1442

HISTORICAL HEALTH PHYSICS DATA
DATING FROM ABOUT 1952 THROUGH 1971

SUMMARY SHEETS OF:

MATERIAL RELEASES
ALPHA CONTAMINATION LEVELS
FILM BADGE DATA
PENETRATING RADIATION LEVELS
LONG-TERM AIR DATA
SPOT AIR DATA
WATER SAMPLE DATA
MUD SAMPLE DATA
SAFETY AUDIT DATA

Oak Ridge K-25 Site
Oak Ridge, Tennessee 37831-7314
managed by
MARTIN MARIETTA 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:

Technical Information Officer — Date 4/18/95
Oak Ridge K-25 Site

BETA-GAMMA RADIATION AUDIT REPORT

Location Vault. 2X Date 5-16-57

Supervisor in Charge J.W. Arendt. Total Work Area 4700 ft^2

Operations in Progress

Protective Measures in Force

SUMMARY

RADIATION		This Survey	Last Survey
	$\beta+\gamma$ Index	31.	35.
	$\beta+\gamma$ Area Factor	26.	14.
	γ Area Factor	26.	14.

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
South Side.									
Ash Receivers & drums.	8	50	II	50	II	160	160	90	90
" " " "		726	I	726	I	37.5	37.5	—	—
North Side.									
Ash Receivers & drums	8	462	I	462	I	37.5	37.5	20	20

	Range mrep/hr	Weighting Factor			
Class I	7.5 - 37.5	1	Total ft^2	1188	1188
Class II	37.5 - 300	5		50	50
Class III	300 - 3000	40		0	0
Class IV	> 3000	400		0	0
		Grand Total (ft^2)		1238	1238

Maximum Reading $\beta+\gamma$ 90

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 $C/M/ft^3$
Sr. alpha survey.						
SUMMARY: Air Samples	No. Taken		For Samples > P.A.L.		Total	Total
	No. > P.A.L.				%	Average
	% > P.A.L.					

REMARKS:

Inspector J. E. Kelly Op. Supervisor [illegible] Date [illegible]

ALPHA CONTAMINATION AUDIT REPORT

Location: Vault 1X. Date: 5-16-57

Supervisor in Charge: J.W. Arendt. Total Work Area: 4700 ft²

Operations in Progress:

Protective Measures in Force: Radiation tags on ash receivers.

SUMMARY:

ALPHA CONTAMINATION	This Survey	Last Survey
Index	634	878
Area Factor (Total)	92.	98.
Area Factor (Wipe)	94.	97.

SPECIFIC LOCATION	Area (ft²) and Class of Contamination: Surface		Wipe		Maximum Reading (c/m): Surface	Wipe
Truck Alley.						
Floor.	1038	I	840	I	2000	500
"	395	II	663	II	8000	1000
North Side						
Floor, drums & Receivers	923	I	912	I	2000	500
" " "	488	II	520	II	10,000	2000
" " "	116	III	84	III	12,500	6000
South Side.						
Floor, drums, & Receivers.	648	I	1-63	I	2000	500
" " "	668	II	598	II	1000	2000
" " "	18	III	117	III	12,500	6000

	Range Surface	(c/m) Wipe	Weighting Factor	Total ft²		
Class 0	*	–	0			
Class I	500-2000	100-500	1		2607	2415
Class II	2000-10,000	500-2000	5		1851	1771
Class III	> 10,000	> 2000	20		204	201
			Grand Total (ft²)		4364	4397

*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		
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 $C/M/ft^3$
[illegible]	397	9:58	10	140	0/0	
" " L 32 " "	398	9:12	10	140	0/0	
" " H 27	399	1:21	10	160	0/0	
" " L 24	400	11.32	10	160	0/0	
Patrol 5-20-57						
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

HEM

ALPHA CONTAMINATION AUDIT REPORT

Location: Vault 15A Date: 3-19-57

Supervisor in Charge: J.W. Arendt Total Work Area: 12,600 ft²

Operations in Progress: Swearing the Floor.

Protective Measures in Force: Complete clothing change, film badge & gloves.

SUMMARY:

ALPHA CONTAMINATION		This Survey	Last Survey
	Index	353	306
	Area Factor (Total)	76	73
	Area Factor (Wipe)	67	64

SPECIFIC LOCATION	Area (ft²) and Class of Contamination: Surface		Wipe		Maximum Reading (c/m): Surface	Wipe
North Side						
Floor, drums & Buckets.	2480	I	2632	I	2000	500
" " "	527	II	376	II	7000	1600
" " "	248	III			>12,500	
Motor Alley						
Floor area.	1485	I	1276	I	2000	500
" "	540	II	336	II	10000	1200
" "	135	III	27	III	>12,500	3500
South Side.						
Floor, drums & Buckets.	2575	I	3250	I	2000	500
" " "	943	II	425	II	10,000	2000
" " "	297	III	64	III	>12,500	3000

	Range (c/m) Surface	Wipe	Weighting Factor		Surface	Wipe
Class 0	*	–	o	Total ft²		
Class I	500-2000	100-500	1		6540	7178
Class II	2000-10,000	500-2000	5		2010	1167
Class III	> 10,000	> 2000	20		680	71
				Grand Total (ft²)	9230	8436

*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 $C/M/ft^3$
[illegible] 29.K	230	12:15	10	120	0/0	0.05
" " 20.L	231	12:30	10	120	0/0	0.0
" " 10.K	232	12:45	10	120	0/0	0.0
[illegible] 29	689	9:47	10	250	0/0	
" " K-19	690	10:00	10	250	0/0	
" " K-10	691	10:15	10	250	0/0	
SUMMARY: Air Samples	9 No. Taken		For Samples > P.A.L.		Total —	Total 1.05
	0 No. > P.A.L.				% —	Average 0.2
	0 % > P.A.L.					

REMARKS: [illegible]

Inspector [illegible] Op. Supervisor [illegible] Date [illegible]

HEM

BETA-GAMMA RADIATION AUDIT REPORT

Location: Vault 15A. Date: 3-20-57

Supervisor in Charge: J.W. Arendt. Total Work Area: 12,600 ft²

Operations in Progress: None -

Protective Measures in Force: —

SUMMARY

RADIATION	This Survey	Last Survey
β+γ Index	7.7	5.9
β+γ Area Factor	3.9	3.7
γ Area Factor	3.9	3.6

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
Drums in section A.	3.	3	II	3	II	60	60	37.5	37.5
" " " "	—	25	I	25	I	37.5	37.5	—	—
" " " C	[illegible]	90	II	90	II	100	100	60	60
" " " "	—	110	I	110	I	37.5	37.5	—	—
" " " "	9.	28	II	28	II	80	80	60	60
" " " "	—	127	I	127	I	37.5	37.5	—	—
" " " D	2.	108	I	108	I	15.	15.	12.	12.
Floor Area with Beta Readings Above .4									
Meter Alley -	—	2255	—	—	—	10.	—	5.	—
North Side		2525	—	—	—	10.	—	6.	—
South Side.		2440	—	—	—	10.	—	5.	—

	Range mrep/hr	Weighting Factor	Total ft²		
Class I	7.5 - 37.5	1	370	370	
Class II	37.5 - 300	5	121	121	
Class III	300 - 3000	40	0	0	
Class IV	> 3000	400	0	0	
		Grand Total (ft²)	491	491	

Maximum Reading β+γ: 60.

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		
[illegible] 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 $C/M/ft^3$
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 J. G. Kelly Op. Supervisor [illegible] Date [illegible] 7

MEMORANDUM

To: Files

Subject: Data Sources Used in Compilation of the Quarterly Report Data Sheets.

The following data sources, on file in the Records Unit, were used in the compilation of the Quarterly Report Data Sheets in order that data from them could be reproduced at any time should it be necessary. It should be noted that the values computed on these sources do not always coincide with the values reported in various Quarterly Reports to date. However, since some values already reported in the Quarterly Reports cannot be duplicated from data on file in the Records Unit, the data as compiled on these Data Sheets will be reported hereafter, and considered the final values.

The data sources utilized are outlined below:

I. Injury Experience

A. All plant yearly totals were taken from the "Revised Final" Annual Reports to the A.E.C.

B. 1954 - 1955 - Divisional and plant quarterly totals derived from the 1954 and 1955 Accident Summary Sheets.

II. Property Damage Incidents (Fire, Motor Vehicle, Other)

A. 1950 - Data obtained by adding the values on the monthly reports to the A.E.C.

B. 1951 - 1954 - Yearly totals taken from the Annual Reports to the A.E.C.

C. 1954 - Divisional totals taken from 1954 Accident Summary Sheets.

D. 1955 - Data taken from the 1955 Accident Summary Sheets.

III. Material Releases

A. All data tabulated from the Material Release Report file maintained by the Records Unit. (Any release involving a uranium compound of any kind was regarded as radioactive).

IV. Film Badge Data

A. 1950 - Data obtained by multiplying by 12 the FY '50 monthly average values reported in the June, 1951, Highlights Letter.

B. 1951 - Data obtained by multiplying by 12 the 1951 monthly average values reported in the December, 1952, Highlights Letter.

C. 1952 - Data obtained by multiplying by 12 the 1952 monthly average values reported in the December, 1953, Highlights Letter.

D. 1953 - Data taken from the 1953 Divisional Health Physics Summary Sheets.

E. 1954 - Data taken from the 1954 Divisional and Highlights Health Physics Summary Sheets.

F. 1955 - Data taken from the 1955 Highlights Health Physics Summary Sheets.

V. Hand Counts and Personnel On-The-Job Spot Checks

A. 1950

1. Hand count data obtained by adding the values reported in the 1950 monthly Highlights Letters.

2. Personnel Spot Check data obtained by multiplying by 12 the FY '50 monthly average values as reported in the December, 1950, Highlights Letter.

B. 1951 - Data for both categories derived by adding monthly values reported in the 1951 Highlights Letters.

C. 1952 - Data derived in the same manner as in "B" above, using the 1952 Highlights Letters.

D. 1953

1. Hand Count data taken from 1953 Highlights Health Physics Summary Sheets, plus information from the Daily Hand Count Book maintained in the Records Unit.

2. Personnel Spot Check data taken from the 1953 Highlights Health Physics Summary Sheets.

E. 1954 - Data taken from the 1954 divisional and Highlights Health Physics Summary Sheets.

F. 1955 - Data taken from the 1955 Highlights Health Physics Summary Sheets.

VI. Alpha Contamination and Penetrating Radiation Levels

A. 1953 - Yearly totals obtained by adding quarterly totals from the revised 1953 divisional Health Physics Summary Sheets.

B. 1954 - Yearly and Quarterly totals taken from the 1954 divisional and Highlights Health Physics Summary Sheets.

C. 1955 - Quarterly totals taken from the 1955 Highlights Health Physics Summary Sheets.

VII. Air Sample Data (Spot and Long Term)

A. 1953 - Yearly totals derived by adding quarterly totals reported on the revised 1953 divisional Health Physics Summary Sheets.

B. 1954 - Yearly and Quarterly totals taken from the 1954 divisional and Highlights Health Physics Summary Sheets.

C. 1955 - Quarterly totals taken from the 1955 Highlights Health Physics Summary Sheets.

C. S. Williams

Safety & Health Physics

CSW:lwh

6-1-55

M E M O R A N D U M

May 8, 1957

To: Files

Subject: Personnel Exposures - Changes Affecting Records

The following changes in personnel exposure limits, methods of computing exposures, and records keeping methods were made in order to conform with recommendations of the National Committee on Radiation Protection as given in N.B.S. Handbook 59. It will be noted that some changes were retroactive to earlier dates due to delay in adopting the recommendations.

Also, changes were made when a 2-week exposure period replaced the prior 1-week period.

10-3-56

Personnel exposures, beginning with July 3, 1956, were re-interpreted in accord with the concept of "effective gamma dose,"* and a figure of 300 mr/week was taken as the P.A.L. All personnel exposures were entered on a revised I.B.M. card which replaced the card used prior to July, 1956.

10-8-56

A 2-week use period was started for film meters, and the P.A.L. for exposure to penetrating radiation was changed to 500 "effective gamma dose," for the 2-week period.

Note: In the 4th quarter, 1956, (September 25 - December 30), I.B.M. Week #39 (September 25 - October 1) and Week #40 (October 2 - October 7), were

1-week use periods with the P.A.L. being 300 effective gamma dose. Thereafter, 2-week use periods were in effect with a P.A.L. of 500 effective gamma dose.

S. A. Kingsbury

LHS:erc

*Effective Gamma Dose = Dose Gamma + 1/2 Dose Beta
Where the gamma exposure is less than 300 mr/week, the lens of the eye is considered as the critical organ for beta + gamma exposures. Since the lens is at a depth of about 3 mm, it is considered that the dose due to beta at that point is 1/2 the surface dose as measured on a film badge; the dose to the lens due to gamma is the same as the surface dose measured on a film badge.

MEMORANDUM

July 19, 1957

To: All Safety and Health Physics Personnel

Subject: Contaminated Areas - Changes in Survey Frequency and Locations Included in Plant Levels

Effective July 1, 1957, the following criteria will be used to determine both the survey frequency for contaminated work locations and the locations to be included in plant contamination levels. These changes are designed to make our program conform more closely with the administrative control procedures outlined in SP-192 (Administrative Controls - Alpha Contamination).

Survey Frequency

Monthly Surveys

Work locations with a 6-month average CI of 100 or greater. Auxiliary storage facilities surveyed monthly only when a survey shows a CI of 1000 or greater; such frequency to continue until control is re-established.

Quarterly Surveys

Work locations with a 6-month average CI of 10 to 100.

Annual Surveys

Auxiliary storage locations with CI of 10 to 1000. When a survey shows a CI of 1000 or greater, the location will be surveyed monthly until control is re-established.

Cold Areas

All plant areas with a CI of less than 10 will be surveyed during a 5-year period.

Plant Levels

Includes those work locations with a 6-month average CI of 10 or greater.

A. F. Becher
Safety and Health Physics

SAK:ers

NoRC

(1) APD O K, Good suggestion HKH

INTER-COMPANY CORRESPONDENCE

UNION CARBIDE NUCLEAR COMPANY

A Division of Union Carbide and Carbon Corporation

To: (2) Dr. H. F. Henry

Copies To:

RECEIVED

Plant: Oak Ridge Gaseous Diffusion

Date: June 24, 1957

Subject: Contaminated Areas - Proposed Changes in Survey Frequency and Locations Included in Plant Levels

The following changes are proposed in the criteria used for determining both the survey frequency for contaminated work locations and the locations to be included in plant levels, and are designed to make our program conform more closely with the administrative control procedures outlined in SP-192 (Administrative Controls - Alpha Contamination).

Survey Frequency

Monthly Surveys

Work locations with a 6-month average CI of 100 or greater. Auxiliary storage facilities surveyed monthly only when a survey shows a CI of 1000 or greater; such frequency to continue until control is re-established.

Quarterly Surveys

Work locations with a 6-month average CI of 10 to 100, and auxiliary storage facilities with a CI of 10 to 1000.

Cold Areas

All plant areas with a CI of less than 10 will be surveyed during a 5-year period.

Plant Levels

Includes those work locations with a 6-month average CI of 10 or greater.

If you approve this proposal, we can make the effective date coincide with the usual 6-month re-evaluation of areas surveyed.

J. C. Worthington for A. F. Becher

A. F. Becher
Safety and Health Physics

SAK:erc

NoRC

WCX-163 (8-55)

This form for Inter-Company Correspondence only

M E M O R A N D U M

To: All Safety and Health Physics Personnel

Subject: Fire and Property Damage - Records, Reports, and Investigations.

In accord with the latest revision of the AEC Regulation governing reporting of the subject incidents, we are no longer required to report to AEC those incidents involving less than $50 damage, except where a third party is involved; this exception includes only motor vehicle accidents.

Accordingly, effective May 1, 1957, only those incidents reportable to AEC will be recorded on summary sheets by the Records Group. Other incidents investigated will be filed separately as "Non-Reportable Incidents" and will not be summarized or typed and routed for review. Incidents which may be considered suitable for issuance as a significant incident will be typed and routed for review.

A. F. Becher
Safety and Health Physics

SAK:mw

HoRC

June 11, 1957

cc: Records Unit

As of 2-1-58 [illegible] January, are to be [illegible]

MATERIAL RELEASES

1956 and 1957

Five-Year Periods

1952 - 1956

1953 - 1957

SAFETY AND HEALTH PHYSICS Q

CALENDAR YEAR		Maintenance Division			Production Division			Chemical Division			Technical Division			(Finance and Materials) Manufacturing Office Division			Process Engineering	
		Toxic or Corrosive	Radioactive	Miscellaneous	Toxic or Corrosive	Radioactive	Miscellaneous	Toxic or Corrosive	Radioactive	Miscellaneous	Toxic or Corrosive	Radioactive	Miscellaneous	Toxic or Corrosive	Radioactive	Miscellaneous		
1st. QUARTER		0	0	0	0	5	0	1	0	0	0	0	0	—	—	—		
2nd. QUARTER		0	0	0	2	9	0	3	4	0	0	0	1	1	0	0		
3rd. QUARTER		0	1	0	1	1	0	8	1	0	0	0	0	0	0	0		
4th. QUARTER		0	1	0	1	0	0	1	0	1	0	0	0	0	0	0		
Late Rptd. (Current Year)					1							1						
YEAR 1956	Totals	0	2	0	3	15	0	13	5	1	0	1	1	1	0	0		
	Qtly. Avg.	0	0.50	0	.75	3.8	0	3.3	1.3	0.25	0	0.25	0.25					
Late Rptd. (1957)		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
1956 Revised	Totals	0	2	0	3	15	0	13	5	1	0	1	1	1	0	0		
	Qtly. Avg.		0.50	0	.75	3.8	0	3.3	1.3	0.25	0	0.25	0.25					
DIVISIONAL DATA: THREE-YEAR PERIOD - 1954-1956																		
	Totals	1	14	0	3	36	0	27	7	1	3	10	1	1	0	0		
	Qtly. Avg.	0.08	1.2	0	.25	3	0	2.3	0.58	0.08	0.25	0.83	0.08					
1st. QUARTER		0	0	0	1	0	0	3	3	0	0	0	0	0	0	0	0	6
2nd. QUARTER		0	2	0	1	0	1	3	1	2	0	1	1	0	0	0	0	0
3rd. QUARTER		0	0	0	0	2	0	1	3	0	0	0	0	0	0	0	0	0
4th. QUARTER		0	1	0	0	2	0	1	1	0	0	0	0	0	0	0	0	0
Late Rptd. (Current Year)						1												
YEAR 1957	Totals	0	3	0	2	5	1	8	8	2	0	1	0	0	0	0	0	6
	Qtly. Avg.	0	0.75	0	.5	1.3	0.25	2	2	0.5	0	0.25	0					
Late Rptd. (1958)																		
1957 Revised	Totals	0	3	0	2	5	1	8	8	2	0	1	0	0	0	0	0	6
	Qtly. Avg.	0	0.75	0	.5	1.3	0.25	2	2	0.5	0	0.25	0					
FOUR-YEAR PERIOD — 1954-1957																		
	Totals	1	17	0	5	41	1	35	15	3	3	11	1	1	0	0		
	Qtly. Av.	0.06	1.1	0	.31	2.6	0.06	2.9	0.94	0.19	0.19	0.69	0.06					

RTERLY REP RT DATA

				K-25 PLANT		
				Toxic or Corrosive	Radioactive	Miscellaneous
				1	5	0
				4	13	1
				9	3	0
				2	1	1
				1	1	
				17	23	2
				4.3	5.8	0.5
				0	0	0
				17	23	2
				4.3	5.8	0.5
			FIVE - YEAR PERIOD 1952 - 1956			
			Totals	48	111	3
			Qtly. Avg.	2.4	5.6	0.15
				4	9	0
				4	4	3
				1	5	0
				1	4	0
					1	
				10	23	3
				2.5	5.8	0.75
				10	23	3
				2.5	5.8	0.75
			FIVE - YEAR PERIOD 1953 - 1957			
			Totals	54	108	6
			Qtly. Avg.	2.7	5.4	0.3

MATERIAL RELEASES

1954 and 1955

Five-Year Periods

1950 - 1954

1951 - 1955

CALENDAR YEAR	Maintenance Division			Production Division			Chemical Division			Technical Division							
	Toxic or Corrosive	Radioactive	Miscellaneous	Toxic or Corrosive	Radioactive	Miscellaneous	Toxic or Corrosive	Radioactive	Miscellaneous	Toxic or Corrosive	Radioactive	Miscellaneous	Toxic or Corrosive	Radioactive	Miscellaneous		
1st QUARTER	0	1	0	0	0	0	0	0	0	0	1	0					
2nd "	0	0	0	0	3	0	1	0	0	0	[illegible]	0					
3rd "	0	1	0	0	3	0	1	0	0	0	2	0					
4th "	0	1	0	0	2	0	1	0	0	1	2	0					
Late Rptd (Current Yr.)	0	0	0	0	0	0	0	0	0	0	0	0					
YEAR 1954 Totals	0	3	0	0	8	0	3	0	0	0	7	0					
YEAR 1954 Qtly. Avg.	0	0.75	0	0	2	0	0.75	0	0	0	1.75	0					
Late Rptd (1955).																	
1954 Revised Totals																	
1954 Revised Qtly. Avg.																	
1st QUARTER	0	5	0	0	2	0	0	0	0	1	[illegible]	0					
2nd "	0	4	0	0	0	0	2	0	0	0	1	0					
3rd "	1	0	0		0		4	0	[illegible]								
4th "	0	0	0	0	8	0	5	2	0	2	1	0					
Late Rptd (Current Yr)																	
YEAR 1955 Totals	1	9	0	0	13	0	11	2	0	3	[illegible]	0					
YEAR 1955 Qtly. Avg.	0.25	2.25	0	0	3.3	0	2.75	0.5	0	0.75	0.	0					
Late Rptd (1956)																	
1955 Revised Totals																	
1955 Revised Qtly. Avg.																	
DIVISIONAL DATA: TWO-YEAR PERIOD. 1954 and 1955																	
Totals	1	12	0	0	21	0	14	2	0	3	9	0					
Qtly Avg.	0.13	1.5	0	0	2.6	0	1.8	0.25	0	0.38	1.1	0					

	K-25 PLANT		
	Toxic or Corrosive	Radioactive	Miscellaneous
	0	2	0
	1	5	0
	1	6	0
	1	5	0
	0	0	0
	3	18	0
	0.75	4.5	0
		—	—
	3	18	0
	0.75	4.5	0
FIVE-YEAR PERIOD 1950 - 1954			
Totals	33	144	1
Qtly Avg	1.7	7.2	0.05
	1	7	—
		5	0
		3 **	0
	1	11	0
	15	26	0
	3.75	6.5	0
	15	26	0
	3.5	6.5	0
FIVE-YEAR PERIOD 1951 - 1955			
Totals	45	136	1
Qtly Avg	2.3	6.8	0.05

* Totals are taken from the current record of material releases kept by the Records Unit, and do not all times jibe with totals given in the 1954 Quarterly Reports.

** [illegible]

MATERIAL RELEASES

1952 and 1953

~~Five-Year Periods~~
~~1948 - 1952~~
~~1949 - 1953~~

Miscellaneous													K-25 PLANT		
													Toxic or Corrosive	Radioactive	Miscellaneous
													1	6	0
													0	5	0
													3	3	0
													0	12	0
													0	0	0
													4	26	0
													2	6.5	0
													3	0	0
													4	26	0
													1.0	6.5	0
												FIVE-YEAR PERIOD 1948 - 1952			
												Totals			
												Qtly Avg			
													4	4	0
													3	4	1
													1	5	0
													1	2	
													0	1	0
													9	16	1
													2.25	4	0.25
													—	2	—
													9	18	1
													2.25	4.5	0.25
												FIVE-YEAR PERIOD 1949 - 1953			
												Totals			
												Qtly Avg			

* Compiled from MLI Release notebook kept by Records Unit; does not always jibe with value reported on Quarterly Report.

MATERIAL RELEASES

1950 and 1951

(Calendar Year)	K-25 PLANT		
	Toxic or Corrosive	Radioactive	Miscellaneous
First Quarter			
Second Quarter			
Third Quarter			
Fourth Quarter			
Late Reported (Current Yr)			
Totals, Year 1950	3	34	0
Quarterly Average	1	8.5	0
Late Reported (1951)	—	—	—
Year 1950 Revised	3	34	0
Quarterly Average	1	8.5	0
Five-Year Period 1946- 1950			
Totals			
Qtly Avg			
First Quarter			
Second Quarter			
Third Quarter			
Fourth Quarter			
Late Rptd. (Current Yr)			
Totals, Year 1951	14	48	0
Quarterly Average	4	12	0
Late Reported (1952)	—	—	—
Year 1951 Revised	14	48	0
Quarterly Average	4	12	0
Five-Year Period 1947- 1951			
Totals			
Qtly Avg			

M E M O R A N D U M

October 21, 1955

To: Files

Subject: Material Releases in the Production Division During the Third Quarter, 1955.

The following instances of material releases were obtained through Mr. Rifkin of the Production Division. Releases of uranium are reported to Mr. Rifkin by letter from Mr. H. Greisham. These releases were not included in any report (Safety and Protection) published prior to 10-19-55.

