDIT REPORT

Location K-1401 Paint Shop (3060) Date 8-28-61.

Supervisor in Charge C.R. Abercrombie. Total Work Area 3600. ft²

Operations in Progress Routine Spray Painting

Protective Measures in Force —

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	0.0	
	Area Factor (Total)	0.0	
	Area Factor (Wipe)	0.0	

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Floor & Equipment					150	<100

	Range (c/m) Surface	Range (c/m) Wipe	Weighting Factor	Total ft²			
Class 0	*	–	0				13+1 LPAL.
Class I	500-2000	100-500	1		0	0	
Class II	2000-10,000	500-2000	5		0	0	
Class III	> 10,000	> 2000	20		0	0	
			Grand Total (ft²)		0	0	

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rer Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
None Checked								
SUMMARY: No. > P.A.L.								
SUMMARY: No. Checked								
SUMMARY: % Total Checks > P.A.L.								

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
West Side	594	2:10	5	80	0 / 0	0.0
East Side	595	2:17	5	85	0 / 2	0.0

SUMMARY: Air Samples						
	2	No. Taken	For Samples > P.A.L.	Total		Total 0.02
	0	No. > P.A.L.		%		Average 0.01
	—	% > P.A.L.				

REMARKS: No over P.A.L. Contamination Noted.

Inspector E B Eastridge Op. Supervisor C.R. Abercrombie Date 8-30-61

AS 110

Cold Area Survey, JW

ALPHA CONTAMINATION AUDIT REPORT

Location K-1401 Sheet Metal Shop. (3061) Date 8-15-61

Supervisor in Charge D.E. Gillespie Total Work Area 22,000 ft²

Operations in Progress Routine Operations.

Protective Measures in Force

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	0.0	
	Area Factor (Total)	0.0	
	Area Factor (Wipe)	0.0	

SPECIFIC LOCATION	Area (ft²) and Class of Contamination: Surface		Wipe		Maximum Reading (c/m): Surface	Wipe
Floor Area					300	<100
Tables & Equipment					200	<100

	Range Surface (c/m)	Range Wipe (c/m)	Weighting Factor	Surface Total ft²	Wipe Total ft²
Class 0	*	–	0		
Class I	500-2000	100-500	1	0	0
Class II	2000-10,000	500-2000	5	0	0
Class III	>10,000	>2000	20	0	0
			Grand Total (ft²)	0	0

B+? < P.A.L.

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr) Hands	Shoes Personal	Shoes Issue	Clothing Personal	Clothing Issue	Gloves	Ret. No.
None Checked								
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
Column No. G 21	566	8:58	5	80	0 / 2	0.0
" " E 21	567	9:05	5	80	0 / 0	0.0
" " F 24	568	9:12	5	90	0 / 2	0.0

SUMMARY:						
Air Samples	3	No. Taken	For Samples > P.A.L.	Total	Total 0.0	
	0	No. > P.A.L.		%	Average 0.0	
	—	% > P.A.L.				

REMARKS:

Inspector E. B. Eastburn Op. Supervisor E. O. Stemley Date

BH

JN

ALPHA CONTAMINATION AUDIT REPORT (3014)

Location K-1401 Sheet Metal Shop Lunch Area Date 8-17-61

Supervisor in Charge D.E. Gillispie Total Work Area 200 ft²

Operations in Progress —

Protective Measures in Force —

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	0	0
	Area Factor (Total)	0	0
	Area Factor (Wipe)	0	0

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Tables & Benches					<100	<100
Floor Area					200	<100

	Range Surface	(c/m) Wipe	Weighting Factor	
Class 0	*	—	0	Total ft²
Class I	500-2000	100-500	1	
Class II	2000-10,000	500-2000	5	
ss III	> 10,000	> 2000	20	
			Grand Total (ft²)	

B+7 <P.A.L.

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Re: Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
None Present								
SUMMARY: No. > P.A.L.								
SUMMARY: No. Checked								
SUMMARY: % Total Checks > P.A.L.								

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
Center of Area	569	9:19	5	90	0/0	0.0
SUMMARY: Air Samples	1	No. Taken		For Samples > P.A.L.	Total	Total 0.0
	0	No. > P.A.L.			%	Average 0.0
	—	% > P.A.L.				

REMARKS:

Inspector E B Eastridge Op. Supervisor A. C. Smythe for D. Gillespie Date

BHH. JW

ALPHA CONTAMINATION AUDIT REPORT

Specimen

Location K-1401 D-Bay Machining Area (3055) Date 8-10-61

Supervisor in Charge _____ Total Work Area 440 ft²

Operations in Progress Routine operations.

Protective Measures in Force —

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	1.8	
	Area Factor (Total)	0.90	
	Area Factor (Wipe)	0.90	

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Tool Cabinet	4	I	4	I	1400	200
Floor					300	<100
Machines & Equipment					300	<100

	Range Surface	(c/m) Wipe	Weighting Factor			
Class 0	*	–	0	Total ft²		
Class I	500-2000	100-500	1		4	4
Class II	2000-10,000	500-2000	5		0	0
Class III	> 10,000	> 2000	20		0	0
			Grand Total (ft²)		4	4

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr) Hands	Shoes Personal	Shoes Issue	Clothing Personal	Clothing Issue	Gloves	Rel Ref. No.
		200	<100			<100	—	
SUMMARY: 0 No. > P.A.L.		0	0			0		
3 No. Checked		1	1			1		
— % Total Checks > P.A.L.								

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
North End	554	10:24	10	150	0 / 1	0.01
South End	555	10:35	10	170	0 / 1	0.0.
Breathing Zone Samples						
Elec. Etching U. Plates	556	12:30	120	78	0 / 1	0.00
Machining " "	557	12:30	120	72	0 / 1	0.01
SUMMARY: Air Samples 2	No. Taken		For Samples > P.A.L.		Total 2	Total 0.01
0	No. > P.A.L.				% —	Average 0.005
—	% > P.A.L.					

REMARKS:

Inspector E. B. Eastridge Op. Supervisor E. O. Steinberg Date

BTS

BTS: ~~Northington~~

JW (3455)

BETA-GAMMA RADIATION AUDIT REPORT

Location K-1401 D Bay. Specimen Metal Machining Area Date 8-3-61

Supervisor in Charge S.A. Specter Total Work Area 440 ft²

Operations in Progress No Operation IN Progress.

Protective Measures in Force ——

SUMMARY

RADIATION		This Survey	Last Survey
	$\beta+\gamma$ Index	7.7	
	$\beta+\gamma$ Area Factor	5.0	
	γ Area Factor	0.0	

SPECIFIC LOCATION	7.5 mrep/hr Distance (ft)	Area (ft²) and Class of Radiation $\beta+\gamma$		γ		Reading (mrep/hr) Maximum $\beta+\gamma$	Maximum γ	1 ft. $\beta+\gamma$	1 ft. γ
Round Slugs on Table	2.	1	II			80	3	17	—
" " " "	—	8	I	—		37.5	—	—	—
1"X 1" Slugs on Tables	2	2	II			80	3	17	—
" " " "	—	11	I			37.5	—	—	—

	Range mrep/hr	Weighting Factor		$\beta+\gamma$	γ
Class I	7.5 - 37.5	1	Total ft²	19	
Class II	37.5 - 300	5		3	
Class III	300 - 3000	40		0	
Class IV	> 3000	400		0	
			Grand Total (ft²)	22	

Maximum Reading $\beta+\gamma$ 17.

WCX-2067 (10-53) K-25 SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
Recorded on Alpha Survey								
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
Recorded on Alpha Survey						
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS:

Inspector E B Eastridge Op. Supervisor E. O. Steinberg Date

BMB

Special Survey. JW.

ALPHA CONTAMINATION AUDIT REPORT

ation K-1401 Specimen Machining Area Date 8-31-61.

..pervisor in Charge E.O. Sternberg. Total Work Area _____ ft^2

Operations in Progress Operating Do-All Saw.

Protective Measures in Force _____

SUMMARY:

ALPHA CONTAMINATION		This Survey	Last Survey
	Index		
	Area Factor (Total)		
	Area Factor (Wipe)		

	SPECIFIC LOCATION	Area (ft^2) and Class of Contamination				Maximum Reading (c/m)	
		~~Surface~~		~~Wipe~~		Surface	Wipe
(1)	Piece of Metal. (Surface)	β+γ =	5.5	mr/hr.		18000	3000
2)	" " " " "	"	50	"		20000	6500

	Range Surface	(c/m) Wipe	Weighting Factor	
Class 0	*	–	0	Total ft^2
Class I	500-2000	100-500	1	
Class II	2000-10,000	500-2000	5	
ss III	> 10,000	> 2000	20	
			Grand Total (ft^2)	

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rer Ret. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
* 1' From Saw	596	9 01	330	198	0 / 1	5.8
2' " "	599	9 29	22	13	0 / 1	0.3
(1) 4' " "	600	9 29	22	330	0 / 1	0.03
2' " "	598	9 59	46	28	0 / 1	0.36
(2) 4' " "	601	9 59	46	460	0 / 1	0.07
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS: * 8-29-61. □ 8-31-61. Sawing Pieces of metal during air sampling.

Inspector E.B. Eastridge Op. Supervisor R.B. Brown Date 9-7-61

BHY

JW

ALPHA CONTAMINATION AUDIT REPORT

(3054)

ation K-1401 A-Bay Tool Grinding Area Date 8-3-61.

pervisor in Charge S.A. Specter Total Work Area 4200. ft²

Operations in Progress Routine Machine Operation.

Protective Measures in Force — Film Badges.

SUMMARY:

ALPHA CONTAMINATION		This Survey	Last Survey
	Index	0.0	
	Area Factor (Total)	0.0	
	Area Factor (Wipe)	0.0	

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Floor Area					250	<100
Machines & Equipment					150	<100
Twist Drills					1300	250
" "					200	200
" "					400	150
" "					25000	2000
" "					1000	200
" "					200	200
" "					300	<100
" "					200	150
" "					600	300
" "					400	200
" "					60000	5000
Lot of 17 Lathe Bits					750	150
" " 17 " "					1300	150

	Range Surface	(c/m) Wipe	Weighting Factor	
Class 0	*	–	0	Total ft²
Class I	500-2000	100-500	1	
Class II	2000-10,000	500-2000	5	
ss III	> 10,000	> 2000	20	
			Grand Total (ft²)	

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr) Hands	Shoes Personal	Shoes Issue	Clothing Personal	Clothing Issue	Gloves	Rer Ret. No.
		<100	<100			<100	—	
		700		<100		<100	—	
		<100		200		<100		
		300		300		<100		
		150	<100			300		
SUMMARY: 0 No. > P.A.L.		0	0	0		0		
15 No. Checked		5	2	3		5		
% Total Checks > P.A.L.								

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
Southend	551	9:25	10	150	0 / 2	0.01
Center	552	9:37	10	180	0 / 6	0.0
North end	553	9:48	10	160	0 / 6	0.00
Exhaust Fan Outlet	550	9:00	360	234	0 / 0	0.01
Breathing Zone Samples						
Grinding Twist Drills	561	8:55	185	111	0 / 1	0.0
" Machine Bits	562	9:00	180	117	0 / 1	0.0
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total —	Total 0.0
0	No. > P.A.L.				% —	Average 0.003
0	% > P.A.L.					

REMARKS:

Inspector E.B. Eathridge Op. Supervisor E.O. Stanley Date

BKA

JW

BETA-GAMMA RADIATION AUDIT REPORT (3054)

Location K-1401 A Bay Tool Grinding Area Date 8-3-61

Supervisor in Charge S.A. Specter Total Work Area 4200. ft²

Operations in Progress Routine Machine Operation

Protective Measures in Force Film Badges

SUMMARY

RADIATION		This Survey	Last Survey
	β+γ Index	0.26	
	β+γ Area Factor	0.17	
	γ Area Factor	0.0	

SPECIFIC LOCATION	7.5 mrep/hr Distance (ft)	Area (ft²) and Class of Radiation β+γ		γ		Reading (mrep/hr) Maximum β+γ	Maximum γ	1 ft. β+γ	1 ft. γ
1"x1" Slugs on Table	1.5	1	II			7.5	3	15	–
" " " "		6	I			37.5	–	–	–

	Range mrep/hr	Weighting Factor		β+γ	γ
Class I	7.5 - 37.5	1	Total ft²	6	
Class II	37.5 - 300	5		1	
Class III	300 - 3000	40		0	
lass IV	> 3000	400		0	
			Grand Total (ft²)	7	

Maximum Reading β+γ 1' 15

WCX-2067 (10-53) K-25 SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr) Hands	Shoes Personal	Shoes Issue	Clothing Personal	Clothing Issue	Gloves	Rem Ref. No.
Recorded on Alpha Survey								
SUMMARY: No. > P.A.L.								
SUMMARY: No. Checked								
SUMMARY: % Total Checks > P.A.L.								

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
Recorded on Alpha Survey						
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS:

Inspector E. B. Eastridge Op. Supervisor E. O. Stanley Date

ADM JW

Cold Area Survey

ALPHA CONTAMINATION AUDIT REPORT

Location K-1401 Utility Maint Shop (3057) Date 8-28-61

Supervisor in Charge W. F. Wilson Total Work Area 13,400 ft²

Operations in Progress Routine Maint Work.

Protective Measures in Force Film Badges.

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	0	
	Area Factor (Total)	0	
	Area Factor (Wipe)	0	

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Floor Work Benches & Equip.					250	<100

	Range Surface	Range (c/m) Wipe	Weighting Factor	Total ft²			
Class 0	*	–	0				B+γ <P.A.L.
Class I	500-2000	100-500	1		0	0	
Class II	2000-10,000	500-2000	5		0	0	
ss III	> 10,000	> 2000	20		0	0	
			Grand Total (ft²)		0	0	

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rer Ret. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
None Checked								
SUMMARY: No. > P.A.L.								
SUMMARY: No. Checked								
SUMMARY: % Total Checks > P.A.L.								

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
Column No. E 25	589	1:24	5	85	0 / 1	0.01
" " D 22½	590	1:31	5	80	0 / 0	0.0
SUMMARY: Air Samples	2 No. Taken		For Samples > P.A.L.		Total —	Total 0.01
	0 No. > P.A.L.				% —	Average 0.01
	— % > P.A.L.					

REMARKS: No over P.A.L. Contamination Noted.

Inspector E B Eastridge Op. Supervisor G M Hallingsworth Date 8-30-61

Cold Area Survey.

ALPHA CONTAMINATION AUDIT REPORT (3051)

ation K-1401 Vacuum Pump Shop Date 8-24-61

pervisor in Charge J.G. Rogers. Total Work Area 8800 ft²

Operations in Progress Routine Maint Work.

Protective Measures in Force Film Badges.

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	20.	—
	Area Factor (Total)	8.4	—
	Area Factor (Wipe)	7.8	—

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Column A 13½-14½						
Floor & Work Benches	371	I	288	I	2000	500
" " "	18	II	12	II	6000	1400
Column A 12½-13½						
Floor & Work Benches	304	I	380	I	2000	400
" " "	46	II	—	—	3500	—
Work Table At Col B11	4	I	4	I	900	200

	Range Surface	(c/m) Wipe	Weighting Factor	Total ft²		
Class 0	*	—	0			
Class I	500-2000	100-500	1	679	672	
Class II	2000-10,000	500-2000	5	64	12	
ss III	> 10,000	> 2000	20	0	0	
			Grand Total (ft²)	743	684	

13+7 < P.A.L.

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr) Hands	Shoes Personal	Shoes Issue	Clothing Personal	Clothing Issue	Gloves	Rer Ret. No.
		<100		400		<100	1500	
		<100		300		<100	—	
SUMMARY: 0 No. > P.A.L.		0		0		0	0	
7 No. Checked		2		2		2	1	
/ % Total Checks > P.A.L.								

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
North End	586	2:20	10	150	0 / 1	0.01
Center	587	2:32	10	160	0 / 1	0.01
South End	588	2:44	10	160	0 / 2	0.00
SUMMARY: Air Samples	3 No. Taken		For Samples > P.A.L.		Total	Total 0.01
	0 No. > P.A.L.				%	Average 0.003
	/ % > P.A.L.					

REMARKS: Contamination in area is from repair work on AC Pump from K31.

Inspector E. B. Eastridge Op. Supervisor J. C. Murray Date 8-29-61

[Completion from survey with 8,800 sq. ft.]

ALPHA CONTAMINATION AUDIT REPORT

Location K-1401 Vacuum & A.C. Pump Shop Date 8-24-61.
Supervisor in Charge _____ Total Work Area 9600. ft²
Operations in Progress _____

Protective Measures in Force _____

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	18.	
	Area Factor (Total)	7.7	
	Area Factor (Wipe)	7.1	

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem. Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS:

Inspector_____ Op. Supervisor _____ Date_____

BMK

JW

ALPHA CONTAMINATION AUDIT REPORT (3003)

Location K-1401 Valve Shop. (E Bay) Date 8-22-61.

Supervisor in Charge G.M. Delcour. Total Work Area 6000 ft²

Operations in Progress Routine Maint Repair.

Protective Measures in Force —

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	96.	16.
	Area Factor (Total)	24.	10.
	Area Factor (Wipe)	32.	0.

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Floor & Equip. IN North End	874	I	1394	I	2000	500
" " " " "	35	II	82	II	5500	1600
Floor Around Horizontal Press	12	I	12	I	1200	200
Horizontal Press.	1	III	1	III	>12500	6000
Work Benches & Tables, S. End	96	I	85	I	2000	500
" " " " "	102	II	120	II	10000	2000
" " " " "	9	III	22	III	>12500	8000
Floor Area IN S. End	242	I	186	I	2000	500
" " " " "	44	II	30	II	10000	2000
" " " " "	3	III	3	III	>12500	3500

	Range Surface	(c/m) Wipe	Weighting Factor	Total ft²		
Class 0	*	—	0			
Class I	500-2000	100-500	1	1224	1677	
Class II	2000-10,000	500-2000	5	181	232	
ss III	> 10,000	> 2000	20	13	26	
			Grand Total (ft²)	1418	1935	

13 + 7 < P.A.L.

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr) Hands	Shoes Personal	Shoes Issue	Clothing Personal	Clothing Issue	Gloves	Rer Ret. No.
		150		300		150	2500	
		150		1000		<100	2500	
SUMMARY: 0 No. > P.A.L.		0		0		0	0	
68 No. Checked		2		3		2	2	
0 % Total Checks > P.A.L.								

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
North End	574	1:08	5	80	0 / 0	0.01
Center	575	1:15	5	90	0 / 2	0.0
South End	576	1:23	5	85	0 / 0	0.00

SUMMARY: Air Samples			For Samples > P.A.L.	Total	Total
	3	No. Taken			0.02
	0	No. > P.A.L.		%	Average 0.01
	—	% > P.A.L.			

REMARKS: Increase due to Changing Valves in MD Cylinders & routine Valve repair work.

Inspector E B Eastridge Op. Supervisor R H Scofield Date 8/24/61

with 6,000 ft²

ALPHA CONTAMINATION AUDIT REPORT

Location K-1401 Valve Shop Date 8-22-61

Supervisor in Charge _____ Total Work Area 8000. ft²

Operations in Progress _____

Protective Measures in Force _____

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	72	
	Area Factor (Total)	18.	
	Area Factor (Wipe)	24.	

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem. Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS:

Inspector_____ Op. Supervisor_____ Date_____

Cold Area Survey

ALPHA CONTAMINATION AUDIT REPORT

Location K-1401 Weld Shop (3052) Date 8-23-61

Supervisor in Charge M. E. Berryhill Total Work Area 32,000 ft²

Operations in Progress Routine Welding Operations.

Protective Measures in Force —

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	1.1	
	Area Factor (Total)	0.44	
	Area Factor (Wipe)	0.44	

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Brick Floor At Col. I 21	130	I	130	I	2000	500
" " " " " "	8	II	8	II	7000	1600
Work Table. Col. K 8½	3	I	3	I	1800	300

	Range Surface	(c/m) Wipe	Weighting Factor	Total ft²		
Class 0	*	–	0			
Class I	500-2000	100-500	1	133	133	
Class II	2000-10,000	500-2000	5	8	8	
ss III	> 10,000	> 2000	20	0	0	
			Grand Total (ft²)	141	141	

13+γ < P.A.L.

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rer Ret. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
None Checked								
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
South End	580	11:50	5	85	0 / 1	0.0[illegible]
Center	581	11:56	5	85	0 / 4	0.0[illegible]
North End	582	12:03	5	95	0 / 0	0.01
SUMMARY: Air Samples	3	No. Taken		For Samples > P.A.L.	Total	Total 0.02
	0	No. > P.A.L.			%	Average 0.01
	—	% > P.A.L.				

REMARKS:

Inspector E B Eatinger Op. Supervisor M E Berryhill Date 8-30-61

JW

ALPHA CONTAMINATION AUDIT REPORT (3002)

ation K-1401 Axial Flow Compressor Shop Date 7-27-61.

Supervisor in Charge J.C. Murry. Total Work Area 19000 ft²

Operations in Progress Routine Compressor Repair.

Protective Measures in Force Film Badge & Air Monitor.

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Surface Index 32 X 2 =	64.	179.
	Area Factor (Total)	20.	48.
	Area Factor (Wipe)	—	51.

SPECIFIC LOCATION	Area (ft²) and Class of Contamination: Surface		Wipe		Maximum Reading (c/m): Surface	Wipe
Floor in truck alley	1020	I			1500	
Floor & Equip. Near OFFice	222	I			2000	
" " " "	18	II			7500	
Table & Stands B Bay Col 10½	12	I			2000	
" " " " "	4	II			5500	
Floor in A Bay Col B 10	36	I			1400	
Floor Near Col No. C 11	2	I			2000	
" " " " "	2	II			3500	
Equip. Jigs in C Bay	45	I			1600	
Floor & Equip in C Bay pit	56	I			2000	
" " " " " "	4	II			3500	
D Bay.						
Floor & Equip. Col 11½-13	2071	I			2000	
" " " " "	275	II			10000	
" " " " "	54	III			>12500	

	Range Surface	(c/m) Wipe	Weighting Factor	Total ft²	Surface	Wipe
Class 0	*	–	0			
Class I	500-2000	100-500	1		3464	
Class II	2000-10,000	500-2000	5		303	
ss III	>10,000	>2000	20		54	
			Grand Total (ft²)		3821	

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rer Ret. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
None Checked								
SUMMARY: No. > P.A.L.								
SUMMARY: No. Checked								
SUMMARY: % Total Checks > P.A.L.								

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
None Taken						
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS: Decrease due to Painting Floor in A.C. Pump dismantling & Assembly areas.

Inspector E.B. Eon Tiss Op. Supervisor J.L. Rogers Date 7-31-61

1. Shinn
2. Giles

Special Survey. JW

ALPHA CONTAMINATION AUDIT REPORT

Location K-1404 Degreasing Area. Date 7-10-61.
Supervisor in Charge G. L. Hickey. Total Work Area 8800. ft²
Operations in Progress Routine Degreasing Operation.

Protective Measures in Force —

SUMMARY:

ALPHA CONTAMINATION		This Survey	Last Survey
	Index	1.5	
	Area Factor (Total)	0.25	
	Area Factor (Wipe)	0.25	

SPECIFIC LOCATION	Area (ft²) and Class of Contamination: Surface		Wipe		Maximum Reading (c/m): Surface	Wipe
Floor Between Col J8 & N. Wall	18	I	18	I	2000	500
" " " " " "	2	II	2	II	10000	2000
" " " " " "	2	III	2	III	>12500	3500
Platforms Around Degreasers					300	<100
Screen For Use Under Lathes During Degreasing					200	<100

	Range (c/m) Surface	Wipe	Weighting Factor	Total ft²		
Class 0	*	–	0			
Class I	500-2000	100-500	1		18	18
Class II	2000-10,000	500-2000	5		2	2
Class III	>10,000	>2000	20		2	2
			Grand Total (ft²)		22	22

β+γ <P.A.L.

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr) Hands	Shoes Personal	Shoes Issue	Clothing Personal	Clothing Issue	Gloves	Rel. No.
None Checked								

1. Shynn
2. Files

Special Survey. JW

ALPHA CONTAMINATION AUDIT REPORT

Location K-1401 Col J10 - J12 Date 7-6-61.

Supervisor in Charge G.Z. Hickey Total Work Area 1200. ft²

Operations in Progress

Protective Measures in Force —

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	6.5	
	Area Factor (Total)	1.9	
	Area Factor (Wipe)	1.9	

SPECIFIC LOCATION	Area (ft²) and Class of Contamination: Surface		Wipe		Maximum Reading (c/m): Surface	Wipe
Floor At Col J10	16	I	16	I	2000	500
" " " Top OF Waste Oil Drum	4	II	4	II	4500	1200
	3	I	3	I	800	300

	Range (c/m) Surface	Wipe	Weighting Factor	Total ft²			
Class 0	*	–	0				β+γ <P.A.L.
Class I	500-2000	100-500	1		19	19	
Class II	2000-10,000	500-2000	5		4	4	
Class III	>10,000	>2000	20		0	0	
			Grand Total (ft²)		23	23	

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
None Checked								
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
None Taken.						
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS: Contamination around Col. J10 is from A.C. Pump dismantling operation.
Oil in waste drum is from lathe gear boxes.
Col. J10-12 is where lathes are being dismantled before degreasing.

Inspector E.B. Eastridge Op. Supervisor S.M. Del Coeur Date 7-11-61

JW

ALPHA CONTAMINATION AUDIT REPORT (3002)

Location K-1401 Axial Flow Compressor Shop Date 5-8-61.

Supervisor in Charge R.E. Mount Total Work Area 19000 ft²

Operations in Progress Routine Compressor & A.C. Pump Repair Work.

Protective Measures in Force Respirators, Gloves & Air Monitor.

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	179.	228.
	Area Factor (Total)	48.	41.
	Area Factor (Wipe)	51.	34.

SPECIFIC LOCATION	Area (ft²) and Class of Contamination: Surface		Wipe		Maximum Reading (c/m): Surface	Wipe
A.C. Pump Dismant. Area (2400)						
Floor & Equipment	1380	I	1650	I	2000	500
" "	644	II	675	II	10000	2000
" "	92	III	112	III	>12500	>12500
A.C. Pump Assembly Area (3200)						
Floor & Equipment.	2288	I	2479	I	2000	500
" "	264	II	148	II	10000	2000
" "	44	III	37	III	>12500	3500
Truck Alley (3200)						
Floor Area	1100	I	1200	I	1200	300.
B Bay.						
Floor & Equip Col B10-11	52	I	40	I	2000	500
Floor At Col B12	24	II	18	II	5000	800
C Bay.	8	I	8	I	900	300
Floor & Equip.	1665	I	2211	I	2000	500
" "	37	II	68	II	4000	700
D Bay.						
Floor & Equip. Col 11½-13	1140	I	1035	I	2000	500
" "	450	II	90	II	4000	800

	Range (c/m) Surface	Wipe	Weighting Factor	Total ft²	
Class 0	*	–	0		
Class I	500-2000	100-500	1	7633	8623
Class II	2000-10,000	500-2000	5	1419	999
Class III	> 10,000	> 2000	20	136	149
			Grand Total (ft²)	9188	9771

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr) Hands	Shoes Personal	Shoes Issue	Clothing Personal	Clothing Issue	Gloves	Rem Ref. No.	Resp.
		<100		2500		6500	7500		1500
		<100		1200		3500	7000		—
		300		700	—	300	1200		700
		1200		1000		1500	1200		<100
		1200		800		900	2000		—
		1400		1000		1200	500		—
		700		<100		900	7500		—
		200		900		1200	7000		—
		200		500		500	5000		—
		<100		750		400	7000		<100
SUMMARY:	4 10 No. > P.A.L.	3		0		1	6		
	30 40 No. Checked	10		10		10	10		
	13 25 % Total Checks > P.A.L.								

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
East Side of Pump Dism.	415	1:37	10	150	3/4	1.83
West " " " "	416	1:50	10	150	3/4	0.38
A.C. Pump Assembly D Bay	417	2:05	10	180	0/4	0.61
" " " C "	418	2:20	10	180	0/4	0.02
" " " A "	419	2:35	10	150	0/4	0.03
Col. No C 10	420	1:51	8	136	0/2	0.01
" " B 11	421	2:00	8	136	0/4	0.03
Compressor Pit	422	2:10	8	128	0/10	0.02
Col. No. C 11	423	2:20	8	136	0/2	0.03
" " D 12	424	2:29	7	126	0/3	0.03
SUMMARY: Air Samples	10	No. Taken		For Samples > P.A.L.	Total —	Total 2.99
	0	No. > P.A.L.			% —	Average 0.29
	—	% > P.A.L.				

REMARKS: Decrease due to painting floor in A.C. Pump dismantling area.

Inspector E. B. Eastridge Op. Supervisor A. M. Del Coro Date 5-12-61

JW

BETA-GAMMA RADIATION AUDIT REPORT

(3002)

Location K-1401 Axial Flow Comp. Shop Date 5-4-61

Supervisor in Charge R.E. MOUNT. Total Work Area 15000 ft²

Operations in Progress Routine Compressor & A.C. Pump Repair Work.

Protective Measures in Force Respirators, Gloves & Air Monitor.

SUMMARY

RADIATION	This Survey	Last Survey
β+γ Index	0.29	0.0
β+γ Area Factor	0.29	0.0
γ Area Factor	0.0	0.0

SPECIFIC LOCATION	7.5 mrep/hr Distance (ft)	Area (ft²) and Class of Radiation β+γ		γ		Reading (mrep/hr) Maximum β+γ	Maximum γ	1 ft. β+γ	1 ft. γ
A.C. Pump Dismant. Area									
Stack of Impellers	3"	3	I			10	0.3	4	–
Impellers on Pumps	1.5	8	I			15	0.8	10	–
Pump Outlet Lines	3"	6	I			10	0.6	3	
One Pump Casing	1.	3	I			35	1.	7.5	
Nine " "	3"	18	I			11	0.3	3	
A.C. Pump Assembly Area									
A.C. Pump Casings	2"	18	I			11	0.2	2	

	Range mrep/hr	Weighting Factor	Total ft² β+γ	γ
Class I	7.5 - 37.5	1	56	0
Class II	37.5 - 300	5	0	0
Class III	300 - 3000	40	0	0
Class IV	>3000	400	0	0
		Grand Total (ft²)	56	0

Maximum Reading β+γ 10.

1'

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
Recorded on Alpha Survey								
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
Recorded on Alpha Survey.						
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS:

Inspector E B Eastridge Op. Supervisor Sm. Del Cam Date 5-12-61

JW

ALPHA CONTAMINATION AUDIT REPORT (3012)

Location K-1401 Cleaning, Test & Valve Shop L. Area Date 5-25-61

Supervisor in Charge G. L. Hickey Total Work Area 800 ft²

Operations in Progress —

Protective Measures in Force —

SUMMARY:

ALPHA CONTAMINATION	This Survey	Last Survey
Index	0.0	0.0
Area Factor (Total)	0.0	0.0
Area Factor (Wipe)	0.0	0.0

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Floor, Tables & Benches					<100	<100

	Range Surface	Range (c/m) Wipe	Weighting Factor	
Class 0	*	–	0	Total ft²
Class I	500-2000	100-500	1	
Class II	2000-10,000	500-2000	5	
Class III	>10,000	>2000	20	
			Grand Total (ft²)	

13 + 7 < P.A.L.

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr) Hands	Shoes Personal	Shoes Issue	Clothing Personal	Clothing Issue	Gloves	Re Re No.
None Present.								

JW

ALPHA CONTAMINATION AUDIT REPORT (3011)

Location K-1401 Machine Shop Lunch Area Date 5-25-61

Supervisor in Charge L. Thometz Total Work Area 580 ft²

Operations in Progress

Protective Measures in Force —

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	0.0	0.0
	Area Factor (Total)	0.0	0.0
	Area Factor (Wipe)	0.0	0.0

SPECIFIC LOCATION	Area (ft²) and Class of Contamination: Surface		Wipe		Maximum Reading (c/m): Surface	Wipe
Floor Area					250	<100
Tables & Benches					<100	<100

	Range (c/m) Surface	Wipe	Weighting Factor	Total ft²			13+7 <P.A.L.
Class 0	*	–	0				
Class I	500-2000	100-500	1		0	0	
Class II	2000-10,000	500-2000	5		0	0	
Class III	>10,000	>2000	20		0	0	
			Grand Total (ft²)		0	0	

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr) Hands	Shoes Personal	Shoes Issue	Clothing Personal	Clothing Issue	Gloves	Rer Ret. No.
None Present								

JW

ALPHA CONTAMINATION AUDIT REPORT

Location K-1401 Axial Flow & AC pump Shop (3002) Date 4-19-61

Supervisor in Charge R E Mount Total Work Area 19,000 ft²

Operations in Progress Compressor Maint.

Protective Measures in Force

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	228	124
	Area Factor (Total)	41	42
	Area Factor (Wipe)	34	30

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
A.C. pump Assembly (North End of Shop)	1960	I	1496	I	2000	450
" " " " "	28	II	—	—	10,000	—
" " " " "	14	III	—	—	>12,500	—
Drive way between Col 9½-10	1200	I	800	I	800	200
A.C. Pump dismantling Area	584	I	1818	I	2000	500
" " " "	3248	II	2020	II	10,000	2000
" " " "	190	III	202	III	12,500	2300
K-31 Compressor Maint. Area	320	I	162	I	2000	350
" " " "	64	II	—	—	4,000	—
K-31 Compressor pit Area	90	I	18	I	1,800	150

	Range (c/m) Surface	Range (c/m) Wipe	Weighting Factor	Total ft²		
Class 0	*	—	0			
Class I	500-2000	100-500	1		4154	4294
Class II	2000-10,000	500-2000	5		3340	2020
Class III	>10,000	>2000	20		204	202
			Grand Total (ft²)		7698	6516

β + γ < PAL

*Class 0 is area which is below the P.A.L. for surface contamination and below the P.A.L. for wipe contamination.

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr) Hands	Shoes Personal	Shoes Issue	Clothing Personal	Clothing Issue	Gloves	Rem Ref. No.
		500	—	700	—	1000	12,000	
		<100	—	300	—	300	800	
SUMMARY: 0 No. > P.A.L.		0	—	0	—	0	X	X
4 No. Checked		2	—	2	—	2		
0 % Total Checks > P.A.L.								

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
NE section AC Dismantling Operation	HP-360	8:40	10	160	0/1	0.01
SE section AC Dismantling pump cleaning	HP-361	8:52	10	180	1/2	2.90
E. end of AC Assembly-casing assembly	HP-362	9:05	10	170	0/3	0.01
center K-31 pump Area Dismantl K-31 comp	HP-363	9:18	10	180	0/2	0.02
West side K-33 Comp Area	HP-364	10:15	10	160	0/1	0.01
SUMMARY: Air Samples — No. Taken	5				Total 1	Total 2.95
No. > P.A.L.	1				% 20	Average 0.59
% > P.A.L.	20					

REMARKS:

AC pump disassembly area need cleaning and painting. and employees in this area should wear respiratory protection more consistently and refrain from eating, drinking and smoking in this area.

Inspector H E Marshall Op. Supervisor R Brown Date 4/28/61

JW

BETA-GAMMA RADIATION AUDIT REPORT

Location K-1401 Axial Flow & AC pump Shop (3002) Date 4-20-61

Supervisor in Charge RE Moliat Total Work Area 19,000 ft^2

Operations in Progress Compressor Maint.

Protective Measures in Force

SUMMARY

RADIATION		This Survey	Last Survey
	$\beta+\gamma$ Index	0.0	0.0
	$\beta+\gamma$ Area Factor	0.0	0.0
	γ Area Factor	0.0	0.0

SPECIFIC LOCATION	7.5 mrep/hr Distance (ft)	Area (ft^2) and Class of Radiation $\beta+\gamma$		γ		Reading (mrep/hr) Maximum $\beta+\gamma$	Maximum γ	1 ft. $\beta+\gamma$	1 ft. γ
—	—	—	—	—	—	—	—	—	—

	Range mrep/hr	Weighting Factor	Total ft^2
Class I	7.5 - 37.5	1	
Class II	37.5 - 300	5	
Class III	300 - 3000	40	
lass IV	> 3000	400	
		Grand Total (ft^2)	

Maximum Reading $\beta+\gamma$ 0.05 MR

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
See Alpha Survey 4-19-61								
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
See Alpha Survey 4-19-61						

SUMMARY:	Air Samples		No. Taken	For Samples > P.A.L.	Total	Total
			No. > P.A.L.		%	Average
			% > P.A.L.			

REMARKS:

Inspector H E Marshall Op. Supervisor Sm. Del Cour Date 5-3-61

JW

K-1401

ALPHA CONTAMINATION AUDIT REPORT (3010)

Location Axial Flow Compressor Shop Lunch Rm + Office Date 3-13-61

Supervisor in Charge R. Mount Total Work Area 620 ft²

Operations in Progress

Protective Measures in Force

SUMMARY:

ALPHA CONTAMINATION		This Survey	Last Survey
	Index	0.0	0.0
	Area Factor (Total)	0.0	0.0
	Area Factor (Wipe)	0.0	0.0

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Floor, table + desk Area	—	—	—	—	350	2100

	Range (c/m) Surface	Range (c/m) Wipe	Weighting Factor				
Class 0	*	—	0	Total ft²	—	—	β+γ
Class I	500-2000	100-500	1				<PAL
Class II	2000-10,000	500-2000	5				
Class III	>10,000	>2000	20				
			Grand Total (ft²)		—	—	

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr) Hands	Shoes Personal	Shoes Issue	Clothing Personal	Clothing Issue	Gloves	Rer Re No.
None checked								
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
None Taken						
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS:

Inspector H E Marshall Op. Supervisor R M Lamb Date 3-13-61

JW

ALPHA CONTAMINATION AUDIT REPORT

Location K-1401 Paint Shop Lunch Area (301L) Date 3-16-61

Supervisor-in Charge J. Abercrombie Total Work Area 150 ft^2

Operations in Progress

Protective Measures in Force

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	0.0	0.0
	Area Factor (Total)	0.0	0.0
	Area Factor (Wipe)	0.0	0.0

SPECIFIC LOCATION	Area (ft^2) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Floor and table Area	—	—	—	—	150	<100

	Range (c/m) Surface	Range (c/m) Wipe	Weighting Factor	
Class 0	*	–	0	Total ft^2
Class I	500-2000	100-500	1	
Class II	2000-10,000	500-2000	5	
ss III	>10,000	>2000	20	
			Grand Total (ft^2)	

β + γ < P.A.L.

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr) Hands	Shoes Personal	Shoes Issue	Clothing Personal	Clothing Issue	Gloves	Re Re No.
None Made								

JW

ALPHA CONTAMINATION AUDIT REPORT

Location K-1401 Riggers Lunch Area (3006) Date 3-29-61

Supervisor in Charge Gragg Total Work Area 550 ft²

Operations in Progress

Protective Measures in Force

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	0.0	0.0
	Area Factor (Total)	0.0	0.0
	Area Factor (Wipe)	0.0	0.0

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Floor and table Area	—	—	—	—	<200	<100

	Range (c/m) Surface	Range (c/m) Wipe	Weighting Factor				
Class 0	*	–	0	Total ft²	—	—	β+γ <PAL
Class I	500-2000	100-500	1		—	—	
Class II	2000-10,000	500-2000	5		—	—	
Class III	>10,000	>2000	20		—	—	
				Grand Total (ft²)	—	—	

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem. Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
None Taken								

JW

ALPHA CONTAMINATION AUDIT REPORT (3014)

Location K-1401 Sheet Metal Shop Lunch Area Date 3-16-61

Supervisor-in-Charge D. Gillespre Total Work Area 200 ft²

Operations in Progress

Protective Measures in Force

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	0.0	0.0
	Area Factor (Total)	0.0	0.0
	Area Factor (Wipe)	0.0	0.0

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Floor and Table Area	—	—	—	—	<100	<100

	Range (c/m) Surface	Range (c/m) Wipe	Weighting Factor			
Class 0	*	—	0	Total ft²		
Class I	500-2000	100-500	1		—	—
Class II	2000-10,000	500-2000	5		—	—
ss III	>10,000	>2000	20		—	—
			Grand Total (ft²)		—	—

β + γ <PAL

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr) Hands	Shoes Personal	Shoes Issue	Clothing Personal	Clothing Issue	Gloves	Rer Ret. No.
None checked								

JW ~~C. J. Cw~~
C Recorder file

ALPHA CONTAMINATION AUDIT REPORT (3007)

Location K-1401 Vacuum Pump Shop Lunch Area Date 3-29-61

Supervisor in Charge Lienart Total Work Area 150 ft²

Operations in Progress

Protective Measures in Force

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	0.0	0.0
	Area Factor (Total)	0.0	0.0
	Area Factor (Wipe)	0.0	0.0

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Floor and Table Area	—	—	—	—	150	<100

	Range (c/m) Surface	Range (c/m) Wipe	Weighting Factor					
Class 0	*	–	0	Total ft²				
Class I	500-2000	100-500	1		—	—		
Class II	2000-10,000	500-2000	5		—	—		
Class III	>10,000	>2000	20		—	—		
			Grand Total (ft²)		—	—		

~~β + γ~~ < PAL

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem. Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
None Checked								
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity C/M/ft^3
None Taken						
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS:

Alpha survey meter checked OK

Inspector H E Marshall Op. Supervisor R. B. [illegible] Date 3-29-61

JW

K-1401

ALPHA CONTAMINATION AUDIT REPORT

Location: Valve Shop Lunch Area + Office (3009) Date: 3-13-61

Supervisor in Charge: J. Rogers Total Work Area: 300 ft^2

Operations in Progress:

Protective Measures in Force:

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	0.0	0.0
	Area Factor (Total)	0.0	0.0
	Area Factor (Wipe)	0.0	0.0

SPECIFIC LOCATION	Area (ft^2) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Floor, Table and desk Area	—	—	—	—	200	<100

	Range (c/m) Surface	Range (c/m) Wipe	Weighting Factor	
Class 0	*	—	0	Total ft^2
Class I	500-2000	100-500	1	
Class II	2000-10,000	500-2000	5	
Class III	>10,000	>2000	20	
			Grand Total (ft^2)	

β + γ < PAL

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr) Hands	Shoes Personal	Shoes Issue	Clothing Personal	Clothing Issue	Gloves	Rer Rel No.
None checked								
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity C/M/ft^3
None Taken						
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS:

Inspector H E Marshall Op. Supervisor J G Rogers Date 3-13-61

JW

ALPHA CONTAMINATION AUDIT REPORT

Location K-1401 Weld Shop Lunch Area (3015) Date 3-16-61

Supervisor in Charge Berryhill Total Work Area 200 ft²

Operations in Progress

Protective Measures in Force

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	0.0	0.0
	Area Factor (Total)	0.0	0.0
	Area Factor (Wipe)	0.0	0.0

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Floor and Table Area	—	—	—	—	150	2100

Class	Range Surface (c/m)	Range Wipe (c/m)	Weighting Factor	Total ft²		
Class 0	*	—	0			β + γ < P.A.L.
Class I	500-2000	100-500	1		—	—
Class II	2000-10,000	500-2000	5		—	—
Class III	>10,000	>2000	20		—	—
			Grand Total (ft²)		—	—

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr) Hands	Shoes Personal	Shoes Issue	Clothing Personal	Clothing Issue	Gloves	Re Re No.
None Checked								

ALPHA CONTAMINATION AUDIT REPORT

Location K-1401 Valve Shop (3003) Date 2-7-61

Supervisor in Charge J. Rogers Total Work Area 6000 ft²

Operations in Progress Valve Repair

Protective Measures in Force

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	16	19
	Area Factor (Total)	10	5.8
	Area Factor (Wipe)	0	0.23

SPECIFIC LOCATION	Area (ft²) and Class of Contamination: Surface		Wipe		Maximum Reading (c/m): Surface	Wipe
Floor Area and Work Surfaces in E. Bay Between Col. 14-16½	552	I	—	—	2000	—
" " " " " " "	72	II	—	—	7500	—

Range (c/m) Surface	Wipe	Weighting Factor		Total ft²		
Class 0	*	—	0			
Class I	500-2000	100-500	1	552	—	
Class II	2000-10,000	500-2000	5	72	—	
Class III	> 10,000	> 2000	20			
			Grand Total (ft²)	624	—	

f + g

< PAL

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr) Hands	Shoes Personal	Shoes Issue	Clothing Personal	Clothing Issue	Gloves	Rer Re. No.
		<100		<100		<100		
		<100		<100		500	500	
		<100		<100		150	1500	

① ~~[illegible]~~
② Records File JCU

ALPHA CONTAMINATION AUDIT REPORT

Location K-1401 Axial Flow & AC Pump Shop (3002) Date 1-24-61
Supervisor in Charge C E Mount Total Work Area 19,000 ft²
Operations in Progress Compressor Maint

Protective Measures in Force

SUMMARY:

ALPHA CONTAMINATION	This Survey	Last Survey
Index	124	24
Area Factor (Total)	42	14.4
Area Factor (Wipe)	30	8.6

SPECIFIC LOCATION	Area (ft²) and Class of Contamination: Surface		Wipe		Maximum Reading (c/m): Surface	Wipe
AC pump Revision Area North end of shop	2132	I	2145	I	2000	500
" " " " " " "	130	II	65	II	4000	1300
Driveway between Col. 9½ + 10	1200	I	—	—	800	—
AC Pump dismantling area	357	I	—	—	750	—
K-31 Compressor Repair Area	1160	I	984	I	2000	500
" " " "	400	II	615	II	3600	1000
K-31 Compressor assembly pit	546	I	600	I	2000	500
" " " "	68	II	100	II	10,000	2000
" " " "	21	III	100	III	12,500	4000
K-33 Compressor Repair Area	1081	I	690	I	2000	500
" " " "	230	II	115	II	4800	1000
K-33 Compressor assembly pit	480	I	312	I	2000	450
" " " "	75	II	—	—	5200	—

	Range (c/m) Surface	Wipe	Weighting Factor	Total ft²	Surface	Wipe
Class 0	*	—	0			
Class I	500-2000	100-500	1		6956	4731
Class II	2000-10,000	500-2000	5		1003	895
Class III	> 10,000	> 2000	20		21	100
			Grand Total (ft²)		7980	5726

P + S
< PAL

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr) Hands	Shoes Personal	Shoes Issue	Clothing Personal	Clothing Issue	Gloves	Ref. No.
		300		150		400	1750	
		150		850		1100	3500	
		800		350		950	1250	
SUMMARY:	0 No. > P.A.L.	0		0		0		
	9 No. Checked	3		3		3		
	0 % Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
North central part of AC pump dissembling area	HP 92	1:50	10	130	0/1	3.1
North end of ship area	HP 93	2:05	10	120	0/0	0.06
K-31 Compressor area	HP 94	2:18	10	110	0/0	0.02

SUMMARY:						
Air Samples	3	No. Taken	For Samples > P.A.L.	Total 0/1	Total 3.18
	1	No. > P.A.L.			
	30	% > P.A.L.		% 0	Average 1.06

REMARKS: AC pump dis mantling area had just been repainted B-bay K-31 compressor assembly area and pit and B-bay K-33 compressor assembly area and pit were painted 1st + 2nd of Feb.

Inspector H E Muskall Op. Supervisor R Mounts Date 2-7-61

SPECIAL SURVEY [See Job Audit for this area dated 12-27-60]

ALPHA CONTAMINATION AUDIT REPORT

Location: AREA IN THE COMPRESSOR & ADP (K1401) USED FOR DISMA — Date: 1/6/61

Supervisor in Charge: NEILL & G. PUMPS. — Total Work Area: 1600 ft²

Operations in Progress: [illegible]

Protective Measures in Force:

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	1288	920
	Area Factor (Total)	100	
	Area Factor (Wipe)	100	

SPECIFIC LOCATION	Area (ft²) and Class of Contamination: Surface		Wipe		Maximum Reading (c/m): Surface	Wipe
F2000	295	I	745	I	1800	450
	900	II	675	II	9000	1800
	405	III	180	III	>14,500	>2,000

Range (c/m)	Surface	Wipe	Weighting Factor	Total ft²	Surface	Wipe
Class 0	*	–	0			
Class I	500-2000	100-500	1		295	745
Class II	2000-10,000	500-2000	5		900	675
Class III	>10,000	>2000	20		405	180
			Grand Total (ft²)		1600	1600

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

WCX-1320 (10-59) K-25 RC SAFETY AND HEALTH PHYSICS

20,615

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr) Hands	Shoes Personal	Shoes Issue	Clothing Personal	Clothing Issue	Gloves	Rer Re No.

JW

BETA-GAMMA RADIATION AUDIT REPORT

Location K-1401 Axial Flow and AC Pump Shop (3002) Date 1-24-61

Supervisor in Charge R. Mount Total Work Area 19,000 ft^2

Operations in Progress Compressor Maint

Protective Measures in Force

SUMMARY

RADIATION		This Survey	Last Survey
	$\beta+\gamma$ Index	0.0	0.0
	$\beta+\gamma$ Area Factor	0.0	0.0
	γ Area Factor	0.0	0.0

SPECIFIC LOCATION	7.5 mrep/hr Distance (ft)	Area (ft^2) and Class of Radiation $\beta+\gamma$		γ		Reading (mrep/hr) Maximum $\beta+\gamma$	Maximum γ	1 ft. $\beta+\gamma$	1 ft. γ

	Range mrep/hr	Weighting Factor	Total ft^2		
Class I	7.5 - 37.5	1			
Class II	37.5 - 300	5			
Class III	300 - 3000	40			
Class IV	> 3000	400			
		Grand Total (ft^2)			

Maximum Reading $\beta+\gamma$ .04 MR

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
see Alpha survey								
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
see Alpha Survey						
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS:

Inspector H E Marshall Op. Supervisor R Mounly Date 2/7/61

#19 monitor
1-2-61
K 1401 - Joe Grindin
Lack of Roll overloaded
filter paper not advancing
Rechecked out
instrument

Stamped
Inoperative

0 0 0 0 5	[illegible]
0 0 0 0 5	DEC 20 1 31 PM '61
0 0 0 0 4	DEC 20 5 01 AM '61
0 0 0 0 4	DEC 19 9 01 PM '61
0 0 0 0 5	DEC 19 1 01 PM '61
0 0 0 0 3	DEC 19 5 01 AM '61
0 0 0 0 4	DEC 18 9 01 PM '61
0 0 0 0 5	DEC 18 1 01 PM '61
0 0 0 0 5	DEC 18 5 01 AM '61
0 0 0 0 4	DEC 17 9 01 PM '61
0 0 0 0 3	DEC 17 1 01 PM '61
0 0 0 0 4	DEC 17 5 01 AM '61
0 0 0 0 7	DEC 16 8 31 PM '61
0 0 0 0 5	DEC 16 12 31 PM '61
0 0 0 0 5	DEC 16 4 01 AM '61
0 0 0 0 5	DEC 15 8 01 PM '61
0 0 0 0 5	DEC 15 12 01 PM '61
0 0 0 0 1	DEC 15 11 31 AM '61
0 0 0 0 0	DEC 15 11 01 AM '61
0 0 0 0 1	DEC 15 10 31 AM '61
0 0 0 0 1	DEC 15 10 01 AM '61
0 0 0 0 1	DEC 15 9 31 AM '61
0 0 0 0 1	DEC 15 9 01 AM '61
0 0 0 0 2	DEC 15 8 31 AM '61

Time of [illegible]

12-15-61

0 0 0 0 9	Dec 15 8 01 AM '61
0 0 0 0 9	Dec 15 8 01 AM '61
0 0 1 1 9	Dec 15 [illegible] AM '61
0 0 0 1 9	Dec 8 8 10 AM '61
0 0 0 0 9	Dec 7 8 00 AM '61
0 0 0 0 9	Dec 7 12 00 AM '61
0 0 0 0 9	Dec 6 4 00 PM '61
0 0 0 1 4	Dec 6 8 00 AM '61
0 0 0 0 9	Dec 6 12 00 AM '61
0 0 0 0 9	Dec 5 4 00 PM '61
0 0 0 0 9	Dec 5 8 00 AM '61
0 0 0 0 9	Dec 5 12 00 AM '61
0 0 0 1 9	Dec 4 4 00 PM '61

mbr 12/4/61 2:50pm

0 0 0 3 9	Dec 4 8 00 AM '61
0 0 0 2 4	Dec 4 12 00 AM '61
0 0 0 1 9	Dec 3 4 00 PM '61
0 0 0 2 7	Dec 3 8 00 AM '61
0 0 0 1 7	Dec 3 12 00 AM '61
0 0 0 1 9	Dec 2 4 00 PM '61
0 0 0 2 4	Dec 2 8 00 AM '61
0 0 0 1 9	Dec 2 12 00 AM '61
0 0 0 1 7	Dec 1 4 00 PM '61
0 0 0 3 3	Dec 1 8 00 AM '61

Total Pb = 3.73 No. of Samples 34
Average Pb = 0.11 No > PAL 0
% P.A.L. 0

K-1401 - C61 - B-18
Tool Grinding
Dec 61

near
Column
B-18

0.39 c/m/ft³
maximum
1 hr sample

#19 monitor
12-1-61
1401 Zone Grinding CoB-18
OK.

0 0 0 2 1	Nov 30 12 00 AM '61
~~0 0 0 0 2~~	~~Nov 30 [illegible] 00 PM '61~~

1401 Tool Grinding, 11-30-61

~~0 0 0 0 3~~	~~Nov 29 10 11 AM '61~~

VOID

~~0 0 0 3 1~~	~~Nov 29 10 01 AM '61~~

~~0 0 0 0 7~~	~~Nov 24 10 54 AM '61~~

0 0 0 0 1	Nov 24 8 01 AM '61
0 0 0 0 1	Nov 24 12 01 AM '61
0 0 0 0 1	Nov 23 4 01 PM '61
0 0 0 0 1	Nov 23 8 01 AM '61
0 0 0 0 1	Nov 23 12 01 AM '61
0 0 0 0 1	Nov 22 4 01 PM '61
0 0 0 0 3	Nov 22 8 01 AM '61

Microfilm
out-
expressed Raw
11-22-61
10:15

Nov 22 12 or AM '61	0 0 0 1 1
Nov 21 4 or PM '61	0 0 0 0 5
Nov 21 8 or AM '61	0 0 0 0 7
Nov 21 12 or AM '61	0 0 0 0 5
Nov 20 4 or PM '61	0 0 0 0 5
Nov 20 8 or AM '61	0 0 0 0 7
Nov 20 12 or AM '61	0 0 0 0 5
Nov 19 4 or PM '61	0 0 0 0 8
Nov 19 8 or AM '61	0 0 0 0 5
Nov 19 12 or AM '61	0 0 0 0 7
Nov 18 4 or PM '61	0 0 0 0 5
Nov 18 8 or AM '61	0 0 0 1 5
Nov 18 12 or AM '61	0 0 0 0 5
Nov 17 4 or PM '61	0 0 0 0 5
Nov 17 8 or AM '61	0 0 0 0 3

Nov 17 12 or AM '61	0 0 0 0 5
Nov 16 4 or PM '61	0 0 0 0 3
Nov 16 8 or AM '61	0 0 0 0 5
Nov 16 12 or AM '61	0 0 0 0 5
Nov 15 4 or PM '61	0 0 0 0 2
Nov 15 8 or AM '61	0 0 0 0 3
Nov 15 12 or AM '61	0 0 0 0 3
Nov 14 4 or PM '61	0 0 0 0 5
Nov 14 8 or AM '61	0 0 0 0 7
Nov 14 12 or AM '61	0 0 0 1 3
Nov 13 4 or PM '61	0 0 0 1 2
Nov 13 8 or AM '61	0 0 0 2 5
Nov 13 12 or AM '61	0 0 0 1 5
Nov 12 4 or PM '61	0 0 0 1 0
Nov 12 8 or AM '61	0 0 0 2 0
Nov 12 12 or AM '61	0 0 0 1 4
Nov 11 4 or PM '61	0 0 0 1 2
Nov 11 8 or AM '61	0 0 0 2 7
	0 0 0 1 4

00027	Nov 11 8 01 AM '61
00014	Nov 11 12 01 AM '61
00019	Nov 10 4 01 PM '61
00023	Nov 10 8 01 AM '61
00012	Nov 10 12 01 AM '61
00009	Nov 9 4 01 PM '61
00019	Nov 9 8 01 AM '61
00007	Nov 9 12 01 AM '61
00007	Nov 8 4 01 PM '61
00009	Nov 8 8 01 AM '61
00007	Nov 8 12 01 AM '61
00015	Nov 7 4 01 PM '61
~~00009~~	Nov 7 9 01 AM '61

11-7-61
7:00 PM
Filed
Case Changing Files

~~00004~~	~~Nov 6 8 03 AM '61~~
~~00012~~	~~Nov 6 7 28 AM '61~~
~~00001~~	~~Nov 6 7 21 AM '61~~

~~0 0 0 1 3~~	~~Nov 6 7 20 AM '61~~
~~0 0 0 0 1~~	~~Nov 6 7 16 AM '61~~
~~0 0 0 2 0~~	~~Nov 6 7 15 AM '61~~
~~0 0 0 2 1~~	~~Nov 6 7 02 AM '61~~
0 0 0 0 1	Nov 6 12 01 AM '61
0 0 0 0 2	Nov 5 4 01 PM '61
0 0 0 0 1	Nov 5 8 01 AM '61
0 0 0 0 1	Nov 5 12 01 AM '61
0 0 0 0 1	Nov 4 4 01 PM '61
0 0 0 0 2	Nov 4 8 01 AM '61
0 0 0 0 1	Nov 4 12 01 AM '61
0 0 0 0 1	Nov 3 4 01 PM '61
0 0 0 0 1	Nov 3 8 01 AM '61
0 0 0 0 1	Nov 3 12 01 AM '61
0 0 0 0 1	Nov 2 4 01 PM '61
0 0 0 0 2	Nov 2 8 01 AM '61
0 0 0 0 2	Nov 2 12 01 AM '61
0 0 0 0 2	Nov 1 4 01 PM '61
0 0 0 0 4	Nov 1 8 01 AM '61

Total
Page Beginning
11-1-61

Summary Page 1 of 1
11-1-61

67 Samples
0 > PAL

TOT. ACT. = 4.9 NO. SAMPLES = 67
AV. ACT. = 0.07 NO. > PAL = 0
K-1401 TOOL Grinding % > PAL = 0
NOV. '61

#19 monitors
1401 Tool Grinding
11-1-61

0 0 0 0 5	Oct 32 12 01 AM '61
0 0 0 0 9	Oct 31 4 01 PM '61
0 0 0 2 0	Oct 31 8 01 AM '61

10-31-61

0 0 0 1 5	Oct 31 12 01 AM '61
0 0 0 1 1	Oct 30 4 01 PM '61
0 0 0 3 1	Oct 30 8 01 AM '61
0 0 0 1 8	Oct 30 12 01 AM '61
0 0 0 1 7	Oct 29 4 01 PM '61
0 0 0 4 0	Oct 29 8 01 AM '61
0 0 0 2 0	Oct 29 12 01 AM '61
0 0 0 1 4	Oct 28 4 01 PM '61
0 0 0 4 1	Oct 28 8 01 AM '61
0 0 0 1 7	Oct 28 12 01 AM '61
0 0 0 1 0	Oct 27 4 01 PM '61
0 0 0 2 9	Oct 27 8 01 AM '61
0 0 0 1 2	Oct 27 12 01 AM '61
0 0 0 0 5	Oct 26 4 01 PM '61
0 0 0 3 1	Oct 26 8 01 AM '61

10-26-61

10-26-61

0 0 0 0 8	Oct 26 12 01 AM '61
0 0 0 0 9	Oct 25 4 01 PM '61
0 0 0 3 3	Oct 25 8 01 AM '61
0 0 0 1 7	Oct 25 12 01 AM '61
0 0 0 0 8	Oct 24 4 01 PM '61
0 0 0 0 2	Oct 24 8 01 AM '61
0 0 0 0 3	Oct 24 12 01 AM '61
0 0 0 0 5	Oct 23 4 01 PM '61
0 0 0 2 3	Oct 23 8 01 AM '61

9:30 AM 10/23/61

0 0 0 0 7	Oct 23 12 01 AM '61
0 0 0 0 4	Oct 22 4 01 PM '61
0 0 0 1 4	Oct 22 8 01 AM '61
0 0 0 0 4	Oct 22 12 01 AM '61
0 0 0 0 5	Oct 21 4 01 PM '61
0 0 0 0 5	Oct 21 8 01 AM '61
0 0 0 0 5	Oct 21 12 01 AM '61
0 0 0 0 2	Oct 20 4 01 PM '61
0 0 0 0 5	Oct 20 8 01 AM '61
0 0 0 0 4	Oct 20 12 01 AM '61
0 0 0 0 4	Oct 19 4 01 PM '61
~~0 0 0 0 4~~	~~Oct 19 8 01 AM '61~~
0 0 0 0 3	Oct 19 7 04 AM '61
0 0 0 1 3	Oct 19 4 46 AM '61
0 0 0 0 3	Oct 18 8 46 PM '61
0 0 0 5 5	Oct 18 12 46 PM '61

10-18-61

0 0 0 0 2	Oct 15 5 00 PM '61
0 0 0 0 7	Oct 15 8 00 AM '61
0 0 0 0 3	Oct 15 12 00 AM '61
0 0 0 0 3	Oct 14 4 00 PM '61
0 0 0 0 9	Oct 14 8 00 AM '61
0 0 0 1 8	Oct 14 12 00 AM '61
0 0 0 0 7	Oct 13 4 00 PM '61
0 0 0 2 1	Oct 13 8 00 AM '61
0 0 0 0 5	Oct 13 12 00 AM '61
0 0 0 0 9	Oct 12 4 00 PM '61
0 0 0 0 9	Oct 12 8 00 AM '61

Checked 10-12-61 OK Photographs and Tickets

0 0 0 2 3	Oct 12 8 00 AM '61
0 0 0 0 5	Oct 12 12 00 AM '61
0 0 0 1 2	Oct 11 4 00 PM '61
0 0 0 2 0	Oct 11 8 00 AM '61

Checked 10-11-61 OK 12:20

0 0 0 0 5	Oct 11 12 00 AM '61

Checked 10-17-61 OK [illegible]

0 0 0 2 3	Oct 12 8 00 AM '61
0 0 0 0 5	Oct 12 12 00 AM '61
0 0 0 1 2	Oct 11 4 00 PM '61
0 0 0 0 0	Oct 11 8 00 AM '61

Checked 10-11-61 OK 17.20

0 0 0 0 5	Oct 11 12 00 AM '61
0 0 0 0 8	Oct 10 4 00 PM '61
0 0 0 0 5	Oct 10 8 00 AM '61
0 0 0 0 5	Oct 10 12 00 AM '61
0 0 0 0 4	Oct 9 4 00 PM '61
0 0 0 0 7	Oct 9 8 00 AM '61
0 0 0 0 4	Oct 9 12 00 AM '61
0 0 0 0 4	Oct 8 4 00 PM '61
0 0 0 0 5	Oct 8 8 00 AM '61
0 0 0 0 3	Oct 8 12 00 AM '61
0 0 0 0 5	Oct 7 4 00 PM '61
0 0 0 0 9	Oct 7 8 00 AM '61
0 0 0 0 3	Oct 7 12 00 AM '61
0 0 0 0 3	Oct 6 4 00 PM '61
0 0 0 0 9	Oct 6 8 00 AM '61
0 0 0 0 8	Oct 6 12 00 AM '61
0 0 0 0 3	Oct 5 4 00 PM '61
0 0 0 0 3	Oct 5 8 00 AM '61
0 0 0 0 3	Oct 5 12 00 AM '61
0 0 0 0 2	Oct 4 4 00 PM '61
0 0 0 0 2	Oct 4 8 00 AM '61
0 0 0 0 2	Oct 4 12 00 AM '61
0 0 0 0 2	Oct 3 4 00 PM '61
0 0 0 0 4	Oct 3 8 00 AM '61

-138 [illegible]

0 0 0 0 2	Oct 4 8 00 AM '61
0 0 0 0 2	Oct 4 12 00 AM '61
0 0 0 0 2	Oct 3 4 00 PM '61
0 0 0 0 3	Oct 3 8 00 AM '61
0 0 0 0 5	Oct 3 12 00 AM '61
0 0 0 1 1	Oct 2 4 00 PM '61

all valid nbr

~~0 0 0 2 4~~ ~~Oct 2 6 01 AM '61~~

89 samples
0 70M

K-1401 Tool
Grinding Area.
10-2-61

Tot. Act. = 8.7 No. samples = 83
Av. Act. = 0.10 No. > PAL = 0
% > PAL = 0

K-1401 Tool
Grinding Area
Oct. '61

0 0 0 0 9	SEP 8 12 00 AM '6
0 0 0 2 9	SEP 7 4 00 PM '6
	SEP 7 8 00 AM '6
0 0 0 1 4	SEP 7 12 00 AM '6
~~0 0 0 0 1~~	~~SEP 6 4 00 PM '6~~
~~0 0 4 0 9~~	~~SEP 6 8 00 AM '6~~

Started
9-6-61.
Tool Grinding
Area 1401

0 0 0 0 1	AUG 36 11 59 PM '6
0 0 0 0 2	AUG 36 3 59 PM '6
0 0 0 0 1	AUG 36 8 00 AM '6
0 0 0 0 1	AUG 36 12 00 AM '6
0 0 0 0 1	AUG 35 4 00 PM '6
0 0 0 0 2	AUG 35 8 00 AM '61
0 0 0 0 1	AUG 35 12 00 AM '61
0 0 0 0 1	AUG 34 4 00 PM '61
0 0 0 0 1	AUG 34 8 00 AM '61
0 0 0 0 2	AUG 34 12 00 AM '61
0 0 0 0 1	AUG 33 4 00 PM '61
0 0 0 0 2	AUG 33 8 00 AM '61
0 0 0 0 1	AUG 33 12 00 AM '61
0 0 0 0 1	AUG 32 4 00 PM '61
0 0 0 0 0	AUG 32 8 00 AM '61
0 0 0 0 0	AUG 32 7 37 AM '61

BHT 12/5/61

Total Act. 11.10 No of Samples 61
Av. Act – 0.18 No > PAL 0
% > PAL 0

K1401 Tool Grinding
Sept 1961

K-1401 Tore Grinding
9-14-61
Taken out - 10:00

0 0 0 0 9	SEP 14 4 31 AM '6
0 0 0 0 9	SEP 14 12 00 AM '6
0 0 0 0 5	SEP 13 4 00 PM '6
0 0 0 2 2	SEP 13 8 00 AM '6
0 0 0 0 5	SEP 13 12 00 AM '6
0 0 0 0 6	SEP 12 4 00 PM '6
0 0 0 0 6	SEP 12 8 00 AM '6
0 0 0 1 3	SEP 12 12 00 AM '6
0 0 0 0 5	SEP 11 4 00 PM '6
0 0 0 2 5	SEP 11 8 00 AM '6
0 0 0 1 9	SEP 11 12 00 AM '6
0 0 0 1 0	SEP 10 4 00 PM '6
0 0 0 2 9	SEP 10 8 00 AM '6
0 0 0 1 7	SEP 10 12 00 AM '6
0 0 0 0 9	SEP 9 4 00 PM '6
0 0 0 2 4	SEP 9 8 00 AM '6
0 0 0 1 4	SEP 9 12 00 AM '6
0 0 0 0 3	SEP 8 4 00 PM '6
0 0 0 2 7	SEP 8 8 00 AM '6
0 0 0 0 4	SEP 8 12 00 AM '6
0 0 0 0 3	SEP 7 4 00 PM '6
0 0 0 2 3	SEP 7 8 00 AM '6
0 0 0 1 4	SEP 7 12 00 AM '6
0 0 0 0 3	[illegible] 4 00 PM [illegible]

0 0 0 3 7	Sep 28 8 00 AM '61
0 0 0 1 5	Sep 28 12 00 AM '61
0 0 0 1 1	Sep 27 4 00 PM '61
0 0 0 3 5	Sep 27 8 00 AM '61
0 0 0 1 7	Sep 27 12 00 AM '61
0 0 0 0 7	Sep 26 4 00 PM '61
0 0 0 0 7	Sep 26 8 00 AM '61
0 0 0 0 5	Sep 26 12 00 AM '61
0 0 0 1 3	Sep 25 4 00 PM '61
0 0 0 0 7	Sep 25 7 59 AM '61
0 0 0 3 3	Sep 25 6 31 AM '61
0 0 0 1 4	Sep 24 10 31 PM '61
0 0 0 7 0	Sep 24 2 31 PM '61
0 0 0 1 0	Sep 23 4 01 PM '61
0 0 0 3 5	Sep 23 8 01 AM '61
0 0 0 1 5	Sep 23 12 01 AM '61
0 0 0 1 1	Sep 22 4 01 PM '61
0 0 0 4 4	Sep 22 8 01 AM '61
0 0 0 1 7	Sep 22 12 01 AM '61
0 0 0 1 0	Sep 21 4 01 PM '61
0 0 0 3 5	Sep 21 8 01 AM '61
0 0 0 1 4	Sep 21 12 01 AM '61
0 0 0 0 4	Sep 20 4 01 PM '61
0 0 0 2 0	Sep 20 8 01 AM '61
0 0 0 1 3	Sep 20 12 01 AM '61
0 0 0 1 0	Sep 19 4 01 PM '61
0 0 0 2 5	Sep 19 8 01 AM '61
0 0 0 1 3	Sep 19 12 01 AM '61
0 0 0 0 4	~~Sep 18 4 01 PM '61~~
0 0 0 0 4	~~Sep 18 12 01 AM '61~~

Sample 9-15-61
GA 8-174
14/01
3:00 pm

-142-

K-140 Tool Grinding area
#19

0 0 0 0 8	SEP 32 12 00 AM '61
0 0 0 1 0	SEP 31 4 00 PM '61
0 0 0 3 9	SEP 31 8 00 AM '61
0 0 0 1 2	SEP 31 12 00 AM '61
0 0 0 0 9	SEP 30 4 00 PM '61
0 0 0 4 5	SEP 30 8 00 AM '61
0 0 0 2 0	SEP 30 12 00 AM '61
0 0 0 1 0	SEP 29 4 00 PM '61
0 0 0 4 3	SEP 29 8 00 AM '61

0 0 0 2 0	SEP 29 12 00 AM '61
0 0 0 1 1	SEP 28 4 00 PM '61
0 0 0 3 7	SEP 28 8 00 AM '61
0 0 0 1 5	SEP 28 12 00 AM '61
0 0 0 1 1	SEP 27 4 00 PM '61

#19 monitor
K-2401 Tool Grinding
Thru
Straightening Shop
8-31-61

0	0	0	0	0	Aug 32	12 00 AM	'61
0	0	0	0	0	Aug 31	4 00 PM	'61
0	0	0	0	0	Aug 31	8 00 AM	'61
0	0	0	0	0	Aug 31	12 00 AM	'61
0	0	0	0	0	Aug 30	4 00 PM	'61
0	0	0	0	1	Aug 30	8 00 AM	'61
0	0	0	0	1	Aug 30	12 00 AM	'61
0	0	0	0	2	Aug 29	4 00 PM	'61
0	0	0	0	1	Aug 29	8 00 AM	'61
0	0	0	0	1	Aug 29	12 00 AM	'61
0	0	0	0	1	Aug 28	4 00 PM	'61
0	0	0	1	1	Aug 28	8 00 AM	'61
0	0	0	0	3	Aug 28	12 00 AM	'61
0	0	0	0	4	Aug 27	4 00 PM	'61
0	0	0	1	1	Aug 27	8 00 AM	'61
0	0	0	0	3	Aug 27	12 00 AM	'61
0	0	0	0	3	Aug 26	4 00 PM	'61
0	0	0	1	0	Aug 26	8 00 AM	'61
0	0	0	0	5	Aug 26	12 00 AM	'61
0	0	0	0	4	Aug 25	4 00 PM	'61
0	0	0	0	5	Aug 25	8 00 AM	'61
0	0	0	0	5	Aug 25	12 00 AM	'61
0	0	0	0	3	Aug 24	4 00 PM	'61
0	0	0	0	5	Aug 24	8 00 AM	'61
0	0	0	0	4	Aug 24	12 00 AM	'61
0	0	0	0	3	Aug 23	4 00 PM	'61
0	0	0	1	3	Aug 23	8 00 AM	'61
0	0	0	0	5	Aug 23	12 00 AM	'61
0	0	0	0	3	Aug 22	4 00 PM	'61

0 0 0 0 4	Aug 25 4 00 PM '61
0 0 0 0 5	Aug 25 8 00 AM '61
0 0 0 0 5	Aug 25 12 00 AM '61
0 0 0 0 3	Aug 24 4 00 PM '61
0 0 0 0 5	Aug 24 8 00 AM '61
0 0 0 0 4	Aug 24 12 00 AM '61
0 0 0 0 3	Aug 23 4 00 PM '61
0 0 0 1 3	Aug 23 8 00 AM '61
0 0 0 0 3	Aug 23 12 00 AM '61
0 0 0 0 3	Aug 22 4 00 PM '61
0 0 0 1 4	Aug 22 8 00 AM '61
0 0 0 0 7	Aug 22 12 00 AM '61
0 0 0 0 5	Aug 21 4 00 PM '61
0 0 0 0 7	Aug 21 8 00 AM '61
0 0 0 0 5	Aug 21 12 00 AM '61
0 0 0 0 7	Aug 20 4 00 PM '61
0 0 0 2 5	Aug 20 8 00 AM '61
0 0 0 1 2	Aug 20 12 00 AM '61
0 0 0 0 5	Aug 19 4 00 PM '61
0 0 0 1 2	Aug 19 8 00 AM '61
0 0 0 0 3	Aug 19 12 00 AM '61
0 0 0 0 7	[illegible] 4 [illegible] '61
0 0 0 2 3	Aug 18 8 00 AM '61
0 0 0 0 3	Aug 18 12 00 AM '61
0 0 0 0 4	Aug 17 4 00 PM '61
0 0 0 0 2	Aug 17 8 00 AM '61
0 0 0 0 2	Aug 17 12 00 AM '61
0 0 0 0 2	Aug 16 4 00 PM '61
0 0 0 0 5	Aug 16 8 00 AM '61
0 0 0 0 3	Aug 16 12 00 AM '61
0 0 0 0 3	Aug 15 4 00 PM '61
0 0 0 2 1	Aug 15 8 00 AM '61
0 0 0 1 0	Aug 15 12 00 AM '61
0 0 0 0 3	Aug 14 4 00 PM '61

0	0	0	0	1	Aug	14	8	00 AM '61
0	0	0	0	2	Aug	14	12	00 AM '61
0	0	0	0	1	Aug	13	4	00 PM '61
0	0	0	0	1	Aug	13	8	00 AM '61
0	0	0	0	2	Aug	13	12	00 AM '61
0	0	0	0	1	Aug	12	4	00 PM '61
0	0	0	0	2	Aug	12	8	00 AM '61
0	0	0	0	1	Aug	12	12	00 AM '61
0	0	0	0	2	Aug	11	4	00 PM '61
0	0	0	0	3	Aug	11	8	00 AM '61
0	0	0	0	2	Aug	11	12	00 AM '61
0	0	0	0	4	Aug	10	4	00 PM '61
0	0	0	0	9	Aug	10	8	00 AM '61
0	0	0	0	4	Aug	10	12	00 AM '61
0	0	0	0	3	Aug	9	4	00 PM '61
0	0	0	0	5	Aug	9	8	00 AM '61
0	0	0	0	3	Aug	9	12	00 AM '61
0	0	0	0	4	Aug	8	4	00 PM '61
0	0	0	0	9	Aug	8	8	00 AM '61
0	0	0	0	5	Aug	8	12	01 AM '61
0	0	0	0	7	Aug	7	4	01 PM '61
0	0	0	1	5	Aug	7	8	01 AM '61
0	0	0	0	7	Aug	7	12	01 AM '61
0	0	0	0	5	Aug	6	4	01 PM '61
0	0	0	2	2	Aug	6	8	01 AM '61
0	0	0	1	0	Aug	6	12	01 AM '61
0	0	0	0	7	Aug	5	4	01 PM '61
0	0	0	2	1	Aug	5	8	01 AM '61
0	0	0	1	0	Aug	5	12	01 AM '61
0	0	0	0	4	Aug	4	4	01 PM '61
0	0	0	1	4	Aug	4	8	01 AM '61
0	0	0	0	7	Aug	4	12	01 AM '61

0 0 0 1 0	Aug 7 8 01 AM '61
0 0 0 0 7	Aug 7 12 01 AM '61
0 0 0 0 5	Aug 6 4 01 PM '61
0 0 0 2 2	Aug 6 8 01 AM '61
0 0 0 1 0	Aug 6 12 01 AM '61
0 0 0 0 7	Aug 5 4 01 PM '61
0 0 0 2 1	Aug 5 8 01 AM '61
0 0 0 1 0	Aug 5 12 01 AM '61
0 0 0 0 4	Aug 4 4 01 PM '61
0 0 0 1 4	Aug 4 8 01 AM '61
0 0 0 0 7	Aug 4 12 01 AM '61
0 0 0 0 5	Aug 3 4 01 PM '61
0 0 0 1 0	Aug 3 8 01 AM '61
0 0 0 0 7	Aug 3 12 01 AM '61
0 0 0 0 5	Aug 2 4 01 PM '61
~~0 0 0 0 0~~	~~Aug 2 8 01 AM '61~~
~~0 0 0 0 0~~	~~Aug 2 8 00 AM '61~~

Cor R-174
File
Sent 1:00 PM
8-3-61
#19

Consider valid all except Rec'd LINED

TOT. ACT. = 5.4 NO. SAMPLES = 84
AV. ACT. = 0.07 NO. > PAL = 0
% > PAL = 0

K-1401 TOOL Grinding Area
AUG 1961

#6

Recently Jan 2 1964 OK 1401- Comp Shop

0	0	0	0	5	Dec 31	12 00 AM '61
0	0	0	0	4	Dec 31	4 00 PM '61
0	0	0	0	3	Dec 31	8 00 AM '61
0	0	0	0	2	Dec 31	12 00 AM '61
0	0	0	0	1	Dec 30	4 00 PM '61
0	0	0	0	0	Dec 30	8 00 AM '61
0	0	0	0	9	Dec 30	12 00 AM '61
0	0	0	0	8	Dec 29	4 00 PM '61
0	0	0	0	7	Dec 29	8 00 AM '61
0	0	0	0	6	Dec 29	12 00 AM '61
0	0	0	0	5	Dec 28	4 00 PM '61
0	0	0	0	4	Dec 28	8 00 AM '61
0	0	0	0	3	Dec 28	12 00 AM '61
0	0	0	0	2	Dec 27	4 00 PM '61
0	0	0	0	1	Dec 27	8 00 AM '61
0	0	0	0	0	Dec 27	12 00 AM '61
0	0	0	0	7	Dec 26	4 00 PM '61
0	0	0	0	6	Dec 26	8 00 AM '61
0	0	0	0	5	Dec 26	12 00 AM '61
0	0	0	0	4	Dec 25	4 00 PM '61
0	0	0	0	3	Dec 25	8 00 AM '61
0	0	0	0	2	Dec 25	12 00 AM '61
0	0	0	0	1	Dec 24	4 00 PM '61
0	0	0	0	0	Dec 24	8 00 AM '61
0	0	0	0	9	Dec 24	12 00 AM '61
0	0	0	0	8	Dec 23	4 00 PM '61
0	0	0	0	7	Dec 23	8 00 AM '61
0	0	0	1	1	Dec 23	12 00 AM '61
0	0	0	1	0	Dec 22	4 00 PM '61
0	0	0	1	0	Dec 22	8 00 AM '61
0	0	0	0	9	Dec 22	12 00 AM '61
0	0	0	0	8	Dec 21	4 00 PM '61
0	0	0	0	7	Dec 21	8 00 AM '61
0	0	0	0	6	Dec 21	12 00 AM '61
0	0	0	0	5	Dec 20	4 00 PM '61
0	0	0	0	4	Dec 20	8 00 AM '61
0	0	0	0	3	Dec 20	12 00 AM '61
0	0	0	0	2	Dec 19	4 00 PM '61

0	0	0	1	2	Dec 22 4 00 PM '61
0	0	0	1	0	Dec 22 8 00 AM '61
0	0	0	0	5	Dec 22 12 00 AM '61
0	0	0	0	0	Dec 21 4 00 PM '61
0	0	0	0	0	Dec 21 8 00 AM '61
0	0	0	0	5	Dec 21 12 00 AM '61
0	0	0	0	5	Dec 20 4 00 PM '61
0	0	0	0	5	Dec 20 8 00 AM '61
0	0	0	0	5	Dec 20 12 00 AM '61
0	0	0	0	4	Dec 19 4 00 PM '61
0	0	0	0	5	Dec 19 8 00 AM '61
0	0	0	0	5	Dec 19 12 00 AM '61
0	0	0	0	2	Dec 18 4 00 PM '61
0	0	0	0	4	Dec 18 8 00 AM '61
0	0	0	0	2	Dec 18 12 00 AM '61
0	0	0	0	3	Dec 17 4 00 PM '61
0	0	0	0	2	Dec 17 8 00 AM '61
0	0	0	0	5	Dec 17 12 00 AM '61
0	0	0	0	5	Dec 16 4 00 PM '61
0	0	0	0	5	Dec 16 8 00 AM '61
0	0	0	0	7	Dec 16 12 00 AM '61
0	0	0	0	7	Dec 15 4 00 PM '61
0	0	0	0	5	Dec 15 8 00 AM '61
0	0	0	0	7	Dec 15 12 00 AM '61
0	0	0	0	4	Dec 14 4 00 PM '61
0	0	0	1	1	Dec 14 8 00 AM '61
0	0	0	0	5	Dec 14 12 00 AM '61
0	0	0	0	4	Dec 13 4 00 PM '61
0	0	0	0	3	Dec 13 8 00 AM '61

mbs 12/13/61 11:40 am

0	0	0	0	4	Dec 13 12 00 AM '61
0	0	0	0	4	Dec 12 4 00 PM '61
0	0	0	0	4	Dec 12 8 00 AM '61
0	0	0	0	4	Dec 12 12 00 AM '61
0	0	0	0	0	Dec 11 4 00 PM '61
0	0	0	0	0	Dec 11 8 00 AM '61
0	0	0	0	4	Dec 11 12 00 AM '61
0	0	0			Dec 10 4 00 PM '61

0	0	0	0	[illegible]	Dec 13 12 00 AM '61
0	0	0	0	4	Dec 12 4 00 PM '61
0	0	0	0	4	Dec 12 8 00 AM '61
0	0	0	0	4	Dec 12 12 00 AM '61
0	0	0	0	0	Dec 11 4 00 PM '61
0	0	0	0	0	Dec 11 8 00 AM '61
0	0	0	0	4	Dec 11 12 00 AM '61
0	0	0	0	4	Dec 10 4 00 PM '61
0	0	0	0	4	Dec 10 8 00 AM '61
0	0	0	0	4	Dec 10 12 00 AM '61
0	0	0	0	0	Dec 9 4 00 PM '61
0	0	0	1	4	Dec 9 8 00 AM '61
0	0	0	0	0	Dec 9 12 00 AM '61
0	0	0	0	0	Dec 8 4 00 PM '61
0	0	0	0	4	Dec 8 8 00 AM '61
0	0	0	0	4	Dec 8 12 00 AM '61
0	0	0	0	4	Dec 7 4 00 PM '61
0	0	0	1	0	Dec 7 8 00 AM '61
0	0	0	0	4	Dec 7 12 00 AM '61
0	0	0	1	3	Dec 6 4 00 PM '61
0	0	0	0	7	Dec 6 8 00 AM '61
0	0	0	0	8	Dec 6 12 00 AM '61
0	0	0	0	4	Dec 5 4 00 PM '61
0	0	0	0	0	Dec 5 8 00 AM '61
0	0	0	0	0	Dec 5 12 00 AM '61
0	0	0	0	[illegible]	Dec 4 4 00 PM '61
0	0	0	2	0	Dec 4 8 00 AM '61
0	0	0	1	4	Dec 4 12 00 AM '61
0	0	0	1	0	Dec 3 4 00 PM '61
0	0	0	1	7	Dec 3 8 00 AM '61
0	0	0	1	1	Dec 3 12 00 AM '61
0	0	0	0	[illegible]	Dec 2 4 00 PM '61
0	0	0	1	0	Dec 2 8 00 AM '61
0	0	0	0	[illegible]	Dec 2 12 00 AM '61
0	0	0	0	0	Dec 1 4 00 PM '61
0	0	0	1	4	Dec 1 8 00 AM '61

Total Act. 5.74 No of Samples - 93
Average Act. 0.06 No > RAL. 0
- - - DAL 0

0	0	0	0	7	Dec 5 12 00 AM '61
0	0	0	0	8	Dec 5 4 00 PM '61
0	0	0	0	4	Dec 5 8 00 AM '61
0	0	0	0	5	Dec 5 12 00 AM '61
0	0	0	0	3	Dec 4 4 00 PM '61
0	0	0	0	[illegible]	Dec 4 8 00 AM '61
0	0	0	2	3	Dec 4 12 00 AM '61
0	0	0	1	4	Dec 3 4 00 PM '61
0	0	0	1	0	Dec 3 8 00 AM '61
0	0	0	1	7	Dec 3 12 00 AM '61
0	0	0	1	1	Dec 2 4 00 PM '61
0	0	0	0	6	Dec 2 8 00 AM '61
0	0	0	1	0	Dec 2 12 00 AM '61
0	0	0	0	6	Dec 1 4 00 PM '61
0	0	0	0	5	Dec 1 8 00 AM '61
0	0	0	1	4	

Total Act. 5.74 No. of Samples - 93
Average Act. 0.06 No > RAL 0
% > RAL 0

K-1401 Compressor Stag.
Dec. 1961

19-1-61
Type 11-329
Recovery 10%
Sample # C-11½

New Column

1.61
0.82 } max. 30 min. samples

K-1401 Specimen Shop
12-29-61.
Paper Tape up Roll
Full.

0	0	0	1	1
0	0	0	0	3
0	0	0	0	5
0	0	0	0	4
0	0	0	0	5
0	0	0	0	4
0	0	0	0	4
0	0	0	0	4
0	0	0	0	4
0	0	0	0	6
0	0	0	0	5
0	0	0	0	4
0	0	0	0	5
0	0	0	0	7
0	0	0	0	3
0	0	0	0	6
0	0	0	0	6
0	0	0	0	6
0	0	0	1	2
0	0	0	0	3
0	0	0	1	4
0	0	0	1	5
0	0	0	1	1

Dec 29 7 56 AM '61
Dec 29 11 56 PM '61
Dec 28 3 56 PM '61
Dec 28 7 56 AM '61
Dec 27 11 56 PM '61
Dec 27 3 56 PM '61
Dec 27 7 56 AM '61
Dec 26 11 56 PM '61
Dec 26 3 56 PM '61
Dec 26 7 56 AM '61
Dec 25 11 56 PM '61
Dec 25 3 56 PM '61
Dec 25 7 56 AM '61
Dec 24 11 56 PM '61
Dec 24 3 56 PM '61
Dec 24 7 56 AM '61
Dec 23 11 56 PM '61
Dec 23 3 56 PM '61
Dec 23 7 56 AM '61
Dec 22 11 56 PM '61
Dec 22 3 56 PM '61
Dec 22 7 56 AM '61
Dec 21 11 56 PM '61

0 0 0 0 9	Dec 22 11 56 PM 61
0 0 0 1 4	Dec 22 3 56 PM 61
0 0 0 1 5	Dec 22 7 56 AM 61
0 0 0 1 1	Dec 21 11 56 PM 61
0 0 0 0 9	Dec 21 3 56 PM 61
0 0 0 0 9	Dec 21 7 56 AM 61
0 0 0 0 0	Dec 20 11 56 PM 61
0 0 0 0 0	Dec 20 3 56 PM 61
0 0 0 0 0	Dec 20 7 56 AM 61
0 0 0 0 7	Dec 19 11 56 PM 61
0 0 0 0 9	Dec 19 3 56 PM 61
0 0 0 0 5	Dec 19 7 56 AM 61
0 0 0 0 8	Dec 18 11 56 PM 61
0 0 0 0 8	Dec 18 3 56 PM 61
0 0 0 0 4	Dec 18 7 56 AM 61
0 0 0 0 6	Dec 17 11 56 PM 61
0 0 0 0 6	Dec 17 3 56 PM 61
0 0 0 0 4	Dec 17 7 56 AM 61
0 0 0 0 7	Dec 16 11 56 PM 61
0 0 0 0 8	Dec 16 3 56 PM 61
0 0 0 0 7	Dec 16 7 56 AM 61
0 0 0 0 9	Dec 15 11 56 PM 61
0 0 0 0 8	Dec 15 3 56 PM 61
0 0 0 1 1	Dec 15 7 56 AM 61
0 0 0 0 8	Dec 14 11 56 PM 61
0 0 0 1 2	Dec 14 3 56 PM 61
0 0 0 1 2	Dec 14 7 56 AM 61
0 0 0 0 7	Dec 13 11 56 PM 61
0 0 0 0 2	Dec 13 3 56 PM 61
0 0 0 0 2	Dec 13 7 56 AM 61
0 0 0 0 0	Dec 12 11 56 PM 61
0 0 0 0 1	Dec 12 3 56 PM 61
0 0 0 0 0	Dec 12 7 56 AM 61

12/12/61 11 am

0 0 0 0 2	Dec 11 11 56 PM 61
0 0 0 0 1	Dec 11 3 56 PM 61

0 0 0 1 2	[illegible]
0 0 0 0 7	[illegible]
0 0 0 0 2	[illegible]
0 0 0 0 2	[illegible]
0 0 0 0 0	[illegible]
0 0 0 0 1	[illegible]
0 0 0 0 3	[illegible]

12/12/61 11am

0 0 0 0 2	DEC 11 [illegible]
0 0 0 0 1	DEC 11 [illegible] PM '61
0 0 0 0 0	DEC 11 7 56 AM '61
0 0 0 0 1	[illegible]
0 0 0 0 1	DEC 10 3 5 PM '61
0 0 0 0 3	DEC 10 7 5 AM '61
0 0 0 0 1	DEC 9 11 56 PM '61
0 0 0 0 1	DEC 9 3 56 PM '61
0 0 0 0 0	DEC 9 7 56 AM '61
0 0 0 0 1	DEC 8 11 56 PM '61
0 0 0 0 2	DEC 8 3 56 PM '61
0 0 0 0 2	DEC 8 7 56 AM '61

0 0 0 0 4	DEC 7 11 56 PM '61
0 0 0 0 3	DEC 7 3 56 PM '61
0 0 0 0 1	DEC 7 7 5 AM '61
0 0 0 0 1	DEC 6 11 5 PM '61
0 0 0 0 2	DEC 6 3 5 PM '61
0 0 0 0 0	DEC 6 7 56 AM '61
0 0 0 0 1	DEC 5 11 56 PM '61
0 0 0 0 2	DEC 5 3 5 PM '61

~~0 0 0 2 [illegible] THU 11 8 05 AM '61~~

Total Activity 3.78 No of Samples = 72
Average Act. - 0.05 No > P.B.L. 0

0 0 0 0 1	Dec 6 11 5 PM 61
0 0 0 0 2	Dec 6 3 5 PM 61
0 0 0 0 0	Dec 6 7 56 AM 61
0 0 0 0 1	Dec 5 11 56 PM 61
0 0 0 0 2	Dec 5 3 5 PM 61

~~0 0 0 2 41 Thu 5 9 45 AM 61~~

Total Activity 3.78 No of Samples - 72
Average Act. - 0.05 No > P.A.L. 0
% > P.A.L. 0

K1401 Specimen Shot

K1401 Specimen 12-5-61

Dec 1961

New Column
D-21½

0.29 c/m/ft³
mat. ½ hr. sample

12-1-61
1401 Specimen Shipped C.O. Bra
OK

0 U U 1 0	Nov 31 12 00 AM '61
0 U U 0 5	Nov 30 4 00 PM '61
0 U U 1 3	Nov 30 8 00 AM '61
0 U U 0 7	Nov 30 12 00 AM '61
0 U U 0 5	Nov 29 4 00 PM '61
0 U U 1 5	Nov 29 8 00 AM '61
0 U U 0 8	Nov 29 12 00 AM '61
0 U U 0 6	Nov 28 4 00 PM '61
0 U U 0 3	Nov 28 8 00 AM '61

Refused
Inseption
11-28-61
G.E.