1. Vault 15-A -- Release from corroded drum 2g U. (9-28-55)

2. Vault 16-A -- Release from corroded drum 153g U. (9-28-55)

3. K-301-1, Cell 4 -- Valving error, 176g UF_6. (8-31-55)

S. A. Kingsbury

SAK:erc

No K-25 RC

PERSONNEL MONITORING

FILM BADGE DATA

1956 and 1957

Five-Year Periods

1952 - 1956

1953 - 1957

SAFETY AND HEALTH PHYSICS

CALENDAR YEAR	Technical Division: Number of Badges Used Total	Technical Division: Number of Badges Used Avg/Week	Technical Division: Number Over PAL	Technical Division: Open Window Readings (mrep) Total	Technical Division: Open Window Readings (mrep) Avg/Bdg	Chemical Division: Number of Badges Used Total	Chemical Division: Number of Badges Used Avg/Week	Chemical Division: Number Over PAL	Chemical Division: Open Window Readings (mrep) Total	Chemical Division: Open Window Readings (mrep) Avg/Bdg	Production Division: Number of Badges Used Total	Production Division: Number of Badges Used Avg/Week	Production Division: Number Over PAL	Production Division: Open Window Readings (mrep) Total	Production Division: Open Window Readings (mrep) Avg/Bdg	Maintenance Division: Number of Badges Used Total	Maintenance Division: Number of Badges Used Avg/Week	Maintenance Division: Number Over PAL	Maintenance Division: Open Window Readings (mrep) Total	Maintenance Division: Open Window Readings (mrep) Avg/Bdg	Safety & Protection Division*** Number of Badges Used Total	Safety & Protection Division*** Number of Badges Used Avg/Week	Safety & Protection Division*** Number Over PAL	Safety & Protection Division*** Open Window Readings (mrep) Total	Safety & Protection Division*** Open Window Readings (mrep) Avg/Bdg	Superintendent's Di Number of Badges Used Total	Superintendent's Di Number of Badges Used Avg/Week	Superintendent's Di Number Over PAL	Superintendent's Di Open Window Readings (mrep)
1st. QUARTER	389	30	0	0	—	2,922	225	7	17,405	6.0	297	23	0	0	—	3,771	290	3	3,650	0.97	135	10	0	0	—	0	—	0	
2nd. QUARTER	394	30	0	0	—	2,918	224	5	14,500	5.0	299	23	0	0	—	3,558	274	1	6,025	1.7	146	11	0	70	0.48	0	—	0	
3rd. QUARTER	363	30	0	0	—	2,738	228	1	11,692	4.3	276	23	0	0	—	3,328	272	0	2,293	0.69	116	9.7	0	120	1.0	0	—	0	
4th. QUARTER	242	30	0	960 / 1,560	2.01 / 4.41	1,777	222	0	1,363 / 14,205	0.5 / 6.2	183	23	0	0	—	2,226	278	0	1,283 / 3,855	0.57 / 0.69	91	11	0	0	—	0	—	0	
Late Rptd. (Current Year)																													
YEAR 1956 Totals	1,388	30	0	960 / 1,560	0.41 / 1.2	10,355	225	13	46,059 / 72,742	3.4 / 6.2	1,055	23	0	0	—	12,883	280	4	7,005 / 13,300	0.74 / 1.2	488	11	0	190 / 190	0.34 / 0.34				
YEAR 1956 Qtly. Avg.	347	X	0	—	X	—	X	3.3	—	X		X			X	3,221	X	1	—	X		X							
Late Rptd. (1957)																													
1956 Revised Totals	(no change)																												
1956 Revised Qtly. Avg.																													
DIVISIONAL DATA: THREE-YEAR PERIOD — 1954-1956																													
Totals	6,940	46	0	3,695	1.0	26,937	178	56	148,784	1.4	5,584	37	0	2,340	0.82	41,327	274	22	11,060	3.3	4,130	27	1	2,260	1.7				
Avg.	578	X	0	—	X	2,246	X	4.7	—	X	465	X	0	—	X	3,444	X	1.8	—	X	344	X		—	X				
1st. QUARTER	163	27	0	413	2.5	1,243	207	3	18,310	15	0	—	0	0	—	1,269	212	1	8,710	6.9	66	11	0	0	—				
2nd. QUARTER	167	24	0	300	1.8	1,473	210	1	19,113	13	0	—	0	0	—	1,395	199	1	9,485	6.8	95	14	0	230	2.4				
3rd. QUARTER	123	21	0	335	2.7	1,288	215	1	18,821	15	0	—	0	0	—	1,076	179	2	10,098	9.4	59	9.8	0	0	—				
4th. QUARTER	140	20	0	108	0.77	1,397	200	2	18,405	13	0	—	0	0	—	1,222	175	0	6,395	5.2	78	11	0	340	4.4				
Late Rptd. (Current Year)				—1					—1																				
YEAR 1957 Totals	593	23	0	1,155	1.9	5,401	208	7	74,648	14	0	—	0	0	—	4,962	191	4	34,688	7.0	298	11	0	570	1.9				
YEAR 1957 Qtly. Avg.	148	X	0	289	X	1,350	X	1.8	18,662	X	0	—	0	0	—	1,241	X	1	8,672	X									
Late Rptd. (1958)																													
1957 Revised Totals	593	23	0	1,155	1.9	5,401	208	7	74,648	14	0	—	0	0	—	4,962	191	4	34,688	7.0	298	11	0	570	1.9				
1957 Revised Qtly. Avg.	148	X	0	289	X	1,350	X	1.8	18,662	X	0	—	0	0	—	1,241	X	1	8,672	X									
DIVISIONAL DATA: FOUR-YEAR PERIOD — 1954-1957																													
TOTALS	7,533	43	0	4,850	1.2	28,338	180	63	223,429	1.1	5,584	23	0	2,340	0.82	46,289	262	26	15,748	4.0	4,428	25	1	2,830	1.2				
Av.	—	X	0	—	X	—	X	3.9	—	X	—	—	0	—	X	—	X	1.6	—	X	—	—		—	X				

X This over-PAL is based upon the new plant Acceptable Limits established during July, 1956.

*** On 2-11-57 Safety and Protection Division was combined with Industrial Relations and Process Engineering Division was formed.

RTERLY REP RT DATA

Plant Engineering Division						Process Engineering Div. ***						K-25 PLANT				
Number of Badges Used		Number Over PAL	Open Window Readings (mrep)			Number of Badges Used		Number Over PAL	Open Window Readings (mrep)			Number of Badges Used		Number Over PAL	Open Window Readings (mrep)	
Total	Avg/Week		Total	Avg/Bdg		Total	Avg/Wk		Total	Avg/Bdg		Total	Average per Week (or Month)		Total	Average per Badge
27	2.1	0	0	—												
40	3.1	0	90	2.3								7,541	580	10	21,055	2.8
30	2.5	0	0	—								7,355	566	6	20,685	2.8
12	1.5	0	0	—								6,851	571	1*	14,[illegible] / 25,992	2.7 [illegible] / 3.8 [illegible]
												4,531	566	0	13,605 / 24,440	3.0 [illegible] / 3.1 [illegible]
109	2.4	0	90 / 90	0.76 / 1.0								26,278 (29,808 [illegible])	571**	17	54,061 / 92,172 / 54,061	2.1 [illegible] / 3.1 [illegible] / 3.0 [illegible]
												6,570		4.3		
												No change				
753	5.2	0	120	0.3								FIVE - YEAR PERIOD 1952 - 1956				
												Totals	142,137	553	215	558,629	9.3
												Qtly. Avg.			11		
2	0.03	0	0	—		234	39	0	80	0.34						
0	—	0	0	—		268	38	0	0	0		2,977	496	4	27,513	9.2
0	—	0	0	—		228	38	0	0	0		3,398	485	2	29,128	8.6
0	—	0	0	—		266	38	0	0	0		2,774	462	3	29,253	11
												3,103	443	2	25,248	8.1
2	0.08	0	0	—		996	38	0	80	0.08						
												12,252	471	11	111,141	9.1
												3,063	—	2.8	27,785	—
2	0.08	0	0	—		996	38	0	80	0.08						
												12,252	471	11	111,141	9.1
												3,063	—	2.8	27,785	—
785	4.4	0	120	0.3								FIVE - YEAR PERIOD 1953 - 1957				
												Totals	129,164	563	130	169,770	9.3
												Qtly. Avg.			6.5	

12,303-1 x (12,252) / 2 = 144,806 / 2

** During 1956 there were 4 [illegible]

*** 1953 thru 1956 only. (12,303 badges per week or 50,161 badges per month)

PERSONNEL MONITORING

FILM BADGE DATA

1954 and 1955

CALENDAR YEAR	Technical Division: Number of Badges Used Total	Technical Division: Number of Badges Used Avg/Week	Technical Division: PAL > Number	Technical Division: Open Window Rdgs. (mrep) Total	Technical Division: Open Window Rdgs. (mrep) Avg/Bdg	Chemical Division: Number of Badges Used Total	Chemical Division: Number of Badges Used Avg/Week	Chemical Division: PAL > Number	Chemical Division: Open Window Rdgs. (mrep) Total	Chemical Division: Open Window Rdgs. (mrep) Avg/Bdg	Production Division: Number of Badges Used Total	Production Division: Number of Badges Used Avg/Week	Production Division: PAL > Number	Production Division: Open Window Rdgs. (mrep) Total	Production Division: Open Window Rdgs. (mrep) Avg/Bdg	Maintenance Division: Number of Badges Used Total	Maintenance Division: Number of Badges Used Avg/Week	Maintenance Division: PAL > Number	Maintenance Division: Open Window Rdgs. (mrep) Total	Maintenance Division: Open Window Rdgs. (mrep) Avg/Bdg	Safety & Protection Division: Number of Badges Used Total	Safety & Protection Division: Number of Badges Used Avg/Week	Safety & Protection Division: PAL > Number	Safety & Protection Division: Open Window Rdgs. (mrep) Total	Safety & Protection Division: Open Window Rdgs. (mrep) Avg/Bdg	Superintendents: Number of Badges Used Total	Superintendents: Number of Badges Used Avg/Week	Superintendents: PAL > Number
1st QUARTER	936	72	0	3815	4.08	1,934	149	0	24,085	18.0	575	44	0	1,540	2.7	2,339	274	2	29,850	8.4	545	42	0	530	0.97			
2nd "	798	61	0	270	0.34	1,932	149	6	33,335	17.3	582	45	0	150	0.26	3,663	282	2	16,100	4.4	582	45	1	1,310	2.2			
3rd "	708	54	0	250	0.25	1,960	151	11	34,880	17.8	601	46	0	50	0.08	3,517	271	2	14,785	4.2	492	38	0	0	0			
4th "	805	58	0	45	0.06	2,119	151	22	46,985	22.2	689	49	0	0	0	3,803	272	7	18,600	4.9	578	37	0	90	0.17			
Late Rptd (Current Yr.)																												
YEAR 1954 Totals	3,247	61	0	4,380	1.3	7,945	150	39	149,265	18.8	2,448	46	0	1,740	0.7	14,542	274	13	79,335	5.5	2,139	40	1	1,930	0.9			
Qtly. Avg.	X	X	0	X	X	X	X	10	X	X	X	X	0	X	X	X	X	3	X	X	X	X	0.25	X	X			
Late Rptd (1955).																												
1954 Totals																												
Revised Qtly. Avg.																												
1st QUARTER	747	57	0	0	0	2,021	155	1	15,285	7.6	625	49	0	0	0	3,424	263	0	3,565	1.04	502	39	0	220	0.4	2	—	0
2nd "	630	48	0	150	.24	2,082	160	0	8,570	4.6	640	49	0	885	1.38	3,548	273	1	4,210	.19	511	39	0	565	1.11	19	1	0
3rd "	534	41	0	~~0~~	~~0~~	2,191	169	0	7,920	0.88	499	38	0	~~0~~	~~0~~	3,554	273	0	1,240	.35	351	27	0	~~0~~	~~0~~	0	—	0
4th "	392	30	0	~~0~~	~~0~~	2,342	180	3	~~6,720~~	~~2.6~~	294	23	0	0	0	3,375	260	4	~~14,165~~	3.3	131	10	0	0	0	0	—	0
Late Rptd (Current Yr)	2		0	0		1		0	30		13		0	195		1		0	0		8		0	130				
YEAR 1955 Totals	2,305	44	0	150	0.07	8,637	166	4	31,925	3.7	2,081	40	0	1,080	0.52	13,902	267	5	20,180	1.45	1,503	29	0	915	0.61	21	0.40	0
Late Rptd " (1956)																												
1955 Totals				310	0.13				42,495	4.9				1,360	0.65				26,260	1.9				1,005	0.67			
Revised Qtly. Avg.																												
1954 + 1955	5,552	53	0	4,690	0.84	16,582	159	43	191,780	12	4,529	9.4	0	3,160	0.68	28,444	274	18	105,595	3.7	3,642	35	1	2,935	0.81	21		
	694	—	0	586	—	2,073	—	5.4	23,973	—	566	—	0	388	—	3,556	—	2.3	13,199	—	455	—	0.13	367	—			

	Division		Plant Engineering Division					K-25 PLANT					
	Open Window Rdgs. (mrep)		Number of Badges Used		Number > PAL	Open Window Rdgs. (mrep)		Number of Badges Used		Number > PAL	Open Window Readings (mrep)		
	Total	Avg/Bdg	Total	Avg/Week		Total	Avg/Bdg	Total	Avg. per Week		Total	Avg. per Badge	
			91*	7	0	60	0.66	7,549	581	2	69,820	9.2	
			91*	7	0	0	0	7,559	581	9	51,165	6.8	
			91*	7	0	0	0	7,279	560	13	49,965	6.9	
			98*	7.5	0	0	0	7,924	567	29	65,720	8.2	
			371	7	0	60	0.2	30,321	572	53	226,670	7.81	
					0			X	X	13	X	X	
									(53 weeks in 1954)				
								30,321	572	53	236,670	7.81	
FIVE-YEAR PERIOD 1950 - 1954													
Totals								21,111	462	201	1,354,360*	11.2*	
Qtly Avg								X	X	10	X	X	
	0	0	91*	7	0	0	0	7,331	564	1	19,070	2.6	
	700	36.8	94	7.2	0	0	0	524	579	1	15,080	2.0	
	—	—	89	6.8	0	0	0	218	555	0	3,160	0.4	(1.8)[a]
	—	—	29	2.2	0	0	0	6,563	505	7	17,285	2.6	(3.7)[a]
								25	—	0	355	—	
	700	33.3	303	5.8	0	0	0	[illegible],661	551	9	54,950	1.9	(2.5)[a]
								7,165	X	2.25	13,738	X	
									(52 weeks in 1955)				
								[illegible],461	551	9	72,130[a]	2.5[a]	
								7,165	—	2.25	18,033	—	
FIVE-YEAR PERIOD 1951 - 1955													
Totals			674	6.5	0	60	0.09	132,811	511	209	1,426,490	11	
Qtly Avg								X	—	10	X	—	

* included also under Tech. Div.

* These figures represent data for only the period 1951-1954 incl.

a Erroneous data reported by Numerical Analysis Department corrected on 2-29-56.

year = 1949 — Film Badges used

53 wks

324	297	293
~~[illegible]~~	298	359
330	253	304
326	263	306
327	262	281
329	262	278
324	288	258
339	275	272
321	273	228
332	268	228
324	291	15,677
320	291	
317	292	
308	286	
309	283	
309	291	
314	302	
304	295	
319	269	
309	269	
311	267	
295	282	

15,677 ÷ 53

= 294

PERSONNEL MONITORING

FILM BADGE DATA

1952 and 1953

CALENDAR YEAR	Laboratory Division					Engineering Division					Chemical Division					Production Division					Maintenance Division					Safety & Prote		
	Number of Badges Used		PAL	Open Window Rdgs. (mrep)		Number of Badges Used		PAL	Open Window Rdgs. (mrep)		Number of Badges Used		PAL	Open Window Rdgs. (mrep)		Number of Badges Used.		PAL	Open Window Rdgs. (mrep)		Number of Badges Used		PAL	Open Window Rdgs. (mrep)		Number of Badges Used		PAL
	Total	Avg./Wk.	Number >	Total	Avg/Bdg.	Total	Avg/Week	Number >	Total	Avg/Bdg	Total	Avg/Week	Number >	Total	Avg/Bdg	Total	Avg/Week	Number >	Total	Avg/Bdg	Total	Avg/Week	Number >	Total	Avg/Bdg	Total	Avg/Week	Number >
1st QUARTER																												
2nd "																												
3rd "																												
4th "																												
Late Rptd (Current Yr.)																												
YEAR 1952 Totals																												
YEAR 1952 Qtly. Avg.																												
Late Rptd (1953)																												
1952 Revised Totals																												
1952 Revised Qtly. Avg.																												
1st QUARTER	660	51	0	3,600	5.5	424	33	0	2,955	6.8	2,010	155	1	48,490	24.1	605	47	0	1,365	2.3	3,454	266	2	59,015	16.5	292	30	0
2nd "	675	52	0	5,065	7.5	458	35	0	4655	10.2	2,132	164	3	59,250	27.8	564	43	0	2,975	5.3	3,940	303	7	71,890	18.2	421	32	0
3rd "	632	49	0	3,645	5.8	452	35	0	4,240	9.4	2,106	162	2	63,455	30.1	558	43	0	2,175	3.9	3,804	293	4	62,225	16.4	425	33	0
4th "	619	48	0	3,515	5.7	408	31	1	3,700	9.1	2,024	156	9	65,225	32.2	572	44	0	4,260	7.4	3,839	295	11	102,885	26.8	437	34	0
Late Rptd (Current Yr)																												
YEAR 1952 Totals	2,586	50	0	15,825	6.1	1,752	34	1	15,550	8.9	8,272	159	15	236,450	28.6	2,299	44	0	10,775	4.7	15,037	289	24	294,015	19.6	1,675	32	0
YEAR 1952 Qtly. Avg.	X	X	0	X	X	X	X	0.25	X	X	X	X	4	X	X	X	X	0	X	X	X	X	6	X	X	X	X	0
Late Rptd (1954)																												
1952 Revised Totals																												
1952 Revised Qtly. Avg.																												

...on Division: Open Window Rdgs. (mrep) Total	Open Window Rdgs. (mrep) Avg/Bdg	K-25 PLANT: Number of Badges Used Total	Number of Badges Used Avg. per Week	Number > PAL	Open Window Readings (mrep) Total	Open Window Readings (mrep) Avg. per Badge
		25,228	476	96	403,650	16.0
		—	X	24	X	X
		—	(53 weeks in 1952)	—	—	—
		25,228	476	96	403,650	16.0
		X	X	24	X	X
FIVE-YEAR PERIOD 1948 - 1952						
Totals						
Qtly Avg						

Open Window Rdgs. (mrep) Total	Open Window Rdgs. (mrep) Avg/Bdg	Number of Badges Used Total	Number of Badges Used Avg. per Week	Number > PAL	Open Window Readings (mrep) Total	Open Window Readings (mrep) Avg. per Badge
1445	2.7	7,569	582	3	114,930	15.2
3285	5.4	8,250	635	10	148,125	18.0
3400	5.6	8,036	618	6	127,080	15.8
1200	2.7	7,794	600	21	181,000	23.2
7330	4.4	31,649	609	40	571,135	18.0
X	X	—	X	10	X	X
		—	(53 weeks in 1953)	—	—	—
		31,649	609	40	571,135	18.0
		X	X	10	X	X
FIVE-YEAR PERIOD 1949 - 1953						
Totals						
Qtly Avg						

PERSONNEL MONITORING

FILM BADGE DATA

1951

(Calender Year)	K-25 PLANT				
	Number of Badges Used		Number > PAL	Open Window Readings (mrep)	
	Total	Avg. per Week		Total	Avg. per Badge
First Quarter					
Second Quarter					
Third Quarter					
Fourth Quarter					
Late Reported (Current Yr)					
Totals, Year 1950	16,961	326	1		
Quarterly Average	X	X	0.25		
Late Reported (1951)	—	—	—		
Year 1950 Revised	16,961	326	1		
Quarterly Average	X	X	0.25		
Five-Year Period 1946 - 1950					
Totals					
Qtly Avg					
First Quarter					
Second Quarter					
Third Quarter					
Fourth Quarter					
Late Rptd. (Current Yr)					
Totals, Year 1951	16,952	326	11	142,905	8.43
Quarterly Average	—	—	3	—	X
Late Reported (1952)	—	—	—	—	—
Year 1951 Revised	16,952	326	11	142,905	8.43
Quarterly Average	X	X	3	X	X
Five-Year Period 1947 - 1951					
Totals					
Qtly Avg					

Not available for 1950

PERSONNEL ON-THE-JOB

SPOT CHECKS

1964 and 1965

CALENDAR YEAR		TECHNICAL DIVISION						PRODUCTION DIVISION						MAINTENANCE DIVISION					
		Alpha			Beta			Alpha			Beta			Alpha			Beta		
		No. Checks	No. > PAL	% > PAL	No. Checks	No. > PAL	% > PAL	No. Checks	No. > PAL	% > PAL	No. Checks	No. > PAL	% > PAL	No. Checks	No. > PAL	% > PAL	No. Checks	No. > PAL	% > PAL
1st. QUARTER		31	4	13	31	0	0	43	31	49	43	11	17	24	1	4.2	24	0	0
2nd. QUARTER		30	1	3.3	30	0	0	91	24	26	79	9	11	24	1	3.8	26	0	0
3rd. QUARTER		18	0	0	18	0	0	28	18	64	28	7	25	24	4	17	24	0	0
4th. QUARTER		29	1	3.4	29	0	0	31	20	65	31	5	16	4	2	50	4	0	0
Late Rptd. (Current Year)																			
YEAR 1964	Total	108	6	5.6	108	0	0	213	93	44	201	32	16	78	8	10	78	0	0
	Qtly. Av.																		
Late Rptd.																			
1964 Revised	Total																		
	Qtly. Av.																		
BASE PERIOD		BASE PERIOD:																	
	Total																		
	Qtly. Av.																		
1st. QUARTER		43	3	7	40	0	0	60	30	50	60	11	18	8	1	13	8	0	0
2nd. QUARTER		24	0	0	22	0	0	76	38	50	55	17	31	28	1	3.6	28	0	0
3rd. QUARTER		—						14	2	13	14	2	13	—					
4th. QUARTER		12	0	0	12	2	17	47	11	23	47	8	17	16	5	31	16	0	0
Late Rptd. (Current Year)																			
YEAR 1965	Total	79	3	3.4	74	2	2.7	199	81	41	178	38	21	52	7	13	52	0	0
	Qtly. Av.																		
Late Rptd.																			
1965 Revised	Total																		
	Qtly. Av.																		
BASE PERIOD		BASE PERIOD:																	
	Total																		
	Qtly. Av.																		

SP-18 (3-58)

:TERLY DATA

OAK RIDGE GASEOUS DIFFUSION PLANT					
Alpha			Beta		
Number Checks	Number > PAL	Per Cent > PAL	Number Checks	Number > PAL	Per Cent > PAL
118	36	31	118	11	9.3
147	26	18	135	9	7.1
70	22	31	70	7	10
64	23	36	64	5	7.8
399	107	27	387	32	8.3
BASE PERIOD:					
111	34	31	108	11	10
128	39	30	105	17	16
16	2	13	16	2	13
75	16	21	68	10	15
330	91	28	297	40	13
BASE PERIOD:					

PERSONNEL ON-THE-JOB

SPOT CHECKS

1962 and 1963

CALENDAR YEAR		TECHNICAL DIVISION						CHEMICAL DIVISION						PRODUCTION DIVISION						MAINTENANCE DIVISION					
		Alpha			Beta			Alpha			Beta			Alpha			Beta			Alpha			Beta		
		No. Checks	No. > PAL	% > PAL	No. Checks	No. > PAL	% > PAL	No. Checks	No. > PAL	% > PAL	No. Checks	No. > PAL	% > PAL	No. Checks	No. > PAL	% > PAL	No. Checks	No. > PAL	% > PAL	No. Checks	No. > PAL	% > PAL	No. Checks	No. > PAL	% > PAL
1st. QUARTER		—	—	—	—	—	—	121	54	45	121	22	18	49	11	22	49	2	4.1	47	1	2.1	38	0	0
2nd. QUARTER		16	0	0	14	3	19	107	76	71	107	45	42	56	18	32	56	7	13	78	9	12	78	2	2.6
3rd. QUARTER		27	7	26	27	5	19	—	—	To Prod. Div.	—	—	—	117	41	35	111	19	17	39	6	15	39	4	10
4th. QUARTER		42	7	17	42	2	5	—	—	—	—	—	—	123	54	44	123	33	27	43	15	35	35	4	11
Late Rptd. (Current Year)																									
YEAR 1962	Total	85	14	16	85	10	12	—	—	—	—	—	—	573	254	44	567	128	23	207	31	15	190	10	5.3
	Qtly. Av.																								
Late Rptd.																									
1962 Revised	Total																								
	Qtly. Av.																								
BASE PERIOD		BASE PERIOD:																							
	Total																								
	Qtly. Av.																								
1st. QUARTER		63	8	13	—	—	—							147	65	44	147	33	22	46	7	15	32	5	16
2nd. QUARTER		59	6	10	7	3	43							108	38	35	72	17	24	14	0	0	8	0	0
3rd. QUARTER		41	6	15	8	0	0							98	40	41	51	10	20	43	0	0	—	—	—
4th. QUARTER		26	0	0	4	0	0							83	33	40	32	4	9	78	9	12	28	0	0
Late Rptd. (Current Year)																									
YEAR 1963	Total	189	20	11	19	3	14							436	176	40	302	64	21	181	16	8.8	68	5	7.4
	Qtly. Av.																								
Late Rptd.																									
1963 Revised	Total																								
	Qtly. Av.																								
BASE PERIOD		BASE PERIOD:																							
	Total																								
	Qtly. Av.																								