0 U U 0 2	Nov 28 12 00 AM '61
0 U U 0 3	Nov 27 4 00 PM '61

2/20 gm
11/27/61
MR

0 U U 0 3	Nov 27 8 00 AM '61
0 U U 0 4	Nov 27 12 00 AM '61
0 U U 0 3	Nov 26 4 00 PM '61
0 U U 0 3	Nov 26 8 00 AM '61
0 U U 0 4	Nov 26 12 00 AM '61
0 U U 0 4	Nov 25 4 00 PM '61
0 U U 0 7	Nov 25 8 00 AM '61
0 U U 0 6	Nov 25 12 00 AM '61
0 U U 0 4	Nov 24 4 00 PM '61

0 U U 0 4	Nov 24 8 00 AM '61
0 U U 0 4	Nov 24 12 00 AM '61

0 0 0 0 4	Nov 24 8 00 AM '61
0 0 0 0 4	Nov 24 12 00 AM '61
0 0 0 0 3	Nov 23 4 00 PM '61
0 0 0 0 7	Nov 23 8 00 AM '61
0 0 0 0 5	Nov 23 12 00 AM '61
0 0 0 0 8	Nov 22 4 00 PM '61
0 0 0 1 0	Nov 22 8 00 AM '61
0 0 0 0 7	Nov 22 12 00 AM '61
0 0 0 0 4	Nov 21 4 00 PM '61
0 0 0 0 5	Nov 21 8 00 AM '61
0 0 0 0 5	Nov 21 12 00 AM '61
0 0 0 0 5	Nov 20 4 00 PM '61
0 0 0 0 5	Nov 20 8 00 AM '61
0 0 0 0 5	Nov 20 12 00 AM '61
0 0 0 0 5	Nov 19 4 00 PM '61
0 0 0 0 5	Nov 19 8 00 AM '61
0 0 0 0 5	Nov 19 12 00 AM '61
0 0 0 0 5	Nov 18 4 00 PM '61
0 0 0 1 2	Nov 18 8 00 AM '61
0 0 0 0 8	Nov 18 12 00 AM '61
0 0 0 0 5	Nov 17 4 00 PM '61
0 0 0 0 4	Nov 17 8 00 AM '61

11-17-61
Joe

0 0 0 0 4	Nov 17 12 00 AM '61
0 0 0 0 3	Nov 16 4 00 PM '61
0 0 0 0 5	Nov 16 8 00 AM '61

0 0 0 0 5	Nov 16 8 00 AM '61
0 0 0 0 6	Nov 16 12 00 AM '61
0 0 0 0 5	Nov 15 4 00 PM '61
0 0 0 0 8	Nov 15 8 00 AM '61
0 0 0 0 7	Nov 15 12 00 AM '61
0 0 0 0 5	Nov 14 4 00 PM '61
0 0 0 0 8	Nov 14 8 00 AM '61
0 0 0 1 0	Nov 14 12 00 AM '61
0 0 0 0 9	Nov 13 4 00 PM '61
0 0 0 1 5	Nov 13 8 00 AM '61
0 0 0 1 1	Nov 13 12 00 AM '61
0 0 0 0 7	Nov 12 4 00 PM '61
0 0 0 1 3	Nov 12 8 00 AM '61
0 0 0 1 0	Nov 12 12 00 AM '61
0 0 0 0 8	Nov 11 4 00 PM '61
0 0 0 1 5	Nov 11 8 00 AM '61
0 0 0 1 0	Nov 11 12 00 AM '61
0 0 0 0 7	Nov 10 4 00 PM '61
0 0 0 1 2	Nov 10 8 00 AM '61
0 0 0 0 9	Nov 10 12 00 AM '61
0 0 0 0 6	Nov 9 4 00 PM '61
0 0 0 1 2	Nov 9 8 00 AM '61
0 0 0 0 7	Nov 9 12 00 AM '61
0 0 0 0 6	Nov 8 4 00 PM '61
0 0 0 1 1	Nov 8 8 00 AM '61
0 0 0 0 7	Nov 8 12 00 AM '61
0 0 0 0 6	Nov 7 4 00 PM '61
0 0 0 0 7	Nov 7 8 00 AM '61
0 0 0 0 8	Nov 7 12 00 AM '61
0 0 0 0 8	Nov 6 4 00 PM '61
0 0 0 0 7	Nov 6 8 00 AM '61
0 0 0 0 5	Nov 6 12 00 AM '61
0 0 0 0 5	Nov 5 4 00 PM '61
0 0 0 0 7	Nov 5 8 00 AM '61
0 0 0 0 5	Nov 5 12 00 AM '61

Checked 11-2-61

0 0 0 0 8	Nov 6 4 00 PM '61
0 0 0 0 7	Nov 6 8 00 AM '61
0 0 0 0 5	Nov 6 12 00 AM '61
0 0 0 0 5	Nov 5 4 00 PM '61
0 0 0 0 7	Nov 5 8 00 AM '61
0 0 0 0 5	Nov 5 12 00 AM '61
0 0 0 0 5	Nov 4 4 00 PM '61
0 0 0 0 5	Nov 4 8 00 AM '61
0 0 0 0 4	Nov 4 12 00 AM '61
0 0 0 0 4	Nov 3 4 00 PM '61

New Filter Paper

0 0 0 0 5	Nov 3 8 00 AM '61
0 0 0 0 6	Nov 3 12 00 AM '61
0 0 0 0 6	Nov 2 4 00 PM '61
0 0 0 1 5	Nov 2 8 00 AM '61
0 0 0 1 0	Nov 2 12 00 AM '61
0 0 0 0 4	Nov 1 4 00 PM '61
0 0 0 0 6	Nov 1 8 00 AM '61

Tot. Act. = 6.1
Av. Act. = 0.07

No. Samples = 91
No. > PAL = 0
% > PAL = 0

K-1401, Fallowin Shop
NOV. '61
~~90 samples~~
0 > PAL

Pilot Comparison Slip - [illegible]

0	0	0	1	4	Nov 31	12 00 AM '61
0	0	0	1	0	Nov 30	4 00 PM '61
0	0	0	1	5	Nov 30	8 00 AM '61
0	0	0	1	0	Nov 30	12 00 AM '61
0	0	0	0	7	Nov 29	4 00 PM '61
0	0	0	1	3	Nov 29	8 00 AM '61
0	0	0	0	7	Nov 29	12 00 AM '61
0	0	0	1	4	Nov 28	4 00 PM '61
0	0	0	0	5	Nov 28	8 00 AM '61
0	0	0	0	5	Nov 28	12 00 AM '61
0	0	0	0	5	Nov 27	4 00 PM '61
0	0	0	0	5	Nov 27	8 00 AM '61
0	0	0	0	4	Nov 27	12 00 AM '61
0	0	0	0	2	Nov 26	4 00 PM '61
0	0	0	1	3	Nov 26	8 00 AM '61
0	0	0	1	0	Nov 26	12 00 AM '61
0	0	0	0	7	Nov 25	4 00 PM '61
0	0	0	1	0	Nov 25	8 00 AM '61
0	0	0	0	5	Nov 25	12 00 AM '61
0	0	0	0	4	Nov 24	4 00 PM '61
0	0	0	0	4	Nov 24	8 00 AM '61
0	0	0	0	3	Nov 24	12 00 AM '61
0	0	0	0	3	Nov 23	4 00 PM '61
0	0	0	1	0	Nov 23	8 00 AM '61
0	0	0	0	8	Nov 23	12 00 AM '61
0	0	0	1	2	Nov 22	4 00 PM '61
0	0	0	1	7	Nov 22	8 00 AM '61
0	0	0	0	5	Nov 22	12 00 AM '61
0	0	0	0	0	Nov 21	4 00 PM '61
0	0	0	0	[illegible]	Nov 21	8 00 AM '61
0	0	[illegible]	[illegible]		Nov 21	12 00 AM '61
0	0	0	1	2	Nov 20	4 00 PM '61
0	0	[illegible]	[illegible]	[illegible]	Nov 20	8 00 AM '61

0	0	0	0	[illegible]	Nov 22	12 00 AM '61
0	0	0	1	[illegible]	Nov 22	4 00 PM '61
0	0	0	1	[illegible]	Nov 22	[illegible] 00 AM '61
0	0	[illegible]	[illegible]	[illegible]	Nov 22	12 00 AM '61
0	0	[illegible]	[illegible]	[illegible]	Nov 21	4 00 PM '61
0	0	[illegible]	[illegible]	[illegible]	Nov 21	[illegible] 00 AM '61
0	0	[illegible]	[illegible]		Nov 21	12 00 AM '61
0	0	0	1	[illegible]	Nov 20	4 00 PM '61
0	0	0	1	[illegible]	Nov 20	[illegible] 00 AM '61
0	0	0	0	[illegible]	Nov 20	12 00 AM '61
0	0	0	0	0	Nov 19	4 00 PM '61
0	0	0	0	[illegible]	Nov 19	[illegible] 00 AM '61
0	0	0	0	0	Nov 19	12 00 AM '61
0	0	0	0	[illegible]	Nov 18	4 00 PM '61
0	0	0	1	[illegible]	Nov 18	[illegible] 00 AM '61
0	0	0	1	[illegible]	Nov 18	12 00 AM '61
0	0	0	0	0	Nov 17	4 00 PM '61
0	0	0	0	[illegible]	Nov 17	[illegible] 00 AM '61
0	0	0	0	[illegible]	Nov 17	12 00 AM '61
0	0	0	0	[illegible]	Nov 16	4 00 PM '61
0	0	0	0	[illegible]	Nov 16	[illegible] 00 AM '61
0	0	0	0	0	Nov 16	12 00 AM '61
0	0	0	0	[illegible]	Nov 15	4 00 PM '61
0	0	0	0	0	Nov 15	[illegible] 00 AM '61
0	0	0	0	[illegible]	Nov 15	12 00 [illegible] '61
0	0	0	0	0	Nov 14	4 00 PM '61
0	0	0	0	[illegible]	Nov 14	8 00 AM '61
0	0	0	1	2	Nov 14	12 00 AM '61
0	0	0	1	[illegible]	Nov 13	4 00 PM '61
0	0	0	2	[illegible]	Nov 13	[illegible] 00 AM '61
0	0	0	1	[illegible]	Nov 13	12 00 AM '61
0	0	0	0	[illegible]	Nov 12	4 00 PM '61
0	0	0	1	[illegible]	Nov 12	[illegible] 00 AM '61
0	0	0	1	[illegible]	Nov 12	12 00 AM '61
0	0	0	1	[illegible]	Nov 11	4 00 PM '61
0	0	0	[illegible]	[illegible]	Nov 11	[illegible] 00 AM '61
0	0	0	1	1	Nov 11	12 00 AM '61
0	0	0	0	[illegible]	Nov 10	4 00 PM '61
0	0	[illegible]	[illegible]	[illegible]	Nov 10	8 00 AM '61

0	0	0	1	4
0	0	0	1	3
0	0	0	1	2
0	0	0	1	1
0	0	0	1	0
0	0	0	0	9
0	0	0	0	8
0	0	0	0	7
0	0	0	0	6
0	0	0	0	5
0	0	0	0	4
0	0	0	0	3
0	0	0	0	2
0	0	0	0	1
0	0	0	0	0
0	0	0	0	9
0	0	0	0	8
0	0	0	0	7
0	0	0	0	6
0	0	0	0	5
0	0	0	0	4
0	0	0	0	3
0	0	0	0	2
0	0	0	0	1
0	0	0	0	0
0	0	0	0	9
0	0	0	0	8
0	0	0	0	7
0	0	0	0	6
0	0	0	0	5
0	0	0	0	4
0	0	0	0	3
0	0	0	0	2
0	0	0	0	1
0	0	0	0	0
0	0	0	0	9
0	0	0	0	8
0	0	0	0	7
0	0	0	0	6
0	0	0	0	5
0	0	0	0	4
0	0	0	0	3
0	0	0	0	2
0	0	0	0	1
0	0	0	0	0

Nov 12	4	00 PM '61
Nov 12	8	00 AM '61
Nov 12	12	00 AM '61
Nov 11	4	00 PM '61
Nov 11	8	00 AM '61
Nov 11	12	00 AM '61
Nov 10	4	00 PM '61
Nov 10	8	00 AM '61
Nov 10	12	00 AM '61
Nov 9	4	00 PM '61
Nov 9	8	00 AM '61
Nov 9	12	00 AM '61
Nov 8	4	00 PM '61
Nov 8	8	00 AM '61
Nov 8	12	00 AM '61
Nov 7	4	00 PM '61
Nov 7	8	00 AM '61
Nov 7	12	00 AM '61
Nov 6	4	00 PM '61
Nov 6	8	00 AM '61
Nov 6	12	00 AM '61
Nov 5	4	00 PM '61
Nov 5	8	00 AM '61
Nov 5	12	00 AM '61
Nov 4	4	00 PM '61
Nov 4	8	00 AM '61
Nov 4	12	00 AM '61
Nov 3	4	00 PM '61
Nov 3	8	00 AM '61
Nov 3	12	00 AM '61
Nov 2	4	00 PM '61
Nov 2	8	00 AM '61
Nov 2	12	00 AM '61
Nov 1	4	00 PM '61

Reviewed Robert Thorpe 11/14/61

0 0 0 0 0	Nov 4 [illegible] 00 AM '61
0 0 0 0 0	Nov 4 12 00 [illegible] '61
0 0 0 0 0	Nov 3 4 00 PM '61
0 0 0 0 0	Nov 3 [illegible] 00 AM '61
0 0 0 0 0	Nov 3 12 00 AM '61
0 0 0 0 0	Nov 2 4 00 PM '61
0 0 0 1 4	Nov 2 [illegible] 00 AM '61
0 0 0 0 7	Nov 2 12 00 AM '61
0 0 0 0 3	Nov 1 4 00 PM '61

89 Samples

0 >PAL

Tot. Act. = 7.4 No. Samples = 89

Av. Act. = 0.08 No. > PAL = 0

% > PAL = 0.

VT-1401 A.F.

NOV. 61

#20 Smoulter
1401 = Machine Gun
Cu D-22

0 0 0 0 6	Oct 32 12 00 AM '61
0 0 0 0 9	Oct 31 4 00 PM '61
0 0 0 1 2	Oct 31 8 00 AM '61
0 0 0 1 1	Oct 31 12 00 AM '61
0 0 0 1 1	Oct 30 4 00 PM '61
0 0 0 2 0	Oct 30 8 00 AM '61
0 0 0 1 3	Oct 30 12 00 AM '61
0 0 0 1 2	Oct 29 4 00 PM '61
0 0 0 2 3	Oct 29 8 00 AM '61
0 0 0 1 2	Oct 29 12 00 AM '61
0 0 0 1 2	Oct 28 4 00 PM '61
0 0 0 2 1	Oct 28 8 00 AM '61
0 0 0 1 1	Oct 28 12 00 AM '61
0 0 0 1 0	Oct 27 4 00 PM '61
0 0 0 1 5	Oct 27 8 00 AM '61
0 0 0 0 9	Oct 27 12 00 AM '61
0 0 0 0 7	Oct 26 4 00 PM '61
0 0 0 1 0	Oct 26 8 00 AM '61
0 0 0 0 6	Oct 26 12 00 AM '61
0 0 0 1 3	Oct 25 4 00 PM '61
~~0 0 0 1 0~~	~~Oct 25 8 00 AM '61~~
0 0 0 1 2 2 = 164 =	Oct 25 8 00 AM '61

K-1401
Specimen
Machining
Area
10-25-61

0 0 0 1 7	Oct 24 11 59 PM '61
0 0 0 0 2	Oct 24 3 59 PM '61
~~0 0 0 0 1~~	~~Oct 24 11 00 AM '61~~
~~0 0 0 1 4~~	~~Oct 24 12 44 PM '61~~
~~0 0 0 1 4~~	~~Oct 24 12 40 PM '61~~
~~0 0 0 1 3~~	~~Oct 24 12 36 PM '61~~
~~0 0 0 0 2~~	~~Oct 24 12 31 PM '61~~
~~0 0 0 1 5~~	~~Oct 24 12 29 PM '61~~
~~0 0 0 1 3~~	~~Oct 24 12 24 PM '61~~
~~0 0 0 0 1~~	~~Oct 24 12 21 PM '61~~
~~0 0 0 0 4~~	~~Oct 24 12 21 PM '61~~
0 0 0 1 3	Oct 24 12 05 PM '61
0 0 0 0 1	Oct 24 12 01 PM '61
0 0 0 1 3	~~Oct 24 11 57 AM '61~~
0 0 0 0 2	~~Oct 24 11 53 AM '61~~
0 0 0 1 3	~~Oct 24 11 52 AM '61~~
0 0 0 0 2	~~Oct 24 11 49 AM '61~~
0 0 0 1 2	~~Oct 24 11 48 AM '61~~
0 0 0 0 1	~~Oct 24 11 44 AM '61~~
0 0 0 0 1	~~Oct 24 11 43 AM '61~~
0 0 0 1 2	~~Oct 24 11 43 AM '61~~

Void

-165-

0 0 0 0 1	Oct 24 11 43 AM '61
0 0 0 1 2	Oct 24 11 43 AM '61
0 0 0 0 1	Oct 24 11 39 AM '61
0 0 0 1 1	Oct 24 11 36 AM '61
0 0 0 0 1	Oct 24 11 34 AM '61
0 0 0 0 8	Oct 24 11 33 AM '61
0 0 0 0 1	Oct 24 11 29 AM '61
0 0 0 0 1	Oct 24 11 28 AM '61
0 0 0 0 1	Oct 24 11 25 AM '61
0 0 0 1 4	Oct 24 11 25 AM '61
0 0 0 0 0	Oct 24 10 23 AM '61
0 0 0 0 0	Oct 24 10 18 AM '61
0 0 0 0 0	Oct 24 10 18 AM '61
0 0 0 0 0	Oct 24 10 18 AM '61
0 0 0 0 0	Oct 24 10 17 AM '61
0 0 3 9 4	Oct 24 10 16 AM '61
0 0 2 1 0	Oct 24 10 05 AM '61
0 0 3 3 1	Oct 24 10 04 AM '61
0 0 0 0 0	Oct 24 10 00 AM '61
0 1 2 4 1	Oct 24 10 00 AM '61
0 1 4 6 7	Oct 24 9 03 AM '61
0 0 0 2 1	Oct 24 8 35 AM '61
0 0 0 2 1	Oct 24 8 33 AM '61
0 0 0 0 0	Oct 24 8 31 AM '61
0 0 0 0 1	Oct 24 8 31 AM '61
0 0 0 1 4	Oct 24 8 31 AM '61
0 0 0 0 0	Oct 24 8 30 AM '61
0 0 0 0 7	Oct 24 8 30 AM '61

0 0 0 1 0	Oct 24 8 28 AM '61
0 0 0 0 3	Oct 24 8 28 AM '61
0 0 0 0 3	Oct 24 8 27 AM '61
0 0 1 0 5	Oct 24 8 26 AM '61
0 0 0 0 7	Oct 24 7 14 AM '61
0 0 0 0 3	Oct 23 11 39 PM '61
0 0 3 0 5	Oct 23 3 39 PM '61

0 0 0 0 0	Oct 23 2 38 PM '61
0 0 0 0 1	Oct 23 2 38 PM '61
0 0 0 0 0	Oct 23 2 37 PM '61
0 0 0 5 9	Oct 23 2 37 PM '61
	Oct 23 2 37 PM '61
0 0 1 7 8	Oct 23 5 10 AM '61
0 0 0 0 0	Oct 23 4 55 AM '61
0 0 0 0 0	Oct 23 4 51 AM '61
0 0 0 0 0	Oct 23 4 51 AM '61
0 0 0 1 1	Oct 23 4 51 AM '61
0 0 0 0 0	Oct 23 4 50 AM '61
0 0 0 0 0	Oct 23 4 50 AM '61
0 0 0 0 0	Oct 23 4 47 AM '61
0 0 0 0 0	Oct 23 12 00 AM '61
0 0 0 0 0	Oct 22 4 30 PM '61
0 0 0 0 0	Oct 22 4 00 PM '61
0 0 0 0 0	Oct 22 8 00 AM '61
0 0 0 0 0	Oct 22 12 00 AM '61
0 0 0 0 0	Oct 21 4 30 PM '61
0 0 0 0 0	Oct 21 4 00 PM '61
0 0 0 0 0	Oct 21 8 00 AM '61
0 0 0 0 0	Oct 21 12 30 AM '61
0 0 0 0 0	Oct 21 12 00 AM '61
0 0 0 0 0	Oct 20 4 30 PM '61
0 0 0 0 0	Oct 20 4 00 PM '61
0 0 0 0 0	Oct 20 8 30 AM '61
0 0 0 0 0	Oct 20 8 00 AM '61
0 0 0 0 0	Oct 20 12 30 AM '61
0 0 0 0 0	Oct 20

Vpr 1P

0 0 0 0 0	Oct 20 8 30 AM '61
0 0 0 0 0	Oct 20 8 00 AM '61
0 0 0 0 0	
0 0 0 0 0	Oct 20 12 30 AM '61
0 0 0 0 0	Oct 20 12 00 AM '61
0 0 0 0 3	Oct 19 4 00 PM '61
0 0 0 0 0	Oct 19 8 30 AM '61
0 0 0 0 3	Oct 19 8 00 AM '61
0 0 0 0 0	Oct 19 12 30 AM '61
0 0 0 0 2	Oct 19 12 00 AM '61
0 0 0 0 0	Oct 18 4 30 PM '61
0 0 0 0 3	Oct 18 4 00 PM '61

10-18-61

0 0 0 0 2	Oct 18 8 00 AM '61
0 0 0 0 0	Oct 18 12 30 AM '61
0 0 0 0 4	Oct 18 12 00 AM '61
0 0 0 0 0	Oct 17 4 30 PM '61
0 0 0 0 2	Oct 17 4 00 PM '61
0 0 0 0 0	Oct 17 8 30 AM '61
0 0 0 0 3	Oct 17 8 00 AM '61
0 0 0 0 2	Oct 17 12 00 AM '61
0 0 0 0 2	Oct 16 4 00 PM '61
0 0 0 0 3	Oct 16 8 00 AM '61
0 0 0 0 0	Oct 16 12 30 AM '61
0 0 0 0 2	Oct 16 12 00 AM '61
0 0 0 0 2	Oct 15 4 00 PM '61
0 0 0 0 0	Oct 15 8 30 AM '61
0 0 0 1 4	Oct 15 8 00 AM '61
0 0 0 0 0	Oct 15 12 30 AM '61
0 0 0 0 2	Oct 15 12 00 AM '61
0 0 0 0 1	Oct 14 4 30 PM '61

~~0 0 0 0 1~~	~~Oct 14 4 30 PM '61~~
0 0 0 0 3	Oct 14 4 00 PM '61
0 0 0 1 0	Oct 14 8 00 AM '61
0 0 0 1 4	Oct 14 12 00 AM '61
~~0 0 0 0 0~~	~~Oct 13 4 30 PM '61~~
0 0 0 0 6	Oct 13 4 00 PM '61
~~0 0 0 0 0~~	~~Oct 13 8 30 AM '61~~
0 0 0 2 4	Oct 13 8 00 AM '61

10-13-61
Specimens
[illegible]

~~0 0 0 0 2~~	~~Oct 13 12 30 AM '61~~
0 0 0 1 4	Oct 13 12 00 AM '61
~~0 0 0 0 1~~	~~Oct 12 4 30 PM '61~~
0 0 0 0 9	Oct 12 4 00 PM '61
~~0 0 0 0 3~~	~~Oct 12 8 30 AM '61~~
0 0 0 3 8	Oct 12 8 00 AM '61
0 0 0 1 3	Oct 12 12 00 AM '61
~~0 0 0 0 0~~	~~Oct 11 4 30 PM '61~~
0 0 0 0 9	Oct 11 4 00 PM '61
~~0 0 0 0 2~~	~~Oct 11 8 30 AM '61~~
0 0 0 4 2	Oct 11 8 00 AM '61

Called 10-11-61
Pr: 35
Out

Called 10-11-61
In: 35
Out

0 0 0 1 8	Oct 10 11 59 PM '61
~~0 0 0 0 6~~	~~Oct 10 4 29 PM '61~~
0 0 0 1 6	Oct 10 3 59 PM '61
0 0 0 3 5	Oct 10 7 59 AM '61
0 0 0 1 8	Oct 9 11 59 PM '61
~~0 0 0 0 0~~	~~Oct 9 4 29 PM '61~~
0 0 0 1 3	Oct 9 3 59 PM '61
~~0 0 0 0 2~~	~~Oct 9 8 29 AM '61~~
0 0 0 4 1	Oct 9 7 59 AM '61
0 0 0 2 0	Oct 8 11 59 PM '61
0 0 0 1 1	Oct 8 3 59 PM '61
~~0 0 0 0 1~~	~~Oct 8 8 29 AM '61~~
0 0 0 3 4	Oct 8 7 59 AM '61
0 0 0 1 8	Oct 7 11 59 PM '61
0 0 0 1 3	Oct 7 3 59 PM '61
0 0 0 3 0	Oct 7 7 59 AM '61
~~0 0 0 0 1~~	~~Oct 7 12 29 AM '61~~
0 0 0 1 8	Oct 6 11 59 PM '61
0 0 0 1 2	Oct 6 3 59 PM '61
0 0 0 3 0	Oct 6 7 59 AM '61
0 0 0 1 5	Oct 5 11 59 PM '61
0 0 0 0 8	Oct 5 3 59 PM '61
0 0 0 2 2	Oct 5 7 59 AM '61
~~0 0 0 0 1~~	~~Oct 5 12 29 AM '61~~
0 0 0 0 7	Oct 4 11 59 PM '61
0 0 0 0 4	Oct 4 3 59 PM '61
0 0 0 1 3	Oct 4 8 00 AM '61
0 0 0 0 8	Oct 4 12 31 AM '61
0 0 0 0 5	Oct 3 4 31 PM '61
~~0 0 0 0 0~~	~~Oct 3 9 01 AM '61~~
0 0 0 0 7	Oct 3 8 31 AM '61
~~0 0 0 0 1~~	~~Oct 3 12 31 AM '61~~
0 0 0 0 8	Oct 3 12 01 AM '61

-121-

0 0 0 1 2	Oct 6 3 59 PM '61
0 0 0 3 0	Oct 6 7 59 AM '61
0 0 0 1 5	Oct 5 11 59 PM '61
0 0 0 0 8	Oct 5 3 59 PM '61
0 0 0 2 2	Oct 5 7 59 AM '61
~~0 0 0 0 1~~	~~Oct 5 12 29 AM '61~~
0 0 0 0 7	Oct 4 11 59 PM '61
0 0 0 0 4	Oct 4 3 59 PM '61
0 0 0 1 3	Oct 4 8 00 AM '61
0 0 0 0 8	Oct 4 12 31 AM '61
0 0 0 0 5	Oct 3 4 31 PM '61
~~0 0 0 0 0~~	~~Oct 3 9 01 AM '61~~
0 0 0 0 7	Oct 3 8 31 AM '61
~~0 0 0 0 1~~	~~Oct 3 12 31 AM '61~~
0 0 0 0 8	Oct 3 12 01 AM '61
0 0 0 0 7	Oct 2 4 01 PM '61
~~0 0 0 0 0~~	~~Oct 2 8 31 AM '61~~
0 0 0 0 2	Oct 2 8 01 AM '61

76 samples
0 > PAL

No 20
1401 Specimen
Machining Area

Tot. Act. = 9.5 No. samples = 76
Av. Act. = 0.13 No. > PAL = 0
% > PAL = 0

K-1401 Spec. Mach. Area
Oct. '61

#6 Summer
1401 Axial Flow
Compressor Shop
11-1-61

0	0	0	0	0	Oct 32 12 00 AM '61
0	0	0	0	0	Oct 31 4 00 PM '61
0	0	0	1	7	Oct 31 8 00 AM '61
0	0	0	1	5	Oct 31 12 00 AM '61
0	0	0	1	1	Oct 30 4 00 PM '61
0	0	0	2	[illegible]	Oct 30 8 00 AM '61
0	0	0	1	0	Oct 30 12 00 AM '61
0	0	0	1	0	Oct 29 4 00 PM '61
0	0	0	0	0	Oct 29 8 00 AM '61
0	0	0	1	0	Oct 29 12 00 AM '61
0	0	0	1	0	Oct 28 4 00 PM '61
0	0	0	0	0	Oct 29 8 00 AM '61
0	0	0	1	0	Oct 28 12 00 AM '61
0	0	0	1	0	Oct 27 4 00 PM '61
0	0	0	2	[illegible]	Oct 27 8 00 AM '61
0	0	0	1	0	Oct 27 12 00 AM '61
0	0	0	1	0	Oct 26 4 00 PM '61
0	0	0	1	[illegible]	Oct 26 8 00 AM '61
0	0	0	[illegible]	[illegible]	Oct 26 12 00 AM '61
0	0	0	1	0	Oct 25 4 00 PM '61
0	0	0	[illegible]	0	Oct 25 8 00 AM '61
0	0	0	1	0	Oct 25 12 00 AM '61
0	0	0	1	[illegible]	Oct 24 4 00 PM '61
0	0	0	[illegible]	[illegible]	Oct 24 8 00 AM '61
0	0	0	1	[illegible]	Oct 24 12 00 AM '61
0	0	0	[illegible]	[illegible]	Oct 23 4 00 PM '61
0	0	0	2	[illegible]	Oct 23 8 00 AM '61
0	0	0	1	[illegible]	Oct 23 12 00 AM '61
0	0	[illegible]			Oct 22 4 00 PM '61

0	0	[illegible]	[illegible]	[illegible]	Oct 22 [illegible] 00 AM '61
0	0	[illegible]	[illegible]	[illegible]	Oct 22 12 00 AM '61
0	0	[illegible]	[illegible]	[illegible]	Oct 21 4 00 PM '61
0	0	[illegible]	[illegible]	[illegible]	Oct 21 [illegible] 00 AM '61
0	0	[illegible]	[illegible]	[illegible]	Oct 21 12 00 [illegible] '61
0	0	[illegible]	[illegible]	[illegible]	Oct 20 4 00 PM '61
0	0	[illegible]	[illegible]	[illegible]	Oct 20 8 00 AM '61
0	0	[illegible]	[illegible]	[illegible]	Oct 20 12 10 AM '61
0	0	[illegible]	1	[illegible]	Oct 19 4 10 PM '61
0	0	[illegible]	[illegible]	[illegible]	Oct 19 8 10 AM '61
0	0	[illegible]	[illegible]	[illegible]	Oct 19 12 10 AM '61
0	0	[illegible]	2	[illegible]	Oct 18 4 10 PM '61
0	0	[illegible]	4	[illegible]	Oct 18 8 10 AM '61
0	0	[illegible]	1	[illegible]	Oct 18 12 10 AM '61
0	0	[illegible]	1	[illegible]	Oct 17 4 10 PM '61
0	0	[illegible]	[illegible]	[illegible]	Oct 17 8 10 AM '61
0	0	[illegible]	1	[illegible]	Oct 17 12 10 AM '61
0	0	[illegible]	1	[illegible]	Oct 16 4 10 PM '61
0	0	[illegible]	1	[illegible]	Oct 16 8 10 AM '61
0	0	[illegible]	[illegible]	[illegible]	Oct 16 12 10 AM '61
0	0	[illegible]	[illegible]	[illegible]	Oct 15 4 10 PM '61
0	0	[illegible]	1	[illegible]	Oct 15 8 10 AM '61
0	0	[illegible]	[illegible]	[illegible]	Oct 15 12 10 AM '61
0	0	[illegible]	[illegible]	[illegible]	Oct 14 4 10 PM '61
0	0	[illegible]	[illegible]	[illegible]	Oct 14 8 10 AM '61
0	0	[illegible]	1	[illegible]	Oct 14 12 10 AM '61
0	0	[illegible]	1	1	Oct 13 4 10 PM '61
0	0	[illegible]	[illegible]	[illegible]	Oct 13 8 10 AM '61
0	0	[illegible]	1	[illegible]	Oct 13 12 10 AM '61
0	0	[illegible]	1	1	Oct 12 4 10 PM '61
0	0	[illegible]	[illegible]	[illegible]	Oct 12 8 10 AM '61
0	0	[illegible]	1	[illegible]	Oct 12 12 10 AM '61
0	0	[illegible]	1	[illegible]	Oct 11 4 10 PM '61
0	0	[illegible]	[illegible]	[illegible]	Oct 11 8 10 AM '61
0	0	[illegible]	[illegible]	[illegible]	Oct 11 12 10 AM '61
0	0	[illegible]	1	[illegible]	Oct 10 4 10 PM '61
0	0	[illegible]	2	[illegible]	Oct 10 8 10 AM '61
0	0	[illegible]	[illegible]	[illegible]	Oct 10 12 10 AM '61
0	0	[illegible]	[illegible]	[illegible]	Oct 9 4 10 PM '61

0	0	0	1	2	Oct 11 12 10 AM '61
0	0	0	1	2	Oct 10 4 10 PM '61
0	0	0	2	0	Oct 10 8 10 AM '61
0	0	0	2	2	Oct 10 12 10 AM '61
0	0	0	1	2	Oct 9 4 10 PM '61
0	0	0	3	1	Oct 9 8 10 AM '61
0	0	0	1	0	Oct 9 12 10 AM '61
0	0	0	1	1	Oct 8 4 10 PM '61
0	0	0	2	7	Oct 8 8 10 AM '61
0	0	0	1	2	Oct 8 12 10 AM '61
0	0	0	1	1	Oct 7 4 10 PM '61
0	0	0	2	4	Oct 7 8 10 AM '61
0	0	0	1	4	Oct 7 12 00 AM '61
0	0	0	0	0	Oct 6 4 00 PM '61
0	0	0	4	1	Oct 6 8 00 AM '61
0	0	0	1	2	Oct 6 12 00 AM '61
0	0	0	0	7	Oct 5 4 00 PM '61
0	0	0	1	8	Oct 5 8 00 AM '61
0	0	0	0	8	Oct 5 12 00 AM '61
0	0	0	0	0	Oct 4 4 00 PM '61
0	0	0	1	0	Oct 4 8 00 AM '61
0	0	0	0	0	Oct 4 12 00 AM '61
0	0	0	0	4	Oct 3 4 00 PM '61
0	0	0	0	0	Oct 3 8 00 AM '61
0	0	0	0	0	Oct 3 12 00 AM '61
0	0	0	0	0	Oct 2 4 00 PM '61
0	0	0	1	0	Oct 2 8 00 AM '61

all valid

89 samples
0 7 PAL

NO 6,
1401 Comp. shop

0 0 0 0 7	Sep 30 4 01 PM '61
0 0 0 3 6	Sep 30 8 01 AM '61
0 0 0 0 2	Sep 30 12 31 AM '61
0 0 0 1 3	Sep 30 12 01 AM '61
0 0 0 0 1	Sep 29 4 31 PM '61
0 0 0 0 8	Sep 29 4 01 PM '61
0 0 0 4 0	Sep 29 8 01 AM '61
0 0 0 1 6	Sep 29 12 01 AM '61
0 0 0 0 1	Sep 28 4 31 PM '61
0 0 0 1 1	Sep 28 4 01 PM '61
0 0 0 3 4	Sep 28 8 01 AM '61
~~0 0 0 0 2~~	~~Sep 28 12 31 AM '61~~
~~0 0 0 1 6~~	~~Sep 28 12 01 AM '61~~
~~0 0 0 0 8~~	~~Sep 27 4 01 PM '61~~
~~0 0 0 0 2~~	~~Sep 27 8 30 AM '61~~

1 men shop 7-61

OUT OF SERVICE

0 0 0 0 7	Sep 22 12 05 PM '61
0 0 0 1 6	Sep 22 4 05 AM '61
0 0 0 3 8	Sep 21 8 05 PM '61
0 0 0 1 1	Sep 21 12 05 PM '61
0 0 0 0 5	Sep 21 4 05 AM '61
0 0 0 1 4	Sep 20 8 05 PM '61
0 0 0 1 2	Sep 20 12 10 PM '61
0 0 0 0 0	Sep 20 4 40 AM '61
0 0 0 0 6	Sep 20 4 10 AM '61
0 0 0 2 5	Sep 19 8 10 PM '61
0 0 0 0 1	Sep 19 12 40 PM '61
0 0 0 1 1	Sep 19 12 10 PM '61
0 0 0 0 0	Sep 19 4 40 AM '61
0 0 0 0 4	Sep 19 4 10 AM '61
0 0 0 0 4	Sep 18 8 05 PM '61

0 0 0 0 4	Sep 19 4 10 AM '61
0 0 0 0 4	Sep 18 8 09 PM '61
0 0 0 0 5	~~Sep 18 6 12 PM '61~~
0 0 0 0 2	~~Sep 18 6 11 PM '61~~
0 0 0 1 3	~~Sep 18 6 10 PM '61~~
0 0 0 0 0	Sep 18 6 00 PM '61
0 0 0 1 4	~~Sep 18 6 00 PM '61~~
0 0 0 0 0	~~Sep 18 5 58 PM '61~~
0 0 0 2 1	~~Sep 18 5 58 PM '61~~
0 0 0 0 2	Sep 18 12 00 PM '61
0 0 0 0 0	Sep 18 4 30 AM '61
0 0 0 0 3	Sep 18 4 00 AM '61
0 0 0 0 2	Sep 17 8 00 PM '61
0 0 0 0 0	Sep 17 12 30 PM '61
0 0 0 0 3	Sep 17 12 00 PM '61
0 0 0 0 0	Sep 17 4 30 AM '61
0 0 0 0 2	Sep 17 4 00 AM '61
0 0 0 0 3	Sep 16 8 00 PM '61
0 0 0 0 2	Sep 16 12 00 PM '61
0 0 0 0 5	Sep 16 4 00 AM '61
0 0 0 0 1	Sep 15 8 30 PM '61
0 0 0 1 0	Sep 15 8 00 PM '61
0 0 0 0 5	Sep 15 12 00 PM '61
0 0 0 0 6	Sep 15 4 00 AM '61
0 0 0 1 3	Sep 14 8 00 PM '61

Re-set Date stamp. 9-14-61 9:15 AM.

Re-set Date stamp. 9-14-61 9:15 AM.

0 0 0 0 8	Aug 14 12 00 PM '61
0 0 0 0 5	Aug 14 4 00 AM '61
0 0 0 2 2	Aug 13 8 00 PM '61
0 0 0 0 4	Aug 13 12 00 PM '61
0 0 0 0 5	Aug 13 4 00 AM '61
0 0 0 2 3	Aug 12 8 00 PM '61
0 0 0 0 9	Aug 12 12 00 PM '61
0 0 0 0 4	Aug 12 4 00 AM '61
0 0 0 2 0	Aug 11 8 00 PM '61
0 0 0 0 5	Aug 11 12 00 PM '61
0 0 0 0 3	Aug 11 4 00 AM '61
0 0 0 1 9	Aug 10 8 00 PM '61
0 0 0 0 3	Aug 10 12 00 PM '61
0 0 0 0 5	Aug 10 4 00 AM '61
0 0 0 2 1	Aug 9 8 00 PM '61
0 0 0 0 6	Aug 9 12 00 PM '61
0 0 0 0 3	Aug 9 4 00 AM '61
0 0 0 2 0	Aug 8 8 00 PM '61
0 0 0 0 7	Aug 8 12 00 PM '61
0 0 0 0 3	Aug 8 4 00 AM '61
0 0 0 1 3	Aug 7 8 00 PM '61
0 0 0 0 5	Aug 7 12 00 PM '61
0 0 0 0 4	Aug 7 4 00 AM '61
0 0 0 1 6	Aug 6 8 00 PM '61
~~0 0 0 0 8~~	~~Aug 36 12 00 PM '61~~
~~0 0 0 0 4~~	~~Aug 35 4 00 AM '61~~
[illegible]	[illegible]

DATE STAMP APPARENTLY STAMPING AUGUST 1 INSTEAD OF SEPT 1.

0 0 0 0 7	Aug 8 12 00 PM '61
0 0 0 0 3	Aug 8 4 00 AM '61
0 0 0 1 3	Aug 7 8 00 PM '61
0 0 0 0 5	Aug 7 12 00 PM '61
0 0 0 0 4	Aug 7 4 00 AM '61
0 0 0 1 6	Aug 6 8 00 PM '61
~~0 0 0 0 8~~	~~Aug 36 12 00 PM '61~~
~~0 0 0 0 4~~	~~Aug 35 4 00 AM '61~~
~~0 0 0 1 7~~	~~Aug 35 8 00 PM '61~~
~~0 0 0 0 7~~	~~Aug 35 12 00 PM '61~~
~~0 0 0 0 3~~	~~Aug 35 4 00 AM '61~~
~~0 0 0 1 1~~	~~Aug 34 8 00 PM '61~~
~~0 0 0 0 4~~	~~Aug 34 12 00 PM '61~~
~~0 0 0 0 3~~	~~Aug 34 4 00 AM '61~~
~~0 0 0 1 3~~	~~Aug 33 8 00 PM '61~~
~~0 0 0 0 7~~	~~Aug 33 12 00 PM '61~~
~~0 0 0 0 3~~	~~Aug 33 4 00 AM '61~~
~~0 0 0 0 5~~	~~Aug 32 8 00 PM '61~~

Total Act. 6.13 No of Samples 66
Av. Act. 0.09 Not P.A.L. 0
% > P.A.L. 0

1401 Spurman Machining Area
Sept 1961

No 6. 1401 Comp Shop
10-2-61

0	0	0	0	0	Sep 31 12 00 AM '61
0	0	0	0	0	Sep 30 4 00 PM '61
0	0	0	0	0	Sep 30 8 00 AM '61
0	0	0	0	0	Sep 30 12 00 AM '61
0	0	0	0	0	Sep 29 4 00 PM '61
0	0	0	2	0	Sep 29 8 00 AM '61
0	0	0	1	2	Sep 29 12 00 AM '61
0	0	0	0	0	Sep 28 4 00 PM '61
0	0	0	2	0	Sep 28 8 00 AM '61
0	0	0	1	0	Sep 28 12 00 AM '61
0	0	0	0	7	Sep 27 4 00 PM '61
0	0	0	2	0	Sep 27 8 00 AM '61
0	0	0	1	0	Sep 27 12 00 AM '61
0	0	0	0	0	Sep 26 4 00 PM '61
0	0	0	0	0	Sep 26 8 00 AM '61
0	0	0	0	0	Sep 26 12 00 AM '61
0	0	0	0	0	Sep 25 4 00 PM '61
0	0	0	2	0	Sep 25 8 00 AM '61
0	0	0	1	1	Sep 25 12 00 AM '61
0	0	0	0	7	Sep 24 4 00 PM '61
0	0	0	2	0	Sep 24 8 00 AM '61
0	0	0	0	0	Sep 24 12 00 AM '61
0	0	0	0	0	Sep 23 4 00 PM '61
0	0	0	2	1	Sep 23 8 00 AM '61
0	0	0	0	2	Sep 23 12 00 AM '61
0	0	0	0	7	Sep 22 4 00 PM '61
0	0	0	2	0	Sep 22 8 00 AM '61
0	0	0	1	0	Sep 22 12 00 AM '61
0	0	0	0	7	Sep 21 4 00 PM '61
0	0	0	2	2	Sep 21 8 00 AM '61
0	0	0	1	0	Sep 21 12 00 AM '61
0	0	0	0	0	Sep 20 4 00 PM '61
0	0	0	1	2	Sep 20 8 00 AM '61
0	0	0	1	0	Sep 20 12 00 AM '61
0	0	0	0	7	Sep 19 4 00 PM '61
0	0	0	1	0	Sep 19 8 00 AM '61
0	0	0	0	0	Sep 19 12 00 AM '61
					Sep 18 4 00 PM '61

0	0	0	0	7	Sep 19 4 00 PM '61
0	0	0	1	0	Sep 19 8 00 AM '61
0	0	0	0	1	Sep 19 12 00 AM '61
0	0	0	0	1	Sep 18 4 00 PM '61
0	0	0	2	2	Sep 18 8 00 AM '61
0	0	0	1	2	Sep 18 12 00 AM '61
0	0	0	0	0	Sep 17 4 00 PM '61
0	0	0	2	0	Sep 17 8 00 AM '61
0	0	0	1	0	Sep 17 12 00 AM '61
0	0	0	0	0	Sep 16 4 00 PM '61
0	0	0	1	7	Sep 16 8 00 AM '61
0	0	0	0	7	Sep 16 12 00 AM '61
0	0	0	0	2	Sep 15 4 00 PM '61
0	0	0	0	0	Sep 15 8 00 AM '61
0	0	0	0	2	Sep 15 12 00 AM '61
0	0	0	0	2	Sep 14 4 00 PM '61
0	0	0	0	7	Sep 14 8 00 AM '61
0	0	0	0	4	Sep 14 12 00 AM '61
0	0	0	0	5	Sep 13 4 00 PM '61
0	0	0	1	0	Sep 13 8 00 AM '61
0	0	0	0	0	Sep 13 12 00 AM '61
0	0	0	0	0	Sep 12 4 00 PM '61
0	0	0	1	0	Sep 12 8 00 AM '61
0	0	0	0	7	Sep 12 12 00 AM '61
0	0	0	0	7	Sep 11 4 00 PM '61
0	0	0	1	6	Sep 11 8 00 AM '61
0	0	0	1	0	Sep 11 12 00 AM '61
0	0	0	0	0	Sep 10 4 00 PM '61
0	0	0	2	0	Sep 10 8 00 AM '61
0	0	0	1	0	Sep 10 12 00 AM '61
0	0	0	0	0	Sep 9 4 00 PM '61
0	0	0	1	2	Sep 9 8 00 AM '61
0	0	0	0	0	Sep 9 12 00 AM '61
0	0	0	0	1	Sep 8 4 00 PM '61
0	0	0	1	4	Sep 8 8 00 AM '61
0	0	0	0	0	Sep 8 12 00 AM '61
0	0	0	0	2	Sep 7 4 00 PM '61
0	0	0	2	[illegible]	Sep 7 8 00 AM '61

0	0	0	0	2	Sep 9 12 00 AM '61
0	0	0	0	1	Sep 8 4 00 PM '61
0	0	0	1	4	Sep 8 8 00 AM '61
0	0	0	0	1	Sep 8 12 00 AM '61
0	0	0	0	3	Sep 7 4 00 PM '61
0	0	0	2	4	Sep 7 8 00 AM '61
0	0	0	1	1	Sep 7 12 00 AM '61
0	0	0	0	1	Sep 6 4 00 PM '61
0	0	0	1	0	Sep 6 8 00 AM '61
0	0	0	0	0	Sep 6 12 00 AM '61
0	0	0	0	0	Sep 5 4 00 PM '61
0	0	0	1	7	Sep 5 8 00 AM '61
0	0	0	1	1	Sep 5 12 00 AM '61
0	0	0	0	0	Sep 4 4 00 PM '61
0	0	0	1	9	Sep 4 8 00 AM '61
0	0	0	0	7	Sep 4 12 00 AM '61
0	0	0	0	5	Sep 3 4 00 PM '61
0	0	0	1	0	Sep 3 8 00 AM '61
0	0	0	0	4	Sep 3 12 00 AM '61
0	0	0	0	2	Sep 2 4 00 PM '61
0	0	0	1	2	Sep 2 8 00 AM '61
0	0	0	0	0	Sep 2 12 00 AM '61
0	0	0	0	2	Sep 1 4 00 PM '61
0	0	0	0	2	Sep 1 8 00 AM '61

19-1-6
Fly's warehouse
Total
#6 amounts
Corrected Time

1371

Totals Act 9.57
Av. Act. 0.11

No of Samples 90
No > PAL 0
% PAL 0

0 0 0 1 0	Sep 3 0 00 AM 61
0 0 0 0 4	Sep 3 12 00 AM '61
0 0 0 0 2	Sep 2 4 00 PM '61
0 0 0 1 2	Sep 2 [illegible] 00 AM '61
0 0 0 0 [illegible]	Sep 2 12 00 [illegible] '61
0 0 0 0 2	Sep 1 4 00 PM '61
0 0 0 0 2	Sep 1 [illegible] 00 AM '61

19-1-26
Bags numbered
1 of 1
Expected 9#

Corrected Time

1311

Totals Act 9.57 No of Samples 90
Av. Act. 0.11 No > PAL 0
% PAL 0

R1401 Composited Slaf.
Sept 1961

#70 Sorosita
K 1401 -
Jacinto Flechsing
Texas

0 0 0 0 3	~~Aug 30 12 00 PM '61~~
~~0 0 0 0 5~~	~~Aug 30 4 00 AM '61~~
~~0 0 0 0 3~~	~~Aug 30 8 00 PM '61~~

~~0 0 0 0 1 4~~	~~Aug 31 3 49 PM '61~~
~~0 0 0 0 5~~	~~Aug 30 4 04 PM '61~~
~~0 0 0 0 2~~	~~Aug 30 8 01 AM '61~~

Power of 4

New Roll
8-29-61

0 0 0 0 3	Aug 30 12 01 AM '61
0 0 0 0 4	Aug 29 4 01 PM '61
0 0 0 1 4	Aug 29 8 01 AM '61

0 0 0 0 5	Aug 29 12 01 AM '61
0 0 0 0 4	Aug 29 4 01 PM '61
0 0 0 1 4	Aug 29 8 01 AM '61
0 0 0 0 7	Aug 29 12 01 AM '61
0 0 0 0 5	Aug 28 4 01 PM '61
0 0 0 1 4	Aug 28 8 01 AM '61
0 0 0 0 7	Aug 28 12 01 AM '61
0 0 0 0 5	Aug 27 4 01 PM '61
0 0 0 1 0	Aug 27 8 01 AM '61
0 0 0 0 6	Aug 27 12 01 AM '61
0 0 0 0 5	Aug 26 4 01 PM '61
0 0 0 0 7	Aug 26 8 01 AM '61
0 0 0 0 5	Aug 26 12 01 AM '61
0 0 0 0 5	Aug 25 4 01 PM '61
0 0 0 0 6	Aug 25 8 01 AM '61

Bill Fay
Hotel Co. of Oregon
for Dr. Alexander

0 0 0 0 5	Aug 25 12 01 AM '61
0 0 0 0 8	Aug 24 4 01 PM '61
0 0 0 1 8	Aug 24 8 01 AM '61
0 0 0 0 8	Aug 24 12 01 AM '61
0 0 0 0 9	Aug 23 4 01 PM '61
0 0 0 1 8	Aug 23 8 01 AM '61
0 0 0 0 9	Aug 23 12 01 AM '61
0 0 0 0 5	Aug 22 4 01 PM '61
0 0 0 3 0	Aug 22 8 01 AM '61

Officers Fees
for Public Defender
Courtroom
Kennewick Court
Kennewick

0 0 0 0 8	Aug 22 12 01 AM '61

0	0	0	0	8	Aug 22 12 01 AM '61
0	0	0	0	9	Aug 21 4 01 PM '61
0	0	0	2	8	Aug 21 8 01 AM '61
0	0	0	1	4	Aug 21 12 01 AM '61
0	0	0	0	6	Aug 20 4 01 PM '61
0	0	0	1	4	Aug 20 8 01 AM '61
0	0	0	1	0	Aug 20 12 01 AM '61
0	0	0	0	7	Aug 19 4 01 PM '61
0	0	0	2	7	Aug 19 8 01 AM '61
0	0	0	1	1	Aug 19 12 01 AM '61
0	0	0	0	9	Aug 18 4 01 PM '61
0	0	0	2	7	Aug 18 8 01 AM '61
0	0	0	1	4	Aug 18 12 01 AM '61
0	0	0	0	8	Aug 17 4 01 PM '61
0	0	0	2	1	Aug 17 8 01 AM '61
0	0	0	1	1	Aug 17 12 01 AM '61
0	0	0	0	8	Aug 16 4 01 PM '61
0	0	0	2	6	Aug 16 8 01 AM '61
0	0	0	1	6	Aug 16 12 01 AM '61
0	0	0	0	7	Aug 15 4 01 PM '61
0	0	0	0	7	Aug 15 8 01 AM '61
0	0	0	0	7	Aug 15 12 01 AM '61
0	0	0	0	5	Aug 14 4 01 PM '61
0	0	0	0	7	Aug 14 8 01 AM '61
0	0	0	0	7	Aug 14 12 01 AM '61
0	0	0	0	6	Aug 13 4 01 PM '61
0	0	0	1	6	Aug 13 8 01 AM '61
0	0	0	0	8	Aug 13 12 01 AM '61
0	0	0	0	5	Aug 12 4 01 PM '61
0	0	0	1	3	Aug 12 8 01 AM '61
0	0	0	0	6	Aug 12 12 01 AM '61
0	0	0	0	6	Aug 11 4 01 PM '61
0	0	0	1	0	Aug 11 8 01 AM '61
0	0	0	0	6	Aug 11 12 01 AM '61
0	0	0	0	5	Aug 10 4 01 PM '61
0	0	0	0	6	Aug 10 8 01 AM '61

0	0	0	0	7	Aug 14 4 01 PM '61
0	0	0	0	7	Aug 14 8 01 AM '61
0	0	0	0	6	Aug 14 12 01 AM '61
0	0	0	1	6	Aug 13 4 01 PM '61
0	0	0	0	8	Aug 13 8 01 AM '61
0	0	0	0	5	Aug 13 12 01 AM '61
0	0	0	1	3	Aug 12 4 01 PM '61
0	0	0	0	6	Aug 12 8 01 AM '61
0	0	0	0	6	Aug 12 12 01 AM '61
0	0	0	1	0	Aug 11 4 01 PM '61
0	0	0	0	6	Aug 11 8 01 AM '61
0	0	0	0	5	Aug 11 12 01 AM '61
0	0	0	0	6	Aug 10 4 01 PM '61
0	0	0	0	6	Aug 10 8 01 AM '61
0	0	0	0	5	Aug 10 12 01 AM '61
0	0	0	0	4	Aug 9 4 01 PM '61
0	0	0	0	5	Aug 9 8 01 AM '61
0	0	0	0	3	Aug 9 12 01 AM '61
0	0	0	0	5	Aug 8 4 01 PM '61
0	0	0	0	5	Aug 8 8 01 AM '61
0	0	0	0	5	Aug 8 12 01 AM '61
0	0	0	1	5	Aug 7 4 01 PM '61
0	0	0	0	8	Aug 7 8 01 AM '61
0	0	0	0	5	Aug 7 12 01 AM '61
0	0	0	2	1	Aug 6 4 01 PM '61
0	0	0	1	0	Aug 6 8 01 AM '61
0	0	0	0	4	Aug 6 12 01 AM '61
0	0	0	1	3	Aug 5 4 01 PM '61
0	0	0	0	8	Aug 5 8 01 AM '61
0	0	0	0	6	Aug 5 12 01 AM '61
~~0~~	~~0~~	~~0~~	~~0~~	~~0~~	~~Aug 4 8 01 AM '61~~
0	0	0	0	1	Aug 4 8 01 AM '61

TOT. ACT. = 7.4 NO. SAMPLES = 78
AV. ACT. = 0.09 NO. > PAL = 0
NO. > PAL = 0

K-1401 Specimen
Machining Area
AUG 1961

#6 Inventor
K-1401 Compression Ship.

0 0 0 0 5	Aug 31 11 57 PM '61
0 0 0 0 5	Aug 31 3 57 PM '61
0 0 0 0 5	Aug 31 7 57 AM '61
~~0 0 0 0 5~~	~~Aug 31 7 59 AM '61~~
0 0 0 0 5	Aug 31 12 0 AM '61
0 0 0 0 6	Aug 30 4 09 PM '61
0 0 0 1 6	Aug 30 8 09 AM '61
0 0 0 0 7	Aug 30 12 09 AM '61
0 0 0 0 8	Aug 29 4 09 PM '61
0 0 0 1 8	Aug 29 8 09 AM '61
0 0 0 0 7	Aug 29 12 09 AM '61
0 0 0 0 9	Aug 28 4 0 PM '61
0 0 0 1 2	Aug 28 8 09 AM '61
0 0 0 0 7	Aug 28 12 09 AM '61
0 0 0 0 9	Aug 27 4 09 PM '61
0 0 0 1 5	Aug 27 8 09 AM '61
0 0 0 0 0	Aug 27 12 09 AM '61
0 0 0 0 2	Aug 26 4 09 PM '61
0 0 0 0 2	Aug 26 7 59 AM '61
0 0 0 0 4	Aug 25 11 59 PM '61
0 0 0 0 0	Aug 25 3 59 PM '61
0 0 0 0 0	Aug 25 7 59 AM '61
0 0 0 0 0	Aug 24 11 59 PM '61
0 0 0 0 0	Aug 24 3 59 PM '61
0 0 0 0 0	Aug 24 7 59 AM '61
0 0 0 0 0	Aug 23 11 59 PM '61
0 0 0 0 0	Aug 23 3 59 PM '61
0 0 0 1 4	Aug 23 7 59 AM '61
0 0 0 0 0	Aug 22 11 59 PM '61
0 0 0 0 0	Aug 22 3 59 PM '61
0 0 0 1 0	Aug 22 7 59 AM '61
0 0 0 0 0	Aug 21 11 59 PM '61
0 0 0 0 0	Aug 21 3 59 PM '61
	Aug 21 7 [illegible] AM '61

Reset and Start in Counter

0 0 0 1 4	Aug 23 7 59 AM '61
0 0 0 0 [illegible]	Aug 22 11 59 PM '61
0 0 0 0 [illegible]	Aug 22 3 59 PM '61
0 0 0 1 [illegible]	Aug 22 7 59 AM '61
0 0 0 0 [illegible]	Aug 21 11 59 PM '61
0 0 0 0 0	Aug 21 3 59 PM '61
0 0 0 0 [illegible]	Aug 21 7 59 AM '61
0 0 0 0 4	Aug 20 11 59 PM '61
0 0 0 0 7	Aug 20 3 59 PM '61
0 0 0 2 4	Aug 20 7 59 AM '61
0 0 0 1 0	Aug 19 11 59 PM '61
0 0 0 0 [illegible]	Aug 19 3 59 PM '61
0 0 0 1 0	Aug 19 7 59 AM '61
0 0 0 0 [illegible]	Aug 18 11 59 PM '61
0 0 0 0 2	Aug 18 3 59 PM '61
~~0 0 [illegible]~~	~~Aug 18 8 59 AM '61~~
0 0 0 0 [illegible]	Aug 19 12 11 AM '61
0 0 0 0 [illegible]	Aug 17 4 11 PM '61
0 0 0 2 4	Aug 17 8 11 AM '61
0 0 0 1 1	Aug 17 12 11 AM '61
0 0 0 0 [illegible]	Aug 16 4 11 PM '61
0 0 0 1 7	Aug 16 8 11 AM '61
0 0 0 0 7	Aug 16 12 11 AM '61
0 0 0 0 7	Aug 15 4 11 PM '61
0 0 0 2 [illegible]	Aug 15 8 11 AM '61
0 0 0 1 1	Aug 15 12 11 AM '61
0 0 0 1 [illegible]	Aug 14 4 11 PM '61
0 0 0 0 [illegible]	Aug 14 8 11 AM '61
0 0 0 0	Aug 14 12 11 AM '61
0 0 0 0 [illegible]	Aug 13 4 11 PM '61
0 0 0 0 0	Aug 13 8 11 AM '61
0 0 0 0 [illegible]	Aug 13 12 11 AM '61
0 0 0 0 [illegible]	Aug 12 4 11 PM '61
0 0 0 1 [illegible]	Aug 12 8 11 AM '61
0 0 0 0 [illegible]	Aug 12 12 11 AM '61
0 0 0 0 [illegible]	Aug 11 4 11 PM '61
0 0 0 1 [illegible]	Aug 11 [illegible] 01 AM '61
0 0 0 0 [illegible]	Aug 11 12 01 AM '61
	Aug 10 4 01 PM '61

Meter reading 8/15/61

0 0 0 0 4	Aug 11	4	11	PM '61
0 0 0 0 [illegible]	Aug 11	[illegible]	01	AM '61
0 0 0 0 [illegible]	Aug 11	12	01	AM '61
0 0 0 0 [illegible]	Aug 10	4	01	PM '61
0 0 0 0 [illegible]	Aug 10	[illegible]	01	AM '61
0 0 0 0 [illegible]	Aug 10	12	01	AM '61
0 0 0 0 [illegible]	Aug 9	4	01	PM '61
0 0 0 0 [illegible]	Aug 9	[illegible]	01	AM '61
0 0 0 0 [illegible]	Aug 9	12	01	AM '61
0 0 0 0 [illegible]	Aug 8	4	01	PM '61
0 0 0 0 [illegible]	Aug 8	8	25	AM '61
0 0 0 0 [illegible]	~~Aug 7~~	~~7~~	~~55~~	~~AM '61~~
0 0 0 0 [illegible]	~~Aug 6~~	~~11~~	~~55~~	~~PM '61~~
0 0 0 0 [illegible]	~~Aug 6~~	~~3~~	~~55~~	~~PM '61~~
0 0 0 0 [illegible]	~~Aug 6~~	~~7~~	~~55~~	~~AM '61~~
0 0 0 0 [illegible]	~~Aug 5~~	~~11~~	~~55~~	~~PM '61~~
0 0 0 0 [illegible]	~~Aug 5~~	~~3~~	~~55~~	~~PM '61~~
0 0 0 0 [illegible]	~~Aug 5~~	~~7~~	~~55~~	~~AM '61~~
0 0 0 0 [illegible]	~~Aug 4~~	~~11~~	~~55~~	~~PM '61~~
0 0 0 0 [illegible]	~~Aug 4~~	~~3~~	~~55~~	~~PM '61~~
0 0 0 0 [illegible]	~~Aug 4~~	~~8~~	~~15~~	~~AM '61~~
0 0 0 0 [illegible]	~~Aug 4~~	~~8~~	~~15~~	~~AM '61~~
0 0 0 0 [illegible]	~~Aug 4~~	~~8~~	~~15~~	~~AM '61~~
0 0 0 0 [illegible]	~~Aug 4~~	~~7~~	~~55~~	~~AM '61~~
0 0 0 0 [illegible]	~~Aug 3~~	~~11~~	~~55~~	~~PM '61~~
0 0 0 0 [illegible]	~~Aug 3~~	~~3~~	~~55~~	~~PM '61~~
0 0 0 0 [illegible]	~~Aug 3~~	~~7~~	~~55~~	~~AM '61~~
0 0 0 0 [illegible]	~~Aug 2~~	~~11~~	~~55~~	~~PM '61~~
0 0 0 0 [illegible]	~~Aug 2~~	~~4~~	~~21~~	~~PM '61~~
0 0 0 0 [illegible]	~~Aug 2~~	~~3~~	~~55~~	~~PM '61~~
0 0 0 0 [illegible]	~~Aug 2~~	~~7~~	~~55~~	~~AM '61~~
0 0 0 0 [illegible]	Aug 2	12	08	AM '61
0 0 0 0 [illegible]	Aug 1	4	08	PM '61

Removed in Dec 1961 Pending Completion of Purchase

Deed recd. Mr Connolly June 1, 1961 Bus & Prof Code

All records 1901-1961 Comp. Stat. 8-7-61

0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0

~~Aug~~	~~4~~	~~11~~	~~55 PM '61~~
~~Aug~~	~~4~~	~~3~~	~~55 PM '61~~
~~Aug~~	~~4~~	~~8~~	~~15 AM '61~~
~~Aug~~	~~4~~	~~8~~	~~15 AM '61~~
~~Aug~~	~~4~~	~~8~~	~~15 AM '61~~
~~Aug~~	~~4~~	~~7~~	~~55 AM '61~~
~~Aug~~	~~3~~	~~11~~	~~55 PM '61~~
~~Aug~~	~~3~~	~~3~~	~~55 PM '61~~
~~Aug~~	~~3~~	~~7~~	~~55 AM '61~~
~~Aug~~	~~2~~	~~11~~	~~55 PM '61~~
~~Aug~~	~~2~~	~~4~~	~~21 PM '61~~
~~Aug~~	~~2~~	~~3~~	~~55 PM '61~~
~~Aug~~	~~2~~	~~7~~	~~55 AM '61~~
Aug	2	12	08 AM '61
Aug	1	4	08 PM '61

Read and Understood
Date 12 Aug 61
Signature [illegible]

1978
Aug. 5 Fri
1401
All Samples expired

Consider all valid that were not voided by limit.

B. [illegible]

TOT. ACT. = 5.4 NO. SAMPLES = 70
AV. ACT. = 0.08 NO. > PAL = 0
% > PAL = 0

AUG '61
K-1401
Comp. Shop

#6 Monitor
1401 Axial Flow Comp Shop

0	0	0	0	0	Jul 32	12	08	AM '61
0	0	0	0	4	Jul 31	4	08	PM '61
0	0	0	1	2	Jul 31	8	08	AM '61
0	0	0	0	0	Jul 31	12	08	AM '61
0	0	0	0	0	Jul 30	4	08	PM '61
0	0	0	1	0	Jul 30	8	08	AM '61
0	0	0	0	4	Jul 30	12	08	AM '61
0	0	0	0	7	Jul 29	4	08	PM '61
0	0	0	1	0	Jul 29	8	08	AM '61
0	0	0	0	0	Jul 29	12	08	AM '61
0	0	0	0	7	Jul 28	4	08	PM '61
0	0	0	1	4	Jul 28	8	08	AM '61
0	0	0	0	0	Jul 28	12	08	AM '61
0	0	0	0	0	Jul 27	4	08	PM '61
0	0	0	0	4	Jul 27	8	08	AM '61
0	0	0	0	0	Jul 27	12	08	AM '61
0	0	0	0	4	Jul 26	4	08	PM '61
0	0	0	1	2	Jul 26	8	08	AM '61
0	0	0	0	0	Jul 26	12	08	AM '61
0	0	0	0	2	Jul 25	4	08	PM '61
0	0	0	0	0	Jul 25	8	08	AM '61
0	0	0	0	0	Jul 25	12	08	AM '61
0	0	0	0	2	Jul 24	4	08	PM '61
0	0	0	0	0	Jul 24	8	08	AM '61
0	0	0	0	4	Jul 24	12	08	AM '61
0	0	0	0	0	Jul 23	4	08	PM '61
0	0	0	0	0	Jul 23	8	08	AM '61
0	0	0	0	0	Jul 23	12	08	AM '61
0	0	0	0	4	Jul 22	4	08	PM '61
0	0	0	1	1	Jul 22	8	08	AM '61
0	0	0	0	0	Jul 22	12	08	AM '61
0	0	0	0	0	Jul 21	4	08	PM '61
0	0	0	0	7	Jul 21	8	0	AM '61
0	0	0	0	0	Jul 21	12	08	AM '61
0	0	0	0	2	Jul 20	4	08	PM '61
0	0	0	0	0	Jul 20	8	08	AM '61
0	0	0	0	0	Jul 20	12	08	AM '61
0	0	0	0	[illegible]	Jul 19	4	08	PM '61

0	0	0	0	[illegible]	Jul 20 4 08 PM '61
0	0	0	0	[illegible]	Jul 20 8 08 AM '61
0	0	0	0	[illegible]	Jul 20 12 08 AM '61
0	0	0	0	[illegible]	Jul 19 4 08 PM '61
0	0	0	0	[illegible]	Jul 19 8 08 AM '61
0	0	0	0	[illegible]	Jul 19 12 08 AM '61
0	0	0	0	[illegible]	Jul 18 4 08 PM '61
0	0	0	0	[illegible]	Jul 18 8 08 AM '61
0	0	0	0	[illegible]	Jul 18 12 08 AM '61
0	0	0	0	[illegible]	Jul 17 4 08 PM '61
0	0	0	0	[illegible]	Jul 17 8 08 AM '61
0	0	0	0	[illegible]	Jul 17 12 08 AM '61
0	0	0	0	[illegible]	Jul 16 4 08 PM '61
0	0	0	0	[illegible]	Jul 16 8 08 AM '61
0	0	0	0	[illegible]	Jul 16 12 08 AM '61
0	0	0	0	[illegible]	Jul 15 4 08 PM '61
0	0	0	0	[illegible]	Jul 15 8 08 AM '61
0	0	0	0	[illegible]	Jul 15 12 08 AM '61
0	0	0	0	[illegible]	Jul 14 4 08 PM '61
0	0	0	0	[illegible]	Jul 14 8 08 AM '61
0	0	0	0	[illegible]	Jul 14 12 08 AM '61
0	0	0	0	[illegible]	Jul 13 4 08 PM '61
0	0	0	0	[illegible]	Jul 13 8 08 AM '61
0	0	0	0	[illegible]	Jul 13 12 08 AM '61
0	0	0	0	[illegible]	Jul 12 4 08 PM '61
0	0	0	0	[illegible]	Jul 12 8 08 AM '61
0	0	0	0	[illegible]	Jul 12 12 08 AM '61
0	0	0	1	[illegible]	Jul 11 4 08 PM '61
0	0	0	2	[illegible]	Jul 11 8 08 AM '61
0	0	0	1	[illegible]	Jul 11 12 08 AM '61
0	0	0	0	[illegible]	Jul 10 4 08 PM '61
0	0	0	2	[illegible]	Jul 10 8 08 AM '61
0	0	0	0	[illegible]	Jul 10 12 08 AM '61
0	0	0	0	[illegible]	Jul 9 4 08 PM '61
0	0	0	1	[illegible]	Jul 9 8 08 AM '61
0	0	0	0	[illegible]	Jul 9 12 08 AM '61
0	0	0	0	[illegible]	Jul 8 4 08 PM '61
0	0	0	1	[illegible]	Jul 8 8 08 AM '61
0	0	0	[illegible]	[illegible]	Jul 8 12 08 AM '61

0	0	0	0	4	Jul	7	4	08	PM	'61
0	0	0	1	2	Jul	7	8	0	AM	'61
0	0	0	1	1	Jul	7	12	08	AM	'61
0	0	0	0	5	Jul	6	4	08	PM	'61
0	0	0	2	0	Jul	6	8	08	AM	'61
0	0	0	1	2	Jul	6	12	08	AM	'61
0	0	0	0	7	Jul	5	4	08	PM	'61
0	0	0	2	4	Jul	5	8	08	AM	'61
0	0	0	0	4	Jul	5	12	08	AM	'61
0	0	0	0	5	Jul	4	4	08	PM	'61
0	0	0	1	5	Jul	4	8	08	AM	'61
0	0	0	0	8	Jul	4	12	08	AM	'61
0	0	0	0	7	Jul	3	4	08	PM	'61
0	0	0	1	5	Jul	3	7	58	AM	'61

Consider all readings Valid
RHH

7-19-61

TOT. Act. = 6.1 NO. SAMPLES = 87
Av. Act. = 0.07 NO. > MAL = 0
% > MAL = 0

K-1401 A.F. Comp. Shop
JUL '61

No 6, 1400 / Comp Shop
7-2-61

0	0	0	1	3
0	0	0	0	7
0	0	0	2	5
0	0	0	1	2
0	0	0	0	0
0	0	0	0	0
0	0	0	0	2
0	0	0	0	2
0	0	0	0	0
0	0	0	0	3
0	0	0	0	2
0	0	0	0	0
0	0	0	0	2
0	0	0	0	3
0	0	0	0	4
0	0	0	0	2
0	0	0	0	1
0	0	0	0	0
0	0	0	0	3
0	0	0	0	1
0	0	0	0	4
0	0	0	0	2
0	0	0	0	1
0	0	0	0	3
0	0	0	0	1
0	0	0	0	2
0	0	0	0	1
0	0	0	0	1
0	0	0	0	1
0	0	0	0	1
0	0	0	0	1
0	0	0	0	3
0	0	0	0	0
0	0	0	0	2
0	0	0	0	1

Jun 30	11 58	PM '61
Jun 30	3 58	PM '61
Jun 30	7 58	AM '61
Jun 29	11 58	PM '61
Jun 29	3 58	PM '61
Jun 29	7 58	AM '61
Jun 28	11 59	PM '61
Jun 28	3 59	PM '61
Jun 28	7 58	AM '61
Jun 27	11 58	PM '61
Jun 27	3 59	PM '61
Jun 27	7 58	AM '61
Jun 26	11 58	PM '61
Jun 26	3 59	PM '61
Jun 26	7 59	AM '61
Jun 25	11 5[illegible]	PM '61
Jun 25	3 58	PM '61
Jun 25	7 58	AM '61
Jun 24	11 58	PM '61
Jun 24	3 58	PM '61
Jun 24	7 58	AM '61
Jun 23	11 58	PM '61
Jun 23	3 58	PM '61
Jun 23	7 58	AM '61
Jun 22	11 58	PM '61
Jun 22	3 58	PM '61
Jun 22	7 58	AM '61
Jun 21	11 58	PM '61
Jun 21	3 58	PM '61
Jun 21	7 58	AM '61
Jun 20	11 58	PM '61
Jun 20	3 58	PM '61
Jun 20	7 58	AM '61
Jun 19	11 58	PM '61
Jun 19	3 58	PM '61
Jun 19	9 00	AM '61

0 0 0 0 [illegible]	Jun 19 3 58 PM '61
0 0 0 0 [illegible]	Jun 19 9 00 AM '61
~~0 0 0 [illegible]~~	
0 0 0 0 0	Jun 19 9 2 AM '61
0 0 0 0 5	Jun 19 1 31 AM '61
0 0 0 0 3	Jun 18 5 31 PM '61
0 0 0 0 4	Jun 18 9 31 AM '61
0 0 0 0 2	Jun 18 1 31 AM '61
0 0 0 0 0	Jun 17 5 31 PM '61
0 0 0 0 2	Jun 17 9 31 AM '61
0 0 0 0 1	Jun 17 1 31 AM '61
0 0 0 0 1	Jun 16 5 31 PM '61
0 0 0 0 0	Jun 16 9 31 AM '61
0 0 0 0 2	Jun 16 1 31 AM '61
0 0 0 2 [illegible]	Jun 15 5 31 PM '61
0 0 0 0 1	Jun 15 9 31 AM '61
0 0 0 0 2	Jun 15 2 5 AM '61
0 0 0 1 4	Jun 14 6 [illegible] PM '61
0 0 0 0 4	Jun 14 10 59 AM '61
0 0 0 0 1	Jun 14 2 59 AM '61
0 0 0 1 0	Jun 13 6 [illegible] PM '61
0 0 0 1 1	Jun 13 10 [illegible] AM '61
0 0 0 1 5	Jun 13 3 29 AM '61
0 0 0 0 7	Jun 12 7 [illegible] PM '61
~~0 0 1 [illegible]~~	~~Jun 12 11 [illegible] AM '61~~
0 0 0 0 3	Jun 5 12 27 AM '61
0 0 0 0 [illegible]	Jun 4 4 27 PM '61
0 0 0 0 4	Jun 4 8 27 AM '61
0 0 0 0 1	Jun 4 12 27 AM '61
0 0 0 0 1	Jun 3 4 27 PM '61
0 0 0 0 0	Jun 3 8 27 AM '61
0 0 0 0 2	Jun 3 12 27 AM '61
0 0 0 1 1	Jun 2 4 27 PM '61
0 0 0 0 0	Jun 2 8 27 AM '61
~~0 0 0 0 1~~	~~Jun 2 1 17 PM '61~~
~~0 0 1 0 [illegible]~~	~~Jun 2 5 17 AM '61~~

0	0	0	0	3	Jun	5	12	27	AM	'61
0	0	0	0	1	Jun	4	4	27	PM	'61
0	0	0	0	4	Jun	4	8	27	AM	'61
0	0	0	0	1	Jun	4	12	27	AM	'61
0	0	0	0	1	Jun	3	4	27	PM	'61
0	0	0	0	0	Jun	3	8	27	AM	'61
0	0	0	0	2	Jun	3	12	27	AM	'61
0	0	0	1	1	Jun	2	4	27	PM	'61
0	0	0	0	0	Jun	2	8	27	AM	'61
~~0~~	~~0~~	~~0~~	~~0~~	~~1~~	~~Jun~~	~~2~~	~~1~~	~~17~~	~~PM~~	~~'61~~
~~0~~	~~0~~	~~1~~	~~0~~	~~4~~	~~Jun~~	~~2~~	~~5~~	~~17~~	~~AM~~	~~'61~~

CONSIDER ALL READINGS AS VALID

B.H.

TOT. ACT. = 3.0 NO. SAMPLES = 66

AV. ACT. = 0.05 NO. > PAL = 0

% > PAL = 0

K-1401

Comp Shop

JUN '61

No 6

140 1 HX12/ Fbw Shop

~~0 0 0 1 11~~	~~May 31 6 17 PM '61~~
~~0 0 0 0 [illegible]~~	~~May 31 1 17 PM '61~~
~~0 0 0 [illegible]~~	~~May 31 1 11 PM '61~~
0 0 0 0 7	May 31 7 59 AM '61
0 0 0 0 4	May 30 11 59 PM '61
0 0 0 1 1	May 30 3 59 PM '61
0 0 0 0 4	May 30 7 59 AM '61
0 0 0 0 3	May 29 11 59 PM '61
0 0 0 2 0	May 29 3 59 PM '61
0 0 0 1 1	May 29 7 59 AM '61
0 0 0 0 3	May 28 11 59 PM '61
0 0 0 0 2	May 28 3 59 PM '61
0 0 0 0 0	May 28 7 59 AM '61
0 0 0 0 3	May 27 11 59 PM '61
0 0 0 0 0	May 27 3 59 PM '61
0 0 0 0 3	May 27 7 59 AM '61
0 0 0 0 1	May 26 11 59 PM '61
0 0 0 0 4	May 26 3 59 PM '61
0 0 0 0 3	May 26 7 59 AM '61
0 0 0 0 2	May 25 11 59 PM '61
0 0 0 1 2	May 25 3 59 PM '61
~~0 0 0 0 0~~	~~May 25 7 59 AM '61~~
~~0 0 0 0 0~~	~~May 25 7 59 AM '61~~
~~0 0 0 0 0~~	~~May 25 7 59 AM '61~~
~~0 0 0 0 0~~	~~May 25 7 59 AM '61~~
~~0 0 0 0 0~~	~~May 25 7 59 AM '61~~
0 0 0 0 1	May 25 7 54 AM '61
0 0 0 0 1	May 24 11 54 PM '61
0 0 0 0 0	May 24 3 54 PM '61
0 0 0 0 0	May 24 7 54 AM '61
0 0	May 23 11 54 PM '61

C H E C K S ?

-198-

0 0 0 0 0	May 23 11 54 PM '61
0 0 0 0 0	May 23 3 54 PM '61
0 0 0 0 0	May 23 7 53 AM '61
0 0 0 0 0	May 22 11 53 PM '61
0 0 0 1 0	May 22 3 54 PM '61
0 0 0 0 1	May 22 7 53 AM '61
0 0 0 0 0	May 21 11 53 PM '61
0 0 0 0 1	May 21 3 54 PM '61
0 0 0 0 0	May 21 7 54 AM '61
0 0 0 0 1	May 20 11 53 PM '61
0 0 0 0 1	May 20 3 55 PM '61
0 0 0 0 2	May 20 7 55 AM '61
0 0 0 0 5	May 19 11 55 PM '61
0 0 0 4 4	May 19 3 55 PM '61
0 0 2 4 2	May 19 7 55 AM '61

Ft Hr Counter off
May 18, 1961 from 4:00 PM
Until 8:30 AM May 19 1961

0 0 0 0 1	May 18 7 53 AM '61
0 0 0 0 0	May 17 12 10 AM '61
0 0 0 0 0	May 17 11 53 PM '61
0 0 0 0 0	May 17 3 53 PM '61
0 0 0 0 0	May 17 7 53 AM '61
0 0 0 0 0	May 16 11 53 PM '61
0 0 0 0 0	May 16 3 53 PM '61
0 0 0 0 0	May 15 7 53 AM '61
0 0 0 0 0	May 15 11 53 PM '61
0 0 0 0 0	May 15 3 53 PM '61
0 0 0 0 0	May 15 8 1 AM '61
0 0 0 0 0	May 15 7 53 AM '61
0 0 0 0 1	May 14 11 53 PM '61
0 0 0 0 0	May 14 3 53 PM '61
0 0 0 0 0	May 14 7 53 AM '61

Total 1A 253

0 0 0 0 0	May 15 7 53 AM '61
0 0 0 0 1	May 14 11 53 PM '61
0 0 0 0 0	May 14 3 53 PM '61
0 0 0 0 0	May 14 7 53 AM '61
0 0 0 0 0	May 13 11 53 PM '61
0 0 0 0 1	May 13 3 53 PM '61
0 0 0 0 1	May 13 7 53 AM '61
0 0 0 0 0	May 13 12 18 AM '61
0 0 0 0 2	May 12 11 53 PM '61
0 0 0 0 0	May 12 4 06 PM '61
0 0 0 0 0	May 12 8 06 AM '61
0 0 0 0 1	May 12 12 06 AM '61
0 0 0 4 4	May 11 4 06 PM '61
0 0 0 0 4	May 11 8 06 AM '61
0 0 0 0 1	May 10 11 59 PM '61
0 0 0 4 4	May 10 3 59 PM '61
0 0 0 0 2	May 10 7 59 AM '61
0 0 0 0 2	May 9 11 59 PM '61
0 0 0 3 7	May 9 3 59 PM '61
0 0 0 0 2	May 9 7 59 AM '61
0 0 0 0 2	May 8 11 59 PM '61
0 0 0 1 0	May 8 3 59 PM '61
0 0 0 0 1	May 8 7 59 AM '61
0 0 0 0 3	May 8 12 29 AM '61
0 0 0 0 2	May 7 4 29 PM '61
0 0 0 0 0	May 7 8 29 AM '61
0 0 0 0 3	May 7 12 29 AM '61
0 0 0 0 1	May 6 4 29 PM '61
0 0 0 0 4	May 6 8 29 AM '61
0 0 0 0 2	May 6 12 29 AM '61
0 0 0 1 0	May 5 4 29 PM '61
0 0 0 0 0	May 5 8 29 AM '61
0 0 0 0 2	May 4 11 59 PM '61
0 0 0 0 0	May 4 3 59 PM '61
0 0 0 1 0	May 4 7 59 AM '61
0 0 0 0 0	May 3 11 59 PM '61
0 0 [illegible]	May 3 3 59 PM '61

0	0	0	0	3	May 7 12 29 AM '61
0	0	0	0	1	May 6 4 29 PM '61
0	0	0	0	4	May 6 8 29 AM '61
0	0	0	0	4	May 5 12 29 AM '61
0	0	0	1	0	May 5 4 29 PM '61
0	0	0	0	0	May 5 8 29 AM '61
0	0	0	0	2	May 4 11 59 PM '61
0	0	0	0	0	May 4 3 59 PM '61
0	0	0	1	0	May 4 7 59 AM '61
0	0	0	0	3	May 3 11 59 PM '61
0	0	0	0	3	May 3 3 59 PM '61
0	0	0	1	0	May 3 7 59 AM '61
0	0	0	0	3	May 2 11 59 PM '61
0	0	0	0	5	May 2 3 59 PM '61
0	0	0	0	7	May 2 7 59 AM '61
0	0	0	0	1	May 1 11 59 PM '61
0	0	0	0	0	May 1 3 59 PM '61
0	0	0	0	0	May 1 7 59 AM '61

BHA 6-9-1

Tot. Act. = 8.4
Av. Act. = 0.12
K-1401
A.C. Pump
MAY '61

No. samples = 73
no. > PAL = 1
% > PAL = 1.4

Air Operator #6
1401 Cac-E-11
AC Pump Repair Rec.

5-1-61

0	0	0	0	2	APR 30 11 59 PM '61
0	0	0	0	2	APR 30 3 59 PM '61
0	0	0	0	5	APR 30 7 59 AM '61
0	0	0	0	5	APR 29 11 59 PM '61
0	0	0	0	5	APR 29 3 59 PM '61
0	0	0	0	5	APR 29 7 59 AM '61
0	0	0	0	2	APR 28 11 59 PM '61
0	0	0	2	7	APR 28 3 59 PM '61
0	0	0	1	2	APR 28 7 59 AM '61
0	0	0	0	1	APR 27 11 59 PM '61
0	0	0	0	2	APR 27 3 59 PM '61
0	0	0	0	4	APR 27 7 59 AM '61
0	0	0	0	5	APR 26 11 59 PM '61
0	0	0	1	2	APR 26 3 59 PM '61
0	0	0	0	1	APR 26 7 59 AM '61
0	0	0	0	2	APR 25 11 59 PM '61
0	0	0	0	1	APR 25 3 59 PM '61
0	0	0	0	5	APR 25 7 59 AM '61
0	0	0	0	1	APR 24 11 59 PM '61
0	0	0	1	1	APR 24 3 59 PM '61
0	0	0	0	4	APR 24 7 59 AM '61
0	0	0	0	2	APR 23 11 59 PM '61
0	0	0	0	2	APR 23 3 59 PM '61
0	0	0	0	5	APR 23 7 59 AM '61
0	0	0	0	2	APR 22 11 59 PM '61
0	0	0	0	2	APR 22 3 59 PM '61
0	0	0	0	4	APR 22 7 59 AM '61

0 0 0 0 5	APR 23 7 59 AM '61
0 0 0 0 2	APR 22 11 59 PM '61
0 0 0 0 2	APR 22 3 59 PM '61
0 0 0 0 4	APR 22 7 59 AM '61
0 0 0 0 2	APR 21 11 59 PM '61
0 0 0 4 5	APR 21 3 59 PM '61
0 0 0 0 5	APR 21 7 59 AM '61
0 0 0 0 5	APR 20 11 59 PM '61
0 0 0 4 2	APR 20 3 59 PM '61
0 0 0 0 4	APR 20 7 59 AM '61
0 0 0 0 4	APR 19 11 59 PM '61
0 0 0 1 5	APR 19 3 59 PM '61
0 0 0 0 5	APR 19 7 29 AM '61
0 0 0 0 1	APR 18 11 29 PM '61
0 0 0 2 7	APR 18 3 29 PM '61
0 0 0 0 2	APR 18 7 29 AM '61
0 0 0 0 1	APR 17 11 29 PM '61
0 0 0 4 9	APR 17 3 29 PM '61
0 0 0 0 1	APR 17 7 29 AM '61
0 0 0 0 0	APR 16 11 29 PM '61
0 0 0 0 0	APR 16 3 29 PM '61
0 0 0 0 1	APR 16 7 29 AM '61
0 0 0 0 0	APR 15 11 29 PM '61
0 0 0 0 1	APR 15 3 29 PM '61
0 0 0 0 1	APR 15 7 29 AM '61
0 0 0 0 0	APR 14 11 29 PM '61
0 0 0 0 0	APR 14 3 29 PM '61
0 0 0 0 0	APR 14 7 29 AM '61
0 0 0 0 0	APR 14 4 00 AM '61
0 0 0 0 1	APR 13 8 03 AM '61
0 0 0 0 1	APR 13 12 03 AM '61
0 0 0 0 1	APR 12 4 03 PM '61
0 0 0 0 1	APR 12 8 03 AM '61
0 0 0 0 1	APR 12 12 03 AM '61

EXPIRED

VALID

VOID

RETURN AS TO DATE.

-203-

VOID

ALL READINGS TO DATE

0	0	0	0	1	Apr	13	8 03	AM '61
0	0	0	0	2	Apr	13	12 03	AM '61
0	0	0	0	[illegible]	Apr	12	4 03	PM '61
0	0	0	0	[illegible]	Apr	12	8 03	AM '61
0	0	0	0	1	Apr	12	12 03	AM '61
0	0	0	0	1	Apr	11	4 03	PM '61
0	0	0	0	[illegible]	Apr	11	8 03	AM '61
0	0	0	0	1	Apr	11	12 03	AM '61
0	0	0	0	1	Apr	10	4 03	PM '61
0	0	0	0	2	Apr	10	8 03	AM '61
0	0	0	0	1	Apr	10	12 03	AM '61
0	0	0	0	2	Apr	9	4 03	PM '61
0	0	0	0	3	Apr	9	[illegible] 03	AM '61
0	0	0	0	2	Apr	9	12 03	AM '61
0	0	0	0	1	Apr	8	4 03	PM '61
0	0	0	0	3	Apr	8	8 03	AM '61
0	0	0	0	2	Apr	8	12 03	AM '61
0	0	0	1	8	Apr	7	4 03	PM '61
0	0	0	0	0	Apr	7	8 03	AM '61
0	0	0	0	0	Apr	7	12 03	AM '61
0	0	0	0	0	Apr	6	4 03	PM '61
0	0	0	0	0	Apr	6	8 03	AM '61
0	0	0	0	0	Apr	6	12 03	AM '61
0	0	0	0	1	Apr	5	4 03	PM '61
0	0	0	0	0	Apr	5	8 03	AM '61
0	0	0	0	1	Apr	5	12 03	AM '61
0	0	0	0	0	Apr	4	4 03	PM '61
0	0	0	0	0	Apr	4	8 03	AM '61
0	0	0	0	0	Apr	4	12 03	AM '61
0	0	0	0	0	Apr	3	4 03	PM '61
0	0	0	0	0	Apr	3	8 03	AM '61

0 0 0 1
0 0 0 0 5

APR 3 0

Moff 6
R-1401
Camp Shelby
4-3.61

TOT. Act. = 3.4
AV. Act. = 0.06

NO. Samples = 56
NO. > PAL = 0
% > PAL = 0

-20K-1 1 E P R.

TOT. ACT. = 3.4 NO. SAMPLES = 56

AV. ACT. = 0.06 NO. > PAL = 0

% > PAL = 0

K-1401 A.E. Lump Bkg.

MAR 34 12 03 AM '61

MAR 33 4 03 PM '61

MAR 33 8 03 AM '61

MAR 33 12 03 AM '61

MAR 32 4 03 PM '6

MAR 32 8 03 AM '

0 0 0 0 1

0 0 0 0 1

0 0 0 0 1

0 0 0 0 2

0 0 0 0 2

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible] 12 03 AM '61
0	0	0	0	1	Mar 31 4 03 PM '61
0	0	0	0	1	Mar 31 8 03 AM '61
0	0	0	0	3	Mar 31 12 03 AM '61
0	0	0	0	3	Mar 30 4 03 PM '61
0	0	0	4	4	Mar 30 8 03 AM '61
0	0	0	0	3	Mar 30 12 03 AM '61
0	0	0	0	3	Mar 29 4 03 PM '61
0	0	0	1	5	Mar 29 8 03 AM '61
0	0	0	0	3	Mar 29 12 03 AM '61
0	0	0	0	1	Mar 28 4 03 PM '61
0	0	0	0	6	Mar 28 8 03 AM '61
0	0	0	0	6	Mar 28 12 03 AM '61
0	0	0	0	2	Mar 27 4 03 PM '61
0	0	0	2	2	Mar 27 8 03 AM '61
0	0	0	0	6	Mar 27 12 03 AM '61
0	0	0	0	4	Mar 26 4 03 PM '61
0	0	0	0	3	Mar 26 8 03 AM '61
0	0	0	0	6	Mar 25 12 03 AM '61
0	0	0	0	3	Mar 25 4 03 PM '61
0	0	0	0	2	Mar 25 8 03 AM '61
0	0	0	0	3	Mar 25 12 03 AM '61
0	0	0	0	2	Mar 24 4 03 PM '61
0	0	0	1	6	Mar 24 8 03 AM '61
0	0	0	0	2	Mar 24 12 03 AM '61
0	0	0	0	2	Mar 23 4 03 PM '61
0	0	0	2	2	Mar 23 8 03 AM '61
0	0	0	0	2	Mar 23 12 03 AM '61
0	0	0	0	3	Mar 22 4 03 PM '61
0	0	0	2	7	Mar 22 8 03 AM '61
0	0	0	0	2	Mar 22 12 03 AM '61
0	0	0	0	3	Mar 21 4 03 PM '61
0	0	0	2	6	Mar 21 8 03 AM '61
0	0	0	0	7	Mar 21 12 03 AM '61
0	0	0	0	1	Mar 20 4 03 PM '61
0	0	0	2	7	Mar 20 8 03 AM '61
0	0	0	0	2	Mar 20 12 03 AM '61
0	0	0	0	2	Mar 19 4 03 PM '61

Note
A-1101 Camp Shelby
4-8-61

0	0	0	0	2	Mar 20 12 03 AM '61
0	0	0	0	1	Mar 19 4 03 PM '61
0	0	0	0	1	Mar 19 8 03 AM '61
0	0	0	0	1	Mar 19 12 03 AM '61
0	0	0	0	2	Mar 18 4 03 PM '61
0	0	0	0	4	Mar 18 8 03 AM '61
0	0	0	0	5	Mar 18 12 03 AM '61
0	0	0	5	0	Mar 17 4 03 PM '61
0	0	0	0	4	Mar 17 8 03 AM '61
0	0	0	0	4	Mar 17 12 03 AM '61
0	0	0	0	2	Mar 16 4 03 PM '61
0	0	0	0	2	Mar 16 8 03 AM '61
0	0	0	0	5	Mar 16 12 03 AM '61
0	0	0	4	5	Mar 15 4 03 PM '61
0	0	0	0	5	Mar 15 [illegible] 03 AM '61
0	0	0	0	5	Mar 15 12 03 AM '61
0	0	0	4	4	Mar 14 4 02 PM '61
0	0	0	0	2	Mar 14 8 02 AM '61
0	0	0	0	1	Mar 14 12 02 AM '61
0	0	0	2	0	Mar 13 4 02 PM '61
~~0~~	~~0~~	~~0~~	~~[illegible]~~	~~[illegible]~~	~~Mar 13 [illegible] 02 AM '61~~

(out of service due to mining)

0	0	0	0	4	Mar 2 7 28 AM '61
0	0	0	0	0	Mar 1 11 28 PM '61
0	0	0	0	4	Mar 1 3 28 PM '61

3-13-61 1000 AM 1 Shift Yap

Consider all readings Valid

3-1-61
F-1408
Comp. Shop
Wash 6

Tot. Act. = 5.0 No. samples = 59
[illegible] = 0

(out of Hanford area in moving)

0 0 0 0 4
0 0 0 0 0
0 0 0 0 4

3-13-61
10 Act
1 Bkg

MAR 2 7 28 AM '61
MAR 1 11 28 PM '61
MAR 1 3 28 PM '61

Consider all readings Valid
BLT

3-1-61
K-1401
Comp. Shop
Wipe 6

TOT. ACT. = 5.0 NO. SAMPLES = 59
AV. ACT. = 0.08 NO. > PAL = 0
% > PAL = 0

K-1401
MAR '61

R-1-61
Note
R-1401
Comp. Shop.

0	0	0	0	2	Feb 29	7 28 AM '61
0	0	0	0	1	Feb 29	11 28 PM '61
0	0	0	0	1	Feb 28	3 28 PM '61
0	0	0	0	2	Feb 28	7 28 AM '61
0	0	0	0	2	Feb 27	11 28 PM '61
0	0	0	0	0	Feb 27	3 28 PM '61
0	0	0	0	0	Feb 27	7 28 AM '61
0	0	0	0	0	Feb 26	11 28 PM '61
0	0	0	0	1	Feb 26	3 28 PM '61
0	0	0	0	2	Feb 26	7 28 AM '61
0	0	0	0	2	Feb 25	11 28 PM '61
0	0	0	0	2	Feb 25	3 28 PM '61
0	0	0	0	2	Feb 25	7 28 AM '61
0	0	0	0	0	Feb 24	11 28 PM '61
0	0	0	0	0	Feb 24	3 28 PM '61
0	0	0	0	0	Feb 24	7 28 AM '61
0	0	0	0	2	Feb 23	11 28 PM '61
0	0	0	0	2	Feb 23	3 28 PM '61
0	0	0	0	0	Feb 23	7 28 AM '61
0	0	0	0	1	Feb 22	11 28 PM '61
0	0	0	0	2	Feb 22	3 28 PM '61
0	0	0	0	1	Feb 22	7 28 AM '61
0	0	0	0	1	Feb 21	11 28 PM '61
0	0	0	0	2	Feb 21	3 28 PM '61
0	0	0	0	2	Feb 21	7 28 AM '61
0	0	0	0	0	Feb 20	11 28 PM '61
0	0	0	0	4	Feb 20	3 28 PM '61
0	0	0	0	4	Feb 20	7 28 AM '61
					Feb 19	11 28 PM '61

0	0	0	0	2	FEB 21 3 28 PM '61
0	0	0	0	2	FEB 21 7 2 AM '61
0	0	0	0	3	FEB 20 11 28 PM '61
0	0	0	0	4	FEB 20 3 28 PM '61
0	0	0	0	4	FEB 20 7 28 AM '61
0	0	0	0	2	FEB 19 11 28 PM '61
0	0	0	0	1	FEB 19 3 28 PM '61
0	0	0	0	1	FEB 19 7 28 AM '61
0	0	0	0	0	FEB 18 11 28 PM '61
0	0	0	0	3	FEB 18 3 28 PM '61
0	0	0	0	4	FEB 18 7 28 AM '61
0	0	0	0	3	FEB 17 11 28 PM '61
0	0	0	0	3	FEB 17 3 28 PM '61
0	0	0	1	0	FEB 17 7 28 AM '61
0	0	0	0	2	FEB 16 8 58 PM '61
0	0	0	0	3	FEB 16 12 58 PM '61
0	0	0	0	7	FEB 16 4 58 AM '61
0	0	0	0	1	FEB 15 8 58 PM '61
0	0	0	0	4	FEB 15 12 58 PM '61
0	0	0	0	3	FEB 12 11 5- PM '61
0	0	0	0	2	FEB 12 3 57 PM '61
0	0	0	0	5	FEB 12 7 57 AM '61
0	0	0	0	2	FEB 11 11 57 PM '61
0	0	0	0	4	FEB 11 3 57 PM '61
0	0	0	0	3	FEB 11 7 57 AM '61
0	0	0	0	4	FEB 10 11 57 PM '61
0	0	0	0	5	FEB 10 3 57 PM '61
0	0	0	0	3	FEB 10 7 57 AM '61
0	0	0	0	3	FEB 9 11 57 PM '61
0	0	0	0	5	FEB 9 3 57 PM '61
0	0	0	0	1	FEB 9 7 57 AM '61
0	0	0	0	1	FEB 8 11 57 PM '61
0	0	0	0	0	FEB 8 3 57 PM '61
0	0	0	0	1	FEB 8 7 57 AM '61
0	0	0	0	3	FEB 7 11 57 PM '61
0	0	0	0	3	FEB 7 3 57 PM '61
0	0	0	0	1	FEB 7 7 57 AM '61
0	0	0	0	3	FEB 6 11 57 PM '61

0 0 0 0 3	FEB 7 3 57 PM '61
0 0 0 0 1	FEB 7 7 57 AM '61
0 0 0 0 3	FEB 6 11 57 PM '61
0 0 0 0 3	FEB 6 3 57 PM '61
0 0 0 0 7	FEB 6 7 57 AM '61
0 0 0 0 3	FEB 5 11 57 PM '61
0 0 0 0 3	FEB 5 3 57 PM '61
0 0 0 0 3	FEB 5 7 57 AM '61
0 0 0 0 3	FEB 4 11 57 PM '61
0 0 0 0 2	FEB 4 3 57 PM '61
0 0 0 0 2	FEB 4 7 57 AM '61
0 0 0 0 2	FEB 3 11 57 PM '61
0 0 0 0 4	FEB 3 3 57 PM '61
0 0 0 0 2	FEB 3 7 57 AM '61
0 0 0 0 4	FEB 2 11 57 PM '61
0 0 0 0 0	FEB 2 3 57 PM '61
0 0 0 0 0	FEB 2 7 57 AM '61
0 0 0 1 0	FEB 1 11 57 PM '61
0 0 0 0 7	FEB 1 3 57 PM '61

Consider all readings valid

TOT. ACT. = 28 NO. SAMPLES = 77 3/7/4
AV. ACT. = 0.04 NO > MAL = 0
0 > MAL = 0

K-1401
Feb '61

Sort Stamp - Fit -

#6 Sequence

1401 Pump Dismantling Guard

7-1-61

~~0 0 0 0 0~~	~~Jan 27 11 55 AM '61~~
~~0 0 0 0 0~~	~~Jan 27 12 12 AM '61~~
0 0 0 0 0	Jan 27 12 00 AM '61
0 0 0 0 0	Jan 26 4 00 PM '61
0 0 0 0 0	Jan 26 8 00 AM '61
0 0 0 0 0	Jan 25 12 00 AM '61
0 0 0 0 1	Jan 25 4 00 PM '61
0 0 0 0 1	Jan 25 8 00 AM '61
0 0 0 0 2	Jan 25 12 00 AM '61
0 0 0 0 3	Jan 24 4 00 PM '61
0 0 0 0 5	Jan 24 8 00 AM '61
0 0 0 0 7	Jan 24 12 00 AM '61
0 0 0 0 4	Jan 23 4 00 PM '61
0 0 0 0 4	Jan 23 8 00 AM '61
0 0 0 0 5	Jan 23 12 00 AM '61
0 0 0 0 1	Jan 22 4 00 PM '61
0 0 0 0 5	Jan 22 8 00 AM '61
0 0 0 0 4	Jan 22 12 00 AM '61
0 0 0 0 2	Jan 21 4 00 PM '61
0 0 0 0 2	Jan 21 8 00 AM '61
0 0 0 0 2	Jan 21 12 00 AM '61
0 0 0 0 3	Jan 20 4 00 PM '61
0 0 0 0 9	Jan 20 8 00 AM '61
0 0 0 0 2	Jan 20 12 00 AM '61
0 0 0 0 3	Jan 19 4 00 PM '61
0 0 0 1 4	Jan 19 8 00 AM '61
0 0 0 1 0	Jan 19 12 00 AM '61
0 0 0 0 9	Jan 18 4 00 PM '61
0 0 0 2 5	Jan 18 8 00 AM '61
0 0 0 0 9	Jan 18 12 00 AM '61
0 0 0 0 4	Jan 17 4 00 PM '61
0 0 0 0 5	Jan 17 8 00 AM '61
	Jan 17 12 00 AM '61

0	0	0	0	4	Jan 17 4 00 PM '61
0	0	0	0	5	Jan 17 8 00 AM '61
0	0	0	0	4	Jan 17 12 00 AM '61
0	0	0	0	4	Jan 16 4 00 PM '61
0	0	0	0	7	Jan 16 8 00 AM '61
0	0	0	0	5	Jan 16 12 00 AM '61
0	0	0	0	5	Jan 15 4 00 PM '61
0	0	0	0	5	Jan 15 8 00 AM '61
0	0	0	0	5	Jan 15 12 00 AM '61
0	0	0	0	5	Jan 14 4 00 PM '61
0	0	0	0	5	Jan 14 8 00 AM '61
0	0	0	0	4	Jan 14 12 00 AM '61
0	0	0	0	4	Jan 13 4 00 PM '61
0	0	0	1	4	Jan 13 8 00 AM '61
0	0	0	1	1	Jan 13 12 00 AM '61
0	0	0	2	5	Jan 12 4 00 PM '61
0	0	0	2	5	Jan 12 8 00 AM '61
0	0	0	0	6	Jan 12 12 00 AM '61
0	0	0	1	2	Jan 11 4 00 PM '61
0	0	0	1	7	Jan 11 8 00 AM '61
0	0	0	0	7	Jan 11 12 00 AM '61
0	0	0	1	0	Jan 10 4 00 PM '61
0	0	0	1	5	Jan 10 8 00 AM '61
0	0	0	0	5	Jan 10 12 00 AM '61
0	0	0	0	5	Jan 9 4 00 PM '61
0	0	0	0	5	Jan 9 8 00 AM '61
0	0	0	0	5	Jan 9 12 00 AM '61
0	0	0	0	2	Jan 8 4 00 PM '61
0	0	0	0	2	Jan 8 8 00 AM '61
0	0	0	0	4	Jan 8 12 00 AM '61
0	0	0	0	0	Jan 7 4 00 PM '61
0	0	0	1	5	Jan 7 8 00 AM '61
0	0	0	0	7	Jan 7 12 00 AM '61
0	0	0	1	1	Jan 6 4 00 PM '61
0	0	0	1	5	Jan 6 8 00 AM '61
0	0	0	0	0	Jan 6 12 00 AM '61
0	0	0	2	4	Jan 5 4 00 PM '61
					Jan 5 8 00 AM '61

NEW FILTER PAPER
15520
1/13/61

0	0	0	0	2	JAN 8 4 00 PM '61
0	0	0	0	2	JAN 8 [illegible] 00 AM '61
0	0	0	0	4	JAN 8 12 00 AM '61
0	0	0	0	0	JAN 7 4 00 PM '61
0	0	0	1	3	JAN 7 [illegible] 00 AM '61
0	0	0	0	7	JAN 7 12 00 AM '61
0	0	0	1	1	JAN 6 4 00 PM '61
0	0	0	1	3	JAN 6 [illegible] 00 AM '61
0	0	0	0	0	JAN 6 12 00 AM '61
0	0	0	2	4	JAN 5 4 00 PM '61
0	0	0	1	0	JAN 5 [illegible] 00 AM '61
0	0	0	0	7	JAN 5 12 00 [illegible] '61
0	0	0	2	4	JAN 4 4 00 PM '61
0	0	0	0	8	JAN 4 [illegible] 00 AM '61
0	0	0	0	4	JAN 4 12 00 [illegible] '61
0	0	0	1	1	JAN 3 4 00 PM '61
0	0	0	0	0	JAN 3 [illegible] 00 AM '61

Granular all on Valve

Tot. Act. = 5.3 no. Samples = 72

Av. Act. = 0.07 no. > PAL = 0

% > PAL = 0

JAN. '61
K-1401
Comp. Shop

Mo. #6
K-1401
Comp. Shop.
1-3-61

RADIATION MONITORIN(ND CONTROL REPORT

Division Maintenance
Department 1077
Location K-1401 Motor Repair Shop

Date 3-17-51 JW
Checked by B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
Shop area										
floor area	120	1400	200							
4 Tables	48	1300	150	<PAL						
6 motors		2000	550							
Office										
floor area		250	<100	PAL						
Equipment		300	<100							

Action Taken: Decontaminating followed by recheck
8 Checked <PAL including on hands, shoes, clothes
8 Total Personnel Checked

(over)

DISTRIBUTION: 1st Copy - Radiation Hazards and Safety Department K-25RC
2nd Copy - Divisional Files

WCX-2191 (11-53) K-25RC Safety & Health Physics Section

Approved J. L. Mathews
Operating Supervisor

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RADIATION MONITORIN .ND CONTROL REPORT

Division: Maintenance
Department: Shop Mech
Location: K-1401

Date: 2-16-61 JW

Checked by: B C Burnett

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft²	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft³)	Alpha Counts/min/ft³
Duct Work on Top of 1303 bldg.		3200	600	L Pal						

Action Taken: The above material was sent to Contaminated Salvage.

(over)

Approved: [signature]
Operating Supervisor

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2nd Copy - Divisional Files

WCX-2191 (11-53) K-25RC Safety & Health Physics Section

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RADIATION MONITORIN[illegible] [illegible]ND CONTROL REPORT

Division Maintenance
Department
Location K-1401 Motor Repair Shop

Date 1-25-69
Checked by B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
14 Motors		12000	1000	Pal						

FEB 9 1961

Action Taken: Two (2) of the above Motors were sent to K-1420 for Cleaning. Adequate Health Physics precautions were employed for working the 14 Motors. (over)

Approved E. E. Spraler
Operating Supervisor

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WCX-2191 (11-53) K-25RC Safety & Health Physics Section

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RADIATION MONITORIN ND CONTROL REPORT

Division Maintenance
Department 1005
Location K-1401

Date 1-16-61 JW

Checked by BC Burnell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft²	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft³)	Alpha Counts/min/ft³

FEB 9 1961

Action Taken: Checked 6², Pr. Stopped work by 1005 Department, Approved by Health Contamination

(over)

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2nd Copy - Divisional Files

WCX-2191 53) K-25RC Safety & Health Physics Section

Approved J W Bishop
Operating Supervisor

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RADIATION MONITORING AND CONTROL REPORT

Division: Maint.
Department: 1037
Location: K-1401 Valve Shops

Date: 1-5-61
Checked by: Jr. C. Murray

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft²	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft³)	Alpha Counts/min/ft³
K-29 Cooler #0256		off scale on Simpson meter	1750	6.5	1.5	0.0				

Action Taken:

(over)

Approved
Operating Supervisor

DISTRIBUTION: 1st Copy - Radiation Hazards and Safety Department K-25RC
2nd Copy - Divisional Files

WCX-2191 (11-53) K-25RC Safety & Health Physics Section

SAFETY AUDIT REPORT

UCN -2021 (1 9-60)

BUILDING LOCATION (IBM 1-48)	DIVISION CODE (49-50)	LOCATION CODE (51-52)
K-1401 KEY SHOP (Sam Trautman)	01	47

AUDITED BY (SIGNATURE): Neil B. Schmitt

REVIEWED WITH (SIGNATURE): for C.C. Hendricks

FIXED PROTECTION (Personal - Fire)

IBM	CLASS CODE (53-54)	NO. INSPECTED (55-58)	NO. SATISFACTORY (59-62)	DATE (63-70)
	01	2	2	12/27/61

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Sprinkler System	—		Fire Extinguishers	—	
Emergency Exits	1		Protective Equip. Supply	1	
Emergency Station	—		P. A. System	—	
Evacuation Alarm	—		Safety Showers	—	
Eye Baths	—		Standpipes	—	
Fire Alarm Boxes	—		Other (Note in Remarks)	—	
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Damaged	10. Missing
2. Contents	11. Respiratory Equipment	2. Deteriorated	11. Not Labelled
3. Door	12. Rack	3. Dirty	12. Not Lighted
4. Fusible Link	13. Rollers	4. Improperly Stored	13. Not Posted
5. Hardware	14. Sprinkler Head	5. Inaccessible or Blocked	14. Out of Test Date
6. Hose	15. Stop Valve	6. Inadequate	15. Unsealed
7. Identification Light	16. Track	7. Inoperative	16. Other (Note in Remarks
8. Nozzle	17. Unit	8. Leaking	
9. Operating Instructions	18. Other	9. Location Not Indicated	

REMARKS:

ENVIRONMENTAL CONTROL

IBM	CLASS CODE (53-54)	NO. INSPECTED (55-58)	NO. SATISFACTORY (59-62)
	02	10	9

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Cleanliness, Orderliness	2	1(4-16+21)	Radiation (Thermal)	1	
Disposal of Scrap; Waste	1		Radiation (Arc, Ionizing)	—	
Protection of Hazardous or Flammable Refuse	1		Traffic Control	1	
Storage — Material and Equipment	1		Illumination	1	
Storage — Compressed Gas Cylinders	1	acetylene	Ventilation	1	
Vegetation Control	—		Other (Note in Remarks)	—	

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Creates Fire Hazard	10. Inadequate or Improper Ventilation Equipment	19. Not Properly Secured
2. Lunch Room	2. Dirty	11. Inadequate Warning Signs	20. Pedestrian Lanes Not Indicated
3. Office	3. Excessive Accumulation	12. Incorrect Lighting Fixtures	21. Poor Arrangement
4. Storage Area	4. Excessive Glare	13. Inoperative Equipment	22. Poorly Stacked
5. Washroom	5. Fire Lanes Blocked	14. Insufficient Illumination	23. Unsafe Method Used
6. Work Area	6. Inadequate Barricades	15. Materials Not Stored in Designated Areas	24. Wrong Type Container
	7. Inadequate Insulation	16. Material Protruding into Aisles	25. Special Hazards Not Marked
	8. Inadequate Sheilding	17. Metal Cap Missing	26. Ventilation Equipment Not Being Used
	9. Inadequate Traffic Markers	18. No Containers	27. Other (Note in Remarks)

REMARKS:

01 - Fixed Protection 02 - Environmental Control

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

WORK SURFACES	IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
		03	3	3
		53 - 54	55 - 58	59 - 62

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Ca.	—		Ladder (stationery)	—	
Exit	/		Platforms	—	
Floors	/		Scaffolds	—	
Furniture	/		Stairs	—	
Ladder (portable)	—		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS	IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
		04	2	2
		53 - 54	55 - 58	59 - 62

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Combustible Gas	/		Steam (Bld Ht.- Below 250 psig)	—	
Flammable Liquid	/		Steam (High Pressure - above - 250 psig)	—	
Toxic or Corrosive Liquid	—		Air	—	
Toxic or Corrosive Gas	—		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Cleaning Tank	9. Insulation	1. Broken	9. Kinked
2. Controls	10. Pipe	2. Corroded	10. Leaking
3. Couplings	11. Regulators	3. Damaged	11. Missing
4. Metal Containers	12. Safety Devices	4. Deteriorated	12. Not Pinned
5. Glass Containers	13. Tubing	5. Inadequate	13. Not Properly Identified
6. Hose	14. Valves	6. Inadequate Pressure Rating	14. Not Sealed
7. Grounding	15. Vents	7. Incorrect	15. Not Shielded
8. Guards or Supports	16. Housing	8. Inoperative	16. Plugged
	17. Other (Note in Remarks)		17. Other (Note in Remarks)

REM

03 - Work Surfaces 04 - Piping and Containers

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

ELECTRICAL	IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
		05	8	0
		53 - 54	55 - 58	59 - 62

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM - CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Corded Equipment	8	3(9-7) 5(9-5)
Utilization Equipment	—	
Other (Note in Remarks)	—	
High Voltage Equipment (Above 480 Volts)		
Disconnects	—	
Rotating Equipment	—	
Other (Note in Remarks)	—	

ITEMS UNSATISFACTORY

1. Boxes
2. Box Covers
3. Conduit
4. Connectors
5. Breaker
6. Grounds
7. Ground Mats
8. Identification
9. Inspection Date and Tag
10. Insulation
11. Plugs
12. Receptacles
13. Safety Switch
14. Switch
15. Warning Signs
16. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Does Not Meet Plant Specifications
6. Exposed Terminals
7. Missing
8. Not Provided
9. Ungrounded
10. Unguarded
11. Other (Note in Remarks)

REMARKS:

WORK PRACTICES	IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
		06		
		53 - 54	55 - 58	59 - 62

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	0		Use of Safe Attire	0	
Use of Tools	0		Use of Personnel Portective Devices	0	
Use and Maintenance of Machines & Equipment	0		Work Habits	0	
Use of Ionizing Radiation Sources	0				

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Use
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

05 - Electrical 06 - Work Practices

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS	IBM	CLASS CODE 07 (53 - 54)	NO. INSPECTED 13 (55 - 58)	NO. SATISFACTORY 10 (59 - 62)

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
El[illegible]owered	3	3 (6 - 14)
Hand	10	
Hydraulic	—	
Pneumatic Powered	—	
Powder Actuated	—	
Laboratory Glassware	—	

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES	IBM	CLASS CODE 08 (53 - 54)	NO. INSPECTED 2 (55 - 58)	NO. SATISFACTORY 2 (59 - 62)

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor	—		Power Truck	—	
Chain Hoist	—		Tractor	—	
Electric Hoist	—		Plant Railway	—	
Winch or Tugger	—		Skid	—	
Sling	—		Pallet	—	
Lifting Fixture	—		Bicycle	1	
Dolley	—		Bus	—	
Hand Truck	—		Passenger Car	1	3-wheel
Wheelbarrow	—		Motor Truck	—	
Fork Truck	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART

1. Access Ladders	9. Couplings	17. Fittings	25. Hitches	33. Runers
2. Bell	10. Crank	18. Forks	26. Hooks	34. Switches
3. Brakes	11. Crossing Signals	19. Frame	27. Horn	35. Ties
4. Bumping Post	12. Crossing Signs	20. Glass	28. Interlocks	36. Track
5. Cable	13. Dead Man Controls	21. Grounding Connection	29. Lights	37. Wheels
6. Chain	14. Deck	22. Guards	30. Limitswitches	38. Whistle
7. Clearance Markers	15. Dog	23. Handles	31. Road Bed	39. Other (Note in Remarks)
8. Controls	16. Exhaust	24. Handrails	32. Rope	

UNSATISFACTORY CONDITION

1. Broken	5. Damaged	9. Improperly Located	13. Maintenance	17. Other (Note in Remarks)
2. Construction	6. Deteriorated	10. Inadequate	14. Missing	
3. Corroded	7. Illegible	11. Inoperative	15. Overloaded	
4. Cracked	8. Improperly Adjusted	12. Kinked	16. Protruding Fastenings	

RE[illegible]:

07 - Hand and Portable Power Tools- 08 - Materials Handling Equiment - Vehicles

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS—COMPRESSED GAS CYLINDERS	IBM	CLASS CODE 09	NO. INSPECTED	NO. SATISFACTORY
		53 - 54	55 - 58	59 - 62

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Ac ank	—		Freon Tank	—	
Air Receivers	—		HF Tank	—	
Boilers	—		UF_6 Containers	—	
Compressed Gas Cylinders	/		Water Storage Heaters	—	
Fluorine Tank	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Past Due
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Plugged
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Unsecured
4. Dikes	11. Shell	4. Deterioated	11. Missing	18. Other (Note in Remarks)
5. Drip Pans	12. Test	5. Inadequate	12. Not Sealed	
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Shielded	
7. Grounding or Bonding	14. Other (Note in Remarks)	7. Incorrect	14. Open Valve	

REMARKS:

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

MACHINERY AND EQUIPMENT	IBM	CLASS CODE 10 (53 - 54)	NO. INSPECTED 6 (55 - 58)	NO. SATISFACTORY 6 (59 - 62)

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Be Pedestal Grinder	/		Press Brake	—	
Blower	—		Pulverizer	—	
Boring Mill	—		Pump	—	
Centrifuge	—		Saw (band - metal)	—	
Compressor	—		Saw (band - wood)	—	
Crusher	—		Saw (circular - metal)	—	
Diesels (stationary)	—		Saw (circular- -wood)	—	
Drill Press	—		Saw (jig)	—	
Fans	/		Saw (power - rip)	—	
Forming Rolls	—		Saw (radial)	—	
Gear Cutter	—		Saw (swing)	—	
Grinding Machine	—		Screw Machine	—	
Hobber	—		Shaper (metal)	4	
Jointer	—		Shaper (wood)	—	
Lathe (engine)	—		Shears	—	
Lathe (turret)	—		Slicer	—	
Lathe (woodworking)	—		Welding or Cutting Unit Oxyacetylene - Manual	—	
Mi	—		Welding or Cutting Unit Electric - Manual	—	
Paper Cutter	—		Welding or Cutting Unit Oxyacetylene - Automatic	—	
Planer (metal)	—		Welding or Cutting Unit Electric - Automatic	—	
Planer (wood)	—				
Power Press	—		Other (Note in Remarks)		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	12. Feed Device	23. Limit Stop	1. Broken	11. Rough
2. Blowpipe	13. Grounding	24. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (electrode)	14. Guard	25. Regulator	3. Defective	13. Valve Open
4. Cable (power)	15. Guard (belt)	26. Safety Device	4. Improperly Adjusted	14. Wrong Size or Type
5. Chip Screen	16. Guard (gears)	27. Screens	5. Improperly Located	15. Other (Note in Remarks)
6. Clamp or Vise	17. Guard (projecting stock)	28. Spindle	6. Improperly Secured	
7. Controls	18. Guard (splash)	29. Tool Rest	7. Inadequate	
8. Cylinder Cart	19. Guard (tool or die)	30. Torch	8. Inoperative	
9. Cylinder	20. Guard (wheel)	31. Wheel Dressing	9. Maintenance	
10. Dust Collector	21. Hose	32. Other (Note in Remarks)	10. Missing	
11. Flanges	22. Inspection Date and Tag			

REMARKS:

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

BUILDING (1-4B)	LOCATION	DIVISION CODE (49-50)	LOCATION CODE (51-52)
Y-1401	UTILITIES SH/P	01	61

AUDITED BY (SIGNATURE): [illegible]

REVIEWED WITH (SIGNATURE): [illegible]

FIXED PROTECTION (Personal - Fire)	IBM	CLASS CODE (53-54)	NO. INSPECTED (55-58)	NO. SATISFACTORY (59-62)	DATE (63-70)
		01	11	10	12-20-61

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Sprinkler System	1		Fire Extinguishers	6	1(17-5) ←
Emergency Exits	2		Protective Equip. Supply	1	
Emergency Station	—		P. A. System	—	
Evacuation Alarm	—		Safety Showers	—	
Eye Baths	—		Standpipes	1	
Fire Alarm Boxes	—		Other (Note in Remarks)	—	
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Damaged	10. Missing
2. Contents	11. Respiratory Equipment	2. Deteriorated	11. Not Labelled
3. Door	12. Rack	3. Dirty	12. Not Lighted
4. Fusible Link	13. Rollers	4. Improperly Stored	13. Not Posted
5. Hardware	14. Sprinkler Head	5. Inaccessible or Blocked	14. Out of Test Date
6. Hose	15. Stop Valve	6. Inadequate	15. Unsealed
7. Identification Light	16. Track	7. Inoperative	16. Other (Note in Remarks
8. Nozzle	17. Unit	8. Leaking	
9. Operating Instructions	18. Other	9. Location Not Indicated	

REMARKS:

3 - [illegible] fire extinguisher

ENVIRONMENTAL CONTROL	IBM	CLASS CODE (53-54)	NO. INSPECTED (55-58)	NO. SATISFACTORY (59-62)
		02	28	28

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Cleanliness, Orderliness	3		Radiation (Thermal)	1	
Disposal of Scrap; Waste	3		Radiation (Arc, Ionizing)	2	
Protection of Hazardous or Flammable Refuse	3		Traffic Control	3	
Storage — Material and Equipment	3		Illumination	3	
Storage — Compressed Gas Cylinders	4		Ventilation	3	
Vegetation Control	—		Other (Note in Remarks)	—	

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1 Grounds	1. Creates Fire Hazard	10. Inadequate or Improper Ventilation Equipment	19. Not Properly Secured
2. Lunch Room	2. Dirty	11. Inadequate Warning Signs	20. Pedestrian Lanes Not Indicated
3. Office	3. Excessive Accumulation	12. Incorrect Lighting Fixtures	21. Poor Arrangement
4. Storage Area	4. Excessive Glare	13. Inoperative Equipment	22. Poorly Stacked
5. Washroom	5. Fire Lanes Blocked	14. Insufficient Illumination	23. Unsafe Method Used
6. Work Area	6. Inadequate Barricades	15. Materials Not Stored in Designated Areas	24. Wrong Type Container
	7. Inadequate Insulation	16. Material Protruding into Aisles	25. Special Hazards Not Marked
	8. Inadequate Sheilding	17. Metal Cap Missing	26. Ventilation Equipment Not Being Used
	9. Inadequate Traffic Markers	18. No Containers	27. Other (Note in Remarks)

REMARKS:

01 - Fixed Protection 02 - Environmental Control

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

WORK SURFACES	IBM	CLASS CODE 03 (53 - 54)	NO. INSPECTED 12 (55 - 58)	NO. SATISFACTORY 12 (59 - 62)

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Cat.	—		Ladder (stationery)	—	
Exit	3		Platforms	—	
Floors	3		Scaffolds	—	
Furniture	4		Stairs	—	
Ladder (portable)	2		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS	IBM	CLASS CODE 04 (53 - 54)	NO. INSPECTED 59 (55 - 58)	NO. SATISFACTORY 59 (59 - 62)

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Combustible Gas	7		Steam (Bld Ht.- Below 250 psig)	1	
Flammable Liquid	40		Steam (High Pressure - above - 250 psig)	—	
Toxic or Corrosive Liquid	10		Air	1	
Toxic or Corrosive Gas	—		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Cleaning Tank	9. Insulation	1. Broken	9. Kinked
2. Controls	10. Pipe	2. Corroded	10. Leaking
3. Couplings	11. Regulators	3. Damaged	11. Missing
4. Metal Containers	12. Safety Devices	4. Deteriorated	12. Not Pinned
5. Glass Containers	13. Tubing	5. Inadequate	13. Not Properly Identified
6. Hose	14. Valves	6. Inadequate Pressure Rating	14. Not Sealed
7. Grounding	15. Vents	7. Incorrect	15. Not Shielded
8. Guards or Supports	16. Housing	8. Inoperative	16. Plugged
	17. Other (Note in Remarks)		17. Other (Note in Remarks)

REM

03 - Work Surfaces 04 - Piping and Containers

SAFETY AUDIT REPORT
UCN - 2021 (1 9-60)

ELECTRICAL	IBM	CLASS CODE 05 (53 - 54)	NO. INSPECTED 32 (55 - 58)	NO. SATISFACTORY 31 (59 - 62)

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM - CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Corded Equipment	12	(1961) 1(6 - 3) disc cords
Utilization Equipment	20	
Other (Note in Remarks)	—	
High Voltage Equipment (Above 480 Volts)		
Disconnects	—	
Rotating Equipment	—	
Other (Note in Remarks)	—	

ITEMS UNSATISFACTORY

1. Boxes
2. Box Covers
3. Conduit
4. Connectors
5. Breaker
6. Grounds
7. Ground Mats
8. Identification
9. Inspection Date and Tag
10. Insulation
11. Plugs
12. Receptacles
13. Safety Switch
14. Switch
15. Warning Signs
16. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Does Not Meet Plant Specifications
6. Exposed Terminals
7. Missing
8. Not Provided
9. Ungrounded
10. Unguarded
11. Other (Note in Remarks)

REMARKS:

WORK PRACTICES	IBM	CLASS CODE 06 (53 - 54)	NO. INSPECTED 31 (55 - 58)	NO. SATISFACTORY 23 (59 - 62)

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	3		Use of Safe Attire	7	
Use of Tools	4		Use of Personnel Portective Devices	7	6(25) Bro protect
Use and Maintenance of Machines & Equipment	3		Work Habits	7	2(9) *
Use of Ionizing Radiation Sources	—				

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Use
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

* Horseplay if 2 employees squirting each other with oil; chased back and forth across bay.

05 - Electrical 06 - Work Practices

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS	IBM	CLASS CODE 07 (53 - 54)	NO. INSPECTED 17 (55 - 58)	NO. SATISFACTORY 17 (59 - 62)

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Ele wered	3	(1961)
Hand	14	
Hydraulic	—	
Pneumatic Powered	—	
Powder Actuated	—	
Laboratory Glassware	—	

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES	IBM	CLASS CODE 08 (53 - 54)	NO. INSPECTED 16 (55 - 58)	NO. SATISFACTORY 16 (59 - 62)

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor	—		Power Truck	—	
Chain Hoist	1		Tractor	—	
Electric Hoist	1		Plant Railway	—	
Winch or Tugger	—		Skid	—	
Sling	6		Pallet	3	
Lifting Fixture	2		Bicycle	1	
Dolley	1		Bus	—	
Hand Truck	1		Passenger Car	—	
Wheelbarrow	—		Motor Truck	—	
Fork Truck	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART

1. Access Ladders	9. Couplings	17. Fittings	25. Hitches	33. Runers
2. Bell	10. Crank	18. Forks	26. Hooks	34. Switches
3. Brakes	11. Crossing Signals	19. Frame	27. Horn	35. Ties
4. Bumping Post	12. Crossing Signs	20. Glass	28. Interlocks	36. Track
5. Cable	13. Dead Man Controls	21. Grounding Connection	29. Lights	37. Wheels
6. Chain	14. Deck	22. Guards	30. Limitswitches	38. Whistle
7. Clearance Markers	15. Dog	23. Handles	31. Road Bed	39. Other (Note in Remarks)
8. Controls	16. Exhaust	24. Handrails	32. Rope	

UNSATISFACTORY CONDITION

1. Broken	5. Damaged	9. Improperly Located	13. Maintenance	17. Other (Note in Remarks)
2. Construction	6. Deteriorated	10. Inadequate	14. Missing	
3. Corroded	7. Illegible	11. Inoperative	15. Overloaded	
4. Cracked	8. Improperly Adjusted	12. Kinked	16. Protruding Fastenings	

RE' :

07 - Hand and Portable Power Tools- 08 - Materials Handling Equiment - Vehicles

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS—COMPRESSED GAS CYLINDERS	IBM	CLASS CODE 09	NO. INSPECTED	NO. SATISFACTORY
		53 - 54	55 - 58	59 - 62
			12	12

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Acc ink	—		Freon Tank	—	
Air Receivers	—		HF Tank	—	
Boilers	—		UF6 Containers	—	
Compressed Gas Cylinders	12	O_2, out from	Water Storage Heaters	—	
Fluorine Tank	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Past Due
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Plugged
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Unsecured
4. Dikes	11. Shell	4. Deterioated	11. Missing	18. Other (Note in Remarks)
5. Drip Pans	12. Test	5. Inadequate	12. Not Sealed	
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Shielded	
7. Grounding or Bonding	14. Other (Note in Remarks)	7. Incorrect	14. Open Valve	

REMARKS:

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

MACHINERY AND EQUIPMENT	IBM	CLASS CODE 10	NO. INSPECTED	NO. SATISFACTORY
		53 - 54	55 - 58	59 - 62

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Be Pedestal Grinder	2		Press Brake	—	
Blower	—		Pulverizer	—	
Boring Mill	—		Pump	1	
Centrifuge	—		Saw (band - metal)	—	
Compressor	—		Saw (band - wood)	—	
Crusher	—		Saw (circular - metal)	—	
Diesels (stationary)	—		Saw (circular- -wood)	—	
Drill Press	3	1(14 - 10)	Saw (jig)	—	
Fans	2		Saw (power - rip)	—	
Forming Rolls	—		Saw (radial)	—	
Gear Cutter	—		Saw (swing)	—	
Grinding Machine	—		Screw Machine	—	
Hobber	—		Shaper (metal)	1	
Jointer	—		Shaper (wood)	—	
Lathe (engine)	—		Shears	—	
Lathe (turret)	—		Slicer	—	
Lathe (woodworking)	—		Welding or Cutting Unit Oxyacetylene - Manual	2	
Mi	—		Welding or Cutting Unit Electric - Manual	—	
Paper Cutter	—		Welding or Cutting Unit Oxyacetylene - Automatic	—	
Planer (metal)	—		Welding or Cutting Unit Electric - Automatic	—	
Planer (wood)	—				
Power Press	—		Other (Note in Remarks)		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	12. Feed Device	23. Limit Stop	1. Broken	11. Rough
2. Blowpipe	13. Grounding	24. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (electrode)	14. Guard	25. Regulator	3. Defective	13. Valve Open
4. Cable (power)	15. Guard (belt)	26. Safety Device	4. Improperly Adjusted	14. Wrong Size or Type
5. Chip Screen	16. Guard (gears)	27. Screens	5. Improperly Located	15. Other (Note in Remarks)
6. Clamp or Vise	17. Guard (projecting stock)	28. Spindle	6. Improperly Secured	
7. Controls	18. Guard (splash)	29. Tool Rest	7. Inadequate	
8. Cylinder Cart	19. Guard (tool or die)	30. Torch	8. Inoperative	
9. Cylinder	20. Guard (wheel)	31. Wheel Dressing	9. Maintenance	
10. Dust Collector	21. Hose	32. Other (Note in Remarks)	10. Missing	
11. Flanges	22. Inspection Date and Tag			

REMARKS:

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE
X-401	RIGGERS LOFT	01	61
IBM 1-48		49-50	51-52

AUDITED BY (SIGNATURE) Neil B. Schmitt

REVIEWED WITH (SIGNATURE) J. B. Wilson

FIXED PROTECTION (Personal - Fire) IBM

CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01	3	3	12-20-61
53 - 54	55 - 58	59 - 62	63 - 70

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Sprinkler System	1		Fire Extinguishers	—	
Emergency Exits	1		Protective Equip. Supply	1	
Emergency Station	—		P. A. System	—	
Evacuation Alarm	—		Safety Showers	—	
Eye Baths	—		Standpipes	—	
Fire Alarm Boxes	—		Other (Note in Remarks)	—	
Fire Doors	—				

PART UNSATISFACTORY

1. Container
2. Contents
3. Door
4. Fusible Link
5. Hardware
6. Hose
7. Identification Light
8. Nozzle
9. Operating Instructions
10. Piping
11. Respiratory Equipment
12. Rack
13. Rollers
14. Sprinkler Head
15. Stop Valve
16. Track
17. Unit
18. Other

UNSATISFACTORY CONDITION

1. Damaged
2. Deteriorated
3. Dirty
4. Improperly Stored
5. Inaccessible or Blocked
6. Inadequate
7. Inoperative
8. Leaking
9. Location Not Indicated
10. Missing
11. Not Labelled
12. Not Lighted
13. Not Posted
14. Out of Test Date
15. Unsealed
16. Other (Note in Remarks

REMARKS:

ENVIRONMENTAL CONTROL IBM

CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
02	11	10
53 - 54	55 - 58	59 - 62

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Cleanliness, Orderliness	2	1(6 — 3)	Radiation (Thermal)	1	
Disposal of Scrap; Waste	2		Radiation (Arc, Ionizing)	—	
Protection of Hazardous or Flammable Refuse	1		Traffic Control	1	
Storage — Material and Equipment	2		Illumination	1	
Storage — Compressed Gas Cylinders	—		Ventilation	1	
Vegetation Control	—		Other (Note in Remarks)		

TYPE OF LOCATION

1. Grounds
2. Lunch Room
3. Office
4. Storage Area
5. Washroom
6. Work Area

UNSATISFACTORY CONDITION

1. Creates Fire Hazard
2. Dirty
3. Excessive Accumulation
4. Excessive Glare
5. Fire Lanes Blocked
6. Inadequate Barricades
7. Inadequate Insulation
8. Inadequate Sheilding
9. Inadequate Traffic Markers
10. Inadequate or Improper Ventilation Equipment
11. Inadequate Warning Signs
12. Incorrect Lighting Fixtures
13. Inoperative Equipment
14. Insufficient Illumination
15. Materials Not Stored in Designated Areas
16. Material Protruding into Aisles
17. Metal Cap Missing
18. No Containers
19. Not Properly Secured
20. Pedestrian Lanes Not Indicated
21. Poor Arrangement
22. Poorly Stacked
23. Unsafe Method Used
24. Wrong Type Container
25. Special Hazards Not Marked
26. Ventilation Equipment Not Being Used
27. Other (Note in Remarks)

REMARKS:

01 - Fixed Protection 02 - Environmental Control

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

WORK SURFACES	IBM	CLASS CODE 03 (53 - 54)	NO. INSPECTED 2 (55 - 58)	NO. SATISFACTORY 2 (59 - 62)

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Cat	—		Ladder (stationery)	—	
Exit	/		Platforms	—	
Floors	/		Scaffolds	—	
Furniture	—		Stairs	—	
Ladder (portable)	—		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS	IBM	CLASS CODE 04 (53 - 54)	NO. INSPECTED 2 (55 - 58)	NO. SATISFACTORY 2 (59 - 62)

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Combustible Gas	—		Steam (Bld Ht.- Below 250 psig)	/	
Flammable Liquid	—		Steam (High Pressure - above - 250 psig)	—	
Toxic or Corrosive Liquid	—		Air	/	
Toxic or Corrosive Gas	—		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Cleaning Tank	9. Insulation	1. Broken	9. Kinked
2. Controls	10. Pipe	2. Corroded	10. Leaking
3. Couplings	11. Regulators	3. Damaged	11. Missing
4. Metal Containers	12. Safety Devices	4. Deteriorated	12. Not Pinned
5. Glass Containers	13. Tubing	5. Inadequate	13. Not Properly Identified
6. Hose	14. Valves	6. Inadequate Pressure Rating	14. Not Sealed
7. Grounding	15. Vents	7. Incorrect	15. Not Shielded
8. Guards or Supports	16. Housing	8. Inoperative	16. Plugged
	17. Other (Note in Remarks)		17. Other (Note in Remarks)

REM

03 - Work Surfaces 04 - Piping and Containers

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

ELECTRICAL	IBM	CLASS CODE 05	NO. INSPECTED 6	NO. SATISFACTORY 3
		53 - 54	55 - 58	59 - 62

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM - CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Corded Equipment	4	1(6-7) * 2(8-7)
Utilization Equipment	2	
Other (Note in Remarks)	—	
High Voltage Equipment (Above 480 Volts)		
Disconnects	—	
Rotating Equipment	—	
Other (Note in Remarks)	—	

ITEMS UNSATISFACTORY

1. Boxes
2. Box Covers
3. Conduit
4. Connectors
5. Breaker
6. Grounds
7. Ground Mats
8. Identification
9. Inspection Date and Tag
10. Insulation
11. Plugs
12. Receptacles
13. Safety Switch
14. Switch
15. Warning Signs
16. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Does Not Meet Plant Specifications
6. Exposed Terminals
7. Missing
8. Not Provided
9. Ungrounded
10. Unguarded
11. Other (Note in Remarks)

REMARKS:

* 2 wire extension cord; 3-way receptacle.

WORK PRACTICES	IBM	CLASS CODE 06	NO. INSPECTED 12	NO. SATISFACTORY 10
		53 - 54	55 - 58	59 - 62

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	2		Use of Safe Attire	2	
Use of Tools	2		Use of Personnel Portective Devices	2	2(25)
Use and Maintenance of Machines & Equipment	2		Work Habits	2	
Use of Ionizing Radiation Sources	—				

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Use
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

05 - Electrical 06 - Work Practices

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS	IBM	CLASS CODE 07 (53 - 54)	NO. INSPECTED 12 (55 - 58)	NO. SATISFACTORY 12 (59 - 62)

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
El- owered	2	
Hand	6	
Hydraulic	4	
Pneumatic Powered	—	
Powder Actuated	—	
Laboratory Glassware	—	

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES	IBM	CLASS CODE 08 (53 - 54)	NO. INSPECTED 93 (55 - 58)	NO. SATISFACTORY 93 (59 - 62)

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor	—		Power Truck	—	
Chain Hoist	12		Tractor	—	
Electric Hoist	—		Plant Railway	—	
Winch or Tugger	6		Skid	—	
Sling	38		Pallet	—	
Lifting Fixture	23		Bicycle	—	
Dolley	2		Bus	—	
Hand Truck	14		Passenger Car	—	
Wheelbarrow	—		Motor Truck	—	
Fork Truck	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART

1. Access Ladders	9. Couplings	17. Fittings	25. Hitches	33. Runers
2. Bell	10. Crank	18. Forks	26. Hooks	34. Switches
3. Brakes	11. Crossing Signals	19. Frame	27. Horn	35. Ties
4. Bumping Post	12. Crossing Signs	20. Glass	28. Interlocks	36. Track
5. Cable	13. Dead Man Controls	21. Grounding Connection	29. Lights	37. Wheels
6. Chain	14. Deck	22. Guards	30. Limitswitches	38. Whistle
7. Clearance Markers	15. Dog	23. Handles	31. Road Bed	39. Other (Note in Remarks)
8. Controls	16. Exhaust	24. Handrails	32. Rope	

UNSATISFACTORY CONDITION

1. Broken	5. Damaged	9. Improperly Located	13. Maintenance	17. Other (Note in Remarks)
2. Construction	6. Deteriorated	10. Inadequate	14. Missing	
3. Corroded	7. Illegible	11. Inoperative	15. Overloaded	
4. Cracked	8. Improperly Adjusted	12. Kinked	16. Protruding Fastenings	

RE' ':

07 - Hand and Portable Power Tools- 08 - Materials Handling Equiment - Vehicles

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS—COMPRESSED GAS CYLINDERS

IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
	09		
	53 - 54	55 - 58	59 - 62

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Ac ank	—		Freon Tank	—	
Air Receivers	—		HF Tank	—	
Boilers	—		UF6 Containers	—	
Compressed Gas Cylinders	—		Water Storage Heaters	—	
Fluorine Tank	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Past Due
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Plugged
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Unsecured
4. Dikes	11. Shell	4. Deterioated	11. Missing	18. Other (Note in Remarks)
5. Drip Pans	12. Test	5. Inadequate	12. Not Sealed	
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Shielded	
7. Grounding or Bonding	14. Other (Note in Remarks)	7. Incorrect	14. Open Valve	

REMARKS:

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

MACHINERY AND EQUIPMENT	IBM	CLASS CODE 10	NO. INSPECTED	NO. SATISFACTORY
		53 - 54	55 - 58	~~59 - 62~~
			2	2

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
B Pedestal Grinder	—		Press Brake	—	
Blower	—		Pulverizer	—	
Boring Mill	—		Pump	/	
Centrifuge	—		Saw (band - metal)	—	
Compressor	—		Saw (band - wood)	—	
Crusher	—		Saw (circular - metal)	—	
Diesels (stationary)	—		Saw (circular- -wood)	—	
Drill Press	—		Saw (jig)	—	
Fans	—		Saw (power - rip)	—	
Forming Rolls	—		Saw (radial)	—	
Gear Cutter	—		Saw (swing)	—	
Grinding Machine	—		Screw Machine	—	
Hobber	—		Shaper (metal)	/	
Jointer	—		Shaper (wood)	—	
Lathe (engine)	—		Shears	—	
Lathe (turret)	—		Slicer	—	
Lathe (woodworking)	—		Welding or Cutting Unit Oxyacetylene - Manual	—	
M'	—		Welding or Cutting Unit Electric - Manual	—	
Paper cutter	—		Welding or Cutting Unit Oxyacetylene - Automatic	—	
Planer (metal)	—		Welding or Cutting Unit Electric - Automatic	—	
Planer (wood)	—				
Power Press	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	12. Feed Device	23. Limit Stop	1. Broken	11. Rough
2. Blowpipe	13. Grounding	24. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (electrode)	14. Guard	25. Regulator	3. Defective	13. Valve Open
4. Cable (power)	15. Guard (belt)	26. Safety Device	4. Improperly Adjusted	14. Wrong Size or Type
5. Chip Screen	16. Guard (gears)	27. Screens	5. Improperly Located	15. Other (Note in Remarks)
6. Clamp or Vise	17. Guard (projecting stock)	28. Spindle	6. Improperly Secured	
7. Controls	18. Guard (splash)	29. Tool Rest	7. Inadequate	
8. Cylinder Cart	19. Guard (tool or die)	30. Torch	8. Inoperative	
9. Cylinder	20. Guard (wheel)	31. Wheel Dressing	9. Maintenance	
10. Dust Collector	21. Hose	32. Other (Note in Remarks)	10. Missing	
11. Flanges	22. Inspection Date and Tag			

REMARKS:

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE
K-1401	MACHINE SHOP	01	21
I B M 1-45		49-50	51-52

AUDITED BY (SIGNATURE): Ed B. Schultz

REVIEWED WITH (SIGNATURE): C F Moon

FIXED PROTECTION (Personal - Fire)	IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
		01	23	23	12-14-61
		53 - 54	55 - 58	59 - 62	63 - 70

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Sprinkler System	1		Fire Extinguishers	6	
Emergency Exits	2		Protective Equip. Supply	12	
Emergency Station	1		P. A. System	—	
Evacuation Alarm	—		Safety Showers	—	
Eye Baths	—		Standpipes	—	
Fire Alarm Boxes	1		Other (Note in Remarks)	—	
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Damaged	10. Missing
2. Contents	11. Respiratory Equipment	2. Deteriorated	11. Not Labelled
3. Door	12. Rack	3. Dirty	12. Not Lighted
4. Fusible Link	13. Rollers	4. Improperly Stored	13. Not Posted
5. Hardware	14. Sprinkler Head	5. Inaccessible or Blocked	14. Out of Test Date
6. Hose	15. Stop Valve	6. Inadequate	15. Unsealed
7. Identification Light	16. Track	7. Inoperative	16. Other (Note in Remarks
8. Nozzle	17. Unit	8. Leaking	
9. Operating Instructions	18. Other	9. Location Not Indicated	

REMARKS:

Clean, acid cutter, bonta, Chemrop (2),

ENVIRONMENTAL CONTROL	IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
		02	81	79
		53 - 54	55 - 58	59 - 62

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Cleanliness, Orderliness	4		Radiation (Thermal)	2	
Disposal of Scrap; Waste	20	* 1(6-3) **	Radiation (Arc, Ionizing)	1	
Protection of Hazardous or Flammable Refuse	20	1(6-1) only waste in paper waste can	Traffic Control	4	
Storage — Material and Equipment	20		Illumination	4	
Storage — Compressed Gas Cylinders	2		Ventilation	4	
Vegetation Control	—		Other (Note in Remarks)	—	

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Creates Fire Hazard	10. Inadequate or Improper Ventilation Equipment	19. Not Properly Secured
2. Lunch Room	2. Dirty	11. Inadequate Warning Signs	20. Pedestrian Lanes Not Indicated
3. Office	3. Excessive Accumulation	12. Incorrect Lighting Fixtures	21. Poor Arrangement
4. Storage Area	4. Excessive Glare	13. Inoperative Equipment	22. Poorly Stacked
5. Washroom	5. Fire Lanes Blocked	14. Insufficient Illumination	23. Unsafe Method Used
6. Work Area	6. Inadequate Barricades	15. Materials Not Stored in Designated Areas	24. Wrong Type Container
	7. Inadequate Insulation	16. Material Protruding into Aisles	25. Special Hazards Not Marked
	8. Inadequate Sheilding	17. Metal Cap Missing	26. Ventilation Equipment Not Being Used
	9. Inadequate Traffic Markers	18. No Containers	27. Other (Note in Remarks)

REMARKS:

Extensive cleanup last night.
Additional 2 janitors should maintain improved cleanup.
** Temporary storage area (room) between jobs

01 - Fixed Protection 02 - Environmental Control

SAFETY AUDIT REPORT

UCH - 2021 (1 8-60)

WORK SURFACES	IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
		03	21	21
		53 - 54	55 - 58	59 - 62

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Cat.	—		Ladder (stationery)	1	
Exit	6		Platforms	4	
Floors	6		Scaffolds	—	
Furniture	4		Stairs	—	
Ladder (portable)	—		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS	IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
		04	30	29
		53 - 54	55 - 58	59 - 62

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Combustible Gas	3		Steam (Bld Ht.- Below 250 psig)	1	
Flammable Liquid	20		Steam (High Pressure - above - 250 psig)	—	
Toxic or Corrosive Liquid	—		Air	6	1(3 - 12)
Toxic or Corrosive Gas	—		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Cleaning Tank	9. Insulation	1. Broken	9. Kinked
2. Controls	10. Pipe	2. Corroded	10. Leaking
3. Couplings	11. Regulators	3. Damaged	11. Missing
4. Metal Containers	12. Safety Devices	4. Deteriorated	12. Not Pinned
5. Glass Containers	13. Tubing	5. Inadequate	13. Not Properly Identified
6. Hose	14. Valves	6. Inadequate Pressure Rating	14. Not Sealed
7. Grounding	15. Vents	7. Incorrect	15. Not Shielded
8. Guards or Supports	16. Housing	8. Inoperative	16. Plugged
	17. Other (Note in Remarks)		17. Other (Note in Remarks)

REM

Pulle & air out of shop; danger machines -

03 - Work Surfaces 04 - Piping and Containers

SAFETY AUDIT REPORT
UCN - 2021 (1 9-60)

ELECTRICAL	IBM	CLASS CODE 05 (53 - 54)	NO. INSPECTED 134 (55 - 58)	NO. SATISFACTORY 126 (59 - 62)

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM - CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Corded Equipment	43	2(9-7)
Utilization Equipment	91	6(8-7)
Other (Note in Remarks)	—	
High Voltage Equipment (Above 480 Volts)		
Disconnects	—	
Rotating Equipment	—	
Other (Note in Remarks)	—	

ITEMS UNSATISFACTORY

1. Boxes
2. Box Covers
3. Conduit
4. Connectors
5. Breaker
6. Grounds
7. Ground Mats
8. Identification
9. Inspection Date and Tag
10. Insulation
11. Plugs
12. Receptacles
13. Safety Switch
14. Switch
15. Warning Signs
16. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Does Not Meet Plant Specifications
6. Exposed Terminals
7. Missing
8. Not Provided
9. Ungrounded
10. Unguarded
11. Other (Note in Remarks)

REMARKS:

Painting idnt. in progress

WORK PRACTICES	IBM	CLASS CODE 06 (53 - 54)	NO. INSPECTED 144 (55 - 58)	NO. SATISFACTORY 139 (59 - 62)

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	24	1(1) lathe chuck
Use of Tools	24	2(7) (hands to clean waste)
Use and Maintenance of Machines & Equipment	24	
Use of Ionizing Radiation Sources	—	

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Use of Safe Attire	24	
Use of Personnel Portective Devices	24	Glasses, shoes, etc good.
Work Habits	24	2(12) air line pressure

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Use
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

05 - Electrical 06 - Work Practices

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS	IBM	CLASS CODE 07 (53 - 54)	NO. INSPECTED 93 (55 - 58)	NO. SATISFACTORY 90 (59 - 62)

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Elt owered	6	
Hand	87	3(9-10)
Hydraulic	—	
Pneumatic Powered	—	
Powder Actuated	—	
Laboratory Glassware	—	

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES	IBM	CLASS CODE 08 (53 - 54)	NO. INSPECTED 34 (55 - 58)	NO. SATISFACTORY 34 (59 - 62)

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor	—		Power Truck	1	
Chain Hoist	—		Tractor	—	
Electric Hoist	3		Plant Railway	—	
Winch or Tugger	—		Skid	—	
Sling	15		Pallet	7	
Lifting Fixture	2		Bicycle	—	
Dolley	5		Bus	—	
Hand Truck	—		Passenger Car	—	
Wheelbarrow	—		Motor Truck	—	
Fork Truck	1		Other (Note in Remarks)	—	

UNSATISFACTORY PART

1. Access Ladders	9. Couplings	17. Fittings	25. Hitches	33. Runers
2. Bell	10. Crank	18. Forks	26. Hooks	34. Switches
3. Brakes	11. Crossing Signals	19. Frame	27. Horn	35. Ties
4. Bumping Post	12. Crossing Signs	20. Glass	28. Interlocks	36. Track
5. Cable	13. Dead Man Controls	21. Grounding Connection	29. Lights	37. Wheels
6. Chain	14. Deck	22. Guards	30. Limitswitches	38. Whistle
7. Clearance Markers	15. Dog	23. Handles	31. Road Bed	39. Other (Note in Remarks)
8. Controls	16. Exhaust	24. Handrails	32. Rope	

UNSATISFACTORY CONDITION

1. Broken	5. Damaged	9. Improperly Located	13. Maintenance	17. Other (Note in Remarks)
2. Construction	6. Deteriorated	10. Inadequate	14. Missing	
3. Corroded	7. Illegible	11. Inoperative	15. Overloaded	
4. Cracked	8. Improperly Adjusted	12. Kinked	16. Protruding Fastenings	

REI

07 - Hand and Portable Power Tools- 08 - Materials Handling Equiment - Vehicles

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS—COMPRESSED GAS CYLINDERS	IBM	CLASS CODE 09	NO. INSPECTED	NO. SATISFACTORY
		53 - 54	55 - 58	59 - 62
			3	3

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Acc ank	—		Freon Tank	—	
Air Receivers	—		HF Tank	—	
Boilers	—		UF6 Containers	—	
Compressed Gas Cylinders	3		Water Storage Heaters	—	
Fluorine Tank	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Past Due
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Plugged
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Unsecured
4. Dikes	11. Shell	4. Deterioated	11. Missing	18. Other (Note in Remarks)
5. Drip Pans	12. Test	5. Inadequate	12. Not Sealed	
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Shielded	
7. Grounding or Bonding	14. Other (Note in Remarks)	7. Incorrect	14. Open Valve	

REMARKS:

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

MACHINERY AND EQUIPMENT	IBM	CLASS CODE 10 (53 - 54)	NO. INSPECTED 64 (55 - 58)	NO. SATISFACTORY 41 (59 - 62)

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Be Pedestal Grinder	4		Press Brake	—	
Blower	—		Pulverizer	—	
Boring Mill	3	3(17)(15) provide?	Pump	2	
Centrifuge	—		Saw (band - metal)	1	
Compressor	—		Saw (band - wood)	1	
Crusher	—		Saw (circular - metal)	—	
Diesels (stationary)	—		Saw (circular- -wood)	—	
Drill Press	2		Saw (jig)	—	
Fans	7		Saw (power - rip)	—	
Forming Rolls	—		Saw (radial)	—	
Gear Cutter	—		Saw (swing)	—	
Grinding Machine	2		Screw Machine	—	
Hobber	—		Shaper (metal)	3	
Jointer	—		Shaper (wood)	—	
Lathe (engine)	12		Shears	—	
Lathe (turret)	3		Slicer	—	
Lathe (woodworking)	—		Welding or Cutting Unit Oxyacetylene - Manual	1	
Mi	—		Welding or Cutting Unit Electric - Manual	—	
Paper Cutter	—		Welding or Cutting Unit Oxyacetylene - Automatic	—	
Planer (metal)	3		Welding or Cutting Unit Electric - Automatic	—	
Planer (wood)	—				
Power Press	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	12. Feed Device	23. Limit Stop	1. Broken	11. Rough
2. Blowpipe	13. Grounding	24. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (electrode)	14. Guard	25. Regulator	3. Defective	13. Valve Open
4. Cable (power)	15. Guard (belt)	26. Safety Device	4. Improperly Adjusted	14. Wrong Size or Type
5. Chip Screen	16. Guard (gears)	27. Screens	5. Improperly Located	15. Other (Note in Remarks)
6. Clamp or Vise	17. Guard (projecting stock)	28. Spindle	6. Improperly Secured	
7. Controls	18. Guard (splash)	29. Tool Rest	7. Inadequate	
8. Cylinder Cart	19. Guard (tool or die)	30. Torch	8. Inoperative	
9. Cylinder	20. Guard (wheel)	31. Wheel Dressing	9. Maintenance	
10. Dust Collector	21. Hose	32. Other (Note in Remarks)	10. Missing	
11. Flanges	22. Inspection Date and Tag			

REMARKS:

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

BUILDING (IBM 1-48)	LOCATION	DIVISION CODE (49-50)	LOCATION CODE (51-52)
K-1401	SHEET METAL SHOP	01	22

AUDITED BY (SIGNATURE): [illegible]

REVIEWED WITH (SIGNATURE): R. Oglesby

FIXED PROTECTION (Personal - Fire)	IBM	CLASS CODE (53-54)	NO. INSPECTED (55-58)	NO. SATISFACTORY (59-62)	DATE (63-70)
		01	8	8	12-11-61

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Sprinkler System	1		Fire Extinguishers	3	
Emergency Exits	2		Protective Equip. Supply	1	
Emergency Station	—		P. A. System	—	
Evacuation Alarm	—		Safety Showers	—	
Eye Baths	—		Standpipes	—	
Fire Alarm Boxes	1	#223 (OK)	Other (Note in Remarks)	—	
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Damaged	10. Missing
2. Contents	11. Respiratory Equipment	2. Deteriorated	11. Not Labelled
3. Door	12. Rack	3. Dirty	12. Not Lighted
4. Fusible Link	13. Rollers	4. Improperly Stored	13. Not Posted
5. Hardware	14. Sprinkler Head	5. Inaccessible or Blocked	14. Out of Test Date
6. Hose	15. Stop Valve	6. Inadequate	15. Unsealed
7. Identification Light	16. Track	7. Inoperative	16. Other (Note in Remarks
8. Nozzle	17. Unit	8. Leaking	
9. Operating Instructions	18. Other	9. Location Not Indicated	

REMARKS:

ENVIRONMENTAL CONTROL	IBM	CLASS CODE (53-54)	NO. INSPECTED (55-58)	NO. SATISFACTORY (59-62)
		02	29	28

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Cleanliness, Orderliness	4		Radiation (Thermal)	1	
Disposal of Scrap; Waste	4	1 (6-3) shears	Radiation (Arc, Ionizing)	2	
Protection of Hazardous or Flammable Refuse	2		Traffic Control	3	
Storage — Material and Equipment	3		Illumination	6	
Storage — Compressed Gas Cylinders	3		Ventilation	1	
Vegetation Control	—		Other (Note in Remarks)	—	

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1 Grounds	1. Creates Fire Hazard	10. Inadequate or Improper Ventilation Equipment	19. Not Properly Secured
2. Lunch Room	2. Dirty	11. Inadequate Warning Signs	20. Pedestrian Lanes Not Indicated
3. Office	3. Excessive Accumulation	12. Incorrect Lighting Fixtures	21. Poor Arrangement
4. Storage Area	4. Excessive Glare	13. Inoperative Equipment	22. Poorly Stacked
5. Washroom	5. Fire Lanes Blocked	14. Insufficient Illumination	23. Unsafe Method Used
6. Work Area	6. Inadequate Barricades	15. Materials Not Stored in Designated Areas	24. Wrong Type Container
	7. Inadequate Insulation	16. Material Protruding into Aisles	25. Special Hazards Not Marked
	8. Inadequate Sheilding	17. Metal Cap Missing	26. Ventilation Equipment Not Being Used
	9. Inadequate Traffic Markers	18. No Containers	27. Other (Note in Remarks)

REMARKS:

01 - Fixed Protection 02 - Environmental Control

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

WORK SURFACES	IBM	CLASS CODE 03 (53 - 54)	NO. INSPECTED 10 (55 - 58)	NO. SATISFACTORY 10 (59 - 62)

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Cat	—		Ladder (stationery)	—	
Exit	2		Platforms	—	
Floors	4		Scaffolds	—	
Furniture	2		Stairs	—	
Ladder (portable)	2		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS	IBM	CLASS CODE 04 (53 - 54)	NO. INSPECTED 2 (55 - 58)	NO. SATISFACTORY 2 (59 - 62)

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Combustible Gas	—		Steam (Bld Ht.- Below 250 psig)	1	
Flammable Liquid	—		Steam (High Pressure - above - 250 psig)	—	
Toxic or Corrosive Liquid	—		Air	1	
Toxic or Corrosive Gas	—		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Cleaning Tank	9. Insulation	1. Broken	9. Kinked
2. Controls	10. Pipe	2. Corroded	10. Leaking
3. Couplings	11. Regulators	3. Damaged	11. Missing
4. Metal Containers	12. Safety Devices	4. Deteriorated	12. Not Pinned
5. Glass Containers	13. Tubing	5. Inadequate	13. Not Properly Identified
6. Hose	14. Valves	6. Inadequate Pressure Rating	14. Not Sealed
7. Grounding	15. Vents	7. Incorrect	15. Not Shielded
8. Guards or Supports	16. Housing	8. Inoperative	16. Plugged
	17. Other (Note in Remarks)		17. Other (Note in Remarks)

REM.

03 - Work Surfaces 04 - Piping and Containers

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

ELECTRICAL	IBM	CLASS CODE 05 (53 - 54)	NO. INSPECTED 76 (55 - 58)	NO. SATISFACTORY 10 (59 - 62)

ITEMS INSPECTED	NO.	NO. UNSATISFACTORY (ITEM - CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Corded Equipment	36	10(9-5) 4(6-8)
Utilization Equipment	40	
Other (Note in Remarks)	—	
High Voltage Equipment (Above 480 Volts)		
Disconnects	—	
Rotating Equipment	—	
Other (Note in Remarks)	—	

ITEMS UNSATISFACTORY

1. Boxes
2. Box Covers
3. Conduit
4. Connectors
5. Breaker
6. Grounds
7. Ground Mats
8. Identification
9. Inspection Date and Tag
10. Insulation
11. Plugs
12. Receptacles
13. Safety Switch
14. Switch
15. Warning Signs
16. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Does Not Meet Plant Specifications
6. Exposed Terminals
7. Missing
8. Not Provided
9. Ungrounded
10. Unguarded
11. Other (Note in Remarks)

REMARKS:

WORK PRACTICES	IBM	CLASS CODE 06 (53 - 54)	NO. INSPECTED 44 (55 - 58)	NO. SATISFACTORY 42 (59 - 62)

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	6		Use of Safe Attire	10	
Use of Tools	4		Use of Personnel Portective Devices	4	
Use and Maintenance of Machines & Equipment	10		Work Habits	10	1(8) 1(9)
Use of Ionizing Radiation Sources	—				

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Use
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

05 - Electrical 06 - Work Practices

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS	IBM	CLASS CODE 07 (53 - 54)	NO. INSPECTED 34 (55 - 58)	NO. SATISFACTORY 33 (59 - 62)

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Ele owered	20	
Hand	10	1(9-15)
Hydraulic	2	
Pneumatic Powered	2	
Powder Actuated	—	
Laboratory Glassware	—	

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES	IBM	CLASS CODE 08 (53 - 54)	NO. INSPECTED 11 (55 - 58)	NO. SATISFACTORY 11 (59 - 62)

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor	—		Power Truck	—	
Chain Hoist	—		Tractor	—	
Electric Hoist	2		Plant Railway	—	
Winch or Tugger	—		Skid	—	
Sling	4		Pallet	2	
Lifting Fixture	—		Bicycle	—	
Dolley	3		Bus	—	
Hand Truck	—		Passenger Car	—	
Wheelbarrow	—		Motor Truck	—	
Fork Truck	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART

1. Access Ladders	9. Couplings	17. Fittings	25. Hitches	33. Runers
2. Bell	10. Crank	18. Forks	26. Hooks	34. Switches
3. Brakes	11. Crossing Signals	19. Frame	27. Horn	35. Ties
4. Bumping Post	12. Crossing Signs	20. Glass	28. Interlocks	36. Track
5. Cable	13. Dead Man Controls	21. Grounding Connection	29. Lights	37. Wheels
6. Chain	14. Deck	22. Guards	30. Limitswitches	38. Whistle
7. Clearance Markers	15. Dog	23. Handles	31. Road Bed	39. Other (Note in Remarks)
8. Controls	16. Exhaust	24. Handrails	32. Rope	

UNSATISFACTORY CONDITION

1. Broken	5. Damaged	9. Improperly Located	13. Maintenance	17. Other (Note in Remarks)
2. Construction	6. Deteriorated	10. Inadequate	14. Missing	
3. Corroded	7. Illegible	11. Inoperative	15. Overloaded	
4. Cracked	8. Improperly Adjusted	12. Kinked	16. Protruding Fastenings	

RE :

07 - Hand and Portable Power Tools- 08 - Materials Handling Equiment - Vehicles

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS—COMPRESSED GAS CYLINDERS	IBM	CLASS CODE 09 (53 - 54)	NO. INSPECTED 12 (55 - 58)	NO. SATISFACTORY 11 (59 - 62)

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Ac ank	—		Freon Tank	—	
Air Receivers	—		HF Tank	—	
Boilers	—		UF6 Containers	—	
Compressed Gas Cylinders	12	1(1—17)	Water Storage Heaters	—	
Fluorine Tank	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Past Due
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Plugged
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Unsecured
4. Dikes	11. Shell	4. Deterioated	11. Missing	18. Other (Note in Remarks)
5. Drip Pans	12. Test	5. Inadequate	12. Not Sealed	
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Shielded	
7. Grounding or Bonding	14. Other (Note in Remarks)	7. Incorrect	14. Open Valve	

REMARKS:

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

MACHINERY AND EQUIPMENT	IBM	CLASS CODE 10 (53 - 54)	NO. INSPECTED 50 (55 - 58)	NO. SATISFACTORY 50 (59 - 62)

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Be Pedestal Grinder	4		Press Brake	1	
Blower	—		Pulverizer	—	
Boring Mill	—		Pump	2	
Centrifuge	—		Saw (band - metal)	1	
Compressor	—		Saw (band - wood)	—	
Crusher	—		Saw (circular - metal)	4	
Diesels (stationary)	—		Saw (circular- -wood)	—	
Drill Press	3		Saw (jig)	—	
Fans	16		Saw (power - rip)	—	
Forming Rolls	2		Saw (radial)	—	
Gear Cutter	—		Saw (swing)	—	
Grinding Machine	—		Screw Machine	—	
Hobber	—		Shaper (metal)	2	
Jointer	—		Shaper (wood)	—	
Lathe (engine)	—		Shears	2	
Lathe (turret)	—		Slicer	1	
Lathe (woodworking)	—		Welding or Cutting Unit Oxyacetylene - Manual	2	
M	—		Welding or Cutting Unit Electric - Manual	2	
Paper Cutter	—		Welding or Cutting Unit Oxyacetylene - Automatic	1	
Planer (metal)	1		Welding or Cutting Unit Electric - Automatic	—	
Planer (wood)	—				
Power Press	6		Other (Note in Remarks)		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	12. Feed Device	23. Limit Stop	1. Broken	11. Rough
2. Blowpipe	13. Grounding	24. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (electrode)	14. Guard	25. Regulator	3. Defective	13. Valve Open
4. Cable (power)	15. Guard (belt)	26. Safety Device	4. Improperly Adjusted	14. Wrong Size or Type
5. Chip Screen	16. Guard (gears)	27. Screens	5. Improperly Located	15. Other (Note in Remarks)
6. Clamp or Vise	17. Guard (projecting stock)	28. Spindle	6. Improperly Secured	
7. Controls	18. Guard (splash)	29. Tool Rest	7. Inadequate	
8. Cylinder Cart	19. Guard (tool or die)	30. Torch	8. Inoperative	
9. Cylinder	20. Guard (wheel)	31. Wheel Dressing	9. Maintenance	
10. Dust Collector	21. Hose	32. Other (Note in Remarks)	10. Missing	
11. Flanges	22. Inspection Date and Tag			

REMARKS:

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

PAGE 1 OF 6

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE
K-1401	CARPENTER SHOP	01	81
IBM 1-45		49-50	51-52

AUDITED BY (SIGNATURE): [illegible]

REVIEWED WITH (SIGNATURE): A C Riggs

FIXED PROTECTION (Personal - Fire)

IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
	01	12	12	12/12/61
	53 - 54	55 - 58	59 - 62	63-70

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Sprinkler System	1		Fire Extinguishers	4	
Emergency Exits	2		Protective Equip. Supply	2	
Emergency Station	1		P. A. System	—	
Evacuation Alarm	—		Safety Showers	—	
Eye Baths	—		Standpipes	1	
Fire Alarm Boxes	1	(225-1) o/2	Other (Note in Remarks)	—	
Fire Doors	—				

PART UNSATISFACTORY

1. Container
2. Contents
3. Door
4. Fusible Link
5. Hardware
6. Hose
7. Identification Light
8. Nozzle
9. Operating Instructions
10. Piping
11. Respiratory Equipment
12. Rack
13. Rollers
14. Sprinkler Head
15. Stop Valve
16. Track
17. Unit
18. Other

UNSATISFACTORY CONDITION

1. Damaged
2. Deteriorated
3. Dirty
4. Improperly Stored
5. Inaccessible or Blocked
6. Inadequate
7. Inoperative
8. Leaking
9. Location Not Indicated
10. Missing
11. Not Labelled
12. Not Lighted
13. Not Posted
14. Out of Test Date
15. Unsealed
16. Other (Note in Remarks

REMARKS:

ENVIRONMENTAL CONTROL

IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
	02	17	16
	53 - 54	55 - 58	59 - 62

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Cleanliness, Orderliness	2		Radiation (Thermal)	1	
Disposal of Scrap; Waste	2	1(6 - 3) scrap & sawdust	Radiation (Arc, Ionizing)	—	
Protection of Hazardous or Flammable Refuse	4		Traffic Control	2	
Storage — Material and Equipment	2		Illumination	2	
Storage — Compressed Gas Cylinders	—		Ventilation	2	
Vegetation Control	—		Other (Note in Remarks)	—	

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1 Grounds 2. Lunch Room 3. Office 4. Storage Area 5. Washroom 6. Work Area	1. Creates Fire Hazard 2. Dirty 3. Excessive Accumulation 4. Excessive Glare 5. Fire Lanes Blocked 6. Inadequate Barricades 7. Inadequate Insulation 8. Inadequate Sheilding 9. Inadequate Traffic Markers	10. Inadequate or Improper Ventilation Equipment 11. Inadequate Warning Signs 12. Incorrect Lighting Fixtures 13. Inoperative Equipment 14. Insufficient Illumination 15. Materials Not Stored in Designated Areas 16. Material Protruding into Aisles 17. Metal Cap Missing 18. No Containers	19. Not Properly Secured 20. Pedestrian Lanes Not Indicated 21. Poor Arrangement 22. Poorly Stacked 23. Unsafe Method Used 24. Wrong Type Container 25. Special Hazards Not Marked 26. Ventilation Equipment Not Being Used 27. Other (Note in Remarks)

REMARKS:

Janitorial once a day —

01 - Fixed Protection 02 - Environmental Control

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

WORK SURFACES	IBM	CLASS CODE 03 (53 - 54)	NO. INSPECTED 9 (55 - 58)	NO. SATISFACTORY 9 (59 - 62)

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Cat	—		Ladder (stationery)	—	
Exit	2		Platforms	—	
Floors	2		Scaffolds	—	
Furniture	3		Stairs	—	
Ladder (portable)	2		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS	IBM	CLASS CODE 04 (53 - 54)	NO. INSPECTED 2 (55 - 58)	NO. SATISFACTORY 2 (59 - 62)

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Combustible Gas	—		Steam (Bld Ht.- Below 250 psig)	/	
Flammable Liquid	—		Steam (High Pressure - above - 250 psig)	—	
Toxic or Corrosive Liquid	—		Air	/	
Toxic or Corrosive Gas	—		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Cleaning Tank	9. Insulation	1. Broken	9. Kinked
2. Controls	10. Pipe	2. Corroded	10. Leaking
3. Couplings	11. Regulators	3. Damaged	11. Missing
4. Metal Containers	12. Safety Devices	4. Deteriorated	12. Not Pinned
5. Glass Containers	13. Tubing	5. Inadequate	13. Not Properly Identified
6. Hose	14. Valves	6. Inadequate Pressure Rating	14. Not Sealed
7. Grounding	15. Vents	7. Incorrect	15. Not Shielded
8. Guards or Supports	16. Housing	8. Inoperative	16. Plugged
	17. Other (Note in Remarks)		17. Other (Note in Remarks)

REM

03 - Work Surfaces 04 - Piping and Containers

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

ELECTRICAL	IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
		05	37	34
		53 - 54	55 - 58	59 - 62

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM - CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Corded Equipment	14	
Utilization Equipment	23	3(8-11) Painted over
Other (Note in Remarks)	—	
High Voltage Equipment (Above 480 Volts)		
Disconnects	—	
Rotating Equipment	—	
Other (Note in Remarks)	—	

ITEMS UNSATISFACTORY

1. Boxes
2. Box Covers
3. Conduit
4. Connectors
5. Breaker
6. Grounds
7. Ground Mats
8. Identification
9. Inspection Date and Tag
10. Insulation
11. Plugs
12. Receptacles
13. Safety Switch
14. Switch
15. Warning Signs
16. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Does Not Meet Plant Specifications
6. Exposed Terminals
7. Missing
8. Not Provided
9. Ungrounded
10. Unguarded
11. Other (Note in Remarks)

REMARKS:

Saw filing shop being renovated.

WORK PRACTICES	IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
		06	30	29
		53 - 54	55 - 58	59 - 62

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	5		Use of Safe Attire	5	
Use of Tools	5		Use of Personnel Portective Devices	5	
Use and Maintenance of Machines & Equipment	5		Work Habits	5	1(12)
Use of Ionizing Radiation Sources	—				

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Use
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

05 - Electrical 06 - Work Practices

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS	IBM	CLASS CODE 07 (53 - 54)	NO. INSPECTED 22 (55 - 58)	NO. SATISFACTORY 22 (59 - 62)

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered	5	
Hand	16	
Hydraulic	1	
Pneumatic Powered	—	
Powder Actuated	—	
Laboratory Glassware	—	

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES	IBM	CLASS CODE 08 (53 - 54)	NO. INSPECTED 8 (55 - 58)	NO. SATISFACTORY 8 (59 - 62)

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor	—		Power Truck	—	
Chain Hoist	—		Tractor	—	
Electric Hoist	1		Plant Railway	—	
Winch or Tugger	—		Skid	—	
Sling	1		Pallet	2	
Lifting Fixture	1		Bicycle	—	
Dolley	3		Bus	—	
Hand Truck	—		Passenger Car	—	
Wheelbarrow	—		Motor Truck	—	
Fork Truck	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART

1. Access Ladders	9. Couplings	17. Fittings	25. Hitches	33. Runers
2. Bell	10. Crank	18. Forks	26. Hooks	34. Switches
3. Brakes	11. Crossing Signals	19. Frame	27. Horn	35. Ties
4. Bumping Post	12. Crossing Signs	20. Glass	28. Interlocks	36. Track
5. Cable	13. Dead Man Controls	21. Grounding Connection	29. Lights	37. Wheels
6. Chain	14. Deck	22. Guards	30. Limitswitches	38. Whistle
7. Clearance Markers	15. Dog	23. Handles	31. Road Bed	39. Other (Note in Remarks)
8. Controls	16. Exhaust	24. Handrails	32. Rope	

UNSATISFACTORY CONDITION

1. Broken	5. Damaged	9. Improperly Located	13. Maintenance	17. Other (Note in Remarks)
2. Construction	6. Deteriorated	10. Inadequate	14. Missing	
3. Corroded	7. Illegible	11. Inoperative	15. Overloaded	
4. Cracked	8. Improperly Adjusted	12. Kinked	16. Protruding Fastenings	

RE' :

07 - Hand and Portable Power Tools- 08 - Materials Handling Equiment - Vehicles

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS—COMPRESSED GAS CYLINDERS	IBM	CLASS CODE 09	NO. INSPECTED	NO. SATISFACTORY
		53 - 54	55 - 58	59 - 62

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Ac ank	—		Freon Tank	—	
Air Receivers	—		HF Tank	—	
Boilers	—		UF_6 Containers	—	
Compressed Gas Cylinders	—		Water Storage Heaters	—	
Fluorine Tank	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Past Due
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Plugged
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Unsecured
4. Dikes	11. Shell	4. Deterioated	11. Missing	18. Other (Note in Remarks)
5. Drip Pans	12. Test	5. Inadequate	12. Not Sealed	
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Shielded	
7. Grounding or Bonding	14. Other (Note in Remarks)	7. Incorrect	14. Open Valve	

REMARKS:

SAFETY AUDIT REPORT

UCN - 2021 (1 8-60)

MACHINERY AND EQUIPMENT	IBM	CLASS CODE 10 (53 - 54)	NO. INSPECTED 24 (55 - 58)	NO. SATISFACTORY 23 (59 - 62)

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Be Pedestal Grinder	3		Press Brake	—	
Blower	2		Pulverizer	—	
Boring Mill	—		Pump	—	
Centrifuge	—		Saw (band - metal)	—	
Compressor	—		Saw (band - wood)	1	
Crusher	—		Saw (circular - metal)	—	
Diesels (stationary)	—		Saw (circular- -wood)	2	1(10 - Ineffective)
Drill Press	3		Saw (jig)	1	
Fans	4		Saw (power - rip)	1	
Forming Rolls	—		Saw (radial)	2	
Gear Cutter	—		Saw (swing)	—	
Grinding Machine	—		Screw Machine	—	
Hobber	—		Shaper (metal)	—	
Jointer	1		Shaper (wood)	1	
Lathe (engine)	—		Shears	—	
Lathe (turret)	—		Slicer	—	
Lathe (woodworking)	1		Welding or Cutting Unit Oxyacetylene - Manual	—	
M	—		Welding or Cutting Unit Electric - Manual	—	
Paper Cutter	1		Welding or Cutting Unit Oxyacetylene - Automatic	—	
Planer (metal)	—		Welding or Cutting Unit Electric - Automatic	—	
Planer (wood)	1				
Power Press	—		Other (Note in Remarks)		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	12. Feed Device	23. Limit Stop	1. Broken	11. Rough
2. Blowpipe	13. Grounding	24. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (electrode)	14. Guard	25. Regulator	3. Defective	13. Valve Open
4. Cable (power)	15. Guard (belt)	26. Safety Device	4. Improperly Adjusted	14. Wrong Size or Type
5. Chip Screen	16. Guard (gears)	27. Screens	5. Improperly Located	15. Other (Note in Remarks)
6. Clamp or Vise	17. Guard (projecting stock)	28. Spindle	6. Improperly Secured	
7. Controls	18. Guard (splash)	29. Tool Rest	7. Inadequate	
8. Cylinder Cart	19. Guard (tool or die)	30. Torch	8. Inoperative	
9. Cylinder	20. Guard (wheel)	31. Wheel Dressing	9. Maintenance	
10. Dust Collector	21. Hose	32. Other (Note in Remarks)	10. Missing	
11. Flanges	22. Inspection Date and Tag			

REMARKS:

"Can't get all dust into exhaust system"

SAFETY AUDIT REPORT

LCN - 2021 (1 9-60)

BUILDING (IBM 1-48)	LOCATION	DIVISION CODE (49-50)	LOCATION CODE (51-52)
K-1401	VALVE AND UTILITY SHOP	01	47

AUDITED BY (SIGNATURE): [illegible]

REVIEWED WITH (SIGNATURE): Sam Trautman

FIXED PROTECTION (Personal - Fire) — IBM

CLASS CODE (53-54)	NO. INSPECTED (55-58)	NO. SATISFACTORY (59-62)	DATE (63-70)
01	10	10	12-12-61

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Sprinkler System	1		Fire Extinguishers	4	
Emergency Exits	2		Protective Equip. Supply	2	
Emergency Station	—		P. A. System	—	
Evacuation Alarm	—		Safety Showers	—	
Eye Baths	—		Standpipes	—	
Fire Alarm Boxes	1		Other (Note in Remarks)	—	
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Damaged	10. Missing
2. Contents	11. Respiratory Equipment	2. Deteriorated	11. Not Labelled
3. Door	12. Rack	3. Dirty	12. Not Lighted
4. Fusible Link	13. Rollers	4. Improperly Stored	13. Not Posted
5. Hardware	14. Sprinkler Head	5. Inaccessible or Blocked	14. Out of Test Date
6. Hose	15. Stop Valve	6. Inadequate	15. Unsealed
7. Identification Light	16. Track	7. Inoperative	16. Other (Note in Remarks
8. Nozzle	17. Unit	8. Leaking	
9. Operating Instructions	18. Other	9. Location Not Indicated	

REMARKS:

ENVIRONMENTAL CONTROL — IBM

CLASS CODE (53-54)	NO. INSPECTED (55-58)	NO. SATISFACTORY (59-62)
02	19	18

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Cleanliness, Orderliness	2		Radiation (Thermal)	1	
Disposal of Scrap; Waste	4	1 (6-3)	Radiation (Arc, Ionizing)	1	
Protection of Hazardous or Flammable Refuse	1		Traffic Control	2	
Storage — Material and Equipment	2		Illumination	2	
Storage — Compressed Gas Cylinders	2		Ventilation	2	
Vegetation Control	—		Other (Note in Remarks)	—	

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Creates Fire Hazard	10. Inadequate or Improper Ventilation Equipment	19. Not Properly Secured
2. Lunch Room	2. Dirty	11. Inadequate Warning Signs	20. Pedestrian Lanes Not Indicated
3. Office	3. Excessive Accumulation	12. Incorrect Lighting Fixtures	21. Poor Arrangement
4. Storage Area	4. Excessive Glare	13. Inoperative Equipment	22. Poorly Stacked
5. Washroom	5. Fire Lanes Blocked	14. Insufficient Illumination	23. Unsafe Method Used
6. Work Area	6. Inadequate Barricades	15. Materials Not Stored in Designated Areas	24. Wrong Type Container
	7. Inadequate Insulation	16. Material Protruding into Aisles	25. Special Hazards Not Marked
	8. Inadequate Sheilding	17. Metal Cap Missing	26. Ventilation Equipment Not Being Used
	9. Inadequate Traffic Markers	18. No Containers	27. Other (Note in Remarks)

REMARKS:

Shop arrangement in process of change

01 - Fixed Protection 02 - Environmental Control

SAFETY AUDIT REPORT

UCN - 2031 (1 9-60)

WORK SURFACES	IBM	CLASS CODE 03 (53 - 54)	NO. INSPECTED 10 (55 - 58)	NO. SATISFACTORY 10 (59 - 62)

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Cai	—		Ladder (stationery)	1	
Exit	2		Platforms	—	
Floors	2		Scaffolds	—	
Furniture	4		Stairs	—	
Ladder (portable)	1		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS	IBM	CLASS CODE 04 (53 - 54)	NO. INSPECTED 11 (55 - 58)	NO. SATISFACTORY 9 (59 - 62)

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Combustible Gas	5		Steam (Bld Ht.- Below 250 psig)	1	
Flammable Liquid	1		Steam (High Pressure - above - 250 psig)	—	
Toxic or Corrosive Liquid	—		Air	4	2(3-12)
Toxic or Corrosive Gas	—		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Cleaning Tank	9. Insulation	1. Broken	9. Kinked
2. Controls	10. Pipe	2. Corroded	10. Leaking
3. Couplings	11. Regulators	3. Damaged	11. Missing
4. Metal Containers	12. Safety Devices	4. Deteriorated	12. Not Pinned
5. Glass Containers	13. Tubing	5. Inadequate	13. Not Properly Identified
6. Hose	14. Valves	6. Inadequate Pressure Rating	14. Not Sealed
7. Grounding	15. Vents	7. Incorrect	15. Not Shielded
8. Guards or Supports	16. Housing	8. Inoperative	16. Plugged
	17. Other (Note in Remarks)		17. Other (Note in Remarks)

REM

03 - Work Surfaces 04 - Piping and Containers

SAFETY AUDIT REPORT
UCN - 2021 (1 9-60)

ELECTRICAL	IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
		05	55	53
		53 - 54	55 - 58	59 - 62

ITEMS INSPECTED	NO.	NO. UNSATISFACTORY (ITEM - CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Corded Equipment	20	1 (9-7)
Utilization Equipment	35	1 (2-7)
Other (Note in Remarks)	—	
High Voltage Equipment (Above 480 Volts)		
Disconnects	—	
Rotating Equipment	—	
Other (Note in Remarks)	—	

ITEMS UNSATISFACTORY

1. Boxes
2. Box Covers
3. Conduit
4. Connectors
5. Breaker
6. Grounds
7. Ground Mats
8. Identification
9. Inspection Date and Tag
10. Insulation
11. Plugs
12. Receptacles
13. Safety Switch
14. Switch
15. Warning Signs
16. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Does Not Meet Plant Specifications
6. Exposed Terminals
7. Missing
8. Not Provided
9. Ungrounded
10. Unguarded
11. Other (Note in Remarks)

REMARKS:

WORK PRACTICES	IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
		06	50	49
		53 - 54	55 - 58	59 - 62

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	4		Use of Safe Attire	10	
Use of Tools	6		Use of Personnel Portective Devices	10	
Use and Maintenance of Machines & Equipment	10		Work Habits	10	1(12) grinder
Use of Ionizing Radiation Sources	—				

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Use
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

05 - Electrical 06 - Work Practices

SAFETY AUDIT REPORT
UCN - 2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS	IBM	CLASS CODE 07 (53 - 54)	NO. INSPECTED 28 (55 - 58)	NO. SATISFACTORY 28 (59 - 62)

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
El. owered	4	
Hand	21	
Hydraulic	1	
Pneumatic Powered	2	
Powder Actuated	—	
Laboratory Glassware	—	

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES	IBM	CLASS CODE 08 (53 - 54)	NO. INSPECTED 35 (55 - 58)	NO. SATISFACTORY 35 (59 - 62)

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor	—		Power Truck	—	
Chain Hoist	—		Tractor	—	
Electric Hoist	6		Plant Railway	—	
Winch or Tugger	—		Skid	—	
Sling	14		Pallet	8	
Lifting Fixture	2		Bicycle	3	
Dolley	2		Bus	—	
Hand Truck	—		Passenger Car	—	
Wheelbarrow	—		Motor Truck	—	
Fork Truck	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART

1. Access Ladders	9. Couplings	17. Fittings	25. Hitches	33. Runers
2. Bell	10. Crank	18. Forks	26. Hooks	34. Switches
3. Brakes	11. Crossing Signals	19. Frame	27. Horn	35. Ties
4. Bumping Post	12. Crossing Signs	20. Glass	28. Interlocks	36. Track
5. Cable	13. Dead Man Controls	21. Grounding Connection	29. Lights	37. Wheels
6. Chain	14. Deck	22. Guards	30. Limitswitches	38. Whistle
7. Clearance Markers	15. Dog	23. Handles	31. Road Bed	39. Other (Note in Remarks)
8. Controls	16. Exhaust	24. Handrails	32. Rope	

UNSATISFACTORY CONDITION

1. Broken	5. Damaged	9. Improperly Located	13. Maintenance	17. Other (Note in Remarks)
2. Construction	6. Deteriorated	10. Inadequate	14. Missing	
3. Corroded	7. Illegible	11. Inoperative	15. Overloaded	
4. Cracked	8. Improperly Adjusted	12. Kinked	16. Protruding Fastenings	

RE :

07 - Hand and Portable Power Tools- 08 - Materials Handling Equiment - Vehicles

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS—COMPRESSED GAS CYLINDERS

IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
	09	9	9
	53 - 54	55 - 58	59 - 62

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Acc[illegible]nk	—		Freon Tank	—	
Air Receivers	—		HF Tank	—	
Boilers	—		UF_6 Containers	—	
Compressed Gas Cylinders	9		Water Storage Heaters	—	
Fluorine Tank	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Past Due
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Plugged
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Unsecured
4. Dikes	11. Shell	4. Deterioated	11. Missing	18. Other (Note in Remarks)
5. Drip Pans	12. Test	5. Inadequate	12. Not Sealed	
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Shielded	
7. Grounding or Bonding	14. Other (Note in Remarks)	7. Incorrect	14. Open Valve	

REMARKS:

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

MACHINERY AND EQUIPMENT	IBM	CLASS CODE 10 (53 - 54)	NO. INSPECTED (55 - 58)	NO. SATISFACTORY (59 - 62)
			18	16

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Be Pedestal Grinder	5	2(14-10)	Press Brake	—	
Blower	—		Pulverizer	—	
Boring Mill	—		Pump	4	
Centrifuge	—		Saw (band - metal)	1	
Compressor	—		Saw (band - wood)	—	
Crusher	—		Saw (circular - metal)	—	
Diesels (stationary)	—		Saw (circular- -wood)	—	
Drill Press	1		Saw (jig)	—	
Fans (on columns)	3	(Mounting adequate? years of vibration?)	Saw (power - rip)	—	
Forming Rolls	—		Saw (radial)	—	
Gear Cutter	—		Saw (swing)	—	
Grinding Machine	—		Screw Machine	—	
Hobber	—		Shaper (metal)	1	
Jointer	—		Shaper (wood)	—	
Lathe (engine)	—		Shears	—	
Lathe (turret)	1		Slicer	—	
Lathe (woodworking)	—		Welding or Cutting Unit Oxyacetylene - Manual	2	
MI	—		Welding or Cutting Unit Electric - Manual	—	
Paper Cutter	—		Welding or Cutting Unit Oxyacetylene - Automatic	—	
Planer (metal)	—		Welding or Cutting Unit Electric - Automatic	—	
Planer (wood)	—				
Power Press	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	12. Feed Device	23. Limit Stop	1. Broken	11. Rough
2. Blowpipe	13. Grounding	24. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (electrode)	14. Guard	25. Regulator	3. Defective	13. Valve Open
4. Cable (power)	15. Guard (belt)	26. Safety Device	4. Improperly Adjusted	14. Wrong Size or Type
5. Chip Screen	16. Guard (gears)	27. Screens	5. Improperly Located	15. Other (Note in Remarks)
6. Clamp or Vise	17. Guard (projecting stock)	28. Spindle	6. Improperly Secured	
7. Controls	18. Guard (splash)	29. Tool Rest	7. Inadequate	
8. Cylinder Cart	19. Guard (tool or die)	30. Torch	8. Inoperative	
9. Cylinder	20. Guard (wheel)	31. Wheel Dressing	9. Maintenance	
10. Dust Collector	21. Hose	32. Other (Note in Remarks)	10. Missing	
11. Flanges	22. Inspection Date and Tag			

REMARKS:

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE
K-1401	PAINT SHOP	01	81
IBM 1-48		49-50	51-52

AUDIT BY (SIGNATURE): [illegible]

REVIEWED WITH (SIGNATURE): [illegible]

FIXED PROTECTION (Personal - Fire)

IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
	01	10	8	12-12-61
	53 - 54	55 - 58	59 - 62	63 - 70

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Sprinkler System	1		Fire Extinguishers	4	1(1-5) 1(1-3)*
Emergency Exits	1		Protective Equip. Supply	1	
Emergency Station	—		P. A. System	—	
Evacuation Alarm	—		Safety Showers	—	
Eye Baths	—		Standpipes	—	
Fire Alarm Boxes	1		Other (Note in Remarks)	—	
Fire Doors	2				

PART UNSATISFACTORY

1. Container
2. Contents
3. Door
4. Fusible Link
5. Hardware
6. Hose
7. Identification Light
8. Nozzle
9. Operating Instructions
10. Piping
11. Respiratory Equipment
12. Rack
13. Rollers
14. Sprinkler Head
15. Stop Valve
16. Track
17. Unit
18. Other

UNSATISFACTORY CONDITION

1. Damaged
2. Deteriorated
3. Dirty
4. Improperly Stored
5. Inaccessible or Blocked
6. Inadequate
7. Inoperative
8. Leaking
9. Location Not Indicated
10. Missing
11. Not Labelled
12. Not Lighted
13. Not Posted
14. Out of Test Date
15. Unsealed
16. Other (Note in Remarks

REMARKS:

* charged periodically; Fire Dept. representative indicates does not interfere with operation.