SP-18 (3-58)

ARTERLY DATA

OAK RIDGE GASEOUS DIFFUSION PLANT					
Alpha			Beta		
Number Checks	Number > PAL	Per Cent > PAL	Number Checks	Number > PAL	Per Cent > PAL
217	66	30	208	24	12
257	103	40	257	57	22
183	54	30	177	28	16
208	76	37	200	39	20
845	299	35	842	148	18
BASE PERIOD:					
256	80	31	179	38	21
187	44	24	87	20	23
182	46	25	59	10	17
187	42	22	64	4	6.3
812	212	26	389	72	19
BASE PERIOD:					

PERSONNEL MONITORING

HAND COUNTS AND PERSONNEL ON-THE-JOB SPOT CHECKS

1960 and 1961

CALENDAR YEAR		TECHNICAL DIVISION					CHEMICAL DIVISION					PRODUCTION DIVISION					MAINTENANCE DIVISION					PROCESS ENGINEERING DIVISION				
		Hand Counts		On-The-Job Spot Checks			Hand Counts		On-The-Job Spot Checks			Hand Counts		On-The-Job Spot Checks			Hand Counts		On-The-Job Spot Checks			Hand Counts		On-The-Job Spot Checks		
		Av. Number Checking	Number Over PAL	Number Checks Made	Number Over PAL	% Over PAL	Av. Number Checking	Number Over PAL	Number Checks Made	Number Over PAL	% Over PAL	Av. Number Checking	Number Over PAL	Number Checks Made	Number Over PAL	% Over PAL	Av. Number Checking	Number Over PAL	Number Checks Made	Number Over PAL	% Over PAL	Av. Number Checking	Number Over PAL	Number Checks Made	Number Over PAL	% Over PAL
1st. QUARTER		74	1	9	0	0	79	0	127	29	23	5	0	3	0	0	123	0	54	5	9.3	20	0	39	0	0
2nd. QUARTER		72	1	27	0	0	70	0	104	17	16	5	0	—	—	—	116	0	39	1	2.6	26	0	44	0	0
3rd. QUARTER		68	0	15	0	0	0	0	102	33	32	1	0	3	0	0	17	0	30	2	6.7	20	0	21	0	0
4th. QUARTER		63	0	12	2	17	0	0	75	16	21	0	0	—	—	—	11	0	33	2	6.1	20	0	21	0	0
Late Rptd. (Current Year)																										
YEAR 19 60	Total	69	2	63	2	3.2	37	0	408	95	23	3	0	6	0	0	67	0	156	10	6.4	22	0	125	0	0
	Qtly. Av.	x	0.5	14	0.5	x	-	0	102	24	x	—	0	1.5	0	—	—	0	39	2.5	—	—	0	31	0	—
Late Rptd.																										
19 60 Revised	Total	69	2	63	2	3.2	37	0	408	95	23	3	0	6	0	0	67	0	156	10	6.4	22	0	125	0	0
	Qtly. Av.																									
BASE PERIOD		BASE PERIOD: 1956-1960										[Includes Prod. Eng. Div.]										[Included in Prod Div.]				
	Total	82	6	512	19	3.7	86	0	2,230	498	22	27	0	1,014	81	8.0	140	12	489	22	4.5	—	—	—	—	—
	~~Qtly.~~ Av.	X	1.2	102	3.8	X	X	0	446	100	1	X	0	203	16	X	X	0.6	98	4.4	X	—	[See Prod Div.]			
1st. QUARTER		70	0	12	0	0	—		72	18	25	18	0	9	0	0	16	0	54	8	15	18	0	9	0	0
2nd. QUARTER		65	0	6	0	0	—		57	22	39	17	0	12	0	0	12	0	48	4	8.3	17	0	12	0	0
3rd. QUARTER		57	0	—	—	—	—		—	—	—	17	0	—	—	—	—		6	0	0	[See Prod. Div.]				
4th. QUARTER		50	0	15	0	0	—		39	10	26	10	0	—	—	—	—		—	—	—	—		—	—	—
Late Rptd. (Current Year)																										
YEAR 19 61	Total	61	0	33	0	0	—		168	50	30	16	0	21	0	0	7	0	108	12	11	—	—	—	—	—
	Qtly. Av.																									
Late Rptd.																										
19 61 Revised	Total																									
	Qtly. Av.																									
BASE PERIOD		BASE PERIOD:																								
	Total																									
	Qtly. Av.																									

SP-18 (3-58)

.Y DATA

OAK RIDGE GASEOUS DIFFUSION PLANT				
Hand Counts		On-The-Job Spot Checks		
Average Number Checking	Number Over PAL	Number Checks Made	Number Over PAL	% Over PAL
301	1	232	34	15
281	1	214	18	8.4
107	0	171	35	20
94	0	141	20	14
-	2	758	107	14
198	0.5	190	27	—
—	2	758	107	14
198				
BASE PERIOD: 1956-1960				
1974 —	19	4,247	618	15
OPAL → 355	0.95	212	31	—
104	0	147	26	18
94	0	123	26	21
24	0	6	0	0
60	0	54	10	19
332 —	0	330	62	19
83	0			—
BASE PERIOD:				

PERSONNEL MONITORING

HAND COUNTS AND PERSONNEL ON-THE-JOB SPOT CHECKS

1958 and 1959

SAF

CALENDAR YEAR		TECHNICAL DIVISION					CHEMICAL DIVISION					PRODUCTION DIVISION					MAINTENANCE DIVISION					PROCESS ENGINEERING DIVISION				
		Hand Counts		On-The-Job Spot Checks			Hand Counts		On-The-Job Spot Checks			Hand Counts		On-The-Job Spot Checks			Hand Counts		On-The-Job Spot Checks			Hand Counts		On-The-Job Spot Checks		
		Av. Number Checking	Number Over PAL	Number Checks Made	Number Over PAL	% Over PAL	Av. Number Checking	Number Over PAL	Number Checks Made	Number Over PAL	% Over PAL	Av. Number Checking	Number Over PAL	Number Checks Made	Number Over PAL	% Over PAL	Av. Number Checking	Number Over PAL	Number Checks Made	Number Over PAL	% Over PAL	Av. Number Checking	Number Over PAL	Number Checks Made	Number Over PAL	% Over PAL
1st. QUARTER		90	0	15	0	0	124	0	126	16	13	5	0	9	1	11	153	0	24	0	0	25	0	36	0	0
2nd. QUARTER		76	1	23	2	8.7	103	0	84	8	9.5	5	0	6	1	17	131	0	8	0	0	27	0	21	2	9.5
3rd. QUARTER		70	0	27	0	0	91	0	136	28	21	5	0	—	—	—	134	0	—	—	—	26	0	36	1	2.8
4th. QUARTER		69	0	39	1	2.6	101	0	135	28	21	5	0	—	—	—	146	0	—	—	—	26	0	30	1	3.3
Late Rptd. (Current Year)																										
YEAR 1958	Total	76	1	104	3	2.9	105	0	481	80	17	5	0	15	2	13	144	0	42	0	0	26	0	123	4	3.3
	Qtly. Av.	X	0.25	26	0.75	—	X	0	120	20	—	X	0	3.8	0.5	—	—	0	11	0	—	X	0	31	1	X
Late Rptd.																										
1958 Revised	Total	76	1	104	3	2.9	105	0	481	80	17	5	0	15	2	13	144	0	42	0	0	26	0	123	4	3.3
	Qtly. Av.	X	0.25	26	0.75	—	X	0	120	20	—	X	0	0.8	0.5	—	—	0	11	0	—	X	0	31	1	X
BASE PERIOD		BASE PERIOD: 1954–1958																								
	Total	99	4	1,350	134	9.9	95	14	3,201	936	29	15	8	1,613	302	19	255	67	1,120	330	17	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	Qtly. Av.	X	0.2	68	6.7	X	X	0.7	160	47	X	X	0.4	81	15	X	X	3.4	96	17	X					
1st. QUARTER		69	2	27	0	0	94	0	114	29	25	5	0	3	0	0	144	0	9	0	0	26	0	36	0	0
2nd. QUARTER		74	0	30	0	0	81	0	135	34	25	5	0	—	—	—	124	0	3	0	0	23	0	36	0	0
3rd. QUARTER		65	0	15	1	6.7	60	0	102	23	23	5	0	—	—	—	113	0	6	2	33	19	0	45	0	0
4th. QUARTER		68	0	24	1	4.2	62	0	81	13	16	5	0	3	0	0	118	0	5	0	0	12	0	36	1	2.8
Late Rptd. (Current Year)																										
YEAR 1959	Total	69	2	96	2	2.1	74	0	432	99	23	5	0	6	0	0	125	0	13	2	6.1	20	0	153	1	0.65
	Qtly. Av.	—	0.5	24	0.5	—	X	0	108	25	—	X	0	1.5	0	—	—	0	0.3	0.5	—	—	0	38	0.25	—
Late Rptd.																										
1959 Revised	Total	69	2	96	2	2.1	74	0	432	99	23	5	0	6	0	0	125	0	13	2	6.1	20	0	153	1	0.65
	Qtly. Av.	—	0.5	24	0.5	—	X	0	108	25	—	X	0	1.5	0	—	—	0	0.3	0.5	—	—	0	38	0.25	—
BASE PERIOD		BASE PERIOD: 1955–1959																				(1957-59)				
	Total	92	5	656	50	7.6	94	2	2,481	581	23	12	4	859	174	20	210	25	182	44	7.6	25	0	432	7	1.6
	Qtly. Av.	X	0.25	33	2.5	X	X	0.10	124	29	X	X	0.20	43	8.7	X	X	1.3	29	2.2	X	X	0	22	0.35	X

SP-18 (5-58)

ſERLY DATA

OAK RIDGE GASEOUS DIFFUSION PLANT				
Hand Counts		On-The-Job Spot Checks		
Average Number Checking Daily	Number Over PAL	Number Checks Made	Number Over PAL	% Over PAL
396	0	210	17	8.1
342	1	152	13	8.6
326	0	199	29	15
346	0	204	30	15
353	1	765	89	12
X	0.25	191	22	—
353	1	765	89	12
X	0.25	191	22	—
BASE PERIOD: 1954–1958				
474	93	8,414	1,712	20
X	4.7	421	86	X
337	2	189	29	15
307	0	204	34	17
263	0	168	26	15
265	0	159	15	9.4
—	2	720	104	14
293	0.5	180	26	—
—	2	720	104	14
293	0.5	180	26	—
BASE PERIOD: 1955–1959				
422	36	5,010	854	17
X	1.8	251	43	—

PERSONNEL MONITORING

HAND COUNTS AND PERSONNEL ON-THE-JOB SPOT CHECKS

1956 - 1957

Five-Year Periods

1952 - 1956

1953 - 1957

CALENDAR YEAR	Technical Division: Hand Counts: Avg Number Checking	Technical Division: Hand Counts: Number Over PAL	Technical Division: On-The-Job Spot Checks: Number of Checks Made	Technical Division: On-The-Job Spot Checks: Number Over PAL	Technical Division: On-The-Job Spot Checks: % Over PAL	Chemical Division: Hand Counts: Avg Number Checking	Chemical Division: Hand Counts: Number Over PAL	Chemical Division: On-The-Job Spot Checks: Number of Checks Made	Chemical Division: On-The-Job Spot Checks: Number Over PAL	Chemical Division: On-The-Job Spot Checks: % Over PAL	Production Division: Hand Counts: Avg Number Checking	Production Division: Hand Counts: Number Over PAL	Production Division: On-The-Job Spot Checks: Number of Checks Made	Production Division: On-The-Job Spot Checks: Number Over PAL	Production Division: On-The-Job Spot Checks: % Over PAL	Maintenance Division: Hand Counts: Avg Number Checking	Maintenance Division: Hand Counts: Number Over PAL	Maintenance Division: On-The-Job Spot Checks: Number of Checks Made	Maintenance Division: On-The-Job Spot Checks: Number Over PAL	Maintenance Division: On-The-Job Spot Checks: % Over PAL	Process Engineering: Hand Counts		Process Engineering: On-The-Job Spot Checks		
1st. QUARTER	104	0	57	8	14	112	0	153	75	49	27	0	123	29	24	286	5	39	6	15					
2nd. QUARTER	92	0	36	2	5.6	114	0	111	34	31	24	0	105	28	26	325	0	18	3	17					
3rd. QUARTER *	97	0	18	1	5.6	107	0	105	41	39	19	0	54	10	19	275	2	24	0	0					
4th. QUARTER	107	0	41	1	2.4	109	0	117	19	16	21	0	90	2	2.2	230	0	60	1	1.7					
Late Rptd. (Current Year)																	1								
YEAR 1956 Totals	100	0	152	12	7.9	111	0	486	169	35	23	0	375	69	18	279	8	141	10	7.1					
YEAR 1956 Qtly. Avg.	X	0	38	3	X	X	0	122	42	X	X	0	94	17	X	X	2	35	2.5	X					
Late Rptd. (1957)	0	0	0	0	X	0	0	0	0	X	0	0	0	0	X	1	0	0	0	X					
1956 Revised Totals	100	0	152	12	7.9	111	0	486	169	35	23	0	375	69	18	280	8	141	10	7.1					
1956 Revised Qtly. Avg.	X	0	38	3	X	X	0	122	42	0	X	0	94	17	X	X	2	35	2	X					
DIVISIONAL DATA: THREE-YEAR PERIOD - 1954-1956																									
Totals	208	2	1,149	131	11	88	14	2,297	801	35	22	8	1,541	297	19	316	62	1,761	330	19					
Avg.	X	0.17	96	11	X	X	1.2	191	67	X	X	0.67	128	25	X	X	5.2	147	28	X					
1st. QUARTER	101	0	28	0	0	94	0	111	12	11	5	0	18	0	0	232	0	45	0	0	30	0	15-15	0	0
2nd. QUARTER	89	0	21	0	0	102	0	87	12	14	5	0	16	0	0	182	2	48	0	0	27	0	39	0	0
3rd. QUARTER	95	1	24	0	0	109	0	93	12	13	4	0	18	1	5.6	156	3	15	0	0	27	0	36	1	2.8
4th. QUARTER	91	0	24	0	0	113	0	132	17	13	4	0	15	2	13	161	0	9	0	0	28	0	30	1	3.3
Late Rptd. (Current Year)																									
YEAR 1957 Totals	94	1	97	0	0	105	0	423	55	13	5	0	57	3	5.3	183	5	117	0	0	28	0	156	2	1.3
YEAR 1957 Qtly. Avg.	X	0.25	24	0	X	X	0	106	14	X	X	0	14	0.75	X	X	1.3	29	0	X					
Late Rptd. (1958)																+2									
1957 Revised Totals	94	1	97	0	0	105	0	423	55	13	5	0	57	3	5.3	185	5	117	0	0	28	0	156	2	1.3
1957 Revised Qtly. Avg.	X	0.25	24	0	X	X	0	106	14	X	X	0	14	0.75	X	X	1.3	29	0	X					
DIVISIONAL DATA: FOUR-YEAR PERIOD — 1954-1957																									
Totals	105	3	1,246	131	11	92	14	2,720	856	31	18	8	1,598	300	19	283	67	1,878	330	18					
Avg.	X	0.19	78	8.2	X	X	0.88	170	54	X	X	0.50	100	19	X	X	4.2	117	21	X					

* New plant limits established during 3rd quarter 1955

.RTERLY REF T DATA

					K-25 PLANT				
					Hand Counts		On-The-Job Spot Checks		
					Average Number Checking Daily	Number Over PAL	Number of Checks Made	Number Over PAL	% Over PAL
					528	5	372	118	32
					555	0	273	67	25
					498	2	201	52	26
					467	0	308	23	7.5
						1			
					512	8	1,154	260	23
					X	2	289	65	X
					1	0	0	0	
					513	8	1,154	260	23
					X	2	289	65	X
				FIVE - YEAR PERIOD	1952 - 1956				
				Totals	573	150	15,718	4,067	26
				Qtly. Avg.	X	7.5	786	203	X
					466	0	253	12	4.7
					405	2	201	12	6
					390	4	186	14	7.5
					397	0	210	20	9.5
					415	6	850	58	6.8
					X	1.5	213	15	X
					2				
					417	6	850	58	6.8
					X	1.5	213	15	X
				FIVE - YEAR PERIOD	1953 - 1957				
				Totals	529	138	12,354	2,942	24
				Qtly. Avg.	X	6.9	618	147	X

PERSONNEL MONITORING

HAND COUNTS AND PERSONNEL-ON-THE-JOB SPOT CHECKS

1954 and 1955

CALENDAR YEAR	Technical Division					Chemical Division					Production Division					Maintenance Division					Manufacturing Office Division				
	Hand Counts		On-the-Job Spot Checks			Hand Counts		On-the-Job Spot Checks			Hand Counts		On-the-Job Spot Checks			Hand Counts		On-the-Job Spot Checks			Hand Counts		On-the-Job Spot Checks		
	Avg Number Checking	No > PAL	Number of Checks Made	Number over PAL	% over PAL	Avg Number Checking	No > PAL	Number of Checks Made	Number over PAL	% over PAL	Avg Number Checking	No > PAL	Number of Checks Made	Number over PAL	% over PAL	Avg Number Checking	No > PAL	Number of Checks Made	Number over PAL	% over PAL	Avg Number Checking	No > PAL	Number of Checks Made	Number over PAL	% over PAL
1st QUARTER	115	0	255	21	8.2	85	7	321	142	44	23	4	202	26	13	352	11	394	75	20			6	0	0
2nd "	103	0	258	31	12	87	1	315	137	45	20	0	233	42	18	328	8	388	60	15			3	0	0
3rd "	99	0	165	16	10	70	4	294	99	34	19	0	215	42	20	329	19	373	84	23					
4th "	104	1	114	18	16	74	0	228	81	34	19	0	111	18	16	389	4	248	73	29					
Late Rptd (Current Yr.)																									
YEAR Totals	105	1	790	86	11	79	12	1,152	457	39	20	4	760	128	17	351	42	1,371	288	21	—	—	9	0	0
1954 Qtly. Avg.	X	0.25	198	22	X	X	3	288	114	X	X	1	190	32	X	X	11	343	72	X	—	—	2	0	X
Late Rptd (1953)																									
1954 Totals																									
Revised Qtly. Avg.																									
1st QUARTER	124	0	57	5	8.8	77	2	141	32	23	29	4	108	29	27	378	0	92	10	11					
2nd "	130	0	39	7	18	78	0	117	42	36	28	0	88	13	15	296	4	48	8	17					
3rd "	118	1	39	4	10	69	0	189	42	22	16	0	99	20	20	289	6	51	7	14					
4th "	108	0	72	17	24	73	0	212	62	29	17	0	111	38	34	303	2	57	7	12					
Late Rptd (Current Yr)																									
YEAR Totals	120	1	207	33	16	74	2	659	178	27	23	4	406	100	25	317	12	249	32	13					
1955 Qtly. Avg.	X	0.25	52	8	X	X	0.5	165	45	X	X	1	102	25	X	X	3	62	8	X					
Late Rptd (1954)																									
1955 Totals																									
Revised Qtly. Avg.																									
DIVISIONAL DATA: TWO-YEAR PERIOD - 1954-1955																									
Totals	113	2	997	119	12	177	14	1,811	632	35	22	8	1,166	228	20	334	54	1,620	320	20					
Qtly Avg	—	0.25	125	15	—	—	1.8	226	79	—	—	1	146	29	—	—	6.8	202	40	—					

Plant Lunch Rooms & Facilities					K-25 PLANT				
Hand Counts		On-the-Job Spot Checks			Hand Counts		On-the-Job Spot Checks		
Avg Number Checking	No > PAL	Number of Checks Made	Number over PAL	% over PAL	Avg. Number Checking Daily	No. over PAL	Number of Checks Made	Number of Checks over PAL	% over PAL
		376	12	3.2	515	22	1,179	264	22
		506	115	23	539	9	1,197	270	23
		360	87	23	517	23	1,047	241	23
		206	82	27	586	5	701	189	27
—	—	1,548	344	22	554	59	4,124	962	23
—	—	287	86	X	X	15	1,031	241	X
					554	59	4,124	962	23
					—	15	1,031	241	—
FIVE-YEAR PERIOD 1950 - 1954									
Totals					532	145	16,763	4,708	25
Qtly Avg					—	7.3	938	235	X
—	—	51	4	7.8	665	6	899	76	19
—	—	171	21	12	5[illegible]2	4	292	70	24
—	—	161	19	12	4[illegible]2	7	378	73	19
		138	20	14	501	2	452	124	27
		531	64	12	533	19	1,521	343	23
		133	16	X	—	4.8	380	86	X
					533	19	1,521	343	23
					>	4.8	380	86	X
FIVE-YEAR PERIOD 1951 - 1955									
Totals					554	156	17,860	4,523	25
Qtly Avg					—	7.8	893	226	—

PERSONNEL MONITORING

HAND COUNTS AND PERSONNEL ON-THE-JOB SPOT CHECKS

1952 and 1953

CALENDAR YEAR	Laboratory Division					Engineering Division					Chemical Division					Production Division					Maintenance Division					Manufacturing Off		
	Hand Counts		On-the-Job Spot Checks			Hand Counts		On-the-Job Spot Checks			Hand Counts		On-the-Job Spot Checks			Hand Counts		On-the-Job Spot Checks			Hand Counts		On-the-Job Spot Checks			Hand Counts		On-Spot
	Avg Number Checking	No > PAL	Number of Checks Made	Number over PAL	% over PAL	Avg Number Checking	No > PAL	Number of Checks Made	Number over PAL	% over PAL	Avg Number Checking	No > PAL	Number of Checks Made	Number over PAL	% over PAL	Avg Number Checking	No > PAL	Number of Checks Made	Number over PAL	% over PAL	Avg Number Checking	No > PAL	Number of Checks Made	Number over PAL	% over PAL			Number of Checks Made
1st QUARTER																												
2nd "																												
3rd "																												
4th "																												
Late Rptd (Current Yr.)																												
YEAR 1952 Totals																												
YEAR 1952 Qtly. Avg.																												
Late Rptd (1952).																												
1952 Revised Totals																												
1952 Revised Qtly. Avg.																												
1st QUARTER																												
2nd "																												
3rd "																												
4th "																												
Late Rptd (Current Yr)																												
YEAR 1953 Totals																												
YEAR 1953 Qtly. Avg.																												
Late Rptd (1953)																												
1953 Revised Totals																												
1953 Revised Qtly. Avg.																												

K-25 PLANT				
Hand Counts		On-the-Job Spot Checks		
Number Checking Daily (Avg)	No. over PAL	Number of Checks Made	Number of Checks over PAL	% over PAL
557	2	768	250	32
695	3	524	122	22
647	8	1,248	386	31
654	5	1,674	425	25
—	—	—	—	—
625	18	4,214	1,183	28
X	5	1,054	296	X
—		—	—	—
628	18	4,214	1,183	28
X	5	1,054	296	X
FIVE-YEAR PERIOD 1948 - 1952				
Totals				
Qtly Avg				
637	7	1,097	375	34
66[illegible]	19	975	292	20
66[illegible]	3	1,142	304	27
601	17	1,491	347	23
-	-	—	—	—
62[illegible]	46	4705	1,819	28
—	11.5	1,176	330	X
—	—	—	—	—
628	46	4,705	1,319	28
X	11.5	1,176	330	X
FIVE-YEAR PERIOD 1949 - 1953				
Totals				
Qtly Avg				

Division	
-Job ecks	
Number over PAL	% over PAL

PERSONNEL MONITORING

HAND COUNTS AND PERSONNEL ON-THE-JOB SPOT CHECKS

1950 and 1951

(Calendar Year)	K-25 PLANT				
	Hand Counts		On-the-Job Spot Checks		
	Avg. Number Checking Daily	No. over PAL	Number of Checks Made	Number of Checks over PAL	% over PAL
First Quarter	519	2			
Second Quarter	481	4			
Third Quarter	329	1			
Fourth Quarter	373	1			
Late Reported (Current Yr)	—	—			
Totals, Year 1950	426	8	2,424	528	22
Quarterly Average	X	2	606	132	X
Late Reported (1951)	—	—	—	—	—
Year 1950 Revised	426	8	2,424	528	22
Quarterly Average	X	2	606	132	X
Five-Year Period 1946 - 1950					
Totals					
Qtly Avg					
First Quarter	405	3	696	129	19
Second Quarter	403	3	918	167	18
Third Quarter	406	8	869	184	21
Fourth Quarter	449	0	813	236	29
Late Rptd. (Current Yr)	—	—	—	—	—
Totals, Year 1951	416	14	3,296	716	22
Quarterly Average	X	3.5	824	179	X
Late Reported (1952)	—	—	—	—	—
Year 1951 Revised	416	14	3,296	716	22
Quarterly Average	X	3.5	824	179	X
Five-Year Period 1947 - 1951					
Totals					
Qtly Avg					

ALPHA CONTAMINATION LEVELS

1954 and 1955

Two-Year Period - 1953 - 1954

Three-Year Period - 1953 - 1955

CALENDAR YEAR	Technical Division				Chemical Division				Production Division				Maintenance Division				Safety & Protection Division				Manufacturing Off		
	Number of Locs.	Total Area (ft^2)	Total Weighted Factor	Contamination Index	Number of Locs.	Total Area (ft^2)	Total Weighted Factor	Cont. Index	Number of Locs.	Total Area (ft^2)	Total Weighted Factor	Cont. Index	Number of Locs.	Total Area (ft^2)	Total Weighted Factor	Cont. Index	Number of Locs.	Total Area (ft^2)	Total Weighted Factor	Cont. Index	Number of Locs.	Total Area (ft^2)	Total
1st QUARTER	8	67,470	5,024.2	74	11	223,950	313,812.8	1401	23	339,510	24,175.54	71	18	184,060	10,614.36	58							
2nd "	8	67,470	4,395.04	65	11	223,950	301,168.52	1345	23	339,510	24,086.07	71	18	183,810	7,516.3	41					1	1,800	
3rd "	11	53,886	3,219.61	60	13	239,700	334,046.24	1394	17	264,960	24,414.8	92	22	353,700	8,618.19	24					1	1,800	
4th "	11	53,886	1,968.97	37	13	239,700	326,059.45	1360	17	264,960	32,368.16	122	22	353,700	6,247.85	18							
Late Rptd (Current Yr.)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
YEAR 1954 Totals		242,712	14,607.82	60	48	927,300	1,275,087	1375		1,208,940	105,044.57	87		1,075,270	32,916.7	31						3,600	6
YEAR 1954 Qtly. Avg.				X	12			X				X	20			X				X			
Late Rptd 1955	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
1954 Revised Totals																							
1954 Revised Qtly. Avg.																							
1st QUARTER	12	76,086	3,622.21	48	12	236,550	56,776.9	240	24	360,660	28,202.91	78	14	155,640	6,471.05	45		-	-			—	
2nd "	12	76,086	2,858.92	38	12	236,550	34,556.85	146	24	360,660	24,672.49	68	14	155,640	4,504.81	29		-	-			—	
3rd "	7	57,810	3,521.97	61	17	506,280	63,261.63	125	26	366,210	28,935.24	79	15	221,160	3,0 7.15	14	1	930	1.2	1.3	1	1,800	
4th "	7	57,810	5,826.67	101	17	506,280	87,324.54	172	26	366,210	36,433.49	99	15	221,160	1,092.43	4.9	1	930	1.2	1.3	1	1,800	
Late Rptd (Current Yr)																							
YEAR 1955 Totals	38	267,792	15,829.77	59	58	1,485,660	241,919.92	163	100	1,453,740	118,244.13	81	62	753,600	15,607.44	21		1,860	2.4	1.3		3,600	
YEAR 1955 Qtly. Avg.	9.5			X	15			X	25			X	16			X				X			
Late Rptd (1956)																							
1955 Revised Totals																							
1955 Revised Qtly. Avg.																							
DIVISIONAL DATA: TWO-YEAR PERIOD - 1954-1955																							
TOTALS		510,504	30,438	60		2,412,960	1,517,007	629		2,662,680	223,289	84		1,828,870	48,604	27		1,860	2.4	1.3		7,200	
Qtly Avg	9.5			—	13			—	23			—	18							—			

ice Division		Industrial Relations Division				Plant Lunch Rooms, Officies, and Facilities												K - 25 PLANT			
Weighted Factor	Cont. Index					Number of Locs.	Total Area (ft²)	Total Weighted Factor	Cont. Index									Number of Locations	Total Area (ft²)	Total Weighted Factor	Contamination Index
1.56	0.87						72,660.	7,652.4	105										816,790	352,628.48	433
0	0						72,660	7,671.39	106										816,540	337,165.93	413
							66,930	6,553.7	98										912,246	370,294.84	406
							66,930	6,433.57	96										912,246	366,644.43	402
—	—	—	—	—	—	—	—	—	—									—	—	—	—
56	0.43						279,180	28,312.06	101										3,457,822	1,427,728	413
	X				X				X										864,456	356,925	X
—	—	—	—	—	—	—	—	—	—	—								—	—	—	—
																		276	3,457,822	1,427,728	413
																		69	864,456	356,925	X
																		~~[illegible]~~ PERIOD 1953 - 1954			
																		Totals	6,189,737	2,669,648	431
																		Qtly Avg	773,717	333,706	X
—							77,370	755.67	9.8									64	828,936	95,573.07	115
—							77,370	144.65	1.9									64	828,936	66,593.07	80
3.96	2.2						101,220	982.6	9.7									67	1,154,190	98,763.15	86
3.96	2.2						101,220	706.08	7.0									67	1,154,190	130,682.29	113
7.92	2.2						357,180	2,589	7.2									262	3,966,252	391,611.58	99
	X								X									66		—	X
																		262	3,966,252	391,611.58	99
																		66	—	—	X
2.5	1.3																	~~3~~ - YEAR PERIOD 1953 - 1955			
	—																	Totals	764	10,155,989	3,061,260	301
																		Qtly Avg	64	846,332	—	—

1954: Est. Total Floor Area - 12,066,326
% surveyed - 2.4

1955: Est. Total Floor Area - 16,634,798
% surveyed: 1st QTR - 1.7
2nd QTR - 1.7
3rd QTR - 2.3
4th QTR - 2.3
Year 1955 - 2.0

3 yr. Period 1953 - 1955
% surveyed - 2.0

ALPHA CONTAMINATION LEVELS

1964 and 1965

CALENDAR YEAR		TECHNICAL DIVISION				PRODUCTION DIVISION				MAINTENANCE DIVISION			
		Number Locations	Total Area (ft^2)	Total Weighted Factor	Contamination Index	Number Locations	Total Area (ft^2)	Total Weighted Factor	Contamination Index	Number Locations	Total Area (ft^2)	Total Weighted Factor	Contamination Index
1st. QUARTER		6	27,300	3,519.6	129	20	361,920	157,045.43	434	9	124,800	6,468.3	52
2nd. QUARTER		6	27,300	4,113.52	149	20	361,920	103,221.42	285	9	124,800	10,414.4	83
3rd. QUARTER		4	25,350	5,368.82	218	13	301,230	107,299.02	356	7	114,000	5,184	45
4th. QUARTER		4	25,350	5,790.82	228	13	301,230	131,414.24	436	7	114,000	5,421.6	48
Late Rptd. (Current Year)													
YEAR 1964	Total	20	105,300	19,292.76	183	66	1,326,300	498,980.11	382	32	477,600	27,488.3	58
	Qtly. Av.	5	—	—	—	17							
Late Rptd.													
1964 Revised	Total												
	Qtly. Av.												
BASE PERIOD		BASE PERIOD:											
	Total												
	Qtly. Av.												
1st. QUARTER		9	52,740	6,433.86	122	13	301,230	166,784.52	554	7	116,730	6,545.68	56
2nd. QUARTER		9	52,740	7,300.46	138	13	301,230	188,613.86	626	7	116,730	10,270.54	88
3rd. QUARTER		8	44,940	8,010.06	178	12	288,330	153,639.44	530	1	4,800	4,300.8	896
4th. QUARTER		8	44,940	6,558.06	146	12	288,330	127,034.15	441	1	4,800	1,542.4	321
Late Rptd. (Current Year)													
YEAR 1965	Total	9	195,360	28,302.44	145	13	1,179,120	635,271.97	539	4	243,060	22,679.42	93
	Qtly. Av.												
Late Rptd.													
1965 Revised	Total												
	Qtly. Av.												
BASE PERIOD		BASE PERIOD:											
	Total												
	Qtly. Av.												

SP-18 (3-58)

RTERLY DATA

OAK RIDGE GASEOUS DIFFUSION PLANT

Number Locations	Total Area (ft^2)	Total Weighted Factor	Contamination Index
35	514,020	167,033.33	325
35	514,020	118,249.34	230
24	440,580	117,851.84	267
24	440,580	142,126.66	324
118	1,909,200	545,261.17	286
29.5			
BASE PERIOD: 1960 – 1964			
456	11,783,460	3,724,126.53	316
12.8			
29	470,700	179,764.06	382
29	470,700	206,204.86	438
21	338,070	165,150.3	489
21	338,070	135,134.61	400
1.0	1,617,540	686,253.83	424
25			
BASE PERIOD:			

1964: 16,434,798
1.0%

(C.I.'s discontinued 1966)

ALPHA CONTAMINATION LEVELS

1962 and 1963

SAFETY A

CALENDAR YEAR		TECHNICAL DIVISION				CHEMICAL DIVISION				PRODUCTION DIVISION				MAINTENANCE DIVISION			
		Number Locations	Total Area (ft^2)	Total Weighted Factor	Contamination Index	Number Locations	Total Area (ft^2)	Total Weighted Factor	Contamination Index	Number Locations	Total Area (ft^2)	Total Weighted Factor	Contamination Index	Number Locations	Total Area (ft^2)	Total Weighted Factor	Contamination Index
1st. QUARTER		5	37,890	5,707.80	151	9	248,730	117,198.59	471	11	154,540	12,472.99	80	9	139,620	11,031.36	79
2nd. QUARTER		5	37,890	4,851	128	9	248,730	140299.26	564	11	156,540	13,177.79	84	9	139,620	9,839.6	70
3rd. QUARTER		7	42,240	6,886.97	163		To Prod. Div.			18	352,920	147,738.44	419	9	148,200	11,104.82	75
4th. QUARTER		7	42,240	6,570.06	156					18	352,920	152,297.85	432	9	148,200	11,543.1	78
Late Rptd. (Current Year)																	
YEAR 1962	Total	24	160,260	24,015.83	150					76	1,516,380	583,184.92	385	36	575,640	43,518.74	76
	Qtly. Av.																
Late Rptd.																	
1962 Revised	Total																
	Qtly. Av.																
BASE PERIOD		BASE PERIOD:															
	Total																
	Qtly. Av.																
1st. QUARTER		7	42,300	7,239.9	171					20	361,920	202,259.9	559	11	181,770	16,176.14	89
2nd. QUARTER		7	42,300	5,576.7	132					20	361,920	108,281.56	299	11	181,770	14,165.1	78
3rd. QUARTER		9	48,900	7,435.1	152					20	361,920	110,205.58	305	11	181,770	8,672.23	48
4th. QUARTER		9	48,900	5,690.8	116					20	361,920	108,723.46	300	11	181,770	10,272.23	57
Late Rptd. (Current Year)																	
YEAR 1963	Total	32	182,400	25,942.5	142					80	1,447,680	530,470.5	366	44	727,080	49,291.11	68
	Qtly. Av.	8								20				11			
Late Rptd.																	
1963 Revised	Total																
	Qtly. Av.																
BASE PERIOD		BASE PERIOD:															
	Total																
	Qtly. Av.																

SP-18 (3-58)

ERLY DATA

					OAK RIDGE GASEOUS DIFFUSION PLANT			
					Number Locations	Total Area (ft^2)	Total Weighted Factor	Contamination Index
					34	582,780	146,410.74	251
					34	582,780	168,167.51	289
					34	543,360	165,730.23	305
					34	543,360	170,411.01	314
					136	2,252,280	650,719.49	289
					34			
					BASE PERIOD: 1958-1962			
					[illegible]0	11,998,740	4,439,190.25	370
					29			
					[illegible]8	585,990	225,673.94	385
					38	585,990	128,023.77	218
					40	592,590	126,312.91	213
					40	592,590	124,691.49	210
					156	2,357,160	604,702.11	257
					39			
					BASE PERIOD: 1959-1963			
					442	12,185,220	4,206,909.36	345
					32			

1962 · 16,634,798

% surveyed 1962 year - 1.1 1963 = 1.2

1958-1962 / 1.2%

1959-1962 / 1.2%

ALPHA CONTAMINATION LEVELS

1960 and 1961

SAF

CALENDAR YEAR		TECHNICAL DIVISION				CHEMICAL DIVISION				PRODUCTION DIVISION				MAINTENANCE DIVISION				INDUSTRIAL RELATIONS DIVISION				FINANCE AND DIVIS	
		Number Locations	Total Area (ft²)	Total Weighted Factor	Contamination Index	Number Locations	Total Area (ft²)	Total Weighted Factor	Contamination Index	Number Locations	Total Area (ft²)	Total Weighted Factor	Contamination Index	Number Locations	Total Area (ft²)	Total Weighted Factor	Contamination Index	Number Locations	Total Area (ft²)	Total Weighted Factor	Contamination Index	Number Locations	Total Area (ft²)
1st. QUARTER		5	37,890	4,417	117	9	407,730	220,497	541	4	51,990	1,705	33	6	100,230	5,186	52	—	—	—	—	—	—
2nd. QUARTER		5	37,890	3,26[illegible]	85	9	407,730	233,752	573	4	51,990	1,721	33	6	100,230	4,761	48	—	—	—	—	—	—
3rd. QUARTER		5	37,890	2,515.[illegible]	66	8	395,430	185,168.12	468	4	51,990	1,418.27	27	6	100,230	4,520.54	45	—	—	—	—	—	—
4th. QUARTER		5	37,890	2,753.[illegible]	73	8	395,430	188,684.27	477	4	51,990	1,271.07	24	6	100,230	2,767.83	28	—	—	—	—	—	—
Late Rptd. (Current Year)																							
YEAR 1960	Total	20	151,560	12,896.[illegible]	85	34	1,606,320	828,101.39	516	16	207,960	6,115.34	29	24	400,920	17,235.37	43	—	—	—	—	—	—
	Qtly. Av.	5	—	—	—	8.5	—	—	—	4	—	—		6	—	—	—	—	—	—	—	—	—
Late Rptd.																							
1960 Revised	Total																						
	Qtly. Av.																						
BASE PERIOD		BASE PERIOD: 1956-1960									[Includes Proc. Eng. Div.]												
	Total	106	792,300	74,349.4	94	184	8,181,600	2,095,600.37	378	296	4,007,100	536,499.57	134	136	1,719,220	33,686.37	20	0	—	—	—	2	3,600
	Qtly. Av.	5.3	—	—	—	9.2	—	—	—	15	—	—	—	6.8	—		—	0	—	—	—	0.1	—
1st. QUARTER		5	37,890	3,823.7	101	8	395,430	202,503.77	513	4	Prod. only 38,490	1,245	32	9	107,940	9,256.67	90	—	—	—	—	—	—
2nd. QUARTER		5	37,890	2,339.1	62	8	395,430	206,[illegible]	522	4	Prod. only 38,490	1,240.17	32	9	107,940	12,019.60	111	—	—	—	—	—	—
3rd. QUARTER		5	37,890	2,339.17	62	9	404,430	222,999.92	551	10	Prod & Proc. Eng. 136,440	12,030.64	88	8	113,220	12,989.08	115	—	—	—	—	—	—
4th. QUARTER		5	37,890	3,385.03	89	9	404,430	245,722.18	608	10	136,440	11,477.24	84	8	113,220	6,277.56	55	—	—	—	—	—	—
Late Rptd. (Current Year)											Prod & Proc. Eng.												
YEAR 1961	Total	20	151,560	11,886.[illegible]	78	34	1,599,720	877,764.17	549	40	468,060	64,637.45	138	34	442,320	41,042.91	93						
	Qtly. Av.	5	—	—	—	9				10				8.5									
Late Rptd.																							
1961 Revised	Total																						
	Qtly. Av.																						
BASE PERIOD		BASE PERIOD: 1957-1961									[Includes Chem]												
	Total	96	714,240	73,894.[illegible]	103	—	—	—	—	412	1,081,040	4,114,664.6	371	112	1,377,390	71,173.28	52						
	Qtly. Av.																						

SP-18 (3-58)

ETY AND HEALTH PHYSICS QUARTERLY DATA

ATERIALS N		PROCESS ENGINEERING DIVISION				OAK RIDGE GASEOUS DIFFUSION PLANT			
Total eighted Factor	Contamination Index	Number Locations	Total Area (ft^2)	Total Weighted Factor	Contamination Index	Number Locations	Total Area (ft^2)	Total Weighted Factor	Contamination Index
—	—	6	59,100	14,440	244	30	656,940	246,245	375
—	—	6	59,100	16,807	284	30	656,940	260,248	396
—	—	6	59,100	15,600.15	264	29	644,640	209,203.342	325
—		6	59,100	16,417.1	278	29	644,640	211,893.55	329
		24	236,400	63,264.25	268	118	2,603,160	927,612.39	356
—		6	—	—	—	30	—	—	—
						BASE PERIOD: 1956-1960			
0	0		[See Prod. Div.]			724	14,704,320	3,740,135.39	254
—	X					36	—	—	—
—	—	6	59,100	18,042.4	305	32	638,850	235,671.51	369
—	—	6	59,100	20,580	348	32	638,850	242,427.14	379
—	—		[See Prod. Div.]			32	691,980	250,338.71	362
—	—					32	691,980	266,894.01	386
						128	2,661,660	995,331.37	374
						32			
						BASE PERIOD: 1957-1961			
						620	13,172,670	4,259,732.76	323
						31			

1960: Est Total Plant Floor Area = 16,634,798 1961 est [illegible] = 16,634,798

% surveyed: 1st QTR - 1.3
2nd QTR - 1.3
3rd QTR - 1.3
4th QTR - 1.3
YEAR - 1.3

% [illegible] 1st QTR - 1.3
2nd QTR 1.3
3rd QTR 1.4
4th QTR 1.4
YEAR - 1.3

1956-1960 / 1.5%

1957-1961 / 1.3%

ALPHA CONTAMINATION LEVELS

1958 and 1959

CALENDAR YEAR		TECHNICAL DIVISION				CHEMICAL DIVISION				PRODUCTION DIVISION				MAINTENANCE DIVISION				INDUSTRIAL RELATIONS DIVISION			
		Number of Locs.	Total Area (ft^2)	Total Weighted Factor	Cont. Index	Number of Locs.	Total Area (ft^2)	Total Weighted Factor	Cont. Index	Number of Locs.	Total Area (ft^2)	Total Weighted Factor	Cont. Index	Number of Locs.	Total Area (ft^2)	Total Weighted Factor	Cont. Index	Number of Locs.	Total Area (ft^2)	Total Weighted Factor	Cont. Index
1st. QUARTER		3	21,990	5,370	245	8	385,830	109,347	283	6	58,590	4,848	83	3	25,530	1,221	48	—	—	—	—
2nd. QUARTER		3	21,990	3,168	144	8	385,830	137,376	356	6	58,590	3,913	67	3	25,530	1,302	51	—	—	—	—
3rd. QUARTER		2	20,850	4,440	213	9	407,730	204,892	503	4	47,040	1,940	41	2	7,530	1,458	194	—	—	—	—
4th. QUARTER		2	20,850	4,788	230	9	407,730	256,383	629	4	47,040	2,433	52	2	7,530	558	74	—	—	—	—
Late Rptd. (Current Year)																					
YEAR 1958	Total	10	85,680	17,786	208	34	1,587,120	707,998	446	20	211,260	13,134	62	10	66,120	4,539	69	—	—	—	—
	Qtly. Av.	2.5	—	—	—	8.5	—	—	—	5	—	—	—	2.5	—	—	—				
Late Rptd.																					
1958 Revised	Total																				
	Qtly. Av.																				
BASE PERIOD		BASE PERIOD: 1954—1958																			
	Total	144	1,005,064	76,592	76	220	7,357,220	2,858,857	389	360	5,325,960	416,416	78	240	3,063,451	60,360	20	2	1,860	2.4	1.3
	Qtly. Av.	7.2	—	—	—	11	—	—	—	18	—	—	—	12	—	—	—	0.10	—	—	—
1st. QUARTER		4	35,190	2,062	59	9	407,730	209,532	514	4	54,540	2,395	44	2	7,530	1,070	142	—	—	—	—
2nd. QUARTER		4	35,190	2,683	76	9	407,730	197,039	483	4	54,540	2,362	43	2	7,530	708	94	—	—	—	—
3rd. QUARTER		5	37,890	3,315	87	9	407,730	256,371	629	4	63,840	896	14	5	29,430	1,379	47	—	—	—	—
4th. QUARTER		5	37,890	7,239	191	9	407,730	262,707	644	4	63,840	1,146	18	5	29,430	1,538	52	—	—	—	—
Late Rptd. (Current Year)																					
YEAR 1959	Total	18	146,160	15,299	105	36	1,630,920	925,649	568	16	236,760	6,799	29	14	73,920	4,695	64	—	—	—	—
	Qtly. Av.	4.5	—	—	—	9	—	—	—	4	—	—	—	3.5	—	—	—	—	—	—	—
Late Rptd.																					
1959 Revised	Total																				
	Qtly. Av.																				
BASE PERIOD		BASE PERIOD: 1955-1959																			
	Total	124	908,532	77,283	85	208	8,060,940	2,509,419	311	296	4,353,780	318,170	73	174	2,072,400	2,058	15	2	1,860	2.4	1.3
	Qtly. Av.	6.2	—	—	—	10	—	—	—	15	—	—	—	8.7	—	—	—	0.10	—	—	—

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SAFETY AND HEALTH PHYSICS QUARTERLY DATA

FINANCE AND MATERIALS DIVISION			PROCESS ENGINEERING DIVISION					
Total Area (ft^2)	Total Weighted Factor	Cont. Index	Number of Locs.	Total Area (ft^2)	Total Weighted Factor	Cont. Index		
			5	54,450	24,486	450		
			5	54,450	24,640	453		
			5	55,800	22,178	397		
			5	55,800	22,222	398		
			20	220,500	93,526	424		
			5	—	—	—		
				4 yr				
10,800	9.5	0.88	20	439,500	191,092	435		
—	—	—	5					
			5	55,800	21,565	386		
			5	55,800	20,257	363		
			5	55,800	16,634	298		
			5	55,800	17,646	316		
			20	223,200	76,102	341		
			5	—	—	—		
			[1957-1959] 3-yr.					
7,200	7.9	1.1	60	662,700	267,194	403		
—	—	—	5	—	—	—		

5-yr. Period 1955-1959
% Surrogate = 1.6

5-yr. Period 1954-1958
% Surrogate = 1.8

TION LEVELS

			OAK RIDGE GASEOUS DIFFUSION PLANT			
			Number of Locations	Total Area (ft^2)	Total Weighted Factor	Contamination Index
			25	546,390	145,292	266
			25	546,390	170,399	312
			22	538,950	234,908	436
			22	538,950	286,384	531
			94	2,170,680	836,983	386
			24	—	—	—
			94	2,170,680	836,983	386
			24	—	—	—
			BASE PERIOD: 1954–1958			
			1,040	17,214,274	3,603,329	209
			52			
			24	560,790	236,624	422
			24	560,790	223,049	398
			28	594,690	278,595	468
			28	594,690	290,276	488
			104	2,310,960	1,028,544	445
			26	—	—	—
			104	2,310,960	1,028,544	445
			26	—	—	—
			BASE PERIOD: 1955–1959			
			868	16,067,412	3,204,135	199
			43	—	—	—

1957: Est. Total Floor Area = 16,634,798
% Surveyed: 1st qtr – 1.1
2nd qtr – 1.1
year – 1.2
3rd qtr – 1.2
4th qtr – 1.2

1958: Est. Total Floor Area = 16,634,798
% Surveyed: 1st qtr – 1.1
2nd qtr – 1.1
3rd qtr – 1.1
4th qtr – 1.1
year = 1.1

ALPHA CONTAMINATION LEVELS

1956 and 1957

Four-Year Period

1953 - 1956

Five-Year Period

1953 - 1957

SAFETY AND HEALTH PHYSICS QUARTE

CALENDAR YEAR	Technical Division Number of Locs.	Technical Division Total Area (ft²)	Technical Division Total Weighted Factor	Technical Division Cont. Index	Chemical Division Number of Locs.	Chemical Division Total Area (ft²)	Chemical Division Total Weighted Factor	Chemical Division Cont. Index	Production Division Number of Locs.	Production Division Total Area (ft²)	Production Division Total Weighted Factor	Production Division Cont. Index	Maintenance Division Number of Locs.	Maintenance Division Total Area (ft²)	Maintenance Division Total Weighted Factor	Maintenance Division Cont. Index	Safety & Protection Division* Number of Locs.	Safety & Protection Division* Total Area (ft²)	Safety & Protection Division* Total Weighted Factor	Safety & Protection Division* Cont. Index	(Finance and Materials) Manufacturing Office Division Number of Locs.	(Finance and Materials) Manufacturing Office Division Total Area (ft²)	(Finance and Materials) Manufacturing Office Division Total Weighted Factor	(Finance and Materials) Manufacturing Office Division Cont. Index
1st. QUARTER	7	57,000	1,759	31	12	439,080	87,921	200	24	357,510	40,259	113	14	230,400	1,033	4.5	—	—	—	—	1	1,800	0	0
2nd. QUARTER	7	57,000	4,523	79	12	439,080	96,822	221	24	357,510	38,323	107	14	230,400	706	3.1	—	—	—	—	1	1,800	0	0
3rd. QUARTER	8	57,810	2,688	46	11	426,480	68,191	160	24	364,650	36,298	100	15	161,925	988	6.1	—	—	—	—	—	—	—	—
4th. QUARTER	8	57,810	3,371	58	11	426,480	56,873	133	24	364,650	35,156	96	15	161,925	829	5.1	—	—	—	—	—	—	—	—
Late Rptd. (Current Year)																								
YEAR 1956 Totals	30	229,620	12,341	54	46	1,731,120	309,807	179	96	1,444,320	150,030	104	58	784,650	3,556	4.5	—	—	—	—	2	3,600	0	0
YEAR 1956 Qtly. Avg.	7.5	57,405	3,086	X	12	432,780	77,452	X	24	361,080	37,508	X	15	196,163	889	X	—	—	—	—	0.5	—	—	X
Late Rptd. (1957)																								
1956 Revised Totals																								
1956 Revised Qtly. Avg.																								