ENVIRONMENTAL CONTROL

IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
	02	30	30
	53 - 54	55 - 58	59 - 62

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Cleanliness, Orderliness	2		Radiation (Thermal)	1	
Disposal of Scrap; Waste	2		Radiation (Arc, Ionizing)	—	
Protection of Hazardous or Flammable Refuse	2		Traffic Control	1	
Storage — Material and Equipment	2		Illumination	2	
Storage — Compressed Gas Cylinders	16		Ventilation	2	
Vegetation Control	—		Other (Note in Remarks)	—	

TYPE OF LOCATION

1. Grounds
2. Lunch Room
3. Office
4. Storage Area
5. Washroom
6. Work Area

UNSATISFACTORY CONDITION

1. Creates Fire Hazard
2. Dirty
3. Excessive Accumulation
4. Excessive Glare
5. Fire Lanes Blocked
6. Inadequate Barricades
7. Inadequate Insulation
8. Inadequate Sheilding
9. Inadequate Traffic Markers
10. Inadequate or Improper Ventilation Equipment
11. Inadequate Warning Signs
12. Incorrect Lighting Fixtures
13. Inoperative Equipment
14. Insufficient Illumination
15. Materials Not Stored in Designated Areas
16. Material Protruding into Aisles
17. Metal Cap Missing
18. No Containers
19. Not Properly Secured
20. Pedestrian Lanes Not Indicated
21. Poor Arrangement
22. Poorly Stacked
23. Unsafe Method Used
24. Wrong Type Container
25. Special Hazards Not Marked
26. Ventilation Equipment Not Being Used
27. Other (Note in Remarks)

REMARKS:

01 - Fixed Protection 02 - Environmental Control

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

WORK SURFACES	IBM	CLASS CODE 03 (53 - 54)	NO. INSPECTED 8 (55 - 58)	NO. SATISFACTORY 8 (59 - 62)

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Cat\	—		Ladder (stationery)	—	
Exit	2		Platforms	—	
Floors	2		Scaffolds	—	
Furniture	3		Stairs	—	
Ladder (portable)	1		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS	IBM	CLASS CODE 04 (53 - 54)	NO. INSPECTED 32 (55 - 58)	NO. SATISFACTORY 32 (59 - 62)

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Combustible Gas	—		Steam (Bld Ht.- Below 250 psig)	1	
Flammable Liquid	30		Steam (High Pressure - above - 250 psig)	—	
Toxic or Corrosive Liquid	—		Air	1	
Toxic or Corrosive Gas	—		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Cleaning Tank	9. Insulation	1. Broken	9. Kinked
2. Controls	10. Pipe	2. Corroded	10. Leaking
3. Couplings	11. Regulators	3. Damaged	11. Missing
4. Metal Containers	12. Safety Devices	4. Deteriorated	12. Not Pinned
5. Glass Containers	13. Tubing	5. Inadequate	13. Not Properly Identified
6. Hose	14. Valves	6. Inadequate Pressure Rating	14. Not Sealed
7. Grounding	15. Vents	7. Incorrect	15. Not Shielded
8. Guards or Supports	16. Housing	8. Inoperative	16. Plugged
	17. Other (Note in Remarks)		17. Other (Note in Remarks)

REM.

03 - Work Surfaces 04 - Piping and Containers

SAFETY AUDIT REPORT
UCN - 2021 (1 9-60)

ELECTRICAL	IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
		05	14	13
		53 - 54	55 - 58	59 - 62

ITEMS INSPECTED	NO.	NO. UNSATISFACTORY (ITEM - CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Corded Equipment	6	(1961)
Utilization Equipment	8	1(8-7) spray booth
Other (Note in Remarks)	—	
High Voltage Equipment (Above 480 Volts)		
Disconnects	—	
Rotating Equipment	—	
Other (Note in Remarks)	—	

ITEMS UNSATISFACTORY

1. Boxes
2. Box Covers
3. Conduit
4. Connectors
5. Breaker
6. Grounds
7. Ground Mats
8. Identification
9. Inspection Date and Tag
10. Insulation
11. Plugs
12. Receptacles
13. Safety Switch
14. Switch
15. Warning Signs
16. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Does Not Meet Plant Specifications
6. Exposed Terminals
7. Missing
8. Not Provided
9. Ungrounded
10. Unguarded
11. Other (Note in Remarks)

REMARKS:

WORK PRACTICES	IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
		06	12	11
		53 - 54	55 - 58	59 - 62

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	2		Use of Safe Attire	2	
Use of Tools	2		Use of Personnel Portective Devices	2	
Use and Maintenance of Machines & Equipment	2		Work Habits	2	1(29) * storing paint
Use of Ionizing Radiation Sources	—				

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Use
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

* < 15' of spray booth; spraying not process

05 - Electrical 06 - Work Practices

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS	IBM	CLASS CODE 07 (53 - 54)	NO. INSPECTED 7 (55 - 58)	NO. SATISFACTORY 7 (59 - 62)

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered	2	
Hand	4	
Hydraulic	—	
Pneumatic Powered	1	
Powder Actuated	—	
Laboratory Glassware	—	

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES	IBM	CLASS CODE 08 (53 - 54)	NO. INSPECTED 12 (55 - 58)	NO. SATISFACTORY 12 (59 - 62)

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor	—		Power Truck	—	
Chain Hoist	1		Tractor	—	
Electric Hoist	—		Plant Railway	—	
Winch or Tugger	—		Skid	—	
Sling	1		Pallet	4	
Lifting Fixture	1		Bicycle	—	
Dolley	3		Bus	—	
Hand Truck	1		Passenger Car	—	
Wheelbarrow	—		Motor Truck	1	E- 7662
Fork Truck	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART

1. Access Ladders	9. Couplings	17. Fittings	25. Hitches	33. Runers
2. Bell	10. Crank	18. Forks	26. Hooks	34. Switches
3. Brakes	11. Crossing Signals	19. Frame	27. Horn	35. Ties
4. Bumping Post	12. Crossing Signs	20. Glass	28. Interlocks	36. Track
5. Cable	13. Dead Man Controls	21. Grounding Connection	29. Lights	37. Wheels
6. Chain	14. Deck	22. Guards	30. Limitswitches	38. Whistle
7. Clearance Markers	15. Dog	23. Handles	31. Road Bed	39. Other (Note in Remarks)
8. Controls	16. Exhaust	24. Handrails	32. Rope	

UNSATISFACTORY CONDITION

1. Broken	5. Damaged	9. Improperly Located	13. Maintenance	17. Other (Note in Remarks)
2. Construction	6. Deteriorated	10. Inadequate	14. Missing	
3. Corroded	7. Illegible	11. Inoperative	15. Overloaded	
4. Cracked	8. Improperly Adjusted	12. Kinked	16. Protruding Fastenings	

RE :

07 - Hand and Portable Power Tools- 08 - Materials Handling Equiment - Vehicles

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS—COMPRESSED GAS CYLINDERS	IBM	CLASS CODE 09 (53 - 54)	NO. INSPECTED 17 (55 - 58)	NO. SATISFACTORY 17 (59 - 62)

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Acetylene Tank	—		Freon Tank	—	
Air Receivers	1		HF Tank	—	
Boilers	—		UF_6 Containers	—	
Compressed Gas Cylinders	16		Water Storage Heaters	—	
Fluorine Tank	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Past Due
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Plugged
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Unsecured
4. Dikes	11. Shell	4. Deteriorated	11. Missing	18. Other (Note in Remarks)
5. Drip Pans	12. Test	5. Inadequate	12. Not Sealed	
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Shielded	
7. Grounding or Bonding	14. Other (Note in Remarks)	7. Incorrect	14. Open Valve	

REMARKS:

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

MACHINERY AND EQUIPMENT

IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
	10	7	7
	53 - 54	55 - 58	59 - 62

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Be Pedestal Grinder	—		Press Brake	—	
Blower	/		Pulverizer	—	
Boring Mill	—		Pump	—	
Centrifuge	—		Saw (band - metal)	—	
Compressor	/		Saw (band - wood)	—	
Crusher	—		Saw (circular - metal)	—	
Diesels (stationary)	—		Saw (circular- -wood)	—	
Drill Press	—		Saw (jig)	—	
Fans	/		Saw (power - rip)	—	
Forming Rolls	—		Saw (radial)	—	
Gear Cutter	—		Saw (swing)	—	
Grinding Machine	—		Screw Machine	—	
Hobber	—		Shaper (metal)	—	
Jointer	—		Shaper (wood)	—	
Lathe (engine)	—		Shears	—	
Lathe (turret)	—		Slicer	—	
Lathe (woodworking)	—		Welding or Cutting Unit Oxyacetylene - Manual	—	
M	/		Welding or Cutting Unit Electric - Manual	—	
Paper Cutter	—		Welding or Cutting Unit Oxyacetylene - Automatic	—	
Planer (metal)	—		Welding or Cutting Unit Electric - Automatic	—	
Planer (wood)	—				
Power Press	—		Other (Note in Remarks)	3	stencil cutters

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	12. Feed Device	23. Limit Stop	1. Broken	11. Rough
2. Blowpipe	13. Grounding	24. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (electrode)	14. Guard	25. Regulator	3. Defective	13. Valve Open
4. Cable (power)	15. Guard (belt)	26. Safety Device	4. Improperly Adjusted	14. Wrong Size or Type
5. Chip Screen	16. Guard (gears)	27. Screens	5. Improperly Located	15. Other (Note in Remarks)
6. Clamp or Vise	17. Guard (projecting stock)	28. Spindle	6. Improperly Secured	
7. Controls	18. Guard (splash)	29. Tool Rest	7. Inadequate	
8. Cylinder Cart	19. Guard (tool or die)	30. Torch	8. Inoperative	
9. Cylinder	20. Guard (wheel)	31. Wheel Dressing	9. Maintenance	
10. Dust Collector	21. Hose	32. Other (Note in Remarks)	10. Missing	
11. Flanges	22. Inspection Date and Tag			

REMARKS:

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE
K-1401	VACUUM PUMP SHOP	01	45
1 B M 1-45		49-50	51-52

AUDITED BY (SIGNATURE): [illegible]

REVIEWED WITH (SIGNATURE): J. C. Murray

FIXED PROTECTION (Personal - Fire)	IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
		01	10	10	12-13-61
		53 - 54	55 - 58	59 - 62	63 - 70

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Sprinkler System	1		Fire Extinguishers	4	
Emergency Exits	2		Protective Equip. Supply	1	
Emergency Station	—		P. A. System	—	
Evacuation Alarm	—		Safety Showers	—	
Eye Baths	—		Standpipes	1	hose reel
Fire Alarm Boxes	1		Other (Note in Remarks)	—	
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Damaged	10. Missing
2. Contents	11. Respiratory Equipment	2. Deteriorated	11. Not Labelled
3. Door	12. Rack	3. Dirty	12. Not Lighted
4. Fusible Link	13. Rollers	4. Improperly Stored	13. Not Posted
5. Hardware	14. Sprinkler Head	5. Inaccessible or Blocked	14. Out of Test Date
6. Hose	15. Stop Valve	6. Inadequate	15. Unsealed
7. Identification Light	16. Track	7. Inoperative	16. Other (Note in Remarks
8. Nozzle	17. Unit	8. Leaking	
9. Operating Instructions	18. Other	9. Location Not Indicated	

REMARKS:

ENVIRONMENTAL CONTROL	IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
		02	18	17
		53 - 54	55 - 58	59 - 62

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Cleanliness, Orderliness	2		Radiation (Thermal)	1	
Disposal of Scrap; Waste	2		Radiation (Arc, Ionizing)	—	
Protection of Hazardous or Flammable Refuse	1		Traffic Control	2	
Storage — Material and Equipment	2		Illumination	2	
Storage — Compressed Gas Cylinders	4	1(6-19)	Ventilation	2	
Vegetation Control	—		Other (Note in Remarks)	—	

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Creates Fire Hazard	10. Inadequate or Improper Ventilation Equipment	19. Not Properly Secured
2. Lunch Room	2. Dirty	11. Inadequate Warning Signs	20. Pedestrian Lanes Not Indicated
3. Office	3. Excessive Accumulation	12. Incorrect Lighting Fixtures	21. Poor Arrangement
4. Storage Area	4. Excessive Glare	13. Inoperative Equipment	22. Poorly Stacked
5. Washroom	5. Fire Lanes Blocked	14. Insufficient Illumination	23. Unsafe Method Used
6. Work Area	6. Inadequate Barricades	15. Materials Not Stored in Designated Areas	24. Wrong Type Container
	7. Inadequate Insulation	16. Material Protruding into Aisles	25. Special Hazards Not Marked
	8. Inadequate Sheilding	17. Metal Cap Missing	26. Ventilation Equipment Not Being Used
	9. Inadequate Traffic Markers	18. No Containers	27. Other (Note in Remarks)

REMARKS:

01 - Fixed Protection 02 - Environmental Control

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

WORK SURFACES	IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
		03	7	7
		53 - 54	55 - 58	59 - 62

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Cat.	—		Ladder (stationery)	—	
Exit	2		Platforms	—	
Floors	2		Scaffolds	—	
Furniture	3		Stairs	—	
Ladder (portable)	—		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS	IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
		04	16	15
		53 - 54	55 - 58	59 - 62

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Combustible Gas	12	cut gas, O_2	Steam (Bld Ht.- Below 250 psig)	1	
Flammable Liquid	1		Steam (High Pressure - above - 250 psig)	—	
Toxic or Corrosive Liquid	—		Air	4	1 (3 - 12)
Toxic or Corrosive Gas	1		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Cleaning Tank	9. Insulation	1. Broken	9. Kinked
2. Controls	10. Pipe	2. Corroded	10. Leaking
3. Couplings	11. Regulators	3. Damaged	11. Missing
4. Metal Containers	12. Safety Devices	4. Deteriorated	12. Not Pinned
5. Glass Containers	13. Tubing	5. Inadequate	13. Not Properly Identified
6. Hose	14. Valves	6. Inadequate Pressure Rating	14. Not Sealed
7. Grounding	15. Vents	7. Incorrect	15. Not Shielded
8. Guards or Supports	16. Housing	8. Inoperative	16. Plugged
	17. Other (Note in Remarks)		17. Other (Note in Remarks)

REM

03 - Work Surfaces 04 - Piping and Containers

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

ELECTRICAL	IBM	CLASS CODE 05 (53 - 54)	NO. INSPECTED 36 (55 - 58)	NO. SATISFACTORY 35 (59 - 62)

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM - CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Corded Equipment	14	(1961)
Utilization Equipment	22	1(8-7)
Other (Note in Remarks)	—	
High Voltage Equipment (Above 480 Volts)		
Disconnects	—	
Rotating Equipment	—	
Other (Note in Remarks)	—	

ITEMS UNSATISFACTORY

1. Boxes
2. Box Covers
3. Conduit
4. Connectors
5. Breaker
6. Grounds
7. Ground Mats
8. Identification
9. Inspection Date and Tag
10. Insulation
11. Plugs
12. Receptacles
13. Safety Switch
14. Switch
15. Warning Signs
16. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Does Not Meet Plant Specifications
6. Exposed Terminals
7. Missing
8. Not Provided
9. Ungrounded
10. Unguarded
11. Other (Note in Remarks)

REMARKS:

WORK PRACTICES	IBM	CLASS CODE 06 (53 - 54)	NO. INSPECTED 17 (55 - 58)	NO. SATISFACTORY 16 (59 - 62)

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	2		Use of Safe Attire	3	
Use of Tools	3		Use of Personnel Portective Devices	3	
Use and Maintenance of Machines & Equipment	3		Work Habits	3	1(O_2-acet. pressure left on the pipe)
Use of Ionizing Radiation Sources	—				

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Use
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

05 - Electrical 06 - Work Practices

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS	IBM	CLASS CODE 07 (53 - 54)	NO. INSPECTED 23 (55 - 58)	NO. SATISFACTORY 23 (59 - 62)

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Ele owered	4	
Hand	16	
Hydraulic	2	
Pneumatic Powered	1	
Powder Actuated	—	
Laboratory Glassware	—	

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES	IBM	CLASS CODE 08 (53 - 54)	NO. INSPECTED 20 (55 - 58)	NO. SATISFACTORY 20 (59 - 62)

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor	—		Power Truck	—	
Chain Hoist	—		Tractor	—	
Electric Hoist	2		Plant Railway	—	
Winch or Tugger	—		Skid	—	
Sling	11		Pallet	3	
Lifting Fixture	—		Bicycle	—	
Dolley	2		Bus	—	
Hand Truck	—		Passenger Car	—	
Wheelbarrow	—		Motor Truck	1	
Fork Truck	1		Other (Note in Remarks)	—	

UNSATISFACTORY PART

1. Access Ladders	9. Couplings	17. Fittings	25. Hitches	33. Runers
2. Bell	10. Crank	18. Forks	26. Hooks	34. Switches
3. Brakes	11. Crossing Signals	19. Frame	27. Horn	35. Ties
4. Bumping Post	12. Crossing Signs	20. Glass	28. Interlocks	36. Track
5. Cable	13. Dead Man Controls	21. Grounding Connection	29. Lights	37. Wheels
6. Chain	14. Deck	22. Guards	30. Limitswitches	38. Whistle
7. Clearance Markers	15. Dog	23. Handles	31. Road Bed	39. Other (Note in Remarks)
8. Controls	16. Exhaust	24. Handrails	32. Rope	

UNSATISFACTORY CONDITION

1. Broken	5. Damaged	9. Improperly Located	13. Maintenance	17. Other (Note in Remarks)
2. Construction	6. Deteriorated	10. Inadequate	14. Missing	
3. Corroded	7. Illegible	11. Inoperative	15. Overloaded	
4. Cracked	8. Improperly Adjusted	12. Kinked	16. Protruding Fastenings	

REI

07 - Hand and Portable Power Tools- 08 - Materials Handling Equiment - Vehicles

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS—COMPRESSED GAS CYLINDERS	IBM	CLASS CODE 09 (53 - 54)	NO. INSPECTED 13 (55 - 58)	NO. SATISFACTORY 13 (59 - 62)

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Ace ank	—		Freon Tank	—	
Air Receivers	1		HF Tank	—	
Boilers	—		UF_6 Containers	—	
Compressed Gas Cylinders	12		Water Storage Heaters	—	
Fluorine Tank	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Past Due
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Plugged
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Unsecured
4. Dikes	11. Shell	4. Deterioated	11. Missing	18. Other (Note in Remarks)
5. Drip Pans	12. Test	5. Inadequate	12. Not Sealed	
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Shielded	
7. Grounding or Bonding	14. Other (Note in Remarks)	7. Incorrect	14. Open Valve	

REMARKS:

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

MACHINERY AND EQUIPMENT	IBM	CLASS CODE 10 (53 - 54)	NO. INSPECTED 87 (55 - 56)	NO. SATISFACTORY 86 (59 - 62)

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Be Pedestal Grinder	3		Press Brake	—	
Blower	—		Pulverizer	—	
Boring Mill	—		Pump	72	*
Centrifuge	—		Saw (band - metal)	—	
Compressor	—		Saw (band - wood)	—	
Crusher	—		Saw (circular - metal)	—	
Diesels (stationary)	—		Saw (circular- -wood)	—	
Drill Press	2		Saw (jig)	—	
Fans	4	1(14-7)	Saw (power - rip)	—	
Forming Rolls	—		Saw (radial)	—	
Gear Cutter	—		Saw (swing)	—	
Grinding Machine	—		Screw Machine	—	
Hobber	—		Shaper (metal)	—	
Jointer	—		Shaper (wood)	—	
Lathe (engine)	—		Shears	—	
Lathe (turret)	1		Slicer	—	
Lathe (woodworking)	—		Welding or Cutting Unit Oxyacetylene - Manual	4	
M	—		Welding or Cutting Unit Electric - Manual	—	
Paper Cutter	—		Welding or Cutting Unit Oxyacetylene - Automatic	—	
Planer (metal)	—		Welding or Cutting Unit Electric - Automatic	—	
Planer (wood)	—				
Power Press	—		Other (Note in Remarks)	1	Saws portable

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	12. Feed Device	23. Limit Stop	1. Broken	11. Rough
2. Blowpipe	13. Grounding	24. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (electrode)	14. Guard	25. Regulator	3. Defective	13. Valve Open
4. Cable (power)	15. Guard (belt)	26. Safety Device	4. Improperly Adjusted	14. Wrong Size or Type
5. Chip Screen	16. Guard (gears)	27. Screens	5. Improperly Located	15. Other (Note in Remarks)
6. Clamp or Vise	17. Guard (projecting stock)	28. Spindle	6. Improperly Secured	
7. Controls	18. Guard (splash)	29. Tool Rest	7. Inadequate	
8. Cylinder Cart	19. Guard (tool or die)	30. Torch	8. Inoperative	
9. Cylinder	20. Guard (wheel)	31. Wheel Dressing	9. Maintenance	
10. Dust Collector	21. Hose	32. Other (Note in Remarks)	10. Missing	
11. Flanges	22. Inspection Date and Tag			

REMARKS:

* 16 provided with adequate pulley guards at time of audit.

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE
K-1401	AXIAL FLOW COMPRESSOR SHOP	01	45
IBM 1-48		49-50	51-52

AUDIT BY (SIGNATURE) [illegible]

REVIEWED WITH (SIGNATURE) J. C. Murray

FIXED PROTECTION (Personal - Fire)	IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
		01	8	8	12-13-61
		53 - 54	55 - 58	59 - 62	63 - 70

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Sprinkler System	1		Fire Extinguishers	3	
Emergency Exits	2		Protective Equip. Supply	1	
Emergency Station	—		P. A. System	—	
Evacuation Alarm	—		Safety Showers	—	
Eye Baths	—		Standpipes	—	
Fire Alarm Boxes	1		Other (Note in Remarks)	—	
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Damaged	10. Missing
2. Contents	11. Respiratory Equipment	2. Deteriorated	11. Not Labelled
3. Door	12. Rack	3. Dirty	12. Not Lighted
4. Fusible Link	13. Rollers	4. Improperly Stored	13. Not Posted
5. Hardware	14. Sprinkler Head	5. Inaccessible or Blocked	14. Out of Test Date
6. Hose	15. Stop Valve	6. Inadequate	15. Unsealed
7. Identification Light	16. Track	7. Inoperative	16. Other (Note in Remarks
8. Nozzle	17. Unit	8. Leaking	
9. Operating Instructions	18. Other	9. Location Not Indicated	

REMARKS:

ENVIRONMENTAL CONTROL	IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
		02	25	24
		53 - 54	55 - 58	59 - 62

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Cleanliness, Orderliness	3	1(6-3)	Radiation (Thermal)	1	
Disposal of Scrap; Waste	3		Radiation (Arc, Ionizing)	2	
Protection of Hazardous or Flammable Refuse	1		Traffic Control	3	
Storage — Material and Equipment	3		Illumination	3	
Storage — Compressed Gas Cylinders	3		Ventilation	3	
Vegetation Control	—		Other (Note in Remarks)	—	

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Creates Fire Hazard	10. Inadequate or Improper Ventilation Equipment	19. Not Properly Secured
2. Lunch Room	2. Dirty	11. Inadequate Warning Signs	20. Pedestrian Lanes Not Indicated
3. Office	3. Excessive Accumulation	12. Incorrect Lighting Fixtures	21. Poor Arrangement
4. Storage Area	4. Excessive Glare	13. Inoperative Equipment	22. Poorly Stacked
5. Washroom	5. Fire Lanes Blocked	14. Insufficient Illumination	23. Unsafe Method Used
6. Work Area	6. Inadequate Barricades	15. Materials Not Stored in Designated Areas	24. Wrong Type Container
	7. Inadequate Insulation	16. Material Protruding into Aisles	25. Special Hazards Not Marked
	8. Inadequate Sheilding	17. Metal Cap Missing	26. Ventilation Equipment Not Being Used
	9. Inadequate Traffic Markers	18. No Containers	27. Other (Note in Remarks)

REMARKS:

01 - Fixed Protection 02 - Environmental Control

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

WORK SURFACES	IBM	CLASS CODE 03 (53 - 54)	NO. INSPECTED 15 (55 - 58)	NO. SATISFACTORY 15 (59 - 62)

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Cat.	2		Ladder (stationery)	—	
Exit	3		Platforms	2	
Floors	3		Scaffolds	—	
Furniture	1		Stairs	2	
Ladder (portable)	2		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS	IBM	CLASS CODE 04 (53 - 54)	NO. INSPECTED 13 (55 - 58)	NO. SATISFACTORY 12 (59 - 62)

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Combustible Gas	6		Steam (Bld Ht.- Below 250 psig)	1	
Flammable Liquid	1		Steam (High Pressure - above - 250 psig)	—	
Toxic or Corrosive Liquid	—		Air	4	1(3 - 12)
Toxic or Corrosive Gas	1		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Cleaning Tank	9. Insulation	1. Broken	9. Kinked
2. Controls	10. Pipe	2. Corroded	10. Leaking
3. Couplings	11. Regulators	3. Damaged	11. Missing
4. Metal Containers	12. Safety Devices	4. Deteriorated	12. Not Pinned
5. Glass Containers	13. Tubing	5. Inadequate	13. Not Properly Identified
6. Hose	14. Valves	6. Inadequate Pressure Rating	14. Not Sealed
7. Grounding	15. Vents	7. Incorrect	15. Not Shielded
8. Guards or Supports	16. Housing	8. Inoperative	16. Plugged
	17. Other (Note in Remarks)		17. Other (Note in Remarks)

REM

03 - Work Surfaces 04 - Piping and Containers

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

ELECTRICAL	IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
		05	53	49
		53 - 54	55 - 58	59 - 62

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM - CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Corded Equipment	19	2(9 - 7)
Utilization Equipment	33	1(8 - 7) new bag
Other (Note in Remarks)	—	
High Voltage Equipment (Above 480 Volts)		
Disconnects	—	
Rotating Equipment	—	
Other (Note in Remarks)	—	

ITEMS UNSATISFACTORY

1. Boxes
2. Box Covers
3. Conduit
4. Connectors
5. Breaker
6. Grounds
7. Ground Mats
8. Identification
9. Inspection Date and Tag
10. Insulation
11. Plugs
12. Receptacles
13. Safety Switch
14. Switch
15. Warning Signs
16. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Does Not Meet Plant Specifications
6. Exposed Terminals
7. Missing
8. Not Provided
9. Ungrounded
10. Unguarded
11. Other (Note in Remarks)

REMARKS:

WORK PRACTICES	IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
		06	18	17
		53 - 54	55 - 58	59

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	3		Use of Safe Attire	3	
Use of Tools	3		Use of Personnel Portective Devices	3	
Use and Maintenance of Machines & Equipment	3		Work Habits	3	
Use of Ionizing Radiation Sources	—				

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Use
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

05 - Electrical 06 - Work Practices

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS	IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
		07	26	25
		53 - 54	55 - 58	59 - 62

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Ele owered	5	
Hand	16	1(9 — 7)
Hydraulic	2	
Pneumatic Powered	3	
Powder Actuated	—	
Laboratory Glassware	—	

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES	IBM	CLASS CODE	NO. INSPECTED	NO. SATIS
		08	32	3
		53 - 54	55 - 58	59 - 62

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor	—		Power Truck	—	
Chain Hoist	—		Tractor	—	
Electric Hoist	3		Plant Railway	—	
Winch or Tugger	—		Skid	—	
Sling	17		Pallet	7	
Lifting Fixture	2		Bicycle	—	
Dolley	3		Bus	—	
Hand Truck	—		Passenger Car	—	
Wheelbarrow	—		Motor Truck	—	
Fork Truck	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART

1. Access Ladders	9. Couplings	17. Fittings	25. Hitches	33. Runers
2. Bell	10. Crank	18. Forks	26. Hooks	34. Switches
3. Brakes	11. Crossing Signals	19. Frame	27. Horn	35. Ties
4. Bumping Post	12. Crossing Signs	20. Glass	28. Interlocks	36. Track
5. Cable	13. Dead Man Controls	21. Grounding Connection	29. Lights	37. Wheels
6. Chain	14. Deck	22. Guards	30. Limitswitches	38. Whistle
7. Clearance Markers	15. Dog	23. Handles	31. Road Bed	39. Other (Note in Remarks)
8. Controls	16. Exhaust	24. Handrails	32. Rope	

UNSATISFACTORY CONDITION

1. Broken	5. Damaged	9. Improperly Located	13. Maintenance	17. Other (Note in Remarks)
2. Construction	6. Deteriorated	10. Inadequate	14. Missing	
3. Corroded	7. Illegible	11. Inoperative	15. Overloaded	
4. Cracked	8. Improperly Adjusted	12. Kinked	16. Protruding Fastenings	

REF :

07 - Hand and Portable Power Tools- 08 - Materials Handling Equiment - Vehicles

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS—COMPRESSED GAS CYLINDERS

CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
09	10	10
53 - 54	55 - 58	59 - 62

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Ac ank	—		Freon Tank	—	
Air Receivers	1		HF Tank	—	
Boilers	—		UF6 Containers	—	
Compressed Gas Cylinders	9		Water Storage Heaters	—	
Fluorine Tank	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Past Due
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Plugged
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Unsecured
4. Dikes	11. Shell	4. Deterioated	11. Missing	18. Other (Note in Remarks)
5. Drip Pans	12. Test	5. Inadequate	12. Not Sealed	
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Shielded	
7. Grounding or Bonding	14. Other (Note in Remarks)	7. Incorrect	14. Open Valve	

REMARKS:

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

MACHINERY AND EQUIPMENT

IBM	CLASS CODE 10	NO. INSPECTED	NO. SATISFACTORY
	53 - 54	55 - 58	59 - 62
		10	10

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Be Pedestal Grinder	2		Press Brake	—	
Blower	—		Pulverizer	—	
Boring Mill	—		Pump	—	
Centrifuge	—		Saw (band - metal)	—	
Compressor	—		Saw (band - wood)	—	
Crusher	—		Saw (circular - metal)	—	
Diesels (stationary)	—		Saw (circular- -wood)	—	
Drill Press	—		Saw (jig)	—	
Fans	3		Saw (power - rip)	—	
Forming Rolls	—		Saw (radial)	—	
Gear Cutter	—		Saw (swing)	—	
Grinding Machine	—		Screw Machine	—	
Hobber	—		Shaper (metal)	—	
Jointer	—		Shaper (wood)	—	
Lathe (engine)	—		Shears	—	
Lathe (turret)	—		Slicer	—	
Lathe (woodworking)	—		Welding or Cutting Unit Oxyacetylene - Manual	3	
Mi	—		Welding or Cutting Unit Electric - Manual	—	
Paper Cutter	—		Welding or Cutting Unit Oxyacetylene - Automatic	—	
Planer (metal)	—		Welding or Cutting Unit Electric - Automatic	—	
Planer (wood)	—				
Power Press	—		Other (Note in Remarks)	2	Large spring. rotating fixture

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	12. Feed Device	23. Limit Stop	1. Broken	11. Rough
2. Blowpipe	13. Grounding	24. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (electrode)	14. Guard	25. Regulator	3. Defective	13. Valve Open
4. Cable (power)	15. Guard (belt)	26. Safety Device	4. Improperly Adjusted	14. Wrong Size or Type
5. Chip Screen	16. Guard (gears)	27. Screens	5. Improperly Located	15. Other (Note in Remarks)
6. Clamp or Vise	17. Guard (projecting stock)	28. Spindle	6. Improperly Secured	
7. Controls	18. Guard (splash)	29. Tool Rest	7. Inadequate	
8. Cylinder Cart	19. Guard (tool or die)	30. Torch	8. Inoperative	
9. Cylinder	20. Guard (wheel)	31. Wheel Dressing	9. Maintenance	
10. Dust Collector	21. Hose	32. Other (Note in Remarks)	10. Missing	
11. Flanges	22. Inspection Date and Tag			

REMARKS:

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE
K-1401	ELECTRICAL MAINTENANCE SHOP	01	11
1 B M 1-48		49-50	51-52

AUDITED BY (SIGNATURE): Neil G. Schultz

REVIEWED WITH (SIGNATURE): [illegible]

FIXED PROTECTION (Personal - Fire)

IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
	01	3	3	11-30-61
	53 - 54	55 - 58	59 - 62	63 - 70

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Sprinkler System	/		Fire Extinguishers	/	
Emergency Exits	/		Protective Equip. Supply	—	
Emergency Station	—		P. A. System	—	
Evacuation Alarm	—		Safety Showers	—	
Eye Baths	—		Standpipes	—	
Fire Alarm Boxes	—		Other (Note in Remarks)	—	
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Damaged	10. Missing
2. Contents	11. Respiratory Equipment	2. Deteriorated	11. Not Labelled
3. Door	12. Rack	3. Dirty	12. Not Lighted
4. Fusible Link	13. Rollers	4. Improperly Stored	13. Not Posted
5. Hardware	14. Sprinkler Head	5. Inaccessible or Blocked	14. Out of Test Date
6. Hose	15. Stop Valve	6. Inadequate	15. Unsealed
7. Identification Light	16. Track	7. Inoperative	16. Other (Note in Remarks
8. Nozzle	17. Unit	8. Leaking	
9. Operating Instructions	18. Other	9. Location Not Indicated	

REMARKS:

ENVIRONMENTAL CONTROL

IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
	02	9	9
	53 - 54	55 - 58	59 - 62

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Cleanliness, Orderliness	/		Radiation (Thermal)	/	
Disposal of Scrap; Waste	/		Radiation (Arc, Ionizing)	—	
Protection of Hazardous or Flammable Refuse	/		Traffic Control	/	
Storage — Material and Equipment	/		Illumination	/	
Storage — Compressed Gas Cylinders	/		Ventilation	/	
Vegetation Control	—		Other (Note in Remarks)	—	

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Creates Fire Hazard	10. Inadequate or Improper Ventilation Equipment	19. Not Properly Secured
2. Lunch Room	2. Dirty	11. Inadequate Warning Signs	20. Pedestrian Lanes Not Indicated
3. Office	3. Excessive Accumulation	12. Incorrect Lighting Fixtures	21. Poor Arrangement
4. Storage Area	4. Excessive Glare	13. Inoperative Equipment	22. Poorly Stacked
5. Washroom	5. Fire Lanes Blocked	14. Insufficient Illumination	23. Unsafe Method Used
6. Work Area	6. Inadequate Barricades	15. Materials Not Stored in Designated Areas	24. Wrong Type Container
	7. Inadequate Insulation	16. Material Protruding into Aisles	25. Special Hazards Not Marked
	8. Inadequate Sheilding	17. Metal Cap Missing	26. Ventilation Equipment Not Being Used
	9. Inadequate Traffic Markers	18. No Containers	27. Other (Note in Remarks)

REMARKS:

01 - Fixed Protection 02 - Environmental Control

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

WORK SURFACES	IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
		03	3	3
		53 - 54	55 - 58	59 - 62

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Cat	—		Ladder (stationery)	—	
Exit	/		Platforms	—	
Floors	/		Scaffolds	—	
Furniture	/		Stairs	—	
Ladder (portable)	—		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS	IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
		04	3	3
		53 - 54	55 - 58	59 - 62

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Combustible Gas	—		Steam (Bld Ht.- Below 250 psig)	/	
Flammable Liquid	/		Steam (High Pressure - above - 250 psig)	—	
Toxic or Corrosive Liquid	—		Air	/	
Toxic or Corrosive Gas	—		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Cleaning Tank	9. Insulation	1. Broken	9. Kinked
2. Controls	10. Pipe	2. Corroded	10. Leaking
3. Couplings	11. Regulators	3. Damaged	11. Missing
4. Metal Containers	12. Safety Devices	4. Deteriorated	12. Not Pinned
5. Glass Containers	13. Tubing	5. Inadequate	13. Not Properly Identified
6. Hose	14. Valves	6. Inadequate Pressure Rating	14. Not Sealed
7. Grounding	15. Vents	7. Incorrect	15. Not Shielded
8. Guards or Supports	16. Housing	8. Inoperative	16. Plugged
	17. Other (Note in Remarks)		17. Other (Note in Remarks)

REM

03 - Work Surfaces 04 - Piping and Containers

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

ELECTRICAL	IBM	CLASS CODE 05 . 53 - 54	NO. INSPECTED 12 55 - 58	NO. SATISFACTORY 11 59 - 62

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM - CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Corded Equipment	6	1 (9-7)
Utilization Equipment	6	
Other (Note in Remarks)	—	
High Voltage Equipment (Above 480 Volts)		
Disconnects	—	
Rotating Equipment	—	
Other (Note in Remarks)	—	

ITEMS UNSATISFACTORY

1. Boxes
2. Box Covers
3. Conduit
4. Connectors
5. Breaker
6. Grounds
7. Ground Mats
8. Identification
9. Inspection Date and Tag
10. Insulation
11. Plugs
12. Receptacles
13. Safety Switch
14. Switch
15. Warning Signs
16. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Does Not Meet Plant Specifications
6. Exposed Terminals
7. Missing
8. Not Provided
9. Ungrounded
10. Unguarded
11. Other (Note in Remarks)

REMARKS:

WORK PRACTICES	IBM	CLASS CODE 06 53 - 54	NO. INSPECTED 18 55 - 58	NO. SATISFACTORY 18 59 - 62

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	3		Use of Safe Attire	3	
Use of Tools	3		Use of Personnel Portective Devices	3	
Use and Maintenance of Machines & Equipment	3		Work Habits	3	
Use of Ionizing Radiation Sources	—				

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Use
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

05 - Electrical 06 - Work Practices

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS	IBM	CLASS CODE 07 (53 - 54)	NO. INSPECTED 16 (55 - 58)	NO. SATISFACTORY 16 (59 - 62)

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Elt owered	4	
Hand	12	
Hydraulic	—	
Pneumatic Powered	—	
Powder Actuated	—	
Laboratory Glassware	—	

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES	IBM	CLASS CODE 08 (53 - 54)	NO. INSPECTED 2 (55 - 58)	NO. SATISFACTORY 2 (59 - 62)

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor	—		Power Truck	—	
Chain Hoist	—		Tractor	—	
Electric Hoist	—		Plant Railway	—	
Winch or Tugger	—		Skid	—	
Sling	—		Pallet	—	
Lifting Fixture	—		Bicycle	1	
Dolley	—		Bus	—	
Hand Truck	1		Passenger Car	—	
Wheelbarrow	—		Motor Truck	—	
Fork Truck	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART

1. Access Ladders	9. Couplings	17. Fittings	25. Hitches	33. Runers
2. Bell	10. Crank	18. Forks	26. Hooks	34. Switches
3. Brakes	11. Crossing Signals	19. Frame	27. Horn	35. Ties
4. Bumping Post	12. Crossing Signs	20. Glass	28. Interlocks	36. Track
5. Cable	13. Dead Man Controls	21. Grounding Connection	29. Lights	37. Wheels
6. Chain	14. Deck	22. Guards	30. Limitswitches	38. Whistle
7. Clearance Markers	15. Dog	23. Handles	31. Road Bed	39. Other (Note in Remarks)
8. Controls	16. Exhaust	24. Handrails	32. Rope	

UNSATISFACTORY CONDITION

1. Broken	5. Damaged	9. Improperly Located	13. Maintenance	17. Other (Note in Remarks)
2. Construction	6. Deteriorated	10. Inadequate	14. Missing	
3. Corroded	7. Illegible	11. Inoperative	15. Overloaded	
4. Cracked	8. Improperly Adjusted	12. Kinked	16. Protruding Fastenings	

RE' ':

07 - Hand and Portable Power Tools- 08 - Materials Handling Equiment - Vehicles

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS—COMPRESSED GAS CYLINDERS	IBM	CLASS CODE 09	NO. INSPECTED	NO. SATISFACTORY
		53 - 54	55 - 58	59 - 62

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Ac ınk	—		Freon Tank	—	
Air Receivers	—		HF Tank	—	
Boilers	—		UF_6 Containers	—	
Compressed Gas Cylinders	/		Water Storage Heaters	—	
Fluorine Tank	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Past Due
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Plugged
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Unsecured
4. Dikes	11. Shell	4. Deterioated	11. Missing	18. Other (Note in Remarks)
5. Drip Pans	12. Test	5. Inadequate	12. Not Sealed	
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Shielded	
7. Grounding or Bonding	14. Other (Note in Remarks)	7. Incorrect	14. Open Valve	

REMARKS:

SAFETY AUDIT REPORT

UCN - 2021 (1 8-60)

MACHINERY AND EQUIPMENT	IBM	CLASS CODE 10	NO. INSPECTED	NO. SATISFACTORY
		53 - 54	55 - 58	59 - 62
			5	5

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Be Pedestal Grinder	/		Press Brake	—	
Blower	—		Pulverizer	—	
Boring Mill	—		Pump	/	
Centrifuge	—		Saw (band - metal)	—	
Compressor	—		Saw (band - wood)	—	
Crusher	—		Saw (circular - metal)	—	
Diesels (stationary)	—		Saw (circular- -wood)	—	
Drill Press	/		Saw (jig)	—	
Fans	/		Saw (power - rip)	—	
Forming Rolls	—		Saw (radial)	—	
Gear Cutter	—		Saw (swing)	—	
Grinding Machine	—		Screw Machine	—	
Hobber	—		Shaper (metal)	—	
Jointer	—		Shaper (wood)	—	
Lathe (engine)	—		Shears	—	
Lathe (turret)	—		Slicer	—	
Lathe (woodworking)	—		Welding or Cutting Unit Oxyacetylene - Manual	/	
M'	—		Welding or Cutting Unit Electric - Manual	—	
Paper Cutter	—		Welding or Cutting Unit Oxyacetylene - Automatic	—	
Planer (metal)	—		Welding or Cutting Unit Electric - Automatic	—	
Planer (wood)	—				
Power Press	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	12. Feed Device	23. Limit Stop	1. Broken	11. Rough
2. Blowpipe	13. Grounding	24. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (electrode)	14. Guard	25. Regulator	3. Defective	13. Valve Open
4. Cable (power)	15. Guard (belt)	26. Safety Device	4. Improperly Adjusted	14. Wrong Size or Type
5. Chip Screen	16. Guard (gears)	27. Screens	5. Improperly Located	15. Other (Note in Remarks)
6. Clamp or Vise	17. Guard (projecting stock)	28. Spindle	6. Improperly Secured	
7. Controls	18. Guard (splash)	29. Tool Rest	7. Inadequate	
8. Cylinder Cart	19. Guard (tool or die)	30. Torch	8. Inoperative	
9. Cylinder	20. Guard (wheel)	31. Wheel Dressing	9. Maintenance	
10. Dust Collector	21. Hose	32. Other (Note in Remarks)	10. Missing	
11. Flanges	22. Inspection Date and Tag			

REMARKS:

SAFETY AUDIT REPORT

ICN - 2021 (1 9-60)

PAGE 1 OF 6

BUILDING (IBM 1-48)	LOCATION	DIVISION CODE (49-50)	LOCATION CODE (51-52)
K-1401	CLEANING AREA	01	43

AUDITED BY (SIGNATURE): [illegible]

REVIEWED WITH (SIGNATURE): [illegible]

FIXED PROTECTION (Personal - Fire)

IBM	CLASS CODE (53-54)	NO. INSPECTED (55-58)	NO. SATISFACTORY (59-62)	DATE (63-70)
	01	10	10	10/21/61

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Sprinkler System	1		Fire Extinguishers	2	
Emergency Exits	1		Protective Equip. Supply	1	
Emergency Station	—		P. A. System	—	
Evacuation Alarm	—		Safety Showers	2	
Eye Baths	1		Standpipes	1	
Fire Alarm Boxes	1		Other (Note in Remarks)	—	
Fire Doors	—				

PART UNSATISFACTORY

1. Container
2. Contents
3. Door
4. Fusible Link
5. Hardware
6. Hose
7. Identification Light
8. Nozzle
9. Operating Instructions
10. Piping
11. Respiratory Equipment
12. Rack
13. Rollers
14. Sprinkler Head
15. Stop Valve
16. Track
17. Unit
18. Other

UNSATISFACTORY CONDITION

1. Damaged
2. Deteriorated
3. Dirty
4. Improperly Stored
5. Inaccessible or Blocked
6. Inadequate
7. Inoperative
8. Leaking
9. Location Not Indicated
10. Missing
11. Not Labelled
12. Not Lighted
13. Not Posted
14. Out of Test Date
15. Unsealed
16. Other (Note in Remarks

REMARKS:

ENVIRONMENTAL CONTROL

IBM	CLASS CODE (53-54)	NO. INSPECTED (55-58)	NO. SATISFACTORY (59-62)
	02	24	22

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Cleanliness, Orderliness	4		Radiation (Thermal)	4	1(6-7) *
Disposal of Scrap; Waste	4		Radiation (Arc, Ionizing)	—	
Protection of Hazardous or Flammable Refuse	4		Traffic Control	1	
Storage — Material and Equipment	4	1(6-3)	Illumination	1	
Storage — Compressed Gas Cylinders	1		Ventilation	1	
Vegetation Control	—		Other (Note in Remarks)	—	

TYPE OF LOCATION

1. Grounds
2. Lunch Room
3. Office
4. Storage Area
5. Washroom
6. Work Area

UNSATISFACTORY CONDITION

1. Creates Fire Hazard
2. Dirty
3. Excessive Accumulation
4. Excessive Glare
5. Fire Lanes Blocked
6. Inadequate Barricades
7. Inadequate Insulation
8. Inadequate Sheilding
9. Inadequate Traffic Markers
10. Inadequate or Improper Ventilation Equipment
11. Inadequate Warning Signs
12. Incorrect Lighting Fixtures
13. Inoperative Equipment
14. Insufficient Illumination
15. Materials Not Stored in Designated Areas
16. Material Protruding into Aisles
17. Metal Cap Missing
18. No Containers
19. Not Properly Secured
20. Pedestrian Lanes Not Indicated
21. Poor Arrangement
22. Poorly Stacked
23. Unsafe Method Used
24. Wrong Type Container
25. Special Hazards Not Marked
26. Ventilation Equipment Not Being Used
27. Other (Note in Remarks)

REMARKS:

* steam lines at solvent still

01 - Fixed Protection 02 - Environmental Control

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

WORK SURFACES	IBM	CLASS CODE 03 (53 - 54)	NO. INSPECTED 13 (55 - 58)	NO. SATISFACTORY 13 (59 - 62)

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Cat	4		Ladder (stationery)	1	
Exit	2		Platforms	2	
Floors	1		Scaffolds	—	
Furniture	2		Stairs	1	
Ladder (portable)	—		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS	IBM	CLASS CODE 04 (53 - 54)	NO. INSPECTED 4 (55 - 58)	NO. SATISFACTORY 4 (59 - 62)

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Combustible Gas	—		Steam (Bld Ht.- Below 250 psig)	1	
Flammable Liquid	—		Steam (High Pressure - above - 250 psig)	—	
Toxic or Corrosive Liquid	2	H_2SO_4, Trichlor	Air	1	
Toxic or Corrosive Gas	—		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Cleaning Tank	9. Insulation	1. Broken	9. Kinked
2. Controls	10. Pipe	2. Corroded	10. Leaking
3. Couplings	11. Regulators	3. Damaged	11. Missing
4. Metal Containers	12. Safety Devices	4. Deteriorated	12. Not Pinned
5. Glass Containers	13. Tubing	5. Inadequate	13. Not Properly Identified
6. Hose	14. Valves	6. Inadequate Pressure Rating	14. Not Sealed
7. Grounding	15. Vents	7. Incorrect	15. Not Shielded
8. Guards or Supports	16. Housing	8. Inoperative	16. Plugged
	17. Other (Note in Remarks)		17. Other (Note in Remarks)

REM

03 - Work Surfaces 04 - Piping and Containers

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

ELECTRICAL	IBM	CLASS CODE 05 (53 - 54)	NO. INSPECTED 10 (55 - 58)	NO. SATISFACTORY 9 (59 - 62)

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM - CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Corded Equipment	4	1 (11 — 5) Portable grinder
Utilization Equipment	6	
Other (Note in Remarks)	—	
High Voltage Equipment (Above 480 Volts)		
Disconnects	—	
Rotating Equipment	—	
Other (Note in Remarks)	—	

ITEMS UNSATISFACTORY

1. Boxes
2. Box Covers
3. Conduit
4. Connectors
5. Breaker
6. Grounds
7. Ground Mats
8. Identification
9. Inspection Date and Tag
10. Insulation
11. Plugs
12. Receptacles
13. Safety Switch
14. Switch
15. Warning Signs
16. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Does Not Meet Plant Specifications
6. Exposed Terminals
7. Missing
8. Not Provided
9. Ungrounded
10. Unguarded
11. Other (Note in Remarks)

REMARKS:

WORK PRACTICES	IBM	CLASS CODE 06 (53 - 54)	NO. INSPECTED 4 (55 - 58)	NO. SATISFACTORY 4 (59 - 62)

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	1		Use of Safe Attire	1	
Use of Tools	—		Use of Personnel Portective Devices	—	
Use and Maintenance of Machines & Equipment	1		Work Habits	1	
Use of Ionizing Radiation Sources	—				

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Use
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

05 - Electrical 06 - Work Practices

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS	IBM	CLASS CODE 07	NO. INSPECTED	NO. SATISFACTORY
		53 - 54	55 - 58	59 - 62

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Elk owered	1	
Hand	3	
Hydraulic	—	
Pneumatic Powered	—	
Powder Actuated	—	
Laboratory Glassware	—	

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES	IBM	CLASS CODE 08	NO. INSPECTED	NO. SATISFACTORY
		53 - 54	55 - 58	59 - 62

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor	—		Power Truck	—	
Chain Hoist	—		Tractor	—	
Electric Hoist	2		Plant Railway	—	
Winch or Tugger	—		Skid	—	
Sling	8	2(5-5)	Pallet	4	
Lifting Fixture	4		Bicycle	—	
Dolley	1		Bus	—	
Hand Truck	—		Passenger Car	—	
Wheelbarrow	—		Motor Truck	—	
Fork Truck	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART

1. Access Ladders	9. Couplings	17. Fittings	25. Hitches	33. Runers
2. Bell	10. Crank	18. Forks	26. Hooks	34. Switches
3. Brakes	11. Crossing Signals	19. Frame	27. Horn	35. Ties
4. Bumping Post	12. Crossing Signs	20. Glass	28. Interlocks	36. Track
5. Cable	13. Dead Man Controls	21. Grounding Connection	29. Lights	37. Wheels
6. Chain	14. Deck	22. Guards	30. Limitswitches	38. Whistle
7. Clearance Markers	15. Dog	23. Handles	31. Road Bed	39. Other (Note in Remarks)
8. Controls	16. Exhaust	24. Handrails	32. Rope	

UNSATISFACTORY CONDITION

1. Broken	5. Damaged	9. Improperly Located	13. Maintenance	17. Other (Note in Remarks)
2. Construction	6. Deteriorated	10. Inadequate	14. Missing	
3. Corroded	7. Illegible	11. Inoperative	15. Overloaded	
4. Cracked	8. Improperly Adjusted	12. Kinked	16. Protruding Fastenings	

REF :

07 - Hand and Portable Power Tools- 08 - Materials Handling Equiment - Vehicles

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS—COMPRESSED GAS CYLINDERS	IBM	CLASS CODE 09	NO. INSPECTED 4	NO. SATISFACTORY 4
		53 - 54	55 - 58	59 - 62

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Ac. ank	—		Freon Tank	1	
Air Receivers	—		HF Tank	—	
Boilers	—		UF_6 Containers	—	
Compressed Gas Cylinders	3		Water Storage Heaters	—	
Fluorine Tank	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Past Due
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Plugged
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Unsecured
4. Dikes	11. Shell	4. Deterioated	11. Missing	18. Other (Note in Remarks)
5. Drip Pans	12. Test	5. Inadequate	12. Not Sealed	
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Shielded	
7. Grounding or Bonding	14. Other (Note in Remarks)	7. Incorrect	14. Open Valve	

REMARKS:

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

MACHINERY AND EQUIPMENT	ITEM	CLASS CODE 10 (53 - 54)	NO. INSPECTED 6 (55 - 58)	NO. SATISFACTORY 5 (59 - 62)

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Bt Pedestal Grinder	1		Press Brake	—	
Blower	—		Pulverizer	—	
Boring Mill	—		Pump	2	1(14 — 10) X
Centrifuge	—		Saw (band - metal)	—	
Compressor	—		Saw (band - wood)	—	
Crusher	—		Saw (circular - metal)	—	
Diesels (stationary)	—		Saw (circular- -wood)	—	
Drill Press	1		Saw (jig)	—	
Fans	2		Saw (power - rip)	—	
Forming Rolls	—		Saw (radial)	—	
Gear Cutter	—		Saw (swing)	—	
Grinding Machine	—		Screw Machine	—	
Hobber	—		Shaper (metal)	—	
Jointer	—		Shaper (wood)	—	
Lathe (engine)	—		Shears	—	
Lathe (turret)	—		Slicer	—	
Lathe (woodworking)	—		Welding or Cutting Unit Oxyacetylene - Manual	—	
Mi	—		Welding or Cutting Unit Electric - Manual	—	
Paper cutter	—		Welding or Cutting Unit Oxyacetylene - Automatic	—	
Planer (metal)	—		Welding or Cutting Unit Electric - Automatic	—	
Planer (wood)	—				
Power Press	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	12. Feed Device	23. Limit Stop	1. Broken	11. Rough
2. Blowpipe	13. Grounding	24. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (electrode)	14. Guard	25. Regulator	3. Defective	13. Valve Open
4. Cable (power)	15. Guard (belt)	26. Safety Device	4. Improperly Adjusted	14. Wrong Size or Type
5. Chip Screen	16. Guard (gears)	27. Screens	5. Improperly Located	15. Other (Note in Remarks)
6. Clamp or Vise	17. Guard (projecting stock)	28. Spindle	6. Improperly Secured	
7. Controls	18. Guard (splash)	29. Tool Rest	7. Inadequate	
8. Cylinder Cart	19. Guard (tool or die)	30. Torch	8. Inoperative	
9. Cylinder	20. Guard (wheel)	31. Wheel Dressing	9. Maintenance	
10. Dust Collector	21. Hose	32. Other (Note in Remarks)	10. Missing	
11. Flanges	22. Inspection Date and Tag			

REMARKS:

(Line not in operation. — no crew).

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE
V-1401	MODIFICATION AREA	01	43
1 B M 1-48		49-50	51-52

AUDIT BY (SIGNATURE): [illegible]

REVIEWED WITH (SIGNATURE): [illegible]

FIXED PROTECTION (Personal - Fire)	IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
		01	9	9	10/21/61
		53 - 54	55 - 58	59 - 62	63 - 70

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Sprinkler System	1		Fire Extinguishers	3	
Emergency Exits	1		Protective Equip. Supply	1	
Emergency Station	—		P. A. System	—	
Evacuation Alarm	—		Safety Showers	1	
Eye Baths	—		Standpipes	1	
Fire Alarm Boxes	1		Other (Note in Remarks)	—	
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Damaged	10. Missing
2. Contents	11. Respiratory Equipment	2. Deteriorated	11. Not Labelled
3. Door	12. Rack	3. Dirty	12. Not Lighted
4. Fusible Link	13. Rollers	4. Improperly Stored	13. Not Posted
5. Hardware	14. Sprinkler Head	5. Inaccessible or Blocked	14. Out of Test Date
6. Hose	15. Stop Valve	6. Inadequate	15. Unsealed
7. Identification Light	16. Track	7. Inoperative	16. Other (Note in Remarks
8. Nozzle	17. Unit	8. Leaking	
9. Operating Instructions	18. Other	9. Location Not Indicated	

REMARKS:

ENVIRONMENTAL CONTROL	IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
		02	15	15
		53 - 54	55 - 58	59 - 62

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Cleanliness, Orderliness	1		Radiation (Thermal)	1	
Disposal of Scrap; Waste	1		Radiation (Arc, Ionizing)	3	
Protection of Hazardous or Flammable Refuse	1		Traffic Control	1	
Storage — Material and Equipment	1		Illumination	1	
Storage — Compressed Gas Cylinders	4	1 (6 - 15) *	Ventilation	1	
Vegetation Control	—		Other (Note in Remarks)	—	

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1 Grounds	1. Creates Fire Hazard	10. Inadequate or Improper Ventilation Equipment	19. Not Properly Secured
2. Lunch Room	2. Dirty	11. Inadequate Warning Signs	20. Pedestrian Lanes Not Indicated
3. Office	3. Excessive Accumulation	12. Incorrect Lighting Fixtures	21. Poor Arrangement
4. Storage Area	4. Excessive Glare	13. Inoperative Equipment	22. Poorly Stacked
5. Washroom	5. Fire Lanes Blocked	14. Insufficient Illumination	23. Unsafe Method Used
6. Work Area	6. Inadequate Barricades	15. Materials Not Stored in Designated Areas	24. Wrong Type Container
	7. Inadequate Insulation	16. Material Protruding into Aisles	25. Special Hazards Not Marked
	8. Inadequate Sheilding	17. Metal Cap Missing	26. Ventilation Equipment Not Being Used
	9. Inadequate Traffic Markers	18. No Containers	27. Other (Note in Remarks)

REMARKS:

* oxygen & acetylene on same side of fire barrier. (below to valve shop)

01 - Fixed Protection 02 - Environmental Control

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

WORK SURFACES	IBM	CLASS CODE 03 (53 - 54)	NO. INSPECTED 9 (55 - 58)	NO. SATISFACTORY 9 (59 - 62)

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Cat\	2		Ladder (stationery)	1	
Exit	1		Platforms	1	
Floors	1		Scaffolds	—	
Furniture	1		Stairs	1	
Ladder (portable)	1		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS	IBM	CLASS CODE 04 (53 - 54)	NO. INSPECTED 10 (55 - 58)	NO. SATISFACTORY 10 (59 - 62)

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Combustible Gas	3	O_2, Acet., Hyr	Steam (Bld Ht.- Below 250 psig)	2	
Flammable Liquid	—		Steam (High Pressure - above - 250 psig)	—	
Toxic or Corrosive Liquid	—		Air	2	
Toxic or Corrosive Gas	3	A, He	Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Cleaning Tank	9. Insulation	1. Broken	9. Kinked
2. Controls	10. Pipe	2. Corroded	10. Leaking
3. Couplings	11. Regulators	3. Damaged	11. Missing
4. Metal Containers	12. Safety Devices	4. Deteriorated	12. Not Pinned
5. Glass Containers	13. Tubing	5. Inadequate	13. Not Properly Identified
6. Hose	14. Valves	6. Inadequate Pressure Rating	14. Not Sealed
7. Grounding	15. Vents	7. Incorrect	15. Not Shielded
8. Guards or Supports	16. Housing	8. Inoperative	16. Plugged
	17. Other (Note in Remarks)		17. Other (Note in Remarks)

REM

03 - Work Surfaces 04 - Piping and Containers

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

ELECTRICAL	IBM	CLASS CODE 05	NO. INSPECTED 32	NO. SATISFACTORY 32
		53 - 54	55 - 58	59 - 62

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM - CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Corded Equipment	14	(OK - 1561)
Utilization Equipment	18	
Other (Note in Remarks)	—	
High Voltage Equipment (Above 480 Volts)		
Disconnects	/	
Rotating Equipment	/	
Other (Note in Remarks)	/	

ITEMS UNSATISFACTORY

1. Boxes
2. Box Covers
3. Conduit
4. Connectors
5. Breaker
6. Grounds
7. Ground Mats
8. Identification
9. Inspection Date and Tag
10. Insulation
11. Plugs
12. Receptacles
13. Safety Switch
14. Switch
15. Warning Signs
16. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Does Not Meet Plant Specifications
6. Exposed Terminals
7. Missing
8. Not Provided
9. Ungrounded
10. Unguarded
11. Other (Note in Remarks)

REMARKS:

WORK PRACTICES	IBM	CLASS CODE 06	NO. INSPECTED 34	NO. SATISFACTORY 33
		53 - 54	55 - 58	59 - 62

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	4		Use of Safe Attire	6	
Use of Tools	6		Use of Personnel Portective Devices	6	1 (25)
Use and Maintenance of Machines & Equipment	6		Work Habits	6	
Use of Ionizing Radiation Sources	—				

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Use
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

05 - Electrical 06 - Work Practices

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS	IBM	CLASS CODE 07	NO. INSPECTED 15	NO. SATISFACTORY 15
		53 - 54	55 - 58	59 - 62

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Elc owered	2	
Hand	12	
Hydraulic	1	
Pneumatic Powered	—	
Powder Actuated	—	
Laboratory Glassware	—	

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES	IBM	CLASS CODE 08	NO. INSPECTED 26	NO. SATISFACTORY 26
		53 - 54	55 - 58	59 - 62

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor	—		Power Truck	—	
Chain Hoist	—		Tractor	—	
Electric Hoist	1		Plant Railway	—	
Winch or Tugger	—		Skid	—	
Sling	20		Pallet	3	
Lifting Fixture	—		Bicycle	2	
Dolley	—		Bus	—	
Hand Truck	—		Passenger Car	—	
Wheelbarrow	—		Motor Truck	—	
Fork Truck	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART

1. Access Ladders	9. Couplings	17. Fittings	25. Hitches	33. Runers
2. Bell	10. Crank	18. Forks	26. Hooks	34. Switches
3. Brakes	11. Crossing Signals	19. Frame	27. Horn	35. Ties
4. Bumping Post	12. Crossing Signs	20. Glass	28. Interlocks	36. Track
5. Cable	13. Dead Man Controls	21. Grounding Connection	29. Lights	37. Wheels
6. Chain	14. Deck	22. Guards	30. Limitswitches	38. Whistle
7. Clearance Markers	15. Dog	23. Handles	31. Road Bed	39. Other (Note in Remarks)
8. Controls	16. Exhaust	24. Handrails	32. Rope	

UNSATISFACTORY CONDITION

1. Broken	5. Damaged	9. Improperly Located	13. Maintenance	17. Other (Note in Remarks)
2. Construction	6. Deteriorated	10. Inadequate	14. Missing	
3. Corroded	7. Illegible	11. Inoperative	15. Overloaded	
4. Cracked	8. Improperly Adjusted	12. Kinked	16. Protruding Fastenings	

RE :

07 - Hand and Portable Power Tools- 08 - Materials Handling Equiment - Vehicles

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS—COMPRESSED GAS CYLINDERS	IBM	CLASS CODE 09	NO. INSPECTED 24	NO. SATISFACTORY 24
		53 - 54	55 - 58	59 - 62

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART / CONDITION)
Acc ank	—		Freon Tank	—	
Air Receivers	—		HF Tank	—	
Boilers	—		UF6 Containers	—	
Compressed Gas Cylinders	24		Water Storage Heaters	—	
Fluorine Tank	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Past Due
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Plugged
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Unsecured
4. Dikes	11. Shell	4. Deterioated	11. Missing	18. Other (Note in Remarks)
5. Drip Pans	12. Test	5. Inadequate	12. Not Sealed	
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Shielded	
7. Grounding or Bonding	14. Other (Note in Remarks)	7. Incorrect	14. Open Valve	

REMARKS:

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

MACHINERY AND EQUIPMENT

IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
	10	10	10
	53 - 54	55 - 58	59 - 62

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Be Pedestal Grinder	1		Press Brake	—	
Blower	—		Pulverizer	—	
Boring Mill	—		Pump	2	
Centrifuge	—		Saw (band - metal)	—	
Compressor	1		Saw (band - wood)	—	
Crusher	—		Saw (circular - metal)	—	
Diesels (stationary)	—		Saw (circular- -wood)	—	
Drill Press	—		Saw (jig)	—	
Fans	2		Saw (power - rip)	—	
Forming Rolls	—		Saw (radial)	—	
Gear Cutter	—		Saw (swing)	—	
Grinding Machine	—		Screw Machine	—	
Hobber	—		Shaper (metal)	—	
Jointer	—		Shaper (wood)	—	
Lathe (engine)	—		Shears	—	
Lathe (turret)	—		Slicer	—	
Lathe (woodworking)	—		Welding or Cutting Unit Oxyacetylene - Manual	2	(1961 Inspection)
Mi	—		Welding or Cutting Unit Electric - Manual	—	
Paper Cutter	—		Welding or Cutting Unit Oxyacetylene - Automatic	—	
Planer (metal)	—		Welding or Cutting Unit Electric - Automatic	2	
Planer (wood)	—				
Power Press	—		Other (Note in Remarks)		

UNSATISFACTORY PART

1. Anti Kickbacks
2. Blowpipe
3. Cable (electrode)
4. Cable (power)
5. Chip Screen
6. Clamp or Vise
7. Controls
8. Cylinder Cart
9. Cylinder
10. Dust Collector
11. Flanges
12. Feed Device
13. Grounding
14. Guard
15. Guard (belt)
16. Guard (gears)
17. Guard (projecting stock)
18. Guard (splash)
19. Guard (tool or die)
20. Guard (wheel)
21. Hose
22. Inspection Date and Tag
23. Limit Stop
24. Lockout Device
25. Regulator
26. Safety Device
27. Screens
28. Spindle
29. Tool Rest
30. Torch
31. Wheel Dressing
32. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Damaged
3. Defective
4. Improperly Adjusted
5. Improperly Located
6. Improperly Secured
7. Inadequate
8. Inoperative
9. Maintenance
10. Missing
11. Rough
12. Sharp Edged
13. Valve Open
14. Wrong Size or Type
15. Other (Note in Remarks)

REMARKS:

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

JW

Page 1 of ____

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
721	Motor Repair Shop	01	11	01	3	3	9/12/64
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Auto Sprinkler System	1		Fire Extinguishers	11	
Emergency Exits			Protective Equip. Supply		
Emergency Station			P. A. System		
Evacuation Alarm			Safety Showers		
Eye Baths			Standpipes		
Fire Alarm Boxes			Other (Note in Remarks)		
Fire Doors					

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILD.	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
721	MOTOR REPAIR SHOP	01	11	02	10	7	9/12/64
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	IIII	11 *	Radiating Surfaces		
Illumination	1		Traffic Control		
Material Containment	11	1 **	Ventilation		
Radiation			Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Areas
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:
* WHILE CONSIDERABLE IMPROVEMENT IS NOTED, HOUSEKEEPING ITEMS CHECKED AS UNSATISFACTORY INCLUDES SUCH ITEMS AS, HOSE ON FLOOR, SLINGS & MISC METAL ON FLOOR, A FEW ITEMS ON TOP OF STORAGE CABINET OR TOP OF EQUIPMENT, EMPLOYEES COAT ON EQPT.
** DUE TO APPARENT SHORTAGE OF RACKS MANY SPOOLS OF WIRE ARE ON FLOOR IN RANDOM ARRANGEMENT

AUDITED BY (SIGNATURE) [illegible signature]

REVIEWED WITH (SIGNATURE) C. H. Lundeberg

01 - Fixed Protection
02 - Environmental Control

89-74 — 5-4

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING (IBM 1-5)	LOCATION (6-45)	DIVISION CODE (46-49)	LOCATION CODE (50-51)	CLASS CODE (52-53)	NO. INSPECTED (54-57)	NO. SATISFACTORY (58-61)	DATE (62-67)
1401	MOTOR SHOP	01	11	03	14	11	9/12/1

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Catwalks			Ladder (stationery)		
Exit	1		Platforms		
Floors	III	1 *	Scaffolds		
Furniture	~~III~~	11 (STOOLS DEFECTIVE)	Stairs		
Ladder (portable)	11		Other (Note in Remarks)		

PART UNSATISFACTORY

1. Anchorage
2. Barricades
3. Braces
4. Cage
5. Drainage
6. Entire Unit
7. Extension Lock
8. Fastenings
9. Foundation
10. Handrails
11. Hinges
12. Non Slip Feet
13. Side Rails
14. Spreaders
15. Steps or Rungs
16. Surface
17. Toeboard
18. Tread
19. Trench Cover
20. Uprights
21. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Defective
5. Inaccessible or Blocked
6. Inadequate
7. Inoperative
8. Loose
9. Missing
10. Not Clearly Visible
11. Not Well Illuminated
12. Not Well Marked
13. Overload
14. Slippery
15. Splintered
16. Split
17. Wobbly
18. Worn
19. Other (Note in Remarks)

REMARKS: * SPOTS of VARNISH AT SEVERAL POINTS, (DRIED) and OIL SPILL NOT TREATED WITH ABSORBENT.

PIPING AND CONTAINERS

BUILDING (IBM 1-5)	LOCATION (6-45)	DIVISION CODE (46-49)	LOCATION CODE (50-51)	CLASS CODE (52-53)	NO. INSPECTED (54-57)	NO. SATISFACTORY (58-61)	DATE (62-67)
1401	MOTOR SHOP	01	11	04	1	0	9/12/1

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine			Steam (Bldg Ht - Below 15 psig)		
Hydrofluoric Acid			Steam (Low Pressure - 15-250 psig)		
Natural Gas			Steam (High Pressure - above 250 psig)		
Pyrofax			Other (Note in Remarks) PLANT AIR	1	1 (4-13)

PART UNSATISFACTORY

1. Carboys
2. Cleaning Tank
3. Controls
4. Couplings
5. Drums
6. Glassware
7. Hose
8. Grounding
9. Guards or Supports
10. Identification
11. Insulation
12. Pipe
13. Safety Devices
14. Tubing
15. Vents
16. Housing
17. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Corroded
3. Damaged
4. Deteriorated
5. Inadequate
6. Inadequate Pressure Rating
7. Incorrect
8. Indistinct
9. Inoperative
10. Kinked
11. Leaking
12. Missing
13. Not Pinned
14. Not Sealed
15. Not Shielded
16. Plugged
17. Other (Note in Remarks)

REMARKS:

AUDITED BY (SIGNATURE) [illegible]

REVIEWED WITH (SIGNATURE) C H Lundeberg

03 - Work Surfaces
04 - Piping & Containers

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Motor Repair Shop	01	11	05	23	21	8/12/1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

IT NSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low V ge Equipment (Below 480 Volts)	~~11~~	1 (1 *
Corded Equipment	~~11~~	
Utilization Equipment	11	
High Voltage Equipment (Above 480 Volts)		
Disconnects		
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
5. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

* BOX ON FAN HAS NO COVER

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Motor Repair Shop	01	11	06	5	4	8/12/1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	11	1 *	Use of Safe Attire	1	
Use of Tools	1		Use of Personnel Protective Devices	1	
Use and Maintenance of Machines & Equipment			Work Habits		
Use of Ionizing Radiation Sources					

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

* WIRE SLING OVER SHARP EDGES WHILE LIFTING 750 HP MOTOR

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05 - Electrical
06 - Work Practices

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Motor Repair Shop	01	11	07	15	15	9/12/1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE OF TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered	11	
Hand	14	
Hydraulic		
Pneumatic Powered	11	
Powder Actuated		

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks.
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Motor Repair Shop	07	11	08	10	10	9/12/1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor			Power Truck		
Chain Hoist			Tractor		
Electric Hoist	11		Plant Railway		
Winch or Tugger			Skid	1	
Sling	111		Pallet		
Lifting Fixture	11		Bicycle		
Dolley			Bus		
Handtruck	1		Passenger Car		
Wheelborrow			Motor Truck		
Fork Truck			Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Crossing Signals	25. Hitches	39. Other (Note in Remarks)
12. C[illegible] Signs	26. Hooks	
13. D[illegible]n Control	27. Horn	
14. Deck	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

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REVIEWED (WITH SIGNATURE) [illegible]

07 - Power Tools
08 - Materials Handling

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Motor Repair Shop	01	11	09	3	3	9/22/
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Acet ank			Freon Tank		
Air Receivers			HF Tank		
Boilers			UF_6 Containers		
Compressed Gas Cylinders	///		Water Storage Heaters		
Fluorine Tank			Other *(Note in Remarks)*		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other *(Note in Remarks)*
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other *(Note in Remarks)*	7. Incorrect	14. Not Shielded	

REMARKS:

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09 - Pressure Vessels & Gas Cylinders

SAFETY AUDIT REPORT
-UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Motor Repair Shop	01	11	10	10	4	9/21/
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Aut : Arc Cutting Unit			Oxygen-Arc Cutting Unit	1	
Automatic Arc Welding Unit			Paper Cutter		
Bench or Pedestal Grinder	1	1(18-7)	Planer (metal)		
Blower			Planer (wood)		
Boring Mill			Power Press		
Centrifuge			Press Brake		
Compressor			Pulverizer		
Crusher			Pump		
Diesels (stationary)			Saw (band - metal)		
Drill Press	1		Saw (band - wood)		
Fans	11	11 *	Saw (circular - metal)		
Forming Rolls			Saw (circular - wood)		
Gear Cutter			Saw (jig)		
Grinding Machine			Saw (power - rip)		
Hobber			Saw (radial)		
Jointer			Saw (swing)		
Lathe (engine)			Screw Machine		
Lat ret)			Shaper (metal)		
Lathe (woodworking)			Shaper (wood)		
Manual Arc Cutting Unit			Shears		
Manual Arc Welding Unit			Slicer		
Mixer			Other (Note in Remarks)	1	1 (13 **)

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

* WALL TYPE FANS USED AT WORK LEVEL WITHOUT HAVING WIREMESH COVER FOR REGULAR GUARD

** COIL WINDING MACHINE HAS EXPOSED BELT DRIVE

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10 - Machinery and Equipment

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

Page 1 of ____

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Tool Grinding Shop	01	21	01	1	0	8/30/1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto Sprinkler System			Fire Extinguishers	1	1 *
Emergency Exits			Protective Equip. Supply		
Emergency Station			P. A. System		
Evacuation Alarm			Safety Showers		
Eye Baths			Standpipes		
Fire Alarm Boxes			Other *(Note in Remarks)*		
Fire Doors					

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other *(Note in Remarks)*
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:
— NEEDS TO BE MOUNTED.

ENVIRONMENTAL CONTROL

BUILD.	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO SATISFACTORY	DATE
1401	Tool Grinding Shop	01		02	11	8	8/30/1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	11	1 *	Radiating Surfaces		
Illumination	11		Traffic Control		
Material Containment	11	1 **	Ventilation		
Radiation			Other *(Note in Remarks)*		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Areas
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other *(Note in Remarks)*
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS: * PAPER SCRAP IN PAPER BOX AND WOODEN W/ FLAMMABLE MATERIAL USED
** { MATERIAL STORED IN FLOOR, FILE DRAWER OPEN INTO AISLE, NO METAL CONTAINER PROVIDED FOR RAGS

4836 — 15-15

AUDITED BY (SIGNATURE) B.J. Shinn

REVIEWED WITH (SIGNATURE) O.T. Clayton

01 - Fixed Protection
02 - Environmental Control

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
[illegible]	[illegible]	0		03	7	3	8/30/11
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Cat.			Ladder (stationery)		
Exit			Platforms	1	1 *
Floors	1		Scaffolds		
Furniture	1		Stairs		
Ladder (portable)			Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

* PACKING BOX NOT SUITABLE WORK PLATFORM FOR MACHINE OVERHAUL.

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401				04			
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine			Steam (Bldg Ht - Below 15 psig)		
Hydrofluoric Acid			Steam (Low Pressure - 15-250 psig)		
Natural Gas			Steam (High Pressure - above 250 psig)		
Pyrofax			Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE) [illegible]

REVIEWED WITH (SIGNATURE) [illegible]

03 - Work Surfaces
04 - Piping & Containers

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1701	TOOL GRINDING SHOP			05	18	12	8/30/
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEMS INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)	~~IIII~~	~~IIII~~ (7-7)
Corded Equipment	IIII	I (7-7)
Utilization Equipment	III	
High Voltage Equipment (Above 480 Volts)		
Disconnects		
Rotating Equipment		
Other *(Note in Remarks)*		

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other *(Note in Remarks)*

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
5. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1701	TOOL GRINDING SHOP			06	15	15	8/30/1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling			Use of Safe Attire	~~IIII~~	
Use of Tools			Use of Personnel Protective Devices	~~IIII~~	
Use and Maintenance of Machines & Equipment	~~IIII~~		Work Habits		
Use of Ionizing Radiation Sources					

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

AUDITED BY (SIGNATURE) D.B.H. Shum

REVIEWED WITH (SIGNATURE) H Clayton

05 - Electrical
06 - Work Practices

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
[illegible]	[illegible]	-		07		-	[illegible]
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Elec owered		
Hand	[illegible]	
Hydraulic		
Pneumatic Powered		
Powder Actuated		

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILD.	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
[illegible]	[illegible]	51		08	1	1	8/30/[illegible]
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor			Power Truck		
Chain Hoist			Tractor		
Electric Hoist	1		Plant Railway		
Winch or Tugger			Skid		
Sling			Pallet		
Lifting Fixture			Bicycle		
Dolley			Bus		
Handtruck			Passenger Car		
Wheelbarrow			Motor Truck		
Fork Truck			Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Crossing Signals	25. Hitches	39. Other (Note in Remarks)
12. Cr ı Signs	26. Hooks	
13. D ı Control	27. Horn	
14. De.	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE) [illegible]

REVIEWED WITH (SIGNATURE) O F Clayton

07 - Power Tools
08 - Materials Handling

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
7				09			
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Ace. ank			Freon Tank		
Air Receivers			HF Tank		
Boilers			UF_6 Containers		
Compressed Gas Cylinders			Water Storage Heaters		
Fluorine Tank			Other *(Note in Remarks)*		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other *(Note in Remarks)*
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other *(Note in Remarks)*	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE) OF Clayton

09 - Pressure Vessels & Gas Cylinders

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
				10	7	6	
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto Arc Cutting Unit			Oxygen-Arc Cutting Unit		
Automatic Arc Welding Unit			Paper Cutter		
Bench or Pedestal Grinder	/		Planer (metal)		
Blower			Planer (wood)		
Boring Mill			Power Press		
Centrifuge			Press Brake		
Compressor			Pulverizer		
Crusher			Pump		
Diesels (stationary)			Saw (band - metal)		
Drill Press			Saw (band - wood)		
Fans	///		Saw (circular - metal)		
Forming Rolls			Saw (circular - wood)		
Gear Cutter			Saw (jig)		
Grinding Machine	///	/	Saw (power - rip)		
Hobber			Saw (radial)		
Jointer			Saw (swing)		
Lathe (engine)			Screw Machine		
Lathe (turret)			Shaper (metal)		
Lathe (woodworking)			Shaper (wood)		
Manual Arc Cutting Unit			Shears		
Manual Arc Welding Unit			Slicer		
Mixer			Other *(Note in Remarks)*		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other *(Note in Remarks)*
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other *(Note in Remarks)*	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

GRAVEL DOES NOT APPEAR TO BE [illegible]

AUDITED BY (SIGNATURE) [illegible]

REVIEWED WITH (SIGNATURE) O F Clayton

10 - Machinery and Equipment

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

Page 1 of ____

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-25	SPECIAL SHOP	01	21	01	2	2	8/30/1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Auton Sprinkler System			Fire Extinguishers	1	
Emergency Exits			Protective Equip. Supply		
Emergency Station			P. A. System		
Evacuation Alarm			Safety Showers		
Eye Baths			Standpipes		
Fire Alarm Boxes			Other (Note in Remarks)	1	
Fire Doors					

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-25	SPECIAL SHOP	01		02	6	5	8/30/1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	111		Radiating Surfaces		
Illumination			Traffic Control		
Material Containment	11	1 *	Ventilation		
Radiation			Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Areas
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS: * SHEET METAL EXTENDING FROM FILLET ON RAISED FLOOR - METAL & WOODEN BLOCKS [illegible], ALSO EXTENSION CORD IN FRONT OF [illegible] Bld. d-2016

49-42—43

AUDITED BY (SIGNATURE) [illegible]

REVIEWED WITH (SIGNATURE) R. B. Brown

01 - Fixed Protection
02 - Environmental Control

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
401	[illegible]	01		03	7	5	8/30/
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED		NO. UNSATISFACTORY (PART - REASON)
Catwalks			Ladder (stationery)		
Exit	1		Platforms		
Floors	11	1 ✗✗	Scaffolds		
Furniture	11	1 ✗	Stairs		
Ladder (portable)			Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:
GUIDE LOOSE ON TOP CABINET.
✗✗ WOODEN PALS PLACE METAL SHAVINGS COLLECTING IN CRACKS, IF URANIUM MATERIALS AS SUSPECTED CONTINUED BUILD-UP MAY BEE POTENTIAL FIRE HAZARD.

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
				04			
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine			Steam (Bldg Ht - Below 15 psig)		
Hydrofluoric Acid			Steam (Low Pressure - 15-250 psig)		
Natural Gas			Steam (High Pressure - above 250 psig)		
Pyrofax			Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE) [illegible]

REVIEWED WITH (SIGNATURE) R. B. Brown

03 - Work Surfaces
04 - Piping & Containers

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

Page 3 of ____

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
401	STEINMAN SHOP	01		05	15	12	8/30/1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)	////	11 (7-7)
Corded Equipment	11	1 (8-7)
Utilization Equipment		
High Voltage Equipment (Above 480 Volts)		
Disconnects		
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
6. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	STEINMAN SHOP			06	4	3	8/30/1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling			Use of Safe Attire	/	
Use of Tools	/		Use of Personnel Protective Devices	/	
Use and Maintenance of Machines & Equipment			Work Habits		/ ✗
Use of Ionizing Radiation Sources					

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

1 HAVING KEPT IN DRUM NOT COVERED BY LIQUID.

AUDITED BY (SIGNATURE) R. T. Shum

REVIEWED WITH (SIGNATURE) R B Brown

05 - Electrical
06 - Work Practices

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	SPECIMEN SHOP	01		07	9	9	8/30/
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE OF TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered	11	
Hand	~~11~~	
Hydraulic		
Pneumatic Powered		
Powder Actuated		

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	SPECIMEN SHOP	01		08	2	2	8/30/
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor			Power Truck		
Chain Hoist			Tractor		
Electric Hoist			Plant Railway		
Winch or Tugger			Skid		
Sling			Pallet	/	
Lifting Fixture			Bicycle		
Dolley	/		Bus		
Handtruck			Passenger Car		
Wheelbarrow			Motor Truck		
Fork Truck			Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Crossing Signals	25. Hitches	39. Other (Note in Remarks)
12. Cr[illegible] Signs	26. Hooks	
13. D[illegible]n Control	27. Horn	
14. Deck	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE) [illegible]

REVIEWED WITH (SIGNATURE) R. R. Brown

07 - Power Tools
08 - Materials Handling

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
				09			
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Acetylene Tank			Freon Tank		
Air Receivers			HF Tank		
Boilers			UF_6 Containers		
Compressed Gas Cylinders			Water Storage Heaters		
Fluorine Tank			Other *(Note in Remarks)*		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other *(Note in Remarks)*
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other *(Note in Remarks)*	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

09 - Pressure Vessels & Gas Cylinders

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
				10	8	7	
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MA E INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Arc Cutting Unit			Oxygen-Arc Cutting Unit		
Automatic Arc Welding Unit			Paper Cutter		
Bench or Pedestal Grinder			Planer (metal)		
Blower			Planer (wood)		
Boring Mill			Power Press		
Centrifuge			Press Brake		
Compressor			Pulverizer		
Crusher			Pump		
Diesels (stationary)			Saw (band - metal)	1	1 *
Drill Press	1		Saw (band - wood)		
Fans			Saw (circular - metal)		
Forming Rolls			Saw (circular - wood)		
Gear Cutter			Saw (jig)		
Grinding Machine			Saw (power - rip)		
Hobber			Saw (radial)		
Jointer			Saw (swing)		
Lath ngine)	///		Screw Machine		
Lati ret)			Shaper (metal)		
Lathe (woodworking)			Shaper (wood)		
Manual Arc Cutting Unit			Shears		
Manual Arc Welding Unit			Slicer		
Mixer			Other ~~(Note in Remarks)~~ MILLING	1	

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other *(Note in Remarks)*
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other *(Note in Remarks)*	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS: * FOOT CONTROL NEED COVER TO PREVENT ACCIDENTAL START

AUDITED BY (SIGNATURE) [illegible]

REVIEWED WITH (SIGNATURE) R B Brown

10 - Machinery and Equipment

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

JW

Page 1 of ____

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Weld Shop	01	23	01	6	5	8-11-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto. Sprinkler System			Fire Extinguishers	11	1(**)
Emergency Exits			Protective Equip. Supply		
Emergency Station	1		P. A. System		
Evacuation Alarm			Safety Showers		
Eye Baths			Standpipes		
Fire Alarm Boxes	11		Other (Note in Remarks)		
Fire Doors					

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:
* CB's Face shield Hanging on one of the Extinguisher.
** Extinguisher Pressure Blocked In Column I, 17

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Weld Shop	01		02	11	9	8/11/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	1111	1 (+17 1*	Radiating Surfaces		
Illumination			Traffic Control		
Material Containment	111	1 (4 OUTDOOR)	Ventilation	1	
Radiation			Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Areas
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:
Paint Fire Hydrants Still in Wrong Place After Repeated Requests.

124-110—11-9

AUDITED BY (SIGNATURE) [illegible]

REVIEWED WITH (SIGNATURE) J. Gillespie

01 - Fixed Protection
02 - Environmental Control

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
[illegible]	[illegible]	01		03	[illegible]	1	[illegible]
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Catwalks			Ladder (stationery)		
Exit	1		Platforms		
Floors	1		Scaffolds		
Furniture			Stairs		
Ladder (portable)	1		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1-01	[illegible]	01		04	2	1	8/11/1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine			Steam (Bldg Ht - Below 15 psig)		
Hydrofluoric Acid			Steam (Low Pressure - 15-250 psig)		
Natural Gas			Steam (High Pressure - above 250 psig)		
Pyrofax			Other (Note in Remarks) AIR	1	1 (No PIN IN COUPLING)

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE) [illegible]

REVIEWED WITH (SIGNATURE) G. Gillespie

03 - Work Surfaces
04 - Piping & Containers

SAFETY-AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	[illegible]	01		05	24	23	8/11/1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

IT SPECTED	NO.	NO. UNSATISFACTORY (ITEM - CONDITION)
Low V. ge Equipment (Below 480 Volts)	~~IIII~~	III (7-6)
Corded Equipment	~~IIII~~	I (7-6)
Utilization Equipment		
High Voltage Equipment (Above 480 Volts)		
Disconnects		
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
6. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS: IDENTIFICATION of SWITCH BOXES ETC PARTIALLY COMPLETE.

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	[illegible]			06	11	9	8/11/1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	I		Use of Safe Attire	IIII	
Use of Tools	I		Use of Personnel Protective Devices		
Use and Maintenance of Machines & Equipment	I		Work Habits	II	I * I (**)
Use of Ionizing Radiation Sources					

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS: * AIR TESTING LOW PRESSURE WITHOUT RELIEF DEVICE IN LINE.
** Watching welding without proper eye protection.

AUDITED BY (SIGNATURE) [illegible]

REVIEWED WITH (SIGNATURE) D. Gillespie

05 - Electrical
06 - Work Practices

-SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Weld Shop	01		07	23	20	8/11/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered	1	
Hand	~~1~~ 11	11 Files No Handle
Hydraulic		
Pneumatic Powered	111	
Powder Actuated		

UNSATISFACTORY TOOL		
1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION			
1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Weld Shop	01		08	19	19	8/11/
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor			Power Truck		
Chain Hoist			Tractor		
Electric Hoist	~~1~~		Plant Railway		
Winch or Tugger			Skid		
Sling	~~111~~		Pallet	111	
Lifting Fixture			Bicycle		
Dolley	1		Bus		
Handtruck	11		Passenger Car		
Wheelbarrow			Motor Truck		
Fork Truck			Other (Note in Remarks)		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Access Ladders	15. Dog	29. Lights	1. Broken	15. Overloaded
2. Bell	16. Exhaust	30. Limitswitches	2. Construction	16. Protruding Fastenings
3. Brakes	17. Fittings	31. Road Bed	3. Corroded	17. Other (Note in Remarks)
4. Bumping Post	18. Forks	32. Rope	4. Cracked	
5. Cable	19. Frame	33. Runners	5. Damaged	
6. Chain	20. Glass	34. Switches	6. Deteriorated	
7. Clearance Markers	21. Grounding Connection	35. Ties	7. Illegible	
8. Controls	22. Guards	36. Track	8. Improperly Adjusted	
9. Couplings	23. Handles	37. Wheels	9. Improperly Located	
0. Crank	24. Handrails	38. Whistle	10. Inadequate	
1. Cr[illegible]q Signals	25. Hitches	39. Other (Note in Remarks)	11. Inoperative	
2. C[illegible] Signs	26. Hooks		12. Kinked	
3. D[illegible]n Control	27. Horn		13. Maintenance	
4. Deck	28. Interlocks		14. Missing	

REMARKS:

AUDITED BY (SIGNATURE) [illegible]

REVIEWED WITH (SIGNATURE) S. Gillespie

07 - Power Tools
08 - Materials Handling

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Weld Shop			09	20	20	8/11/6
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Acetc ank			Freon Tank		
Air Receivers			HF Tank		
Boilers			UF_6 Containers		
Compressed Gas Cylinders	~~ALL~~ ~~ALL~~		Water Storage Heaters		
Fluorine Tank			Other *(Note in Remarks)*		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other *(Note in Remarks)*
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other *(Note in Remarks)*	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE) [signature]

REVIEWED WITH (SIGNATURE) [signature]

09 - Pressure Vessels & Gas Cylinders

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
				10	13	10	5/1/11
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto. [illegible] Arc Cutting Unit	1		Oxygen-Arc Cutting Unit		
Automatic Arc Welding Unit			Paper Cutter		
Bench or Pedestal Grinder	11	1 *	Planer (metal)		
Blower			Planer (wood)		
Boring Mill			Power Press	1	
Centrifuge			Press Brake		
Compressor			Pulverizer		
Crusher			Pump		
Diesels (stationary)			Saw (band - metal)	1	
Drill Press			Saw (band - wood)		
Fans			Saw (circular - metal)	1	
Forming Rolls			Saw (circular - wood)		
Gear Cutter			Saw (jig)		
Grinding Machine			Saw (power - rip)		
Hobber			Saw (radial)		
Jointer			Saw (swing)		
Lathe (engine)	1		Screw Machine		
Lat[illegible] ret)			Shaper (metal)		
Lathe (woodworking)			Shaper (wood)		
Manual Arc Cutting Unit			Shears		
Manual Arc Welding Unit	111	111 - (20)	Slicer		
Mixer			Other (Note in Remarks)		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

* SHIELD CRACKED

AUDITED BY (SIGNATURE) [illegible]

REVIEWED WITH (SIGNATURE) S. Gillespie

10 - Machinery and Equipment

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

J.W.