DIVISIONAL DATA: THREE-YEAR PERIOD — 1954-1956

CALENDAR YEAR	Technical Division Number of Locs.	Technical Division Total Area (ft²)	Technical Division Total Weighted Factor	Technical Division Cont. Index	Chemical Division Number of Locs.	Chemical Division Total Area (ft²)	Chemical Division Total Weighted Factor	Chemical Division Cont. Index	Production Division Number of Locs.	Production Division Total Area (ft²)	Production Division Total Weighted Factor	Production Division Cont. Index	Maintenance Division Number of Locs.	Maintenance Division Total Area (ft²)	Maintenance Division Total Weighted Factor	Maintenance Division Cont. Index	Safety & Protection Division* Number of Locs.	Safety & Protection Division* Total Area (ft²)	Safety & Protection Division* Total Weighted Factor	Safety & Protection Division* Cont. Index	(Finance and Materials) Manufacturing Office Division Number of Locs.	(Finance and Materials) Manufacturing Office Division Total Area (ft²)	(Finance and Materials) Manufacturing Office Division Total Weighted Factor	(Finance and Materials) Manufacturing Office Division Cont. Index
Totals Qtly Avg.	106	740,124	42,779	58	154	4,144,080	1,826,814	441	276	4,107,000	373,319	91	200	8,613,520	52,160	27	2	1,860	2.4	1.3	6	10,800	9.5	0.88
	8.8	—	—	X	13	—	—	X	23	—	—	X	17	—	—	✓	0.17	—	—	X	0.5	—	—	
1st. QUARTER	11	67,450	2,601	38	9	427,230	60,599	142	20	307,500	8,830	29	13	175,455	1,092	6.2	—	—	—	—	—	—	—	—
2nd. QUARTER	11	67,650	3,845	57	9	427,230	70,533	165	20	307,500	5,278	17	13	175,455	1,418	8.1	—	—	—	—	—	—	—	—
3rd. QUARTER	3	21,990	4,393	200	8	385,830	77,646	201	12	196,350	11,248	57	2	21,600	845	1.1	—	—	—	—	—	—	—	—
4th. QUARTER	3	21,990	5,188	236	8	385,830	115,267	299	12	196,350	14,507	23	2	21,600	306	1.1	—	—	—	—	—	—	—	—
Late Rptd. (Current Year)																								
YEAR 1957 Totals	28	179,280	16,027	89	34	1,626,120	324,045	199	64	1,007,700	39,963	30	30	394,110	3,661	9.3	—	—	—	—	—	—	—	—
YEAR 1957 Qtly. Avg.	7	—	—	X	8.5	—	—	X	16	—	—	X	7.5	—	—	✓	—	—	—	—	—	—	—	—
Late Rptd. (1958)																								
1957 Revised Totals	28	179,280	16,027	89	34	1,626,120	324,045	199	64	1,007,700	39,963	30	30	394,110	3,661	9.3	—	—	—	—	—	—	—	—
1957 Revised Qtly. Avg.	7	—	—	X	8.5	—	—	X	16	—	—	X	7.5	—	—	✓	—	—	—	—	—	—	—	—

DIVISIONAL DATA: FOUR-YEAR PERIOD — 1954-1957

CALENDAR YEAR	Technical Division Number of Locs.	Technical Division Total Area (ft²)	Technical Division Total Weighted Factor	Technical Division Cont. Index	Chemical Division Number of Locs.	Chemical Division Total Area (ft²)	Chemical Division Total Weighted Factor	Chemical Division Cont. Index	Production Division Number of Locs.	Production Division Total Area (ft²)	Production Division Total Weighted Factor	Production Division Cont. Index	Maintenance Division Number of Locs.	Maintenance Division Total Area (ft²)	Maintenance Division Total Weighted Factor	Maintenance Division Cont. Index	Safety & Protection Division* Number of Locs.	Safety & Protection Division* Total Area (ft²)	Safety & Protection Division* Total Weighted Factor	Safety & Protection Division* Cont. Index	(Finance and Materials) Manufacturing Office Division Number of Locs.	(Finance and Materials) Manufacturing Office Division Total Area (ft²)	(Finance and Materials) Manufacturing Office Division Total Weighted Factor	(Finance and Materials) Manufacturing Office Division Cont. Index
Totals Qtly Avg.	134	919,404	58,806	64	186	5,770,200	2,150,859	373	340	5,114,700	413,282	79	230	3,007,630	55,821	19	2	1,860	2.4	1.3	6	10,800	9.5	0.88
	8.4	—	—	X	12	—	—	X	21	—	—	X	14	—	—	✓	—	—	—	X	—	—	—	—

INDUSTRIAL RELATIONS

* On 2-12-57 Safety and Protection Division was combined with Industrial Relations Division. Data for Three-Year Period (1954-56) and 1957 Thru for the new combined division.

* Became new division on 2-12-57.

QUARTERL' EPORT DATA

Total Weighted Factor	Cont. Index	Number of Locs	Total Area (ft²)	Total Weighted Factor	Cont. Index				K-25 PLANT Number of Locations	Total Area (ft²)	Total Weighted Factor	Contamination Index
		Materials Service Division	Process Engineering Division**									
0	0								58	1,085,790	130,972	121
0	0								58	1,085,790	140,374	129
									58	1,010,865	108,159	107
									58	1,010,865	96,229	95
0	0											
	X								232	1,193,310	475,734	116
									58	1,048,328	118,934	X
									232	1,193,310	475,734	116
									58	1,048,328	118,934	X
7.5	0.18		1956 Est. Total Floor Area - 16,634,778 % Surveyed: 1st QTR - 2.2 2nd QTR - 2.2 3rd QTR - 2.0 4th QTR - 2.0 yr. = 2.1				4 yr. Period 1953-1956 % Surveyed: 2.0		Four [redacted] - YEAR PERIOD 1953 - 1956			
									Totals	996	4,349,299	3,536,994	246
									Qtly. Avg.	62			X
		6	57,750	24,107	417				59	1,035,585	97,229	94
		6	57,750	21,310	369				59	1,035,585	102,484	99
		4	57,750	25,659	996				29	677,520	119,785	177
		4	57,750	26,496	510				29	677,520	151,764	224
		20	219,000	97,566	446				176	426,210	471,262	138
		5			X				44			X
		20	219,000	97,566	446				176	426,210	471,262	138
		5			X				44			X
7.5	0.18		1957 Est. Total Floor area = 16,634,778 % Surveyed: 1st QTR - 2.1 2nd QTR - 2.1 3rd QTR - 1.4 4th QTR - 1.4 yr. = 1.7				5 yr. Period 1953-1957 % Surveyed: 2.0		FIVE - YEAR PERIOD 1953 - 1957			
									Totals	1,172	17,775,509	4,008,256	225
									Qtly. Avg.	59			X

** Effective July 1, 1957, Locations with a Maximum Contamination Index average of +10 or above, as included in Prior Period, Data, Will be Deleted, the Exception of Locations Included.

ALPHA CONTAMINATION LEVELS

1953

(Calendar Year)	K-25 PLANT			
	Number of Locations	Total Area (ft^2)	Total Weighted Factor	Contamination Index
First Quarter				
Second Quarter				
Third Quarter				
Fourth Quarter				
Late Reported (Current Yr)				
Totals, Year 1952				
Quarterly Average				
Late Reported —				
Year 1952 Revised				
Quarterly Average				
Five-Year Period 19 - 19				
Totals				
Qtly Avg				
First Quarter				
Second Quarter				
Third Quarter				
Fourth Quarter				
Late Rptd. (Current Yr)				
Totals, Year 1953		2,721,915	1,241,910	455
Quarterly Average		682,979	310,478	X
Late Reported —	—	—	—	—
Year 1953 Revised	226	2,721,915	1,241,910	455
Quarterly Average	57	682,979	310,478	X
Five-Year Period 19 - 19				
Totals				
Qtly Avg				

1953: Est. total floor area - 13,784,245

PENETRATING RADIATION LEVELS

1962 and 1963

CALENDAR YEAR	TECHNICAL DIVISION				CHEMICAL DIVISION				PRODUCTION DIVISION				MAINTENANCE DIVISION				INDUSTRIAL RELATIONS DIVISION			
	Number Locations	Total Area (ft^2)	Total Weighted Factor	Radiation Index	Number Locations	Total Area (ft^2)	Total Weighted Factor	Radiation Index	Number Locations	Total Area (ft^2)	Total Weighted Factor	Radiation Index	Number Locations	Total Area (ft^2)	Total Weighted Factor	Radiation Index	Number Locations	Total Area (ft^2)	Total Weighted Factor	Radiation Index
1st. QUARTER	1	13,200	0	0	5	127,050	35.92	0.28	—	—	—	—	—	—	—	—	1	720	2.66	3.7
2nd. QUARTER	1	13,200	0	0	5	127,050	69.21	0.54	—	—	—	—	—	—	—	—	1	720	4.68	6.5
3rd. QUARTER	1	13,200	0	0	— To Prod. Div. —				7	250,050	106.50	0.43	1	4,000	92	23	1	720	5.4	7.5
4th. QUARTER																				
Late Rptd. (Current Year)																				
YEAR 1962 Total																				
YEAR 1962 Qtly. Av.																				
Late Rptd.																				
1962 Revised Total																				
1962 Revised Qtly. Av.																				
BASE PERIOD	BASE PERIOD:																			
BASE PERIOD Total																				
BASE PERIOD Qtly. Av.																				
1st. QUARTER																				
2nd. QUARTER																				
3rd. QUARTER																				
4th. QUARTER																				
Late Rptd. (Current Year)																				
YEAR 1963 Total																				
YEAR 1963 Qtly. Av.																				
Late Rptd.																				
1963 Revised Total																				
1963 Revised Qtly. Av.																				
BASE PERIOD	BASE PERIOD:																			
BASE PERIOD Total																				
BASE PERIOD Qtly. Av.																				

SP-18 (3-58)

				OAK RIDGE GASEOUS DIFFUSION PLANT			
				Number Locations	Total Area (ft^2)	Total Weighted Factor	Radiation Index
				7	140,970	38.58	0.27
				7	140,970	73.89	0.52
				10	275,970	239.5	0.87
				Computation of R.I.'s by plant + division discontinued as of Oct. 1962			
				BASE PERIOD:			
				BASE PERIOD:			

PENETRATING RADIATION LEVELS

1960 and 1961

SA

CALENDAR YEAR		TECHNICAL DIVISION Number Locations	TECHNICAL DIVISION Total Area (ft²)	TECHNICAL DIVISION Total Weighted Factor	TECHNICAL DIVISION Radiation Index	CHEMICAL DIVISION Number Locations	CHEMICAL DIVISION Total Area (ft²)	CHEMICAL DIVISION Total Weighted Factor	CHEMICAL DIVISION Radiation Index	PRODUCTION DIVISION Number Locations	PRODUCTION DIVISION Total Area (ft²)	PRODUCTION DIVISION Total Weighted Factor	PRODUCTION DIVISION Radiation Index	MAINTENANCE DIVISION Number Locations	MAINTENANCE DIVISION Total Area (ft²)	MAINTENANCE DIVISION Total Weighted Factor	MAINTENANCE DIVISION Radiation Index	INDUSTRIAL RELATIONS DIVISION Number Locations	INDUSTRIAL RELATIONS DIVISION Total Area (ft²)	INDUSTRIAL RELATIONS DIVISION Total Weighted Factor	INDUSTRIAL RELATIONS DIVISION Radiation Index	PROCESS DIV Number Locations	PROCESS DIV Total Area (ft²)
1st. QUARTER		—	—	—	—	7	404,400	4,219	10	—	—	—	—	—	—	—	—	1	1,950	1.5	0.77	1	36,900
2nd. QUARTER		—	—	—	—	7	404,400	2,347	5.8	—	—	—	—	—	—	—	—	1	1,950	1.5	0.77	1	36,900
3rd. QUARTER		—	—	—	—	5	281,100	3,111.88	11	—	—	—	—	—	—	—	—	1	720	0.70	0.97	1	36,900
4th. QUARTER		—	—	—	—	5	281,100	2,557.97	9.1	—	—	—	—	—	—	—	—	1	720	2.1	2.9	1	36,900
Late Rptd. (Current Year)																							
YEAR 1960	Total	—	—	—	—	24	1,371,000	12,235.85	8.9	—	—	—	—	—	—	—	—	4	5,340	5.8	1.1	4	147,600
	Qtly. Av.					6	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	1	—
Late Rptd.																							
1960 Revised	Total																						
	Qtly. Av.																						
BASE PERIOD	Total	BASE PERIOD: 1956-1960 10	493,620	64.94	0.13	120	6,619,980	40,924.85	11	[Includes Proc. Eng. Div.] 22	584,400	264.26	0.45	2	19,500	1.3	0.07	20	35,370	153.80	4.3		See Prod
	Qtly. Av.	0.5	—	—	X	6	—	—	X	1.1	—	—	X	0.1	—		X	1	—	—	X		
1st. QUARTER		—	—	—	—	5	281,100	1,971.88	7.0	1	9,300	2.13	Prod. only 0.71	1	2,520		0	1	720	3.3	4.6	2	40,950
2nd. QUARTER		—	—	—	—	5	281,100	2,095.80	7.5	1	9,300	0	Prod. only 0	1	2,520		0	1	720	5.1	7.1	2	40,950
3rd. QUARTER		2	28,800	224.40	7.8	6	290,100	4,688.14	16	1	9,300	0	Prod. Proc. Eng. 0	—	—	—	—	1	720	5.2	7.2		See Prod
4th. QUARTER		2	28,800	74.8	2.6	6	290,100	2,991.64	10	1	9,300	0	0	—	—	—	—	1	720	2.37	3.3		
Late Rptd. (Current Year)																							
YEAR 1961	Total	4	57,600	299.2	5.2	22	1,142,400	11,747.46	10	4	Prod. 119,100	Proc. Eng. 79.62	0.67	2	5,040	0	0	4	2,880	16	5.6		
	Qtly. Av.	1				5.5				1				0.5				1					
Late Rptd.																							
1961 Revised	Total																						
	Qtly. Av.																						
BASE PERIOD	Total	BASE PERIOD:																					
	Qtly. Av.																						

SP-18 (3-58)

TY AND HEALTH PHYSICS QUARTERLY DATA

IEERING N				
tal ghted ctor	Radiation Index			
26	0.70			
6	0.70			
7.1	0.25			
.16	0.98			
7.26	0.66			
-	—			
6.9	0.90			
0.59	0.99			

OAK RIDGE GASEOUS DIFFUSION PLANT			
Number Locations	Total Area (ft²)	Total Weighted Factor	Radiation Index
9	443,250	4,247	9.6
9	448,250	2,375	5.4
7	318,720	3,121.68	9.8
7	318,720	2,596.23	8.1
32	1,523,940	12,339.91	8.1
8	—	—	—
BASE PERIOD: 1956-1960			
174	7,752,870	41,408.91	5.3
8.7	—	—	—
10	334,590	2,014.21	6.02
10	334,590	2,146.5[illegible]	6.40
10	328,920	4,917.75	15
10	328,920	3,068.81	9.3
40	1,327,020	12,142.28	9.2
10			
BASE PERIOD:			
182	7,443,570	49,204.19	6.6

PENETRATING RADIATION LEVELS

1958 and 1959

SAF

CALENDAR YEAR		TECHNICAL DIVISION				CHEMICAL DIVISION				PRODUCTION DIVISION				MAINTENANCE DIVISION				INDUSTRIAL RELATIONS DIVISION				PROCESS EN DIVISI		
		Number of Locs.	Total Area (ft²)	Total Weighted Factor	Radiation Index	Number of Locs.	Total Area (ft²)	Total Weighted Factor	Radiation Index	Number of Locs.	Total Area (ft²)	Total Weighted Factor	Radiation Index	Number of Locs.	Total Area (ft²)	Total Wei hted Factor	Radiation Index	Number of Locs.	Total Area (ft²)	Total Weighted Factor	Radiation Index	Number of Locs.	Total Area (ft²)	We
1st. QUARTER		—	—	—	—	5	271,500	1,214	4.5	1	12,000	6.2	0.52	—	—	—	—	1	1,590	32	20	1	36,900	
2nd. QUARTER		—	—	—	—	5	271,500	1,703	6.3	1	12,000	6.8	0.57	—	—	—	—	1	1,590	8.5	5.3	1	36,900	
3rd. QUARTER		—	—	—	—	7	404,400	2,821	7.0	1	12,000	1.8	0.15	—	—	—	—	1	1,590	0	0	1	36,900	
4th. QUARTER		—	—	—	—	7	404,400	2,580	6.4	1	12,000	0	0	—	—	—	—	1	1,590	0	0	1	36,900	
Late Rptd. (Current Year)																								
YEAR 1958	Total	—	—	—	—	24	1,351,800	8,318	6.2	4	48,000	15	0.31		—	—	—	4	6,360	41	6.4	4	147,600	
	Qtly. Av.					6	—	—	—	1	—	—						1	—	—	—	1	—	
Late Rptd.																								
19 Revised	Total																							
	Qtly. Av.																							
BASE PERIOD		BASE PERIOD: 1954–1958																						
	Total	20	1,108,020	243	0.22	112	5,674,380	22,132	3.9	18	638,400	96	0.15	2	19,500	1.3	0.07	20	31,800	213	6.7			
	Qtly. Av.	1.0	—	—	—	5.6	—	—	—	0.90	—	—	—	0.10	—	—	—	1.0	—	—	—			
1st. QUARTER		1	15,600	0.84	0.05	6	293,400	1,795	6.1	—	—	—	—	—	—	—	—	1	3,525	21	6.0	1	36,900	
2nd. QUARTER		1	15,600	1.1	0.07	6	293,400	2,629	9.0	—	—	—	—	—	—	—	—	1	3,525	15	4.3	1	36,900	
3rd. QUARTER		—	—	—	—	6	293,400	3,310	11	—	—	—	—	—	—	—	—	1	1,950	0.40	0.21	1	36,900	
4th. QUARTER		—	—	—	—	6	293,400	2,831	9.6	—	—	—	—	—	—	—	—	1	1,950	1.3	0.67	1	36,900	
Late Rptd. (Current Year)																								
YEAR 1959	Total	2	31,200	1.94	0.06	24	1,173,600	10,565	9.0	—	—	—	—	—	—	—	—	4	10,950	38	3.5	4	147,600	
	Qtly. Av.	0.5	—	—	—	6	—	—	—									1	—	—	—	1	—	
Late Rptd.																								
19 Revised	Total																							
	Qtly. Av.																							
BASE PERIOD		BASE PERIOD: 1955–1959																						
	Total	14	800,820	112	0.14	118	6,231,180	30,053	4.8	12	278,100	36	0.13	2	19,500	1.3	0.07	20	36,390	201	5.5	8	295,200	[1957–1959]
	Qtly. Av.	0.7	—	—	—	8.9	—	—	—	0.6	—	—	—	0.10	—		—	1	—	—	—	0.67	—	

SP-16 (3-58)

TY AND HEALTH PHYSICS QUARTERLY DATA

NEERING N				
tal ghted ctor	Radiation Index			
27	0.73			
11	0.30			
6.0	0.16			
16	0.43			
6.0	0.41			
—	—			
	0.47			
3	0.35			
2	0.33			
0	0.87			
6	0.98			
71	0.48			
—	—			
-yn				
31	0.44			
—	—			

	OAK RIDGE GASEOUS DIFFUSION PLANT			
	Number of Locations	Total Area (ft^2)	Total Weighted Factor	Radiation Index
	8	321,990	1,279	4.0
	8	321,990	1,729	5.4
	10	454,890	2,829	6.2
	10	454,890	2,596	5.7
	36	1,553,760	8,433	5.4
	9	—	—	—
	36	1,553,760	8,433	5.4
	9	—	—	—
	BASE PERIOD: 1954-1958			
	184	7,619,700	22,744	3.0
	9.3	—	—	—
	9	349,425	1,830	5.2
	9	349,425	2,657	7.6
	8	312,250	3,320	10
	8	312,250	2,868	8.6
	34	1,323,350	10,675	7.8
	8.5	—	—	—
	34	1,323,350	10,675	7.8
	8.5	—	—	
	BASE PERIOD: 1955-1959			
	174	7,661,190	30,533	4.0
	8.7	—	—	—

PENETRATING RADIATION LEVELS

1956 and 1957

Four-Year Period

1953 - 1956

Five-Year Period

1953 - 1957

CALENDAR YEAR	Technical Division				Chemical Division				Production Division				Maintenance Division				Safety & Protection Division*			
	Number of Locs.	Total Area (ft^2)	Total Weighted Factor	Radiation Index	Number of Locs.	Total Area (ft^2)	Total Weighted Factor	Radiation Index	Number of Locs.	Total Area (ft^2)	Total Weighted Factor	Radiation Index	Number of Locs.	Total Area (ft^2)	Total Weighted Factor	Radiation Index	Number of Locs.	Total Area (ft^2)	Total Weighted Factor	Radiation Index
1st. QUARTER	1	76,800	11.8	0.15	5	325,200	1,641	3.2	—	—	—	—	1	9,750	1.3	0.13	1	1,590	11	6.9
2nd. QUARTER	1	76,800	10.2	0.13	5	325,200	1,343	4.1	—	—	—	—	1	9,750	0	0	1	1,590	8	5
3rd. QUARTER	1	76,800	10.5	0.14	6	326,430	859	2.6	—	—	—	—	—	—	—	—	1	1,590	12	7.5
4th. QUARTER	1	76,800	10.8	0.14	6	326,430	1,016	3.1	—	—	—	—	—	—	—	—	1	1,590	12	7.5
Late Rptd. (Current Year)																				
YEAR 1956 Totals	4	307,200	43	0.14	22	1,303,260	4,259	3.3	—	—	—	—	2	19,500	1.3	0.07	4	6,360	43	6.8
YEAR 1956 Qtly. Avg.	1	76,800	11	X	5.5	325,815	1,065	X	—	—	—	—	0.5	4,875	0.33	X	1	1,590	11	X
Late Rptd. (1957)																				
1956 Revised Totals																				
1956 Revised Qtly. Avg.																				
DIVISIONAL DATA: THREE-YEAR PERIOD - 1954-1956																				
Totals	14	952,800	223	0.23	62	2,902,260	8,247	2.8	8	496,800	60	0.12	2	19,500	1.3	0.07	12	19,080	146	7.7
Qtly. Avg.	1.3	—	—	X	5.2	—	—	X	0.67	—	—		0.16	—	—	X	1	—	—	X
1st. QUARTER	2	77,610	9.9	0.13	6	326,430	1,267	3.9	2	34,800	0	0	—	—	—	—	1	1,590	10.2	6.4
2nd. QUARTER	2	77,610	9.9	0.13	6	326,430	1,163	3.6	2	34,800	5.2	0.15	—	—	—	—	1	1,590	5.1	3.2
3rd. QUARTER	0	—	—	—	7	383,730	1,627	4.2	1	12,000	16	1.3	—	—	—	—	1	1,590	10	6.3
4th. QUARTER	0	—	—	—	7	383,730	1,490	3.9	1	12,000	0	0	—	—	—	—	1	1,590	0.53	0.33
Late Rptd. (Current Year)																				
YEAR 1957 Totals	4	155,220	20	0.13	26	1,420,320	5,547	3.9	6	93,600	21	0.22	—	—	—	—	4	6,360	26	4.1
YEAR 1957 Qtly. Avg.	1	—	—	X	6.5	—	—	X	1.5	—	—	X	—	—	—	—	1	—	—	X
Late Rptd. (1958)																				
1957 Revised Totals	4	155,220	20	0.13	26	1,420,320	5,547	3.9	6	93,600	21	0.22	—	—	—	—	4	6,360	26	4.1
1957 Revised Qtly. Avg.	1	—	—	X	6.5	—	—	X	1.5	—	—	X	—	—	—	—	1	—	—	X
DIVISIONAL DATA: FOUR-YEAR PERIOD — 1954-1957																				
Totals	20	1,108,020	243	0.22	88	4,322,580	13,814	3.2	14	590,400	81	0.14	2	19,500	1.3	0.07	16	25,440	172	6.8
Qtly. Avg.	1.3	—	—	X	5.5	—	—	X	0.88	—	—	X	0.13	—	—	X	1.0	—	—	X

INDUSTRIAL RELATIONS

*On 2-12-57, Safety and Protection Division was combined with Industrial Relations Division. Data for Three-Year Period (1954-1956) and 1957 are for the new combined divisions.

ERLY REPOR DATA

K-25 PLANT			
Number of Locations	Total Area (ft^2)	Total Weighted Factor	Radiation Index
8	413,340	1,065	2.6
8	413,340	1,361	3.3
8	404,820	882	2.2
8	404,820	1,039	2.6
32	1,636,320	4,347	2.7
8	409,080	1,087	
32	1,636,320	4,347	2.7
8	409,080	1,087	
Four [redacted] - YEAR PERIOD 1953 - 1954			
Totals 134	5,714,090	10,727	1.9
Qtly. Avg. 8.4	—	—	—
11	440,430	1,287	2.9
11	440,430	1,183	2.7
9	397,320	1,653	4.2
9	397,320	1,491	3.8
40	1,675,500	5,614	3.4
10	—	—	—
40	1,675,500	5,614	3.4
10	—	—	—
FIVE - YEAR PERIOD 1953 - 1957			
Totals 174	7,389,510	16,341	2.2
Qtly. Avg. 8.7	—	—	—

PENETRATING RADIATION LEVELS

1954 and 1955

Two-Year Period - 1953 - 1954
Three-Year Period - 1953 - 1955

CALENDAR YEAR	Technical Division				Chemical Division				Production Division				Maintenance Division				Safety & Protection Division			
	Number of Loss.	Total Area (ft^2)	Total Weighted Factor	Radiation Index	Number of Loss.	Total Area (ft^2)	Total Weighted Factor	Radiation Index	Number of Loss.	Total Area (ft^2)	Total Weighted Factor	Radiation Index	Number of Loss.	Total Area (ft^2)	Total Weighted Factor	Radiation Index	Number of Loss.	Total Area (ft^2)	Total Weighted Factor	Radiation Index
1st QUARTER	2	76,800	46.08	0.60	4	152,100	284.35	1.87	2	111,900	15.4	0.14					1	1,590	6.95	4.37
2nd "	2	76,800	41.98	0.55	4	152,100	786.26	5.17	2	111,900	26.5	0.24					1	1,590	37.15	23.
3rd "	2	92,400	21.69	0.23	5	156,300	733.6	4.69	1	68,250	17.83	0.26					1	1,590	2.4	1.5
4th "	2	92,400	23.56	0.25	5	156,300	839.29	5.37	1	68,250	0	0					1	1,590	3.29	2.07
Late Rptd (Current Yr.)	-	—	—	-	-	—	—	-	-	—	—	-					-	—	—	—
YEAR 1964 Totals	8	338,400	133.31	0.39	18	616,800	2643.5	4.29	6	360,300	59.73	0.17						6,360	49.79	7.83
YEAR 1964 Qtly. Avg.	2			X	5			X				X								X
Late Rptd 1954 Totals																				
Revised 1954 Qtly. Avg.																				
1st QUARTER	1	76,800	10.74	0.14	5	156,300	86.82	0.56	1	68,250	0	0					1	1,590	7.32	4.6
2nd "	1	76,800	11.26	0.15	5	156,300	70.29	0.45	1	68,250	0	0					1	1,590	12.72	8.0
3rd "	1	76,800	12.3	0.16	6	334,800	484.06	1.4	0	—							1	1,590	17.65	11
4th "	1	76,800	12.3	0.16	6	334,800	722.95	2.2	0	—	—	—					1	1,590	15.69	9.9
Late Rptd (Current Yr)																				
YEAR 1955 Totals	4	307,200	46.6	0.15	22	982,200	1,364.12	1.4	2	136,500	0	0					4	6,360	53.38	8.4
YEAR 1955 Qtly. Avg.	1			X	6			X	0.5			X								X
Late Rptd 1955 Totals																				
Revised 1955 Qtly. Avg.																				
DIVISIONAL DATA: TWO-YEAR PERIOD - 1954-1955																				
Totals		645,600	180	0.28		1,599,000	4,008	2.5		496,800	60	0.12						12,720	103	8.1
Qtly Avg	1.5			—	5				1			—					1			—

				K-25 PLANT			
				Number of Locations	Total Area (ft²)	Total Weighted Factor	Radiation Index
					342,390	352.78	1.03
					342,390	891.89	2.60
					318,540	775.52	2.43
					318,540	866.14	2.72
				—	—	—	—
					1,321,860	2,886.33	2.18
					330,465	721.58	X
				—	—	—	—
				46	1,321,860	2,886.33	
				12	330,465	721.58	X
			2 ~~FIVE~~ - YEAR PERIOD 1952 - 1954				
			Totals		2,645,510	4,915.64	1.86
			Qtly Avg		330,689	614.46	X
				8	322,940	104.88	0.35
				8	322,940	94.27	0.31
				8	413,190	514.01	1.2
				8	413,190	750.94	1.8
				32	1,472,260	1,464.1	1.02
				8			X
			3 ~~FIVE~~ - YEAR PERIOD 1953 - 1955				
			Totals	102	4,077,770	6,379	1.6
			Qtly Avg	9	339,814	—	—

PENETRATING RADIATION LEVELS

1953

(Calendar Year)	K-25 PLANT			
	Number of Locations	Total Area (ft^2)	Total Weighted Factor	Radiation Index
First Quarter				
Second Quarter				
Third Quarter				
Fourth Quarter				
Late Reported (Current Yr)				
Totals, Year 19				
Quarterly Average				
Late Reported				
Year 19 Revised				
Quarterly Average				
Five-Year Period 19 - 19				
Totals				
Qtly Avg				
First Quarter				
Second Quarter				
Third Quarter				
Fourth Quarter				
Late Rptd. (Current Yr)				
Totals, Year 1953		1,323,650	2,029.31	1.53
Quarterly Average		330,913	507.33	X
Late Reported 1952	—	—	—	—
Year 1953 Revised	24	1,323,650	2,029.31	1.53
Quarterly Average	6	330,913	507.33	
Five-Year Period 19 - 19				
Totals				
Qtly Avg				

LONG-TERM AIR SAMPLE DATA

1956 and 1957

Four-Year Period

1953 - 1956

Five-Year Period

1953 - 1957

CALENDAR YEAR	Technical Division				Chemical Division				Production Division				Maintenance Division				Process Engineering			
	Number of Samples Taken	Number Over PAL	Total Activity (c/m/ft3)	Avg Activity Per Sample	Number of Samples Taken	Number Over PAL	Total Activity (c/m/ft3)	Avg Activity Per Sample	Number of Samples Taken	Number Over PAL	Total Activity (c/m/ft3)	Avg Activity Per Sample	Number of Samples Taken	Number Over PAL	Total Activity (c/m/ft3)	Avg Activity Per Sample				
1st. QUARTER	172	3	23	0.13	2,122	44	301	0.14	669	4	21	0.03	53	0	4.2	0.08				
2nd. QUARTER	277	4	27	0.10	1,819	50	411	0.23	666	7	30	0.05	54	0	3.3	0.06				
3rd. QUARTER	333	0	12	0.04	1,663	21	157	0.09	614	3	64	0.10	—	—	—	—				
4th. QUARTER	333	5	37	0.11	1,683	24	133	0.08	673	4	43	0.06	—	—	—	—				
Late Rptd. (Current Year)																				
YEAR 1958 Totals	1,115	12	99	0.09	7,287	139	1,002	0.14	2,622	18	158	0.06	107	0	7.5	0.07				
YEAR 1958 Qtly. Avg.	279	3	25	X	1,822	35	251	X	656	4.5	40	X	27	0	1.9	X				
Late Rptd. (1959)																				
1958 Revised Totals																				
1958 Revised Qtly. Avg.																				
DIVISIONAL DATA: THREE-YEAR PERIOD - 1954-1956																				
Totals	3,127	23	194	0.06	13,859	259	2,042	0.15	7,281	59	998	0.14	848	18	630	0.74				
Qtly. Avg.	261	1.9	16	X	1,155	24	170	X	607	4.9	83	X	71	1.5	53	X				
1st. QUARTER	379	11	66	0.17	1,652	10	102	0.06	524	0	7.5	0.01	—	—	—	—	78	0	5.5	0.07
2nd. QUARTER	286	0	8.4	0.03	1,530	6	56	0.04	544	2	14	0.03	—	—	—	—	80	0	2.8	0.04
3rd. QUARTER	127	0	6.1	0.05	1,715	13	84	0.05	534	1	9.4	0.02	—	—	—	—	166	0	5.2	0.03
4th. QUARTER	334	3	35	0.10	1,467	19	168	0.11	533	1	6.4	0.01	—	—	—	—	78	0	4.0	0.05
Late Rptd. (Current Year)																				
YEAR 1957 Totals	1,126	14	116	0.10	6,364	48	410	0.04	2,155	4	37	0.02	—	—	—	—	402	0	18	0.04
YEAR 1957 Qtly. Avg.	282	3.5	29	X	1,591	12	103	X	539	1	9.3	X								
Late Rptd. (1959)																				
1957 Revised Totals	1,126	14	116	0.10	6,364	48	410	0.06	2,155	4	37	0.02	—	—	—	—	402	0	18	0.04
1957 Revised Qtly. Avg.	282	3.5	29	X	1,591	12	103	X	539	1	9.3	X								
DIVISIONAL DATA: FOUR-YEAR PERIOD — 1954-1957																				
TOTALS	4,353	37	310	0.07	20,223	337	2,452	0.12	9,436	63	1,035	0.11	848	18	630	0.74				
Qtly. Avg.	266	2.3	—	X	1,264	21	—	—	590	3.9	—	X	53	1.1	—	X				

TERLY REPC DATA

				K-25 PLANT			
				Number of Samples Taken	Number Over PAL	Total Activity (c/m/ft^3)	Average Activity Per Sample
				3,016	51	349	0.12
				2,816	61	471	0.17
				2,610	24	233	0.09
				2,689	33	213	0.08
				11,131	169	1,246	0.11
				2,783	42	317	~~X~~
				11,131	169	1,246	0.11
				2,783	42	317	~~X~~
Four [redacted] - YEAR PERIOD 1953 - 1956							
Totals				33,236	444	4,654	0.14
Qtly. Avg.				2,077	28	291	~~X~~
				2,633	21	181	0.07
				2,460	8	81	0.03
				2,542	14	105	0.04
				2,412	23	213	0.09
				10,047	66	580	0.06
				2,512	17	145	~~X~~
				10,047	66	580	0.06
				2,512	17	145	~~X~~
FIVE - YEAR PERIOD 1953 - 1957							
Totals				43,283	510	5,234	0.12
Qtly. Avg.				2,164	26	—	~~X~~

L O N G - T E R M A I R S A M P L E D A T A

1954 and 1955

Two-Year Period - 1953 - 1954

Three-Year Period - 1953 - 1955

CALENDAR YEAR	Technical Division				Chemical Division				Production Division				Maintenance Division			
	Number of Samples Taken	Number Greater than P A L	Total Activity (c/m/ft³)	Avg. Activity per Sample	Number of Samples Taken	Number Greater than P A L	Total Activity (c/m/ft³)	Avg. Activity per Sample	Number of Samples Taken	Number Greater than P A L	Total Activity (c/m/ft³)	Avg. Activity per Sample	Number of Samples Taken	Number Greater than P A L	Total Activity (c/m/ft³)	Avg. Activity per Sample
1st QUARTER	346	0	14.52	0.042	536	32	122.04	0.228	703	2	68.52	0.097	46	0	1.05	0.023
2nd "	395	0	2.83	0.007	1,357	18	190.48	0.141	711	9	78.33	0.110	74	0	2.88	0.039
3rd "	52	0	0.10	0.002	939	15	145.28	0.155	442	12	420.887	0.952	101	1	9.476	0.094
4th "	27	0	0.310	0.011	739	21	190.68	0.258	400	7	153.39	0.383	112	1	15.526	0.139
Late Rptd (Current Yr.)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
YEAR 1954 Totals	820	0	17.76	0.022	3,568	86	648.49	0.182	2,205	30	721.14	0.327	333	2	28.44	0.087
YEAR 1954 Qtly. Avg.	205	0	4.44	X	892	22	162.12	X	551	7.5	180.29	X	83	0.5	7.24	X
Late Rptd (1955)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1954 Revised Totals	820	0	17.76	0.022	3,568	86	648.49	0.182	2,205	30	721.14	0.327	333	2	28.44	0.087
1954 Revised Qtly. Avg.	205	0	4.44	X	892	22	162.12	X	551	7.5	180.29	X	83	0.5	7.24	X
1st QUARTER	290	2	20.650	0.071	599	21	134.381	0.224	397	3	60.624	0.153	123	5	21.551	0.178
2nd "	327	0	12.010	0.037	772	10	60.749	0.079	663	0	7.048	0.011	123	9	5.592	4.546
3rd "	340	1	6.680	0.020	436	2	22.862	0.052	699	4	20.157	0.029	91	0	[illegible]	0.031
4th "	235	8	37.840	0.161	1,197	31	173.078	0.145	631	4	30.326	0.048	68	2	9.36	0.137
Late Rptd (Current Yr)									64	0	0.426					
YEAR 1955 Totals	1,192	11	77.180	0.065	3,004	64	391.070	0.130	2,454	11	118.581	0.048	408	16	593.[illegible]	1.455
YEAR 1955 Qtly. Avg.	298	2.75	19.295	X	751	16	97.768	—	614	2.75	29.720	—	102	4	148.[illegible]	—
Late Rptd (1956)																
1955 Revised Totals																
1955 Revised Qtly. Avg.																
DIVISIONAL DATA: TWO-YEAR PERIOD - 1954-1955																
TOTALS	2,012	11	95	0.05	6,572	150	1,040	0.16	4,659	41	840	0.18	741	18	62[illegible]	0.84
QTLY AVG	252	1.4	12	—	822	19	130	—	582	5.1	105	—	93	2.3	78	—

K-25 PLANT			
Number of Samples Taken	Number Greater than P A L	Total Activity (c/m/ft^3)	Average Activity per Sample
1,631	34	206.14	0.13
2,534	27	274.53	0.108
1,534	28	575.740	0.375
1,278	29	359.902	0.292
—	—	—	—
6,977	118	1,416.31	0.203
1,744	30	354.08	X
—	—	—	—
6,977	118	1,416.31	0.203
1,744	30	354.08	X
2 ~~PERIOD~~ - YEAR PERIOD 1953 - 1954			
Totals 15,047	172	2,207.238	0.147
Qtly Avg 1,926	22	275.905	X
1,409	31	237.542	0.169
1,885	19	638.960	0.339
1,567	7	[illegible]	0.034
2,131	45	250.550	0.118
64	0	7.726	
7,058	102	1,180.650	0.167
1,765	26	295.163	X
7,058	102	1,180.650	0.167
1,765	24	295.162	X
2 ~~PERIOD~~ - YEAR PERIOD 1954 - 1955			
Totals 22,105	275	3,388	0.15
Qtly Avg 1,842	23	282	—

LONG-TERM AIR SAMPLE DATA

1953

(Calendar Year)	K-25 PLANT			
	Number of Samples Taken	Number greater than PAL	Total Activity (c/m/ft^3)	Average Activity per Sample
First Quarter				
Second Quarter				
Third Quarter				
Fourth Quarter				
Late Reported (Current Yr)				
Totals, Year 1952	~~8,611~~	~~55~~	~~790.928~~	~~0.098~~
Quarterly Average	~~2,018~~	~~14~~	~~197.73~~	X
Late Reported (1953)	—	—	—	—
Year 1952 Revised	~~8,611~~			
Quarterly Average				X
Five-Year Period 19 - 19				
Totals				
Qtly Avg				
First Quarter				
Second Quarter				
Third Quarter				
Fourth Quarter				
Late Rptd. (Current Yr)				
Totals, Year 1953	8,070	55	790.928	0.098
Quarterly Average	2,018	14	197.73	X
Late Reported (1954)	—	—	—	—
Year 1953 Revised	8,070	55	790.928	0.098
Quarterly Average	2,018	14	197.73	X
Five-Year Period 19 - 19				
Totals				
Qtly Avg				

SPOT AIR SAMPLE DATA

1966 and 1967

OAK RIDGE GASEOUS DIFFUSION PLANT	Number Samples	Number > PAL	Total Activity (c/m/ft^3)	Average Activity Per Sample
First Quarter	33	6	57.56	
Second Quarter	—	—	—	
Third Quarter	—	—	—	
Fourth Quarter	20	13	132.91	6.65
Late Rptd. (Current Year)				
YEAR 1966 Total	53	19	190.47	3.59
Qtly. Av.	13	5		
Late Rptd.				
YEAR 1966 (Rev) Total				
Qtly. Av.				
Base Period: 1962-1966				
Total	694	177	17686.57	25.48
Qtly Av	35	6.1		
First Quarter	7	2	6.95	0.99
Second Quarter	10	0	0.48	0.05
Third Quarter	16	9	1498.45	93.65
Fourth Quarter	16	0	6.31	0.39
Late Rptd. (Current Year)				
YEAR 1967 Total	49	11	1517.19	30.86
Qtly. Av.	17	3		
Late Rptd.				
YEAR 1967 (Rev) Total				
Qtly. Av.				
Base Period:				
Total				
Qtly Av				

SPOT AIR SAMPLE DATA

1964 and 1965

CALENDAR YEAR		TECHNICAL DIVISION				PRODUCTION DIVISION				MAINTENANCE DIVISION				Health and Safety				
		Number Samples	Number > PAL	Total Activity	Av. Activity	Number Samples	Number > PAL	Total Activity	Av. Activity	Number Samples	Number > PAL	Total Activity	Av. Activity					
1st. QUARTER		0	—	—	—	35	2	1,686.04	48.17	0	—	—	—					
2nd. QUARTER		—	—	—	—	12	3	34.15	2.85	—	—	—	—					
3rd. QUARTER		—	—	—	—	4	0	0.81	0.20	—	—	—	—					
4th. QUARTER		—	—	—	—	27	6	46.65	1.73	—	—	—	—					
Late Rptd. (Current Year)																		
YEAR 1964	Total	0	—	—	—	78	11	1,762.65	22.66	0	—	—						
	Qtly. Av.																	
Late Rptd.																		
1964 Revised	Total																	
	Qtly. Av.																	
BASE PERIOD		BASE PERIOD:																
	Total																	
	Qtly. Av.																	
1st. QUARTER		0	—	—	—	123	49	13,562.13	110.30	0	—	—	—	6	0	2.81	0.47	
2nd. QUARTER		5	0	0.68	0.14	10	1	7.88	0.79	17	5	115.86	6.82					
3rd. QUARTER		0	—	—	—	37	2	125.75	3.40	—								
4th. QUARTER		8	0	0.58	0.07	92	24	1,228.92	13.36	4	0	0.36	0.09					
Late Rptd. (Current Year)																		
YEAR 1965	Total	13	0	1.26	0.10	262	77	14,929.68	56.98	21	5	116.22	5.53	6	0	2.81	0.47	
	Qtly. Av.																	
Late Rptd.																		
1965 Revised	Total																	
	Qtly. Av.																	
BASE PERIOD		BASE PERIOD:																
	Total																	
	Qtly. Av.																	

SP-18 (3-58)

LY DATA

OAK RIDGE GASEOUS DIFFUSION PLANT			
Number Samples	Number > PAL	Total Activity (c/m/ft^3)	Average Activity Per Sample
35	2	1,686.04	48.17
12	3	34.15	2.85
4	0	0.81	0.20
27	6	46.65	1.73
28	11	1,262.65	22.66
20	2.8		—
BASE PERIOD: 1960-1964			
1,482	151	3,500.95	2.36
74	7.4	—	-
129	49	13,569.74	105.19
32	6	124.42	3.89
37	3	125.75	3.40
104	24	1,229.86	11.83
302	82	15,049.77	50.00
76	20.5	—	-
BASE PERIOD: 1961-1965			
933	145	17,779.92	19.06
47	7.3		

SPOT AIR SAMPLE DATA

1962 and 1963

CALENDAR YEAR		TECHNICAL DIVISION				CHEMICAL DIVISION				PRODUCTION DIVISION				MAINTENANCE DIVISION			
		Number Samples	Number > PAL	Total Activity	Av. Activity	Number Samples	Number > PAL	Total Activity	Av. Activity	Number Samples	Number > PAL	Total Activity	Av. Activity	Number Samples	Number > PAL	Total Activity	Av. Activity
1st. QUARTER		3	0	0.09	0.03	—	—	—	—	34	0	4	0.12	25	0	1.81	0.07
2nd. QUARTER		—	—	—	—	—	—	—	—	5	0	0.55	0.11	16	0	0.46	0.03
3rd. QUARTER		12	0	0.82	0.07	—	To	R.&D. Div.	—	23	3	28.87	1.3	3	0	0.15	0.05
4th. QUARTER		11	0	0.14	0.01	—	—	—	—	17	2	7.2	0.42	—	—	—	—
Late Rptd. (Current Year)																	
YEAR 1962	Total	26	0	1.07	0.04	—	—	—	—	79	5	40.64	0.51	44	0	2.42	0.06
	Qtly. Av.																
Late Rptd.																	
1962 Revised	Total																
	Qtly. Av.																
BASE PERIOD		BASE PERIOD:															
	Total																
	Qtly. Av.																
1st. QUARTER		8	0	0.67	0.08	—	—	—	—	29	1	6.27	0.22	17	0	0.68	0.04
2nd. QUARTER		14	0	0.31	0.02					12	0	0.45	0.04	—	—	—	—
3rd. QUARTER		—	—							15	0	0.11	0.01	13	0	0.11	0.01
4th. QUARTER		—	—							4	4	625.7	156.	—	—	—	
Late Rptd. (Current Year)																	
YEAR 1963	Total	22	0	1.08	0.05					60	5	632.53	10.54	30	0	0.79	0.03
	Qtly. Av.																
Late Rptd.																	
1963 Revised	Total																
	Qtly. Av.																
BASE PERIOD		BASE PERIOD:															
	Total																
	Qtly. Av.																

SP-18 (3-58)

ERLY DATA

					OAK RIDGE GASEOUS DIFFUSION PLANT			
					Number Samples	Number > PAL	Total Activity (c/m/ft^3)	Average Activity Per Sample
					62	0	5.9	0.10
					21	0	1.01	0.05
					38	3	29.86	0.79
					28	2	7.36	0.26
					149	5	44.13	0.30
					37	1.3		—
					BASE PERIOD: 1958-1962			
					3,079	327	4,906	1.6
					154	16		—
					54	1	2.62	0.14
					26	0	0.26	0.03
					28	0	0.22	0.01
					4	4	625.7	156.00
					112	5	634.3	5.66
					28	1.25		
					BASE PERIOD: 1959-1963			
					2,296	222	4,677.3	2.0
					115	11		—

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SPOT AIR SAMPLE DATA

1960 and 1961

CALENDAR YEAR		TECHNICAL DIVISION				CHEMICAL DIVISION				PRODUCTION DIVISION				MAINTENANCE DIVISION				PROCESS ENGINEERING DIVISION			
		Number Samples Taken	Number Over PAL	Total Activity (c/m/ft³)	Av. Activity Per Sample	Number Samples Taken	Number Over PAL	Total Activity (c/m/ft³)	Av. Activity Per Sample	Number Samples Taken	Number Over PAL	Total Activity (c/m/ft³)	Av. Activity Per Sample	Number Samples Taken	Number Over PAL	Total Activity (c/m/ft³)	Av. Activity Per Sample	Number Samples Taken	Number Over PAL	Total Activity (c/m/ft³)	Av. Activity Per Sample
1st. QUARTER		8	0	0.82	0.10	160	40	371	2.3	10	0	0.38	0.04	28	3	17	0.61	36	0	2.6	0.07
2nd. QUARTER		18	0	1.2	0.07	170	23	212	1.2	8	0	0.06	0.01	24	0	3.0	0.12	35	0	2.0	0.06
3rd. QUARTER		10	0	0.53	0.05	150	13	113	0.75	9	0	0.13	0.02	16	0	2.0	0.13	24	0	1.24	0.05
4th. QUARTER		15	0	0.52	0.03	100	9	40	0.40	—	—	—	—	13	0	2	0.15	17	0	1.2	0.07
Late Rptd. (Current Year)																					
YEAR 1960	Total	51	0	3.1	0.06	580	85	736	1.3	25	0	0.57	0.02	83	3	24	0.29	112	0	7.0	0.06
	Qtly. Av.	13	0	—	—	145	21	—	—	6.3	0	—	—	21	0.7	—	·	28	0	—	—
Late Rptd.																					
1960 Revised	Total																				
	Qtly. Av.																				
BASE PERIOD		BASE PERIOD: 1956 – 1960								Include Proc. Eng. Div											
	Total	268	6	53	0.20	2,813	360	4,055	1.4	948	25	8,797.42	3.0	270	5	77.1	0.29	See Prod. Div.			
	Qtly. Av.	54	1.2	—	—	563	72	—	—	190	5	—	—	54	1	·	—				
1st. QUARTER		8	0	0.56	0.07	132	25	137	1.04	2	0	0.07	0.04	13	1	4.4	0.34	12	0	0.67	0.06
2nd. QUARTER		5	0	0.30	0.06	83	16	1.36	1.6	4	0	0.04	0.01	16	0	3.3	0.21	9	0	0.94	0.10
3rd. QUARTER		—	—	—	—	—	—	—	—	5	0	1.32	0.26	2	0	0.02	0.01	See Prod. Div.			
4th. QUARTER		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—				
Late Rptd. (Current Year)										Prod + Proc. Eng.											
YEAR 1961	Total	13	0	0.86	0.07	215	41	273	1.3	32	0	3.04	0.10	32	1	7.7	0.24				
	Qtly. Av.																				
Late Rptd.																					
1961 Revised	Total																				
	Qtly. Av.																				
BASE PERIOD		BASE PERIOD:																			
	Total																				
	Qtly. Av.																				