Page 1 of ____

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1401	CONVERTER MODIFICATION. *	01	43	01	4	4	6-26-1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto Sprinkler System			Fire Extinguishers	11	
Emergency Exits			Protective Equip. Supply		
Emergency Station			P. A. System		
Evacuation Alarm			Safety Showers		
Eye Baths			Standpipes		
Fire Alarm Boxes	11		Other (Note in Remarks)		
Fire Doors					

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1401	CONVERTER MODIFICATION	01	43	02	9	7	6-26-1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	~~11~~	1 (1-16)*** 1 (6****	Radiating Surfaces		
Illumination			Traffic Control	1	
Material Containment	1	(**	Ventilation		
Radiation			Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Areas
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:
(* H&G BAYS THIS REPLACES : FORMER CONVERTER SPOOL ASSEMBLY LOCATION)
** LIDS NOT KEPT ON SOME TRASH CONTAINERS
*** A FEW ITEMS ON FLOOR BUT GENERALLY A NEAT & WELL KEPT AREA.
**** SEVERAL ITEMS APPARENTLY EXCESS OR SCRAP NEAR COL. G 15½

65-58-10-8

AUDITED BY (SIGNATURE) [signature]

REVIEWED WITH (SIGNATURE) D. F. Pickey

01 - Fixed Protection
02 - Environmental Control

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	CONVERTER MODERNIZATION	01	43	03	9	7	6-2-1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Catwalks			Ladder (stationery)		
Exit			Platforms	//	
Floors	////		Scaffolds		
Furniture			Stairs	//	1 (10-9) **
Ladder (portable)	1	*	Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders.	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS: * 3 STEP PLATFORM A LITTLE "SHAKEY" and GENERALLY DEFECTIVE.
** AT COL A9 — REVISION TO EXISTING DESIGN DID NOT INCORPORATE GOOD HANDRAIL ARRANGEMENTS.

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
				04			
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine			Steam (Bldg Ht - Below 15 psig)		
Hydrofluoric Acid			Steam (Low Pressure - 15-250 psig)		
Natural Gas			Steam (High Pressure - above 250 psig)		
Pyrofax			Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE) [signature]

REVIEWED WITH (SIGNATURE) D. B. Dickey

03 - Work Surfaces
04 - Piping & Containers

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Converter Modification	01	43	05	15	14	6-26-1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEMS INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)	~~14~~/~~14~~	1(7-6) Cod. H 12½
Corded Equipment	14	
Utilization Equipment	11	
High Voltage Equipment (Above 480 Volts)		
Disconnects		
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
6. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	CONVERTER MODIFICATION	01	43	06	10	8	6-26-1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	—		Use of Safe Attire	~~11~~	
Use of Tools	1		Use of Personnel Protective Devices	1111	1(25 1(28
Use and Maintenance of Machines & Equipment			Work Habits		
Use of Ionizing Radiation Sources					

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

AUDITED BY (SIGNATURE) [signature]

REVIEWED WITH (SIGNATURE) [signature]

05 - Electrical
06 - Work Practices

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	CONVERTER MODIFICATION	01		07	10	9	6-26-1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered	—	
Hand	~~1~~	1 (25-2)
Hydraulic	—	
Pneumatic Powered		
Powder Actuated		

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	CONVERTER MODIFICATION	01	43	08	8	8	6-26-1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor			Power Truck		
Chain Hoist	1		Tractor		
Electric Hoist	1		Plant Railway		
Winch or Tugger			Skid		
Sling	~~1~~		Pallet		
Lifting Fixture	1		Bicycle		
Dolley			Bus		
Handtruck			Passenger Car		
Wheelbarrow			Motor Truck		
Fork Truck			Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Cr[illegible]g Signals	25. Hitches	39. Other (Note in Remarks)
12. C[illegible] Signs	26. Hooks	
13. De[illegible]n Control	27. Horn	
14. Deck	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE) [illegible]

REVIEWED WITH (SIGNATURE) [illegible]

07 - Power Tools
08 - Materials Handling

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING (1-5)	LOCATION (6-45)	DIVISION CODE (46-49)	LOCATION CODE (50-51)	CLASS CODE (52-53)	NO. INSPECTED (54-57)	NO. SATISFACTORY (58-61)	DATE (62-67)
1401	Cemetery Modification	77	43	09	10	9	6-26-

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Acetone Tank			Freon Tank		
Air Receivers			HF Tank		
Boilers			UF_6 Containers		
Compressed Gas Cylinders	~~HH~~ ~~HH~~	1 (cap missing	Water Storage Heaters		
Fluorine Tank			Other (Note in Remarks)		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other (Note in Remarks)
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other (Note in Remarks)	7. Incorrect	14. Not Shielded	

REMARKS:

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09 - Pressure Vessels & Gas Cylinders

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
140	CONVERTER MODIFICATION	27	43	10	10	8	6-26-1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

M E INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Arc Cutting Unit	1		Oxygen-Arc Cutting Unit	1	
Automatic Arc Welding Unit	1		Paper Cutter		
Bench or Pedestal Grinder	1	1 (26-5)	Planer (metal)		
Blower			Planer (wood)		
Boring Mill			Power Press		
Centrifuge			Press Brake		
Compressor			Pulverizer		
Crusher			Pump		
Diesels (stationary)			Saw (band - metal)		
Drill Press			Saw (band - wood)		
Fans	11		Saw (circular - metal)		
Forming Rolls			Saw (circular - wood)		
Gear Cutter			Saw (jig)		
Grinding Machine			Saw (power - rip)		
Hobber			Saw (radial)		
Jointer			Saw (swing)		
Lat gine)			Screw Machine		
Lathe (turret)			Shaper (metal)		
Lathe (woodworking)			Shaper (wood)		
Manual Arc Cutting Unit	11	1 (20	Shears		
Manual Welding Unit	11		Slicer		
Mixer			Other (Note in Remarks)		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

AUDITED BY (SIGNATURE) [illegible]

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10 - Machinery and Equipment

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

Page 1 of ____

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	1401 UTILITIES SHOPS	01	61	01	4	4	6-13-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Sprinkler System			Fire Extinguishers	11	
Emergency Exits			Protective Equip. Supply		
Emergency Station			P. A. System		
Evacuation Alarm			Safety Showers		
Eye Baths			Standpipes	1	
Fire Alarm Boxes	1		Other (Note in Remarks)		
Fire Doors					

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	UTILITIES SHOPS	01	61	02	4	4	6-13-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	~~IIII~~	1 (6-17) III (6-8)	Radiating Surfaces		
Illumination	1		Traffic Control	1	
Material Containment	1		Ventilation		
Radiation			Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Areas
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:
NOTE: WHILE HOUSEKEEPING ITEMS WERE GENERALLY POOR THIS SHOP IS STILL IN THE PROCESS OF BEING RELOCATED.

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01 - Fixed Protection
02 - Environmental Control

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	UTILITIES SHOPS	01	61	03	4	4	6-13-1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Catwalks			Ladder (stationery)		
Exit	1		Platforms		
Floors	11		Scaffolds		
Furniture	1		Stairs		
Ladder (portable)			Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	UTILITIES SHOPS	01	61	04	1	1	6-13-1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine			Steam (Bldg Ht - Below 15 psig)		
Hydrofluoric Acid			Steam (Low Pressure - 15-250 psig)		
Natural Gas			Steam (High Pressure - above 250 psig)		
Pyrofax			Other (Note in Remarks) PLANT AIR	1	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE) [signature]

REVIEWED WITH (SIGNATURE) G M Hollingsworth

03 - Work Surfaces
04 - Piping & Containers

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	UTILITIES SHOPS	01	61	05	10	6	6-13-1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)	IIII	III (7-6)
Corded Equipment	II	
Utilization Equipment	III	1 (7-6)
High Voltage Equipment (Above 480 Volts)		
Disconnects		
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
6. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	UTILITIES SHOPS	01	61	06	10	6	6-13-1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling			Use of Safe Attire	1	
Use of Tools			Use of Personnel Protective Devices	II	1 (21)
Use and Maintenance of Machines & Equipment			Work Habits		
Use of Ionizing Radiation Sources					

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

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05 - Electrical
06 - Work Practices

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	UTILITIES SHOP	01	6	07	12	10	6-13-1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered	4	1 (8-14)
Hand	11	1 (7-9)
Hydraulic		
Pneumatic Powered		
Powder Actuated		

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	UTILITIES SHOP	01	6	08	9	9	6-13-1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor	—		Power Truck		
Chain Hoist	11		Tractor		
Electric Hoist	1		Plant Railway		
Winch or Tugger			Skid		
Sling	11		Pallet		
Lifting Fixture			Bicycle		
Dolley	1		Bus		
Handtruck	11		Passenger Car		
Wheelbarrow			Motor Truck		
Fork Truck			Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. C[illegible]g Signals	25. Hitches	39. Other (Note in Remarks)
12. C[illegible]g Signs	26. Hooks	
13. De[illegible]an Control	27. Horn	
14. Deck	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE) B. F. Shum

REVIEWED WITH (SIGNATURE) G M Hollingsworth

07 - Power Tools
08 - Materials Handling

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	UTILITIES SHOPS	01	61	09	8	3	6-13-7
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Acetone Tank			Freon Tank		
Air Receivers			HF Tank		
Boilers			UF_6 Containers		
Compressed Gas Cylinders	11	~~11~~ (*)	Water Storage Heaters		
Fluorine Tank			Other *(Note in Remarks)*		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other *(Note in Remarks)*
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other *(Note in Remarks)*	7. Incorrect	14. Not Shielded	

REMARKS:

(*) WHILE THESE ARE IN A CONC. BLOCK ENCLOSURE, IT IS OPEN ON THE FRONT & NO PROVISION FOR SECURING THE CYLINDERS WAS INCLUDED IN THE DESIGN.

AUDITED BY (SIGNATURE) [signature]

REVIEWED WITH (SIGNATURE) [signature]

09 - Pressure Vessels & Gas Cylinders

SAFETY AUDIT REPORT
UCN-2021 (1-9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1421	UTILITIES SHOPS	01	61	10	9	5	6-13-1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Arc Cutting Unit			Oxygen-Arc Cutting Unit		
Automatic Arc Welding Unit			Paper Cutter		
Bench or Pedestal Grinder	11	11 (*)	Planer (metal)		
Blower			Planer (wood)		
Boring Mill			Power Press		
Centrifuge			Press Brake		
Compressor			Pulverizer		
Crusher			Pump		
Diesels (stationary)			Saw (band - metal)		
Drill Press	11	1 (**)	Saw (band - wood)		✓
Fans	11		Saw (~~chain~~ - metal)	11	1 (MOTOR PULLEY EXPOSED)
Forming Rolls			Saw (circular - wood)		
Gear Cutter			Saw (jig)		
Grinding Machine			Saw (power - rip)		
Hobber			Saw (radial)		
Jointer			Saw (swing)		
Lat ~~(nol)~~ PIPE	1		Screw Machine		
Lathe (turret)			Shaper (metal)		
Lathe (woodworking)			Shaper (wood)		
Manual Arc Cutting Unit			Shears		
Manual Arc Welding Unit			Slicer		
Mixer			Other (Note in Remarks)		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS: *GLAS SHIELD BROKEN & SEVERAL OBSCURED BY PAINT SPRAY.
** GUARD FOR V BELT ONLY PARTIALY ADEQUATE.

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10 - Machinery and Equipment

SAFETY AUDIT REPORT
UCN-202 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

JW

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	RIGGERS LOFT	01	67	01	2	0	6-13-1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Sprinkler System			Fire Extinguishers	11	11 (3-6)
Emergency Exits			Protective Equip. Supply		
Emergency Station			P. A. System		
Evacuation Alarm			Safety Showers		
Eye Baths			Standpipes		
Fire Alarm Boxes			Other (Note in Remarks)		
Fire Doors					

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:
(BDL. E 24 & 024 1/2)

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	RIGGERS LOFT	01	67	02	4	3	6-13-1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	11	1 *	Radiating Surfaces		
Illumination	1		Traffic Control		
Material Containment	1		Ventilation		
Radiation			Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Areas
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS: HOUSEKEEPING GENERALY GOOD BUT SEVERAL ITEMS ON FLOOR CONSTITUTE "TRIP HAZARDS"

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01 - Fixed Protection
02 - Environmental Control

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SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	RIGGERS LOFT	01	63	03	2	2	6-13-1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Catwalks			Ladder (stationery)		
Exit			Platforms		
Floors	11		Scaffolds		
Furniture			Stairs		
Ladder (portable)			Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	RIGGERS LOFT	01	63	04	1	0	6-13-1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine			Steam (Bldg Ht - Below 15 psig)		
Hydrofluoric Acid			Steam (Low Pressure - 15 - 250 psig)		
Natural Gas			Steam (High Pressure - above 250 psig)		
Pyrofax			Other (Note in Remarks) PLANT AIR	1	1 (4-13)

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

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03 - Work Surfaces
04 - Piping & Containers

SAFETY AUDIT REPORT
UGN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	RIGGERS LOFT	01	63	05	7	0	6-13-1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)	HH1	HH1 (7-6)
Corded Equipment	1	1 (8-6)
Utilization Equipment	—	
High Voltage Equipment (Above 480 Volts)	—	
Disconnects	—	
Rotating Equipment	—	
Other (Note in Remarks)	—	

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
6. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES NONE OBSERVED

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
				06			
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling			Use of Safe Attire		
Use of Tools			Use of Personnel Protective Devices		
Use and Maintenance of Machines & Equipment			Work Habits		
Use of Ionizing Radiation Sources					

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

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05 - Electrical
06 - Work Practices

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	RIGGERS LOFT	01	63	07	3	2	6-13-1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered	—	
Hand	11	1(9-7)
Hydraulic	—	
Pneumatic Powered	—	
Powder Actuated		

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other *(Note in Remarks)*
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other *(Note in Remarks)*
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	RIGGERS LOFT	01	63	08	13	13	6-13-1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor			Power Truck		
Chain Hoist			Tractor		
Electric Hoist			Plant Railway		
Winch or Tugger			Skid		
Sling	~~IIII~~		Pallet		
Lifting Fixture			Bicycle		
Dolley			Bus		
Handtruck	III		Passenger Car		
Wheelbarrow			Motor Truck		
Fork Truck			Other *(Note in Remarks)*		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Cr[illegible] Signals	25. Hitches	39. Other *(Note in Remarks)*
12. C[illegible] Signs	26. Hooks	
13. Dea[illegible]man Control	27. Horn	
14. Deck	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other *(Note in Remarks)*
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

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07 - Power Tools
08 - Materials Handling

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING (IBM 1-5)	LOCATION (6-45)	DIVISION CODE (46-49)	LOCATION CODE (50-51)	CLASS CODE (52-53)	NO. INSPECTED (54-57)	NO. SATISFACTORY (58-61)	DATE (62-67)
1401	RIGGERS LOFT	01	63	09	2	2	6-78

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Acetone Tank			Freon Tank		
Air Receivers			HF Tank		
Boilers			UF_6 Containers		
Compressed Gas Cylinders	11		Water Storage Heaters		
Fluorine Tank			Other (Note in Remarks)		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other (Note in Remarks)
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other (Note in Remarks)	7. Incorrect	14. Not Shielded	

REMARKS:

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09 Pressure Vessels & Gas Cylinders

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
IBM				10			
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Arc Cutting Unit			Oxygen-Arc Cutting Unit		
Automatic Arc Welding Unit			Paper Cutter		
Bench or Pedestal Grinder			Planer (metal)		
Blower			Planer (wood)		
Boring Mill			Power Press		
Centrifuge			Press Brake		
Compressor			Pulverizer		
Crusher			Pump		
Diesels (stationary)			Saw (band - metal)		
Drill Press			Saw (band - wood)		
Fans			Saw (circular - metal)		
Forming Rolls			Saw (circular - wood)		
Gear Cutter			Saw (jig)		
Grinding Machine			Saw (power - rip)		
Hobber			Saw (radial)		
Jointer			Saw (swing)		
Lathe (engine)			Screw Machine		
Lathe (turret)			Shaper (metal)		
Lathe (woodworking)			Shaper (wood)		
Manual Arc Cutting Unit			Shears		
Manual Arc Welding Unit			Slicer		
Mixer			Other *(Note in Remarks)*		

No MACHINES

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other *(Note in Remarks)*
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other *(Note in Remarks)*	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

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10 - Machinery and Equipment

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

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Page 1 of ____

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	CONVERTER SPOOL ASSEMBLY	01	43	01	2	2	5-26-4
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Automatic Sprinkler System	—		Fire Extinguishers	1	
Emergency Exits	—		Protective Equip. Supply		
Emergency Station	—		P. A. System		
Evacuation Alarm	—		Safety Showers		
Eye Baths	—		Standpipes		
Fire Alarm Boxes	1		Other (Note in Remarks)		
Fire Doors					

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	CONVERTER SPOOL ASSEMBLY		43	02	7	6	5-26-4
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	1111	1*	Radiating Surfaces		
Illumination	1		Traffic Control		
Material Containment	1		Ventilation	1	
Radiation			Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Areas
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS: * A FEW ITEMS ON FLOOR (UNUSED HOSE, PIPE ETC.

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01 - Fixed Protection
02 - Environmental Control

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Converter Shop Assembly	01	43	03	6	5	5-26-1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED		NO. UNSATISFACTORY (PART - REASON)
Catwalks	—		Ladder (stationery)		
Exit	—		Platforms	1	
Floors	111	1 (X	Scaffolds		
Furniture	1		Stairs		
Ladder (portable)	1		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS: FLOOR OBSTRUCTION NEAR DRINKING FOUNTAIN at Column G 14

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Converter Shop Assembly	01	43	04	1	1	5-26-1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine			Steam (Bldg Ht - Below 15 psig)		
Hydrofluoric Acid			Steam (Low Pressure - 15-250 psig)		
Natural Gas			Steam (High Pressure - above 250 psig)		
Pyrofax			PLANT AIR Other (Note in Remarks)	1	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

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03 - Work Surfaces
04 - Piping & Containers

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Converter Spool Assembly	01	43	05	13	3	5-26-1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)	~~IIII~~	IIII (7-6)
Corded Equipment	~~IIII~~	~~IIII~~ (8-6)
Utilization Equipment	II	I (~~X~~
High Voltage Equipment (Above 480 Volts)		
Disconnects		
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
6. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

POINT of FEED NOT INDICATED AT MACHINE.

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Converter Spool assembly		43	06	4	4	5-26-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling			Use of Safe Attire	IIII	
Use of Tools			Use of Personnel Protective Devices		
Use and Maintenance of Machines & Equipment	I		Work Habits		
Use of Ionizing Radiation Sources					

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

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05 - Electrical
06 - Work Practices

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Converter Shop assembly	01	43	07	10	10	5-26-1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered	—	
Hand	~~IIII~~	
Hydraulic	—	
Pneumatic Powered	II	
Powder Actuated		

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Converter Shop Assembly	01	43	08	10	10	5-26-1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor			Power Truck		
Chain Hoist	I		Tractor		
Electric Hoist	II		Plant Railway		
Winch or Tugger			Skid		
Sling	~~IIII~~		Pallet	I	
Lifting Fixture			Bicycle		
Dolley	I		Bus		
Handtruck			Passenger Car		
Wheelbarrow			Motor Truck		
Fork Truck			Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Cr g Signals	25. Hitches	39. Other (Note in Remarks)
12. C) Signs	26. Hooks	
13. De an Control	27. Horn	
14. Deck	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

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07 - Power Tools
08 - Materials Handling

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
140	Converter Shop Assembly	01	43	09	3	3	5-26
1BM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Acetone Tank			Freon Tank		
Air Receivers			HF Tank		
Boilers			UF_6 Containers		
Compressed Gas Cylinders	111		Water Storage Heaters		
Fluorine Tank			Other *(Note in Remarks)*		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other *(Note in Remarks)*
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other *(Note in Remarks)*	7. Incorrect	14. Not Shielded	

REMARKS:

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09 - Pressure Vessels & Gas Cylinders

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Concrete Block Assembly		43	10	6	5	6-26-1
IBM 5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

M. E INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Arc Cutting Unit	11		Oxygen-Arc Cutting Unit		
OXY ACETYLENE Arc Welding Unit	11		Paper Cutter		
Bench or Pedestal Grinder	1	1 (26-5)	Planer (metal)		
Blower			Planer (wood)		
Boring Mill			Power Press		
Centrifuge			Press Brake		
Compressor			Pulverizer		
Crusher			Pump		
Diesels (stationary)			Saw (band - metal)	1	
Drill Press			Saw (band - wood)		
Fans			Saw (circular - metal)		
Forming Rolls			Saw (circular - wood)		
Gear Cutter			Saw (jig)		
Grinding Machine			Saw (power - rip)		
Hobber			Saw (radial)		
Jointer			Saw (swing)		
Lat[illegible]ine)			Screw Machine		
Lathe (turret)			Shaper (metal)		
Lathe (woodworking)			Shaper (wood)		
Manual Arc Cutting Unit			Shears		
Manual Arc Welding Unit			Slicer		
Mixer			Other *(Note in Remarks)*		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other *(Note in Remarks)*
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other *(Note in Remarks)*	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

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10 - Machinery and Equipment

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

Page 1 of 5

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Tool Room	01	47	01	2	2	4-26-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto Sprinkler System	—		Fire Extinguishers	/	
Emergency Exits	/		Protective Equip. Supply	—	
Emergency Station	—		P. A. System	—	
Evacuation Alarm	—		Safety Showers	—	
Eye Baths	—		Standpipes	—	
Fire Alarm Boxes	—		Other *(Note in Remarks)*		
Fire Doors					

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other *(Note in Remarks)*
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILD.	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Tool Room	01	47	02	8	5	4-26-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	///	1(4-8)-1(4-16)	Radiating Surfaces	—	
Illumination	///	1(4-14)	Traffic Control	—	
Material Containment	//		Ventilation	—	
Radiation	—		Other *(Note in Remarks)*		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Areas
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other *(Note in Remarks)*
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

47-35 6-6

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01 - Fixed Protection
02 - Environmental Control

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Tool Room-	01	47	03	9	9	4-26-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Catw.	—		Ladder (stationery)	—	
Exit	/		Platforms	—	
Floors	///		Scaffolds	—	
Furniture	///		Stairs	—	
Ladder (portable)	*		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS: Consideration might be given to providing a step ladder for Tool Room Attendant

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Tool Room-	01	47	04	1	1	4-26-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine	—		Steam (Bldg Ht - Below 15 psig)	—	
Hydrofluoric Acid	—		Steam (Low Pressure - 15-250 psig)	—	
Natural Gas	—		Steam (High Pressure - above 250 psig)	—	
Pyrofax	/		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

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03 - Work Surfaces
04 - Piping & Containers

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
4421	Tool Room-	01	47	05	12	7	4-26-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEMS INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low e Equipment (Below 480 Volts)		
Corded Equipment	IIII	4-(8-6)
Utilization Equipment	~~III~~ II	2(11-5) - 1(4-5)
High Voltage Equipment (Above 480 Volts)		
Disconnects		
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
6. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
4421	Tool Room-	01	47	06	6	6	4-26-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	—		Use of Safe Attire	11	
Use of Tools	11		Use of Personnel Protective Devices	11	
Use and Maintenance of Machines & Equipment	—		Work Habits	—	
Use of Ionizing Radiation Sources	—				

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

AUDITED BY (SIGNATURE)	REVIEWED WITH (SIGNATURE)

05 - Electrical
06 - Work Practices

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Tool Room	01	47	07	7	7	4-26-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE OF TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered	11	
Hand	44	
Hydraulic	—	
Pneumatic Powered	—	
Powder Actuated	—	

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Tool Room	01	47	08	2	2	4-26-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor	—		Power Truck	—	
Chain Hoist	—		Tractor	—	
Electric Hoist	—		Plant Railway	—	
Winch or Tugger	—		Skid	—	
Sling	—		Pallet	—	
Lifting Fixture	—		Bicycle	—	
Dolley	1		Bus	—	
Handtruck	1		Passenger Car	—	
Wheelbarrow	—		Motor Truck	—	
Fork Truck	—		Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Crossing Signals	25. Hitches	39. Other (Note in Remarks)
12. Cr[illegible] Signals	26. Hooks	
13. D[illegible]n Control	27. Horn	
14. Dec[illegible]	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

07 - Power Tools
08 - Materials Handling

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1461	Tool Room	-1	47	10	6	6	4-26-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto[illegible] Arc Cutting Unit	—		Oxygen-Arc Cutting Unit	—	
Automatic Arc Welding Unit	—		Paper Cutter	—	
Bench or Pedestal Grinder	11		Planer (metal)	—	
Blower	* 1		Planer (wood)	—	
Boring Mill	—		Power Press	—	
Centrifuge	—		Press Brake	—	
Compressor	—		Pulverizer	—	
Crusher	—		Pump	—	
Diesels (stationary)	—		Saw (band - metal)	—	
Drill Press	1		Saw (band - wood)	—	
Fans	11		Saw (circular - metal)	—	
Forming Rolls	—		Saw (circular - wood)	—	
Gear Cutter	—		Saw (jig)	—	
Grinding Machine	—		Saw (power - rip)	—	
Hobber	—		Saw (radial)	—	
Jointer	—		Saw (swing)	—	
Lathe (engine)	—		Screw Machine	—	
Lat[illegible] ret)	—		Shaper (metal)	—	
Lathe (woodworking)	—		Shaper (wood)	—	
Manual Arc Cutting Unit	—		Shears	—	
Manual Arc Welding Unit	—		Slicer	—	
Mixer	—		Other (Note in Remarks)		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS: * Exhaust lines hanging down in shop need to be taken out.

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

10 - Machinery and Equipment

File

AUDIT OF K-1401 ROOFING JOB
April 26, 1961

1. Three of seven wore eye protection. It should be worn by all due to flying gravel and dusty conditions.

2. Handprotection appeared adequate.

3. Flammable liquids were in safety cans and adequately identified.

4. A charged fire water hose was available on the roof and fire extinguishers were placed nearby the tar burner.

5. Tools appeared to be in good condition.

6. Containers were available and their use was satisfactory both on the roof and on the ground.

7. All air hose couplings were not pinned.

8. The use of the equipment elevator was satisfactory.

9. The area around the chute, truck and tar burner was adequately barricaded.

10. Face shields were provided for employees chopping and handling tar.

Supervisor Roy Fowler Auditor H. E. Finkell Date 4-27-61

HEM:la

4/26/61

SAFETY-AUDIT REPORT
UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

Page 1 of ____

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	MACHINE SHOP	01	21	01	6	5	4/24/
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto Sprinkler System			Fire Extinguishers	IIII	
Emergency Exits			Protective Equip. Supply		
Emergency Station			P. A. System		
Evacuation Alarm			Safety Showers		
Eye Baths			Standpipes	/	
Fire Alarm Boxes	/		Other (Note in Remarks)	/	1 (*)
Fire Doors					

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS: COL E 19 IS IDENTIFIED AS LOCATION FOR FIRE EXTINGUISHER, PERHAPS MARKING SHOULD BE REMOVED OR EXTINGUISHER PROVIDED.

ENVIRONMENTAL CONTROL

BUILD.	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO SATISFACTORY	DATE
1401	MACHINE SHOP	01	21	02	16	13	4/26/
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	~~IIIII~~	IIII (8)	Radiating Surfaces		
Illumination	IIII		Traffic Control		
Material Containment	/		Ventilation	/	
Radiation			Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Areas
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage ✓		

REMARKS: HOUSEKEEPING MUCH IMPROVED:
EXCEPTIONS INCLUDE, SLINGS, TOOLS & STOCK ON FLOOR IN A FEW LOCATIONS, RAGS NOT KEPT IN METAL CONTAINER, COVERALLS ON TOP OF SUPPLY BINS AND RATHER 'RINIC POOR HOUSEKEEPING CONTINUES TO BE NOTED NEAR THE BALLENGINE MACHINE.

131-91 24-20

AUDITED BY (SIGNATURE) [signature] REVIEWED WITH (SIGNATURE) H Clayton

01 - Fixed Protection
02 - Environmental Control

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	MACHINE SHOP	01	21	03	75	13	4/24/
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED		NO. UNSATISFACTORY (PART - REASON)
Catwalk	—		Ladder (stationery)		
Exit	11		Platforms	1	
Floors	1111		Scaffolds	1	1 (15)**
Furniture	1111	1 (11-1)*	Stairs		
Ladder (portable)	11		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS: *CABINET AT BALLENGER

**19 ROPE OR OTHER HAND RAIL WOULD IMPROVE SAFETY OF SCAFFOLD USE AT BETR.

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Machine Shop	01	21	04	5	2	4/26/
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine			Steam (Bldg Ht - Below 15 psig)		
Hydrofluoric Acid			Steam (Low Pressure - 15-250 psig)		
Natural Gas			Steam (High Pressure - above 250 psig)		
Pyrofax			Other (Note in Remarks) PLANT AIR	1111	11 (4-13) 1 (7) ~~Hose~~ Leak Co. Eng

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE) [signature]

REVIEWED WITH (SIGNATURE) O F Clayton

03 - Work Surfaces
04 - Piping & Containers

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING (IBM 1-5)	LOCATION (6-45)	DIVISION CODE (46-49)	LOCATION CODE (50-51)	CLASS CODE (52-53)	NO. INSPECTED (54-57)	NO. SATISFACTORY (58-61)	DATE (62-67)
1401	MACHINE SHOP	01	21	05	40	15	4/26/6

ITEMS INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)	|||||	|||||
Corded Equipment	||||| ||||| {8-1
Utilization Equipment	|||||	
High Voltage Equipment (Above 480 Volts)		
Disconnects		
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes	9. Insulation
2. Conduit	10. Plugs
3. Connectors	11. Receptacles
4. Breaker	12. Safety Switch
5. Grounds	13. Switch
6. Ground Mats	14. Warning Signs
7. Identification	15. Other (Note in Remarks)
8. Inspection Date and Tag	

UNSATISFACTORY CONDITION

1. Broken	6. Does Not Meet Plant Specifications
2. Cracked	7. Not Provided
3. Damaged	8. Ungrounded
4. Deteriorated	9. Unguarded
5. Identification	

REMARKS:

MANY SWITCHES/BREAKERS TAGED AND READY FOR PAINTER TO COMPLETE IDENTIFICATION; ONLY A FEW COMPLETED SO FAR.

WORK PRACTICES

BUILDING (IBM 1-5)	LOCATION (6-45)	DIVISION CODE (46-49)	LOCATION CODE (50-51)	CLASS CODE (52-53)	NO. INSPECTED (54-57)	NO. SATISFACTORY (58-61)	DATE (62-67)
1401	MACHINE SHOP	01	21	06	24	20	4/26/65

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	1	1 *(5)
Use of Tools	||	
Use and Maintenance of Machines & Equipment	|||||	
Use of Ionizing Radiation Sources		

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Use of Safe Attire	|||	1 (LATHE OPERATOR LONGSLEEVES) 1 (H.H. GLOVES)
Use of Personnel Protective Devices	||||| ||| 1 (25
Work Habits	1	(HORSEPLAY)

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees	11. Machine Left Running Unattended	21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
2. Failed to Use Crane Hand Signals	12. Operating With Safety Device Removed	22. Entrance Made (Under Unsafe Act No. 21)
3. Failed to Use Warning Device	13. Incorrect Safety Device Used	23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
4. Regularly Used Limit Switch to Stop Motion	14. Operating With Safety Device Improperly Adjusted	24. Film Badge Not Worn
5. Materials Stored, Mixed, or Combined to Create a Hazard	15. Respiratory Protection Not Worn	25. Eye Protection Not Worn
6. Flammables Handled in Unapproved Safety Can	16. Improper Respiratory Protection Worn	26. Improper Eye Protection
7. Incorrect Tool Used	17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling	27. Hard Hats Not Worn
8. Unsafe Tool Used	18. Working on Equipment Not Secured Against Unexpected Operation	28. Gloves Not Worn
9. Tool Used Improperly	19. Passenger Permitted to Ride in Unsafe Manner	29. Smoking in Posted Areas
10. Machine Operated at Unsafe Speed	20. Operable Radiation Survey Meter Not at Job Site	30. Eating in Posted Areas

REMARKS: * TOSSED PARTS INTO CABINET.

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05 - Electrical
06 - Work Practices

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Machine Shop	01	21	07	21	18	4/26/1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND-CONDITION)
Ele owered	11	11 (14)
Hand	~~IIII~~ ~~IIII~~	1 (19-12)
Hydraulic		
Pneumatic Powered	1	
Powder Actuated		

UNSATISFACTORY TOOL		
1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other *(Note in Remarks)*
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other *(Note in Remarks)*
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUIL	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Machine Shop	01	21	08	14	14	4/26/1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Conveyor			Power Truck		
Chain Hoist			Tractor		
Electric Hoist	11		Plant Railway		
Winch or Tugger			Skid		
Sling	~~IIII~~		Pallet	111	
Lifting Fixture			Bicycle		
Dolley	11		Bus		
Handtruck	11		Passenger Car		
Wheelbarrow			Motor Truck		
Fork Truck			Other *(Note in Remarks)*		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Crossing Signals	25. Hitches	39. Other *(Note in Remarks)*
12. Cr ng Signs	26. Hooks	
13. D n Control	27. Horn	
14. D	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other *(Note in Remarks)*
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE) [signature]

REVIEWED WITH (SIGNATURE) O F Clayton

07 - Power Tools
08 - Materials Handling

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
401	Machine Shop	01	21	09	0	0	4/26/1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Acetc ank			Freon Tank		
Air Receivers			HF Tank		
Boilers			UF_6 Containers		
Compressed Gas Cylinders			Water Storage Heaters		
Fluorine Tank			Other *(Note in Remarks)*		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other *(Note in Remarks)*
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other *(Note in Remarks)*	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE) [signature]

REVIEWED WITH (SIGNATURE) [signature]
09 - Pressure Vessels & Gas Cylinders

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Machine Shop	01	21	10	14	11	4/26/4
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Arc Cutting Unit	—		Oxygen-Arc Cutting Unit		
Automatic Arc Welding Unit	—		Paper Cutter		
Bench or Pedestal Grinder	1	1 (26-5) *	Planer (metal)		
Blower			Planer (wood)		
Boring Mill	///		Power Press		
Centrifuge			Press Brake		
Compressor			Pulverizer		
Crusher			Pump		
Diesels (stationary)			Saw (band - metal)	//	
Drill Press	///	1 (13-7)	Saw (band - wood)		
Fans	//		Saw (circular - metal)		
Forming Rolls			Saw (circular - wood)		
Gear Cutter			Saw (jig)		
Grinding Machine	1	1 ** Column B-19½	Saw (power - rip)		
Hobber			Saw (radial)		
Jointer			Saw (swing)		
Lathe (engine)	1		Screw Machine		
Lathe (turret)			Shaper (metal)		
Lathe (woodworking)			Shaper (wood)		
Manual Arc Cutting Unit			Shears		
Manual Arc Welding Unit			Slicer		
Mixer			Other (Note in Remarks)		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS: * ALSO GLASS NOT CLEAR DUE TO PAINT SPRAY.

** Please Note: DISTANCE BETWEEN GUARD RAIL AND BED OF SURFACE GRINDER WOULD BE INSUFICIANT TO CLEAR A LARGE MAN IF BED IS SET TO ALLOW MAXIUM TRAVEL. POSITIVE SAFEGUARD OR REMOVAL OF GUARD RAIL SHOULD BE CONSIDERED.

AUDITED BY (SIGNATURE) [signature]

REVIEWED WITH (SIGNATURE) [signature]

10 - Machinery and Equipment

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

JW

Page 1 of ____

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01401	Electric Motor Repair Shop	01	11	01	2	1	4-25-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Sprinkler System	—		Fire Extinguishers	11	1(3-6) (3-10)
Emergency Exits	—		Protective Equip. Supply	—	
Emergency Station	—		P. A. System	—	
Evacuation Alarm	—		Safety Showers	—	
Eye Baths	—		Standpipes	—	
Fire Alarm Boxes	—		Other (Note in Remarks)	—	
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01401	Electric Motor Repair Shop	01	11	02	10	7	4-25-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	III	2(6-1)	Radiating Surfaces	—	
Illumination	II		Traffic Control	1	
Material Containment	III	1(6-8)	Ventilation	1	
Radiation	—		Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Areas
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:
Improvement was noted in the storage of motors and Coils of copper and some individual work Locations, however, storage bins, Employee tool cabinets ~~and~~, the spray booth, the small tool shop and insulation room are cluttered with combustibles and other materials.

71-54 10-8

AUDITED BY (SIGNATURE) H E Marshall

REVIEWED WITH (SIGNATURE) J L Mathews

01 - Fixed Protection
02 - Environmental Control

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01401	Electric Motor Shop	01	11	03	8	6	4-25-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Catwalks	—		Ladder (stationery)	1	
Exit	1		Platforms	—	
Floors	11	1(16-19) *	Scaffolds	—	
Furniture	111	1(6-4)	Stairs	—	
Ladder (portable)	1		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface—	5. Inaccessible or Blocked	16. Split
6. Entire Unit—	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks) —
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:
* wire protruding from concrete floor — tripping hazard.

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01401	Electric Motor Shop	01	11	04	6	3	4-25-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine	—		Steam (Bldg Ht - Below 15 psig)	1	
Hydrofluoric Acid	—		Steam (Low Pressure - 15-250 psig)	—	
Natural Gas	—		Steam (High Pressure - above 250 psig)	—	
Pyrofax	—		Other (Note in Remarks)	11111	*1-(10-12) **2(7-13)

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:
* Safety can is not identified as to contents
** Air hose couplings not pinned.

AUDITED BY (SIGNATURE)	REVIEWED WITH (SIGNATURE)

03 - Work Surfaces
04 - Piping & Containers

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01401	Electric Motor Shop	01	11	05	10	8	4-25-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Corded Equipment	|||	
Utilization Equipment	|||||	1 (7-5) 1 (1-9)
High Voltage Equipment (Above 480 Volts)		
Disconnects	—	
Rotating Equipment	—	
Other (Note in Remarks)	—	

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification –
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
5. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01401	Electric Motor Shop	01	11	06	10	8	4-25-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	11		Use of Safe Attire	11	
Use of Tools	11		Use of Personnel Protective Devices	111	2 (25)
Use and Maintenance of Machines & Equipment	1		Work Habits		
Use of Ionizing Radiation Sources	—				

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

AUDITED BY (SIGNATURE)	REVIEWED WITH (SIGNATURE)

05 - Electrical
06 - Work Practices

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01401	Electric Motor Shop	01	11	07	16	2	4-25-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered	11	
Hand	1111111	2 (7-9)
Hydraulic	1	
Pneumatic Powered	—	
Powder Actuated	—	

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other *(Note in Remarks)*
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other *(Note in Remarks)*
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01401	Electric Motor Shop	01	11	08	6	6	4-25-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor	—		Power Truck	—	
Chain Hoist	—		Tractor	—	
Electric Hoist	11		Plant Railway	—	
Winch or Tugger	—		Skid	—	
Sling	11		Pallet	—	
Lifting Fixture	—		Bicycle	—	
Dolley	11		Bus	—	
Handtruck	—		Passenger Car	—	
Wheelbarrow	—		Motor Truck	—	
Fork Truck	—		Other *(Note in Remarks)*		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. C[illegible]g Signals	25. Hitches	39. Other *(Note in Remarks)*
12. C[illegible]g Signs	26. Hooks	
13. De[illegible]an Control	27. Horn	
14. Deck	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other *(Note in Remarks)*
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE)	REVIEWED WITH (SIGNATURE)

07 - Power Tools
08 - Materials Handling

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
9[illegible]	Electric Motor Shop	[illegible]		09	5	4	[illegible]
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Acetone Tank	—		Freon Tank	—	
Air Receivers	—		HF Tank	—	
Boilers	—		UF_6 Containers	—	
Compressed Gas Cylinders	[illegible]	1-(1-1[illegible])	Water Storage Heaters	—	
Fluorine Tank			Other *(Note in Remarks)*		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other *(Note in Remarks)*
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other *(Note in Remarks)*	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

09 - Pressure Vessels & Gas Cylinders

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1-4 J	Electric Motor Shop	5	1	10	8	5	4-25-5
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

M E INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Arc Cutting Unit	—		Oxygen-Arc Cutting Unit	1	1 (12-3)
Automatic Arc Welding Unit	—		Paper Cutter	—	
Bench or Pedestal Grinder	1	1 (18-10)	Planer (metal)	—	
Blower	—		Planer (wood)	—	
Boring Mill	—		Power Press	—	
Centrifuge	—		Press Brake	—	
Compressor	—		Pulverizer	—	
Crusher	—		Pump	—	
Diesels (stationary)	—		Saw (band - metal)	1	
Drill Press	1		Saw (band - wood)	—	
Fans	111	2 (18-7)	Saw (circular - metal)	—	
Forming Rolls	—		Saw (circular - wood)	—	
Gear Cutter	—		Saw (jig)	—	
Grinding Machine	—		Saw (power - rip)	—	
Hobber	—		Saw (radial)	—	
Jointer	—		Saw (swing)	—	
La[illegible]gine)	1		Screw Machine	—	
Lathe (turret)	—		Shaper (metal)	—	
Lathe (woodworking)	—		Shaper (wood)	—	
Manual Arc Cutting Unit	—		Shears	—	
Manual Arc Welding Unit	—		Slicer	—	
Mixer	—		Other (Note in Remarks)		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

AUDITED BY (SIGNATURE) [illegible]

REVIEWED WITH (SIGNATURE) J L Mathews

10 - Machinery and Equipment

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

3-hr. FIXED PROTECTION (Personnel - Fire) XW

Page 1 of ____

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Axial Flow Compressor Shop	01	45	01	7	6	4/24/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto. Sprinkler System			Fire Extinguishers	11	
Emergency Exits	1111	1 *	Protective Equip. Supply		
Emergency Station			P. A. System		
Evacuation Alarm			Safety Showers		
Eye Baths			Standpipes		
Fire Alarm Boxes	1		Other (Note in Remarks)		
Fire Doors					

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS: * DOOR MARKED EXIT IS NOT USEABLE AS SUCH, SIGN SHOULD BE REMOVED.

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Axial Flow Compressor Shop	01	45	02	4	1	4/24/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	1	1 (L-2) *1	Radiating Surfaces	—	
Illumination	1		Traffic Control	1	1 **
Material Containment	1	1 (G-8) *2	Ventilation		
Radiation	—		Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Areas
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS: *2 AROUND COL B-10, MATERIAL ON FLOOR, ROD PROTRUDING OUT OF BIN, OBJECTS ON TOP OF BIN. UN IDENTIFIED SAFETY CAN ETC.
*1 FLOOR OF PIT DIRTY & NUMEROUS ITEMS SUCH AS BOLTS, RODS & OIL CONSTITUTE TRIPPING HAZARD.
** LACK OF DESIGNATED AISLES AND OBJECTS ON FLOOR, NOT CONDUCIVE TO SAFE PEDESTERIAN TRAFFIC.

66-42 7-5

AUDITED BY (SIGNATURE) [signature] REVIEWED WITH (SIGNATURE) [signature]

01 - Fixed Protection
02 - Environmental Control

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Axial Flow Compressor Shop	01	45	03	9	6	4/24/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Catwalks			Ladder (stationery)		
Exit			Platforms	11	1 (10-14)
Floors	111	1*	Scaffolds		
Furniture	11		Stairs		
Ladder (portable)	11	1 (15-1)	Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS: * FLOOR DEFECT AT COL D-9 COULD CAUSE ANKLE SPRAIN

10-14 = CHAIN GUARDS AT PIT OPENINGS.

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Axial Flow Compressor Shop	01	45	04	3	1	4/24/63
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine			Steam (Bldg Ht - Below 15 psig)		
Hydrofluoric Acid			Steam (Low Pressure - 15-250 psig)		
Natural Gas			Steam (High Pressure - above 250 psig)		
Pyrofax			Other (Note in Remarks) PLANT AIR	111	11 (4-13)

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE) [signature]

REVIEWED WITH (SIGNATURE) [signature]

03 - Work Surfaces
04 - Piping & Containers

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Axial Flow Compressor Shop	01	45	05	12	4	4/24/
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)	~~HH~~	11 11 (1-6
Corded Equipment	~~HH~~	111 (7-6)
Utilization Equipment	11	1 (1-9)
High Voltage Equipment (Above 480 Volts)		
Disconnects		
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
6. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Axial Flow Compressor Shop	01	45	06	7	5	4/24/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	1		Use of Safe Attire	1111	
Use of Tools	1	1 *	Use of Personnel Protective Devices		
Use and Maintenance of Machines & Equipment			Work Habits	1	1 (**
Use of Ionizing Radiation Sources					

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS: * USING PLIERS AS HAMMER

** USING WIRE BRUSH ON AC PARTS WITHOUT RESPIRATOR (IN DISMANTLING SECTION)

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05 - Electrical
06 - Work Practices

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING (IBM 1-5)	LOCATION (6-45)	DIVISION CODE (46-49)	LOCATION CODE (50-51)	CLASS CODE (52-53)	NO. INSPECTED (54-57)	NO. SATISFACTORY (58-61)	DATE (62-67)
1401	Axial Flow Compressor Shop	01	45	07	17	11	4/24/61

TYPE OF TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered	1 ~~IIII~~	I(*) II(6-14) VII(8-14)
Hand	~~IIIIIIIIIII~~	II(7-9)
Hydraulic		
Pneumatic Powered	I	
Powder Actuated		

UNSATISFACTORY TOOL		
1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

* 2 WIRE CONDUCTOR ON VACUUM SWEEPER

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING (IBM 1-5)	LOCATION (6-45)	DIVISION CODE (46-49)	LOCATION CODE (50-51)	CLASS CODE (52-53)	NO. INSPECTED (54-57)	NO. SATISFACTORY (58-61)	DATE (62-67)
1401	Axial Flow Compressor Shop			08	11	10	4/25/61

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor			Power Truck		
Chain Hoist			Tractor		
Electric Hoist	III		Plant Railway		
Winch or Tugger			Skid		
Sling	IIII		Pallet	II	1 (MASHED)
Lifting Fixture			Bicycle		
Dolley			Bus		
Handtruck	II		Passenger Car		
Wheelbarrow			Motor Truck		
Fork Truck			Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Cr[illegible] Signals	25. Hitches	39. Other (Note in Remarks)
12. C[illegible] Signs	26. Hooks	
13. De[illegible]an Control	27. Horn	
14. Deck	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

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07 - Power Tools
08 - Materials Handling

21-V-

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
140	Axial Flow Compressor Shop	01	45	10	3	3	4/25/
IBM V-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

M E INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Arc Cutting Unit			Oxygen-Arc Cutting Unit		
Automatic Arc Welding Unit			Paper Cutter		
Bench or Pedestal Grinder	1	1 (26-5)	Planer (metal)		
Blower			Planer (wood)		
Boring Mill			Power Press		
Centrifuge			Press Brake		
Compressor			Pulverizer		
Crusher			Pump		
Diesels (stationary)			Saw (band - metal)		
Drill Press			Saw (band - wood)		
Fans	1		Saw (circular - metal)		
Forming Rolls			Saw (circular - wood)		
Gear Cutter			Saw (jig)		
Grinding Machine			Saw (power - rip)		
Hobber			Saw (radial)		
Jointer			Saw (swing)		
Lat[illegible] gine)			Screw Machine		
Lathe [illegible]urret)			Shaper (metal)		
Lathe (woodworking)			Shaper (wood)		
Manual Arc Cutting Unit			Shears		
Manual Arc Welding Unit	1		Slicer		
Mixer			Other (Note in Remarks)		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

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SAFETY AUDIT REPORT 6 hr.

UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

Page 1 of ____

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Weld Shop	01	23	01	4	3	4/21/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto.. .c Sprinkler System			Fire Extinguishers	11	1 (*)
Emergency Exits			Protective Equip. Supply		
Emergency Station			P. A. System		
Evacuation Alarm			Safety Showers		
Eye Baths			Standpipes		
Fire Alarm Boxes	11		Other (Note in Remarks)		
Fire Doors					

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS: * LOCATION POOR DUE TO CONJESTED CONDITION OF COLUMS INLE HOSE WUNT stay in clamp due to adjacent PIPES. ALSO DUE NOT MOUNTED ON COL DUE TO SPACE LIMITATIONS.

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Weld Shop	01	23	02	12	5	4/21/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	1111	11 (4-8)	Radiating Surfaces		
Illumination	11		Traffic Control	1	
Material Containment	1111	111 (6-8)*	Ventilation	1	
Radiation			Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Areas
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area ✓	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS: * RAGS NOT IN COVERED METAL CONTAINER, METAL ROD ON FLOOR AT LATHE, SLINGS LEFT NEEAR CYLINDER STORAGE B.E CORNER OF SHOP, WELDING ROD STORED ON FLOOR, SCRAP BROTRUDING OUT OF SCRAP CONTAINER AND INTO WORK AREA, AND IN MANY INSTANCES WHERE CABINETS 'E PROVIDED SPACE SEEMS INADEQUATE & MATERIAL IS PILED ON TOP.

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01 - Fixed Protection
02 - Environmental Control

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

Page 2 of ____

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Weld Shop	01	23	03	8	6	4/21/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART-REASON)	SURFACES CHECKED		NO. UNSATISFACTORY (PART-REASON)
Cats	—		Ladder (stationery)	1	
Exit	—		Platforms	1	
Floors	111	1 (*(2))	Scaffolds		
Furniture			Stairs		
Ladder (portable)	111	1 (13-1) *(1)	Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges S.E.		11. Not Well Illuminated	

REMARKS: *1 AT CORNER of SHOP,

*(2) PIT COVER SHOULD BE FLUSH WITH THE ADJACENT FLOOR.

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Weld Shop	01	23	04	6	0	4/21/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART-CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Fluorine			Steam (Bldg Ht - Below 15 psig)		
Hydrofluoric Acid			Steam (Low Pressure - 15-250 psig)		
Natural Gas			Steam (High Pressure - above 250 psig)		
Pyrofax			Other (Note in Remarks) PLANT AIR	1 HH	HH (4-13) 1 *

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS: *NON-STANDARD METHOD of PLUGING AIR LINE AT COL. H21; SUGGEST USE of VALVE

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03 - Work Surfaces
04 - Piping & Containers

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Weld Shop	01	23	05	25	4	4/23/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)	~~IIII~~ ~~IIII~~ ~~IIII~~	~~IIII~~ (7-6)
Corded Equipment	~~IIII~~ ~~IIII~~	~~IIII~~ ~~IIII~~ (8-6) 1(9-4)
Utilization Equipment	~~IIII~~	~~IIII~~(7-6)*
High Voltage Equipment (Above 480 Volts)		
Disconnects		
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes	9. Insulation
2. Conduit	10. Plugs
3. Connectors	11. Receptacles
4. Breaker	12. Safety Switch
5. Grounds	13. Switch
6. Ground Mats	14. Warning Signs
7. Identification	15. Other (Note in Remarks)
8. Inspection Date and Tag	

UNSATISFACTORY CONDITION

1. Broken	6. Does Not Meet Plant Specifications
2. Cracked	7. Not Provided
3. Damaged	8. Ungrounded
4. Deteriorated	9. Unguarded
5. Identification	

REMARKS: * PAPER TAGS SHOWING ELECTRICAL INFO. NOTED ON SOME NEW INSTALATIONS.

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Weld Shop	01	23	06	11	8	4/24/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	1		Use of Safe Attire	~~IIII~~	
Use of Tools	11		Use of Personnel Protective Devices	1	1 (25)
Use and Maintenance of Machines & Equipment			Work Habits	11	11(*)
Use of Ionizing Radiation Sources					

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees	11. Machine Left Running Unattended	21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
2. Failed to Use Crane Hand Signals	12. Operating With Safety Device Removed	22. Entrance Made (Under Unsafe Act No. 21)
3. Failed to Use Warning Device	13. Incorrect Safety Device Used	23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
4. Regularly Used Limit Switch to Stop Motion	14. Operating With Safety Device Improperly Adjusted	24. Film Badge Not Worn
5. Materials Stored, Mixed, or Combined to Create a Hazard	15. Respiratory Protection Not Worn	25. Eye Protection Not Worn
6. Flammables Handled in Unapproved Safety Can	16. Improper Respiratory Protection Worn	26. Improper Eye Protection
7. Incorrect Tool Used	17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling	27. Hard Hats Not Worn
8. Unsafe Tool Used	18. Working on Equipment Not Secured Against Unexpected Operation	28. Gloves Not Worn
9. Tool Used Improperly	19. Passenger Permitted to Ride in Unsafe Manner	29. Smoking in Posted Areas
10. Machine Operated at Unsafe Speed	20. Operable Radiation Survey Meter Not at Job Site	30. Eating in Posted Areas

REMARKS: WELDERS HELPER TYPE EYE PROTECTION NOT WORN WHILE WORKING NEAR CUTTING OPERATION. and Hoist hook left hooked to storage rack

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05 - Electrical
06 - Work Practices

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Weld Shop	01	23	07	15	10	4/24/
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TY	OL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
	Electric Powered	III	III(-14
	Hand	III ~~IIII~~ IIII	IIII(*7-9)/(9-9) 1(9-10)
	Hydraulic		
	Pneumatic Powered		
	Powder Actuated		

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS: [redacted]

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Weld Shop	01	23	08	22	16	4/24/
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor	—		Power Truck		
Chain Hoist	—		Tractor		
Electric Hoist	III 1	1(CONTROL CORD SPLICED)	Plant Railway		
Winch or Tugger			Skid		
Sling	~~IIII~~ IIII 1	III(-5)	Pallet	II	1 (NAILS PROTRUDING)
Lifting Fixture			Bicycle		
Dolley	II		Bus		
Handtruck	II	1(35-1)*	Passenger Car		
Wheelbarrow			Motor Truck		
Fork Truck	1		Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. C g Signals	25. Hitches	39. Other (Note in Remarks)
12. C g Signs	26. Hooks	
13. Deadman Control	27. Horn	
14. Deck	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS: *BRACE

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07 - Power Tools
08 - Materials Handling

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
140	Weld Shop	01	23	09	10	10	4/24
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Acetone Tank			Freon Tank		
Air Receivers			HF Tank		
Boilers			UF_6 Containers		
Compressed Gas Cylinders	1H		Water Storage Heaters		
Fluorine Tank			Other (Note in Remarks)		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other (Note in Remarks)
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other (Note in Remarks)	7. Incorrect	14. Not Shielded	

REMARKS:

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09 Pressure Vessels & Gas Cylinders

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Weld Shop	01	23	10	19	12	4/24/
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

M E INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Arc Cutting Unit			Oxygen-Arc Cutting Unit	IIII	
Automatic Arc Welding Unit			Paper Cutter		
Bench or Pedestal Grinder	III	1(26-28)	Planer (metal)		
Blower			Planer (wood)		
Boring Mill	1		Power Press		
Centrifuge			Press Brake		
Compressor			Pulverizer		
Crusher			Pump		
Diesels (stationary)			Saw (band - metal)	II	
Drill Press	1		Saw (band - wood)		
Fans	1	1(*'	Saw (circular - metal)	1	
Forming Rolls			Saw (circular - wood)		
Gear Cutter			Saw (jig)		
Grinding Machine			Saw (power - rip)		
Hobber			Saw (radial)		
Jointer			Saw (swing)		
La ngine)	1		Screw Machine		
Latt. urret)			Shaper (metal)		
Lathe (woodworking)			Shaper (wood)		
Manual Arc Cutting Unit			Shears		
Manual Arc Welding Unit	IIII.	1 (3-2) III.(20	Slicer		
Mixer			Other (Note in Remarks)	1	1(14-10)

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS: *' NO HARDWARE CLOTH SCREEN

28 TOOLREST SET TOO WIDE.

AUDITED BY (SIGNATURE) [signature]

REVIEWED WITH (SIGNATURE) [signature]

10 - Machinery and Equipment

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

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Page 1 of ____

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1401	Sheet Metal Shop -	01	22	01	6	4	4-20-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Sprinkler System			Fire Extinguishers	2	1 (3-6) Will be relocated on material moved
Emergency Exits			Protective Equip. Supply		
Emergency Station			P. A. System		
Evacuation Alarm	2		Safety Showers		
Eye Baths			Standpipes		
Fire Alarm Boxes *	2	1 (3-10)	Other (Note in Remarks)		
Fire Doors					

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS: * Paint department contacted

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1401	Sheet Metal Shop	01	22	02	38	37	4-20-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	6		Radiating Surfaces		
Illumination	6		Traffic Control	3	
Material Containment	19	1 (6-21)	Ventilation	3	
Radiation	1		Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Areas
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

331-244 37.36

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) O. Gillespie

01 - Fixed Protection
02 - Environmental Control

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1401	Sheet Metal Shop	01	22	03	23	23	4-20-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Catwalks			Ladder (stationery)		
Exit	6		Platforms		
Floors	6		Scaffolds		
Furniture	10		Stairs		
Ladder (portable)	1		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1401	Sheet Metal Shop	01	22	04	6	6	4-20-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine			Steam Water + air (Bldg Ht - Below 15 psig)	2	
Hydrofluoric Acid			Steam (Low Pressure - 15-250 psig)		
Natural Gas			Steam (High Pressure - above 250 psig)		
Pyrofax			Safety caps //// Other (Note in Remarks)	4	3 (10-12)

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) E. Gillespie

03 - Work Surfaces
04 - Piping & Containers

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1401	Sheet Metal Shop	01	22	05	136	73	4-20-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Corded Equipment	34	29 (8-6)
Utilization Equipment	46	4 (1-1) 4 (2-7) 4 (3-5)
High Voltage Equipment (Above 480 Volts)		
Disconnects	56	3 (13-10) 19 (7-6)
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes	9. Insulation
2. Conduit	10. Plugs
3. Connectors	11. Receptacles
4. Breaker	12. Safety Switch
5. Grounds	13. Switch
6. Ground Mats	14. Warning Signs
7. Identification	15. Other (Note in Remarks)
8. Inspection Date and Tag	

UNSATISFACTORY CONDITION

1. Broken	6. Does Not Meet Plant Specifications
2. Cracked	7. Not Provided
3. Damaged	8. Ungrounded
4. Deteriorated	9. Unguarded
5. Identification	10. Clogged

REMARKS:

Bob West contacted and requested to check out all electrical cords, tools + welders.

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1401	Sheet metal Shop	01	22	06	37	36	4-20-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	5	1 (31)	Use of Safe Attire	11	
Use of Tools	5		Use of Personnel Protective Devices	15	
Use and Maintenance of Machines & Equipment			Work Habits		
Use of Ionizing Radiation Sources	1				

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees	11. Machine Left Running Unattended	21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
2. Failed to Use Crane Hand Signals	12. Operating With Safety Device Removed	22. Entrance Made (Under Unsafe Act No. 21)
3. Failed to Use Warning Device	13. Incorrect Safety Device Used	23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
4. Regularly Used Limit Switch to Stop Motion	14. Operating With Safety Device Improperly Adjusted	24. Film Badge Not Worn
5. Materials Stored, Mixed, or Combined to Create a Hazard	15. Respiratory Protection Not Worn	25. Eye Protection Not Worn
6. Flammables Handled in Unapproved Safety Can	16. Improper Respiratory Protection Worn	26. Improper Eye Protection
7. Incorrect Tool Used	17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling	27. Hard Hats Not Worn
8. Unsafe Tool Used	18. Working on Equipment Not Secured Against Unexpected Operation	28. Gloves Not Worn
9. Tool Used Improperly	19. Passenger Permitted to Ride in Unsafe Manner	29. Smoking in Posted Areas
10. Machine Operated at Unsafe Speed	20. Operable Radiation Survey Meter Not at Job Site	30. Eating in Posted Areas

31 - Swinging load

REMARKS:

AUDITED BY (SIGNATURE) W. P. Elis

REVIEWED WITH (SIGNATURE) D. Gillespie

05 - Electrical
06 - Work Practices

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

Page 4 of ____

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1401	Sheet Metal Shop	01	22	07	43	32	4-20-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE OF TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered	9	8(1-14)(6-14)(6-14)(8-14)
Hand	34	3(7-9)
Hydraulic		
Pneumatic Powered		
Powder Actuated		

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1401	Sheet Metal Shop	01	22	08	8	8	4-20-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor			Power Truck		
Chain Hoist			Tractor		
Electric Hoist	2		Plant Railway		
Winch or Tugger			Skid		
Sling	3		Pallet		
Lifting Fixture			Bicycle		
Dolley	1		Bus		
Handtruck			Passenger Car		
Wheelbarrow			Motor Truck		
Fork Truck	2		Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Cr g Signals	25. Hitches	39. Other (Note in Remarks)
12. C g Signs	26. Hooks	
13. De an Control	27. Horn	
14. Deck	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) C. Gillson

07 - Power Tools
08 - Materials Handling

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1401	Sheet Metal Shop	01	22	09	15	15	4-20-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Acetone Tank			Freon Tank		
Air Receivers			HF Tank		
Boilers			UF_6 Containers		
Compressed Gas Cylinders	15		Water Storage Heaters		
Fluorine Tank			Other *(Note in Remarks)*		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other *(Note in Remarks)*
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other *(Note in Remarks)*	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED BY (SIGNATURE) C. Gillespie

09 - Pressure Vessels & Gas Cylinders

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1401	Sheet metal Shop	01	22	10	56	46	4-20-1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

M. E INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Arc Cutting Unit			Oxygen-Arc Cutting Unit	2	
Automatic Arc Welding Unit			Paper Cutter		
Bench or Pedestal, Grinder	13	1 (26-5)	Planer (metal)		
Blower			Planer (wood)		
Boring Mill			Power Press	4	1 (6-3)
Centrifuge			Press Brake		
Compressor			Pulverizer		
Crusher			Pump		
Diesels (stationary)			Saw (band - metal)	2	
Drill Press			Saw (band - wood)		
Fans	16	1 (18-7)	Saw (circular - metal)		
Forming Rolls	3		Saw (circular - wood)		
Gear Cutter			Saw (jig)		
Grinding Machine			Saw (power - rip)		
Hobber			Saw (radial) Abrasive	1	
Jointer			Saw (swing)		
Lat[illegible] gine)			Screw Machine		
Lath[illegible] urret)			Shaper (metal)		
Lathe (woodworking)			Shaper (wood)		
Manual Arc Cutting Unit			Shears	6	
Manual Arc Welding Unit	4	3 (20-7) (2-3)	Slicer		
~~Mixer~~ Nibblers	2	2 (14-7) ?	Other (Note in Remarks)	3	2 (14-7) ?

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears) & shaft	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) G. Gillespie

10 - Machinery and Equipment

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

JW

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1401	Cleaning Area	01	43	01	26	23	4-14-61
BM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Sprinkler System			Fire Extinguishers	8	3 (3-13)
Emergency Exits			Protective Equip. Supply	2	
Emergency Station	1		P. A. System		
Evacuation Alarm	1		Safety Showers	6	
Eye Baths	6		Standpipes		
Fire Alarm Boxes	2		Other (Note in Remarks)		
Fire Doors					

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
				02	28	27	4-14-61
BM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	6	1 (6-8)	Radiating Surfaces		
Illumination	6		Traffic Control	2	
Material Containment	8		Ventilation	6	
Radiation			Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Areas
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:
1. Repair [illegible] at Acid Transfer Cannon - 403-354, 35-34.
2. Welding cable on floor - [illegible]
3. [illegible]
4. [illegible]

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) G. J. Hickey

01 - Fixed Protection
02 - Environmental Control

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1401	Cleaning Area	01	43	03	33	31	4-14-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Catwalks			Ladder (stationery)	2	
Exit	8	1(8-4) Door to acid pump house	Platforms	2	
Floors	6		Scaffolds		
Furniture	4		Stairs	3	
Ladder (portable) 1	8	1(3-4)	Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1401	Cleaning Area	01	43	04	15	7	4-14-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine			Steam (Bldg Ht - Below 15 psig)	4	
Hydrofluoric Acid			Steam (Low Pressure - 15-250 psig)		
Natural Gas			Steam (High Pressure - above 250 psig)		
Pyrofax			Other (Note in Remarks)	11	4(4-13) 2(17-17) 1(10-8)

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks) Gas not visible	8. Indistinct	17. Other (Note in Remarks) Not provided
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) B. F. Hickey

03 - Work Surfaces
04 - Piping & Containers

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1401	Cleaning Area	01	43	05	142	94	4-14-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Corded Equipment	17	3 (8-6)
Utilization Equipment	30	10 (7-7) (1-5)
High Voltage Equipment (Above 480 Volts)		
Disconnects	95	35 (7-6)
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
6. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1401	Cleaning Area	01	43	06	35	34	4-14-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	6		Use of Safe Attire	6	
Use of Tools	1		Use of Personnel Protective Devices	10	
Use and Maintenance of Machines & Equipment	6		Work Habits	6	1 (19)
Use of Ionizing Radiation Sources					

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) G. F. Hickey

05 - Electrical
06 - Work Practices

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1401	Cleaning Area	01	43	07	14	12	4-14-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE OF TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered	4	
Hand	10	2-7-9
Hydraulic		
Pneumatic Powered		
Powder Actuated		

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other *(Note in Remarks)*
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other *(Note in Remarks)*
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1401	Cleaning Area	01	43	08	127	122	4-14-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor			Power Truck		
Chain Hoist			Tractor		
Electric Hoist	4		Plant Railway		
Winch or Tugger	2		Skid		
Sling	45	2(5-1)	Pallet	32	3(14-1)
Lifting Fixture	37		Bicycle		
Dolley	3		Bus		
Handtruck			Passenger Car		
Wheelbarrow			Motor Truck		
Fork Truck	1		Other *(Note in Remarks)*	3	

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. C g Signals	25. Hitches	39. Other *(Note in Remarks)*
12. C g Signs	26. Hooks	
13. De an Control	27. Horn	
14. Deck	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other *(Note in Remarks)*
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) G. Z. Hickey

07 - Power Tools
08 - Materials Handling

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1401	Cleaning Area	01	43	07	14	12	4-14-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE OF TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered	4	
Hand	10	2(7-9)
Hydraulic		
Pneumatic Powered		
Powder Actuated		

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1401	Cleaning Area	01	43	08	127	122	4-14-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor			Power Truck		
Chain Hoist			Tractor		
Electric Hoist	4		Plant Railway		
Winch or Tugger	2		Skid		
Sling	45	2(5-6)	Pallet	32	3(14-1)
Lifting Fixture	37		Bicycle		
Dolley	3		Bus		
Handtruck			Passenger Car		
Wheelbarrow			Motor Truck		
Fork Truck	1		Other (Note in Remarks)	3	

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. C g Signals	25. Hitches	39. Other (Note in Remarks)
12. C g Signs	26. Hooks	
13. De ..ion Control	27. Horn	
14. Deck	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) G. Z. Hickey

07 - Power Tools
08 - Materials Handling

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1401	Cleaning Area	01	43	09	3	3	4-14-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Acetone Tank			Freon Tank	1	
Air Receivers			HF Tank		
Boilers			UF_6 Containers		
Compressed Gas Cylinders	2		Water Storage Heaters		
Fluorine Tank			Other (Note in Remarks)		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other (Note in Remarks)
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other (Note in Remarks)	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE) W P Ellis

REVIEWED WITH (SIGNATURE) G. F. Hickey

09 - Pressure Vessels & Gas Cylinders

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1401	Cleaning Area	01	43	10	17	15	4-14-61
BM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

M E INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Arc Cutting Unit			Oxygen-Arc Cutting Unit		
Automatic Arc Welding Unit			Paper Cutter		
Bench or Pedestal Grinder	2		Planer (metal)		
Blower	7	1(18-3)	Planer (wood)		
Boring Mill			Power Press		
Centrifuge			Press Brake		
Compressor			Pulverizer		
Crusher			Pump	2	1(18-10)
Diesels (stationary)			Saw (band - metal)		
Drill Press			Saw (band - wood)		
Fans	6		Saw (circular - metal)		
Forming Rolls			Saw (circular - wood)		
Gear Cutter			Saw (jig)		
Grinding Machine			Saw (power - rip)		
Hobber			Saw (radial)		
Jointer			Saw (swing)		
Lat' gine)			Screw Machine		
.ath. ..urret)			Shaper (metal)		
Lathe (woodworking)			Shaper (wood)		
Manual Arc Cutting Unit			Shears		
Manual Arc Welding Unit			Slicer		
Mixer			Turnover Other (Note in Remarks)	1	

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel) Coming	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) G. Z. Hickey

10 - Machinery and Equipment

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

4 hr.

FIXED PROTECTION
(Personnel - Fire)

JW

Page 1 of ____

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	VALVE & UTILITY SHOP	01	47	01	3	2	4/14/64
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Sprinkler System	—		Fire Extinguishers	1	1 (17 *
Emergency Exits	—		Protective Equip. Supply		
Emergency Station	—		P. A. System		
Evacuation Alarm			Safety Showers		
Eye Baths			Standpipes		
Fire Alarm Boxes	1		Other (Note in Remarks)		
Fire Doors					

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS: (17) EXTINGISHER NOT PROVIDED AT TWO LOCATIONS WHERE BOLUM IDENTIFICATION INDICATES THEIR PRESENCE. ALSO ONE OF EXTINGISHERS MARKED SATISFACTORY HAS HORN DISENGAGED FROM HOLDER & AN AIL HOSE HANGING ON EXTINGUISHED HOSE.

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	VALVE & UTILITY SHOP	01	47	02	10	6	4/14/1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	IIII	1 (6-17)** 1 (**	Radiating Surfaces		
Illumination	1		Traffic Control		
Material Containment	IIII	11 (6-16)*	Ventilation		
Radiation			Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Areas
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS: * (1) COVER OF STORAGE AREA NEAR COL E10 NOT SUITABLE FOR SUPORTING MATERIALS ON TOP OF THE INCLOSURE -- NOTE SAG. (2) COVERALLS ON FLOOR & METAL STOCK ON FLOOR AT STORAGE RACK @ COL F11

** 1 EXTENDING FROM UNDER WORK TABLE IN FRONT OF -(2) acid in unprotected GLASS.

89-61-14-11

AUDITED BY (SIGNATURE) [signature]

REVIEWED WITH (SIGNATURE) [signature]

01 - Fixed Protection
02 - Environmental Control

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	VALVE & UTILITY SHOP	01	47	03	7	6	4/14/1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART-REASON)	SURFACES CHECKED		NO. UNSATISFACTORY (PART-REASON)
Catwalks	✓		Ladder (stationery)		
Exit	—		Platforms		
Floors	///		Scaffolds	/	*
Furniture	11	1(21)	Stairs		
Ladder (portable)	/		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS: (21) STORAGE & WORK TABLE UNIT AT COL E-13 POOR PHYSICAL CONDITION, ROUGH TOP, NAILS PROTRUDING ETC

* GOOD JOB ON ADAPTION OF EZ LIFT TO WORK PLATFORM.

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	VALVE AND UTILITY SHOP	01	47	04	2	1	4/14/1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART-CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Fluorine			Steam (Bldg Ht - Below 15 psig)		
Hydrofluoric Acid			Steam (Low Pressure - 15-250 psig)		
Natural Gas			Steam (High Pressure - above 250 psig)		
Pyrofax			Other (Note in Remarks) PLANT AIR	11	1 (4-13)

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE) [signature]

REVIEWED WITH (SIGNATURE) [signature]

03 - Work Surfaces
04 - Piping & Containers

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Valve and Utility Shop	01	47	05	13	2	4/14/
IBM	6-45	46-49	50-51	52-53	54-57	58-61	62-67

INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)	~~IIII~~ 4	~~III~~ (7-6)
Corded Equipment	~~IIII~~ 1	~~III~~ (8-7) 1 (8-8)*
Utilization Equipment		
High Voltage Equipment (Above 480 Volts)		
Disconnects		
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats ✓
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
6. Does Not Meet Plant Specifications ✓
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

* SEAL-PEEL UNIT.

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Valve and Utility Shop	01	47	06	14	11	4/14/
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	1		Use of Safe Attire	III	
Use of Tools	II		Use of Personnel Protective Devices	~~IIII~~	1
Use and Maintenance of Machines & Equipment			Work Habits	III	1(*) 1(**)
Use of Ionizing Radiation Sources					

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS: * HAMMERING ON WRENCH TO LOOSEN VALVE WHILE CYLINDER IS SUSPENDED BY SLINGS. ** FAILED TO GET HELP ~~[illegible]~~ OR USE EQPT TO HANDLE HEAVY OBJECT.

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05 - Electrical
06 - Work Practices

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
401	Valve and Utility Shop	01	47	07	28	20	4/14/6
IBM 1-5	6-45	46-49	50/51	52-53	54-57	58-61	62-67

TY OL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered	HHI	HHI (14) ✓
Hand	~~HHHH

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1431	Valve and Repairing Shop	01	47	09	5	4	4/14
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Acetone Tank			Freon Tank		
Air Receivers			HF Tank		
Boilers			UF_6 Containers		
Compressed Gas Cylinders	14	1	Water Storage Heaters		
Fluorine Tank			Other *(Note in Remarks)*		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other *(Note in Remarks)*
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other *(Note in Remarks)*	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE) R F Shum

REVIEWED WITH (SIGNATURE) J. H. Rogers

09 - Pressure Vessels & Gas Cylinders

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1411	Power and Utility Shop	01	47	10	8	7	4/14/
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Arc Cutting Unit			Oxygen-Acetylene Unit	/	
Automatic Arc Welding Unit			Paper Cutter		
Bench or Pedestal Grinder	11	1 (26-5) *	Planer (metal)		
Blower			Planer (wood)		
Boring Mill			Power Press		
Centrifuge			Press Brake	/	
Compressor			Pulverizer		
Crusher			Pump		
Diesels (stationary)			Saw (band - metal)	/	
Drill Press	11		Saw (band - wood)		
Fans			Saw (circular - metal)		
Forming Rolls			Saw (circular - wood)		
Gear Cutter			Saw (jig)		
Grinding Machine			Saw (power - rip)		
Hobber			Saw (radial)		
Jointer			Saw (swing)		
Lathe (engine)	/	**	Screw Machine		
Lathe (turret)			Shaper (metal)		
Lathe (woodworking)			Shaper (wood)		
Manual Arc Cutting Unit			Shears		
Manual Arc Welding Unit			Slicer		
Mixer			Other (Note in Remarks)		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

* NOTE ONLY. GLASS SHIELDS SPLATTERED WITH PAINT SPRAY.

* NOT ADJUDGED TO BE A SAFETY HAZARD BUT CONDITION IN CATCHPAN MAY REFLECT A HOUSEKEEPING CONSIDERATION.

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10 - Machinery and Equipment

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

JW

Page 1 of _____

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1401	Sheet Metal Shop	01	22	01	2	1	3-30-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Automatic Sprinkler System			Fire Extinguishers	1	1 (3-6)
Emergency Exits			Protective Equip. Supply		
Emergency Station			P. A. System		
Evacuation Alarm			Safety Showers		
Eye Baths			Standpipes		
Fire Alarm Boxes	2		Other (Note in Remarks)		
Fire Doors					

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1401	Sheet metal Shop	01	22	02	24	24	3-30
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	6		Radiating Surfaces	1	
Illumination	6		Traffic Control	1	
Material Containment	9		Ventilation	1	
Radiation			Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Areas
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

217-165 18-16

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) D. Gillespie

01 - Fixed Protection
02 - Environmental Control

SAFETY AUDIT REPORT
UCN-2021 (1 [illegible] 60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1401	Sheet metal Shop	01	22	03	20	20	3-30
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED		NO. UNSATISFACTORY (PART - REASON)
Catwalks			Ladder (stationery)		
Exit	10		Platforms		
Floors	4		Scaffolds		
Furniture	10		Stairs		
Ladder (portable)			Other *(Note in Remarks)*		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other *(Note in Remarks)*
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other *(Note in Remarks)*	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1401	Sheet metal Shop	01	22	04	4	2	3-30
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine			Steam (Bldg Ht - Below 15 psig)		
Hydrofluoric Acid			Steam (Low Pressure - 15-250 psig)		
Natural Gas			Steam (High Pressure - above 250 psig)		
Pyrofax			Other *(Note in Remarks)*	2(4 - ;5)	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other *(Note in Remarks)*	8. Indistinct	17. Other *(Note in Remarks)*
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) L. Gillespie

03 - Work Surfaces
04 - Piping & Containers

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1401	Sheet metal Shop	[illegible]	[illegible]	05	62	28	3-30
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Corded Equipment	32	30 (8-6)
Utilization Equipment		
High Voltage Equipment (Above 480 Volts)		
Disconnects	31	7 (13-5)
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
6. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1401	Sheet metal Shop	01	22	06	18	17	3-30
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	1		Use of Safe Attire		
Use of Tools	1		Use of Personnel Protective Devices	12	1 (25)
Use and Maintenance of Machines & Equipment	3		Work Habits		
Use of Ionizing Radiation Sources	1				

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) G. Gillespie

05 - Electrical
06 - Work Practices

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1401	Sheet metal Shop	01	22	07	48	42	
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE OF TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered	6	3(6-14)
Hand	41	0(9-1)3(1-9)
Hydraulic		
Pneumatic Powered	1	
Powder Actuated		

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other *(Note in Remarks)*
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other *(Note in Remarks)*
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1401	Sheet metal Shop	01	22	08	10	10	3-30
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor			Power Truck		
Chain Hoist			Tractor		
Electric Hoist	2		Plant Railway		
Winch or Tugger			Skid		
Sling	6		Pallet		
Lifting Fixture			Bicycle		
Dolley	1		Bus		
Handtruck			Passenger Car		
Wheelbarrow			Motor Truck		
Fork Truck	1		Other *(Note in Remarks)*		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. C[illegible]g Signals	25. Hitches	39. Other *(Note in Remarks)*
12. C[illegible]g Signs	26. Hooks	
13. D[illegible]on Control	27. Horn	
14. Deck	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other *(Note in Remarks)*
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) C. Gillespie

07 - Power Tools
08 - Materials Handling

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1401	Sheet metal Shop	01	72	09	15	14	3-30
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Acetone Tank			Freon Tank		
Air Receivers			HF Tank		
Boilers			UF_6 Containers		
Compressed Gas Cylinders	15	1 (11-5)	Water Storage Heaters		
Fluorine Tank			Other (Note in Remarks)		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other (Note in Remarks)
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other (Note in Remarks)	7. Incorrect	14. Not Shielded	

REMARKS:

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REVIEWED WITH (SIGNATURE) [signature]

09 - Pressure Vessels & Gas Cylinders

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1401	Sheet metal Shop	01	22	10	31	26	3-30
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Arc Cutting Unit			Oxygen-Arc Cutting Unit	1	
Automatic Arc Welding Unit	2		Paper Cutter		
Bench or Pedestal Grinder	6	2(26-5)	Planer (metal)		
Blower			Planer (wood)		
Boring Mill			Power Press		
Centrifuge			Press Brake		
Compressor			Pulverizer		
Crusher			Pump		
Diesels (stationary)			Saw (band - metal)	2	
Drill Press	8	1(20-7) 1(28-14)	Saw (band - wood)		
Fans	9		Saw (circular - metal)		
Forming Rolls			Saw (circular - wood)		
Gear Cutter			Saw (jig)		
Grinding Machine			Saw (power - rip)		
Hobber			Saw (radial)		
Jointer			Saw (swing)		
Lathe (engine)			Screw Machine		
Lathe (turret)			Shaper (metal)		
Lathe (woodworking)			Shaper (wood)		
Manual Arc Cutting Unit			Shears		
Manual Arc Welding Unit	1	1(20-7)	Slicer		
Mixer			Sander Other (Note in Remarks)	2	

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks) Not secured
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks) Pedestal base	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATORY) C. Gillespie

10 - Machinery and Equipment

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

JW

Page 1 of ____

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1401	Cleaning area	01	43	01	25	23	3-27-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Sprinkler System			Fire Extinguishers	4	1 (3-13)
Emergency Exits			Protective Equip. Supply	7	1 (3-13)
Emergency Station			P. A. System		
Evacuation Alarm			Safety Showers	6	
Eye Baths	6		Standpipes		
Fire Alarm Boxes	2		Other (Note in Remarks)		
Fire Doors					

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1401	Cleaning area	01	43	02	31	29	3-27-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	6	1 (6-8)	Radiating Surfaces		
Illumination	6		Traffic Control	3	
Material Containment	6		Ventilation	10	1 (6-11)
Radiation			Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Areas
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

AUDITED BY (SIGNATURE) W P Ellis

REVIEWED WITH (SIGNATURE) G. F. Hickey

235-199 / 26-26

01 - Fixed Protection
02 - Environmental Control

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1401	Cleaning Area	01	43	03	21	21	3-27-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART-REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART-REASON)
Catwalks			Ladder (stationery)		
Exit	5		Platforms	2	
Floors	4		Scaffolds		
Furniture	4		Stairs	2	
Ladder (portable)	4		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1401	Cleaning Area	01	43	04	12	9	3-27-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART-CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Fluorine			Steam (Bldg Ht - Below 15 psig)		
Hydrofluoric Acid			Steam (Low Pressure - 15-250 psig)	6	
Natural Gas			Steam (High Pressure - above 250 psig)		
Pyrofax			Air hose Other (Note in Remarks)	6	3(4-13)

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) D. F. Hickey

03 - Work Surfaces
04 - Piping & Containers

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1401	Cleaning Area	01	43	05	47	24	3-27-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Corded Equipment	6	2(8-5)
Utilization Equipment	10	5(1-5)(1-5)
High Voltage Equipment (Above 480 Volts)		
Disconnects	31	16(13-5)
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
5. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1401	Cleaning Area	01	43	06	26	26	3-27-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	6		Use of Safe Attire	6	
Use of Tools	2		Use of Personnel Protective Devices	6	
Use and Maintenance of Machines & Equipment			Work Habits	6	
Use of Ionizing Radiation Sources					

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) G. E. Hickey

05 - Electrical
06 - Work Practices

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1401	Cleaning Area	01	43	07	35	33	
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE OF TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered	5	
Hand	30	1(7-9) 1(9-10)
Hydraulic		
Pneumatic Powered		
Powder Actuated		

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1401	Cleaning Area	01	43	08	35	33	3-27-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor			Power Truck	3	
Chain Hoist			Tractor		
Electric Hoist	3		Plant Railway		
Winch or Tugger			Skid		
Sling	10		Pallet	10	2(19-1)
Lifting Fixture			Bicycle		
Dolley	5		Bus		
Handtruck	3		Passenger Car		
Wheelbarrow	1		Motor Truck		
Fork Truck			Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Cr g Signals	25. Hitches	39. Other (Note in Remarks)
12. C g Signs	26. Hooks	
13. De an Control	27. Horn	
14. Deck	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) B. J. Hickey

07 - Power Tools
08 - Materials Handling

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1401	Cleaning Area	01	43	09	20	20	3-27
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Acetone Tank			Freon Tank		
Air Receivers			HF Tank		
Boilers			UF_6 Containers		
19 Compressed Gas Cylinders	20		Water Storage Heaters		
Fluorine Tank			Other *(Note in Remarks)*		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other *(Note in Remarks)*
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other *(Note in Remarks)*	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE) W P Ellis

REVIEWED WITH (SIGNATURE) G. F. Hickey

09 - Pressure Vessels & Gas Cylinders

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1401	Cleaning area	01	43	10	9	7	3-27-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Arc Cutting Unit			Oxygen-Arc Cutting Unit		
Automatic Arc Welding Unit			Paper Cutter		
Bench or Pedestal Grinder			Planer (metal)		
Blower			Planer (wood)		
Boring Mill			Power Press		
Centrifuge			Press Brake		
Compressor			Pulverizer		
Crusher			Pump		
Diesels (stationary)			Saw (band - metal)		
Drill Press			Saw (band - wood)		
Fans	5		Saw (circular - metal)		
Forming Rolls			Saw (circular - wood)		
Gear Cutter			Saw (jig)		
Grinding Machine	2		Saw (power - rip)		
Hobber			Saw (radial)		
Jointer			Saw (swing)		
Lathe (engine)			Screw Machine		
Lathe (turret)			Shaper (metal)		
Lathe (woodworking)			Shaper (wood)		
Manual Arc Cutting Unit			Shears		
Manual Arc Welding Unit	2	2(20-7)	Slicer		
Mixer			Other (Note in Remarks)		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) G. Z. Hickey

10 - Machinery and Equipment

SAFETY AUDIT REPORT
UCN-2021 (1-9-60)

4/1/1 **FIXED PROTECTION** (Personnel - Fire) JW

Page 1 of ____

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Machine Shop	01	21	01	4	5	3/24/1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Auton. Sprinkler System			Fire Extinguishers	1111	1 * (15)
Emergency Exits			Protective Equip. Supply		
Emergency Station			P. A. System		
Evacuation Alarm			Safety Showers		
Eye Baths			Standpipes	/	
Fire Alarm Boxes	/		Other (Note in Remarks)		
Fire Doors					

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS: * COAT HANGING OVER EXTINGUISHER.

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	MACHINE SHOP	01	21	02	15	10	3/24/1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	111	11(6-14) 1(6-17)	Radiating Surfaces		
Illumination			Traffic Control		
Material Containment	111	1(*) 1(**)	Ventilation		
Radiation			Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Areas
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:
* COVERALL ON TOP OF BINS & SEVERAL ITEMS OF PERSONAL CLOTHING HANGING IN WORK AREAS
** NUMEROUS SLINGS ON FLOOR AS WELL AS OTHER ITEMS WHERE BINS OR SHELVES ARE AVAILABLE BUT NOT USED. --CLEAN RAGS NOT KEPT IN METAL CONTAINER.

NOTE. IN SPITE OF NUMEROUS MINOR HOUSEKEEPING INFRACTIONS THE OVERALL APPEARANCE OF THE MACHINE SHOP REFLECTS REAL IMPROVEMENT.

AUDITED BY (SIGNATURE) O Johnson

REVIEWED WITH (SIGNATURE) O.F. Clayton

01 - Fixed Protection
02 - Environmental Control

12-4-88 22-18

SAFETY AUDIT REPORT

UCN-202 P (1 '9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Machine Shop	01	21	03	7	5	3/27/11
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Catwalks	—		Ladder (stationery)	—	
Exit	—		Platforms	—	
Floors	~~111~~	1 *	Scaffolds	—	
Furniture	1	1 (11-1)	Stairs	—	
Ladder (portable)	1		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS: * CONDUIT TRENCH, ALTHOUGH TEPORARY, MAY NEED TO BE ROPES-OFF OR WARNING SIGNS PROVIDED.

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Machine Shop	01	21	04	3	3	
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine			Steam (Bldg Ht - Below 15 psig)		
Hydrofluoric Acid			Steam (Low Pressure - 15-250 psig)		
Natural Gas			Steam (High Pressure - above 250 psig)		
Pyrofax			Other (Note in Remarks) PLANT AIR	///	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE) [signature]

REVIEWED WITH (SIGNATURE) [signature]

03 - Work Surfaces
04 - Piping & Containers

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Machine Shop	01	2	05	33	16	3/24/1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEMS INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)	~~IIII~~ ~~IIII~~ ~~IIII~~ ~~IIII~~	(7-6)
Corded Equipment	~~IIII~~ I	~~IIII~~ I
Utilization Equipment	~~IIII~~ II	I (*)
High Voltage Equipment (Above 480 Volts)		
Disconnects		
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes	9. Insulation
2. Conduit	10. Plugs
3. Connectors	11. Receptacles
4. Breaker	12. Safety Switch
5. Grounds	13. Switch
6. Ground Mats	14. Warning Signs
7. Identification	15. Other (Note in Remarks)
8. Inspection Date and Tag	

UNSATISFACTORY CONDITION

1. Broken	6. Does Not Meet Plant Specifications
2. Cracked	7. Not Provided
3. Damaged	8. Ungrounded
4. Deteriorated	9. Unguarded
5. Identification	

REMARKS:

* JUNCTION BOX COVER

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
				06	22	18	3/24/1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	I		Use of Safe Attire	~~IIII~~ ~~IIII~~	III (*)
Use of Tools	II		Use of Personnel Protective Devices	~~II~~	
Use and Maintenance of Machines & Equipment	II		Work Habits	V	I (11) I (9)
Use of Ionizing Radiation Sources					

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees	11. Machine Left Running Unattended	21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
2. Failed to Use Crane Hand Signals	12. Operating With Safety Device Removed	22. Entrance Made (Under Unsafe Act No. 21)
3. Failed to Use Warning Device	13. Incorrect Safety Device Used	23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
4. Regularly Used Limit Switch to Stop Motion	14. Operating With Safety Device Improperly Adjusted	24. Film Badge Not Worn
5. Materials Stored, Mixed, or Combined to Create a Hazard	15. Respiratory Protection Not Worn	25. Eye Protection Not Worn
6. Flammables Handled in Unapproved Safety Can	16. Improper Respiratory Protection Worn	26. Improper Eye Protection
7. Incorrect Tool Used	17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling	27. Hard Hats Not Worn
8. Unsafe Tool Used	18. Working on Equipment Not Secured Against Unexpected Operation	28. Gloves Not Worn
9. Tool Used Improperly	19. Passenger Permitted to Ride in Unsafe Manner	29. Smoking in Posted Areas
10. Machine Operated at Unsafe Speed	20. Operable Radiation Survey Meter Not at Job Site	30. Eating in Posted Areas

REMARKS: * WRIST WATCHES & LONG SLEEVES

AUDITED BY (SIGNATURE) W. F. Shinn

REVIEWED WITH (SIGNATURE) O. F. Clayton

05 - Electrical
06 - Work Practices

SAFETY AUDIT REPORT

UCN-2021 (1-9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Machine Shop	01	21	07	20	16	3/24/1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE OF TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered	111	1 (6-14) 1(8-14)
Hand	11	1 (9-7) 1(9-10)
Hydraulic	—	
Pneumatic Powered	—	
Powder Actuated	—	

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Machine Shop	01	21	08	16	14	3/24/1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor	—		Power Truck	1	
Chain Hoist	—		Tractor		
Electric Hoist	111		Plant Railway		
Winch or Tugger	—		Skid		
Sling	111		Pallet	11	
Lifting Fixture	11		Bicycle		
Dolley	11	1 (39) **	Bus		
Handtruck	11	1 (23-1) 1(*	Passenger Car		
Wheelbarrow			Motor Truck		
Fork Truck			Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Cr[illegible] Signals	25. Hitches	39. Other (Note in Remarks)
12. C[illegible] Signs	26. Hooks	
13. De[illegible]an Control	27. Horn	
14. Deck	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS: * BRACE LOOSE, ** FLOOR OF CART IN POOR REPAIR,

AUDITED BY (SIGNATURE) Wm. T. Shinn

REVIEWED WITH (SIGNATURE) O F Clayton

07 - Power Tools
08 - Materials Handling

SAFETY AUDIT REPORT

UCN-2021 (1-9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Machine Shop			09	2	2	3/24/
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Acetylene Tank			Freon Tank		
Air Receivers			HF Tank		
Boilers			UF_6 Containers		
Compressed Gas Cylinders	11		Water Storage Heaters		
Fluorine Tank			Other *(Note in Remarks)*		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other *(Note in Remarks)*
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other *(Note in Remarks)*	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE) W. T. Shum

REVIEWED WITH (SIGNATURE) O F Clayton

09 - Pressure Vessels & Gas Cylinders

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Machine Shop	01	21	10	22	17	3/24/11
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

M E INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Arc Cutting Unit			Oxygen-Arc Cutting Unit		
Automatic Arc Welding Unit			Paper Cutter		
Bench or Pedestal Grinder	///	1 (26-5) 1 *	Planer (metal)		
Blower			Planer (wood)		
Boring Mill	//		Power Press	—	
Centrifuge	—		Press Brake	—	
Compressor	—		Pulverizer	—	
Crusher	—		Pump	—	
Diesels (stationary)			Saw (band - metal)	/	
Drill Press	////	11 (13-7)	Saw (band - wood)		
Fans	///	1 (WIRE GUARD)	Saw (circular - metal)	—	
Forming Rolls	—		Saw (circular - wood)	—	
Gear Cutter	/		Saw (jig)	—	
Grinding Machine	//		Saw (power - rip)		
Hobber			Saw (radial)	/	
Jointer			Saw (swing)		
La gine)	///		Screw Machine	—	
Lathe (turret)	//		Shaper (metal)	—	
Lathe (woodworking)			Shaper (wood)	—	
Manual Arc Cutting Unit			Shears	—	
Manual Arc Welding Unit			Slicer	—	
Mixer			Other (Note in Remarks)		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS: * VIBERATION INDICATES WHEEL OUT OF BALANCE & GLASS SHIELDS SPRAYED WITH PAINT. (NEAR D2 ALL BANDSAW)

AUDITED BY (SIGNATURE) [signature]

REVIEWED WITH (SIGNATURE) [signature]

10 - Machinery and Equipment

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

Page 1 of ____

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	AXIAL FLOW COMP. SHOP	01	45	01	4	2	3/22/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto. Sprinkler System			Fire Extinguishers	11	1 (3-10)
Emergency Exits	1	1 *	Protective Equip. Supply		
Emergency Station			P. A. System		
Evacuation Alarm			Safety Showers		
Eye Baths			Standpipes	1	
Fire Alarm Boxes			Other (Note in Remarks)		
Fire Doors					

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS: * EXIT SIGN SHOULD BE REMOVED FROM DOOR NO LONGER USED AS AN EXIT.

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	AXIAL FLOW COMPRESSOR SHOP	01	45	02	9	6	3/22/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	~~111~~	111	Radiating Surfaces	—	
Illumination	111		Traffic Control	—	
Material Containment	1		Ventilation	—	
Radiation	—		Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Areas
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

AUDITED BY (SIGNATURE) B. Axis

REVIEWED WITH (SIGNATURE) AJ Williams 77-54 14-13

01 - Fixed Protection
02 - Environmental Control

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Orbital Flow Confirmation Shop	01	45	03	9	8	3/22/64
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Catwalks	III	1 (10-6) *	Ladder (stationery)	1	
Exit			Platforms	1	
Floors	1		Scaffolds		
Furniture	II		Stairs	1	1 (10-3)
Ladder (portable)	—		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS: IMPROVEMENT IN GUARD CHAINS & PIPE HANDRAIL GATES BUT SOME FURTHER
* WORK REMAINS TO BE DONE.

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Orbital Flow Confirmation Shop	01	45	04	2	0	3-22-64
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine			Steam (Bldg Ht - Below 15 psig)		
Hydrofluoric Acid			Steam (Low Pressure - 15-250 psig)		
Natural Gas			Steam (High Pressure - above 250 psig)		
Pyrofax			Other (Note in Remarks) AIR	II	II (4-13)

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE) [signature]

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03 - Work Surfaces
04 - Piping & Containers

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Axial Flow Compressor Shop	01	45	05	15	8	3/22/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEMS INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)	~~IIII~~	III (7-6)
Corded Equipment	~~IIII~~	~~IIII~~ II (8-6)
Utilization Equipment	II	I (1-3)
High Voltage Equipment (Above 480 Volts)		
Disconnects		
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
6. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Axial Flow Compressor Shop	01	45	06	14	13	3/22/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	II		Use of Safe Attire	IIII	
Use of Tools	II		Use of Personnel Protective Devices	~~IIII~~	1 (15)
Use and Maintenance of Machines & Equipment			Work Habits	1	(11)
Use of Ionizing Radiation Sources					

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

UDITED BY (SIGNATURE) [signature]

REVIEWED WITH (SIGNATURE) [signature]

05 - Electrical
06 - Work Practices

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Axial Flow Compressor Shop	01	45	07	14	12	3/22/1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE OF TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered	11	1 (11-14) 1 (8-14) 1 (7-14)
Hand	~~1~~	1 (7-5)
Hydraulic		
Pneumatic Powered	1	
Powder Actuated		

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Axial Flow Compressor Shop	01	45	08	10	9	3/22/1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor			Power Truck		
Chain Hoist	1		Tractor		
Electric Hoist	1		Plant Railway		
Winch or Tugger			Skid		
Sling	1111		Pallet	1	
Lifting Fixture	1		Bicycle		
Dolley	111		Bus		
Handtruck			Passenger Car		
Wheelbarrow			Motor Truck		
Fork Truck			Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Cr[illegible] Signals	25. Hitches	39. Other (Note in Remarks)
12. C[illegible] Signs	26. Hooks	
13. De[illegible]on Control	27. Horn	
14. Deck	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE) [illegible]

REVIEWED WITH (SIGNATURE) [illegible]

07 - Power Tools
08 - Materials Handling

SAFETY AUDIT REPORT
UCN-2021.(1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Axial Flow Compressor Shop	01	45	09	6	6	3/22/
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Acetone Tank			Freon Tank		
Air Receivers			HF Tank		
Boilers			UF_6 Containers		
Compressed Gas Cylinders	1		Water Storage Heaters		
Fluorine Tank			Other *(Note in Remarks)*		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other *(Note in Remarks)*
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other *(Note in Remarks)*	7. Incorrect	14. Not Shielded	

REMARKS:

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09 - Pressure Vessels & Gas Cylinders

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Axial Flow Compressor Shop	01	45	10	4	3	3/22/
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Arc Cutting Unit			Oxygen-Arc Cutting Unit	/	
Automatic Arc Welding Unit			Paper Cutter	—	
Bench or Pedestal Grinder	/		Planer (metal)	—	
Blower	—		Planer (wood)		
Boring Mill	—		Power Press		
Centrifuge	—		Press Brake		
Compressor	—		Pulverizer		
Crusher	—		Pump		
Diesels (stationary)	—		Saw (band - metal)		
Drill Press	—		Saw (band - wood)		
Fans	11.	1*	Saw (circular - metal)		
Forming Rolls			Saw (circular - wood)		
Gear Cutter	—		Saw (jig)		
Grinding Machine	—		Saw (power - rip)		
Hobber			Saw (radial)		
Jointer	—		Saw (swing)		
Lat[illegible] gine)	—		Screw Machine		
Lath[illegible] urret)	—		Shaper (metal)		
Lathe (woodworking)	—		Shaper (wood)		
Manual Arc Cutting Unit	—		Shears		
Manual Arc Welding Unit	—		Slicer		
Mixer			Other (Note in Remarks)		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS: MANNER IN WHICH FAN IS SECURED TO COL 11 B MAY BE OF QUESTIONABLE SAFETY.

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10 - Machinery and Equipment

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

2 hrs. **FIXED PROTECTION**
(Personnel - Fire)

Page 1 of ____

BUILDING (IBM 1-5)	LOCATION (6-45)	DIVISION CODE (46-49)	LOCATION CODE (50-51)	CLASS CODE (52-53)	NO. INSPECTED (54-57)	NO. SATISFACTORY (58-61)	DATE (62-67)
1401	VACUUM PUMP SHOP	01	48	01	3	3	3/21/1

INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Sprinkler System	—		Fire Extinguishers	//	
Emergency Exits	—		Protective Equip. Supply	—	
Emergency Station			P. A. System	—	
Evacuation Alarm	—		Safety Showers	—	
Eye Baths			Standpipes		
Fire Alarm Boxes	/		Other (Note in Remarks)		
Fire Doors					

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING (IBM 1-5)	LOCATION (6-45)	DIVISION CODE (46-49)	LOCATION CODE (50-51)	CLASS CODE (52-53)	NO. INSPECTED (54-57)	NO. SATISFACTORY (58-61)	DATE (62-67)
1401	VACUUM PUMP SHOP	01	48	02	8	6	3/21

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	~~///~~	// (6-16) *	Radiating Surfaces	—	
Illumination	//		Traffic Control	—	
Material Containment	/		Ventilation	—	
Radiation	—		Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Areas
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS: * SHOP & EQUIPMENT IN PROCESS of BEING RELOCATED.

AUDITED BY (SIGNATURE) B. F. Shum

REVIEWED WITH (SIGNATURE) R. L. Simart 85-66 10-8

01 - Fixed Protection
02 - Environmental Control

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
141	Vacuum Pump Shop	01	48	03	8	8	
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Catwalks	—		Ladder (stationery)	—	
Exit	/		Platforms	—	
Floors	///		Scaffolds	—	
Furniture	///		Stairs	—	
Ladder (portable)	/		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Vacuum Pump Shop	01	48	04	2	2	3/24/1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine			Steam (Bldg Ht - Below 15 psig)		
Hydrofluoric Acid			Steam (Low Pressure - 15-250 psig)		
Natural Gas			Steam (High Pressure - above 250 psig)		
Pyrofax			Other (Note in Remarks) PLANT AIR	//	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE) [illegible]

REVIEWED WITH (SIGNATURE) R. L. Bernart.

03 - Work Surfaces
04 - Piping & Containers

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NOT SATISFACTORY	DATE
1401	Vacuum Pump Shop	01	48	05	18	9	3/21/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)	~~HH~~ ~~HH~~	III (7-6)
Corded Equipment	~~HH~~	~~HH~~ (7-6)
Utilization Equipment	II	
High Voltage Equipment (Above 480 Volts)		
Disconnects		
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged.
4. Deteriorated
5. Identification
6. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Vacuum Pump Shop	01	48	06	90	8	3/21/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	II	1(*) 1(**)	Use of Safe Attire	III	
Use of Tools	I		Use of Personnel Protective Devices	III	
Use and Maintenance of Machines & Equipment			Work Habits	I	1 (***)
Use of Ionizing Radiation Sources					

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS: MANUAL MOVEMENT of HEAVY DEVICE WITHOUT GETTING HELP.

* LOAD CARRIED ON FORK LIFT WITH FORKS ELAVATED

*** [redacted] BREAK-IN RUN OF EQUIPMENT IN TEST STAND WHERE [redacted] V BELT & PULLEYS ARE NOT GUARDED.

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE) R. B. Leinart

05 - Electrical
06 - Work Practices

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Vacuum Pump Shop	01	48	07	18	13	3/21/64
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE OF TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered	111	1 (6-14) 1(2-14) 1(11-14)
Hand	~~HHHH~~ 24	1. (9-7) 1. (19-X
Hydraulic		
Pneumatic Powered		
Powder Actuated		

UNSATISFACTORY TOOL		
1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS: BIT SHARPENED INCORRECTLY,

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Vacuum Pump Shop	01	48	08	11	9	3/21/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor			Power Truck	1	1 (27-14)
Chain Hoist			Tractor		
Electric Hoist	11		Plant Railway		
Winch or Tugger			Skid		
Sling	~~HHH~~ 1		Pallet		
Lifting Fixture			Bicycle		
Dolley			Bus		
Handtruck	11	1 (23-1)	Passenger Car		
Wheelbarrow			Motor Truck		
Fork Truck			Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Cr[illegible]g Signals	25. Hitches	39. Other (Note in Remarks)
12. C[illegible]g Signs	26. Hooks	
13. D[illegible]an Control	27. Horn	
14. Deck	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE) [illegible]

REVIEWED WITH (SIGNATURE) R. L. Lemart

07 - Power Tools
08 - Materials Handling

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Vacuum Pump Shop	01	48	09	10	10	7/2/1
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Acetone Tank			Freon Tank		
Air Receivers			HF Tank		
Boilers			UF_6 Containers		
Compressed Gas Cylinders	~~HHHH~~		Water Storage Heaters		
Fluorine Tank			Other *(Note in Remarks)*		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other *(Note in Remarks)*
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other *(Note in Remarks)*	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE) [signature]

REVIEWED WITH (SIGNATURE) R. B. Lenart

09 - Pressure Vessels & Gas Cylinders

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING (IBM 1-5)	LOCATION (6-45)	DIVISION CODE (46-49)	LOCATION CODE (50-51)	CLASS CODE (52-53)	NO. INSPECTED (54-57)	NO. SATISFACTORY (58-61)	DATE (62-67)
1401	VACUUM PUMP SHOP	01	28	10	8	6	3/21/61

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Arc Cutting Unit			Oxygen-Arc Cutting Unit		
Automatic Arc Welding Unit			Paper Cutter		
Bench or Pedestal Grinder	//	1 (26-9)*	Planer (metal)		
Blower			Planer (wood)		
Boring Mill			Power Press		
Centrifuge			Press Brake		
Compressor			Pulverizer		
Crusher			Pump	/	
Diesels (stationary)			Saw (band - metal)		
Drill Press	///		Saw (band - wood)		
Fans	/		Saw (circular - metal)		
Forming Rolls			Saw (circular - wood)		
Gear Cutter			Saw (jig)		
Grinding Machine			Saw (power - rip)		
Hobber			Saw (radial)		
Jointer			Saw (swing)		
Lat' gine)	/		Screw Machine		
Latt. urret)			Shaper (metal)		
Lathe (woodworking)			Shaper (wood)		
Manual Arc Cutting Unit			Shears		
Manual Arc Welding Unit			Slicer		
Mixer			Other (Note in Remarks)		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS: * BUFFER (WIRE BRUSH SIDE)

AUDITED BY (SIGNATURE) [signature]

REVIEWED WITH (SIGNATURE) R. B. Lemart

10 - Machinery and Equipment

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

FIXED PROTECTION 2 1/2 hrs in another area
(Personnel - Fire)

Page 1 of 11

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Valve & Utility Shop	01	47	01	3	1	3/20/1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto Sprinkler System			Fire Extinguishers	11	1 (3-6) * 1 (3-10)
Emergency Exits			Protective Equip. Supply		
Emergency Station			P. A. System		
Evacuation Alarm			Safety Showers		
Eye Baths			Standpipes		
Fire Alarm Boxes	1		Other (Note in Remarks)		
Fire Doors					

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated ✓
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS: * NOT COMPLETELY BLOCKED BUT NOT READILY ACCESSABLE - COL # F10

ENVIRONMENTAL CONTROL

BUILD	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Valve and Utility Shop	01	47	02	8	3	3/20/1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	~~1~~ 1	1 (L-16)	Radiating Surfaces		
Illumination	1		Traffic Control		
Material Containment	1	1 (L-17)	Ventilation		
Radiation			Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Areas
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS: HOUSEKEEPING AUDIT PROBABLY NOT REPRESENTATIVE DUE TO MOVES IN PROGRESS AND AN UNUSUALLY LARGE NUMBER OF ITEMS BEING COLLECTED FOR DISPOSAL.

99-67 9.4

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01 - Fixed Protection
02 - Environmental Control

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Valve and Utility Shop	01	47	03	8	5	3/20/
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED		NO. UNSATISFACTORY (PART - REASON)
Catw.	—		Ladder (stationery)	—	
Exit	1		Platforms	—	
Floors	111.	1 (*) 1 (**)	Scaffolds	—	
Furniture			Stairs	—	
Ladder (portable)	117	1 (12-9)	Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS: * SINCE 4" HOLES IN BASE OF SPOOL BUILDING JIG ARE NOT FUNCTIONAL, CONSIDERATION SHOULD BE GIVEN TO THEIR ELIMINATION, [redacted]

** STRAP FORMALY USED TO GROUND FIXTURE NEEDS TO BE REMOVED

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
				04			
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine			Steam (Bldg Ht - Below 15 psig)		
Hydrofluoric Acid			Steam (Low Pressure - 15-250 psig)		
Natural Gas			Steam (High Pressure - above 250 psig)		
Pyrofax			Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

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03 - Work Surfaces
04 - Piping & Containers

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING (IBM 1-5)	LOCATION (6-45)	DIVISION CODE (46-49)	LOCATION CODE (50-51)	CLASS CODE (52-53)	NO. INSPECTED (54-57)	NO. SATISFACTORY (58-61)	DATE (62-67)
1401	Valve and Utility Shop	01	47	05	18	8	3/20/

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM - CONDITION)
Low Voltage Equipment (Below 480 Volts)	1	1 (7-6) 1 (1-9) *
Corded Equipment	1	1 (8-6)
Utilization Equipment	1	
High Voltage Equipment (Above 480 Volts)		
Disconnects		
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes	9. Insulation
2. Conduit	10. Plugs
3. Connectors	11. Receptacles
4. Breaker	12. Safety Switch
5. Grounds	13. Switch
6. Ground Mats	14. Warning Signs
7. Identification	15. Other (Note in Remarks)
8. Inspection Date and Tag	

UNSATISFACTORY CONDITION

1. Broken	6. Does Not Meet Plant Specifications
2. Cracked	7. Not Provided
3. Damaged	8. Ungrounded
4. Deteriorated	9. Unguarded
5. Identification	

REMARKS:

* Cover Plate.

WORK PRACTICES

BUILDING (IBM 1-5)	LOCATION (6-45)	DIVISION CODE (46-49)	LOCATION CODE (50-51)	CLASS CODE (52-53)	NO. INSPECTED (54-57)	NO. SATISFACTORY (58-61)	DATE (62-67)
1401	Valve and Utility Shop	01	47	06	9	4	3/20/

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	1		Use of Safe Attire	1	1
Use of Tools	1		Use of Personnel Protective Devices		
Use and Maintenance of Machines & Equipment			Work Habits	1	1(*) 1(**) 1(***)
Use of Ionizing Radiation Sources					

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees	11. Machine Left Running Unattended	21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
2. Failed to Use Crane Hand Signals	12. Operating With Safety Device Removed	22. Entrance Made (Under Unsafe Act No. 21)
3. Failed to Use Warning Device	13. Incorrect Safety Device Used	23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
4. Regularly Used Limit Switch to Stop Motion	14. Operating With Safety Device Improperly Adjusted	24. Film Badge Not Worn
5. Materials Stored, Mixed, or Combined to Create a Hazard	15. Respiratory Protection Not Worn	25. Eye Protection Not Worn
6. Flammables Handled in Unapproved Safety Can	16. Improper Respiratory Protection Worn	26. Improper Eye Protection
7. Incorrect Tool Used	17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling	27. Hard Hats Not Worn
8. Unsafe Tool Used	18. Working on Equipment Not Secured Against Unexpected Operation	28. Gloves Not Worn
9. Tool Used Improperly	19. Passenger Permitted to Ride in Unsafe Manner	29. Smoking in Posted Areas
10. Machine Operated at Unsafe Speed	20. Operable Radiation Survey Meter Not at Job Site	30. Eating in Posted Areas

REMARKS: * (OXY-ACETYLENE SHUT-OFF ONLY AT TORCH LEFT UNATTENDED)

** USING PIECE OF FLAT IRON AS A HAMMER.

*** " PLATFORM OF LIFT TRUCK TO STAND ON.

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05 - Electrical
06 - Work Practices

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING (1BM 1-5)	LOCATION (6-45)	DIVISION CODE (46-49)	LOCATION CODE (50-51)	CLASS CODE (52-53)	NO. INSPECTED (54-57)	NO. SATISFACTORY (58-61)	DATE (62-67)
1401	Valve and Utility Shop	01	47	07	18	14	3/20/1

TYPE OF TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered	IIII	III 6, 8 (14)
Hand	IIII/IIII	1 (7-9)
Hydraulic	—	
Pneumatic Powered	—	
Powder Actuated	—	

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING (1BM 1-5)	LOCATION (6-45)	DIVISION CODE (46-49)	LOCATION CODE (50-51)	CLASS CODE (52-53)	NO. INSPECTED (54-57)	NO. SATISFACTORY (58-61)	DATE (62-67)
1401	Valve and Utility Shop	01	47	08	13	13	3/20/1

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor			Power Truck	/	
Chain Hoist			Tractor		
Electric Hoist	IIII		Plant Railway		
Winch or Tugger			Skid		
Sling	III		Pallet	/	
Lifting Fixture	/		Bicycle		
Dolley	II		Bus		
Handtruck	/		Passenger Car		
Wheelbarrow			Motor Truck		
Fork Truck			Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Crossing Signals	25. Hitches	39. Other (Note in Remarks)
12. Crossing Signs	26. Hooks	
13. Dead Man Control	27. Horn	
14. Deck	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

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07 - Power Tools
08 - Materials Handling

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Valve & Utility Shop	01	47	09	19	12	3/2/
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Acetone Tank			Freon Tank		
Air Receivers			HF Tank		
Boilers			UF_6 Containers		
Compressed Gas Cylinders	19	7(18)	Water Storage Heaters		
Fluorine Tank			Other *(Note in Remarks)*		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other *(Note in Remarks)*
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other *(Note in Remarks)*	7. Incorrect	14. Not Shielded	

REMARKS:

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09 - Pressure Vessels & Gas Cylinders

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
140	Valves & Utility Shop	01	47	10	12	11	3/22/
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Arc Cutting Unit	—		Oxygen-Arc Cutting Unit	//	
Automatic Arc Welding Unit	—		Paper Cutter		
Bench or Pedestal Grinder	/	1 (18-14)*	Planer (metal)		
Blower	—		Planer (wood)		
Boring Mill	/		Power Press		
Centrifuge	—		Press Brake	/	
Compressor	—		Pulverizer		
Crusher	—		Pump		
Diesels (stationary)	—		Saw (band - metal)	/	
Drill Press	//		Saw (band - wood)		
Fans	/		Saw (circular - metal)		
Forming Rolls			Saw (circular - wood)		
Gear Cutter			Saw (jig)		
Grinding Machine			Saw (power - rip)		
Hobber			Saw (radial)		
Jointer			Saw (swing)		
Lathe (engine)	/		Screw Machine		
Lathe (turret)			Shaper (metal)		
Lathe (woodworking)			Shaper (wood)		
Manual Arc Cutting Unit			Shears		
Manual Arc Welding Unit	//		Slicer		
Mixer			Other (Note in Remarks)		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS: GLASS SHIELDS COVERED WITH PAINT.

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10 - Machinery and Equipment

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

FIXED PROTECTION 2,6 m
(Personnel - Fire)

Page 1 of ____

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Welding Shop	01	23	01	3	2	3/17/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto Sprinkler System			Fire Extinguishers	11	1 *
Emergency Exits			Protective Equip. Supply		
Emergency Station			P. A. System		
Evacuation Alarm			Safety Showers		
Eye Baths			Standpipes		
Fire Alarm Boxes	1		Other (Note in Remarks)		
Fire Doors					

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:
* NOT MOUNTED

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Welding Shop	01	23	02	8	6	3/17/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	~~1~~ 11	(6-17) 1 (6-16)	Radiating Surfaces		
Illumination	1		Traffic Control		
Material Containment	1	1 6-16	Ventilation		
Radiation			Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Areas
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:
NUMEROUS ITEMS FROM RECENT MOVE NOT PERMANENTLY POSITIONED & CONSIDERABLE "FLOOR" STORAGE. CLEAN RAGS NOT IN METAL COVERED CONTAINER.

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REVIEWED WITH (SIGNATURE) T S Roberts

01 - Fixed Protection
02 - Environmental Control

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SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
401	Welding Shop	01	23	03	7	4	3/17/11
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Catw...			Ladder (stationery)		
Exit	/		Platforms		
Floors	///	/ * / (16-14)**	Scaffolds		
Furniture			Stairs		
Ladder (portable)	///	/ (15-1)	Other (Note in Remarks)		

PART UNSATISFACTORY

1. Anchorage
2. Barricades
3. Braces
4. Cage
5. Drainage
6. Entire Unit
7. Extension Lock
8. Fastenings
9. Foundation
10. Handrails
11. Hinges
12. Non Slip Feet
13. Side Rails
14. Spreaders
15. Steps or Rungs
16. Surface
17. Toeboard
18. Tread
19. Trench Cover
20. Uprights
21. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken /
2. Cracked
3. Damaged
4. Defective
5. Inaccessible or Blocked
6. Inadequate
7. Inoperative
8. Loose
9. Missing
10. Not Clearly Visible
11. Not Well Illuminated
12. Not Well Marked
13. Overload
14. Slippery
15. Splintered
16. Split
17. Wobbly
18. Worn
19. Other (Note in Remarks)

REMARKS:

* FLOOR OBSTRUCTION BOLTS, PIT COVER } BOTH ITEMS NOTED LAST AUDIT.
** RAMP

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
401	Welding Shop	01	23	04	5	0	3/17/11
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine	—		Steam (Bldg Ht - Below 15 psig)		
Hydrofluoric Acid	—		Steam (Low Pressure - 15-250 psig)		
Natural Gas	—		Steam (High Pressure - above 250 psig)		
Pyrofax	—		Other (Note in Remarks) PLANT AIR	///	///(4-13) // (7-11)*

PART UNSATISFACTORY

1. Carboys
2. Cleaning Tank
3. Controls
4. Couplings
5. Drums
6. Glassware
7. Hose
8. Grounding
9. Guards or Supports
10. Identification
11. Insulation
12. Pipe
13. Safety Devices
14. Tubing
15. Vents
16. Housing
17. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Corroded
3. Damaged
4. Deteriorated
5. Inadequate
6. Inadequate Pressure Rating
7. Incorrect
8. Indistinct
9. Inoperative
10. Kinked
11. Leaking
12. Missing
13. Not Pinned
14. Not Sealed
15. Not Shielded
16. Plugged
17. Other (Note in Remarks)

REMARKS:

* (LEAKING OR IN NEED OF PERMANENT REPAIR OR REPLACEMENT)

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03 - Work Surfaces
04 - Piping & Containers

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
401	Welding Shop	01	23	05	26	12	3/17/
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM - CONDITION)
Low Voltage Equipment (Below 480 Volts)	1	1 * 10 (1-6)
Corded Equipment	21	~~11~~ (7-5)
Utilization Equipment	111	111 (7-5)
High Voltage Equipment (Above 480 Volts)		
Disconnects		
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
6. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

* BOX COVER OFF

NOTE!

THIS BEING A NEW LOCATION WITH MANY NEW EQPT INSTALLATIONS, ELECTRICAL CIRCUIT IDENTIFICATION REMAINS TO BE ACOMPOLISHED IN MOST INSTANCES.

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
401	Welding Shop	01	23	06	11	9	3-17-/
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	111		Use of Safe Attire	111	
Use of Tools	1		Use of Personnel Protective Devices	111	11 *
Use and Maintenance of Machines & Equipment			Work Habits	1	
Use of Ionizing Radiation Sources	—				

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

1. { GRINDING WITHOUT FACE SHIELD OR GOGGLES
USING PNEUMATIC SCALEING TOOL WITH ONLY SAFETY GLASSES!

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05 - Electrical
06 - Work Practices

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Welding Shop	01	23	07	15	13	3/17/11
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE OF TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered	III	11 (14)
Hand	~~IIII~~	1 (6-7) 1 (7-5)
Hydraulic		
Pneumatic Powered	II	
Powder Actuated	—	

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File ✓	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer ✓	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken ✓	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing ✓	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Welding Shop	01	23	08	13	11	3/17/11
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor			Power Truck		
~~Chain~~ Hoist			Tractor		
Electric Hoist	IIII	1* 1**	Plant Railway		
Winch or Tugger			Skid		
Sling	~~IIII~~		Pallet		
Lifting Fixture			Bicycle		
Dolley	IIII		Bus		
Handtruck			Passenger Car		
Wheelbarrow			Motor Truck		
Fork Truck			Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
0. Crank	24. Handrails	38. Whistle
1. Cr[illegible]ng Signals	25. Hitches	39. Other (Note in Remarks)
2. C[illegible]g Signs	26. Hooks	
3. E[illegible]an Control	27. Horn	
4. Deck	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:
* CORD PARTIALY PULLED FROM FITTING - at Col. 1-21
** BOOM NEEDS TO BE LEVELED NEAR G-20

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REVIEWED WITH (SIGNATURE) [illegible]

07 - Power Tools
08 - Materials Handling

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
140	Welding Shop	01	23	09	15	13	3/17/11
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Acet. Tank	—		Freon Tank		
Air Receivers	—		HF Tank		
Boilers	—		UF_6 Containers		
Compressed Gas Cylinders	11	11 (10 - 11)	Water Storage Heaters		
Fluorine Tank			Other (Note in Remarks)		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other (Note in Remarks)
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other (Note in Remarks)	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE) [signature]

REVIEWED WITH (SIGNATURE) [signature]
09 - Pressure Vessels & Gas Cylinders

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
141	Welding Shop	01	23	10	11	9	3/12/
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Arc Cutting Unit	1		Oxygen-Arc Cutting Unit	11	
Automatic Arc Welding Unit			Paper Cutter		
Bench or Pedestal Grinder	1		Planer (metal)		
Blower			Planer (wood)		
Boring Mill	1		Power Press		
Centrifuge			Press Brake	1	
Compressor			Pulverizer		
Crusher			Pump		
Diesels (stationary)			Saw (band - metal)		
Drill Press	1		Saw (band - wood)		
Fans			Saw (circular - metal)	1	
Forming Rolls			Saw (circular - wood)		
Gear Cutter			Saw (jig)		
Grinding Machine			Saw (power - rip)		
Hobber			Saw (radial)		
Jointer			Saw (swing)		
Lat[illegible]ngine)	1		Screw Machine		
Lat[illegible]urret)			Shaper (metal)		
Lathe (woodworking)			Shaper (wood)		
Manual Arc Cutting Unit			Shears		
Manual Arc Welding Unit	11	11 (*)	Slicer		
Mixer			Other (Note in Remarks)		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

* INSPECTION TAG NOT IN DATE

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REVIEWED WITH (SIGNATURE) [illegible]

10 - Machinery and Equipment

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Modification Area "G" Bay	01	43	01	3	0	3-15-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto. Sprinkler System	—		Fire Extinguishers	11	2(3-10)
Emergency Exits	—		Protective Equip. Supply	—	
Emergency Station	—		P. A. System	—	
Evacuation Alarm	—		Safety Showers	—	
Eye Baths	—		Standpipes	1	1(3-10)
Fire Alarm Boxes	1		Other (Note in Remarks)		
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Modification Area "G" Bay	01	43	02	12	10	3-15-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	~~1111~~	1(6-5)-1(4-8)	Radiating Surfaces	—	
Illumination	111		Traffic Control	1	
Material Containment	11		Ventilation	1	
Radiation	—		Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Areas
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

AUDITED BY (SIGNATURE) T. B. Bomar

REVIEWED WITH (SIGNATURE) G. Z. Dilby

74-57 9-9

01 - Fixed Protection
02 - Environmental Control

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Modification Area "G" Bay	01	43	03	8	8	3-15-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Catwalks	—		Ladder (stationery)	1	
Exit	—		Platforms	—	
Floors	11		Scaffolds	11	
Furniture	11		Stairs		
Ladder (portable)	1		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Modification Area "G" Bay	01	43	04	7	7	3-15-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine	—		Steam (Bldg Ht - Below 15 psig)	11	
Hydrofluoric Acid	—		Steam (Low Pressure - 15-250 psig)	—	
Natural Gas	—		Steam (High Pressure - above 250 psig)	—	
Pyrofax	—		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE) L. B. Bomar

REVIEWED WITH (SIGNATURE) G. Z. Kirkey

03 - Work Surfaces
04 - Piping & Containers

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
401	Modification Area - "G" Bay	01	43	05	15	12	3-15-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

IT NSPECTED	NO.	NO. UNSATISFACTORY (ITEM - CONDITION)
Low V ge Equipment (Below 480 Volts)	—	
Corded Equipment	HH	
Utilization Equipment	HHHH - 2(4-5) - 1*(11-8)	
High Voltage Equipment (Above 480 Volts)	—	
Disconnects	—	
Rotating Equipment	—	
Other (Note In Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
5. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS: * Cal. G-104

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
401	Modification Area "G" Bay	01	43	06	9	9	3-15-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	—		Use of Safe Attire	//	
Use of Tools	///		Use of Personnel Protective Devices	//	
Use and Maintenance of Machines & Equipment	—		Work Habits	//	
Use of Ionizing Radiation Sources	—				

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
22. Entrance Mode (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

AUDITED BY (SIGNATURE) [signature]

REVIEWED WITH (SIGNATURE) G. Z. Hickey

05 - Electrical
06 - Work Practices

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Modification Area "G" Bay	01	43	07	7	7	3-15-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE OF TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered	11	
Hand	HH	
Hydraulic	—	
Pneumatic Powered	—	
Powder Actuated	—	

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Modification Area "G" Bay	01	43	08	9	9	3-15-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor	—		Power Truck	—	
Chain Hoist	—		Tractor	—	
Electric Hoist	—		Plant Railway	—	
Winch or Tugger	—		Skid	—	
Sling	HH		Pallet	—	
Lifting Fixture	11		Bicycle	—	
Dolley	1		Bus	—	
Handtruck	1		Passenger Car	—	
Wheelbarrow	—		Motor Truck	—	
Fork Truck	—		Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Cr[illegible]g Signals	25. Hitches	39. Other (Note in Remarks)
12. C[illegible] Signs	26. Hooks	
13. De[illegible]n Control	27. Horn	
14. Deck	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE) [illegible] Bomar

REVIEWED WITH (SIGNATURE) G. Z. Hickey

07 - Power Tools
08 - Materials Handling

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING (1-5)	LOCATION (6-45)	DIVISION CODE (46-49)	LOCATION CODE (50-51)	CLASS CODE (52-53)	NO. INSPECTED (54-57)	NO. SATISFACTORY (58-61)	DATE (62-67)
1401	Fabrication Hess "G" Bay	01	43	09	10	6	3-15-61

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Acet. Tank	✓		Freon Tank	✓	
Air Receivers	✓		HF Tank	✓	
Boilers	✓		UF_6 Containers	✓	
Compressed Gas Cylinders	~~4~~ 4	* 4 (11-18)	Water Storage Heaters	✓	
Fluorine Tank	✓		Other (Note in Remarks)		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other (Note in Remarks)
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other (Note in Remarks)	7. Incorrect	14. Not Shielded	

REMARKS: * Cylinders belong to welding shop —

AUDITED BY (SIGNATURE): [signature]

REVIEWED WITH (SIGNATURE): [signature]
09 - Pressure Vessels & Gas Cylinders

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Modification Area "C" Bldg	01	43	10	8	3	3-15-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Arc Cutting Unit	—		Oxygen-Arc Cutting Unit	11	
Automatic Arc Welding Unit	—		Paper Cutter	—	
Bench or Pedestal Grinder	—		Planer (metal)	—	
Blower	—		Planer (wood)	—	
Boring Mill	—		Power Press	—	
Centrifuge	—		Press Brake	—	
Compressor	—		Pulverizer	—	
Crusher	—		Pump	—	
Diesels (stationary)	—		Saw (band - metal)	—	
Drill Press	—		Saw (band - wood)	—	
Fans	1		Saw (circular - metal)	—	
Forming Rolls	—		Saw (circular - wood)	—	
Gear Cutter	—		Saw (jig)	—	
Grinding Machine	—		Saw (power - rip)	—	
Hobber	—		Saw (radial)	—	
Jointer	—		Saw (swing)	—	
Lathe (engine)	—		Screw Machine	—	
Lathe (turret)	—		Shaper (metal)	—	
Lathe (woodworking)	—		Shaper (wood)	—	
Manual Arc Cutting Unit	—		Shears	—	
Manual Arc Welding Unit	4m	*5(20-14)	Slicer	—	
Mixer	—		Other (Note in Remarks)		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	~~14. Other (Note in Remarks)~~
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	14. out of date
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

AUDITED BY (SIGNATURE) J B Bonner

REVIEWED WITH (SIGNATURE) B. H. Dickey

10 - Machinery and Equipment

SAFETY AUDIT REPORT 4 hrs.

UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

JW

Page 1 of _____

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01401	Paint Shop	01	81	01	7	6	3-14-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto. Sprinkler System	1		Fire Extinguishers	III	
Emergency Exits	—		Protective Equip. Supply	—	
Emergency Station	—		P. A. System	—	
Evacuation Alarm	—		Safety Showers	—	
Eye Baths	—		Standpipes	—	
Fire Alarm Boxes	—		Other (Note in Remarks)		
Fire Doors	III	1 (17-15)*			

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS: * Fire window line is not seated in pulley

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01401	Paint Shop	01		02	7	6	3-14-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	1		Radiating Surfaces	—	
Illumination	1		Traffic Control	1	
Material Containment	III		Ventilation	—	
Radiation	—		Other (Note in Remarks)*	1	1 (6-8)

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Areas
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:
* Fluorescent tubes standing in S.E. corner of shop.

AUDITED BY (SIGNATURE) H E Marshall

REVIEWED WITH (SIGNATURE) C.R. Abercrombie

01 - Fixed Protection
02 - Environmental Control

40-38 5-5

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01401	Paint Shop	01		03	5	3	3-14-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Catwalks	—		Ladder (stationery)	—	
Exit	11		Platforms	—	
Floors	1		Scaffolds	—	
Furniture	—		Stairs	—	
Ladder (portable)	1		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01401	Paint Shop	01		04	1	1	3-14-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine	—		Steam (Bldg Ht - Below 15 psig)	1	
Hydrofluoric Acid	—		Steam (Low Pressure - 15-250 psig)	—	
Natural Gas	—		Steam (High Pressure - above 250 psig)	—	
Pyrofax	—		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE)	REVIEWED WITH (SIGNATURE)

03 - Work Surfaces
04 - Piping & Containers

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01401	Paint Shop	01		05	6	6	3-14-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

IT ISPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low V ge Equipment (Below 480 Volts)	—	
Corded Equipment	////	
Utilization Equipment	//	
High Voltage Equipment (Above 480 Volts)	—	
Disconnects	—	
Rotating Equipment	—	
Other (Note in Remarks)	—	

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
5. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01401	Paint Shop	01		06	5	5	3-14-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	1		Use of Safe Attire	1	
Use of Tools	1		Use of Personnel Protective Devices	1	
Use and Maintenance of Machines & Equipment	—		Work Habits	1	
Use of Ionizing Radiation Sources	—				

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

AUDITED BY (SIGNATURE)	REVIEWED WITH (SIGNATURE)

05 - Electrical
06 - Work Practices

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
0140 1	Paint Shop	01		07	4	4	3-14-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered	11	
Hand	1	
Hydraulic	—	
Pneumatic Powered	1	
Powder Actuated	—	

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
0140 1	Paint Shop	01		08	2	2	3-14-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor	—		Power Truck	—	
Chain Hoist	1		Tractor	—	
Electric Hoist	—		Plant Railway	—	
Winch or Tugger	—		Skid	—	
Sling	—		Pallet	—	
Lifting Fixture	—		Bicycle	—	
Dolley	1		Bus	—	
Handtruck	—		Passenger Car	—	
Wheelbarrow	—		Motor Truck	—	
Fork Truck	—		Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
0. Crank	24. Handrails	38. Whistle
1. Cr[illegible]ng Signals	25. Hitches	39. Other (Note in Remarks)
2. C[illegible] Signs	26. Hooks	
3. D[illegible]n Control	27. Horn	
4. Deck	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

07 - Power Tools
08 - Materials Handling

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01401	Paint Shop	01		09	6	6	3-14-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Aceto... Tank	—		Freon Tank	—	
Air Receivers	—		HF Tank	—	
Boilers	—		UF_6 Containers	—	
Compressed Gas Cylinders	MHI		Water Storage Heaters	—	
Fluorine Tank	—		Other *(Note in Remarks)*		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other *(Note in Remarks)*
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other *(Note in Remarks)*	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

09 - Pressure Vessels & Gas Cylinders

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01K01	Paint Shop	01		10	4	4	3-14-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Arc Cutting Unit	—		Oxygen-Arc Cutting Unit	—	
Automatic Arc Welding Unit	—		Paper Cutter	—	
Bench or Pedestal Grinder	—		Planer (metal)	—	
Blower	—		Planer (wood)	—	
Boring Mill	—		Power Press	—	
Centrifuge	—		Press Brake	—	
Compressor	—		Pulverizer	—	
Crusher	—		Pump	—	
Diesels (stationary)	—		Saw (band - metal)	—	
Drill Press	—		Saw (band - wood)	—	
Fans	//		Saw (circular - metal)	—	
Forming Rolls	—		Saw (circular - wood)	—	
Gear Cutter	—		Saw (jig)	—	
Grinding Machine	—		Saw (power - rip)	—	
Hobber	—		Saw (radial)	—	
Jointer	—		Saw (swing)	—	
Lath[illegible]gine)	—		Screw Machine	—	
[illegible]att[illegible]ret)	—		Shaper (metal)	—	
Lathe (woodworking)	—		Shaper (wood)	—	
Manual Arc Cutting Unit	—		Shears	—	
Manual Arc Welding Unit	—		Slicer	—	
Mixer	1		Other (Note in Remarks)	1	Stenciling Machine.

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

AUDITED BY (SIGNATURE) H E Marshall

REVIEWED WITH (SIGNATURE) C.R. Abercrombie

10 - Machinery and Equipment

SAFETY AUDIT REPORT 1 3/4 hrs JW

UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

Page 1 of ____

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01401	K-1401 Electrical Maint Shop	01	11	01	0	0	3-13-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Sprinkler System	—		Fire Extinguishers		*
Emergency Exits	—		Protective Equip. Supply	—	
Emergency Station	—		P. A. System	—	
Evacuation Alarm	—		Safety Showers	—	
Eye Baths	—		Standpipes	—	
Fire Alarm Boxes	—		Other (Note in Remarks)	—	
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS: * Should consider installing a fire extinguisher in shop.

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01401	Electrical Maint Shop	01	11	02	7	6	3-13-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	1		Radiating Surfaces	—	
Illumination	1		Traffic Control	1	
Material Containment	III	1 (4-8)	Ventilation	1	
Radiation	—		Other (Note in Remarks)	—	

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Areas
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:
Fluoresent tubes protruding from end of box.

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01 - Fixed Protection
02 - Environmental Control

28-27 4-4

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01401	Electrical Maint Shop	01	11	03	5	5	3-13-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Catwalks	—		Ladder (stationery)	—	
Exit	/		Platforms	—	
Floors	/		Scaffolds	—	
Furniture	/		Stairs	/	
Ladder (portable)	/		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
				04			
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine			Steam (Bldg Ht - Below 15 psig)		
Hydrofluoric Acid			Steam (Low Pressure - 15-250 psig)		
Natural Gas			Steam (High Pressure - above 250 psig)		
Pyrofax			Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE)	REVIEWED WITH (SIGNATURE)

03 - Work Surfaces
04 - Piping & Containers

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01401	Electrical Maint. Shop	01	11	05	6	6	3-13-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)	—	
Corded Equipment	///	
Utilization Equipment	///	
High Voltage Equipment (Above 480 Volts)	—	
Disconnects	—	
Rotating Equipment	—	
Other (Note in Remarks)	—	

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
5. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01401	Electrical Maint. Shop	01	11	06	4	4	3-13-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	—		Use of Safe Attire	1	
Use of Tools	1		Use of Personnel Protective Devices	1	
Use and Maintenance of Machines & Equipment	—		Work Habits	1	
Use of Ionizing Radiation Sources	—				

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

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05 - Electrical
06 - Work Practices

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01401	Electrical Maint. Shop	01	11	07	5	5	3-13-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE OF TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered	—	
Hand	IIII	
Hydraulic	—	
Pneumatic Powered	—	
Powder Actuated	—	

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01401	Electrical Maint Shop	01	11	08	2	2	3-13-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor	—		Power Truck	—	
Chain Hoist	—		Tractor	—	
Electric Hoist	—		Plant Railway	—	
Winch or Tugger	—		Skid	—	
Sling	—		Pallet	—	
Lifting Fixture	—		Bicycle	1	
Dolley	1		Bus	—	
Handtruck	—		Passenger Car	—	
Wheelbarrow	—		Motor Truck	—	
Fork Truck	—		Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
0. Crank	24. Handrails	38. Whistle
1. C g Signals	25. Hitches	39. Other (Note in Remarks)
2. C g Signs	26. Hooks	
3. Dead Man Control	27. Horn	
4. Deck	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

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07 - Power Tools
08 - Materials Handling

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01401	Electrical Maint Shop	01	11	10	3	3	3-13-61
ISM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Arc Cutting Unit	—		Oxygen-Arc Cutting Unit	—	
Automatic Arc Welding Unit	—		Paper Cutter	—	
Bench or Pedestal Grinder	/		Planer (metal)	—	
Blower	—		Planer (wood)	—	
Boring Mill	—		Power Press	—	
Centrifuge	—		Press Brake	—	
Compressor	—		Pulverizer	—	
Crusher	—		Pump	—	
Diesels (stationary)	—		Saw (band - metal)	—	
Drill Press	/		Saw (band - wood)	—	
Fans	/		Saw (circular - metal)	—	
Forming Rolls	—		Saw (circular - wood)	—	
Gear Cutter	—		Saw (jig)	—	
Grinding Machine	—		Saw (power - rip)	—	
Hobber	—		Saw (radial)	—	
Jointer	—		Saw (swing)	—	
Lat' ;ine)	—		Screw Machine	—	
Lathe (turret)	—		Shaper (metal)	—	
Lathe (woodworking)	—		Shaper (wood)	—	
Manual Arc Cutting Unit	—		Shears	—	
Manual Arc Welding Unit	—		Slicer	—	
Mixer	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

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10 - Machinery and Equipment

SAFETY AUDIT REPORT 3/1/61 **FIXED PROTECTION** (Personnel - Fire) JW Page 1 of ____

UBN-2021 (1 9-60)

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1401	Machine Shop	01	21	01	4	4	2-28-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Sprinkler System	—		Fire Extinguishers	//	
Emergency Exits	—		Protective Equip. Supply	—	
Emergency Station	—		P. A. System	—	
Evacuation Alarm	—		Safety Showers	—	
Eye Baths	—		Standpipes	/	
Fire Alarm Boxes	/		Other (Note in Remarks)		
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	MACHINE SHOP	01	21	02	12	9	2-28-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	////	// (6-2) * 1 (21) ***	Radiating Surfaces	—	
Illumination	///		Traffic Control	—	
Material Containment	///	1 (6-1) **	Ventilation	//	
Radiation	—		Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Areas
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:
METAL SHAVINGS IN A PILE ON FLOOR
WIRE & CONDUIT LEFT (ON FLOOR) AFTER REMOVING EQPT
*. OILY RAGS IN UNCOVERED CAN
*** RAKE WITH TINES UP IN PIT.

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01 - Fixed Protection
02 - Environmental Control

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K401	MACHINE SHOP	01	21	03	10	8	2-28-1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Catwalks			Ladder (stationery)	—	
Exit	//		Platforms	//	
Floors	////	1 (19) *	Scaffolds	—	
Furniture	/	1 (11-1) **	Stairs	/	
Ladder (portable)			Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS: * SOME FLOOR OBSTRUCTION REMAIN FOLLOWING RECENT REMOVAL of EQPT. —

** TOOL CABINET.

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	MACHINE SHOP	01	21	04	3	2	2-28-1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine	—		Steam (Bldg Ht - Below 15 psig)	—	
Hydrofluoric Acid	—		Steam (Low Pressure - 15-250 psig)	—	
Natural Gas	—		Steam (High Pressure - above 250 psig)	—	
Pyrofax	—		Other (Note in Remarks) PLANT AIR	///	1 (4-13)

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE) [signature]

REVIEWED WITH (SIGNATURE) O F Clayton

03 - Work Surfaces
04 - Piping & Containers

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	MACHINE SHOP	01	21	05	42	22	2-28-1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

INSPECTED	NO.	NO. UNSATISFACTORY (ITEM - CONDITION)
Low Voltage Equipment (Below 480 Volts)	~~IIII~~ ~~IIII~~ ~~IIII~~ ~~IIII~~	~~IIII~~ ~~IIII~~ (7-6)
Corded Equipment	~~IIII~~ ~~IIII~~	~~IIII~~ ~~IIII~~
Utilization Equipment	~~IIII~~ ~~IIII~~	
High Voltage Equipment (Above 480 Volts)		
Disconnects		
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
6. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Machine Shop	01	21	06	20	16	2-28-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	7		Use of Safe Attire	~~IIII~~	11 (**X
Use of Tools	~~IIII~~		Use of Personnel Protective Devices	~~IIII~~	11 (26) *
Use and Maintenance of Machines & Equipment			Work Habits	1	(11)
Use of Ionizing Radiation Sources					

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS: GRINDING WITH ONLY SAFETY SPECTACLES –
* LONG SLEEVES WORN WHILE OPERATING MACHINES

AUDITED BY (SIGNATURE) [signature]

REVIEWED WITH (SIGNATURE) O F Clayton

05 - Electrical
06 - Work Practices

(1 R/6

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
14.01	Machine Shop	01	21	07	16	14	2-28-7
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE OF TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered	1	1 (6-14)
Hand	~~THH~~	1 (7-8) 1 (9-10)
Hydraulic		
Pneumatic Powered		
Powder Actuated		

UNSATISFACTORY TOOL		
1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other *(Note in Remarks)*
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other *(Note in Remarks)*
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
14.01	Machine Shop	01	21	08	20	19	2-28-7
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor	—	
Chain Hoist		
Electric Hoist	~~THH~~	
Winch or Tugger		
Sling	~~THH~~ ~~THH~~	
Lifting Fixture		
Dolley	1	1 (BED PLANKS INSECURE)
Handtruck	1	
Wheelbarrow		
Truck	11	

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Power Truck	1	
Tractor	—	
Plant Railway	—	
Skid	—	
Pallet	—	
Bicycle	—	
Bus	—	
Passenger Car	—	
Motor Truck	—	
Other *(Note in Remarks)*		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Cr g Signals	25. Hitches	39. Other *(Note in Remarks)*
12. C g Signs	26. Hooks	
13. De an Control	27. Horn	
14. Deck	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other *(Note in Remarks)*
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE) [signature]

REVIEWED WITH (SIGNATURE) O F Clayton

07 - Power Tools
08 - Materials Handling

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Machine Shop	01	21	09	2	2	2/28/11
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Acetone Tank	—		Freon Tank		
Air Receivers	—		HF Tank		
Boilers	—		UF_6 Containers		
Compressed Gas Cylinders	11		Water Storage Heaters		
Fluorine Tank			Other *(Note in Remarks)*		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other *(Note in Remarks)*
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other *(Note in Remarks)*	7. Incorrect	14. Not Shielded	

REMARKS:

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09 - Pressure Vessels & Gas Cylinders

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Machine Shop	01	21	10	21	19	2-28-
IBM	6-45	46-49	50-51	52-53	54-57	58-61	62-67

M. E INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Arc Cutting Unit	—		Oxygen-Arc Cutting Unit	—	
Automatic Arc Welding Unit	—		Paper Cutter	—	
Bench or Pedestal Grinder	///	1 (26-6) 1(*)	Planer (metal)	//	
Blower	—		Planer (wood)	—	
Boring Mill	//		Power Press	—	
Centrifuge	—		Press Brake	—	
Compressor	—		Pulverizer	—	
Crusher	—		Pump	—	
Diesels (stationary)	—		Saw (band - metal)	//	
Drill Press	//	1(13)**	Saw (band - wood)	—	
Fans	—		Saw (circular - metal)	—	
Forming Rolls	—		Saw (circular - wood)	—	
Gear Cutter	—		Saw (jig)	—	
Grinding Machine	///		Saw (power - rip)	—	
Hobber	—		Saw (radial)	—	
Jointer	—		Saw (swing)	—	
Lat gine)	///		Screw Machine	///	
Lathe (turret)	/		Shaper (metal)		
Lathe (woodworking)	—		Shaper (wood)	—	
Manual Arc Cutting Unit	—		Shears	—	
Manual Arc Welding Unit	—		Slicer	—	
Mixer	—		Other (Note in Remarks)		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS: * VIBERATION MAY INDICATE WHEEL UNBALANCE

** ONE of THE TWO V BELT PULLEYS NOT ENCLOSED.

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10 - Machinery and Equipment

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

Records File JW
Page 1 of ____

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1401	Sheet Metal Shops	01	22	01	6	4	2-28-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Automatic Sprinkler System			Fire Extinguishers	3	2 (1-13)
Emergency Exits			Protective Equip. Supply	2	
Emergency Station			P. A. System		
Evacuation Alarm			Safety Showers		
Eye Baths			Standpipes		
Fire Alarm Boxes	1		Other (Note in Remarks)		
Fire Doors					

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1401	Sheet Metal Shop	01	22	02	29	27	2-28-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	6	1 (6-8)	Radiating Surfaces		
Illumination	6		Traffic Control	3	
Material Containment	6	1 (6-8) Lid on Cans	Ventilation	6	
Radiation	2		Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Areas
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Zones Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS: 1. Material arrangement outside office

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) D. Gillespie 258-1180, 35-33

01 - Fixed Protection
02 - Environmental Control

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1401	Sheet Metal Shop	01	22	03	10	10	2-28-61
IBM 1	6 - 45	46 - 49	50 - 51	52 - 53	54 - 57	58 - 61	62 - 67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED		NO. UNSATISFACTORY (PART - REASON)
Catwalks			Ladder (stationery)		
Exit	4		Platforms		
Floors	4		Scaffolds		
Furniture	2		Stairs		
Ladder (portable)			Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1401	Sheet Metal Shop	01	22	04	4	2	2-28-61
IBM 1 - 5	6 - 45	46 - 49	50 - 51	52 - 53	54 - 57	58 - 61	62 - 67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine			Steam (Bldg Ht - Below 15 psig)		
Hydrofluoric Acid			Steam (Low Pressure - 15 - 250 psig)		
Natural Gas			Steam (High Pressure - above 250 psig)		
Pyrofax			Flammable liquids Other (Note in Remarks)	4	2(17-12)

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports	Cans	9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) J. Gillespie

03 - Work Surfaces
04 - Piping & Containers

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1401	Sheet Metal Shop	01	22	05	84	41	2-28-61
IBM 5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Corded Equipment	25	20 (8-5)
Utilization Equipment	16	1 (1-1) 4 (3-7) 2 (11-5)
High Voltage Equipment (Above 480 Volts)		
Disconnects	43	17 (13-5)
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
5. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:
1. Receptacle Broken or [illegible]
2. Inspection of Corded Equip.
3. Boxes for cord connections on lights & tools (South West)

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1401	Sheet Metal Shop	01	22	06	35	33	2-28-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	3		Use of Safe Attire	6	
Use of Tools	6		Use of Personnel Protective Devices	20	2 (28)
Use and Maintenance of Machines & Equipment			Work Habits		
Use of Ionizing Radiation Sources					

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) D. Gillespie

05 - Electrical
06 - Work Practices

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1401	Sheet Metal Shop	01	22	07	74	63	2-28-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TY. OL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered	7	1(17-14) 2(17-16) 2(6-14)
Hand	67	2(7-9) 1(19-4) 1(25-3) 1(5-15) 1(9-3)
Hydraulic		
Pneumatic Powered		
Powder Actuated		

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other *(Note in Remarks)*
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other *(Note in Remarks)*
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS: 1. File - no handle 11
2. Screw driver - dull
3. Wrench Broken
4. chisel mushroomed head
5. Hammer handle bowed -

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1401	Sheet Metal Shop	01	22	08	10	10	
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor			Power Truck		
Chain Hoist			Tractor		
Electric Hoist 3	3		Plant Railway		
Winch or Tugger			Skid		
Sling	2		Pallet		
Lifting Fixture			Bicycle		
Dolley	3		Bus		
Handtruck	1		Passenger Car		
Wheelbarrow			Motor Truck		
Fork Truck	1		Other *(Note in Remarks)*		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Cr	24. Handrails	38. Whistle
11. C ; Signals	25. Hitches	39. Other *(Note in Remarks)*
12. C. g Signs	26. Hooks	
13. Deaa Man Control	27. Horn	
14. Deck	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other *(Note in Remarks)*
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) J. Gilbert

07 - Power Tools
08 - Materials Handling

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1401	Sheet metal Shop	01	22	09	17	17	2-28-61
IBM 5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Acetone Tank			Freon Tank		
Air Receivers	2		HF Tank		
Boilers			UF_6 Containers		
Compressed Gas Cylinders	15		Water Storage Heaters		
Fluorine Tank			Other *(Note in Remarks)*		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other *(Note in Remarks)*
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other *(Note in Remarks)*	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE) W P Ellis

REVIEWED WITH (SIGNATURE) J. Gillespie

09 - Pressure Vessels & Gas Cylinders

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1401	Sheet Metal Shop	01	22	10	24	16	2-28-61
IBM 5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

M E INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Arc Cutting Unit	1		Oxygen-Arc Cutting Unit		
Automatic Arc Welding Unit	1		Paper Cutter		
Bench or Pedestal Grinder			Planer (metal)		
Blower			Planer (wood)		
Boring Mill			Power Press IIII	4	4(6-7) ?
Centrifuge			Press Brake		
Compressor			Pulverizer		
Crusher			Pump		
Diesels (stationary)			Saw (band - metal) II	2	
Drill Press IIII	4	1(28-14)	Sander ~~Saw~~ (band - wood) I	1	
Fans			Saw (circular - metal)		
Forming Rolls			Saw (circular - wood)		
Gear Cutter I			Saw (jig)		
Grinding Machine IIII	6	1(26-5)	Saw (power - rip)		
Hobber			Saw (radial)		
Jointer			Saw (swing)		
La gine)			Screw Machine		
Lathe (turret)			Shaper (metal)		
Lathe (woodworking)			Shaper (wood)		
Manual Arc Cutting Unit			Shears II	2	
Manual Arc Welding Unit II	2	2(20-7)	Slicer		
Mixer			abrasive wheel I ~~Other~~ (Note in Remarks)	1	

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks) not secured
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks) Drill Press	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

1. Grinder Tool rest adjustment
2. Presses - Guards?

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) G. Gillespie

10 - Machinery and Equipment

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Weld Shop	01	23	01	4	3	2-28-1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auton Sprinkler System	—		Fire Extinguishers	III	1 (*)
Emergency Exits	—		Protective Equip. Supply	—	
Emergency Station	—		P. A. System	—	
Evacuation Alarm	—		Safety Showers	—	
Eye Baths	—		Standpipes	—	
Fire Alarm Boxes	1	✓	Other (Note in Remarks)		
Fire Doors					

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS: * OBSTRUCTIONS WOULD MAKE IT SOMEWHAT HARD TO REMOVE FROM HANGER; however, IT IS NOT ACTUALLY BLOCKED.

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Weld Shop			02	10	6	2-28-1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	IIII	10 (4-16) *	Radiating Surfaces	—	
Illumination	II		Traffic Control	—	
Material Containment	1	1 (17) **	Ventilation	II	
Radiation	—		Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Areas
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:
* NUMEROUS ITEMS ON FLOOR (PARTIALLY DUE TO MOVING ACTIVITIES)
** BUMP HAZARD EXTENDING FROM SCRAP STORAGE

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01 - Fixed Protection
02 - Environmental Control

99-12 13-14

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Weld Shop	01	23	03	8	5	
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART-REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART-REASON)
Catwalks			Ladder (stationery)		
Exit			Platforms		
Floors	11 ~~THL~~	1 (19-9)* 1 (19-15)***	Scaffolds		
Furniture			Stairs		
Ladder (portable)			Other (Note in Remarks)	1	1 (19)**

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. ~~Trench~~ Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

*MALE FLOOR DRAIN COVER IN OLD CLEANING AREA.

** SMOOTH STEEL RAMP " " " " CONDUCIVE TO SLIPS IF NOT TREATED WITH NON-SKID.

*** " " PLATE COVER OVER OLD PIT NOT FLUSH WITH FLOOR.

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Welding Shop	01	23	04	2	2	2-28-1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART-CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Fluorine			Steam (Bldg Ht - Below 15 psig)		
Hydrofluoric Acid			Steam (Low Pressure-15-250 psig)		
Natural Gas			Steam (High Pressure - above 250 psig)		
Pyrofax			Other (Note in Remarks) PLANT AIR	1	1 (4-13)

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE) [signature]

REVIEWED WITH (SIGNATURE) T M Deal

03 - Work Surfaces
04 - Piping & Containers

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Welding Shop	01	23	05	21	11	2-28-1
BM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEMS INSPECTED	NO.	NO. UNSATISFACTORY (ITEM - CONDITION)
Low Voltage Equipment (Below 480 Volts)	11	(7-C)
Corded Equipment	~~IIII~~	IIII (7-6)
Utilization Equipment	III	
High Voltage Equipment (Above 480 Volts)		
Disconnects		
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes	9. Insulation
2. Conduit	10. Plugs
3. Connectors	11. Receptacles
4. Breaker	12. Safety Switch
5. Grounds	13. Switch
6. Ground Mats	14. Warning Signs
7. Identification	15. Other (Note in Remarks)
8. Inspection Date and Tag	

UNSATISFACTORY CONDITION

1. Broken	6. Does Not Meet Plant Specifications
2. Cracked	7. Not Provided
3. Damaged	8. Ungrounded
4. Deteriorated	9. Unguarded
5. Identification	

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Welding Shop	01	23	06	13	12	2-28-1
BM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	11	1 *	Use of Safe Attire	~~III~~	
Use of Tools	11		Use of Personnel Protective Devices	1	
Use and Maintenance of Machines & Equipment	1		Work Habits	11	1 **
Use of Ionizing Radiation Sources	—				

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees	11. Machine Left Running Unattended	21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
2. Failed to Use Crane Hand Signals	12. Operating With Safety Device Removed	22. Entrance Made (Under Unsafe Act No. 21)
3. Failed to Use Warning Device	13. Incorrect Safety Device Used	23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
4. Regularly Used Limit Switch to Stop Motion	14. Operating With Safety Device Improperly Adjusted	24. Film Badge Not Worn
5. Materials Stored, Mixed, or Combined to Create a Hazard	15. Respiratory Protection Not Worn	25. Eye Protection Not Worn
6. Flammables Handled in Unapproved Safety Can	16. Improper Respiratory Protection Worn	26. Improper Eye Protection
7. Incorrect Tool Used	17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling	27. Hard Hats Not Worn
8. Unsafe Tool Used	18. Working on Equipment Not Secured Against Unexpected Operation	28. Gloves Not Worn
9. Tool Used Improperly	19. Passenger Permitted to Ride in Unsafe Manner	29. Smoking in Posted Areas
10. Machine Operated at Unsafe Speed	20. Operable Radiation Survey Meter Not at Job Site	30. Eating in Posted Areas

REMARKS: MEN OBSERVED MAKING SIDE PULL LIFTS TO GET METAL FROM & 4 TO WORK TABLE (COLUM H20)

** SCALFING WITH PNEUMATIC TOOL WITH ONLY SAFETY GLASSES

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05 - Electrical
06 - Work Practices

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Welding Shop	01	23	07	20	17	2-28-1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Elec. Powered	1	1 (6-14)
Hand	~~HH~~ ~~HH~~	
Hydraulic		
Pneumatic Powered	11	11 (8-18)
Powder Actuated		

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin.	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Welding Shop	01	23	08	16	16	2-28-1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor	—		Power Truck	—	
Chain Hoist	—		Tractor	—	
Electric Hoist	~~HH~~		Plant Railway	—	
Winch or Tugger	—		Skid	—	
Sling	~~HH~~		Pallet	—	
Lifting Fixture			Bicycle	—	
Dolley	11		Bus	—	
Handtruck	111		Passenger Car	—	
Wheelbarrow			Motor Truck	—	
Fork Truck	1		Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Crossing Signals	25. Hitches	39. Other (Note in Remarks)
12. Crossing Signs	26. Hooks	
13. Lubrication Control	27. Horn	
14. Deck	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE) [signature]

REVIEWED WITH (SIGNATURE) J. M. Deal

07 - Power Tools
08 - Materials Handling

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Welding Shop	01	23	09	8	6	2-28-1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Acetylene Tank			Freon Tank		
Air Receivers			HF Tank		
Boilers			UF_6 Containers		
Compressed Gas Cylinders	14	11	Water Storage Heaters		
Fluorine Tank			Other *(Note in Remarks)*		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other *(Note in Remarks)*
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other *(Note in Remarks)*	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE) [signature]

REVIEWED WITH (SIGNATURE) T M Deal
09 - Pressure Vessels & Gas Cylinders

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
				10	10	6	2/28/1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Arc Cutting Unit	—		Oxygen-Arc Cutting Unit	/	
Automatic Arc Welding Unit	/		Paper Cutter	—	
Bench or Pedestal Grinder	/		Planer (metal)	—	
Blower	—		Planer (wood)	—	
Boring Mill	—		Power Press	/	
Centrifuge	—		Press Brake	—	
Compressor	—		Pulverizer	—	
Crusher	—		Pump	—	
Diesels (stationary)	—		Saw (band - metal)	/	
Drill Press	—		Saw (band - wood)	—	
Fans	/	/ (20)	Saw (circular - metal)	—	
Forming Rolls			Saw (circular - wood)	—	
Gear Cutter			Saw (jig)	—	
Grinding Machine			Saw (power - rip)	—	
Hobber			Saw (radial)	—	
Jointer			Saw (swing)		
Lathe (engine)	/		Screw Machine	—	
Lathe (turret)	—		Shaper (metal)	—	
Lathe (woodworking)	—		Shaper (wood)	—	
Manual Arc Cutting Unit	—		Shears	—	
Manual Arc Welding Unit	///	/// (20)	Slicer	—	
Mixer	—		Other (Note in Remarks)		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

AUDITED BY (SIGNATURE) [signature]

REVIEWED WITH (SIGNATURE) J M Deal

10 - Machinery and Equipment

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1401	Cleaning Area	01	43	01	16	11	2-28-61
BM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auton. Sprinkler System			Fire Extinguishers	4	4 (3 - 13)
Emergency Exits			Protective Equip. Supply		
Emergency Station	1	1 (11 - 13)	P. A. System		
Evacuation Alarm			Safety Showers	4	
Eye Baths	3		Standpipes	1	
Fire Alarm Boxes	3		Other (Note in Remarks)		
Fire Doors					

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1401	Cleaning Area	01	43	02	33	30	2-28-61
BM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	6	1 (6 - 8)	Radiating Surfaces		
Illumination			Traffic Control	6	
Material Containment	12	1 (6 - 8)	Ventilation	6	
Radiation	3	1 (6 - 4)	Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Areas
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS: 1. Hoses + Brooms on platform

306-227 17-16

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) G. F. Hickson

01 - Fixed Protection
02 - Environmental Control

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1401	Cleaning Area	01	43	03	27	24	2-28-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Catw. I	2		Ladder (stationery)		
Exit			Platforms II	2	
Floors	6		Scaffolds		
Furniture	4		Stairs III		
~~IIII~~ Ladder (portable) III	13	3(13-3) Painter	Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1401	Cleaning Area	01	43	04	7	7	2-28-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine			Steam (Bldg Ht - Below 15 psig)		
~~Hydrofluoric~~ HCl H_2SO_4 Acid	2		Steam I (Low Pressure - 15-250 psig)	3	
Natural Gas			Steam (High Pressure - above 250 psig)		
Pyrofax			Air I Other (Note in Remarks)	2	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE)	REVIEWED WITH (SIGNATURE)
W P Ellis	G. Y. Dickey

03 - Work Surfaces
04 - Piping & Containers

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1401	Cleaning Area	01	43	05	119	67	2-28-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Corded Equipment	15	3(8-5)
Utilization Equipment	20	8(1-5)
High Voltage Equipment (Above 480 Volts)		
Disconnects	84	5(13-11) 36(13-5)
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
5. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded
10. Blocked

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1401	Cleaning Area	01	43	06	17	16	2-28-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	3		Use of Safe Attire		
Use of Tools	2		Use of Personnel Protective Devices	10	1(16)
Use and Maintenance of Machines & Equipment	2		Work Habits		
Use of Ionizing Radiation Sources					

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) G. F. Hickey

05 - Electrical
06 - Work Practices

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1401	Cleaning Area	01	43	07	29	26	2-28-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Elec. Powered	2	
~~IIII IIII IIII IIII~~ Hand III	27	2(7-9) 1(19-4)
Hydraulic		
Pneumatic Powered		
Powder Actuated		

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other *(Note in Remarks)*
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other *(Note in Remarks)*
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1401	Cleaning Area	01	43	08	33	30	2-28-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor			Power Truck III	3	
Chain Hoist			Tractor		
Electric Hoist			Plant Railway		
Winch or Tugger			Skid		
Sling II	10		Pallet ~~IIII IIII~~ IIII	15	3(19-1) Stores
Lifting Fixture			Bicycle		
Dolley ~~IIII~~	5		Bus		
Handtruck			Passenger Car		
Wheelbarrow			Motor Truck		
Fork Truck			Other *(Note in Remarks)*		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Crossing Signals	25. Hitches	39. Other *(Note in Remarks)*
12. C[illegible] Signs	26. Hooks	
13. D[illegible]n Control	27. Horn	
14. Dec[illegible]	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other *(Note in Remarks)*
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) G. Y. Hickey

07 - Power Tools
08 - Materials Handling

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1401	Cleaning Area	01	43	09	17	17	2-28-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Acetone Tank			Freon Tank		
Air Receivers			HF Tank		
Boilers			UF_6 Containers		
15 11 Compressed Gas Cylinders	17	1 (11-5) Piping will be installed eliminate hazard of storing O_2 & acetylene together	Water Storage Heaters		
Fluorine Tank			Other (Note in Remarks)		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other (Note in Remarks)
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other (Note in Remarks)	7. Incorrect	14. Not Shielded	

REMARKS:

Separate cyl.

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) G. Z. Hickey

09 - Pressure Vessels & Gas Cylinders

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1401	Cleaning Area	01	43	10	25	15	2-28-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-65

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto .c Arc Cutting Unit			Oxygen-Arc Cutting Unit	8	
Automatic Arc Welding Unit			Paper Cutter		
Bench or Pedestal Grinder			Planer (metal)		
Blower			Planer (wood)		
Boring Mill			Power Press		
Centrifuge			Press Brake		
Compressor			Pulverizer		
Crusher			Pump		
Diesels (stationary)			Saw (band - metal)		
Drill Press			Saw (band - wood)		
Fans			Saw (circular - metal)		
Forming Rolls			Saw (circular - wood)		
Gear Cutter			Saw (jig)		
Grinding Machine	6	3(26-5)	Saw (power - rip)		
Hobber			Saw (radial)		
Jointer			Saw (swing)		
Lathe (engine)			Screw Machine		
La ret)			Shaper (metal)		
Lathe (woodworking)			Shaper (wood)		
Manual Arc Cutting Unit			Shears		
Manual Arc Welding Unit	11	7(20-7)	Slicer		
Mixer			Other (Note in Remarks)		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) G. J. Hickey

10 - Machinery and Equipment

1170 -

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01401	Carpenter Shop	01	81	01	6	6	2-24-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto Sprinkler System	—		Fire Extinguishers	114	
Emergency Exits	—		Protective Equip. Supply	—	
Emergency Station	—		P. A. System	—	
Evacuation Alarm	—		Safety Showers	—	
Eye Baths	—		Standpipes	1	
Fire Alarm Boxes	—		Other (Note in Remarks)	—	
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILD.	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01401	Carpenter Shop	01		02	6	6	2-24-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	11		Radiating Surfaces	—	
Illumination	1		Traffic Control	1	
Material Containment	1		Ventilation	1	
Radiation	—		Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Areas
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding Into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

AUDITED BY (SIGNATURE) H E Mitchell

REVIEWED WITH (SIGNATURE) H C Riggs

01 - Fixed Protection
02 - Environmental Control

SAFETY AUDIT REPORT 3 hrs

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01401	Carpenter Shop	01	81	03	2	2	4-24-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Catwalks	—		Ladder (stationery)	—	
Exit	—		Platforms	—	
Floors	1		Scaffolds	—	
Furniture	1		Stairs	—	
Ladder (portable)	—		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
				04			
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine			Steam (Bldg Ht - Below 15 psig)		
Hydrofluoric Acid			Steam (Low Pressure - 15-250 psig)		
Natural Gas			Steam (High Pressure - above 250 psig)		
Pyrofax			Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

50-46 11-10

AUDITED BY (SIGNATURE) H E Marshall

REVIEWED WITH (SIGNATURE) H C Riggo

03 - Work Surfaces
04 - Piping & Containers

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01401	Carpenter Shop	01	81	05	14	10	2-24-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEMS INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Corded Equipment	IIII/III	2 (8-6)
Utilization Equipment	IIII	2 (4-5)
High Voltage Equipment (Above 480 Volts)	—	
Disconnects	—	
Rotating Equipment	—	
Other (Note in Remarks)	—	

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
6. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01401	Carpenter Shop	01	81	06	11	10	2-24-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	1		Use of Safe Attire	11	
Use of Tools	11		Use of Personnel Protective Devices	III	1(26)
Use and Maintenance of Machines & Equipment	11		Work Habits	1	
Use of Ionizing Radiation Sources	—				

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

AUDITED BY (SIGNATURE) H E Marshall

REVIEWED WITH (SIGNATURE) H C Riggs

05 - Electrical
06 - Work Practices

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

Page 4 of _____

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01401	Carpenter Shop	01	81	07	8	8	2-24-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Elec. Powered	11	
Hand	NIL	
Hydraulic	—	
Pneumatic Powered	1	
Powder Actuated	—	

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01401	Carpenter Shop	01	81	08	2	2	2-24-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor	—		Power Truck	—	
Chain Hoist	—		Tractor	—	
Electric Hoist	—		Plant Railway	—	
Winch or Tugger	—		Skid	—	
Sling	—		Pallet	—	
Lifting Fixture	—		Bicycle	—	
Dolley	11		Bus	—	
Handtruck	—		Passenger Car	—	
Wheelbarrow	—		Motor Truck	—	
Fork Truck	—		Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
0. Crank	24. Handrails	38. Whistle
1. Crossing Signals	25. Hitches	39. Other (Note in Remarks)
2. Cr[illegible] Signs	26. Hooks	
3. D[illegible]n Control	27. Horn	
4. De[illegible]	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE) H C Marshall

REVIEWED WITH (SIGNATURE) H C Riggs

07 - Power Tools
08 - Materials Handling

SAFETY AUDIT REPORT
UCN-2021 (1 9-69)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01401	Carpenter Shop	01	81	10	12	12	2-27-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto. Arc Cutting Unit	—		Oxygen-Arc Cutting Unit	—	
Automatic Arc Welding Unit	—		Paper Cutter	—	
Bench or Pedestal Grinder	/		Planer (metal)	—	
Blower	—		Planer (wood)	/	
Boring Mill	—		Power Press	—	
Centrifuge	—		Press Brake	—	
Compressor	—		Pulverizer	—	
Crusher	—		Pump	—	
Diesels (stationary)	—		Saw (band - metal)	*	
Drill Press	/		Saw (band - wood)	/	
Fans	//		Saw (circular - metal)	—	
Forming Rolls	—		Saw (circular - wood)	/	
Gear Cutter	—		Saw (jig)	/	
Grinding Machine	—		Saw (power - rip)	—	
Hobber	—		Saw (radial)	/	
Jointer	/		Saw (swing)	—	
Lathe (engine)	—		Screw Machine	—	
Lathe (turret)	—		Shaper (metal)	—	
Lathe (woodworking)	/		Shaper (wood)	/	
Manual Arc Cutting Unit	—		Shears	—	
Manual Arc Welding Unit	—		Slicer	—	
Mixer	—		Other *(Note in Remarks)*		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other *(Note in Remarks)*
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other *(Note in Remarks)*	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

AUDITED BY (SIGNATURE) H E Marshall

REVIEWED WITH (SIGNATURE) H C Riggs

10 - Machinery and Equipment

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

FIXED PROTECTION 3 HRS
(Personnel - Fire)

Page 1 of

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	VALVE & UTILITY SHOP	01	47	01	4	3	2/23/4
1BM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Autom. Sprinkler System	—		Fire Extinguishers	4	
Emergency Exits	—		Protective Equip. Supply	—	
Emergency Station	—		P. A. System	—	
Evacuation Alarm	—		Safety Showers	—	
Eye Baths	—		Standpipes	—	
Fire Alarm Boxes	1		Other (Note in Remarks)	1	1 *
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS: EXTINGUISHER NOT PROVIDED AT ALL LOCATIONS WHERE COLUMNS ARE IDENTIFIED AS EXTINGUISHER LOCATIONS.

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	VALVE & UTILITY SHOP	01	47	02	8	6	2/23/4
1BM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	1	1 *	Radiating Surfaces	1	
Illumination	1		Traffic Control	1	
Material Containment	1	1 (6-16) **	Ventilation	1	
Radiation			Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Areas
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS: * SULFURIC ACID IN GLASS STORED WITH OTHER ITEMS CONDUCIVE TO BREAKAGE.
** COMMON PRACTICE OF USING SPACE UNDER WORK BENCHES FOR STORAGE OF METAL STOCK MAY INDICATE NEED FOR ADDITIONAL STORAGE RACKS.

EDITED BY (SIGNATURE) B. H. Shum

REVIEWED WITH (SIGNATURE) J. L. Bjerre

1 - Fixed Protection
2 - Environmental Control

105-76 10-7

SAFETY AUDIT REPORT

-UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	VALVE & UTILITY SHOP	1	47	03	6	2	2-23-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Catw.	—		Ladder (stationery)	—	
Exit	1		Platforms	—	
Floors	11	1 (*) 1 (**)	Scaffolds	—	
Furniture	1		Stairs	—	
Ladder (portable)	1	1 (12-9)	Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

* CANVAS & VICE ON FLOOR TO COVER PROTRUSIONS AT FORMER DRILL LOCATION IS ABOUT AS MUCH OF A TRIP HAZARD AS THE PROTRUSIONS. SUGGEST BARICADE OR REMOVAL OF THE FLOOR OBSTRUCTIONS.

** BOLT STICKING UP FROM FLOOR NEAR COL. [redacted] F 12

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	VALVE & UTILITY SHOP	1	47	04	2	1	2-23-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine			Steam (Bldg Ht - Below 15 psig)		
Hydrofluoric Acid			Steam (Low Pressure - 15-250 psig)		
Natural Gas			Steam (High Pressure - above 250 psig)		/
Pyrofax			Other (Note in Remarks) PLANT AIR	11	1 (4-13)

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE) [illegible]

REVIEWED WITH (SIGNATURE) J. L. Rogers

03 - Work Surfaces
04 - Piping & Containers

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Valve and Utility Shop	1	47	05	25	13	2-23-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)	~~IIII~~	11 (7-6)
Corded Equipment	~~IIII~~ ~~IIII~~	~~IIII~~ ~~IIII~~ (7-6)
Utilization Equipment	~~IIII~~	
High Voltage Equipment (Above 480 Volts)		
Disconnects		
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
6. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Valve and Utility Shop	1	47	06	10	7	2-23-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	1	
Use of Tools	1	
Use and Maintenance of Machines & Equipment	—	
Use of Ionizing Radiation Sources	—	

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Use of Safe Attire	11	
Use of Personnel Protective Devices	~~IIII~~ 1	1 (26) 11 (25)
Work Habits		

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

AUDITED BY (SIGNATURE) [signature]

REVIEWED WITH (SIGNATURE) [signature]

05 - Electrical
06 - Work Practices

SAFETY AUDIT REPORT

(UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Valve and Utility Shop	1	47	07	17	9	2-23-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE OF TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered	𝍸	𝍸 (14)
Hand	𝍸	𝍸 (9) *
Hydraulic	—	
Pneumatic Powered	—	
Powder Actuated	—	

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

* FILES

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Valve and Utility Shop	1	47	08	14	14	2-23-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor	—		Power Truck	1	
Chain Hoist	—		Tractor	—	
Electric Hoist	𝍸		Plant Railway	—	
Winch or Tugger	—		Skid	—	
Sling	𝍸		Pallet	1	
Lifting Fixture	1		Bicycle	—	
Dolley	11		Bus	—	
Handtruck	—		Passenger Car	—	
Wheelbarrow	—		Motor Truck		
Fork Truck	—		Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Crossing Signals	25. Hitches	39. Other (Note in Remarks)
12. Crossing Signs	26. Hooks	
13. Dump Control	27. Horn	
14. Deck	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE) [signature]

REVIEWED WITH (SIGNATURE) [signature]

07 - Power Tools
08 - Materials Handling

4010 -

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K 1401	Valve and Utility Shop	1	47	09	12	12	2-23-1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Acetylene Tank			Freon Tank		
Air Receivers			HF Tank		
Boilers			UF_6 Containers		
Compressed Gas Cylinders	12		Water Storage Heaters		
Fluorine Tank			Other *(Note in Remarks)*		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other *(Note in Remarks)*
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other *(Note in Remarks)*	7. Incorrect	14. Not Shielded	

REMARKS:

IGNORE X MADE IN ERROR

AUDITED BY (SIGNATURE) [signature]

REVIEWED WITH (SIGNATURE) [signature]

09 - Pressure Vessels & Gas Cylinders

SAFETY AUDIT REPORT

UCN-2021 (1 .9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	VALVE & UTILITY SHOP	1	47	10	17	15	2-23-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto. .c Arc Cutting Unit	—		Oxygen-Arc Cutting Unit	—	
Automatic Arc Welding Unit	—		Paper Cutter	—	
Bench or Pedestal Grinder	III	1 (18-10) *	Planer (metal)	—	
Blower	—		Planer (wood)	—	
Boring Mill	—		Power Press	1	
Centrifuge	—		Press Brake		
Compressor	—		Pulverizer		
Crusher	—		Pump		
Diesels (stationary)			Saw (band - metal)	1	*
Drill Press	1	1 (13-7)	Saw (band - wood)	—	
Fans	III		Saw (circular - metal)	—	
Forming Rolls	—		Saw (circular - wood)	—	
Gear Cutter	—		Saw (jig)	—	
Grinding Machine	—		Saw (power - rip)	—	
Hobber	—		Saw (radial)	1	
Jointer	—		Saw (swing)	—	
Lathe (engine)	II		Screw Machine	—	
Lathe (turret)	—		Shaper (metal)		
Lathe (woodworking)	—		Shaper (wood)	—	
Manual Arc Cutting Unit	III		Shears	—	
Manual Arc Welding Unit	II		Slicer		
Mixer			Other (Note in Remarks)		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

NEAR MACHINE LATHES

V BELT PULLEY EXPOSED NEAR COLUM F 15

NEW GUARD APPEARS ADEQUATE

AUDITED BY (SIGNATURE) [signature]

REVIEWED WITH (SIGNATURE) [signature]

10 - Machinery and Equipment

SAFETY AUDIT REPORT 3 hrs — **FIXED PROTECTION** (Personnel - Fire) — JW

UCN-2021 (1 9-60) — Page 1 of ____

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	AXIAL FLOW COMPRESSOR SHOP	01	45	01	5	3	2-24-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto. Sprinkler System	—		Fire Extinguishers	11	1 (3-10)
Emergency Exits	1	1 (*)	Protective Equip. Supply	—	
Emergency Station	—		P. A. System	—	
Evacuation Alarm	—		Safety Showers	—	
Eye Baths	—		Standpipes	1	
Fire Alarm Boxes	1		Other (Note in Remarks)		
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS: DOOR AT MENS REST ROOM IS MARKED "EXIT" SINCE IT IS NOT USABLE AS SUCH, SUGGEST IDENTIFICATION BE REMOVED.

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	AXIAL FLOW COMPRESSOR	01	45	02	7	6	2-24-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	1/4	1 (17)	Radiating Surfaces	—	
Illumination	1		Traffic Control	—	
Material Containment	1		Ventilation	1	
Radiation	—		Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Areas
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

AUDITED BY (SIGNATURE) [signature] — REVIEWED WITH (SIGNATURE) J J Kivens

01 - Fixed Protection
02 - Environmental Control

72-47 — 7-1

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	AXIAL FLOW COMPRESSOR SHOP	01	45	03	10	9	2-24-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED		NO. UNSATISFACTORY (PART - REASON)
Catwalks	111	1 (2-9)	Ladder (stationery)	1	
Exit	1		Platforms	1	
Floors	1		Scaffolds	—	
Furniture	1		Stairs	1	
Ladder (portable)	1		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing —	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

CHAIN

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	AXIAL FLOW COMPRESSOR SHOP	01	45	04	1	0	2-24-4
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine			Steam (Bldg Ht - Below 15 psig)		
Hydrofluoric Acid			Steam (Low Pressure - 15-250 psig)		
Natural Gas			Steam (High Pressure - above 250 psig)		
Pyrofax			Other (Note in Remarks) PLANT AIR	1	1 (4-13)

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE) J J Kiernan

03 - Work Surfaces
04 - Piping & Containers

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING (IBM 1-5)	LOCATION (6-45)	DIVISION CODE (46-49)	LOCATION CODE (50-51)	CLASS CODE (52-53)	NO. INSPECTED (54-57)	NO. SATISFACTORY (58-61)	DATE (62-67)
K1401	AXIAL FLOW COMPRESSOR SHOP	01	45	05	18	10	2-24

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)	~~III~~ ~~III~~	III (7-6)
Corded Equipment	~~II~~	~~III~~ (5-6) 1 (11-3) **
Utilization Equipment	II	1 (15) *
High Voltage Equipment (Above 480 Volts)		
Disconnects		
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
6. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

* CONTROL FITING ON TURN-OVER FIXTURE @ EAST PIT

** L10 OFF ~~[illegible]~~ RECEPTICAL BOX, Cl. D-10 1/2

WORK PRACTICES

BUILDING (IBM 1-5)	LOCATION (6-45)	DIVISION CODE (46-49)	LOCATION CODE (50-51)	CLASS CODE (52-53)	NO. INSPECTED (54-57)	NO. SATISFACTORY (58-61)	DATE (62-67)
1401	Axial Flow Compressor Shop	01	45	06	7	1	2-24

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	1	1 (4)	Use of Safe Attire	II	
Use of Tools	II		Use of Personnel Protective Devices	II	
Use and Maintenance of Machines & Equipment	—		Work Habits		
Use of Ionizing Radiation Sources	—				

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. ~~Regularly~~ Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

AUDITED BY (SIGNATURE) B. Shinn

REVIEWED WITH (SIGNATURE) J J Kriens

05 - Electrical
06 - Work Practices

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING (IBM 1-5)	LOCATION (6-45)	DIVISION CODE (46-49)	LOCATION CODE (50-51)	CLASS CODE (52-53)	NO. INSPECTED (54-57)	NO. SATISFACTORY (58-61)	DATE (62-67)
140/	Akiac Flow Compressor Shop	01	45	07	13	4	2-24-1

TYPE OF TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered	11	111 (14)
Hand	~~1111~~	1 (10)
Hydraulic	—	
Pneumatic Powered	—	
Powder Actuated	—	

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough —	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING (IBM 1-5)	LOCATION (6-45)	DIVISION CODE (46-49)	LOCATION CODE (50-51)	CLASS CODE (52-53)	NO. INSPECTED (54-57)	NO. SATISFACTORY (58-61)	DATE (62-67)
140/	Akiac Flow Compressor Shop	01	45	08	10	9	2-24-1

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor	—		Power Truck	—	
Chain Hoist	1		Tractor	—	
Electric Hoist	11		Plant Railway	—	
Winch or Tugger	—		Skid	—	
Sling	1111		Pallet	—	
Lifting Fixture			Bicycle	—	
Dolley	11		Bus	—	
Handtruck	1	1 (19-17)*	Passenger Car	—	
Wheelbarrow			Motor Truck	—	
Fork Truck			Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Crossing Signals	25. Hitches	39. Other (Note in Remarks)
12. C[illegible] Signs	26. Hooks	
13. D[illegible]n Control	27. Horn	
14. Deck	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS: * BRACE LOOSE AT ONE END

AUDITED BY (SIGNATURE) [illegible]

REVIEWED WITH (SIGNATURE) J J Kriens

07 - Power Tools
08 - Materials Handling

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING (1-5)	LOCATION (6-45)	DIVISION CODE (46-49)	LOCATION CODE (50-51)	CLASS CODE (52-53)	NO. INSPECTED (54-57)	NO. SATISFACTORY (58-61)	DATE (62-67)
1401	Axial Flow Comp. Shop	01	45	09	4	3	2-24

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Acetylene Tank			Freon Tank		
Air Receivers			HF Tank		
Boilers			UF_6 Containers		
Compressed Gas Cylinders	IIII	1 (18)	Water Storage Heaters		
Fluorine Tank			Other *(Note in Remarks)*		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other *(Note in Remarks)*
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other *(Note in Remarks)*	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE) B J Thomas

REVIEWED WITH (SIGNATURE) J J Griens

09 - Pressure Vessels & Gas Cylinders

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
140	Special Floor Conveyor Shop	07	545	10	4	3	2-24-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Arc Cutting Unit	—		Oxygen-Arc Cutting Unit	—	
Automatic Arc Welding Unit	—		Paper Cutter	—	
Bench or Pedestal Grinder	/		Planer (metal)	—	
Blower	—		Planer (wood)	—	
Boring Mill	—		Power Press	—	
Centrifuge	—		Press Brake	—	
Compressor	—		Pulverizer	—	
Crusher	—		Pump		
Diesels (stationary)	—		Saw (band - metal)	—	
Drill Press	—		Saw (band - wood)	—	
Fans	/		Saw (circular - metal)	—	
Forming Rolls	—		Saw (circular - wood)	—	
Gear Cutter	—		Saw (jig)	—	
Grinding Machine	—		Saw (power - rip)		
Hobber	—		Saw (radial)	—	
Jointer	—		Saw (swing)	—	
Lat[illegible]ngine)	—		Screw Machine	—	
Lat[illegible]urret)	—		Shaper (metal)		
Lathe (woodworking)	—		Shaper (wood)	—	
Manual Arc Cutting Unit	—		Shears	—	
M[illegible] Welding Unit	/		[illegible]		
Mixer			Other (Note in Remarks) TURN-OVER FIXTURE X EAST PIT	/	

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

LARGE HOLE IN GUARD

AUDITED BY (SIGNATURE) [illegible]

REVIEWED WITH (SIGNATURE) J J Kriens

— 4 a.m. —

10 - Machinery and Equipment

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

FIXED PROTECTION (Personnel - Fire) 2 1/2 HRS

Page 1 of JW

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	VACUUM PUMP SHOP	01	48	01	5	5	2-23-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auton. Sprinkler System	—		Fire Extinguishers	//	
Emergency Exits	/		Protective Equip. Supply	—	
Emergency Station	✓		P. A. System	—	
Evacuation Alarm	—		Safety Showers	—	
Eye Baths	—		Standpipes	—	
Fire Alarm Boxes	//		Other (Note in Remarks)	—	
Fire Doors	—				

PART UNSATISFACTORY

1. Container
2. Door
3. Entire Unit
4. Fusible Link
5. Hardware
6. Hose
7. Identification Light
8. Nozzle
9. Operating Instructions
10. Piping
11. Respiratory Equipment
12. Rack
13. Rollers
14. Track
15. Sprinkler Head
16. Stop Valve
17. Other

UNSATISFACTORY CONDITION

1. Contents Not Labelled
2. Damaged
3. Deteriorated
4. Dirty
5. Improperly Stored
6. Inaccessible or Blocked
7. Inadequate
8. Inoperative
9. Leaking
10. Location Not Indicated
11. Missing
12. Operating Instructions Not Posted
13. Out of Test Date
14. Unsealed
15. Other (Note in Remarks)

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	VACUUM PUMP SHOP	1	48	02	8	5	2-23-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	//	1 (6-16) **	Radiating Surfaces "THERMAL"	/	1 (6-9) ***
Illumination	//		Traffic Control	—	
Material Containment	///	1 (*)	Ventilation	—	
Radiation	—		Other (Note in Remarks)		

TYPE OF LOCATION

. Grounds
. Lunch Room
. Office
. Storage Area
. Washroom
. Work Area

UNSATISFACTORY CONDITION

1. Accumulation of Combustibles
2. Accumulation of Scrap
3. Excessive Dust
4. Excessive Glare
5. Fire Lanes Blocked
6. Inadequate Barricades
7. Inadequate Insulation
8. Inadequate Material Storage
9. Inadequate Shielding
10. Inadequate Traffic Markers
11. Inadequate or Improper Ventilation Equipment
12. Inadequate Warning Signs
13. Incorrect Lighting Fixtures
14. Inoperative Equipment
15. Insufficient Illumination
16. Materials Not Stored in Designated Areas
17. Material Protruding into Aisles
18. Pedestrian Lanes Not Indicated
19. Special Hazards Not Marked or Illuminated
20. Ventilation Equipment Not Being Used
21. Other (Note in Remarks)

REMARKS: * LID OFF CONTAINER FOR CLEAN RAGS.
** SLINGS ON FLOOR, ITEMS ON TOP of METAL CABINETS
*** ~~Hot~~ PIPES NEAR WEST WALL

EDITED BY (SIGNATURE) D. F. Shum

REVIEWED WITH (SIGNATURE) R. L. Reinart

- Fixed Protection
- Environmental Control

96-81 6-5

SAFETY AUDIT REPORT

MCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Vacuum Pump Shop	1	48	03	9	9	2-23-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Catwalks	—		Ladder (stationery)	—	
Exit	11		Platforms	—	
Floors	11		Scaffolds	—	
Furniture	11		Stairs	—	
Ladder (portable)	111		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	VACUUM PUMP SHOP	1	48	04	1	1	2-23-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine			Steam (Bldg Ht - Below 15 psig)		
Hydrofluoric Acid			Steam (Low Pressure - 15-250 psig)		
Natural Gas			Steam (High Pressure - above 250 psig)		
Pyrofax			Other (Note in Remarks) PLANT AIR	1	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE) [signature]

REVIEWED WITH (SIGNATURE) ORIGINAL SIGNED BY R. L. Linnert

03 - Work Surfaces
04 - Piping & Containers

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	VACUUM PUMP SHOP	1	48	05	18	15	2-23-1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)	11	11 (5-6)
Corded Equipment	11	1 (5-6)
Utilization Equipment	11	
High Voltage Equipment (Above 480 Volts)		
Disconnects		
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
6. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Vacuum Shop	1	48	06	6	5	2-23-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	1	
Use of Tools	1	
Use and Maintenance of Machines & Equipment		
Use of Ionizing Radiation Sources		

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Use of Safe Attire	11	
Use of Personnel Protective Devices	11	1 (25)
Work Habits		

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
0. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

AUDITED BY (SIGNATURE) [signature]

REVIEWED WITH (SIGNATURE) R L Leinart

05 - Electrical
06 - Work Practices

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

Page 4 of ____

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Vacuum Pump Shop	1	48	07	19	14	2-23-64
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE OF TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered	III	III (14)
Hand	~~IIII~~	II (9) * 1 (10)
Hydraulic		
Pneumatic Powered		
Powder Actuated		

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

* FILES WITHOUT HANDLES.

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Vacuum Pump Shop	1	48	08	17	14	2-23-64
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor	—		Power Truck		
Chain Hoist			Tractor		
Electric Hoist	III		Plant Railway		
Winch or Tugger			Skid		
Sling	~~IIII~~ II		Pallet	II	1 (39-14) **
Lifting Fixture			Bicycle		
Dolley	II		Bus		
Handtruck	II	1 (39-5) *	Passenger Car		
Wheelborrow			Motor Truck		
Fork Truck			Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
0. Crank	24. Handrails	38. Whistle
1. Cr g Signals	25. Hitches	39. Other (Note in Remarks)
2. C g Signs	26. Hooks	
3. De an Control	27. Horn	
4. Deck	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

* BRACE NEEDS TO BE RE-RIVITED.