SP-18 (3-58)

ERLY DATA

OAK RIDGE GASEOUS DIFFUSION			
Number Samples Taken	Number Over PAL*	Total Activity (c/m/ft³)	Average Activity Per Sample
242	43	391	1.6
257	23	218	0.85
207	13	118	0.57
145	9	44	0.30
851	88	771	0.91
213	22	—	—
BASE PERIOD: 1956-1960			
4,299	396	6,983	1.6
215	20	—	—
167	26	143	0.86
117	16	140	1.2
8	0	1.34	0.17
292	42	284	0.97
73	11	—	—
BASE PERIOD: 1957-1961			
3,804	380	5,686	1.5
190	19		

* NOTE: Effective 7-1-61, PAL for air samples is 2.0 in place of the former 1.0.

SPOT AIR SAMPLE DATA

1958 and 1959

CALENDAR YEAR		TECHNICAL				CHEMICAL				PRODUCTION				MAINTENANCE				PROCESS ENGINEERING			
		Number of Samples Taken	Number Over P.A.L.	Total Activity (c/m/ft³)	Av Activity Per Sample	Number of Samples Taken	Number Over P.A.L.	Total Activity (c/m/ft³)	Av Activity Per Sample	Number of Samples Taken	Number Over P.A.L.	Total Activity (c/m/ft³)	Av Activity Per Sample	Number of Samples Taken	Number Over P.A.L.	Total Activity (c/m/ft³)	Av Activity Per Sample	Number of Samples Taken	Number Over P.A.L.	Total Activity (c/m/ft³)	Av Activity Per Sample
1st. QUARTER		16	0	2.4	0.15	160	33	190	1.2	19	0	0.87	0.05	14	1	42	3.0	26	5	76	2.9
2nd. QUARTER		14	0	0.80	0.06	134	20	138	1.0	20	0	0.93	0.05	20	1	4.0	0.20	27	2	72	2.7
3rd. QUARTER		21	0	1.0	0.05	159	11	86	0.54	6	0	0.07	0.01	10	0	0.62	0.06	26	0	1.4	0.05
4th. QUARTER		20	2	5.3	0.27	168	34	238	1.4	7	0	0.54	0.08	3	0	0.06	0.02	25	1	3.6	0.14
Late Rptd. (Current Year)																					
YEAR 1958	Total	71	2	9.5	0.13	621	98	652	1.05	52	0	2.4	0.05	47	2	47	1.0	104	8	153	1.5
	Qtly. Av.	18	0.5	—	—	155	25	—	—	13	0	—	—	12	0.5	—	—	26	2	—	—
Late Rptd.																					
19 Revised	Total																				
	Qtly. Av.																				
BASE PERIOD		BASE PERIOD: 1954–1958																			
	Total	470	12	102	0.22	2,843	314	3,614	1.3	1,169	22	381	0.33	535	14	142	.27	[illegible]	16	[illegible]	[illegible]
	Qtly. Av.	24	0.60	—	—	142	16	—	—	58	1.1	—	—	27	0.70	—	—	[illegible]	[illegible]		
1st. QUARTER		16	0	0.59	0.04	165	26	310	1.9	7	0	0.38	0.05	15	0	1.1	0.07	29	2	7.1	0.24
2nd. QUARTER		16	1	2.1	0.13	163	13	131	0.80	7	0	0.16	0.02	13	0	0.33	0.03	28	0	2.2	0.08
3rd. QUARTER		10	0	0.93	0.09	156	15	122	0.78	11	0	0.18	0.02	15	0	1.1	0.07	27	0	1.0	0.04
4th. QUARTER		17	1	5.55	0.33	144	23	254	1.8	8	0	0.23	0.03	18	0	1.1	0.06	27	1	2,102	79
Late Rptd. (Current Year)																					
YEAR 1959	Total	59	2	9.2	0.16	628	77	817	1.3	33	0	0.95	0.03	61	0	3.6	0.06	111	3	2,112	19
	Qtly. Av.	15	0.5	-	—	157	19	-	—	8.3	0	-	—	15	0	-	—	28	0.75	-	-
Late Rptd.																					
1959 Revised	Total																				
	Qtly. Av.																				
BASE PERIOD		BASE PERIOD: 1955–1959																[1957–1959 2-yr]			
	Total	317	11	81	0.26	2,754	313	3,597	1.3	789	13	333	0.42	252	8	103	0.41	314	19	2,488	7.9
	Qtly. Av.	16	0.55	—	—	138	16	—	—	39	0.65	—	—	13	0.4	—		26	1.6	—	—

SP-18 (3-58)

			OAK RIDGE GASEOUS DIFFUSION PLANT			
			Number Samples Taken	Number Over P.A.L.	Total Activity (c/m/ft^3)	Average Activity Per Sample
			235	39	311	1.3
			215	23	216	1.0
			222	11	89	0.40
			223	37	247	1.1
			895	110	863	0.96
			224	28	216	—
			895	110	863	0.96
			224	28	216	
			BASE PERIOD: 1954-1958			
			5,221	378	4,614	0.88
			261	19	—	—
			232	28	320	1.4
			227	14	136	0.60
			219	15	125	0.57
			214	25	2,363	11
			892	82	2,944	3.3
			223	21	—	—
			892	82	2,944	3.3
			223	21	—	—
			BASE PERIOD: 1955-1959			
			4,426	364	6,603	1.5
			221	18	—	—

SPOT AIR SAMPLE DATA

1956 and 1957

Four-Year Period

1953 - 1956

Five-Year Period

1953 - 1957

CALENDAR YEAR	Technical Division				Chemical Division				Production Division				Maintenance Division				Process Engineering Division			
	Number of Samples Taken	Number Over PAL	Total Activity (c/m/ft³)	Avg Activity Per Sample	Number of Samples Taken	Number Over PAL	Total Activity (c/m/ft³)	Avg Activity Per Sample	Number of Samples Taken	Number Over PAL	Total Activity (c/m/ft³)	Avg Activity Per Sample	Number of Samples Taken	Number Over PAL	Total Activity (c/m/ft³)	Avg Activity Per Sample	Number of Samples Taken	Number Over PAL	Total Activity (c/m/ft³)	
1st. QUARTER	12	0	1.0	0.08	117	22	1,026	8.8	67	2	8.0	0.12	9	0	0.23	0.03				
2nd. QUARTER	9	0	1.03	0.11	116	10	66	0.57	73	1	24	0.33	5	0	0.29	0.06				
3rd. QUARTER	9	1	22.	2.4	117	8	37	0.32	53	0	2.2	0.04	8	0	0.37	0.05				
4th. QUARTER	9	0	0.01	0.001	114	11	132	1.2	56	3	260	4.6	13	0	0.49	0.04				
Late Rptd. (Current Year)																				
YEAR 1954 Totals	39	1	24	0.62	464	51	1,261	2.7	249	6	294	1.2	35	0	1.4	0.04				
YEAR 1954 Qtly. Avg.	9.8	0.25	6	X	116	13	315	X	62	1.5	74	X	8.8	0	0.35	X				
Late Rptd. (1957)																				
1954 Revised Totals																				
1954 Revised Qtly. Avg.																				
DIVISIONAL DATA: THREE-YEAR PERIOD - 1954-1956																				
TOTALS	351	9	85	0.24	1,702	167	2,373	1.4	954	22	304	0.39	444	12	94	0.21				
QTRLY. Avg.	29	0.75	7.1	X	142	14	198	X	80	1.8	31	X	37	1	7.8	X				
1st. QUARTER	9	1	4	0.44	115	12	52	0.45	45	0	0.93	0.02	15	0	0.34	0.02	22	1	20	0.9
2nd. QUARTER	15	0	1.6	0.11	129	8	290	2.4	47	0	2.1	0.04	19	0	0.33	0.02	28	3	105	3.8
3rd. QUARTER	12	0	0.53	0.04	133	8	103	0.77	38	0	0.73	0.02	5	0	0.17	0.03	26	3	94	3.6
4th. QUARTER	12	0	1.1	0.09	143	21	144	1.0	33	0	0.76	0.02	5	0	0.28	0.06	23	1	4.3	0.19
Late Rptd. (Current Year)																				
YEAR 1957 Totals	48	1	7.2	0.15	520	49	589	1.1	163	0	4.5	0.03	44	0	1.1	0.03	99	8	223	2.3
YEAR 1957 Qtly. Avg.	12	0.25	1.8	—	130	12	147	X	41	0	1.1	X	11	0	0.28	X				X
Late Rptd. (1958)																				
1957 Revised Totals	48	1	7.2	0.15	520	49	589	1.1	163	0	4.5	0.03	44	0	1.1	0.03	99	8	223	2.3
1957 Revised Qtly. Avg.	12	0.25	1.8	—	130	12	147	X	41	0	1.1	X	11	0	0.28	X				X
DIVISIONAL DATA: FOUR-YEAR PERIOD — 1954-1957																				
TOTALS	399	10	92	0.23	2,222	216	2,962	1.3	1,117	22	379	0.34	488	12	95	0.19				
QTRLY. Avg.	25	0.63	—	X	139	14	—	X	70	1.4	—	X	31	0.75	—	X				

** Division formed on 1-12-57

UARTERLY REPORT DATA

	K-25 PLANT			
	Number of Samples Taken	Number Over PAL	Total Activity (c/m/ft^3)	Average Activity per Sample
	205	24	1,035	5.0
	203	11	91	0.45
	187	9	62	0.33
	192	14	393	2.0
	787	58	1,581	2.0
	197	15	395	X
	787	58	1,581	2.0
	197	15	395	X
Four [redacted]-YEAR PERIOD 1953 - 1956				
Totals	4,619	482	2,927 *	0.85*
Qtly. Avg.	213	30	244	—
	206	14	77	0.37
	208	11	399	1.7
	214	11	198	0.93
	216	22	150	0.69
	874	58	824	0.94
	219	15	206	X
	874	58	824	0.94
	219	15	206	
FIVE - YEAR PERIOD 1953 - 1957				
Totals	5,563	540	3,751 **	0.87 **
Qtly. Avg.	278	27	—	X

* Values available for 1954-1956 only.

** Values available for 1954-1957 only.

CALENDAR YEAR	Maintenance Division			Production Division			Chemical Division			Laboratory Division			Engineering Division				
	Toxic or Corrosive	Radio-active	Miscel-laneous	Toxic or Corrosive	Radio-active	Miscel-laneous	Toxic or Corrosive	Radio-active	Miscel-laneous	Toxic or Corrosive	Radio-active	Miscel-laneous	Toxic or Corrosive	Radio-active	Miscel-laneous	Toxic or Corrosive	Radi acti
1st QUARTER	0	0	0	0	3	0	1	0	0	0	1	0	0	2	0		
2nd "	0	0	0	0	3	0	0	0	0	0	1	0	0	1	0		
3rd "	0	1	0	1	1	0	0	1	0	0	0	0	2	0	0		
4th "	0	1	0	0	8	0	0	2	0	0	1	0	0	0	0		
Late Rptd (Current Yr.)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
YEAR 1952 Totals	0	2	0	1	15	0	1	3	0	0	3	0	2	3	0		
YEAR 1952 Qtly. Avg.	0	0.5	0	0.25	3.75	0	0.25	0.75	0	0	0.75	0	0.5	0.75	0		
Late Rptd (1953)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
1952 Revised Totals	0	2	0	1	15	0	1	3	0	0	3	0	2	3	0		
1952 Revised Qtly. Avg.	0	0.5	0	0.25	3.75	0	0.25	0.75	0	0	0.75	0	0.5	0.75	0		
1st QUARTER	0	0	0	0	2	0	2	0	0	0	2	0	2	0	0		
2nd "	0	0	0	0	0	1	2	1	0	1	1	0	0	2	0		
3rd "	0	0	0	0	1	0	1	0	0	0	1	0	0	3	0		
4th "	0	0	0	0	0	0	1	1	0	0	0	0	0	1	0		
Late Rptd (Current Yr)	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0		
YEAR 1953 Totals	0	0	0	0	3	1	6	3	0	1	4	0	2	6	0		
YEAR 1953 Qtly. Avg.	0	0	0	0	0.75	0.25	1.5	0.75	0	0.25	1	0	0.5	1.5	0		
Late Rptd (1954)	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0		
1953 Revised Totals	0	2	0	0	3	1	6	3	0	1	4	0	2	6	0		
1953 Revised Qtly. Avg.	0	0.5	0	0	0.75	0.25	1.5	0.75	0	0.25	1	0	0.5	1.5	0		

Note: Effective January 1, 1954, the Laboratory and Engineering Divisions were combined to form the Technical Division.

SPOT AIR SAMPLE DATA

1954 and 1955

Two-Year Period - 1953 - 1954

Three-Year Period - 1953 - 1955

CALENDAR YEAR	Technical Division				Chemical Division				Production Division				Maintenance Division				Manufacturing Office Division			
	Number of Samples Taken	Number Greater Than PAL	Total Activity (c/m/ft³)	Avg. Activity per Sample	Number of Samples Taken	Number Greater than PAL	Total Activity (c/m/ft³)	Avg. Activity per Sample	Number of Samples Taken	Number greater than PAL	Total Activity (c/m/ft³)	Avg. Activity per Sample	Number of Samples Taken	Number greater than PAL	Total Activity (c/m/ft³)	Avg. Activity per Sample	Number of Samples Taken	Number Greater than PAL	Total Activity (c/m/ft³)	Avg. Activity per Sample
1st QUARTER	61	1	17.39	0.29	190	23	72.39	0.38	105	2	12.58	0.12	96	1	10.45	0.11	1	0	0.00	0.00
2nd "	60	2	6.40	0.11	192	16	60.97	0.32	105	1	8.91	0.08	87	2	9.88	0.11	1	0	0.012	0.012
3rd "	55	0	2.94	0.05	170	9	62.08	0.37	111	1	13.36	0.12	95	1	12.17	0.13	—	—	—	—
4th "	36	0	2.98	0.08	165	30	637.95	3.87	92	4	14.18	0.15	66	2	9.71	0.15	—	—	—	—
Late Rptd (Current Yr.)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
YEAR Totals	212	3	29.71	0.14	717	78	833.39	1.16	413	9	49.03	0.12	344	6	42.21	0.12	2	0	0.012	0.006
1954 Qtly. Avg.	53	0.75	7.43	X	179	20	208.35	X	103	2.25	12.26	X	86	1.5	10.55	X	0.5	0	0.003	X
Late Rptd (1955)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1954 Totals	212	3	29.71	0.14	717	78	833.39	1.16	413	9	49.03	0.12	344	6	42.21	0.12	2	0	0.012	0.006
Revised Qtly. Avg.	53	0.75	7.43	X	179	20	208.25	X	103	2.25	12.26	X	86	1.5	10.55	X	0.5	0	0.003	X
1st QUARTER	27	3	16.24	0.06	110	17	122.86	1.12	84	2	7.61	0.09	32	6	49.03	1.53				
2nd "	25	1	4.78	0.19	104	7	42.79	0.41	87	2	9.14	0.11	18	0	0.77	0.04				
3rd "	26	1	5.88	0.23	164	4	20.69	0.13	62	1	6.52	0.11	11	0	0.[illegible]	0.03				
4th "	22	0	4.26	0.19	143	10	92.06	0.64	59	2	8.09	0.14	4	0	0.20	0.05				
Late Rptd (Current Yr)																				
YEAR Totals	100	5	31.16	0.31	521	38	278.40	0.53	292	7	31.36	0.11	65	6	50.[illegible]2	0.77				
1955 Qtly. Avg.	25	1.25	7.79	X	130	9.5	69.6	X	73	1.75	7.84	X	16	1.5	12.[illegible]8	X				
Late Rptd (1956)																				
1955 Totals																				
Revised Qtly. Avg.																				
DIVISIONAL DATA: TWO-YEAR PERIOD - 1954-1955																				
TOTALS	312	8	61.	0.20	1,238	116	1,112	0.90	705	16	80	0.11	409	12	9[illegible]	0.23				
QTLY Avg	39	1	7.61	—	155	15	139	—	88	2	10	—	51	1.5	12	—				

Plant Lunch Rooms, Offices, and Facilities				K-25 PLANT			
Number of Samples Taken	Number Greater than PAL	Total Activity (c/m/ft^3)	Avg. Activity per Sample.	Number of Samples Taken	Number Greater than PAL	Total Activity (c/m/ft^3)	Average Activity per Sample
53	0	6.76	0.13	452	25	112.81	0.25
79	0	4.55	0.06	445	21	86.17	0.19
27	0	2.41	0.09	431	11	90.55	0.21
18	1	11.18	0.62	359	36	664.82	1.85
—	—	—	—	—	—	—	—
177	1	24.90	0.14	1,687	46	954.35	0.57
44	0.25	6.23	X	422	24	238.59	X
—	—	—	—	-		—	—
177	1	24.90	0.14	1,687	[illegible]	954.35	0.57
44	0.25	6.23	X	422	24	238.59	X
2 ~~[illegible]~~ - YEAR PERIOD 1953 - 1954							
Totals				2,924	368	Not Available	
Qtly Avg				366	46		
2	0	0.18	0.06	253	25	195.74	0.77
3	0	0.04	0.01	234	10	57.48	0.25
4	0	0.08	0.02	263		33.41	0.13
5	0	0.24	0.05	228	12	104.61	0.46
15	0	0.54	0.04	978	56	391.24	0.40
3.25	0	0.14	X	245	14	97.81	X
				978	56	391.24	0.40
				245	14	97.81	X
2 ~~[illegible]~~ - YEAR PERIOD 1953 - 1955							
Totals				3,902	424	1,345*	0.50*
Qtly Avg				325	35	168	—

* Values for 1954 + 1955 only available.

SPOT AIR SAMPLE DATA

1953

(Calendar Year)	K-25 PLANT			
	Number of Samples Taken	Number greater than PAL	Total Activity (c/m/ft^3)	Average Activity per Sample
First Quarter				
Second Quarter				
Third Quarter				
Fourth Quarter				
Late Reported (Current Yr)				
Totals, Year 1952				
Quarterly Average				
Late Reported (1953)				
Year 1952 Revised				
Quarterly Average				
Five-Year Period 19 - 19				
Totals				
Qtly Avg				
First Quarter				
Second Quarter				
Third Quarter				
Fourth Quarter				
Late Rptd. (Current Yr)				
Totals, Year 1953	1,237	272	Not available in 1953	
Quarterly Average	309	68		
Late Reported (1954)	—	—		
Year 1953 Revised	1,237	272		
Quarterly Average	309	68		
Five-Year Period 19 - 19				
Totals				
Qtly Avg				

PERSONNEL MONITORING

FILM BADGE DATA

1958

SAFE

CALENDAR YEAR	TECHNICAL DIVISION Number Badges Used Total	Av. Per 2 Weeks	Number Over PAL	Gamma-Effective Dose (mr) Total	Av. Per Badge	CHEMICAL DIVISION Number Badges Used Total	Av. Per 2 Weeks	Number Over PAL	Gamma-Effective Dose (mr) Total	Av. Per Badge	PRODUCTION DIVISION Number Badges Used Total	Av. Per 2-Weeks	Number Over PAL	Gamma-Effective Dose (mr) Total	Av. Per Badge
1st. QUARTER	122	20	0	65	0.53	1,121	187	3	24,863	22	—	—	—	—	—
2nd. QUARTER	150	21	0	170	1.1	1,222	175	0	21,410	18	9	1.3	0	0	0
3rd. QUARTER	129	22	0	148	1.1	873	146	0	23,778	27	—	—	—	—	—
4th. QUARTER	146	21	0	0	0	1,010	144	0	29,604	29	—	—	—	—	—
Late Rptd. (Current Year)															
YEAR 1958 Total	547	21	0	383	0.70	4,226	163	3	99,654	24	9	0.35	0	0	0
YEAR 1958 Qtly. Av.	–	X	0	–	X	–	X	0.75	–	X	–	X	0	–	X
Late Rptd.															
19 Revised Total															
19 Revised Qtly. Av.															
BASE PERIOD Total	BASE PERIOD:														
BASE PERIOD Qtly. Av.															
1st. QUARTER															
2nd. QUARTER															
3rd. QUARTER															
4th. QUARTER															
Late Rptd. (Current Year)															
YEAR 19 Total															
YEAR 19 Qtly. Av.															
Late Rptd.															
19 Revised Total															
19 Revised Qtly. Av.															
BASE PERIOD Total	BASE PERIOD:														
BASE PERIOD Qtly. Av.															

CALENDAR YEAR	MAINTENANCE DIVISION Number Badges Used Total	Av. Per 2 Weeks	Number Over PAL	Gamma-Effective Dose (mr) Total	Av. Per Badge	INDUSTRIAL RELATIONS DIVISION Number Badges Used Total	Av. Per 2-Weeks	Number Over PAL	Gamma-Effective Dose (mr) Total	Av. Per Badge	PLANT ENGINE DIVISION Number Badges Used Total	Av. Per 2 Weeks	Number Over PAL
1st. QUARTER	1,196	199	0	11,02[illegible]	9.2	77	13	0	235	3.1	—	—	—
2nd. QUARTER	1,333	190	0	6,31[illegible]	4.7	114	16	0	740	6.5	2	0.27	0
3rd. QUARTER	1,533	256	0	9,26[illegible]	6.0	102	17	0	0	0	1	0.17	0
4th. QUARTER	1,948	278	0	15,5[illegible]	8.0	115	16	0	40	0.35	3	0.43	0
Late Rptd. (Current Year)													
YEAR 1958 Total	6,010	231	0	42,10[illegible]	7.0	408	16	0	1,015	2.5	6	0.23	0
YEAR 1958 Qtly. Av.	–	X	0	–	X	–	X	0	–	X	–	X	0
Late Rptd.													
19 Revised Total													
19 Revised Qtly. Av.													
BASE PERIOD Total	BASE PERIOD:												
BASE PERIOD Qtly. Av.													
1st. QUARTER													
2nd. QUARTER													
3rd. QUARTER													
4th. QUARTER													
Late Rptd. (Current Year)													
YEAR 19 Total													
YEAR 19 Qtly. Av.													
Late Rptd.													
19 Revised Total													
19 Revised Qtly. Av.													
BASE PERIOD Total	BASE PERIOD:												
BASE PERIOD Qtly. Av.													

SP-18 (3-58)

Y AND HEALTH PHYSICS QUARTERLY DATA

ıIG		PROCESS ENGINEERING DIVISION										
ıamma-fective ose mr)		Number Badges Used			Gamma-Effective Dose (mr)							
Total	Av. Per Badge	Total	Av. Per 2 Weeks	Number Over PAL	Total	Av. Per Badge	Total	Av. Per 2 Weeks	Number Over PAL	Total	Av. Per Badge	
-	1	221	37	0	50	0.23						
)	0	258	37	0	155	0.60						
)	0	216	36	0	50	0.23						
)	0	247	35	0	75	0.30						
'												
0	0	942	36	0	330	0.35						
·	/	X	X	0	—	X						

OAK RIDGE GASEOUS DIFFUSION PLANT				
Number Badges Used			Gamma-Effective Dose (mr)	
Total	Average ıer 2 Weeks	Number Over PAL	Total	Average Per Badge
2,737	156	3	36,235	13
3,088	141	0	28,790	9.3
2,854	176	0	33,243	12
3,469	496	0	45,221	13
12,148	467	3	143,489	12
—	-	0.75	—	X
BASE PERIOD:				
BASE PERIOD:				

MATERIAL RELEASES

1970 and 1971

CALENDAR YEAR		MAINTENANCE DIVISION			PRODUCTION DIVISION			TECHNICAL DIVISION					
		Toxic or Corrosive	Radio-active	Miscel-laneous	Toxic or Corrosive	Radio-active	Miscel-laneous	Toxic or Corrosive	Radio-active	Miscel-laneous	Toxic or Corrosive	Radio-active	Miscel-laneous
1st. QUARTER		0	0	0	0	0	0	0	0	0	0	0	0
2nd. QUARTER		0	0	0	0	1	0	0	0	0	0	0	0
3rd. QUARTER		0	0	0	0	1	0	0	0	0	0	0	0
4th. QUARTER													
Late Rptd. (Current Year)													
YEAR 19	Total												
	Qtly. Av.												
Late Rptd.													
19 Revised	Total												
	Qtly. Av.												
BASE PERIOD		BASE PERIOD:											
	Total												
	Qtly. Av.												
1st. QUARTER													
2nd. QUARTER													
3rd. QUARTER													
4th. QUARTER													
Late Rptd. (Current Year)													
YEAR 19	Total												
	Qtly. Av.												
Late Rptd.													
19 Revised	Total												
	Qtly. Av.												
BASE PERIOD		BASE PERIOD:											
	Total												
	Qtly. Av.												