** PLANK MISSING.

AUDITED BY (SIGNATURE) [signature]

REVIEWED WITH (SIGNATURE) R L Leonard

07 - Power Tools
08 - Materials Handling

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Vacuum Pump Shop	1	48	09	10	10	2-23-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Acetone Tank			Freon Tank		
Air Receivers			HF Tank		
Boilers			UF_6 Containers		
Compressed Gas Cylinders	HH		Water Storage Heaters		
Fluorine Tank			Other *(Note in Remarks)*		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other *(Note in Remarks)*
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other *(Note in Remarks)*	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE) B H Shum

REVIEWED WITH (SIGNATURE) R L Lemart

09 - Pressure Vessels & Gas Cylinders

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
401	Vacuum Pump Shop	1	48	10	9	8	2-23-1
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Arc Cutting Unit	—		Oxygen-Arc Cutting Unit		
Automatic Arc Welding Unit	—		Paper Cutter	—	
Bench or Pedestal Grinder	11		Planer (metal)	—	
Blower	—		Planer (wood)	—	
Boring Mill	—		Power Press	—	
Centrifuge	—		Press Brake	—	
Compressor	—		Pulverizer	—	
Crusher	—		Pump	1	
Diesels (stationary)	—		Saw (band - metal)	—	
Drill Press	11		Saw (band - wood)	—	
Fans	1		Saw (circular - metal)	—	
Forming Rolls	—		Saw (circular - wood)	—	
Gear Cutter	—		Saw (jig)	—	
Grinding Machine	—		Saw (power - rip)	—	
Hobber	—		Saw (radial)	—	
Jointer	—		Saw (swing)	—	
Lat' ngine)	1		Screw Machine	—	
Latr.. ..urret)	—		Shaper (metal)	—	
Lathe (woodworking)	—		Shaper (wood)	—	
Manual Arc Cutting Unit	1	1 (20)	Shears		
Manual Arc Welding Unit	1		Slicer	—	
Mixer	—		Other (Note in Remarks)		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

AUDITED BY (SIGNATURE) D. H. Ohm

REVIEWED WITH (SIGNATURE) R. L. Leinart

10 - Machinery and Equipment

SAFETY AUDIT REPORT 4.5 hrs

UCN-2021 (1 9-60)

FIXED PROTECTION (Personnel - Fire) JW

Page 1 of JW

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01401	Electrical Motor Repair Shop	01	11	01	7	4	2-14-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Sprinkler System	—		Fire Extinguishers	IIII	III (3-6)
Emergency Exits	—		Protective Equip. Supply	—	
Emergency Station	—		P. A. System	—	
Evacuation Alarm	—		Safety Showers	—	
Eye Baths	—		Standpipes	—	
Fire Alarm Boxes	—		Other (Note in Remarks)	—	
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked ✓	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

✓

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01401	Electrical Motor Repair Shop	01		02	10	6	2-14-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	II	I(4-1) I(6-1) ✓	Radiating Surfaces	—	
Illumination	III		Traffic Control	I	
Material Containment	III	I(6-8) I(4-2)	Ventilation	I	
Radiation	—		Other (Note in Remarks)	—	

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Areas
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

Housekeeping remains poor. Accumulations include dirty gloves, rags, paper and various scrap items. Found mostly in tool cabinets and storage cabinets in the general work area and the spray booth.

AUDITED BY (SIGNATURE) H E Marshall

REVIEWED WITH (SIGNATURE) C H Sundenburg 71-44 7-6

1 - Fixed Protection
2 - Environmental Control

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01401	Electric Motor Repair Shop	01		03	9	6	
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Catwalks	—		Ladder (stationery)	—	
Exit	11		Platforms	—	
Floors	11	1 (16-19)	Scaffolds	—	
Furniture	111	1 (6-4)	Stairs	—	
Ladder (portable)	11	1 (18-1)	Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken ✓	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective ✓	15. Splintered
5. Drainage	16. Surface ✓	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread ✓	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

Floor Area in and around spray booth is becoming rough and uneven due to a build up of varnish.

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
				04			
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine			Steam (Bldg Ht - Below 15 psig)		
Hydrofluoric Acid			Steam (Low Pressure - 15-250 psig)		
Natural Gas			Steam (High Pressure - above 250 psig)		
Pyrofax			Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE) H E Marshall

REVIEWED WITH (SIGNATURE) C. A. [illegible]

03 - Work Surfaces
04 - Piping & Containe

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
0140	Electric Motor Repair Shop	01		05	11	2.	2-14-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Corded Equipment	IIII	6 (8-6)
Utilization Equipment	IIII	2 (4-5) 1 (1-10)*
High Voltage Equipment (Above 480 Volts)	—	
Disconnects	—	
Rotating Equipment	—	
Other (Note in Remarks)	—	

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
6. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded
10. Other

REMARKS:

* Boxes without covers.

A homemade drop light used paper for a reflector and and was without a bulb guard.

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
0140	Electric Motor Repair Shop.	01		06	7	6	2-14-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	11		Use of Safe Attire	11	
Use of Tools	1		Use of Personnel Protective Devices	11	1 (25)
Use and Maintenance of Machines & Equipment	—		Work Habits		
Use of Ionizing Radiation Sources	—				

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

A is posted as a mandatory eye protection area yet some work without protection.

Numerous air hose connections without safety pins.

AUDITED BY (SIGNATURE) H C Marshall

REVIEWED WITH (SIGNATURE) C. H. Lindsline

05 - Electrical
06 - Work Practices

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
0140	Electric Motor Repair Shop	01		07	10	10	
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE OF TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND-CONDITION)
Electric Powered	//	
Hand	////	
Hydraulic	//	
Pneumatic Powered	//	
Powder Actuated	—	

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
0140.1	Electric Motor Repair Shop	01		08	8	6	
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Conveyor	—		Power Truck	—	
Chain Hoist	/		Tractor	—	
Electric Hoist	/		Plant Railway	—	
Winch or Tugger	—		Skid	—	
Sling	////	2 (5-9)	Pallet	—	
Lifting Fixture	/		Bicycle	—	
Dolley	/		Bus	—	
Handtruck	—		Passenger Car	—	
Wheelbarrow	—		Motor Truck	—	
Fork Truck	—		Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
0. Crank	24. Handrails	38. Whistle
1. Cr[illegible] Signals	25. Hitches	39. Other (Note in Remarks)
2. C[illegible] Signs	26. Hooks	
3. D[illegible]an Control	27. Horn	
4. Deck	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE) H E Marshall

REVIEWED WITH (SIGNATURE) C. A. Lundeen

07 - Power Tools
08 - Materials Handling

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01401	Electric Motor Repair Shop	01		09	7	6	
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Acetone Tank	—		Freon Tank	—	
Air Receivers	—		HF Tank	—	
Boilers	—		UF_6 Containers	—	
Compressed Gas Cylinders	7	1 (11-18)	Water Storage Heaters	—	
Fluorine Tank	—		Other (Note in Remarks)		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other (Note in Remarks)
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other (Note in Remarks)	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE) H E Marshall

REVIEWED WITH (SIGNATURE) C H Sandenburg

09 - Pressure Vessels & Gas Cylinders

SAFETY AUDIT REPORT

JCN-2021 (1 -9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01401	Electric Motor Repair Shop	01	01	10	9	4	
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Arc Cutting Unit	—		Oxygen-Arc Cutting Unit	11	1(19-3)
Automatic Arc Welding Unit	—		Paper Cutter	—	
Bench or Pedestal Grinder	11	1(18-10) 1(26-5)	Planer (metal)	—	
Blower	—		Planer (wood)	—	
Boring Mill	—		Power Press	—	
Centrifuge	—		Press Brake	—	
Compressor	—		Pulverizer	—	
Crusher	—		Pump	—	
Diesels (stationary)	—		Saw (band - metal)	—	
Drill Press	1		Saw (band - wood)	—	
Fans	1111	2(18-7)	Saw (circular - metal)	—	
Forming Rolls	—		Saw (circular - wood)	—	
Gear Cutter	—		Saw (jig)	—	
Grinding Machine	—		Saw (power - rip)	—	
Hobber	—		Saw (radial)	—	
Jointer	—		Saw (swing)	—	
Lat[illegible]gine)	1		Screw Machine	—	
Lathe (turret)	—		Shaper (metal)	—	
Lathe (woodworking)	—		Shaper (wood)	—	
Manual Arc Cutting Unit	—		Shears	—	
Manual Arc Welding Unit	—		Slicer	—	
Mixer	—		Other (Note in Remarks)		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

AUDITED BY (SIGNATURE) H E Marshall

REVIEWED WITH (SIGNATURE) C. H. Sandersen

10 - Machinery and Equipment

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

JW

FIXED PROTECTION
(Personnel - Fire)

5 hrs

Page 1 of _____

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1401	Sheet Metal Shop	01	22	01	6	5	1-31-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Sprinkler System			Fire Extinguishers	3	
Emergency Exits			Protective Equip. Supply	1	
Emergency Station			P. A. System		
Evacuation Alarm			Safety Showers		
Eye Baths			Standpipes		
Fire Alarm Boxes	2	1(3-10)	Other (Note in Remarks)		
Fire Doors					

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1401	Sheet metal Shop	01	22	02	28	2	1-31-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	10	1(6-16) 3(6-21)	Radiating Surfaces		
Illumination	5		Traffic Control	5	
Material Containment			Ventilation	5	
Radiation	3	1(6-9)	Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Areas
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS: Identify Safety cans

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) C. Gillespie

01 - Fixed Protection
02 - Environmental Control

187-155 22-16

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1401	Sheet Metal Shop	01	22	03	14	14	1-31-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED		NO. UNSATISFACTORY (PART - REASON)
Catwalks			Ladder (stationery)		
Exit	4		Platforms		
Floors	5		Scaffolds		
Furniture	5		Stairs		
Ladder (portable)			Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1401	Sheet Metal Shop	01	22	04	2	2	1-31-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine			Steam (Bldg Ht - Below 15 psig)		
Hydrofluoric Acid			Steam (Low Pressure - 15 - 250 psig)		
Natural Gas			Steam (High Pressure - above 250 psig)		
Pyrofax			Air & Water Other (Note in Remarks)	2	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) S. Gillespie

03 - Work Surfaces
04 - Piping & Containers

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1401	Sheet metal Shop	01	22	05	52	37	1-31-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)	10	
Corded Equipment	6	3(9-5)
Utilization Equipment	10	
High Voltage Equipment (Above 480 Volts)		
Disconnects	26	12(13-5)
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
5. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1401	Sheet metal Shop	01	22	06	22	16	1-31-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	3	
Use of Tools	2	
Use and Maintenance of Machines & Equipment		
Use of Ionizing Radiation Sources	1	

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Use of Safe Attire	16	4(28) 2(26)
Use of Personnel Protective Devices		
Work Habits		

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

AUDITED BY (SIGNATURE) W. R. Ellis

REVIEWED WITH (SIGNATURE) H. Gillespie

05 - Electrical
06 - Work Practices

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1401	Sheet metal Shops	01	22	07	34	28	1-31-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE OF TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered	4	
Hand	30	3(6-15) 2(7-9) 1(9-10)
Hydraulic		
Pneumatic Powered		
Powder Actuated		

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1401	Sheet metal Shops	01	22	08	6	6	1-31-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor			Power Truck		
Chain Hoist			Tractor		
Electric Hoist //	2		Plant Railway		
Winch or Tugger			Skid		
Sling //	2		Pallet		
Lifting Fixture			Bicycle		
Dolley			Bus		
Handtruck //	2		Passenger Car		
Wheelbarrow			Motor Truck		
Fork Truck			Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
0. Cranks	24. Handrails	38. Whistle
1. C[illegible] Signals	25. Hitches	39. Other (Note in Remarks)
2. C[illegible] Signs	26. Hooks	
3. Deadman Control	27. Horn	
4. Deck	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) [illegible]

07 - Power Tools
08 - Materials Handling

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1401	Sheet Metal Shop	01	22	09	20	20	1-31-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Acetone Tank			Freon Tank		
Air Receivers			HF Tank		
Boilers			UF_6 Containers		
Compressed Gas Cylinders	20		Water Storage Heaters		
Fluorine Tank			Other (Note in Remarks)		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other (Note in Remarks)
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other (Note in Remarks)	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) J. Gillespie

09 - Pressure Vessels & Gas Cylinders

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1401	Sheet Metal Shop	01	22	10	25	21	1-21-4
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

M E INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Arc Cutting Unit	1		Oxygen-Arc Cutting Unit 1	1	
Automatic Arc Welding Unit	2		Paper Cutter		
Bench or Pedestal Grinder			Planer (metal)		
Blower			Planer (wood)		
Boring Mill			Power Press 4	4	2(6-7) ?
Centrifuge			Press Brake		
Compressor			Pulverizer		
Crusher			Pump		
Diesels (stationary)			Saw (band - metal)		
Drill Press	3		Saw (band - wood)		
Fans	3		Saw (circular - metal)		
Forming Rolls	3		Saw (circular - wood)		
Gear Cutter			Saw (jig)		
Grinding Machine 4/1	3	1 (26-5)	Saw (power - rip)		
Hobber			Saw (radial)		
Jointer			Saw (swing)		
La gine)			Screw Machine		
Lathe (turret)			Shaper (metal)		
Lathe (woodworking)			Shaper (wood)		
Manual Arc Cutting Unit	1		Shears 4	4	
Manual Arc Welding Unit	1	1 (20-7)	Slicer		
Mixer			Other (Note in Remarks)		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) A. Gillespie

10 - Machinery and Equipment

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

Jw

FIXED PROTECTION
(Personnel - Fire)

3 times

Page 1 of ____

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1401	Cleaning Area	01	43	01	20	17	1-31-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Sprinkler System			Fire Extinguishers ////	4	2(3-5)(3-10)(3-15)
Emergency Exits			Protective Equip. Supply /	1	
Emergency Station /	1	1(1-1)(11-13)	P. A. System /	1	
Evacuation Alarm ///	3		Safety Showers ///	3	
Eye Baths ///	3		Standpipes /	1	
Fire Alarm Boxes ///	3		Other (Note in Remarks)		
Fire Doors					

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks) Inspection Tag
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1401	Cleaning Area	01	43	02	8	6	1-31-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping //////	6	1(6-8)	Radiating Surfaces		
Illumination			Traffic Control		
Material Containment			Ventilation		
Radiation //	2	1(6-9)	Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Areas
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) J. C. Murchison

01 - Fixed Protection
02 - Environmental Control

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SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1401	Cleaning area	01	43	03	27	25	1-31-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Catwalks			Ladder (stationery) ~~IIII~~	5	
Exit IIII	4		Platforms III	3	1 (10-9)
Floors IIII	4		Scaffolds		
Furniture III	3		Stairs I	1	
Ladder (portable) ~~IIII~~ II	7	1 (15-9)	Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1401	Cleaning area	01	43	04	8	6	1-31-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine			Steam (Bldg Ht - Below 15 psig)		
H_2SO_4 Hydrofluoric Acid II	2		Steam (Low Pressure - 15-250 psig)	3	1 (10-4)
Natural Gas			Steam (High Pressure - above 250 psig)		
Pyrofax			Air & water Other (Note in Remarks)	3	1 (10-4)

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) J. C. Thurlkill

03 - Work Surfaces
04 - Piping & Containers

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1401	Cleaning Area	01	43	05	49	42	1-31-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Corded Equipment ~~IIII~~	4	
~~IIII~~ ~~IIII~~ ~~IIII~~ ~~IIII~~ Utilization Equipment	20	2(7-5) 1(2-7)
High Voltage Equipment (Above 480 Volts)		
~~IIII~~ ~~IIII~~ ~~IIII~~ ~~IIII~~ ~~IIII~~ Disconnects	25	4(7-5)
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
5. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1401	Cleaning Area	01	43	06	16	13	1-31-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
~~IIII~~ Materials Handling	5	
Use of Tools /	1	
Use and Maintenance of Machines & Equipment		
Use of Ionizing Radiation Sources		

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Use of Safe Attire		
Use of Personnel ~~IIII~~ Protective Devices ~~IIII~~	10	2(28) 1(25)
Work Habits		

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) J. C. Marshall

05 - Electrical
06 - Work Practices

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1401	Cleaning Area	01	43	07	8	7	1-31-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered	1	
Hand HH 1	6	1(7-9)
Hydraulic		
Pneumatic Powered	1	
Powder Actuated		

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1401	Cleaning Area	01	43	08	12	12	1-31-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor			Power Truck	1	
Chain Hoist			Tractor		
Electric Hoist	2		Plant Railway		
Winch or Tugger			Skid		
Sling	2		Pallet HH	5	
Lifting Fixture			Bicycle		
Dolley	1		Bus		
Handtruck			Passenger Car		
Wheelbarrow			Motor Truck		
Fork Truck	1		Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
0. Crank	24. Handrails	38. Whistle
1. C[illegible] Signals	25. Hitches	39. Other (Note in Remarks)
2. C[illegible] Signs	26. Hooks	
3. Deu[illegible]on Control	27. Horn	
4. Deck	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) J. C. Morrison

07 - Power Tools
08 - Materials Handling

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1401	Cleaning area	01	43	09	1	1	1-31-
IBM 5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Acetone Tank			Freon Tank		
Air Receivers			HF Tank		
Boilers			UF_6 Containers		
Compressed Gas Cylinders			Water Storage Heaters		
Fluorine Tank			Freon Other (Note in Remarks)	1	

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other (Note in Remarks)
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other (Note in Remarks)	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) J. C. Mayhew

09 - Pressure Vessels & Gas Cylinders

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1401	Cleaning Area	01	43	10	11	8	1-31-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Arc Cutting Unit			Oxygen-Arc Cutting Unit	5	
Automatic Arc Welding Unit	1		Paper Cutter		
Bench or Pedestal Grinder			Planer (metal)		
Blower			Planer (wood)		
Boring Mill			Power Press		
Centrifuge			Press Brake		
Compressor			Pulverizer		
Crusher			Pump		
Diesels (stationary)			Saw (band - metal)		
Drill Press			Saw (band - wood)		
Fans	2		Saw (circular - metal)		
Forming Rolls			Saw (circular - wood)		
Gear Cutter			Saw (jig)		
Grinding Machine	1	1 (26-5)	Saw (power - rip)		
Hobber			Saw (radial)		
Jointer			Saw (swing)		
Lathe (engine)			Screw Machine		
Lathe (turret)			Shaper (metal)		
Lathe (woodworking)			Shaper (wood)		
Manual Arc Cutting Unit			Shears		
Manual Arc Welding Unit	2	2 (20-7)	Slicer		
Mixer			Other (Note in Remarks)		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) J. C. Murchison

10 - Machinery and Equipment

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

(3 hrs)

FIXED PROTECTION
(Personnel - Fire)

JW

Page 1 of ____

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Weld Shop	D1	23	01	3	2	1-26-1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auton Sprinkler System	—		Fire Extinguishers	11	1 (7-11)
Emergency Exits	—		Protective Equip. Supply		
Emergency Station	—		P. A. System	—	
Evacuation Alarm	—		Safety Showers	—	
Eye Baths	—		Standpipes	—	
Fire Alarm Boxes	1.		Other (Note in Remarks)	—	
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification ~~light~~ *	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:
(STRIPE ON CANOPY)

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Weld Shop	1	23	02	9	5	1-26-1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	IIII	III (6-16) II (6-8)	Radiating Surfaces		
Illumination	1		Traffic Control	1	1 (6-18)
Material Containment	11	1. (6-8) *	Ventilation		
Radiation			Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Areas
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS: Housekeeping checked was all in new areas where adequate facilities for storage are not yet provided, many items are on the floor, on top of cabinets etc.

* RAGS NOT IN SUMAGLE CONTAINER

AUDITED BY (SIGNATURE)	REVIEWED WITH (SIGNATURE)
	J S Roberts

01 - Fixed Protection
02 - Environmental Control

102-76 7-7

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Weld Shop	1	23	03	7	2	1-21-1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Catwalks			Ladder (stationery)		
Exit			Platforms		
Floors	~~IIII~~	III *	Scaffolds		
Furniture	1	1 (6-1)**	Stairs		
Ladder (portable)	1	1 (6-3)	Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS: *PIT BARRICADES DAMAGED and water on floor also FLOOR OBSTRUCTIONS from FORMER OCCUPANCY.
** CHAIR

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Weld Shop	1	23	04	1	1	1-21-1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
~~Electric~~ PLANT AIR	1	1 (7-13)	Steam (Bldg Ht - Below 15 psig)		
Hydrofluoric Acid			Steam (Low Pressure - 15-250 psig)		
Natural Gas			Steam (High Pressure - above 250 psig)		
Pyrofax			Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

Note: SOME OF THE ITEMS - (FLOORS & LADDER) - NOT YET RESPONSIBILITY of WELD SHOP.

AUDITED BY (SIGNATURE)	REVIEWED WITH (SIGNATURE)
	[illegible]

03 - Work Surfaces
04 - Piping & Containers

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Weld Shop	1	23	05	23	12	1-26-4
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

IT INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low V. ..ge Equipment (Below 480 Volts)	~~IIII~~ ~~IIII~~	11 ~~IIII~~ (4-5)
Corded Equipment	IIII	IIII (8-5 or 7)
Utilization Equipment	IIII	
High Voltage Equipment (Above 480 Volts)		
Disconnects		
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
5. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Weld Shop	1	23	06	7	7	1/26/1
BM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling			Use of Safe Attire	1	
Use of Tools	1		Use of Personnel Protective Devices	IIII	
Use and Maintenance of Machines & Equipment			Work Habits	1	
Use of Ionizing Radiation Sources					

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
0. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

EDITED BY (SIGNATURE)	REVIEWED WITH (SIGNATURE)
	[signature]

05 - Electrical
06 - Work Practices

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Weld Shop			07	18	15	1/26/
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE OF TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered	III	III (8-14)
Hand	~~IIII~~	
Hydraulic		
Pneumatic Powered		
Powder Actuated		

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Weld Shop	1	23	08	13	13	1-26-1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor			Power Truck	1	
Chain Hoist			Tractor		
Electric Hoist	III		Plant Railway		
Winch or Tugger			Skid	1	
Sling	~~IIII~~		Pallet		
Lifting Fixture	II		Bicycle		
Dolley	1		Bus		
Handtruck			Passenger Car		
Wheelbarrow			Motor Truck		
Fork Truck			Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Cr[illegible] Signals	25. Hitches	39. Other (Note in Remarks)
12. Ci[illegible] Signs	26. Hooks	
13. Dec[illegible]on Control	27. Horn	
14. Deck	28. Interlocks	

UNSATISFACTORY-CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE) W. S. Roberts

07 - Power Tools
08 - Materials Handling

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Well Shop	1	23	09	17	15	1-26-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Acetylene Tank			Freon Tank		
Air Receivers			HF Tank		
Boilers			UF_6 Containers		
Compressed Gas Cylinders	14	1(11-18) 1(22-22)	Water Storage Heaters		
Fluorine Tank			Other (Note in Remarks)		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other (Note in Remarks)
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other (Note in Remarks)	7. Incorrect	14. Not Shielded	

REMARKS:

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09 - Pressure Vessels & Gas Cylinders

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Weld Shop			10	11	11	1/26-1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Arc Cutting Unit			Oxygen-Arc Cutting Unit		
Automatic Arc Welding Unit	1		Paper Cutter		
Bench or Pedestal Grinder	11		Planer (metal)		
Blower			Planer (wood)		
Boring Mill			Power Press		
Centrifuge			Press Brake		
Compressor			Pulverizer		
Crusher			Pump		
Diesels (stationary)			Saw (band - metal)		
Drill Press	1		Saw (band - wood)		
Fans	1	1 (13-10) *	Saw (circular - metal)		
Forming Rolls			Saw (circular - wood)		
Gear Cutter			Saw (jig)		
Grinding Machine			Saw (power - rip)		
Hobber			Saw (radial)		
Jointer			Saw (swing)		
Lathe (engine)	1		Screw Machine		
Lathe (turret)			Shaper (metal)		
Lathe (woodworking)			Shaper (wood)		
Manual Arc Cutting Unit			Shears		
Manual Arc Welding Unit	1111		Slicer		
Mixer			Other (Note in Remarks)		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard ([redacted])	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
0. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS: (MESH GUARD FOR ELECTRIC FAN)

NOTE: SOME ITEMS NOT AUDITED SINCE THEY ARE INOPERATIVE DUE TO RELOCATION OF THE WELD SHOP EQPT.

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10 - Machinery and Equipment

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

JW

FIXED PROTECTION (Personnel - Fire) 3 Hours

Page 1 of ____

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K140	Vacuum Pump Shop	01	48	01	2	2	1-26-1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auton Sprinkler System	—		Fire Extinguishers	1	
Emergency Exits	—		Protective Equip. Supply	—	
Emergency Station	—		P. A. System	—	
Evacuation Alarm	—		Safety Showers	—	
Eye Baths	—		Standpipes	—	
Fire Alarm Boxes	1		Other (Note in Remarks)	—	
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
140/	Vacuum Pump Shop	1	48	02	8	4	
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	IIII	11 (c-17) 1 (6-16)	Radiating Surfaces	—	
Illumination	1		Traffic Control	—	
Material Containment	1	1 (c-8)*	Ventilation	1	
Radiation	—		Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Areas
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles ✓
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area ✓	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS: * OIL IN UNCOVERED PAIL

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Fixed Protection
Environmental Control

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70-54 7-6

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Vacuum Pump Shop	1	48	03	4	4	1-26-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED		NO. UNSATISFACTORY (PART - REASON)
Catwalks	—		Ladder (stationery)		
Exit	—		Platforms		
Floors	1		Scaffolds		
Furniture	11		Stairs		
Ladder (portable)	1		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1421	Vacuum Pump Shop	1	48	04	2	1	1-26-1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
[redacted] AIR	11	1 (7-13)	Steam (Bldg Ht - Below 15 psig)		
Hydrofluoric Acid			Steam (Low Pressure - 15-250 psig)		
Natural Gas			Steam (High Pressure - above 250 psig)		
Pyrofax			Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

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REVIEWED WITH (SIGNATURE) R. B. Feinart

03 - Work Surfaces
04 - Piping & Containers

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Vacuum Pump Shop	1	48	05	12	9	1-26-1
BM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEMS INSPECTED	NO.	NO. UNSATISFACTORY (ITEM - CONDITION)
Low Voltage Equipment (Below 480 Volts)	11	11 (4-5)
Corded Equipment	111	1 (8-7)
Utilization Equipment	1	
High Voltage Equipment (Above 480 Volts)		
Disconnects		
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
5. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Vacuum Pump Shop	1	48	06	7	6	1-26-1
BM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling			Use of Safe Attire	111	1 (28)
Use of Tools	1		Use of Personnel Protective Devices	111	
Use and Maintenance of Machines & Equipment			Work Habits		
Use of Ionizing Radiation Sources					

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

EDITED BY (SIGNATURE) O. F. Shum

REVIEWED WITH (SIGNATURE) R. B. Leinart

05 - Electrical
06 - Work Practices

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Yard Pump Shop	1		07	16	12	1-26-1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE OF TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered	HHH	11 (6-14)
Hand	HHL	4 (7-17)
Hydraulic		
Pneumatic Powered		
Powder Actuated		

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Yard Pump Shop	1		08	16	13	1-26-1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor			Power Truck	1	1 (27-14)
Chain Hoist			Tractor		
Electric Hoist	111		Plant Railway		
Winch or Tugger			~~Skid~~	111	1 (39-1) *
Sling	HHH 1		Pallet		
Lifting Fixture			Bicycle		
Dolley	11		Bus		
Handtruck	1	1 (23-1)	Passenger Car		
Wheelbarrow			Motor Truck		
Fork Truck			Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
0. Crank	24. Handrails	38. Whistle
1. Cr[illegible] Signals	25. Hitches	39. Other (Note in Remarks)
2. C[illegible] Signs	26. Hooks	
3. De[illegible]n Control	27. Horn	
4. Deck	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS: * SLATS & RAIL BROKEN

AUDITED BY (SIGNATURE) [illegible]

REVIEWED WITH (SIGNATURE) R. B. Leinart

07 - Power Tools
08 - Materials Handling

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Vacuum Pump Shop	1	48	09	10	9	1-26-
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Acetylene Tank			Freon Tank		
Air Receivers			HF Tank		
Boilers			UF_6 Containers		
Compressed Gas Cylinders	~~1~~	1 (10-11)	Water Storage Heaters		
Fluorine Tank			Other (*Note in Remarks*)		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other (*Note in Remarks*)
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other (*Note in Remarks*)	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE) B. F. Shum

REVIEWED WITH (SIGNATURE) R. L. Leinert

09 - Pressure Vessels & Gas Cylinders

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Yarn Pump Shop	1	45	10	8	8	1-26-1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Arc Cutting Unit	—		Oxygen-Arc Cutting Unit	1	
Automatic Arc Welding Unit	—		Paper Cutter		
Bench or Pedestal Grinder	11	1 (26-10)	Planer (metal)		
Blower			Planer (wood)		
Boring Mill			Power Press		
Centrifuge			Press Brake		
Compressor			Pulverizer		
Crusher			Pump		
Diesels (stationary)			Saw (band - metal)		
Drill Press	11		Saw (band - wood)		
Fans	11		Saw (circular - metal)		
Forming Rolls			Saw (circular - wood)		
Gear Cutter			Saw (jig)		
Grinding Machine			Saw (power - rip)		
Hobber			Saw (radial)		
Jointer			Saw (swing)		
Lathe (engine)	1		Screw Machine		
Lathe (turret)			Shaper (metal)		
Lathe (woodworking)			Shaper (wood)		
Manual Arc Cutting Unit			Shears		
Manual Arc Welding Unit			Slicer		
Mixer			Other *(Note in Remarks)*		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other *(Note in Remarks)*
5. Clamp or Vise	15. Guard (projecting stock)	25. Spindle	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other *(Note in Remarks)*	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
0. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

AUDITED BY (SIGNATURE) [signature]

REVIEWED WITH (SIGNATURE) R. L. Leinart

10 - Machinery and Equipment

SAFETY AUDIT REPORT 4 1/2 hrs

UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

Page 1 of ____

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
	1401 Axial Flow Compressor Shop	01	45	01	4	3	1-24-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auton Sprinkler System			Fire Extinguishers	11	1 (3-6)
Emergency Exits			Protective Equip. Supply		
Emergency Station			P. A. System		
Evacuation Alarm			Safety Showers		
Eye Baths			Standpipes	1	
Fire Alarm Boxes	1		Other (Note in Remarks)		
Fire Doors					

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked ✓	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
				02	6	5	1-24-1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	111	1 (8)	Radiating Surfaces		
Illumination	1		Traffic Control	1	
Material Containment	1		Ventilation		
Radiation			Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Areas
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage ✓		

REMARKS:

AUDITED BY (SIGNATURE) B. F. Shuman

REVIEWED WITH (SIGNATURE) R. B. Kinsart 73-56 11-7

1 - Fixed Protection
2 - Environmental Control

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1401	Axial Flow Compressor Shop	1	45	03	7	5	1-24-1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Catw.	—		Ladder (stationery)		
Exit	—		Platforms		
Floors	11		Scaffolds		
Furniture	11		Stairs	1	1 (2-19)*
Ladder (portable)	11	1 (6-3)	Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit ✓	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS: * (GUARD CHAIN NOT IN USE IN PIT)

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1401	Axial Flow Compressor Shop	1	45	04	2	0	1-24-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine			Steam (Bldg Ht - Below 15 psig)		
Hydrofluoric Acid			Steam (Low Pressure - 15-250 psig)		
Natural Gas			Steam (High Pressure - above 250 psig)		
Pyrofax			Other (Note in Remarks) *	11	11 (7-13)

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS: * AIR HOSE

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE) R. B. Reinart

03 - Work Surfaces
04 - Piping & Containers

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K140	Axial Flow Compressor Shop	1	45	05	18	15	1-24-1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)	~~IIII~~ ~~IIII~~	1 (5-7)
Corded Equipment	~~IIII~~	4 (8-7)
Utilization Equipment	III	
High Voltage Equipment (Above 480 Volts)		
Disconnects		
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
5. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
140	Axial Flow Compressor Shop	1	45	06	11	7	1-24-1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	1		Use of Safe Attire	II	
Use of Tools	II	1	Use of Personnel Protective Devices	~~IIII~~	III (2-5) *
Use and Maintenance of Machines & Equipment			Work Habits	1	
Use of Ionizing Radiation Sources					

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS: * (GRINDING WITH ONLY SAFETY GLASSES
USING AIR TO CLEAN - NO " "
" IMPACT WRENCH - NO " "
RIGGERS EMPLOY BOLT & SLING ARRANGEMENT ON Handling impeller parts)

UDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE) Libi Reinart

05 - Electrical
06 - Work Practices

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Axial Flow Compressor Shop	1	45	07	18	13	1-24-1
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE OF TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered	IIII	IIII (14)
Hand	~~IIII~~	1 (●-9)
Hydraulic	1	
Pneumatic Powered	II	
Powder Actuated		

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Axial Flow Compressor Shop	1	45	08	11	10	1-24-1
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor	—		Power Truck	—	
Chain Hoist	—		Tractor	—	
Electric Hoist	III	1 (23) *	Plant Railway	—	
Winch or Tugger	—		Skid	—	
Sling	III		Pallet	1	
Lifting Fixture	II		Bicycle	—	
Dolley	II		Bus	—	
Handtruck	—		Passenger Car	—	
Wheelbarrow	—		Motor Truck	—	
Fork Truck	—		Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
0. Crank	24. Handrails	38. Whistle
1. Crossing Signals	25. Hitches	39. Other (Note in Remarks)
2. Cross Signs	26. Hooks	
3. Dump Control	27. Horn	
4. Deck	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS (* UP HANDLE & DOWN HANDLE PREFERED TO SINGLE)

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE) R. P. Lemaire

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING (1-5)	LOCATION (6-45)	DIVISION CODE (46-49)	LOCATION CODE (50-51)	CLASS CODE (52-53)	NO. INSPECTED (54-57)	NO. SATISFACTORY (58-61)	DATE (62-67)
1540	Axial Flow Compressor Shop	1	45	09	4	2	1-24-

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Acetylene Tank			Freon Tank		
Air Receivers			HF Tank		
Boilers			UF_6 Containers		
Compressed Gas Cylinders	IIII	4 (4 11)	Water Storage Heaters		
Fluorine Tank			Other *(Note in Remarks)*		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other *(Note in Remarks)*
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other *(Note in Remarks)*	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE) R. L. Leinart

09 - Pressure Vessels & Gas Cylinders

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1401	Axial Flow Compressor Shop	1	45	10	3	3	1-24-1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
~~Automatic Arc Cutting Unit~~			Oxygen-Arc Cutting Unit	1	
~~Automatic Arc~~ Welding Unit			Paper Cutter		
Bench or Pedestal Grinder	1		Planer (metal)		
Blower			Planer (wood)		
Boring Mill			Power Press		
Centrifuge			Press Brake		
Compressor			Pulverizer		
Crusher			Pump		
Diesels (stationary)			Saw (band - metal)		
Drill Press			Saw (band - wood)		
Fans			Saw (circular - metal)		
Forming Rolls			Saw (circular - wood)		
Gear Cutter			Saw (jig)		
Grinding Machine			Saw (power - rip)		
Hobber			Saw (radial)		
Jointer			Saw (swing)		
Lathe (engine)			Screw Machine		
Lathe (turret)			Shaper (metal)		
Lathe (woodworking)			Shaper (wood)		
Manual Arc Cutting Unit			Shears		
Manual Arc Welding Unit	1		Slicer		
Mixer			Other *(Note in Remarks)*		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other *(Note in Remarks)*
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other *(Note in Remarks)*	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE) R. B. Lessart

10 - Machinery and Equipment

SAFETY AUDIT REPORT 8 6hrs

UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

Page 1 of ____

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Valve + Utility Shop	01	47	01	4	1	1-15-1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto Sprinkler System	—		Fire Extinguishers	11	1 (17-11)*
Emergency Exits	1		Protective Equip. Supply		
Emergency Station	—		P. A. System		
Evacuation Alarm	—		Safety Showers	--	--
Eye Baths	—		Standpipes		
Fire Alarm Boxes	1		Other (Note in Remarks)		
Fire Doors					

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS: * MARKINGS ON COLUMS INDICATE EXTINGUISHER LOCATIONS - TWO APEAR TO BE MISSING.

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO SATISFACTORY	DATE
1401	EQUIPMENT REPAIR SHOP	1	47	02	11	7	1-15-4
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	IIII	III (6-16) II (6-17)	Radiating Surfaces		
Illumination	IIII		Traffic Control	1	
Material Containment	1	1 (4-8) 1 (6-8)	Ventilation	1	
Radiation			Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Areas
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS: (Work clothing on BOXES on FLOOR) (SCRAP PAPER ON FLOOR of STORAGE ROOM)

AUDITED BY (SIGNATURE) [signature] REVIEWED WITH (SIGNATURE) [signature] 119-83 14-12

01 - Fixed Protection
02 - Environmental Control

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Valve and Utility Shop	1	47	03	9	8	1-19-64
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART-REASON)	SURFACES CHECKED		NO. UNSATISFACTORY (PART-REASON)
Cat[illegible]	11		Ladder (stationery)		
Exit	11		Platforms		
Floors	11		Scaffolds		
Furniture	11		Stairs		
Ladder (portable)	1	1 (12-9)	Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Valve and Utility Shop	1	47	04	3	1	1-19-64
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART-CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Fluorine	—		Steam (Bldg Ht - Below 15 psig)		
Hydrofluoric Acid	—		Steam (Low Pressure - 15-250 psig)		
Natural Gas	—		Steam (High Pressure - above 250 psig)		
Pyrofax	—		Other (Note in Remarks)	111	11 (*)

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:
* AIR HOSE COUPLINGS NOT PINNED.

AUDITED BY (SIGNATURE) [illegible]

REVIEWED WITH (SIGNATURE) J. B. Rogers

03 - Work Surfaces
04 - Piping & Containers

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Valve and Utility Shop	1	47	05	28	14	1-15-1
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)	14	4 (4-5)
Corded Equipment	14	9 (8-7)
Utilization Equipment	1	1 (2-3)
High Voltage Equipment (Above 480 Volts)	—	
Disconnects	—	
Rotating Equipment	—	
Other (Note in Remarks)	—	

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit ✓
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged ✓
4. Deteriorated
5. Identification
6. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Valve and Utility Shop	1	47	06	14	12	1-15-1
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	11		Use of Safe Attire	14	
Use of Tools	1		Use of Personnel Protective Devices	14	11 (25)
Use and Maintenance of Machines & Equipment			Work Habits		
Use of Ionizing Radiation Sources					

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

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05 - Electrical
06 - Work Practices

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Valve and Utility Shop	1	47	07	23	16	1-19-1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE OF TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Elec.. Powered	11	11 (14)
Hand	~~111~~ 11	11 (9) *
Hydraulic	—	
Pneumatic Powered	—	
Powder Actuated	—	

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS: * (all files without handles)

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Valve and Utility Shop	1	47	08	14	12	1-19-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor	—		Power Truck	—	
Chain Hoist	1		Tractor	—	
Electric Hoist	111		Plant Railway	—	
Winch or Tugger	—		Skid	—	
Sling	~~1111~~	2 (-5)	Pallet	1	
Lifting Fixture	1		Bicycle	—	
Dolley	1		Bus	—	
Handtruck	1		Passenger Car	—	
Wheelbarrow	—		Motor Truck	—	
Fork Truck	—		Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
0. Crank	24. Handrails	38. Whistle
1. Crossing Signals	25. Hitches	39. Other (Note in Remarks)
2. C[illegible] Signs	26. Hooks	
3. D[illegible]n Control	27. Horn	
4. Dec[illegible]	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

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07 - Power Tools
08 - Materials Handling

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Valve & Utility Shop	1	47	09	14	14	1-15-
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Acetylene Tank			Freon Tank		
Air Receivers			HF Tank		
Boilers			UF_6 Containers		
Compressed Gas Cylinders	14		Water Storage Heaters		
Fluorine Tank			Other *(Note in Remarks)*		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other *(Note in Remarks)*
6. Gage-Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other *(Note in Remarks)*	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE) [signature]

REVIEWED WITH (SIGNATURE) J. G. Rogers

09 - Pressure Vessels & Gas Cylinders

SAFETY AUDIT REPORT

UCN-2021 (1 -9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
140	Equipment Repair Shop	1	47	10	13	10	1-15-1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto[illegible]ic Arc Cutting Unit	[redacted]	[redacted]	Oxygen-Arc Cutting Unit	11	
Autom[illegible]	[redacted]	[redacted]	Paper Cutter	—	
Bench or Pedestal Grinder	11		Planer (metal)	—	
Blower	—		Planer (wood)	—	
Boring Mill	1		Power Press	—	
Centrifuge	—		Press Brake	—	
Compressor	—		Pulverizer	—	
Crusher	—		Pump	—	
Diesels (stationary)	—		Saw (band - metal)	11	
Drill Press	1	1 (13-7)	Saw (band - wood)	1	1 (17-7)
Fans	1	1 (20)	~~Saw (circular - metal)~~	~~1~~	
Forming Rolls	—		Saw (circular - wood)	—	
Gear Cutter	—		Saw (jig)	—	
Grinding Machine	—		Saw (power - rip)	—	
Hobber	—		Saw (radial)	—	
Jointer	—		Saw (swing)	—	
Lath[illegible] (engine)	1		Screw Machine	—	
La[illegible] [illegible]rret)	—		Shaper (metal)	—	
Lathe (woodworking)	—		Shaper (wood)	—	
Manual Arc Cutting Unit	1		Shears	—	
Manual Arc Welding Unit	1		Slicer	—	
Mixer	—		Other (Note in Remarks)		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS: A "DOALL" BLADE EXPOSED AT POINT THAT SHOULD BE GUARDED.

AUDITED BY (SIGNATURE) [illegible]

REVIEWED WITH (SIGNATURE) J. G. Rogers

10 - Machinery and Equipment

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

Page 1 of ____

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K1401	MACHINE SHOP	01	21	01	5	5	1-18-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Sprinkler System	—		Fire Extinguishers	III	
Emergency Exits	—		Protective Equip. Supply		
Emergency Station	✓		P. A. System	—	
Evacuation Alarm	—		Safety Showers	—	
Eye Baths	—		Standpipes	1	
Fire Alarm Boxes	1		Other (Note in Remarks)		
Fire Doors	✓				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	MACHINE SHOP	1	21	02	19	12	1-18-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
*Housekeeping	HHHH	4 - (6-17)	Radiating Surfaces	—	
Illumination	1		Traffic Control	1	
**Material Containment	HHHH	(6-17) (6-16) (6-21)	Ventilation	—	
Radiation	—		Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored In Designated Areas
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area ✓	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks) COVERS ON WASTE CANS.
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS: * ROD STOCK ON FLOOR, PALLET IN AISLE, SCRAP ON ELECTRICAL CONTROL BOXES, DRILL VICE ON FLOOR.
** UNCOVERED WASTE CONTAINERS, ITEMS ON TOP OF CABINETS, STOCK ON FLOOR NEAR RACK FORK.

AUDITED BY (SIGNATURE) R. F. Thomas

REVIEWED WITH (SIGNATURE) O F Clayton 131-53 16.12

01 - Fixed Protection
02 - Environmental Control

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1701	Machine Shop	1	21	03	9	7	1-18-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED		NO. UNSATISFACTORY (PART - REASON)
Catwalks	—		Ladder (stationery)		
Exit	11		Platforms	1	1D-19 ✓
Floors	11		Scaffolds	—	
Furniture	11	(11-1)**	Stairs	—	
Ladder (portable)	11		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks) *
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated ✓	

REMARKS: * PLATFORM ON COL D-16 NEEDS HAND RAIL OR REMOVAL

** CABINET AT MACHINE #56

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1701	Machine Shop	1	21	04	6	3	1-28-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine	—		Steam (Bldg Ht - Below 15 psig)		
Hydrofluoric Acid	—		Steam (Low Pressure - 15-250 psig)		
Natural Gas	—		Steam (High Pressure - above 250 psig)		
Pyrofax	—		Other (Note in Remarks)	1441	(7-13) *(7-13)-(7-13)

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS: * Air Hose

AUDITED BY (SIGNATURE) [signature]

REVIEWED WITH (SIGNATURE) [signature]

03 - Work Surfaces
04 - Piping & Containers

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Machine Shop	1	21	05	36	75	1-18-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)	~~IIII~~	5-(4-5)
Corded Equipment	~~IIII~~ ~~IIII~~ I	15 (8-6) 1 (3-7)*
Utilization Equipment	~~IIII~~ ~~IIII~~	
High Voltage Equipment (Above 480 Volts)	—	
Disconnects	—	
Rotating Equipment	—	
Other (Note in Remarks)	—	

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker ✓
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks) *

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
6. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS: * 440V CORD TO VACUUM at Col D-17

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Machine Shop	1	21	06	16	12	1-18-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling			Use of Safe Attire	~~IIII~~	2 (*)
Use of Tools	III		Use of Personnel Protective Devices	~~IIII~~ I	
Use and Maintenance of Machines & Equipment	I		Work Habits	I	1 (11)
Use of Ionizing Radiation Sources	—				

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended ✓
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or, Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS: * LONG SLEEVES AT LATHE, & ANOTHER AT DRILL

AUDITED BY (SIGNATURE) B. T. Shum

REVIEWED WITH (SIGNATURE) F Clayton

05 - Electrical
06 - Work Practices

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Machine Shop	1	21	07	20	19	1-18-1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE OF TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered	—	
Hand	~~IIII~~ ~~IIII~~ ~~IIII~~	1 (22)
Hydraulic	—	
Pneumatic Powered	—	
Powder Actuated	—	

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Machine Shop	1	21	08	10	8	1-18-1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor	—		Power Truck	—	
Chain Hoist	—		Tractor	—	
Electric Hoist	~~IIII~~		Plant Railway	—	
Winch or Tugger	—		Skid	—	
Sling	11		Pallet	1	
Lifting Fixture	—		Bicycle	—	
Dolley	1	1 (*)	Bus	—	
Handtruck	1	1 (23-1)	Passenger Car	—	
Wheelbarrow	—		Motor Truck	—	
Fork Truck	—		Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
0. Crank	24. Handrails	38. Whistle
1. G g Signals	25. Hitches	39. Other (Note in Remarks)
2. C g Signs	26. Hooks	
3. De on Control	27. Horn	
4. Deck	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:
* ~~[illegible]~~ FLOOR of MATERIALS CART.

AUDITED BY (SIGNATURE) R. A. Shinn

REVIEWED WITH (SIGNATURE) O. F. Clayton

07 - Power Tools
08 - Materials Handling

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Machine Shop	1	21	10	26	24	1-18-1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto. Arc Cutting Unit	—		Oxygen-Arc Cutting Unit	—	
Automatic Arc Welding Unit	—		Paper Cutter	—	
Bench or Pedestal Grinder	4	1 (23-1) * 1 (28)	Planer (metal)	1	
Blower	—		Planer (wood)	—	
Boring Mill	1		Power Press	—	
Centrifuge	—		Press Brake	—	
Compressor	—		Pulverizer	—	
Crusher	—		Pump	—	
Diesels (stationary)	—		Saw (band - metal)	1	
Drill Press	1	1 (13-7)	Saw (band - wood)	—	
Fans	1		Saw (circular - metal)	—	
Forming Rolls	—		Saw (circular - wood)	—	
Gear Cutter	—		Saw (jig)	—	
Grinding Machine	1		Saw (power - rip)	—	
Hobber	—		Saw (radial)	—	
Jointer	—		Saw (swing)	—	
Lathe (engine)	4		Screw Machine	4	
Lathe (turret)	3		Shaper (metal)		
Lathe (woodworking)	—		Shaper (wood)	—	
Manual Arc Cutting Unit	—		Shears	—	
Manual Arc Welding Unit	—		Slicer	—	
Mixer	—		Other (Note in Remarks)		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose	**	9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

* GLASS SHIELD

** OUT OF BALANCE ??

AUDITED BY (SIGNATURE) [signature]

REVIEWED WITH (SIGNATURE) [signature]

10 - Machinery and Equipment

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

JW

Page 1 of ____

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1402	Electrical Shop	01	11	01	4	4	6-27-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Sprinkler System			Fire Extinguishers	1	
Emergency Exits			Protective Equip. Supply	2	
Emergency Station			P. A. System		
Evacuation Alarm			Safety Showers		
Eye Baths			Standpipes		
Fire Alarm Boxes	1		Other (Note in Remarks)		
Fire Doors					

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1402	Electrical Shop	01	11	02	12	11	6-27-6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	4	1 (6-2)	Radiating Surfaces		
Illumination	3		Traffic Control		
Material Containment	2		Ventilation	3	
Radiation			Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Area:
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

-548- 61-53-0-0

AUDITED BY (SIGNATURE) W. F. [illegible]

REVIEWED WITH (SIGNATURE)

01 - Fixed Protection
02 - Environmental Control

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1402	Electrical Shop.	01	11	03	13	12	6-27-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Catwalks			Ladder (stationery)		
Exit			Platforms		
Floors	3		Scaffolds		
Furniture	8	1(6-4)	Stairs		
Ladder (portable)	2		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1402	Electrical Shop	01	11	04	3	3	6-26-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine			Steam (Bldg Ht - Below 15 psig)		
Hydrofluoric Acid			Steam (Low Pressure - 15 - 250 psig)		
Natural Gas			Steam (High Pressure - above 250 psig)		
Pyrofax	2		Electr. Conn. Other (Note in Remarks)	1	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Eddi

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1402	Electrical Shop	01	11	05	18	13	6-27-[illegible]
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)		
IIII. // Corded Equipment	8	1(8-6)
/// Utilization Equipment	5	1(7-7)
High Voltage Equipment (Above 480 Volts)		
// Disconnects	5	2(7-7)
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
6. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1402	Electrical Shop	01	11	06			
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling			Use of Safe Attire		
Use of Tools			Use of Personnel Protective Devices		
Use and Maintenance of Machines & Equipment		No Permit	Work Habits		
Use of Ionizing Radiation Sources					

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

AUDITED BY (SIGNATURE) W. F. Eplin

REVIEWED WITH (SIGNATURE)

05 - Electrical

SAFETY AUDIT REPORT

JCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
C-1402	Electrical Shop	E1	11	07	4	3	6-27-61
BM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE OF TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered		
Hand	4	1(7-9)
Hydraulic		
Pneumatic Powered		
Powder Actuated		

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
C-1402	Electrical Shop	D1	11	08	5	5	6-27-61
BM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor			Power Truck		
Chain Hoist			Tractor		
Electric Hoist			Plant Railway		
Winch or Tugger			Skid		
Sling			Pallet		
Lifting Fixture			Bicycle		
Trolley			Bus		
Handtruck	5		Passenger Car		
Wheelbarrow			Motor Truck		
Fork Truck			Other (Note in Remarks)		

UNSATISFACTORY PART

Access Ladders	15. Dog	29. Lights
Bell	16. Exhaust	30. Limitswitches
Brakes	17. Fittings	31. Road Bed
Bumping Post	18. Forks	32. Rope
Cable	19. Frame	33. Runners
Chain	20. Glass	34. Switches
Clearance Markers	21. Grounding Connection	35. Ties
Controls	22. Guards	36. Track
Couplings	23. Handles	37. Wheels
Crank	24. Handrails	38. Whistle
Cr[illegible] Signals	25. Hitches	39. Other (Note in Remarks)
C[illegible] Signs	26. Hooks	
De[illegible]an Control	27. Horn	
Deck	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE)

07 - Power Tools
08 - Materials Handling

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1402	Electrical Shop	01	11	09	2	2	
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Acetylene Tank			Freon Tank		
Air Receivers			HF Tank		
Boilers			UF_6 Containers		
Compressed Gas Cylinders	2		Water Storage Heaters		
Fluorine Tank			Other *(Note in Remarks)*		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other *(Note in Remarks)*
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other *(Note in Remarks)*	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
K-1412	Electrical Shop	01	11	10	5	5	6-22-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-6

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Arc Cutting Unit			Oxygen-Arc Cutting Unit		
Automatic Arc Welding Unit			Paper Cutter		
Bench or Pedestal Grinder	2		Planer (metal)		
Blower			Planer (wood)		
Boring Mill			Power Press		
Centrifuge			Press Brake		
Compressor			Pulverizer		
Crusher			Pump		
Diesels (stationary)			Saw (band - metal)		
Drill Press	1		Saw (band - wood)		
Fans	2		Saw (circular - metal)		
Forming Rolls			Saw (circular - wood)		
Gear Cutter			Saw (jig)		
Grinding Machine			Saw (power - rip)		
Hobber			Saw (radial)		
Jointer			Saw (swing)		
Lat[illegible]gine)			Screw Machine		
Latt[illegible]urret)			Shaper (metal)		
Lathe (woodworking)			Shaper (wood)		
Manual Arc Cutting Unit			Shears		
Manual Arc Welding Unit			Slicer		
Mixer			Other *(Note in Remarks)*		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other *(Note in Remarks)*
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other *(Note in Remarks)*	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

AUDITED BY (SIGNATURE) W. P. Ellis

REVIEWED WITH (SIGNATURE) W. A. Parsons

SAFETY AUDIT REPORT 1 3/4 hrs

UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

JW

Page 1 of ____

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01402	Electrical Shop	01	11	01	1	1	3-16-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Auto Sprinkler System	—		Fire Extinguishers	1	
Emergency Exits	—		Protective Equip. Supply	—	
Emergency Station	—		P. A. System	—	
Evacuation Alarm	—		Safety Showers	—	
Eye Baths	—		Standpipes	—	
Fire Alarm Boxes	—		Other (Note in Remarks)		
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01402	Electrical Shop	01	11	02	7	5	3-16-61
BM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	11	1 (6-8)	Radiating Surfaces	—	
Illumination	1		Traffic Control	1	
Material Containment	11	1 (6-8)	Ventilation	1	
Radiation	—		Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Areas
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS: Fluorescent tubes could be more adequately stored.

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AUDITED BY (SIGNATURE) H E Marshall

REVIEWED WITH (SIGNATURE) W.A. Cobrahme

01 - Fixed Protection
02 - Environmental Control

28-31 5-8

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1402	Electrical Shop	01	11	03	6	6	3-16-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART-REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART-REASON)
Catwalks	—		Ladder (stationery)	—	
Exit	1		Platforms	—	
Floors	1		Scaffolds	—	
Furniture	111		Stairs	—	
Ladder (portable)	1		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
0. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
1. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1402	Electrical Shop	01	11	04	1	1	3-16-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART-CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Fluorine	—		Steam (Bldg Ht - Below 15 psig)	1	
Hydrofluoric Acid	—		Steam (Low Pressure - 15-250 psig)	—	
Natural Gas	—		Steam (High Pressure - above 250 psig)	—	
Pyrofax	—		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

03 - Work Surfaces
04 - Piping & Containers

SAFETY AUDIT REPORT

ICN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1402	Electrical Shop	01	11	05	8	6	
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)	—	
Grounded Equipment	11	
Utilization Equipment	111	11 (4-5)
High Voltage Equipment (Above 480 Volts)	—	
Disconnects	—	
Rotating Equipment	—	
Other (Note in Remarks)	—	

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
6. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1402	Electrical Shop	01	11	06	8	8	3-16-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	—		Use of Safe Attire	11	
Use of Tools	11		Use of Personnel Protective Devices	11	
Use and Maintenance of Machines & Equipment	—		Work Habits	11	
Use of Ionizing Radiation Sources	—				

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

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EDITED BY (SIGNATURE)	REVIEWED WITH (SIGNATURE)

05 - Electrical
06 - Work Practices

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01402	Electrical Shop	01	11	07	9	6	3-16-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-6

TYPE OF TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered	11	1(6-14)
Hand	~~IIII~~	2(7-9)
Hydraulic	—	
Pneumatic Powered	—	
Powder Actuated	—	

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (*Note in Remarks*
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (*Note in Remarks*)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1402	Electrical Shop	01	11	08	3	3	3-16-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor	—		Power Truck	—	
Chain Hoist	—		Tractor	—	
Electric Hoist	—		Plant Railway	—	
Winch or Tugger	—		Skid	—	
Sling	—		Pallet	—	
Lifting Fixture	—		Bicycle	///	
Dolley	—		Bus	—	
Handtruck	—		Passenger Car	—	
Wheelbarrow	—		Motor Truck	—	
Fork Truck	—		Other (*Note in Remarks*)		

UNSATISFACTORY PART

. Access Ladders	15. Dog	29. Lights
. Bell	16. Exhaust	30. Limitswitches
. Brakes	17. Fittings	31. Road Bed
. Bumping Post	18. Forks	32. Rope
. Cable	19. Frame	33. Runners
. Chain	20. Glass	34. Switches
. Clearance Markers	21. Grounding Connection	35. Ties
. Controls	22. Guards	36. Track
. Couplings	23. Handles	37. Wheels
. Crank	24. Handrails	38. Whistle
. C ng Signals	25. Hitches	39. Other (*Note in Remarks*)
. C g Signs	26. Hooks	
. D an Control	27. Horn	
. Deck	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (*Note in Remarks*)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

07 - Power Tools
08 - Materials Handling

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01402	Electrical Shop	01	11	09	3	3	3-16-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Acetylene Tank	—		Freon Tank	—	
Air Receivers	—		HF Tank	—	
Boilers	—		UF_6 Containers	—	
Compressed Gas Cylinders	11		Water Storage Heaters	1	
Fluorine Tank	—		Other *(Note in Remarks)*		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other *(Note in Remarks)*
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other *(Note in Remarks)*	7. Incorrect	14. Not Shielded	

REMARKS:

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AUDITED BY (SIGNATURE)	REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1402	Electrical Shop.	01	11	10	2	2	3-16-6'
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MA E INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Automatic Arc Cutting Unit	—		Oxygen-Arc Cutting Unit	—	
Automatic Arc Welding Unit	—		Paper Cutter	—	
Bench or Pedestal Grinder	/		Planer (metal)	—	
Blower	—		Planer (wood)	—	
Boring Mill	—		Power Press	—	
Centrifuge	—		Press Brake	—	
Compressor	—		Pulverizer	—	
Crusher	—		Pump	—	
Diesels (stationary)	—		Saw (band - metal)	—	
Drill Press	/		Saw (band - wood)	—	
Fans	—		Saw (circular - metal)	—	
Forming Rolls	—		Saw (circular - wood)	—	
Gear Cutter	—		Saw (jig)	—	
Grinding Machine	—		Saw (power - rip)	—	
Hobber	—		Saw (radial)	—	
Hointer	—		Saw (swing)	—	
Lat gine)	—		Screw Machine	—	
Latt. urret)	—		Shaper (metal)	—	
Lathe (woodworking)	—		Shaper (wood)	—	
Manual Arc Cutting Unit	—		Shears	—	
Manual Arc Welding Unit	—		Slicer	—	
Mixer	—		Other (Note in Remarks)		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
. Dust Collector	19. Hose		9. Maintenance	
. Flanges	20. Inspection Date and Tag		10. Missing	

EMARKS:

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UDITED BY (SIGNATURE) H E Marshall

REVIEWED WITH (SIGNATURE) W. A. Cobrahme.

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE
K-1407	SAFETY EQUIPMENT BUILDING	01	44
IBM 1-48		49-50	51-52

AUDITED BY (SIGNATURE): Neil B. Schmitt

REVIEWED WITH (SIGNATURE): C. C. Kindrick

FIXED PROTECTION (Personal - Fire)	IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
		01	4	4	12-11-61
		53 - 54	55 - 58	59 - 62	63 - 70

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Sprinkler System	—		Fire Extinguishers	2	
Emergency Exits	2		Protective Equip. Supply	—	
Emergency Station	—		P. A. System	—	
Evacuation Alarm	—		Safety Showers	—	
Eye Baths	—		Standpipes	—	
Fire Alarm Boxes	—		Other (Note in Remarks)	—	
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Damaged	10. Missing
2. Contents	11. Respiratory Equipment	2. Deteriorated	11. Not Labelled
3. Door	12. Rack	3. Dirty	12. Not Lighted
4. Fusible Link	13. Rollers	4. Improperly Stored	13. Not Posted
5. Hardware	14. Sprinkler Head	5. Inaccessible or Blocked	14. Out of Test Date
6. Hose	15. Stop Valve	6. Inadequate	15. Unsealed
7. Identification Light	16. Track	7. Inoperative	16. Other (Note in Remarks
8. Nozzle	17. Unit	8. Leaking	
9. Operating Instructions	18. Other	9. Location Not Indicated	

REMARKS:

ENVIRONMENTAL CONTROL	IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
		02	12	11
		53 - 54	55 - 58	59 - 62

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Cleanliness, Orderliness	2	1(6-15)	Radiation (Thermal)	1	
Disposal of Scrap; Waste	2		Radiation (Arc, Ionizing)	—	
Protection of Hazardous or Flammable Refuse	2		Traffic Control	1	
Storage — Material and Equipment	2		Illumination	1	
Storage — Compressed Gas Cylinders	—		Ventilation	1	
Vegetation Control	—		Other (Note in Remarks)	—	

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Creates Fire Hazard	10. Inadequate or Improper Ventilation Equipment	19. Not Properly Secured
2. Lunch Room	2. Dirty	11. Inadequate Warning Signs	20. Pedestrian Lanes Not Indicated
3. Office	3. Excessive Accumulation	12. Incorrect Lighting Fixtures	21. Poor Arrangement
4. Storage Area	4. Excessive Glare	13. Inoperative Equipment	22. Poorly Stacked
5. Washroom	5. Fire Lanes Blocked	14. Insufficient Illumination	23. Unsafe Method Used
6. Work Area	6. Inadequate Barricades	15. Materials Not Stored in Designated Areas	24. Wrong Type Container
	7. Inadequate Insulation	16. Material Protruding into Aisles	25. Special Hazards Not Marked
	8. Inadequate Sheilding	17. Metal Cap Missing	26. Ventilation Equipment Not Being Used
	9. Inadequate Traffic Markers	18. No Containers	27. Other (Note in Remarks)

REMARKS:

01 - Fixed Protection 02 - Environmental Control

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

WORK SURFACES	IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
		03	7	7
		53 - 54	55 - 58	59 - 62

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Cat	—		Ladder (stationery)	—	
Exit	2		Platforms	—	
Floors	2		Scaffolds	—	
Furniture	2		Stairs	1	
Ladder (portable)	—		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS	IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
		04	2	2
		53 - 54	55 - 58	59 - 62

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Combustible Gas	—		Steam (Bld Ht.- Below 250 psig)	1	
Flammable Liquid	—		Steam (High Pressure - above - 250 psig)	—	
Toxic or Corrosive Liquid	—		Air	1	
Toxic or Corrosive Gas	—		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Cleaning Tank	9. Insulation	1. Broken	9. Kinked
2. Controls	10. Pipe	2. Corroded	10. Leaking
3. Couplings	11. Regulators	3. Damaged	11. Missing
4. Metal Containers	12. Safety Devices	4. Deteriorated	12. Not Pinned
5. Glass Containers	13. Tubing	5. Inadequate	13. Not Properly Identified
6. Hose	14. Valves	6. Inadequate Pressure Rating	14. Not Sealed
7. Grounding	15. Vents	7. Incorrect	15. Not Shielded
8. Guards or Supports	16. Housing	8. Inoperative	16. Plugged
	17. Other (Note in Remarks)		17. Other (Note in Remarks)

REM

03 - Work Surfaces 04 - Piping and Containers

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

ELECTRICAL	IBM	CLASS CODE 05 (53 - 54)	NO. INSPECTED 4 (55 - 58)	NO. SATISFACTORY 4 (59 - 62)

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM - CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Corded Equipment	4	(1961)
Utilization Equipment	4	
Other (Note in Remarks)	—	
High Voltage Equipment (Above 480 Volts)		
Disconnects		
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Box Covers
3. Conduit
4. Connectors
5. Breaker
6. Grounds
7. Ground Mats
8. Identification
9. Inspection Date and Tag
10. Insulation
11. Plugs
12. Receptacles
13. Safety Switch
14. Switch
15. Warning Signs
16. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Does Not Meet Plant Specifications
6. Exposed Terminals
7. Missing
8. Not Provided
9. Ungrounded
10. Unguarded
11. Other (Note in Remarks)

REMARKS:

WORK PRACTICES	IBM	CLASS CODE 06 (53 - 54)	NO. INSPECTED 10 (55 - 58)	NO. SATISFACTORY 10 (59 - 62)

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	2		Use of Safe Attire	2	
Use of Tools	1		Use of Personnel Portective Devices	2	
Use and Maintenance of Machines & Equipment	1		Work Habits	2	
Use of Ionizing Radiation Sources	—				

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Use
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS	IBM	CLASS CODE 07 (53 - 54)	NO. INSPECTED 7 (55 - 58)	NO. SATISFACTORY 7 (59 - 62)

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
El owered	2	
Hand	3	
Hydraulic	—	
Pneumatic Powered	—	
Powder Actuated	—	
Laboratory Glassware	2	

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES	IBM	CLASS CODE 08 (53 - 54)	NO. INSPECTED 6 (55 - 58)	NO. SATISFACTORY 6 (59 - 62)

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor	—		Power Truck	—	
Chain Hoist	1		Tractor	—	
Electric Hoist	—		Plant Railway	—	
Winch or Tugger	—		Skid	—	
Sling	—		Pallet	1	
Lifting Fixture	—		Bicycle	2	
Dolley	2		Bus	—	
Hand Truck	—		Passenger Car	—	
Wheelbarrow	—		Motor Truck	—	
Fork Truck	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART

1. Access Ladders	9. Couplings	17. Fittings	25. Hitches	33. Runers
2. Bell	10. Crank	18. Forks	26. Hooks	34. Switches
3. Brakes	11. Crossing Signals	19. Frame	27. Horn	35. Ties
4. Bumping Post	12. Crossing Signs	20. Glass	28. Interlocks	36. Track
5. Cable	13. Dead Man Controls	21. Grounding Connection	29. Lights	37. Wheels
6. Chain	14. Deck	22. Guards	30. Limitswitches	38. Whistle
7. Clearance Markers	15. Dog	23. Handles	31. Road Bed	39. Other (Note in Remarks)
8. Controls	16. Exhaust	24. Handrails	32. Rope	

UNSATISFACTORY CONDITION

1. Broken	5. Damaged	9. Improperly Located	13. Maintenance	17. Other (Note in Remarks)
2. Construction	6. Deteriorated	10. Inadequate	14. Missing	
3. Corroded	7. Illegible	11. Inoperative	15. Overloaded	
4. Cracked	8. Improperly Adjusted	12. Kinked	16. Protruding Fastenings	

RE S:

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS—COMPRESSED GAS CYLINDERS	IBM	CLASS CODE 09	NO. INSPECTED	NO. SATISFACTORY
		53 - 54	55 - 58	59 - 62

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Acetylene Tank	—		Freon Tank	—	
Air Receivers	—		HF Tank	—	
Boilers	—		UF_6 Containers	—	
Compressed Gas Cylinders	—		Water Storage Heaters	1	
Fluorine Tank	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Past Due
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Plugged
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Unsecured
4. Dikes	11. Shell	4. Deterioated	11. Missing	18. Other (Note in Remarks)
5. Drip Pans	12. Test	5. Inadequate	12. Not Sealed	
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Shielded	
7. Grounding or Bonding	14. Other (Note in Remarks)	7. Incorrect	14. Open Valve	

REMARKS:

Sinil —

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

MACHINERY AND EQUIPMENT	IBM	CLASS CODE 10 (53 - 54)	NO. INSPECTED 3 (55 - 58)	NO. SATISFACTORY 5 (59 - 62)

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Be Pedestal Grinder	1		Press Brake	—	
Blower	—		Pulverizer	—	
Boring Mill	—		Pump	1	
Centrifuge	—		Saw (band - metal)	—	
Compressor	—		Saw (band - wood)	—	
Crusher	—		Saw (circular - metal)	—	
Diesels (stationary)	—		Saw (circular- -wood)	—	
Drill Press	—		Saw (jig)	—	
Fans	2		Saw (power - rip)	—	
Forming Rolls	—		Saw (radial)	—	
Gear Cutter	—		Saw (swing)	—	
Grinding Machine	—		Screw Machine	—	
Hobber	—		Shaper (metal)	—	
Jointer	—		Shaper (wood)	—	
Lathe (engine)	—		Shears	—	
Lathe (turret)	—		Slicer	—	
Lathe (woodworking)	—		Welding or Cutting Unit Oxyacetylene - Manual	—	
Mi	—		Welding or Cutting Unit Electric - Manual	—	
Pap. utter	—		Welding or Cutting Unit Oxyacetylene - Automatic	—	
Planer (metal)	—		Welding or Cutting Unit Electric - Automatic	—	
Planer (wood)	—				
Power Press	—		Other (Note in Remarks)	1	Plastic seat

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	12. Feed Device	23. Limit Stop	1. Broken	11. Rough
2. Blowpipe	13. Grounding	24. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (electrode)	14. Guard	25. Regulator	3. Defective	13. Valve Open
4. Cable (power)	15. Guard (belt)	26. Safety Device	4. Improperly Adjusted	14. Wrong Size or Type
5. Chip Screen	16. Guard (gears)	27. Screens	5. Improperly Located	15. Other (Note in Remarks)
6. Clamp or Vise	17. Guard (projecting stock)	28. Spindle	6. Improperly Secured	
7. Controls	18. Guard (splash)	29. Tool Rest	7. Inadequate	
8. Cylinder Cart	19. Guard (tool or die)	30. Torch	8. Inoperative	
9. Cylinder	20. Guard (wheel)	31. Wheel Dressing	9. Maintenance	
10. Dust Collector	21. Hose	32. Other (Note in Remarks)	10. Missing	
11. Flanges	22. Inspection Date and Tag			

REMARKS:

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1407	Safety Equip Building	01	44	01	4	4	3-27-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto Sprinkler System	—		Fire Extinguishers	/	
Emergency Exits	//		Protective Equip. Supply	—	
Emergency Station	—		P. A. System	—	
Evacuation Alarm	/	(?)	Safety Showers	—	
Eye Baths	—		Standpipes	—	
Fire Alarm Boxes	—		Other (Note in Remarks)		
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1407	Safety Equip Building	01	44	02	6	5	3-27-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	///	1(6-8)	Radiating Surfaces	—	
Illumination	/		Traffic Control	—	
Material Containment	/		Ventilation	/	
Radiation	—		Other (Note in Remarks)	—	

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Areas
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

AUDITED BY (SIGNATURE) J B Bonner

REVIEWED WITH (SIGNATURE) Neil Dyer

48-38 9-9

01 - Fixed Protection
02 - Environmental Control

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Safety Equip Building	01	44	03	9	9	3-27-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED		NO. UNSATISFACTORY (PART - REASON)
Cat...	—		Ladder (stationery)	—	
Exit	/		Platforms	—	
Floors	//		Scaffolds	—	
Furniture	///		Stairs	//	
Ladder (portable)	/		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1401	Safety Equip Building	01	44	04	2	2	3-27-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine	—		Steam (Bldg Ht - Below 15 psig)	//	
Hydrofluoric Acid	—		Steam (Low Pressure - 15-250 psig)	—	
Natural Gas	—		Steam (High Pressure - above 250 psig)	—	
Pyrofox	—		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE) [signature]

REVIEWED WITH (SIGNATURE)

03 - Work Surfaces
04 - Piping & Containers

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1407	Safety Equip. Building	01	44	05	13	4	3-27-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM - CONDITION)
Low Voltage Equipment (Below 480 Volts)	—	
Corded Equipment	~~IIII~~	* 5 (8-7)
Utilization Equipment	~~IIII~~ III	3 (11-5) 1 (4-5)
High Voltage Equipment (Above 480 Volts)	—	
Disconnects	—	
Rotating Equipment	—	
Other (Note in Remarks)	—	

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
5. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS: * cord feeding grinder wired wrong-

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1407	Safety Equip Building	01	44	06	9	9	3-27-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	—		Use of Safe Attire	III	
Use of Tools	II		Use of Personnel Protective Devices	—	
Use and Maintenance of Machines & Equipment	I		Work Habits	III	
Use of Ionizing Radiation Sources	—				

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

AUDITED BY (SIGNATURE) J. B. Boman

REVIEWED WITH (SIGNATURE)

05 - Electrical
06 - Work Practices

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING (1-5)	LOCATION (6-45)	DIVISION CODE (46-49)	LOCATION CODE (50-51)	CLASS CODE (52-53)	NO. INSPECTED (54-57)	NO. SATISFACTORY (58-61)	DATE (62-67)
407	Safety Equip Building	01	44	07	10	10	3-27-61

TYPE OF TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered	—	
Hand	111	
Hydraulic	—	
Pneumatic Powered	—	
Powder Actuated	—	

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING (1-5)	LOCATION (6-45)	DIVISION CODE (46-49)	LOCATION CODE (50-51)	CLASS CODE (52-53)	NO. INSPECTED (54-57)	NO. SATISFACTORY (58-61)	DATE (62-67)
407	Safety Equip Building	01	44	08	4	4	3-27-61

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor	—		Power Truck	—	
Chain Hoist	1		Tractor	—	
Electric Hoist	—		Plant Railway	—	
Winch or Tugger	—		Skid	—	
Sling	—		Pallet	—	
Lifting Fixture	—		Bicycle	—	
Dolley	111		Bus	—	
Handtruck	—		Passenger Car	—	
Wheelborrow	—		Motor Truck	—	
Fork Truck	—		Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
0. Crank	24. Handrails	38. Whistle
1. Cr[illegible]ng Signals	25. Hitches	39. Other (Note in Remarks)
2. C[illegible] Signs	26. Hooks	
3. D[illegible]n Control	27. Horn	
4. Deck	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE) J. B. Bonner

REVIEWED WITH (SIGNATURE)

07 - Power Tools
08 - Materials Handling

RADIATION MONITORING AND CONTROL REPORT

Division: Maintenance
Department: K-1092
Location: K-1410 UF6 pump job

Date: 4-20-61
Checked by: B C Bunch

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
pump				50	20	—				

Action Taken: Mechanics Were well within the PAL for this job, all well equipped with necessary safety device

(over)

Approved: Clyde Jones
Operating Supervisor

DISTRIBUTION: 1st Copy - Radiation Hazards and Safety Department K-25RC
2nd Copy - Divisional Files

WCX-2191 (11-53) K-25RC Safety & Health Physics Section

RADIATION MONITORIN .ND CONTROL REPORT

Division Maintenance
Department 1000
Location K-1410

Date 3-9-61 VIL

Checked by B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft²	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft³)	Alpha Counts/min/ft³
UF-6 pump										
parts				4	—	0				

Action Taken: The above pump was shipped to K-1401 pump shop for repair.

(over)

Approved Clyde Jenny
Operating Supervisor

DISTRIBUTION: 1st Copy • Radiation Hazards and Safety Department K-25RC
2nd Copy • Divisional Files

WCX-2191 (11-53) K-25RC Safety & Health Physics Section

- 591 -

RADIATION MONITORIN ND CONTROL REPORT

Division Maintenance
Department 1002
Location K-1410

Date 3-8-64
Checked by B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
		Surface	Wipe	Surface	1 ft	Distance (ft)				
UF6 pump parts after they attempt to clean				220	—	—				

Action Taken: The above parts will be released before shipping to K-1401 pump shop.

(over)

Approved Clyde Jury
Operating Supervisor

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WCX-2191 (11-53) K-25RC Safety & Health Physics Section

RADIATION MONITORIN ND CONTROL REPORT

Division Maintenance
Department 1002
Location K-1410 DT-6 Pump dismantling

Date 2-28-61
Checked by BC Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
PUMP				6500	2000	12				

Action Taken: 19 Minutes actual working time } based on 1000 mr beta
30 " allowable " " " } dose per 2 weeks PAL
Total body.

(over)

Approved [signature]
Operating Supervisor

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-523-

2 Wore film badge
2 Total Per. Checked

2 Wore Company Coveralls, shoes, gloves
2 Total Per. Checked

No drinking, eating or smoking was observed on job.

Constant monitoring and visual observation indicated no personnel over-exposure to radiation.

B C Burrell

RADIATION MONITORIN .ND CONTROL REPORT

Division: Main Tower
Department: 1002
Location: K 1410 UF6 pump

Date: 2-13-61

Checked by: B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
Pump (opening)				10,000	2000	—				
Pump (outside)				160	40	—				

Action Taken: Recommended re-soaking of this pump before dismantling.

(over)

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Approved: Sam Trautman
Operating Supervisor

RADIATION MONITORIN .ND CONTROL REPORT

Division Maintenance
Department
Location K-1410 UF6 pumps

Date 1-27-61
Checked by B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft²	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft³)	Alpha Counts/min/ft³
pumps				40	6	—				

Action Taken: These pumps will be shipped to K-1401 for repair

(over)

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Approved [signature]
Operating Supervisor

WCX-2191 (11-53) K-25RC Safety & Health Physics Section

- 5710 -

RADIATION MONITORIN .ND CONTROL REPORT

Division Maintenance
Department 1002
Location K-1410 UF6 pump dismantling

Date 1-25-61
Checked by B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
two (2) UF6 Pumps				600	230	8				

Action Taken: 94 Minutes actual Working time } based on 500 mr per Week
132 " allowable " " } beta dose PAL

(over)

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Approved Clyde Denny
Operating Supervisor

- 577 -

2 Wore film badge
2 Total Personnel Checked

2 Wore proper respiratory equipment
2 Total Personnel Checked

* 2 Checked * Pol radiation on Coveralls and shoes
2 Total Personnel Checked

A "hazardous Work permit" Was issued for job.

No Smoking, eating or drinking Was observed on job.

Every effort was made to Keep the spread of Contamination to a minimum.

* The above two (2) Mechanics changed Coveralls and Washed their shoes to Within the Pol.

B C Burnell

RADIATION MONITORIN ND CONTROL REPORT

Division: Maintenance
Department: 1005
Location: K-1413 shop

Date: 5-22-61

Checked by: B C Burnell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
board	4	1300	150							
Collie	2	5000	750							
				Pal						
				L						

Safety and Health Physics

1961 JUN 12 PM 3:24

Action Taken: None Necessary. 2 Checks of 5 Pal radiations on hands, shoes, clothes
2 Total Personnel Checked

(over)

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WCX-2191 (11-53) K-25RC Safety & Health Physics Section

Approved: [illegible]
Operating Supervisor

RADIATION MONITORIN .ND CONTROL REPORT

Division: Maintenance
Department: 1005
Location: K-1413 Maintenance Shop

Date: 4-17-61

Checked by: B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft²	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft³)	Alpha Counts/min/ft³
floor area	10	1000	150							
Main Table	6	750	<100	<Pal						
Center of area							M-145	1:31	150	0.09

Action Taken: None Necessary. 3/3 Checks for <Pal radiation on hands, shoes, clothes
Total Personnel Checked

(over)

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Approved: [signature]
Operating Supervisor

WCX-2191 (11-53) K-25RC Safety & Health Physics Section

Safety & Health Physics
APR 17 '61

RADIATION MONITORI AND CONTROL REPORT

Division Maintenance
Department 1005
Location K-1413

Date 4-7-6 (XIII)
Checked by B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft²	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft³)	Alpha Counts/min/ft³
Floor area	120	1500	300	<pol						
Equipment	40	1850	350							

Action Taken: A Request for Decontamination issued
3 Checked for Pol radiation on hands, shoes, clothes
3 Total Personnel Checked

(over)

Approved [signature]
Operating Supervisor

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RADIATION MONITORIN ND CONTROL REPORT

Division Maintenance
Department 1002
Location K-1413 shops

Date 3-6-61
Checked by B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft²	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft³)	Alpha Counts/min/ft³
Floor area		300	<100							
Equipment		250	<100	OK						
				L						

Action Taken: None Necessary

(over)

Approved W E Nelson
Operating Supervisor

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RADIATION MONITORIN .ND CONTROL REPORT

Division Maintenance
Department 1005
Location K-1413 Maintenance Shop

Date 3-3-61
Checked by B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft²	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft³)	Alpha Counts/min/ft³
Floor area	100	1100	250		P.A.L.					
Window seal	3	1200	250	P.A.L.						
Wooden Top Tool Cabinet	3	650	<100	L						

Action Taken: Decontamination followed by recheck.
4 Checked < P.A.L. radiations on hands, shoes, clothes
4 Total Personnel Checked

(over)

Approved [signature]
Operating Supervisor

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WCX-2191 (11-53) K-25RC Safety & Health Physics Section

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RADIATION MONITORIN .ND CONTROL REPORT

Division Manufacturing
Department 1005
Location K-1413 shop

Date 2-9-61

Checked by B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
		Surface	Wipe	Surface	1 ft	Distance (ft)				
floor area	36	1250	150							
Manu table	16	950	100	<Pal.						
Tool chest top	3	700	<100							
Center of area							M-121	2:48	150	0.04

Action Taken: Decontamination followed by recheck.
3/3 Check of <Pal radiation on hands, shoes, clothes
Total Personnel Checked

(over)

Approved R Nelson
Operating Supervisor

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WCX-2191 (11-53) K-25RC Safety & Health Physics Section

-584-

RADIATION MONITORIN\ .ND CONTROL REPORT

Division Maintenance
Department 1005
Location K-1413 shop

Date 1-19-4

Checked by

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
floor area		450	<100							
equipment		500	<100							

Action Taken: None Necessary. 2/2 Checked < Pal radiation on hands, shoes, clothes
Total Personnel Checked

(over)

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WCX-2191 (11-53) K-25RC Safety & Health Physics Section

Approved J W Bishop
Operating Supervisor

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

PAGE 1 OF 6

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE
L-1413	UTILITY [illegible] 543P	61	61
IBM 1-48		49-50	51-52

AUDITED BY (SIGNATURE) [illegible]

REVIEWED WITH (SIGNATURE) [illegible]

FIXED PROTECTION (Personal - Fire) IBM

CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01	5	5	12/20/6
53 - 54	55 - 58	59 - 62	63 / 70

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Sprinkler System	1		Fire Extinguishers	2	
Emergency Exits	1		Protective Equip. Supply	1	
Emergency Station	—		P. A. System	—	
Evacuation Alarm	—		Safety Showers	—	
Eye Baths	—		Standpipes	—	
Fire Alarm Boxes	—		Other (Note in Remarks)	—	
Fire Doors	—				

PART UNSATISFACTORY

1. Container
2. Contents
3. Door
4. Fusible Link
5. Hardware
6. Hose
7. Identification Light
8. Nozzle
9. Operating Instructions
10. Piping
11. Respiratory Equipment
12. Rack
13. Rollers
14. Sprinkler Head
15. Stop Valve
16. Track
17. Unit
18. Other

UNSATISFACTORY CONDITION

1. Damaged
2. Deteriorated
3. Dirty
4. Improperly Stored
5. Inaccessible or Blocked
6. Inadequate
7. Inoperative
8. Leaking
9. Location Not Indicated
10. Missing
11. Not Labelled
12. Not Lighted
13. Not Posted
14. Out of Test Date
15. Unsealed
16. Other (Note in Remarks

REMARKS:

ENVIRONMENTAL CONTROL IBM

CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
02	15	13
53 - 54	55 - 58	59 - 62

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Cleanliness, Orderliness	2	1 (6 - 3)	Radiation (Thermal)	1	
Disposal of Scrap; Waste	2		Radiation (Arc, Ionizing)	1	
Protection of Hazardous or Flammable Refuse	1	1 (6 - 1)	Traffic Control	1	
Storage — Material and Equipment	2		Illumination	1	
Storage — Compressed Gas Cylinders	3		Ventilation	1	
Vegetation Control	—		Other (Note in Remarks)	—	

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds 2. Lunch Room 3. Office 4. Storage Area 5. Washroom 6. Work Area	1. Creates Fire Hazard 2. Dirty 3. Excessive Accumulation 4. Excessive Glare 5. Fire Lanes Blocked 6. Inadequate Barricades 7. Inadequate Insulation 8. Inadequate Sheilding 9. Inadequate Traffic Markers	10. Inadequate or Improper Ventilation Equipment 11. Inadequate Warning Signs 12. Incorrect Lighting Fixtures 13. Inoperative Equipment 14. Insufficient Illumination 15. Materials Not Stored in Designated Areas 16. Material Protruding into Aisles 17. Metal Cap Missing 18. No Containers	19. Not Properly Secured 20. Pedestrian Lanes Not Indicated 21. Poor Arrangement 22. Poorly Stacked 23. Unsafe Method Used 24. Wrong Type Container 25. Special Hazards Not Marked 26. Ventilation Equipment Not Being Used 27. Other (Note in Remarks)

REMARKS:

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

WORK SURFACES	IBM	CLASS CODE 03 (53 - 54)	NO. INSPECTED 4 (55 - 58)	NO. SATISFACTORY 4 (59 - 62)

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Cat	—		Ladder (stationery)	—	
Exit	2		Platforms	—	
Floors	1		Scaffolds	—	
Furniture	1		Stairs	—	
Ladder (portable)	—		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS	IBM	CLASS CODE 04 (53 - 54)	NO. INSPECTED 6 (55 - 58)	NO. SATISFACTORY 6 (59 - 62)

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Combustible Gas	3		Steam (Bld Ht.- Below 250 psig)	1	
Flammable Liquid	1		Steam (High Pressure - above - 250 psig)	—	
Toxic or Corrosive Liquid	—		Air	1	
Toxic or Corrosive Gas	—		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Cleaning Tank	9. Insulation	1. Broken	9. Kinked
2. Controls	10. Pipe	2. Corroded	10. Leaking
3. Couplings	11. Regulators	3. Damaged	11. Missing
4. Metal Containers	12. Safety Devices	4. Deteriorated	12. Not Pinned
5. Glass Containers	13. Tubing	5. Inadequate	13. Not Properly Identified
6. Hose	14. Valves	6. Inadequate Pressure Rating	14. Not Sealed
7. Grounding	15. Vents	7. Incorrect	15. Not Shielded
8. Guards or Supports	16. Housing	8. Inoperative	16. Plugged
	17. Other (Note in Remarks)		17. Other (Note in Remarks)

REM

03 - Work Surfaces 04 - Piping and Containers

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

ELECTRICAL	IBM	CLASS CODE 05 (53 - 54)	NO. INSPECTED 13 (55 - 58)	NO. SATISFACTORY 13 (59 - 62)

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM - CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Corded Equipment	6	(1961)
Utilization Equipment	7	(Paint - metal tag)
Other (Note in Remarks)	—	
High Voltage Equipment (Above 480 Volts)		
Disconnects		
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Box Covers
3. Conduit
4. Connectors
5. Breaker
6. Grounds
7. Ground Mats
8. Identification
9. Inspection Date and Tag
10. Insulation
11. Plugs
12. Receptacles
13. Safety Switch
14. Switch
15. Warning Signs
16. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Does Not Meet Plant Specifications
6. Exposed Terminals
7. Missing
8. Not Provided
9. Ungrounded
10. Unguarded
11. Other (Note in Remarks)

REMARKS:

WORK PRACTICES	IBM	CLASS CODE 06 (53 - 54)	NO. INSPECTED 6 (55 - 58)	NO. SATISFACTORY 5 (59 - 62)

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	1		Use of Safe Attire	1	
Use of Tools	1		Use of Personnel Portective Devices	1	
Use and Maintenance of Machines & Equipment	1		Work Habits	1	1(5) *
Use of Ionizing Radiation Sources	—				

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Use
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

* metal left from cutting, thrown into waste area — "garbage can" and started smoldering fire — reported to Bldg. operator for handling —

05 - Electrical 06 - Work Practices

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
	07	13	12
	53 - 54	55 - 58	59 - 62

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Ele wered	2	(19 [illegible])
Hand	11	1(9 – 15)
Hydraulic	—	
Pneumatic Powered	—	
Powder Actuated	—	
Laboratory Glassware	—	

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
	08	1	1
	53 - 54	55 - 58	59 - 62

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor	—		Power Truck	—	
Chain Hoist	—		Tractor	—	
Electric Hoist	—		Plant Railway	—	
Winch or Tugger	—		Skid	—	
Sling	—		Pallet	—	
Lifting Fixture	—		Bicycle	—	
Dolley	1		Bus	—	
Hand Truck	—		Passenger Car	—	
Wheelbarrow	—		Motor Truck	—	
Fork Truck	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART

1. Access Ladders	9. Couplings	17. Fittings	25. Hitches	33. Runers
2. Bell	10. Crank	18. Forks	26. Hooks	34. Switches
3. Brakes	11. Crossing Signals	19. Frame	27. Horn	35. Ties
4. Bumping Post	12. Crossing Signs	20. Glass	28. Interlocks	36. Track
5. Cable	13. Dead Man Controls	21. Grounding Connection	29. Lights	37. Wheels
6. Chain	14. Deck	22. Guards	30. Limitswitches	38. Whistle
7. Clearance Markers	15. Dog	23. Handles	31. Road Bed	39. Other (Note in Remarks)
8. Controls	16. Exhaust	24. Handrails	32. Rope	

UNSATISFACTORY CONDITION

1. Broken	5. Damaged	9. Improperly Located	13. Maintenance	17. Other (Note in Remarks)
2. Construction	6. Deteriorated	10. Inadequate	14. Missing	
3. Corroded	7. Illegible	11. Inoperative	15. Overloaded	
4. Cracked	8. Improperly Adjusted	12. Kinked	16. Protruding Fastenings	

REM[illegible]:

07 - Hand and Portable Power Tools- 08 - Materials Handling Equiment - Vehicles

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS—COMPRESSED GAS CYLINDERS	IBM	CLASS CODE 09	NO. INSPECTED	NO. SATISFACTORY
		53 - 54	55 - 58	59 - 62
			6	6

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Acc[illegible]nk	—		Freon Tank	—	
Air Receivers	—		HF Tank	—	
Boilers	—		UF_6 Containers	—	
Compressed Gas Cylinders	5		Water Storage Heaters	1	
Fluorine Tank	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Past Due
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Plugged
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Unsecured
4. Dikes	11. Shell	4. Deterioated	11. Missing	18. Other (Note in Remarks)
5. Drip Pans	12. Test	5. Inadequate	12. Not Sealed	
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Shielded	
7. Grounding or Bonding	14. Other (Note in Remarks)	7. Incorrect	14. Open Valve	

REMARKS:

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

MACHINERY AND EQUIPMENT	IBM	CLASS CODE 10	NO. INSPECTED	NO. SATISFACTORY
		53 - 54	55 - 58	59 - 62

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Be Pedestal Grinder	2		Press Brake	—	
Blower	—		Pulverizer	—	
Boring Mill	—		Pump	1	
Centrifuge	—		Saw (band - metal)	—	
Compressor	—		Saw (band - wood)	—	
Crusher	—		Saw (circular - metal)	—	
Diesels (stationary)	—		Saw (circular- -wood)	—	
Drill Press	2		Saw (jig)	—	
Fans	1		Saw (power - rip)	—	
Forming Rolls	—		Saw (radial)	—	
Gear Cutter	—		Saw (swing)	—	
Grinding Machine	—		Screw Machine	—	
Hobber	—		Shaper (metal)	—	
Jointer	—		Shaper (wood)	—	
Lathe (engine)	—		Shears	—	
Lathe (turret)	—		Slicer	—	
Lathe (woodworking)	—		Welding or Cutting Unit Oxyacetylene - Manual	2	
Mi·	—		Welding or Cutting Unit Electric - Manual	—	
Pap.. cutter	—		Welding or Cutting Unit Oxyacetylene - Automatic	—	
Planer (metal)	—		Welding or Cutting Unit Electric - Automatic	—	
Planer (wood)	—				
Power Press	—		Other (Note in Remarks)		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	12. Feed Device	23. Limit Stop	1. Broken	11. Rough
2. Blowpipe	13. Grounding	24. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (electrode)	14. Guard	25. Regulator	3. Defective	13. Valve Open
4. Cable (power)	15. Guard (belt)	26. Safety Device	4. Improperly Adjusted	14. Wrong Size or Type
5. Chip Screen	16. Guard (gears)	27. Screens	5. Improperly Located	15. Other (Note in Remarks)
6. Clamp or Vise	17. Guard (projecting stock)	28. Spindle	6. Improperly Secured	
7. Controls	18. Guard (splash)	29. Tool Rest	7. Inadequate	
8. Cylinder Cart	19. Guard (tool or die)	30. Torch	8. Inoperative	
9. Cylinder	20. Guard (wheel)	31. Wheel Dressing	9. Maintenance	
10. Dust Collector	21. Hose	32. Other (Note in Remarks)	10. Missing	
11. Flanges	22. Inspection Date and Tag			

REMARKS:

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

Page 1 of ____

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1413	Utility Shop	01	91	01	3	3	3/24/1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto. Sprinkler System	1		Fire Extinguishers	1	
Emergency Exits	11		Protective Equip. Supply		
Emergency Station			P. A. System		
Evacuation Alarm			Safety Showers		
Eye Baths			Standpipes		
Fire Alarm Boxes			Other (Note in Remarks)		
Fire Doors					

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1413	Utility Shop	01	91	02	5	3	3/24/1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	11	1*	Radiating Surfaces	—	
Illumination	1		Traffic Control	—	
Material Containment	1	1*	Ventilation	1	
Radiation			Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Areas
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:
CLEAN RAGS SHOULD BE IN METAL COVERED CONTAINERS
CAN OF CUTING OIL NEEDS IDENTIFICATION

02: OTHER THAN ABOVE THE HOUSEKEEPING IN THIS SHOP IS EXCEPTIONALLY GOOD.

AUDITED BY (SIGNATURE) [signature]

REVIEWED WITH (SIGNATURE) H. M. Shepherd

01 - Fixed Protection
02 - Environmental Control

4-25 4-4

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1413	Utility Shop	01	91	03	3	3	3/24/
1BM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED		NO. UNSATISFACTORY (PART - REASON)
Catwalks			Ladder (stationery)		
Exit	1		Platforms		
Floors	1		Scaffolds		
Furniture	1		Stairs		
Ladder (portable)			Other *(Note in Remarks)*		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other *(Note in Remarks)*
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other *(Note in Remarks)*	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1413	Utility Shop	01	91	04	0	0	
1BM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine			Steam (Bldg Ht - Below 15 psig)		
Hydrofluoric Acid			Steam (Low Pressure - 15-250 psig)		
Natural Gas			Steam (High Pressure - above 250 psig)		
Pyrofax			Other *(Note in Remarks)*		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other *(Note in Remarks)*	8. Indistinct	17. Other *(Note in Remarks)*
9. Guards or Supports		9. Inoperative	

REMARKS:

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03 - Work Surfaces
04 - Piping & Containers

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING (IBM 1-5)	LOCATION (6-45)	DIVISION CODE (46-49)	LOCATION CODE (50-51)	CLASS CODE (52-53)	NO. INSPECTED (54-57)	NO. SATISFACTORY (58-61)	DATE (62-67)
1413	Utility Shop	01	91	05	7	1	3/29/1

ITEMS INSPECTED	NO.	NO. UNSATISFACTORY (ITEM - CONDITION)
Low Voltage Equipment (Below 480 Volts)	11	
Corded Equipment	111	1 (7-6)
Utilization Equipment	11	
High Voltage Equipment (Above 480 Volts)		
Disconnects		
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
6. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING (IBM 1-5)	LOCATION (6-45)	DIVISION CODE (46-49)	LOCATION CODE (50-51)	CLASS CODE (52-53)	NO. INSPECTED (54-57)	NO. SATISFACTORY (58-61)	DATE (62-67)
1413	Utility Shop	01	91	06	4	4	3/29/1

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling		
Use of Tools	1	
Use and Maintenance of Machines & Equipment		
Use of Ionizing Radiation Sources		

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Use of Safe Attire	111	
Use of Personnel Protective Devices		
Work Habits		

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

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05 - Electrical
06 - Work Practices

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1413	Utility Shop	01	91	07	13	9	3/24/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE OF TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered	///	/// (14
Hand	~~////~~	1 (7-9)
Hydraulic		
Pneumatic Powered		
Powder Actuated		

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
				08			
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor			Power Truck		
Chain Hoist			Tractor		
Electric Hoist			Plant Railway		
Winch or Tugger			Skid		
Sling			Pallet		
Lifting Fixture			Bicycle		
Dolley			Bus		
Handtruck			Passenger Car		
Wheelbarrow			Motor Truck		
Fork Truck			Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limit switches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. C[illegible]ng Signals	25. Hitches	39. Other (Note in Remarks)
12. C[illegible]g Signs	26. Hooks	
13. D[illegible]an Control	27. Horn	
14. Deck	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

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07 - Power Tools
08 - Materials Handling

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1413	Utility Shop	01	91	09	3	3	3/29/
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Acetylene Tank			Freon Tank		
Air Receivers			HF Tank		
Boilers			UF_6 Containers		
Compressed Gas Cylinders	///		Water Storage Heaters		
Fluorine Tank			Other *(Note in Remarks)*		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other *(Note in Remarks)*
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other *(Note in Remarks)*	7. Incorrect	14. Not Shielded	

REMARKS:

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09 - Pressure Vessels & Gas Cylinders

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1413	Utility Shop	01	91	10	7	6	3/29/11
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

M E INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Arc Cutting Unit			Oxygen-Arc Cutting Unit	1	
Automatic Arc Welding Unit			Paper Cutter		
Bench or Pedestal Grinder	11	1 * √	Planer (metal)		
Blower			Planer (wood)		
Boring Mill			Power Press		
Centrifuge			Press Brake		
Compressor			Pulverizer		
Crusher			Pump	1	
Diesels (stationary)			Saw (band - metal)	1	
Drill Press	1		Saw (band - wood)		
Fans	1		Saw (circular - metal)		
Forming Rolls			Saw (circular - wood)		
Gear Cutter			Saw (jig)		
Grinding Machine			Saw (power - rip)		
Hobber			Saw (radial)		
Jointer			Saw (swing)		
Lat' gine)			Screw Machine		
Lath urret)			Shaper (metal)		
Lathe (woodworking)			Shaper (wood)		
Manual Arc Cutting Unit			Shears		
Manual Arc Welding Unit			Slicer		
Mixer			Other *(Note in Remarks)*		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other *(Note in Remarks)*
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other *(Note in Remarks)*	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:
2 Glass Shields Cracked

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10 - Machinery and Equipment

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIXED PROTECTION (1 hr.)
(Personnel - Fire)

Page 1 of ____

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1413	Utility Shop	01	91	01	3	3	2-28-1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Auto Sprinkler System	1		Fire Extinguishers	1	
Emergency Exits	1		Protective Equip. Supply	—	
Emergency Station	—		P. A. System	—	
Evacuation Alarm	—		Safety Showers	—	
Eye Baths	—		Standpipes	—	
Fire Alarm Boxes	—		Other (Note in Remarks)	—	
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1413	Utility Shop	01	91	02	3	3	2-28-1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	1		Radiating Surfaces	—	
Illumination	1		Traffic Control	—	
Material Containment	1		Ventilation	1	
Radiation	—		Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Areas
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

AUDITED BY (SIGNATURE) [signature]

REVIEWED WITH (SIGNATURE) [signature]

* - Fixed Protection
Environmental Control

36-28 0-0

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
401	Utilities Shop	01	91	03	2	2	2-28-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Catw.	—		Ladder (stationery)	—	
Exit	—		Platforms	—	
Floors	/		Scaffolds	—	
Furniture	/		Stairs	—	
Ladder (portable)	—		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
				04			
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine			Steam (Bldg Ht - Below 15 psig)		
Hydrofluoric Acid			Steam (Low Pressure - 15-250 psig)		
Natural Gas			Steam (High Pressure - above 250 psig)		
Pyrofax			Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE) [signature]

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03 - Work Surfaces
04 - Piping & Containers

SAFETY AUDIT REPORT

JCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1413	Utility Shop	01	91	05	6	3	2-28-7
BM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)	1	
Corded Equipment	111	111 (8-6)*
Utilization Equipment	11	
High Voltage Equipment (Above 480 Volts)		
Disconnects		
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
6. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

* MOSTLY ANUAL 1960

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1413				06			
BM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling		
Use of Tools		
Use and Maintenance of Machines & Equipment		
Use of Ionizing Radiation Sources		

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Use of Safe Attire		
Use of Personnel Protective Devices		
Work Habits		

No Jobs in progress 3:15 P.M.

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

EDITED BY (SIGNATURE) [signature]

REVIEWED WITH (SIGNATURE) H. M. Shopteau

05 - Electrical
06 - Work Practices

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
				07	13	9	
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE OF TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered	11	11 (6-14)
Hand	11	11 (7-9)
Hydraulic	—	
Pneumatic Powered	—	
Powder Actuated	—	

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (*Note in Remarks*)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (*Note in Remarks*)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
				08			
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor			Power Truck		
Chain Hoist			Tractor		
Electric Hoist			Plant Railway		
Winch or Tugger		NONE	Skid		
Sling			Pallet		
Lifting Fixture			Bicycle		
Dolley			Bus		
Handtruck			Passenger Car		
Wheelbarrow			Motor Truck		
Fork Truck			Other (*Note in Remarks*)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Crossing Signals	25. Hitches	39. Other (*Note in Remarks*)
12. C[illegible] Signs	26. Hooks	
13. D[illegible]n Control	27. Horn	
14. Deck	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (*Note in Remarks*)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE)	REVIEWED WITH (SIGNATURE)
[illegible]	H. M. Shepherd

07 - Power Tools
08 - Materials Handling

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1413	Utility Shop	0	91	09	2	2	2-25-7
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Acetylene Tank			Freon Tank		
Air Receivers			HF Tank		
Boilers			UF_6 Containers		
Compressed Gas Cylinders	11		Water Storage Heaters		
Fluorine Tank			Other *(Note in Remarks)*		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other *(Note in Remarks)*
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other *(Note in Remarks)*	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE) D. A. Shum

REVIEWED WITH (SIGNATURE) Hm. Shopture

09 - Pressure Vessels & Gas Cylinders

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1413	Utility Shops	01	91	10	7	6	
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Auto. Arc Cutting Unit	—		Oxygen-Arc Cutting Unit	/	
Automatic Arc Welding Unit	—		Paper Cutter	—	
Bench or Pedestal Grinder	111	1 (SHIELD GLASS BROKEN)	Planer (metal)	—	
Blower	—		Planer (wood)	—	
Boring Mill	—		Power Press	—	
Centrifuge	—		Press Brake	—	
Compressor	—		Pulverizer	—	
Crusher	—		Pump		
Diesels (stationary)	—		Saw (band - metal)		
Drill Press	/		Saw (band - wood)		
Fans	//		Saw (circular - metal)		
Forming Rolls	—		Saw (circular - wood)		
Gear Cutter	—		Saw (jig)		
Grinding Machine	—		Saw (power - rip)		
Hobber	—		Saw (radial)		
Jointer	—		Saw (swing)		
Lathe (engine)	—		Screw Machine		
,at ·et)	—		Shaper (metal)		
Lathe (woodworking)	—		Shaper (wood)		
Manual Arc Cutting Unit	—		Shears		
Manual Arc Welding Unit			Slicer		
Mixer			Other (Note in Remarks)		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
0. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

AUDITED BY (SIGNATURE) [signature]

REVIEWED WITH (SIGNATURE) R. M. Shepherd

10 - Machinery and Equipment

ALPHA CONTAMINATION AUDIT REPORT (30.19)

cation K-1414 Garage (Lunch Area Facilities) Date 12-14-61

Supervisor in Charge H.L. Bowden. Total Work Area 1380 ft²

Operations in Progress —

Protective Measures in Force —

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Index	0	0
	Area Factor (Total)	0	0
	Area Factor (Wipe)	0	0

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Floor Area					<100	
Tables & Benches					<100	

	Range Surface	(c/m) Wipe	Weighting Factor				
Class 0	*	–	0	Total ft²			13+7 – <P.A.L.
Class I	500-2000	100-500	1				
Class II	2000-10,000	500-2000	5				
ass III	>10,000	>2000	20				
			Grand Total (ft²)				

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
None Present								
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity C/M/ft^3
None Taken.						
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS:

Inspector E B Eathridge Op. Supervisor H K Brodie Date 12/14/61

JW

ALPHA CONTAMINATION AUDIT REPORT (3019)

ation K-1414 Garage Lunch Area & Facilities Date 5-25-61

Supervisor in Charge Bowden. Total Work Area 1380. ft²

Operations in Progress —

Protective Measures in Force —

SUMMARY:

ALPHA CONTAMINATION		This Survey	Last Survey
	Index	0.0	0.0
	Area Factor (Total)	0.0	0.0
	Area Factor (Wipe)	0.0	0.0

SPECIFIC LOCATION	Area (ft²) and Class of Contamination				Maximum Reading (c/m)	
	Surface		Wipe		Surface	Wipe
Floor, Tables & Benches					<100	<100

	Range (c/m) Surface	Range (c/m) Wipe	Weighting Factor	Total ft²			
Class 0	*	–	0				13+7 <P.A.L.
Class I	500-2000	100-500	1		0	0	
Class II	2000-10,000	500-2000	5		0	0	
ss III	>10,000	>2000	20		0	0	
			Grand Total (ft²)		0	0	

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Re-Re. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
None Present.								
SUMMARY: No. > P.A.L.								
No. Checked								
% Total Checks > P.A.L.								

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
Center of Area	478	2:08	10	180	0/0	0.01

SUMMARY:							
Air Samples	1	No. Taken		For Samples > P.A.L.	Total		Total 0.01
	0	No. > P.A.L.			%		Average 0.01
	—	% > P.A.L.					

REMARKS:

Inspector E. B. Ed[illegible] Op. Supervisor H. L. Bowden Date 6/3/61

RADIATION MONITORING AND CONTROL REPORT

Division: Maintenance
Department: 1009
Location: K-1414 Garage

Date: 3-14-61
Checked by: B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft²	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft³)	Alpha Counts/min/ft³
Truck #6172		<600	—	<0.3	—					
Vehicle #5215		<600	—	<0.3	—					
" #7069		<600	—	<0.3	—					
" #5294		<600	—	<0.3	—					
" #5224		<600	—	<0.3	—					

Action Taken: _____

(over)

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2nd Copy - Divisional Files

Approved: H L Bowden
Operating Supervisor

WCX-2191 (11-53) K-25RC Safety & Health Physics Section

-1008-

RADIATION MONITORIN .ND CONTROL REPORT

Division [illegible]
Department 1007
Location K-1414 [illegible]

Date 2-23-6[illegible]
Checked by [illegible]

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
195' Lift [illegible]										
21000 lbs [illegible]										
Truck #9377		2000	—	0.1	—					

Action Taken: This Truck will be [illegible] to [illegible] Dump

(over)

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WCX-2191 (11-53) K-25RC Safety & Health Physics Section

Approved [illegible]
Operating Supervisor

AFETY AUDIT REPORT
CN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

HW

ILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
4/4	GARAGE	01	41	01	8	6	8/11/64
M 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
to. Sprinkler System	1	1 **	Fire Extinguishers	11	* 1
nergency Exits	1		Protective Equip. Supply		
nergency Station	1		P. A. System		
acuation Alarm			Safety Showers		
e Baths			Standpipes		
re Alarm Boxes	1	1 (LIGHT COVERED)	Other (Note in Remarks)		
re Doors					

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
Container	10. Piping	1. Contents Not Labelled	9. Leaking
Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
Entire Unit	12. Rack	3. Deteriorated	11. Missing
Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
Nozzle	17. Other	8. Inoperative	
Operating Instructions			

EMARKS: * BUILDING BEING REPAINTED BUT AT PRESENT RED & YELLOW IDENTIFICATION FOR EXTINGUISHERS HAS NOT BEEN RESTORED.

** SOME HEADS REMAIN TO BE REPLACED AFTER INADVERTANT PAINTING //

ENVIRONMENTAL CONTROL

LDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
		01		02	12	0	8/11/64
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
usekeeping	111	1 *	Radiating Surfaces		
umination	11		Traffic Control	1	
terial Containment	111	1 **	Ventilation	1	
diation			Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Areas
Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

MARKS: * CAN LIDS NOT IN PLACE OVER COMBUSTIBLE SCRAP.
RAG DRUM OVERFULL IN WELD AREA.
** METAL UNDER TABLE PROTRUDING " "
RACKS & TRASH CAN OVERTURNED

114-96 — 7-6

ITED BY (SIGNATURE) [signature]

REVIEWED WITH (SIGNATURE) H. L. Boudreau

- Fixed Protection
- Environmental Control

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1414	GARAGE	01		03	14	13	8/11/1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED		NO. UNSATISFACTORY (PART - REASON)
Catwalks			Ladder (stationery)		
Exit	////	1 ✗	Platforms		
Floors	///		Scaffolds		
Furniture	////		Stairs		
Ladder (portable)	/		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS: LIGHT OVER DOOR

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
414	GARAGE	01		04	2	0	8/11/1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine			Steam (Bldg Ht - Below 15 psig)	/	
Hydrofluoric Acid			Steam (Low Pressure - 15 - 250 psig)		
Natural Gas			Steam (High Pressure - above 250 psig)		
Pyrofax			Other (Note in Remarks)	/	(PLANT AIR)

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE) [signature]

REVIEWED WITH (SIGNATURE) [signature]

03 - Work Surfaces
04 - Piping & Containers

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1414	GARAGE	71		05	18	15	8/11/61
M 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low ie Equipment (Belc J Volts)	~~III~~	11* (1-6)
Corded Equipment	~~IIII~~	1**
Utilization Equipment		
High Voltage Equipment (Above 480 Volts)		
Disconnects		
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
6. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS: Painters having just repainted electrical fixtures have not removed masking tape over most of the identification.

** An inspection tag is on this and several other pieces of equipment but painting has made it impossible to read date.

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1414	GARAGE	01		06	7	6	8/11/61
M 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling			Use of Safe Attire		
Use of Tools	III		Use of Personnel Protective Devices		
Use and Maintenance of Machines & Equipment			Work Habits	III	1*
Use of Ionizing Radiation Sources					

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS: Using air to clean part without wearing safety glasses

CITED BY (SIGNATURE)	REVIEWED WITH (SIGNATURE)
[illegible]	H. T. Bowden

05 - Electrical
06 - Work Practices

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
[illegible]	Kanawha	01		07	26	23	8/11/[illegible]
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE OF TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered	///	1 (11-[illegible])
Hand	~~////~~	1 (19 19)
Hydraulic		
Pneumatic Powered		
Powder Actuated		

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other *(Note in Remarks*
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other *(Note in Remarks)*
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
[illegible]	GARAGE	01		08	14	14	8/11/6[illegible]
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor			Power Truck		
Chain Hoist	1		Tractor		
Electric Hoist	1		Plant Railway		
Winch or Tugger			Skid		
Sling	~~XX~~		Pallet		
Lifting Fixture			Bicycle		
Dolley			Bus		
Handtruck	1		Passenger Car		
Wheelborrow			Motor Truck		
Fork Truck			Other *(Note in Remarks)*		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
0. Crank	24. Handrails	38. Whistle
1. C[illegible]g Signals	25. Hitches	39. Other *(Note in Remarks)*
2. C[illegible]g Signs	26. Hooks	
3. D[illegible]an Control	27. Horn	
4. Deck	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other *(Note in Remarks)*
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE) [illegible]

REVIEWED WITH (SIGNATURE) H. B. Bowden

07 - Power Tools
08 - Materials Handling

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1414	GARAGE	01		09	5	3	8/1/11
BM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Acetone Tank			Freon Tank		
Air Receivers			HF Tank		
Boilers			UF_6 Containers		
Compressed Gas Cylinders	111	111 (NOT SECURED)	Water Storage Heaters		
Fluorine Tank			Other *(Note in Remarks)*		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other *(Note in Remarks)*
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other *(Note in Remarks)*	7. Incorrect	14. Not Shielded	

REMARKS:

UITED BY (SIGNATURE) [signature]

REVIEWED WITH (SIGNATURE) [signature]

09 - Pressure Vessels & Gas Cylinders

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1414	GARAGE	01		10	15	10	8/11/
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Arc Cutting Unit			Oxygen-Arc Cutting Unit	1	
Automatic Arc Welding Unit			Paper Cutter		
Bench or Pedestal Grinder	111	11 (TOOL REST SET WIDE) 1 **	Planer (metal)		
Blower			Planer (wood)		
Boring Mill			Power Press		
Centrifuge			Press Brake		
Compressor			Pulverizer		
Crusher			Pump		
Diesels (stationary)			Saw (band - metal)		
Drill Press	1		Saw (band - wood)		
Fans	11	11 **	Saw (circular - metal)		
Forming Rolls			Saw (circular - wood)		
Gear Cutter			Saw (jig)		
Grinding Machine			Saw (power - rip)		
Hobber			Saw (radial)		
Jointer			Saw (swing)		
Lat' ngine)			Screw Machine		
Lat. urret)			Shaper (metal)		
Lathe (woodworking)			Shaper (wood)		
Manual Arc Cutting Unit	1	1 (INSPECTION TAG)	Shears		
Manual Arc Welding Unit			Slicer		
Mixer			Other (Note in Remarks)	11	

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
0. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

* PAINT STICK ON GLASS SHIELDS MAKES THEM USELESS.

** NEEDS FINE MESH GUARD FOR USE ON FLOOR.

AUDITED BY (SIGNATURE) [illegible]

REVIEWED WITH (SIGNATURE) H L Bowden

10 - Machinery and Equipment

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

Page 1 of ____

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1414	GARAGE	01	41	01	6	5	5/25/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto Sprinkler System	/		Fire Extinguishers	//	1 (34)
Emergency Exits	/		Protective Equip. Supply		
Emergency Station			P. A. System		
Evacuation Alarm			Safety Showers		
Eye Baths			Standpipes		
Fire Alarm Boxes	/		Other (Note in Remarks)		
Fire Doors	/				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS: * ONE EXTINGUISHER BLOCKING ANOTHER & ONE NOT ON HANGER

ENVIRONMENTAL CONTROL

BUILD.	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1414	GARAGE	01	41	02	8	6	5/25/6
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	////	1 (6-8)*	Radiating Surfaces		
Illumination	//		Traffic Control		
Material Containment	//	1 (2**) 1 (6-8)***	Ventilation		
Radiation			Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Areas
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:
* WIRE SLINGS ON FLOOR, MOWER BLADES PROTRUDING FROM BINS
2** WAST CAN OF COMBOSTIBLES OVERFULL and NO LID.
*** NO LID ON DRUM OF RAGS NEAR WELDING

28-60 7-6

AUDITED BY (SIGNATURE) [signature]

REVIEWED WITH (SIGNATURE) H L Boudreau

01 - Fixed Protection
02 - Environmental Control

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1414	GARAGE	01	41	03	9	9	5/25/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Car	—		Ladder (stationery)		
Exit	11		Platforms		
Floors	1		Scaffolds		
Furniture	111		Stairs		
Ladder (portable)	11		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1414	GARAGE	01	41	04	3	2	5/25/61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine			Steam (Bldg Ht - Below 15 psig)		
Hydrofluoric Acid			Steam (Low Pressure - 15-250 psig)		
Natural Gas			Steam (High Pressure - above 250 psig)		
Pyrofax			Other (Note in Remarks) PLANT AIR	111	1 (7-17) *

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

* NO SHUT-OFF AT END of HOSE.

AUDITED BY (SIGNATURE) B. F. Shinn

REVIEWED WITH (SIGNATURE) H. R. Bowden

03 - Work Surfaces
04 - Piping & Containers

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

ELECTRICAL

Page 3 of _____

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
			41	05	7	4	
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEMS INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)	IIII	11 (7-6)
Corded Equipment	IIII	IIII (8-6)
Utilization Equipment	1	1 (7-6)
High Voltage Equipment (Above 480 Volts)		
Disconnects		
Rotating Equipment		
Other (Note in Remarks)		

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
6. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

ELECTRICAL ITEMS USUALY OK EXCEPT FOR IDENTIFICATION & INSPECTION DATE & TAG.

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1414	GARAGE	01	41	06	7	6	6/25/71
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	1		Use of Safe Attire	1	
Use of Tools	III		Use of Personnel Protective Devices		
Use and Maintenance of Machines & Equipment			Work Habits	11	1 (25
Use of Ionizing Radiation Sources					

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

AUDITED BY (SIGNATURE) B. F. Shum

REVIEWED WITH (SIGNATURE) H. T. Brodnax

05 - Electrical
06 - Work Practices

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1414	GARAGE	01	41	07	17	14	5/25/
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Elec. Powered	111	1 (14)
Hand	HH HH HH III	11 (7-9) 1 (9-3)
Hydraulic		
Pneumatic Powered		
Powder Actuated		

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other *(Note in Remarks)*
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged.	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other *(Note in Remarks)*
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1414	GARAGE	01	41	08	15	15	5/25/
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor			Power Truck		
Chain Hoist	111		Tractor		
Electric Hoist	11		Plant Railway		
Winch or Tugger			Skid		
Sling	HH HH		Pallet		
Lifting Fixture			Bicycle		
Dolley	1		Bus		
Handtruck			Passenger Car		
Wheelbarrow			Motor Truck		
Fork Truck			Other *(Note in Remarks)*		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
0. Crank	24. Handrails	38. Whistle
1. Crossing Signals	25. Hitches	39. Other *(Note in Remarks)*
2. C[illegible] Signs	26. Hooks	
3. D[illegible]n Control	27. Horn	
4. Dec[illegible]	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other *(Note in Remarks)*
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE) [illegible]

REVIEWED WITH (SIGNATURE) [illegible]

07 - Power Tools
08 - Materials Handling

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1414	GARAGE	01	4	09	2	2	5/25/4
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Acet. Tank			Freon Tank		
Air Receivers			HF Tank		
Boilers			UF_6 Containers		
Compressed Gas Cylinders	//		Water Storage Heaters		
Fluorine Tank			Other *(Note in Remarks)*		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other *(Note in Remarks)*
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other *(Note in Remarks)*	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE) [signature]

REVIEWED WITH (SIGNATURE) [signature]

09 - Pressure Vessels & Gas Cylinders

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1414	GARAGE	01	41	10	7	6	5/25/1
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Arc Cutting Unit			Oxygen-Arc Cutting Unit	1	
Automatic Arc Welding Unit	1	1/14*	Paper Cutter		
Bench or Pedestal Grinder	11		Planer (metal)		
Blower			Planer (wood)		
Boring Mill			Power Press		
Centrifuge			Press Brake		
Compressor			Pulverizer		
Crusher			Pump		
Diesels (stationary)			Saw (band - metal)	1	
Drill Press	11		Saw (band - wood)		
Fans			Saw (circular - metal)		
Forming Rolls			Saw (circular - wood)		
Gear Cutter			Saw (jig)		
Grinding Machine			Saw (power - rip)		
Hobber			Saw (radial)		
Jointer			Saw (swing)		
Lath[illegible]gine)			Screw Machine		
Latt[illegible]ret)			Shaper (metal)		
Lathe (woodworking)			Shaper (wood)		
Manual Arc Cutting Unit			Shears		
Manual Arc Welding Unit			Slicer		
Mixer			Other *(Note in Remarks)*		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other *(Note in Remarks)*
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other *(Note in Remarks)*	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

* INSPECTION DATE

AUDITED BY (SIGNATURE) B. F. Shinn

REVIEWED WITH (SIGNATURE) H. N. Bowden

10 - Machinery and Equipment

ALPHA CONTAMINATION AUDIT REPORT (3005)

Location K-1435 Chem. Maint. Shop Date 10-26-61

Supervisor in Charge J. Miller Total Work Area 1200 ft²

Operations in Progress No Shop Work IN Progress.

Protective Measures in Force —

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Surface Index 53 X 2 =	106.	176.
	Area Factor (Total)	46.	78.
	Area Factor (Wipe)	—	—

SPECIFIC LOCATION	Area (ft²) and Class of Contamination: Surface		Wipe		Maximum Reading (c/m): Surface	Wipe
Floor Area.	448	I			2000	
" "	8	II			3000	
Work Benches & Storage Bins	86	I			2000	
" " " "	12	II			8000	

	Range Surface	Range (c/m) Wipe	Weighting Factor					
Class 0	*	—	0	Total ft²				β+γ < P.A.L.
Class I	500-2000	100-500	1		534			
Class II	2000-10,000	500-2000	5		20			
Class III	> 10,000	> 2000	20		0			
				Grand Total (ft²)	554			

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
None Present								
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
None Taken.						
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.					
	% > P.A.L.				%	Average

REMARKS: Decrease due to routine Clean up.

Inspector E.E. Eastridge Op. Supervisor Jack Muller Date 11-6-61

1073

JW

ALPHA CONTAMINATION AUDIT REPORT

Location K-1420 Chem. Maint Shop (3005) Date 7-11-61

Supervisor in Charge R.A. DeLoor. Total Work Area 1200. ft²

Operations in Progress Routine Maint.

Protective Measures in Force Film Badges.

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Surface Index = 88 X 2 =	176.	36.
	Area Factor (Total)	78.	17.
	Area Factor (Wipe)	—	17.

SPECIFIC LOCATION	Area (ft²) and Class of Contamination: Surface		Wipe		Maximum Reading (c/m): Surface	Wipe
Work Benches & Storage Bins	108	I			2000	
" " " "	21	II			10000	
" " " "	2.	III			>12500	
General Floor Area	805	I			1600	

	Range (c/m) Surface	Wipe	Weighting Factor					
Class 0	*	—	0	Total ft²				B + V < P.A.L.
Class I	500-2000	100-500	1		913			
Class II	2000-10,000	500-2000	5		21			
Class III	>10,000	>2000	20		2			
				Grand Total (ft²)	936			

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Ren Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
None Checked								
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
None Taken						
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.					
	% > P.A.L.				%	Average

REMARKS: Increase due to work on Contaminated equipment. Work benches have been Cleaned and Floors Painted since Survey was made

Inspector E.B. Cantrage Op. Supervisor Jack Phillips Date 7-24-61

JW

ALPHA CONTAMINATION AUDIT REPORT

cation K-1420 Elec. Maint Shop. (3018) Date 7-11-61
Supervisor in Charge T.L. Mathews Total Work Area 400 ft²
Operations in Progress No work in Progress.

Protective Measures in Force

SUMMARY:

		This Survey	Last Survey
ALPHA CONTAMINATION	Surface Index 12 X 2 =	24.	73.
	Area Factor (Total)	12	7.5
	Area Factor (Wipe)	—	65.

SPECIFIC LOCATION	Area (ft²) and Class of Contamination: Surface		Wipe		Maximum Reading (c/m): Surface	Wipe
Floor Around Storage Cabinets	36	I			1500	
" " Band Saw	8	I			1200	
" " Work Bench	4	I			1200	

	Range (c/m) Surface	Wipe	Weighting Factor	Total ft²	Surface	Wipe
Class 0	*	—	0			
Class I	500-2000	100-500	1		48	
Class II	2000-10,000	500-2000	5		0	
Class III	>10,000	>2000	20		0	
			Grand Total (ft²)		48	

13 + 7 < P.A.L.

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr)						Rem Ref. No.
		Hands	Shoes		Clothing		Gloves	
			Personal	Issue	Personal	Issue		
None Checked								
SUMMARY:	No. > P.A.L.							
	No. Checked							
	% Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
None Taken						
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS:

Inspector E. B. Eastman Op. Supervisor J. H. Gish Date 7-24-61

ALPHA CONTAMINATION AUDIT REPORT (3005)

Location K-1420 Chemical Maint. Shop Date 4-17-61

Supervisor in Charge R. A. Deboe Total Work Area 1500 ft²

Operations in Progress Routine maint.

Protective Measures in Force Foli badges and gloves.

SUMMARY:

ALPHA CONTAMINATION	This Survey	Last Survey
Index	36.	181.
Area Factor (Total)	17.	79.
Area Factor (Wipe)	17.	96.

SPECIFIC LOCATION	Area (ft²) and Class of Contamination: Surface		Wipe		Maximum Reading (c/m): Surface	Wipe
Office –						
Chairs –	6	I			1500	
Office equip –					200	
floor at desk –	6	I	12	I	700	200
Shop –						
General floor area	—	—	86	I	300	200
Equip – cabinets, tables, etc –	148	I	100	I	2000	500
" " " "	4	II	11	II	10000	600
" " " "	1	III	—	—	>15000	—

	Range (c/m) Surface	Wipe	Weighting Factor	Total ft² Surface	Wipe
Class 0	*	–	0		—
Class I	500-2000	100-500	1	140	198
Class II	2000-10,000	500-2000	5	4	11
Class III	>10,000	>2000	20	1	0
			Grand Total (ft²)	145	209

Below P.A.L.

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

-1028-

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr) Hands	Shoes Personal	Shoes Issue	Clothing Personal	Clothing Issue	Gloves	Rem Ref. No.
		300		800		400	—	
		300		3000		250	—	
SUMMARY:	0 No. > P.A.L.	0		0		0		
	6 No. Checked	2		2		2		
	— % Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity $C/M/ft^3$
West End	343	2:28	10	110	0/3	0.07
East End	344	2:41	10	120	0/2	0.09

SUMMARY:					
Air Samples	2	No. Taken	For Samples > P.A.L.	Total —	Total 0.16
	0	No. > P.A.L.		% —	Average 0.08
	0	% > P.A.L.			

REMARKS: Decrease due to clean up and painting

Inspector J B Bonnar Op. Supervisor J M Bishop Date 5-1-61

ALPHA CONTAMINATION AUDIT REPORT (3018)

:ation K-1420 Electrical Maint Shop Date 3-7-61

Supervisor in Charge T. L. Mathews Total Work Area 400 ft²

Operations in Progress Routine maint.

Protective Measures in Force None

SUMMARY:

ALPHA CONTAMINATION		This Survey	Last Survey
	Index	13.	17.
	Area Factor (Total)	7.5	3.3
	Area Factor (Wipe)	65.	7.5

SPECIFIC LOCATION	Area (ft²) and Class of Contamination: Surface		Wipe		Maximum Reading (c/m): Surface	Wipe
Office –						
Floor	18	I	4/7	I	800	300
Chairs	6	I	—	—	400	—
Shop –						
Floor & equip –	6	I	270	I	800	300

	Range Surface	(c/m) Wipe	Weighting Factor	Total ft²			Below P.A.L.
Class 0	*	–	0				
Class I	500-2000	100-500	1		30	262	
Class II	2000-10,000	500-2000	5		0	0	
ss III	> 10,000	> 2000	20		0	0	
			Grand Total (ft²)		30	262	

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr) Hands	Shoes Personal	Shoes Issue	Clothing Personal	Clothing Issue	Gloves	Re Re. No.
		1200		400		400		
		1500		2000		1250		
		600		1200		8500		
SUMMARY:	3 No. > P.A.L.	2		0		1		
	9 No. Checked	3		3		3		
	33 % Total Checks > P.A.L.							

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity C/M/ft^3
Entrance of Shop	HP 770	2:45	10	130	0/0	0.05
SUMMARY: Air Samples	1 No. Taken		For Samples > P.A.L.		Total	Total 0.05
	0 No. > P.A.L.				%	Average 0.05
	— % > P.A.L.					

REMARKS: Increase probably due to tracking

Inspector J. R. Brown Op. Supervisor J. L. Mathews Date 3-22-61

V

ALPHA CONTAMINATION AUDIT REPORT (3005)

Location K-1420 Chemical Maint. Shop - Date 1-12-61

Supervisor in Charge R. A. Dafoor Total Work Area 1200 ft²

Operations in Progress maint work -

Protective Measures in Force Film badges & gloves -

SUMMARY:

ALPHA CONTAMINATION Index	This Survey	Last Survey
Area Factor (Total)	79.	26.
Area Factor (Wipe)	96.	30.

SPECIFIC LOCATION	Area (ft²) and Class of Contamination: Surface		Wipe		Maximum Reading (c/m): Surface	Wipe
Office (110 ft²)						
Floor	30	I	84	I	800	400
Office Equip -					300	<100
Chairs	4	I	—	—	1500	-
Shop -						
Floor Area (968 ft²)	797	I	968	I	2000	400
Power Tools - (127 ft²)	117	I	97	I	2000	500
and Equip	12	II	6	II	7000	800
					B+J P.P.2.	

	Range Surface	(c/m) Wipe	Weighting Factor	Total ft²	
Class 0	*	-	0		
Class I	500-2000	100-500	1	938	1144
Class II	2000-10,000	500-2000	5	12	6
Class III	>10,000	>2000	20	0	0
			Grand Total (ft²)	950	1150

*Class 0 is area which is below the P.A.L. for surface reading but above the P.A.L. for wipe contamination.

WCX-1320 (10-53) K-25 RC SAFETY AND HEALTH PHYSICS

PERSONNEL CONTAMINATION

Name	Badge Number	Contamination - (C/M) (mrep/hr) Hands	Shoes Personal	Shoes Issue	Clothing Personal	Clothing Issue	Gloves	Re Rel. No.
		400		5000		500	2000	
		1500		6500		5000	7125000	
		400		1500		1000	3500	
		400		5000		3000	—	
SUMMARY:	5 No. > P.A.L.	1		3		1		
	16 No. Checked	4		4		4		
	31 % Total Checks > P.A.L.							

Samples Taken - 1-5-61

AIR ACTIVITY

Specific Location (give distance from equipment where applicable)	Sample Number	Time	Sampling Duration (Minutes)	Sample Volume (ft^3)	Resp. Protection No. Wearing / No. Present	Alpha Activity C/M/ft^3
West End -	29	14:11	10	80	0/3	0.71
East End -	30	14:25	10	110	0/1	0.3

SUMMARY:						
Air Samples	7	No. Taken	For Samples > P.A.L.	Total	Total	1.06
	0	No. > P.A.L.		%	Average	0.53
	—	% > P.A.L.				

REMARKS: Rise in levels due to tracking and survey being made prior to clean up. Shop is surveyed by maint personnel and cleaned routinely.

Inspector [signature] Op. Supervisor [signature] Date 1-23-61

RADIATION MONITORIN AND CONTROL REPORT

Division: Maintenance
Department: 1005
Location: K-1420 shop and office

Date: 5-26-61
Checked by: B C Bunch

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft²	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft³)	Alpha Counts/min/ft³
floor area	460	2000	300							
West work table	15	5500	450							
east work table	15	4000	450	< Pal						
Cabinet Tops	32	1000	1000							
Welding Table	14	1100	200							
stainless steel Table	6	1200	550							

Safety and Health Physics
1961 Jun 12 PM 3:25

Action Taken: A "Decontaminating Request" has been issued
1 Checked < Pal radiation on hands, shoes, clothes
1 Total Personnel Checked

(over)

DISTRIBUTION: 1st Copy - Radiation Hazards and Safety Department K-25RC
2nd Copy - Divisional Files

Approved: Jack Miller
Operating Supervisor

WCX-2191 (11-53) K-25RC Safety & Health Physics Section

- 1624 -

RADIATION MONITORIN AND CONTROL REPORT

Division: Maintenance
Department: 077
Location: K-1400 electrical shop

Date: 5-26-61 JW
Checked by: BCBurnell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
floor area	110	1700	300							
Clerical desk	6	1000	<100	<PAL						
Chair seats	9	1200	<100							
Chair pads		1400	<100							

Safety and Health Physics
1961 JUN 12 PM 3:25

Action Taken: A Decontamination Report Was issued
2 Checked <PAL radiation on hands, shoes, clothes
2 Total Personnel Checked

(over)

DISTRIBUTION: 1st Copy • Radiation Hazards and Safety Department K-25RC
2nd Copy • Divisional Files

Approved: E. E. Spralen
Operating Supervisor

2191 (11-53) K-25RC Safety & Health Physics Section

RADIATION MONITORIN(ND CONTROL REPORT

Division: Maintenance
Department: 1002
Location: K-1420 shop and office

Date: 5-19-61
Checked by: B C Burnell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft²	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft³)	Alpha Counts/min/ft³
shop area										
floor area	260	1400	450							
Work table	32	3400	1500							
stainless steel table	6	600	300	1.0	—					
equipment shelf tops	60	1100	350							
Paint Locker		72,500	1900							
office										
Chair seats	9	2700	<100							
floors	60	1200	150							

Safety and Health Physics
1961 JUN 12 PM 3:25

Action Taken: _____

(over)

Approved: Jack Mills
Operating Supervisor

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WCX-2191 (11-53) K-25RC Safety & Health Physics Section

1 Were Wearing film badges
5 Total Personnel Checked

* 3 Checked for Rad radiation on hands, shoes, clothes
5 Total Personnel Checked

* had Complete Clothing change
exchanged Contaminated gloves for
Clean ones.

B E Burrell

BHP 5-16-

RADIATION MONITORIN ND CONTROL REPORT

Division: Main tenance
Department: 1005
Location: K-1420 shop and office

Date: 4-17-61 JW
Checked by: Besunce

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
office area										
office area	36	1000	150	Pal						
Equipment		400	<100	L						
								1551 APR 17		
shop area										
									Safety & Health Physics	
east work table	16	1850	200	Pal						
West work table	16	2200	250	L						
Welding machine	2	950	100					PM 4:02		
Welding table	14	1200	200							
Tops of Cabinets	8	600	400							
east work table							M-146	2:31	165	0.06
West work table										
							M-147	3:11	180	0.04

Action Taken: A "Request for Decontamination" was issued.
6 Mechanics Checked <PAL radiation on hands, shoes, clothes
6 Total Personnel Checked

(over)

Approved: [signature]
Operating Supervisor

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WCX-2191 (11-53) K-25RC Safety & Health Physics Section

-638-

RADIATION MONITORIN ND CONTROL REPORT

Division Maintenance
Department K-1005
Location K-1420 shop

Date 4-12-68
Checked by B C Burnette

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft²	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft³)	Alpha Counts/min/ft³
Pumps				6	—	—				

Action Taken: 6 Checked 6 Had radiation on hands, shoes, clothes
6 Total Personnel Checked

(over)

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Approved [signature]
Operating Supervisor

-2191 (11-53) K-25RC Safety & Health Physics Section

Safety and Health Physics
Apr 12 11 4 01

-1029-

RADIATION MONITORIN .ND CONTROL REPORT

Division Maintenance
Department K-1935 shop and office
Location

Date 3-23-6 JW
Checked by BC Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
office										
floor area	14	1000	<100	P.A.L.						
equipment										
shop										
east work table	12	1200	250	P.A.L.						
West work table	12	1600	150							
floor area	160	2000	450							

Action Taken: Request Issued for Decontamination. (JW)

(over)

Approved Jack Miller
Operating Supervisor

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4 Checked < Pal radiation on hands, shoes, clothes
4 Total Personnel Checked

BC Burrell

RADIATION MONITORIN ND CONTROL REPORT

Division: Maintenance
Department: R. Tyro electrical shop
Location:

Date: 3-6-61
Checked by: B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
		Surface	Wipe	Surface	1 ft	Distance (ft)				
floor area		200	<100							
equipment		150	<100							

Action Taken: None necessary. 3/3 Checked for radiation on hands, shoes, clothes. Total Personnel Checked

(over)

Approved: J. L. Mathews
Operating Supervisor

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WCX-2191 (11-53) K-25RC Safety & Health Physics Section

-1044-

RADIATION MONITORING AND CONTROL REPORT

Division: Maintenance
Department: 1077
Location: K-1420 electrical shop

Date: 3-2-61

Checked by: B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
floor area	40	1400	150							
East work table	10	1250	200	PAL						
West work table	12	1250	200							
Can lid	2	600	<100							
Center of area							M-128	2:40	150	0.03

Action Taken: Decontamination followed by recheck.

(over)

Approved: J. L. Mathews
Operating Supervisor

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2191 (11-53) K-25RC Safety & Health Physics Section

-6432-

RADIATION MONITORIN .ND CONTROL REPORT

Division Main tnance
Department 1005
Location K 1420 shop and office

Date 3-2-61 JW

Checked by B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft²	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr	Sample Number	Time Started	Volume (ft³)	Alpha Counts/min/ft³
		Surface	Wipe	Surface	1 ft	Distance (ft)				
office										
floor area	15	1000	150							
chair seats		600	<100	L PAL						
shop										
West work table	16	1450	200							
east work table	12	2800	650							
floor area	160	1100	200							
equipment bins	18	900	250	L PAL						
Welding machine	2	950	150							
Welding table	4	1200	100							
Center of area							M-126	1:12	165	0.06
Welding table							M-129	1:29	150	0.1

Action Taken: * 0 Checked < PAL radiation on hands, shoes, clothes
To Total Personnel Checked
* Six (6) prs. of Contaminated gloves and two (2) prs. of shoes were replaced with clean ones. (over)

Approved Jack Walker
Operating Supervisor

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WCX-2191 (11-53) K-25RC Safety & Health Physics Section

RADIATION MONITORIN .ND CONTROL REPORT

Division Maintenance
Department 877
Location K-1420 electrical shop and office

Date 2-9-61
Checked by BC Burnell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
Shop										
floor area	40	1200	350							
Work table	32	2600	500	pa						
Waste Can lid	3	1000	<100	<						
Center of area							M-1202	2:00	225	0.1

Action Taken: Decontamination attempted followed by recheck.
2 Checked & Pat radiation on hands, shoes, clothes
3 Total Personnel Checked
This pair of contaminated gloves were exchanged (over)

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Approved E. E. Spraler
Operating Supervisor

*-2191 (11-53) K-25RC Safety & Health Physics Section

-1045-

RADIATION MONITORIN ND CONTROL REPORT

Division Maintenance
Department K-1005
Location K-1420 shop and office

Date 2-9-61
Checked by B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
office										
floor area	16	900	<100	<Pal.						
Clean seat	6	700	<100							
shop										
east work table	18	1600	300							
West work table	20	1850	250							
Cabinet Space	36	700	250	5	—	—				
drill	4	12,000	2000							
Welding table	8	900	<100							
floor area	60	850	400							
at west work table							M-119	1:30	180	0.4

Action Taken: Decontamination followed by recheck.
* 5 Checked < Pal radiation on hands, shoes, gloves
6 Total Personnel Checked
* This mechanics gloves were replaced with clean ones.

(over)

Approved Jack Blackburn
Operating Supervisor

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WCX-2191 (11-53) K-25RC Safety & Health Physics Section

RADIATION MONITORIN ND CONTROL REPORT

Division: Maintenance
Department: 1004
Location: K-1420 shop and office

Date: 2-7-61

Checked by: B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
Office area										
Floor area	4	400	<100							
Chair seats	6	1400	<100	<P.A.L.						
Shop area										
Floor area	16	1000	100							
East Work table	32	1650	200	<P.A.L.						
West Work table	32	1900	200							
Shelves	60	1300	450							
Welding table	18	1000	100							
at east Work table							M-111	1:45	225	0.05
West Work table							M-112	2:02	270	0.05

Action Taken: Decontamination followed by recheck.
3 Checked <PAL radiation on hands, shoes, clothes
3 Total Personnel Checked

(over)

Approved: Jack Miller
Operating Supervisor

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-2191 (11-53) K-25RC Safety & Health Physics Section

-1047-

RADIATION MONITORING AND CONTROL REPORT

Division Maintenance
Department
Location K-1420 electrical

Date 1-23-61 JW
Checked by BC Burnell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft²	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft³)	Alpha Counts/min/ft³
Floor area	60	1600	200							
Pipeline	18	1350	150							
Waste Cans	2	600	<100							
Misc. equipt.	14	2000	450							

Action Taken: Decontamination followed by recheck.
2 Checked & Pat radiation on shoes, clothes, hands.
2 Total Personnel Checked

(over)

Approved E. E. Spraler
Operating Supervisor

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WCX-2191 (11-53) K-25RC Safety & Health Physics Section

— 1040 —

RADIATION MONITORIN. ND CONTROL REPORT

Division Maintenance
Department K-1995
Location K-1420 shop and office

Date 1-20-61
Checked by B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft²	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft³)	Alpha Counts/min/ft³
floor area	66	1400	200							
West Work table	12	2200	400							
East Work table	10	800	400							
Stainless steel table	4	700	400							

Action Taken: Decontamination followed by recheck. 4 Checked for radiation by hand, chem, 4 Total Personnel Checked

(over)

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2nd Copy • Divisional Files

Approved J W Bishop
Operating Supervisor

-2191 (11-53) K-25RC Safety & Health Physics Section

-1049-

SAFETY AUDIT REPORT Sem [illegible]

UCN - 2021 -(1 9-60)

BUILDING (1 B M)	LOCATION (1-45)	DIVISION CODE (49-50)	LOCATION COD (51-52)
K-1420	ELECTRICAL MAINTENANCE SHOP	01	11

AUDITED BY (SIGNATURE): Neil B. Schultz

REVIEWED WITH (SIGNATURE): J. H. Gick

FIXED PROTECTION (Personal - Fire)

IBM	CLASS CODE (53 - 54)	NO. INSPECTED (55 - 58)	NO. SATISFACTORY (59 - 62)	DATE (63 - 70)
	01	5	5	11/28/6

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Sprinkler System	1		Fire Extinguishers	1	
Emergency Exits	1		Protective Equip. Supply	1	
Emergency Station	—		P. A. System	1	
Evacuation Alarm	—		Safety Showers	—	
Eye Baths	—		Standpipes	—	
Fire Alarm Boxes	—		Other (Note in Remarks)	—	
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Damaged	10. Missing
2. Contents	11. Respiratory Equipment	2. Deteriorated	11. Not Labelled
3. Door	12. Rack	3. Dirty	12. Not Lighted
4. Fusible Link	13. Rollers	4. Improperly Stored	13. Not Posted
5. Hardware	14. Sprinkler Head	5. Inaccessible or Blocked	14. Out of Test Date
6. Hose	15. Stop Valve	6. Inadequate	15. Unsealed
7. Identification Light	16. Track	7. Inoperative	16. Other (Note in Remarks
8. Nozzle	17. Unit	8. Leaking	
9. Operating Instructions	18. Other	9. Location Not Indicated	

REMARKS:

ENVIRONMENTAL CONTROL

IBM	CLASS CODE (53 - 54)	NO. INSPECTED (55 - 58)	NO. SATISFACTORY (59 - 62)
	02	9	8

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Cleanliness, Orderliness	1		Radiation (Thermal)	1	
Disposal of Scrap; Waste	1		Radiation (Arc, Ionizing)	—	
Protection of Hazardous or Flammable Refuse	1		Traffic Control	1	
Storage — Material and Equipment	1	1 (6 – 15)	Illumination	1	
Storage — Compressed Gas Cylinders	1		Ventilation	1	
Vegetation Control	—		Other (Note in Remarks)	—	

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Creates Fire Hazard	10. Inadequate or Improper Ventilation Equipment	19. Not Properly Secured
2. Lunch Room	2. Dirty	11. Inadequate Warning Signs	20. Pedestrian Lanes Not Indicated
3. Office	3. Excessive Accumulation	12. Incorrect Lighting Fixtures	21. Poor Arrangement
4. Storage Area	4. Excessive Glare	13. Inoperative Equipment	22. Poorly Stacked
5. Washroom	5. Fire Lanes Blocked	14. Insufficient Illumination	23. Unsafe Method Used
6. Work Area	6. Inadequate Barricades	15. Materials Not Stored in Designated Areas	24. Wrong Type Container
	7. Inadequate Insulation	16. Material Protruding into Aisles	25. Special Hazards Not Marked
	8. Inadequate Shelding	17. Metal Cap Missing	26. Ventilation Equipment Not Being Used
	9. Inadequate Traffic Markers	18. No Containers	27. Other (Note in Remarks)

REMARKS:

cat move (temporary) into limited, inadequate space,

01 - Fixed Protection 02 - Environmental Control

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

WORK SURFACES	IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
		03	3	3
		53 - 54	55 - 58	59 - 62

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Cat	—		Ladder (stationery)	—	
Exit	/		Platforms	—	
Floors	/		Scaffolds	—	
Furniture	/		Stairs	—	
Ladder (portable)	—		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS	IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
		04	3	3
		53 - 54	55 - 58	59 - 62

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Combustible Gas	/		Steam (Bld Ht.- Below 250 psig)	/	
Flammable Liquid	—		Steam (High Pressure - above - 250 psig)	—	
Toxic or Corrosive Liquid	—		Air	/	
Toxic or Corrosive Gas	—		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Cleaning Tank	9. Insulation	1. Broken	9. Kinked
2. Controls	10. Pipe	2. Corroded	10. Leaking
3. Couplings	11. Regulators	3. Damaged	11. Missing
4. Metal Containers	12. Safety Devices	4. Deteriorated	12. Not Pinned
5. Glass Containers	13. Tubing	5. Inadequate	13. Not Properly Identified
6. Hose	14. Valves	6. Inadequate Pressure Rating	14. Not Sealed
7. Grounding	15. Vents	7. Incorrect	15. Not Shielded
8. Guards or Supports	16. Housing	8. Inoperative	16. Plugged
	17. Other (Note in Remarks)		17. Other (Note in Remarks)

REM

03 - Work Surfaces 04 - Piping and Containers

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

ELECTRICAL	IBM	CLASS CODE 05 (53 - 54)	NO. INSPECTED 7 (55 - 58)	NO. SATISFACTORY 4 (59 - 62)

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM - CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Corded Equipment	4	
Utilization Equipment	3	3(8 — 7)
Other (Note in Remarks)	—	
High Voltage Equipment (Above 480 Volts)		
Disconnects	—	
Rotating Equipment	—	
Other (Note in Remarks)	—	

ITEMS UNSATISFACTORY

1. Boxes
2. Box Covers
3. Conduit
4. Connectors
5. Breaker
6. Grounds
7. Ground Mats
8. Identification
9. Inspection Date and Tag
10. Insulation
11. Plugs
12. Receptacles
13. Safety Switch
14. Switch
15. Warning Signs
16. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Does Not Meet Plant Specifications
6. Exposed Terminals
7. Missing
8. Not Provided
9. Ungrounded
10. Unguarded
11. Other (Note in Remarks)

REMARKS:

WORK PRACTICES	IBM	CLASS CODE 06 (53 - 54)	NO. INSPECTED 12 (55 - 58)	NO. SATISFACTORY 12 (59 - 62)

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	2		Use of Safe Attire	2	
Use of Tools	2		Use of Personnel Portective Devices	2	
Use and Maintenance of Machines & Equipment	2		Work Habits	2	
Use of Ionizing Radiation Sources	—				

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Use
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

05 - Electrical 06 - Work Practices

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS	IBM	CLASS CODE 07 (53 - 54)	NO. INSPECTED 8 (55 - 58)	NO. SATISFACTORY 8 (59 - 62)

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
El. owered	—	
Hand	8	
Hydraulic	—	
Pneumatic Powered	—	
Powder Actuated	—	
Laboratory Glassware	—	

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES	IBM	CLASS CODE 08 (53 - 54)	NO. INSPECTED 1 (55 - 58)	NO. SATISFACTORY 1 (59 - 62)

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor	—		Power Truck	—	
Chain Hoist	—		Tractor	—	
Electric Hoist	—		Plant Railway	—	
Winch or Tugger	—		Skid	—	
Sling	—		Pallet	—	
Lifting Fixture	—		Bicycle	—	
Dolley	—		Bus	—	
Hand Truck	1		Passenger Car	—	
Wheelbarrow	—		Motor Truck	—	
Fork Truck	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART

1. Access Ladders	9. Couplings	17. Fittings	25. Hitches	33. Runers
2 Bell	10. Crank	18. Forks	26. Hooks	34. Switches
3 Brakes	11. Crossing Signals	19. Frame	27. Horn	35. Ties
4. Bumping Post	12. Crossing Signs	20. Glass	28. Interlocks	36. Track
5. Cable	13. Dead Man Controls	21. Grounding Connection	29. Lights	37. Wheels
6. Chain	14. Deck	22. Guards	30. Limitswitches	38. Whistle
7. Clearance Markers	15. Dog	23. Handles	31. Road Bed	39. Other (Note in Remarks)
8. Controls	16. Exhaust	24. Handrails	32. Rope	

UNSATISFACTORY CONDITION

1. Broken	5. Damaged	9. Improperly Located	13. Maintenance	17. Other (Note in Remarks)
2. Construction	6. Deteriorated	10. Inadequate	14. Missing	
3. Corroded	7. Illegible	11. Inoperative	15. Overloaded	
4. Cracked	8. Improperly Adjusted	12. Kinked	16. Protruding Fastenings	

RE S:

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS—COMPRESSED GAS CYLINDERS	IBM	CLASS CODE 09	NO. INSPECTED 2	NO. SATISFACTORY 2
		53 - 54	55 - 58	59 - 62

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Ac. ank	—		Freon Tank	—	
Air Receivers	—		HF Tank	—	
Boilers	—		UF_6 Containers	—	
Compressed Gas Cylinders	2		Water Storage Heaters	—	
Fluorine Tank	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Past Due
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Plugged
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Unsecured
4. Dikes	11. Shell	4. Deterioated	11. Missing	18. Other (Note in Remarks)
5. Drip Pans	12. Test	5. Inadequate	12. Not Sealed	
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Shielded	
7. Grounding or Bonding	14. Other (Note in Remarks)	7. Incorrect	14. Open Valve	

REMARKS:

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

MACHINERY AND EQUIPMENT

IBM	CLASS CODE 10	NO. INSPECTED	NO. SATISFACTORY
	53 - 54	55 - 58	59 - 62
		4	4

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Be Pedestal Grinder	/		Press Brake	—	
Blower	—		Pulverizer	—	
Boring Mill	—		Pump	—	
Centrifuge	—		Saw (band - metal)	/	
Compressor	—		Saw (band - wood)	—	
Crusher	—		Saw (circular - metal)	—	
Diesels (stationary)	—		Saw (circular- -wood)	—	
Drill Press	/		Saw (jig)	—	
Fans	—		Saw (power - rip)	—	
Forming Rolls	—		Saw (radial)	—	
Gear Cutter	—		Saw (swing)	—	
Grinding Machine	—		Screw Machine	—	
Hobber	—		Shaper (metal)	—	
Jointer	—		Shaper (wood)	—	
Lathe (engine)	—		Shears	—	
Lathe (turret)	—		Slicer	—	
Lathe (woodworking)	—		Welding or Cutting Unit Oxyacetylene - Manual	/	
M	—		Welding or Cutting Unit Electric - Manual	—	
Paper Cutter	—		Welding or Cutting Unit Oxyacetylene - Automatic	—	
Planer (metal)	—		Welding or Cutting Unit Electric - Automatic	—	
Planer (wood)	—				
Power Press	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	12. Feed Device	23. Limit Stop	1. Broken	11. Rough
2. Blowpipe	13. Grounding	24. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (electrode)	14. Guard	25. Regulator	3. Defective	13. Valve Open
4. Cable (power)	15. Guard (belt)	26. Safety Device	4. Improperly Adjusted	14. Wrong Size or Type
5. Chip Screen	16. Guard (gears)	27. Screens	5. Improperly Located	15. Other (Note in Remarks)
6. Clamp or Vise	17. Guard (projecting stock)	28. Spindle	6. Improperly Secured	
7. Controls	18. Guard (splash)	29. Tool Rest	7. Inadequate	
8. Cylinder Cart	19. Guard (tool or die)	30. Torch	8. Inoperative	
9. Cylinder	20. Guard (wheel)	31. Wheel Dressing	9. Maintenance	
10. Dust Collector	21. Hose	32. Other (Note in Remarks)	10. Missing	
11. Flanges	22. Inspection Date and Tag			

REMARKS:

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
4-20	Chemical Maint Shop.	01	61	01	4	3	4-25-61
1BM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auton Sprinkler System	1		Fire Extinguishers	1.	1(3-14)
Emergency Exits	11		Protective Equip. Supply	—	
Emergency Station	—		P. A. System	—	
Evacuation Alarm	—		Safety Showers	—	
Eye Baths	—		Standpipes	—	
Fire Alarm Boxes	—		Other (Note in Remarks)		
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
4-20	Chemical Maint Shop.	01	61	02	9	8	4-25-61
1BM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	111	*1(4-5)	Radiating Surfaces	—	
Illumination	11		Traffic Control	—	
Material Containment	111		Ventilation	1	
Radiation	—		Other (Note in Remarks)	—	

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Areas
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS: Housekeeping in general looked good
* Bellows stored on edge of cement top.

AUDITED BY (SIGNATURE): [illegible]

REVIEWED WITH (SIGNATURE): J M Bishop 8764 13-9

01 - Fixed Protection
02 - Environmental Control

1. SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1420	Chemical Maint Shop -	01	61	03	10	9	4-25-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Catwalks	—		Ladder (stationery)	—	
Exit	//		Platforms	—	
Floors	///		Scaffolds	—	
Furniture	////		Stairs	—	
Ladder (portable)	1	1 #01-12	Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS: # Metal ladder in shop - use limited to Cascade type changes 1A-K-34 K-33.

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1420	Chemical Maint Shop -	01	61	04	0	0	4-25-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine	—		Steam (Bldg Ht - Below 15 psig)	—	
Hydrofluoric Acid	—		Steam (Low Pressure - 15 - 250 psig)	—	
Natural Gas	—		Steam (High Pressure - above 250 psig)	—	
Pyrofax	—		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

AUDITED BY (SIGNATURE)	REVIEWED WITH (SIGNATURE)

03 - Work Surfaces
04 - Piping & Containers

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1420	Chemical Maint Shop	01	61	05	15	11	4-25-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)	—	
Corded Equipment	4111	
Utilization Equipment	4111	3-(9-5) 1(11-5)
High Voltage Equipment (Above 480 Volts)	—	
Disconnects	—	
Rotating Equipment	—	
Other (Note in Remarks)	—	

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
5. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1420	Chemical Maint Shop.	01	61	06	13	9	4-25-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	—		Use of Safe Attire	1111	
Use of Tools	111		Use of Personnel Protective Devices	1111	3(24) 1(25)
Use and Maintenance of Machines & Equipment	11		Work Habits		
Use of Ionizing Radiation Sources	—				

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

AUDITED BY (SIGNATURE)	REVIEWED WITH (SIGNATURE)

05 - Electrical
06 - Work Practices

1058 —

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1420	Chemical Maint Shop -	01	61	07	24	20	4-25-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYPE OF TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Electric Powered	11	
Hand	~~XXXX~~ 11	- 2(5-15) - 2(9-8&10)
Hydraulic	—	
Pneumatic Powered		
Powder Actuated		

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1420	Chemical Maint Shop -	01	61	08	2	1	4-25-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor	—		Power Truck	—	
Chain Hoist	—		Tractor	—	
Electric Hoist	1		Plant Railway	—	
Winch or Tugger	—		Skid	—	
Sling	—		Pallet	—	
Lifting Fixture	—		Bicycle	—	
Dolley	—		Bus	—	
Handtruck	—		Passenger Car	—	
Wheelbarrow	—		Motor Truck 1½ T. Ford	1	1 * (See Below)
Fork Truck	—		Other (Note in Remarks)		

UNSATISFACTORY PART

1. Access Ladders	15. Dog	29. Lights
2. Bell	16. Exhaust	30. Limitswitches
3. Brakes	17. Fittings	31. Road Bed
4. Bumping Post	18. Forks	32. Rope
5. Cable	19. Frame	33. Runners
6. Chain	20. Glass	34. Switches
7. Clearance Markers	21. Grounding Connection	35. Ties
8. Controls	22. Guards	36. Track
9. Couplings	23. Handles	37. Wheels
10. Crank	24. Handrails	38. Whistle
11. Cr[illegible]ng Signals	25. Hitches	39. Other (Note in Remarks)
12. C[illegible] Signs	26. Hooks	
13. D[illegible]n Control	27. Horn	
14. Deck	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS: * Windshield Needs Replacing - Warning lights inoperative on Rear of Bed - Gas tank cap missing - Bow inoperative on Bed - No Rear view mirror - Turn indicator light not [illegible] on right side - Muffler & Tail pipe Needs Supporting.

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

07 - Power Tools
08 - Materials Handling

SAFETY AUDIT REPORT
UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
470	Chemical Maint Shop	01	61	09	5	4	4-25-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Acetylene Tank	—		Freon Tank	—	
Air Receivers	—		HF Tank	—	
Boilers	—		UF_6 Containers	—	
Compressed Gas Cylinders	4	1 (11-11)	Water Storage Heaters	—	
Fluorine Tank	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other (Note in Remarks)
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other (Note in Remarks)	7. Incorrect	14. Not Shielded	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

09 - Pressure Vessels & Gas Cylinders

SAFETY AUDIT REPORT

UCN #2021 (1 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1470	Chemical Plant Shop	01	61	10	8	8	4-25-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto. Arc Cutting Unit	—		Oxygen-Arc Cutting Unit	//	
Automatic Arc Welding Unit	—		Paper Cutter	—	
Bench or Pedestal Grinder	—		Planer (metal)	—	
Blower	—		Planer (wood)	—	
Boring Mill	—		Power Press	—	
Centrifuge	—		Press Brake	—	
Compressor	—		Pulverizer	—	
Crusher	—		Pump	—	
Diesels (stationary)	—		Saw (band - metal)	+	
Drill Press	/		Saw (band - wood)	—	
Fans	/		Saw (circular - metal)	—	
Forming Rolls	—		Saw (circular - wood)	—	
Gear Cutter	—		Saw (jig)	—	
Grinding Machine	//		Saw (power - rip)	—	
Hobber	—		Saw (radial)	—	
Jointer	—		Saw (swing)	—	
Lathe (engine)	—		Screw Machine	—	
Lathe (turret)	—		Shaper (metal)	—	
Lathe (woodworking)	—		Shaper (wood)	—	
Manual Arc Cutting Unit	—		Shears	—	
Manual Arc Welding Unit	/		Slicer	—	
Mixer			Other (Note in Remarks)		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other (Note in Remarks)
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other (Note in Remarks)	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
10. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

10 - Machinery and Equipment

SAFETY AUDIT REPORT

Semi annual

UCN - 2021 (1 9-60)

BUILDING LOCATION (IBM 1-48)	DIVISION CODE (49-50)	LOCATION CODE (51-52)
K-1420 CHEMICAL MAINTENANCE SHOP	01	61

AUDITED BY (SIGNATURE): Neil B. Schultz

REVIEWED WITH (SIGNATURE): Jack Mathis

FIXED PROTECTION (Personal - Fire)

IBM	CLASS CODE (53-54)	NO. INSPECTED (55-58)	NO. SATISFACTORY (59-62)	DATE (63-70)
	01	5	5	11/28/61

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Automatic Sprinkler System	/		Fire Extinguishers	/	
Emergency Exits	/		Protective Equip. Supply	/	
Emergency Station	—		P. A. System	/	
Evacuation Alarm	—		Safety Showers	—	
Eye Baths	—		Standpipes	—	
Fire Alarm Boxes	—		Other (Note in Remarks)	—	
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Damaged	10. Missing
2. Contents	11. Respiratory Equipment	2. Deteriorated	11. Not Labelled
3. Door	12. Rack	3. Dirty	12. Not Lighted
4. Fusible Link	13. Rollers	4. Improperly Stored	13. Not Posted
5. Hardware	14. Sprinkler Head	5. Inaccessible or Blocked	14. Out of Test Date
6. Hose	15. Stop Valve	6. Inadequate	15. Unsealed
7. Identification Light	16. Track	7. Inoperative	16. Other (Note in Remarks
8. Nozzle	17. Unit	8. Leaking	
9. Operating Instructions	18. Other	9. Location Not Indicated	

REMARKS:

ENVIRONMENTAL CONTROL

IBM	CLASS CODE (53-54)	NO. INSPECTED (55-58)	NO. SATISFACTORY (59-62)
	02	9	8

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Cleanliness, Orderliness	/		Radiation (Thermal)	/	
Disposal of Scrap; Waste	/	1(6-1)	Radiation (Arc, Ionizing)	—	
Protection of Hazardous or Flammable Refuse	/		Traffic Control	/	
Storage — Material and Equipment	/		Illumination	/	
Storage — Compressed Gas Cylinders	/		Ventilation	/	
Vegetation Control	—		Other (Note in Remarks)	—	

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Creates Fire Hazard	10. Inadequate or Improper Ventilation Equipment	19. Not Properly Secured
2. Lunch Room	2. Dirty	11. Inadequate Warning Signs	20. Pedestrian Lanes Not Indicated
3. Office	3. Excessive Accumulation	12. Incorrect Lighting Fixtures	21. Poor Arrangement
4. Storage Area	4. Excessive Glare	13. Inoperative Equipment	22. Poorly Stacked
5. Washroom	5. Fire Lanes Blocked	14. Insufficient Illumination	23. Unsafe Method Used
6. Work Area	6. Inadequate Barricades	15. Materials Not Stored in Designated Areas	24. Wrong Type Container
	7. Inadequate Insulation	16. Material Protruding into Aisles	25. Special Hazards Not Marked
	8. Inadequate Sheilding	17. Metal Cap Missing	26. Ventilation Equipment Not Being Used
	9. Inadequate Traffic Markers	18. No Containers	27. Other (Note in Remarks)

REMARKS:

Poly refuse at pipe threader.

01 - Fixed Protection 02 - Environmental Control

-1062-

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

WORK SURFACES	IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
		03	3	3
		53 - 54	55 - 58	59 - 62

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)
Cat	—		Ladder (stationery)	—	
Exit	/		Platforms	—	
Floors	/		Scaffolds	—	
Furniture	/		Stairs	—	
Ladder (portable)	—		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS	IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
		04	4	4
		53 - 54	55 - 58	59 - 62

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Combustible Gas	/		Steam (Bld Ht.- Below 250 psig)	/	
Flammable Liquid	/		Steam (High Pressure - above - 250 psig)	—	
Toxic or Corrosive Liquid	—		Air	/	
Toxic or Corrosive Gas	—		Other (Note in Remarks)	—	

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Cleaning Tank	9. Insulation	1. Broken	9. Kinked
2. Controls	10. Pipe	2. Corroded	10. Leaking
3. Couplings	11. Regulators	3. Damaged	11. Missing
4. Metal Containers	12. Safety Devices	4. Deteriorated	12. Not Pinned
5. Glass Containers	13. Tubing	5. Inadequate	13. Not Properly Identified
6. Hose	14. Valves	6. Inadequate Pressure Rating	14. Not Sealed
7. Grounding	15. Vents	7. Incorrect	15. Not Shielded
8. Guards or Supports	16. Housing	8. Inoperative	16. Plugged
	17. Other (Note in Remarks)		17. Other (Note in Remarks)

REN

03 - Work Surfaces 04 - Piping and Containers

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

ELECTRICAL	IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
		05	12	12
		53 - 54	55 - 58	59 - 62

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (ITEM - CONDITION)
Low Voltage Equipment (Below 480 Volts)		
Corded Equipment	6	1961
Utilization Equipment	6	
Other (Note in Remarks)	—	
High Voltage Equipment (Above 480 Volts)		
Disconnects	—	
Rotating Equipment	—	
Other (Note in Remarks)	—	

ITEMS UNSATISFACTORY

1. Boxes
2. Box Covers
3. Conduit
4. Connectors
5. Breaker
6. Grounds
7. Ground Mats
8. Identification
9. Inspection Date and Tag
10. Insulation
11. Plugs
12. Receptacles
13. Safety Switch
14. Switch
15. Warning Signs
16. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Does Not Meet Plant Specifications
6. Exposed Terminals
7. Missing
8. Not Provided
9. Ungrounded
10. Unguarded
11. Other (Note in Remarks)

REMARKS:

WORK PRACTICES	IBM	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY
		06	12	12
		53 - 54	55 - 58	59 - 62

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling	2		Use of Safe Attire	2	
Use of Tools	2		Use of Personnel Portective Devices	2	
Use and Maintenance of Machines & Equipment	2		Work Habits	2	
Use of Ionizing Radiation Sources	—				

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Use
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

05 - Electrical 06 - Work Practices

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS	IBM	CLASS CODE 07 (53 - 54)	NO. INSPECTED 10 (55 - 58)	NO. SATISFACTORY 10 (59 - 62)

TYPE TOOL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Ele[illegible]owered	2	
Hand	8	
Hydraulic	—	
Pneumatic Powered	—	
Powder Actuated	—	
Laboratory Glassware	—	

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES	IBM	CLASS CODE 08 (53 - 54)	NO. INSPECTED 1 (55 - 58)	NO. SATISFACTORY 1 (59 - 62)

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor	—		Power Truck	—	
Chain Hoist	—		Tractor	—	
Electric Hoist	—		Plant Railway	—	
Winch or Tugger	—		Skid	—	
Sling	—		Pallet	—	
Lifting Fixture	1		Bicycle	—	
Dolley	—		Bus	—	
Hand Truck	—		Passenger Car	—	
Wheelbarrow	—		Motor Truck	—	
Fork Truck	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART

1. Access Ladders	9. Couplings	17. Fittings	25. Hitches	33. Runers
2. Bell	10. Crank	18. Forks	26. Hooks	34. Switches
3. Brakes	11. Crossing Signals	19. Frame	27. Horn	35. Ties
4. Bumping Post	12. Crossing Signs	20. Glass	28. Interlocks	36. Track
5. Cable	13. Dead Man Controls	21. Grounding Connection	29. Lights	37. Wheels
6. Chain	14. Deck	22. Guards	30. Limitswitches	38. Whistle
7. Clearance Markers	15. Dog	23. Handles	31. Road Bed	39. Other (Note in Remarks)
8. Controls	16. Exhaust	24. Handrails	32. Rope	

UNSATISFACTORY CONDITION

1. Broken	5. Damaged	9. Improperly Located	13. Maintenance	17. Other (Note in Remarks)
2. Construction	6. Deteriorated	10. Inadequate	14. Missing	
3. Corroded	7. Illegible	11. Inoperative	15. Overloaded	
4. Cracked	8. Improperly Adjusted	12. Kinked	16. Protruding Fastenings	

RE[illegible]S:

07 - Hand and Portable Power Tools- 08 - Materials Handling Equiment - Vehicles

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS—COMPRESSED GAS CYLINDERS	IBM	CLASS CODE 09 (53 - 54)	NO. INSPECTED 2 (55 - 58)	NO. SATISFACTORY 2 (59 - 62)

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Acetylene Tank	—		Freon Tank	—	
Air Receivers	—		HF Tank	—	
Boilers	—		UF_6 Containers	—	
Compressed Gas Cylinders	2		Water Storage Heaters	—	
Fluorine Tank	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Past Due
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Plugged
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Unsecured
4. Dikes	11. Shell	4. Deterioated	11. Missing	18. Other (Note in Remarks)
5. Drip Pans	12. Test	5. Inadequate	12. Not Sealed	
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Shielded	
7. Grounding or Bonding	14. Other (Note in Remarks)	7. Incorrect	14. Open Valve	

REMARKS:

SAFETY AUDIT REPORT

UCN - 2021 (1 9-60)

MACHINERY AND EQUIPMENT	IBM	CLASS CODE 10	NO. INSPECTED 5	NO. SATISFACTORY 5
		53 - 54	55 - 58	59 - 62

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Be Pedestal Grinder	/		Press Brake	—	
Blower	—		Pulverizer	—	
Boring Mill	—		Pump	—	
Centrifuge	—		Saw (band - metal)	—	
Compressor	—		Saw (band - wood)	—	
Crusher	—		Saw (circular - metal)	—	
Diesels (stationary)	—		Saw (circular- -wood)	—	
Drill Press	/		Saw (jig)	—	
Fans	/		Saw (power - rip)	—	
Forming Rolls	—		Saw (radial)	—	
Gear Cutter	—		Saw (swing)	—	
Grinding Machine	/		Screw Machine	—	
Hobber	—		Shaper (metal)	—	
Jointer	—		Shaper (wood)	—	
Lathe (engine)	—		Shears	—	
Lathe (turret)	—		Slicer	—	
Lathe (woodworking)	—		Welding or Cutting Unit Oxyacetylene - Manual	/	
Mi	—		Welding or Cutting Unit Electric - Manual	—	
Paper cutter	—		Welding or Cutting Unit Oxyacetylene - Automatic	—	
Planer (metal)	—		Welding or Cutting Unit Electric - Automatic	—	
Planer (wood)	—				
Power Press	—		Other (Note in Remarks)	—	

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
1. Anti Kickbacks	12. Feed Device	23. Limit Stop	1. Broken	11. Rough
2. Blowpipe	13. Grounding	24. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (electrode)	14. Guard	25. Regulator	3. Defective	13. Valve Open
4. Cable (power)	15. Guard (belt)	26. Safety Device	4. Improperly Adjusted	14. Wrong Size or Type
5. Chip Screen	16. Guard (gears)	27. Screens	5. Improperly Located	15. Other (Note in Remarks)
6. Clamp or Vise	17. Guard (projecting stock)	28. Spindle	6. Improperly Secured	
7. Controls	18. Guard (splash)	29. Tool Rest	7. Inadequate	
8. Cylinder Cart	19. Guard (tool or die)	30. Torch	8. Inoperative	
9. Cylinder	20. Guard (wheel)	31. Wheel Dressing	9. Maintenance	
10. Dust Collector	21. Hose	32. Other (Note in Remarks)	10. Missing	
11. Flanges	22. Inspection Date and Tag			

REMARKS:

SAFETY AUDIT REPORT 1 3/4 hrs.

UCN-2021 (1 9-60)

FIXED PROTECTION
(Personnel - Fire)

Page 1 of ____

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01420	Electrical Maint Shop	01	11	01	1	1	3-21-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	ITEM INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto. Sprinkler System	—		Fire Extinguishers	1	
Emergency Exits	—		Protective Equip. Supply	—	
Emergency Station	—		P. A. System	—	
Evacuation Alarm	—		Safety Showers	—	
Eye Baths	—		Standpipes	—	
Fire Alarm Boxes	—		Other (Note in Remarks)	—	
Fire Doors	—				

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Container	10. Piping	1. Contents Not Labelled	9. Leaking
2. Door	11. Respiratory Equipment	2. Damaged	10. Location Not Indicated
3. Entire Unit	12. Rack	3. Deteriorated	11. Missing
4. Fusible Link	13. Rollers	4. Dirty	12. Operating Instructions Not Posted
5. Hardware	14. Track	5. Improperly Stored	13. Out of Test Date
6. Hose	15. Sprinkler Head	6. Inaccessible or Blocked	14. Unsealed
7. Identification Light	16. Stop Valve	7. Inadequate	15. Other (Note in Remarks)
8. Nozzle	17. Other	8. Inoperative	
9. Operating Instructions			

REMARKS:

ENVIRONMENTAL CONTROL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01420	Electrical Maint. Shop	01	11	02	5	5	3-21-61
BM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)	CONDITIONS CHECKED	NO.	NO. UNSATISFACTORY (CONDITION)
Housekeeping	1	1 (6-2)	Radiating Surfaces	—	
Illumination	1		Traffic Control	1	
Material Containment	1	1 (6-8)	Ventilation	1	
Radiation	—		Other (Note in Remarks)		

TYPE OF LOCATION	UNSATISFACTORY CONDITION		
1. Grounds	1. Accumulation of Combustibles	9. Inadequate Shielding	16. Materials Not Stored in Designated Areas
2. Lunch Room	2. Accumulation of Scrap	10. Inadequate Traffic Markers	17. Material Protruding into Aisles
3. Office	3. Excessive Dust	11. Inadequate or Improper Ventilation Equipment	18. Pedestrian Lanes Not Indicated
4. Storage Area	4. Excessive Glare	12. Inadequate Warning Signs	19. Special Hazards Not Marked or Illuminated
5. Washroom	5. Fire Lanes Blocked	13. Incorrect Lighting Fixtures	20. Ventilation Equipment Not Being Used
6. Work Area	6. Inadequate Barricades	14. Inoperative Equipment	21. Other (Note in Remarks)
	7. Inadequate Insulation	15. Insufficient Illumination	
	8. Inadequate Material Storage		

REMARKS:

AUDITED BY (SIGNATURE) H E Marshall

REVIEWED WITH (SIGNATURE) J. H. Gick

01 - Fixed Protection
02 - Environmental Control

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

WORK SURFACES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01420	Electrical Maint Shop	01	11	03	4	4	3-21-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SURFACES CHECKED	NO.	NO. UNSATISFACTORY (PART - REASON)	SURFACES CHECKED		NO. UNSATISFACTORY (PART - REASON)
Catv.	—		Ladder (stationery)	—	
Exit	/		Platforms	—	
Floors	/		Scaffolds	—	
Furniture	//		Stairs	—	
Ladder (portable)	—		Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Anchorage	12. Non Slip Feet	1. Broken	12. Not Well Marked
2. Barricades	13. Side Rails	2. Cracked	13. Overload
3. Braces	14. Spreaders	3. Damaged	14. Slippery
4. Cage	15. Steps or Rungs	4. Defective	15. Splintered
5. Drainage	16. Surface	5. Inaccessible or Blocked	16. Split
6. Entire Unit	17. Toeboard	6. Inadequate	17. Wobbly
7. Extension Lock	18. Tread	7. Inoperative	18. Worn
8. Fastenings	19. Trench Cover	8. Loose	19. Other (Note in Remarks)
9. Foundation	20. Uprights	9. Missing	
10. Handrails	21. Other (Note in Remarks)	10. Not Clearly Visible	
11. Hinges		11. Not Well Illuminated	

REMARKS:

PIPING AND CONTAINERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
				04			
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)	SERVICE	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Fluorine			Steam (Bldg Ht - Below 15 psig)		
Hydrofluoric Acid			Steam (Low Pressure - 15 - 250 psig)		
Natural Gas			Steam (High Pressure - above 250 psig)		
Pyrofax			Other (Note in Remarks)		

PART UNSATISFACTORY		UNSATISFACTORY CONDITION	
1. Carboys	10. Identification	1. Broken	10. Kinked
2. Cleaning Tank	11. Insulation	2. Corroded	11. Leaking
3. Controls	12. Pipe	3. Damaged	12. Missing
4. Couplings	13. Safety Devices	4. Deteriorated	13. Not Pinned
5. Drums	14. Tubing	5. Inadequate	14. Not Sealed
6. Glassware	15. Vents	6. Inadequate Pressure Rating	15. Not Shielded
7. Hose	16. Housing	7. Incorrect	16. Plugged
8. Grounding	17. Other (Note in Remarks)	8. Indistinct	17. Other (Note in Remarks)
9. Guards or Supports		9. Inoperative	

REMARKS:

— 6069 —

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

03 - Work Surfaces
04 - Piping & Containers

SAFETY AUDIT REPORT

JCN-2021 (1 9-60)

ELECTRICAL

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01420	Electrical Maint Shop	01	11	05	3	3	3-27-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

IT INSPECTED	NO.	NO. UNSATISFACTORY (ITEM-CONDITION)
Low Voltage Equipment (Below 480 Volts)	—	
Corded Equipment	11	
Utilization Equipment	1	
High Voltage Equipment (Above 480 Volts)	—	
Disconnects	—	
Rotating Equipment	—	
Other (Note in Remarks)	—	

ITEMS UNSATISFACTORY

1. Boxes
2. Conduit
3. Connectors
4. Breaker
5. Grounds
6. Ground Mats
7. Identification
8. Inspection Date and Tag
9. Insulation
10. Plugs
11. Receptacles
12. Safety Switch
13. Switch
14. Warning Signs
15. Other (Note in Remarks)

UNSATISFACTORY CONDITION

1. Broken
2. Cracked
3. Damaged
4. Deteriorated
5. Identification
5. Does Not Meet Plant Specifications
7. Not Provided
8. Ungrounded
9. Unguarded

REMARKS:

WORK PRACTICES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
				06			
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)	PRACTICES OBSERVED	NO.	NUMBER UNSAFE (BECAUSE)
Materials Handling			Use of Safe Attire		
Use of Tools			Use of Personnel Protective Devices		
Use and Maintenance of Machines & Equipment			Work Habits		
Use of Ionizing Radiation Sources					

UNSAFE ACT OBSERVED

1. Suspended Load Carried Over Employees
2. Failed to Use Crane Hand Signals
3. Failed to Use Warning Device
4. Regularly Used Limit Switch to Stop Motion
5. Materials Stored, Mixed, or Combined to Create a Hazard
6. Flammables Handled in Unapproved Safety Can
7. Incorrect Tool Used
8. Unsafe Tool Used
9. Tool Used Improperly
10. Machine Operated at Unsafe Speed
11. Machine Left Running Unattended
12. Operating With Safety Device Removed
13. Incorrect Safety Device Used
14. Operating With Safety Device Improperly Adjusted
15. Respiratory Protection Not Worn
16. Improper Respiratory Protection Worn
17. Machine Operating during Cleaning, Adjusting, Oiling, Calipering or Refueling
18. Working on Equipment Not Secured Against Unexpected Operation
19. Passenger Permitted to Ride in Unsafe Manner
20. Operable Radiation Survey Meter Not at Job Site
21. Work Permit Issued to Allow Entrance to Vessel or Enclosure, when Unsafe Because of Temperature, Gases or Electric Hazards
22. Entrance Made (Under Unsafe Act No. 21)
23. Welded, Packed, Gasketed or Caulked Equipment Under Pressure
24. Film Badge Not Worn
25. Eye Protection Not Worn
26. Improper Eye Protection
27. Hard Hats Not Worn
28. Gloves Not Worn
29. Smoking in Posted Areas
30. Eating in Posted Areas

REMARKS:

—670—

AUDITED BY (SIGNATURE)	REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

HAND AND PORTABLE POWER TOOLS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01420	Electrical Maint Shop	01	11	07	7	6	3-21-1'
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

TYP OL INSPECTED	NO.	NO. UNSATISFACTORY (KIND - CONDITION)
Elec. Powered	1	1 (6-14)
Hand	~~HH~~	
Hydraulic	—	
Pneumatic Powered	—	
Powder Actuated	—	

UNSATISFACTORY TOOL

1. Axe	10. Hatchet	19. Screwdriver
2. Buffer	11. Impact Wrench	20. Shears
3. Cable Cutter	12. Jack	21. Soldering Iron
4. Chipper	13. Knife	22. Stud Driver
5. Chisel	14. Nail Puller	23. Tongs
6. Drill	15. Pliers	24. Wire Brush
7. File	16. Punch	25. Wrench
8. Grinder	17. Sander	26. Other (Note in Remarks)
9. Hammer	18. Saw	

UNSATISFACTORY CONDITION

1. Broken	7. Handle Broken	13. Improper Storage	19. Plug Broken
2. Cracked	8. Handle Loose	14. Inspection Date and Tag	20. Spread Jaws
3. Damaged	9. Handle Missing	15. Mushroomed Head	21. Worn
4. Dull	10. Handle Rough	16. Insulation Broken	22. Worn Jaws
5. Edge Not Guarded	11. Improper Angle on Cutting Edge	17. No Handle Guard	23. Other (Note in Remarks)
6. Guarding	12. Improper Ground	18. No Locking Pin	

REMARKS:

MATERIALS HANDLING EQUIPMENT - VEHICLES

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1420	Electrical Maint. Shop	01	11	08	1	1	3-21-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Conveyor	—		Power Truck	—	
Chain Hoist	—		Tractor	—	
Electric Hoist	—		Plant Railway	—	
Winch or Tugger	—		Skid	—	
Sling	—		Pallet	—	
Lifting Fixture	—		Bicycle	—	
Dolley	—		Bus	—	
Handtruck	1		Passenger Car	—	
Wheelbarrow	—		Motor Truck	—	
Fork Truck	—		Other (Note in Remarks)		

UNSATISFACTORY PART

. Access Ladders	15. Dog	29. Lights
. Bell	16. Exhaust	30. Limitswitches
. Brakes	17. Fittings	31. Road Bed
. Bumping Post	18. Forks	32. Rope
. Cable	19. Frame	33. Runners
. Chain	20. Glass	34. Switches
. Clearance Markers	21. Grounding Connection	35. Ties
. Controls	22. Guards	36. Track
. Couplings	23. Handles	37. Wheels
. Crank	24. Handrails	38. Whistle
. Crossing Signals	25. Hitches	39. Other (Note in Remarks)
. C] Signs	26. Hooks	
. D n Control	27. Horn	
. Deck	28. Interlocks	

UNSATISFACTORY CONDITION

1. Broken	15. Overloaded
2. Construction	16. Protruding Fastenings
3. Corroded	17. Other (Note in Remarks)
4. Cracked	
5. Damaged	
6. Deteriorated	
7. Illegible	
8. Improperly Adjusted	
9. Improperly Located	
10. Inadequate	
11. Inoperative	
12. Kinked	
13. Maintenance	
14. Missing	

REMARKS:

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

07 - Power Tools
08 - Materials Handling

SAFETY AUDIT REPORT

UCN-2021 (1 9-60)

FIRED AND UNFIRED PRESSURE VESSELS - COMPRESSED GAS CYLINDERS

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
01420	Electrical / Maint Shop	01	11	09	2	2	3-21-61
1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)	EQUIPMENT INSPECTED	NO.	NO. UNSATISFACTORY (PART-CONDITION)
Acet. Tank	—		Freon Tank	—	
Air Receivers	—		HF Tank	—	
Boilers	—		UF_6 Containers	—	
Compressed Gas Cylinders	11		Water Storage Heaters	—	
Fluorine Tank	—		Other *(Note in Remarks)*		

UNSATISFACTORY PART		UNSATISFACTORY CONDITION		
1. Appliances	8. Identification	1. Broken	8. Indistinct	15. Open Valve
2. Area Posting	9. Interlocks	2. Corroded	9. Inoperative	16. Past Due
3. Controls	10. Safety Devices	3. Damaged	10. Leaking	17. Plugged
4. Dikes	11. Storage	4. Deteriorated	11. Metal Cap Missing	18. Unsecured
5. Drip Pans	12. Test	5. Inadequate	12. Missing	19. Other *(Note in Remarks)*
6. Gage Glass	13. Vents	6. Inadequate Pressure Rating	13. Not Sealed	
7. Grounding or Bonding	14. Other *(Note in Remarks)*	7. Incorrect	14. Not Shielded	

REMARKS:

-1072-

AUDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

SAFETY AUDIT REPORT

UCN-2021 (1 . 9-60)

MACHINERY AND EQUIPMENT

BUILDING	LOCATION	DIVISION CODE	LOCATION CODE	CLASS CODE	NO. INSPECTED	NO. SATISFACTORY	DATE
1420	Electrical Maint Shop	01	11	10	3	2	3-21-61
IBM 1-5	6-45	46-49	50-51	52-53	54-57	58-61	62-67

MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)	MACHINE INSPECTED	NO.	NO. UNSATISFACTORY (PART - CONDITION)
Auto. .c Arc Cutting Unit	—		Oxygen-Arc Cutting Unit	—	
Automatic Arc Welding Unit	—		Paper Cutter	—	
Bench or Pedestal Grinder	1	1-(26-5)	Planer (metal)	—	
Blower	—		Planer (wood)	—	
Boring Mill	—		Power Press	—	
Centrifuge	—		Press Brake	—	
Compressor	—		Pulverizer	—	
Crusher	—		Pump	—	
Diesels (stationary)	—		Saw (band - metal)	1	
Drill Press	1		Saw (band - wood)	—	
Fans	—		Saw (circular - metal)	—	
Forming Rolls	—		Saw (circular - wood)	—	
Gear Cutter	—		Saw (jig)	—	
Grinding Machine	—		Saw (power - rip)	—	
Hobber	—		Saw (radial)	—	
Jointer	—		Saw (swing)	—	
Lathe (engine)	—		Screw Machine	—	
Lat ret)	—		Shaper (metal)	—	
Lathe (woodworking)	—		Shaper (wood)	—	
Manual Arc Cutting Unit	—		Shears	—	
Manual Arc Welding Unit	—		Slicer	—	
Mixer	—		Other *(Note in Remarks)*		

UNSATISFACTORY PART			UNSATISFACTORY CONDITION	
. Anti Kickbacks	11. Feed Device	21. Limit Stop	1. Broken	11. Rough
2. Cable (electrode)	12. Grounding	22. Lockout Device	2. Damaged	12. Sharp Edged
3. Cable (power)	13. Guard (belt)	23. Safety Device	3. Defective	13. Wrong Size or Type
4. Chip Screen	14. Guard (gears)	24. Screens	4. Chip Screen	14. Other *(Note in Remarks)*
5. Clamp or Vise	15. Guard (projecting stock)	25. Spinde	5. Improperly Adjusted	
6. Controls	16. Guard (splash)	26. Tool Rest	6. Improperly Located	
7. Cylinder Cart	17. Guard (tool or die)	27. Wheel Dressing	7. Inadequate	
8. Cylinder Securing	18. Guard (wheel)	28. Other *(Note in Remarks)*	8. Inoperative	
9. Dust Collector	19. Hose		9. Maintenance	
0. Flanges	20. Inspection Date and Tag		10. Missing	

REMARKS:

UDITED BY (SIGNATURE)

REVIEWED WITH (SIGNATURE)

-673-

1. ~~A7B~~ ASD
2. Filing (Records)

JOB AUDIT OF
SEEDING AND FERTILIZING OF K-1007 AREA

5-8-61

1. The two employees observed wore safety glasses as eye protection.
2. Bags of fertilizer were handled satisfactorily and were dumped into spreader hopper with a minimum of dust.
3. All vehicles were operated at a safe speed with no unauthorized riders.
4. The chair attached to the hinged lid of the spreader was adequately secured; however, the lid was secured to the hopper with only one slip latch which with very little effort would unlatch and should the machine stop short, the lid and chair could swing forward toward the tractor. The employee riding the chair faces toward the rear and operates a cyclone seeder and his only means of staying in the chair is having his feet in the rope stirrup.

The above unsatisfactory condition was discussed with Grounds supervision, and a safety chain will be installed to positively secure the lid to the hopper and a safety device across the arms of the chair will be provided to insure that the rider will not fall out.

H. E. Marshall:la

5/11/61

RADIATION MONITORIN. ND CONTROL REPORT

Division Maintenance
Department 1907
Location Vehicle Check

Date 3-29-61
Checked by B C Burrell

Procedure: (1) Check instrument calibration; (2) Record all alpha contamination readings above the P.A.L.; (3) If all readings are less than the P.A.L., record the highest reading obtained; (4) For Beta + Gamma Radiation and Airborne Activity, record as indicated below.

Area or Equipment Checked	Approx. Area Contam. ft2	Alpha Counts/Minute		Beta + Gamma Radiation			Airborne Activity Samples			
				mrep/hr		7.5 mrep/hr				
		Surface	Wipe	Surface	1 ft	Distance (ft)	Sample Number	Time Started	Volume (ft3)	Alpha Counts/min/ft3
16 Process Vehicles				<0.3	—	—				

Action Taken: None Necessary.

(over)

Approved W. H. Tucker
Operating Supervisor

DISTRIBUTION: 1st Copy - Radiation Hazards and Safety Department K-25RC
2nd Copy - Divisional Files

WCX-2191 (11-53) K-25RC Safety & Health Physics Section

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