SAFETY AND HEALTH PHYSICS QUARTERLY DATA

				CAK RIDGE GASEOUS DIFFUSION PLANT		
				Toxic or Corrosive	Radioactive	Miscellaneous
				0	0	0
				0	1	0
				0	1	0
				BASE PERIOD:		
				BASE PERIOD:		

MATERIAL RELEASES

1968--- 1969

SAFE

CALENDAR YEAR		MAINTENANCE DIVISION			PRODUCTION DIVISION			TECHNICAL DIVISION			Finance and Materials Division		
		Toxic or Corrosive	Radio-active	Miscel-laneous	Toxic or Corrosive	Radio-active	Miscel-laneous	Toxic or Corrosive	Radio-active	Miscel-laneous	Toxic or Corrosive	Radio-active	Miscel-laneous
1st. QUARTER		0	0	0	0	0	0	0	0	0	0	0	0
2nd. QUARTER		0	0	0	0	0	0	1	1	0	0	0	0
3rd. QUARTER		0	0	0	0	1	0	0	0	0	0	0	0
4th. QUARTER		0	0	0	0	0	0	0	0	0	0	0	0
Late Rptd. (Current Year)													
YEAR 1968	Total												
	Qtly. Av.												
Late Rptd.													
19 Revised	Total												
	Qtly. Av.												
BASE PERIOD		BASE PERIOD:											
	Total												
	Qtly. Av.												
1st. QUARTER		0	0	0	0	0	0	0	0	0	0	0	0
2nd. QUARTER		0	0	0	0	1	0	1	0	0	1	0	0
3rd. QUARTER		0	0	0	0	2	0	0	0	0	0	0	0
4th. QUARTER		0	0	0	0	0	0	0	0	0	0	0	0
Late Rptd. (Current Year)													
YEAR 19 6	Total	0	0	0	0	3	0	1	0	0	1	0	0
	Qtly. Av.												
Late Rptd.													
19 Revised	Total												
	Qtly. Av.												
BASE PERIOD		BASE PERIOD:											
	Total												
	Qtly. Av.												

SP-18 (3-58)

ERLY DATA

					OAK RIDGE GASEOUS DIFFUSION PLANT		
					Toxic or Corrosive	Radioactive	Miscellaneous
					0	0	0
					1	1	0
					0	1	0
					0	0	0
					BASE PERIOD:		
					0	0	0
					2	1	0
					0	2	0
					0	0	0
					2	3	0
					BASE PERIOD:		

MATERIAL RELEASES

1966 and 1967

CALENDAR YEAR		MAINTENANCE DIVISION			PRODUCTION DIVISION			TECHNICAL DIVISION							
		Toxic or Corrosive	Radio-active	Miscel-laneous	Toxic or Corrosive	Radio-active	Miscel-laneous	Toxic or Corrosive	Radio-active	Miscel-laneous	Toxic or Corrosive	Radio-active	Miscel-laneous		
1st. QUARTER		0	0	0	0	0	0	0	0	0	0	0	0		
2nd. QUARTER		0	0	0	0	0	0	0	0	0	0	0	0		
3rd. QUARTER		0	0	0	0	0	0	1	1	0	0	0	0		
4th. QUARTER		0	0	0	0	0	0	0	0	0	0	0	0		
Late Rptd. (Current Year)															
YEAR 1966	Total	0	0	0	0	0	0	1	1	0	0	0	0		
	Qtly. Av.														
Late Rptd.															
1966 Revised	Total														
	Qtly. Av.														
BASE PERIOD		BASE PERIOD:													
	Total														
	Qtly. Av.														
1st. QUARTER		0	0	0	0	0	0	0	0	0	0	0	0		
2nd. QUARTER		0	0	0	0	0	0	0	0	0	0	0	0		
3rd. QUARTER		0	0	0	0	0	0	0	0	0	0	0	0		
4th. QUARTER		0	0	0	0	0	0	0	0	0	0	0	0		
Late Rptd. (Current Year)															
YEAR 1967	Total	0	0	0	0	0	0	0	0	0	0	0	0		
	Qtly. Av.														
Late Rptd.															
1967 Revised	Total														
	Qtly. Av.														
BASE PERIOD		BASE PERIOD:													
	Total														
	Qtly. Av.														

SP-18 (3-58)

RTERLY DATA

					OAK RIDGE GASEOUS DIFFUSION PLANT		
					Toxic or Corrosive	Radioactive	Miscellaneous
					0	0	0
					0	0	0
					1	1	0
					0	0	0
					1	1	0
					.25	.25	0
					BASE PERIOD: 1967 - 1966		
					10	27	0
					.70	1.37	0
					0	0	0
					0	0	0
					0	0	0
					0	0	0
					0	0	0
					BASE PERIOD:		

MATERIAL RELEASES

1964 and 1965

SAFET

CALENDAR YEAR		MAINTENANCE DIVISION			PRODUCTION DIVISION			TECHNICAL DIVISION							
		Toxic or Corrosive	Radio-active	Miscel-laneous	Toxic or Corrosive	Radio-active	Miscel-laneous	Toxic or Corrosive	Radio-active	Miscel-laneous	Toxic or Corrosive	Radio-active	Miscel-laneous		
1st. QUARTER						3									
2nd. QUARTER						2									
3rd. QUARTER															1
4th. QUARTER						1									
Late Rptd. (Current Year)															
YEAR 1964	Total					6									
	Qtly. Av.														
Late Rptd.															
1964 Revised	Total														
	Qtly. Av.														
BASE PERIOD		BASE PERIOD:													
	Total														
	Qtly. Av.														
1st. QUARTER															
2nd. QUARTER					1	2									
3rd. QUARTER					1										
4th. QUARTER						2									
Late Rptd. (Current Year)															
YEAR 1965	Total				2	4									
	Qtly. Av.														
Late Rptd.															
1965 Revised	Total														
	Qtly. Av.														
BASE PERIOD		BASE PERIOD:													
	Total														
	Qtly. Av.														

SP-18 (3-58)

TERLY DATA

					OAK RIDGE GASEOUS DIFFUSION PLANT		
					Toxic cr Corrosive	Radioactive	Miscellaneous
						3	
						2	
						0	
						1	
					0	6	0
						1.5	
					BASE PERIOD: 1960 – 1964		
					25	73	1
					1.25	3.65	0.25
					0	0	0
					1	2	0
					1	0	0
					0	2	0
					2	4	0
					0.5	1	0
					BASE PERIOD: 1961 – 1965		
					13	44	1
					0.65	2.25	.05

WATER SURVEY ANALYSIS

1966 and 1967

	CLINCH RIVER BELOW PLANT (CW-7)		
	Number of Samples	Uranium Concentration ($uc/cc \times 10^{-7}$)	
		Total Activity	Average per Sample
First Quarter	1	0.00	0.00
Second Quarter	1	0.00	0.00
Third Quarter	1	0.00	0.00
Fourth Quarter	1	0.00	0.00
Late Rptd. (Current Year)			
YEAR 1966 Total	4	0.00	0.00
Qtly. Av.			
Late Rptd.			
YEAR 1966 (Rev) Total			
Qtly. Av.			
Base Period:			
Total			
Qtly Av			
First Quarter			
Second Quarter			
Third Quarter			
Fourth Quarter			
Late Rptd. (Current Year)			
YEAR 1967 Total			
Qtly. Av.			
Late Rptd.			
YEAR 1967 (Rev) Total			
Qtly. Av.			
Base Period:			
Total			
Qtly Av			

WATER SURVEY ANALYSIS

1964 and 1965

SAF

CALENDAR YEAR		SANITARY WATER AT POST CHLORINATOR (CW-6)			EAST FORK JUNCTION (CW-1)			CLINCH RIVER JUNCTION (CW-3)			CLINCH RIVER BELOW PLANT (CW-7)			RAW WATER INFLUENT AT K-1513 (CW-5)		
		Number of Samples	Beta (uc/cc x 10^{-7}) Total Activity	Beta (uc/cc x 10^{-7}) Av. Per Sample	Number of Samples	Uranium Concentration (uc/cc x 10^{-7}) Total Activity	Uranium Concentration (uc/cc x 10^{-7}) Av. Per Sample	Number of Samples	Uranium Concentration (uc/cc x 10^{-7}) Total Activity	Uranium Concentration (uc/cc x 10^{-7}) Av. Per Sample	Number of Samples	Uranium Concentration (uc/cc x 10^{-7}) Total Activity	Uranium Concentration (uc/cc x 10^{-7}) Av. Per Sample	Number of Samples	Uranium Concentration (uc/cc x 10^{-7}) Total Activity	Uranium Concentration (uc/cc x 10^{-7}) Av. Per Sample
1st. QUARTER		91	185.62	2.04	77	16.1	0.21	91	6.65	0.07	91	1.20	0.02	91	0.61	<0.01
2nd. QUARTER		91	107.89	1.19	91	50.71	0.56	91	9.88	0.11	91	0.81	<0.01	91	0.80	<0.01
3rd. QUARTER		3	0.25	0.08	3	0.48	0.16	3	0.42	0.14	3	0.00	0.00	3	0.02	0.01
4th. QUARTER		1	0.21	0.21	1	0.45	0.45	1	0.14	0.14	1	0.00	0.00	1	0.00	0.00
Late Rptd. (Current Year)																
YEAR 1964	Total	186	293.97	1.58	172	67.74	0.39	186	17.09	0.09	186	2.51	0.01	186	1.43	<0.01
	Qtly. Av.															
Late Rptd.																
1964 Revised	Total															
	Qtly. Av.															
BASE PERIOD		BASE PERIOD: 1960-1964														
	Total										1,538	4072/71.43 (57.01) 4,072	(0.14)			
	Qtly. Av.															
1st. QUARTER											1	0.00	0.00			
2nd. QUARTER											1	0.00	0.00			
3rd. QUARTER											1	0.00	0.00			
4th. QUARTER											1	0.00	0.00			
Late Rptd. (Current Year)																
YEAR 1965	Total										4	0.00	0.00			
	Qtly. Av.															
Late Rptd.																
1965 Revised	Total															
	Qtly. Av.															
BASE PERIOD		BASE PERIOD: 1961-1965														
	Total										1,143	2838/71.43 = (39.73) 2,838	(0.02)			
	Qtly. Av.															

SP-18 (3-58)

WATER SURVEY ANALYSIS

1962 and 1963

SAF

CALENDAR YEAR		SANITARY WATER AT POST CHLORINATOR (CW-6)			EAST FORK JUNCTION (CW-1)			CLINCH RIVER JUNCTION (CW-3			CLINCH RIVER BELOW PLANT (CW-7)			RAW WATER INFLUENT AT K-1513 (CW-5)		
		Number of Samples	Beta (μc/cc x 10^{-7}) Total Activity	Beta (μc/cc x 10^{-7}) Av. Per Sample	Number of Samples	Uranium Concentration (μc/cc x 10^{-7}) Total Activity	Uranium Concentration (μc/cc x 10^{-7}) Av. Per Sample	Number of Samples	Uranium Concentration (μc/cc x 10^{-7}) Total Activity	Uranium Concentration (μc/cc x 10^{-7}) Av. Per Sample	Number of Samples	Uranium Concentration (μc/cc x 10^{-7}) Total Activity	Uranium Concentration (μc/cc x 10^{-7}) Av. Per Sample	Number of Samples	Uranium Concentration (μc/cc x 10^{-7}) Total Activity	Uranium Concentration (μc/cc x 10^{-7}) Av. Per Sample
1st. QUARTER		90	433.8	4.82	90	20.53	0.23	90	11.22	0.12	90	2.86	0.03	90	1.75	0.20
2nd. QUARTER		92	341.5	3.71	92	39.83	0.43	85	7.44	0.09	92	1.15	0.01	92	1.83	0.02
3rd. QUARTER		85	146.1	1.7	85	20.7	0.24	92	4.8	0.05	92	1.23	0.01	85	0.87	0.01
4th. QUARTER		92	366.32	4.0	92	56.93	0.62	92	22.91	0.25	92	5.85	0.06	92	1.02	0.01
Late Rptd. (Current Year)																
YEAR 1962	Total	359	1,287.72	3.6	359	137.99	0.38	359	46.37	0.13	366	11.69	0.03	359	5.47	0.02
	Qtly. Av.															
Late Rptd.			X 22.5 = 28,973.7			X 142.86 = 19,713.25			X 142.86 = 6,624.42			X 142.86 = 1,[illegible].32			X 142.86 = 781.44	
1962 Revised	Total															
	Qtly. Av.															
BASE PERIOD		BASE PERIOD: 1958 – 1962														
	Total	1,718	190,392.7 (8,461.9)	(4.9)	1,695	121,871 (853.08)	(0.50)	1,699	19,799.42 (138.59)	0.08	1,691	6,7[illegible].632 ([illegible].08)	0.03	1,701	3,775.44 (26.43)	(0.02)
	Qtly. Av.															
1st. QUARTER		90	325.6	3.6	90	38.4	0.43	90	60.58	0.67	90	4.87	0.05	90	1.46	0.02
2nd. QUARTER		84	182.08	2.2	84	26.7	0.32	84	10.01	0.12	91	6.19	0.02	84	1.97	0.02
3rd. QUARTER		92	76.19	0.8	92	16.22	0.18	92	10.12	0.11	92	2.21	0.02	92	1.00	0.01
4th. QUARTER		92	50.93	0.6	92	50.43	0.55	92	17.68	0.19	92	0.92	0.01	92	13.99	0.15
Late Rptd. (Current Year)																
YEAR 1963	Total	358	634.8	1.8	358	131.75	0.37	358	98.39	0.27	365	10.19	0.03	358	18.42	0.05
	Qtly. Av.															
Late Rptd.			X 22.5 = 14,283			X 142.86 = 18,822			X 142.86 = 11,004			X 142.86 = 1,[illegible].4			X 142.86 = 2,631	
1963 Revised	Total															
	Qtly. Av.															
BASE PERIOD		BASE PERIOD: 1959 – 1963														
	Total	1,729	191,105.7 (8,493.6)	(4.9)	1,712	122,229 (855.59)	(0.50)	1,703	29,454 (206.17)	(0.12)	1,702	6,74[illegible].32 (44.20)	(0.03)	1,712	5,567.44 (38.97)	(0.02)
	Qtly. Av.															

SP-18 (3-58)

WATER SURVEY ANALYSIS

1960 and 1961

SAF

(formerly K-1515)

CALENDAR YEAR		SANITARY WATER AT POST CHLORINATOR (CW-6) Number of Samples	Beta (c/m/100ml) Total Activity	Beta (c/m/100ml) Av. Per Sample	EAST FORK JUNCTION (CW-1) Number of Samples	Uranium Concentration (ppb) Total Activity	Uranium Concentration (ppb) Av. Per Sample	CLINCH RIVER JUNCTION (CW-3) Number of Samples	Uranium Concentration (ppb) Total Activity	Uranium Concentration (ppb) Av. Per Sample	CLINCH RIVER BELOW PLANT (CW-4) [+ CW 7] Number of Samples	Uranium Concentration (ppb) Total Activity	Uranium Concentration (ppb) Av. Per Sample	RAW WATER INFLUENT AT K-1513 (CW-5) (formerly K-1515) Number of Samples	Uranium Concentration (ppb) Total Activity	Uranium Concentration (ppb) Av. Per Sample	Number of Samples
1st. QUARTER		86	31,388	365	86	5,376	63	86	584	7	86	256	3.0	86	116	1.3	
2nd. QUARTER		86	12,599	147	86	7,132	83	86	781	9.1	86	407	4.7	86	291	3.4	
3rd. QUARTER		86	4,914	57	86	5,838	68	86	615	7.2	86	410	4.8	86	167	1.9	
4th. QUARTER		58	12,208	210	41	2,154	53 (51)	41	185	4.5 (4.4)	41	161	3.9 (3.8)	41	84	2.0	
Late Rptd. (Current Year)																	
YEAR 1960	Total	316	61,109	193	299	20,500	69	299	2,165	7.2	299	1,234	4.1	299	658	2.2	
	Qtly. Av.			(4.55) (8.7)			(4.5) (0.45)			(4.7) (0.05)			(3.9) (0.03)			(2.1) 0.02	
Late Rptd.																	
1960 Revised	Total																
	Qtly. Av.																
BASE PERIOD		BASE PERIOD: 1956-1960															
	Total	1,741	114,478	66 (3.0 mc/cc x10⁻⁷)	1,697	112,528	66 (0.462 mc/cc x10⁻⁷)	1,683	24,934	15 (0.105 mc/cc x10⁻⁷)	1,685	7,137	4.2 (0.027 mc/cc x10⁻⁷)	1,224 (1957-1960 + 16)	3,110	2.5 (0.018 mc/cc x10⁻⁷)	
	Qtly. Av.	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	
1st. QUARTER		84	25,109 (1,132)	299	84	2,310 (16.17)	28	77	455 (3.19)	5.9	77	189 (1.32)	2.5	84	133 (0.43)	1.6	
2nd. QUARTER		81	24,831 (1,117)	307	81	4,042 (28.29)	50	81	574 (4.02)	7.2	66	311 (2.1)	4.6	81	271 (1.9)	3.3	
3rd. QUARTER		90	4,939 (222)	55 (2.5)	90	7,050 (49.36)	78	90	1,008 (7.06)	11 (0.078)	70	348 (4.0)	3.9 (0.027)	90	232 (1.62)	2.6 (0.018)	
4th. QUARTER		91	11,638 (529)	(5.8)	91	18,806 (125.37)	(1.38)	89	1,401 (9.34)	(0.11)	89	301.5 (2.1)	(0.02)	91	150 (1.0)	0.01	
Late Rptd. (Current Year)																	
YEAR 1961	Total	346	66,517 (2,998)	(8.7)	346	32,208 (219.18)	(0.63)	337	3,438 (23.61)	(0.07)	322	1,159 (7.98)	(0.024)	346	786 (5.45)	(0.016)	
	Qtly. Av.																
Late Rptd.																	
1961 Revised	Total																
	Qtly. Av.																
BASE PERIOD		BASE PERIOD: 1957-1961															
	Total	1,724	171,401 (7,713)	(4.5)	1,691	123,796 (866.4)	(0.51)	1,167	17,313 (121.14)	(0.07)	1,655	6,9.3 (48.46)	(0.03)	1,570	3,896 (27.27)	(0.017)	
	Qtly. Av.																

SP-18 (3-58)

WATER SURVEY ANALYSIS

1958 and 1959

SAFET

(formerly K-1515)

CALENDAR YEAR		SANITARY WATER AT POST CHLORINATOR (CW-6)			EAST FORK JUNCTION (CW-1)			CLINCH RIVER JUNCTION (CW-3)			CLINCH RIVER BELOW PLANT (CW-4)			RAW WATER INFLUENT AT K-1513 (CW-5) (formerly K-1515)		
		Number of Samples	Beta (c/m/100ml) Total Activity	Beta (c/m/100ml) Av Per Sample	Number of Samples	Uranium Concentration (ppb) Total Activity	Uranium Concentration (ppb) Av Per Sample	Number of Samples	Uranium Concentration (ppb) Total Activity	Uranium Concentration (ppb) Av Per Sample	Number of Samples	Uranium Concentration (ppb) Total Activity	Uranium Concentration (ppb) Av Per Sample	Number of Samples	Uranium Concentration (ppb) Total Activity	Uranium Concentration (ppb) Av Per Sample
1st. QUARTER		88	2,572	29	88	4,445	51	88	1,245	14	88	471	5.4	88	138	1.6
2nd. QUARTER		82	3,813	47	82	2,912	36	89	1,221	14	89	260	2.9	82	281	3.4
3rd. QUARTER		89	6,052	68	89	3,342	38	89	845	9.5	89	473	5.3	89	259	2.9
4th. QUARTER		88	1,133	13	82	7,765	88	88	1,090	12	88	236	2.7	88	161	1.8
Late Rptd. (Current Year)																
YEAR 1958	Total	347	13,570	39	341	18,464	54	354	4,401	12	354	1,440	4.1	347	839	2.4
	Qtly. Av.			X												
Late Rptd.																
1958 Revised	Total															
	Qtly. Av.															
BASE PERIOD		BASE PERIOD: 1954–1958														
	Total	1,787	57,360	32	1,723	86,272	50	1,733	22,155	13	1,723	6,177	3.6	–	–	–
	Qtly. Av.			—			—			—			—			
1st. QUARTER		87	3,841	44	87	4,601	53	87	637	7.3	87	394	4.5	87	132	1.5
2nd. QUARTER		88	2,958	34	88	6,890	78	88	677	7.7	88	399	4.5	88	215	2.4
3rd. QUARTER		88	2,168	25	88	8,714	99	88	623	7.1	88	164	1.9	88	98	1.1
4th. QUARTER		87	11,236	129	87	10,781	124	87	1,234	14	87	372	4.3	87	246	3.1
Late Rptd. (Current Year)																
YEAR 1959	Total	350	20,223	58	350	30,986	89	350	3,171	9.1	350	1,329	3.8	350	711	2.0
	Qtly. Av.	88	—	—	88	—	—	88	—	—	88	—	—	88	—	—
Late Rptd.																
1959 Revised	Total															
	Qtly. Av.															
BASE PERIOD		BASE PERIOD: 1955–1959														
	Total	1,780	63,455	36	1,750	116,050	66	1,733	25,053	14	1,731	7,305	4.2	[1957–1959] 925	2,452	2.7
	Qtly. Av.	—	—	—	—	—	—	—	—	—			—	77	—	—

SP-18 (3-58)

WATER SURVEY ANALYSIS

WATER SAMPLE DATA

1956 and 1957

CALENDAR YEAR	EAST FORK JUNCTION (CW-1) Number of Samples	Beta (c/m/100ml) Total Activity	Beta (c/m/100ml) Average Per Sample	CLINCH RIVER JUNCTION (CW-3) Number of Samples	Beta (c/m/100ml) Total Activity	Beta (c/m/100ml) Average Per Sample	CLINCH RIVER BELOW PLANT (CW-4) Number of Samples	Beta (c/m/100ml) Total Activity	Beta (c/m/100ml) Average Per Sample	K-1515 (CW-5) Number of Samples	Beta (c/m/100ml) Total Activity	Beta (c/m/100ml) Average Per Sample	K-1515 (CW-6) Number of Samples	Beta (c/m/100ml) Total Activity	Beta (c/m/100ml) Average Per Sample
1st. QUARTER	87	35,786	411	87	5,710	66	87	5,437	62	91	7,259	81	91	3,792	42
2nd. QUARTER	91	1,612	18	91	2,256	25	91	3,568	39	91	1,951	22	91	1,621	18
3rd. QUARTER	92	5,917	64	92	1,982	22	92	1,861	20	92	1,709	19	92	1,351	15
4th. QUARTER	82	4,754	58	84	2,703	32	86	2,793	32	89	3,661	41	89	2,830	33
Late Rptd. (Current Year)															
YEAR 1956 Totals	352	48,069	137	354	12,651	36	356	13,659	38	363	14,686	40	363	9,594	26
YEAR 1956 Qtly. Avg.			X			X			X			X			X
Late Rptd. (1957)															
1956 Revised Totals															
1956 Revised Qtly. Avg.															
4-yr. Period: 1953-1956													1,440	46,373	32
3-yr. Period: 1954-1956													1,075	33,808	31
1st. QUARTER													90	2,262	25
2nd. QUARTER													91	2,469	27
3rd. QUARTER													92	2,758	30
4th. QUARTER													92	2,503	31
Late Rptd. (Current Year)															
YEAR 1957 Totals													365	9,982	27
YEAR 1957 Qtly. Avg.															
Late Rptd. (1958)															
1957 Revised Totals															
1957 Revised Qtly. Avg.															
4-yr. Period: 1954-1957													1,440	43,790	30
5-yr. Period: 1953-1957													1,805	56,355	31

TH PHYSI QUARTERLY REPORT DATA

EAST FORK JUNCTION (CW-1)			CLINCH RIVER JUNCTION (CW-3)			CLINCH BELOW PLANT (CW-4)			K-1515 (CW-5)		
Number of Samples	Uranium Concentration (ppb) Total	Uranium Concentration (ppb) Av. per Sample	Number of Samples	Uranium Concentration (ppb) Total	Uranium Concentration (ppb) Av. per Sample	Number of Samples	Uranium Concentration (ppb) Total	Uranium Concentration (ppb) Av. per Sample	Number of Samples	Uranium Concentration (ppb) Total	Uranium Concentration (ppb) Av. per Sample
352	20,940	59	353	11,059	31	352	1,357	3.8	—	—	—
1,297	47,045	39	1,178	13,774	12	1,219	3,101	2.5	—	—	—
1,027	46,170	45	1,052	13,616	13	1,039	2,956	2.8	—	—	—
90	4,090	45	62	732	12	65	221	3.4	—	—	—
91	2,676	29	91	788	8.7	91	472	5.2	54	147	2.4
92	9,271	100	92	1,214	13	92	440	4.8	92	339	3.6
82	5,331	65	82	1,404	17	82	648	7.9	82	416	5.1
355	21,638	61	327	4,138	13	330	1,781	5.4	228	902	4.0
1,382	67,808	49	1,379	17,754	13	1,369	4,737	3.5	—	—	—
1,569	68,693	44	1,525	18,112	12	1,549	4,882	3.2	—	—	—

FIVE - YEAR PERIOD 19 - 19	
Totals	
Qtly. Avg.	
FIVE - YEAR PERIOD 19 - 19	
Totals	
Qtly. Avg.	

WATER SURVEY ANALYSIS

1955

CALENDAR YEAR		EAST FORK JUNCTION (CW-1) NUMBER OF SAMPLES	EAST FORK JUNCTION (CW-1) Beta (c/m/100 ml) Total	EAST FORK JUNCTION (CW-1) Beta (c/m/100 ml) Average per sample	CLINCH RIVER JUNCTION (CW-3) NUMBER OF SAMPLES	CLINCH RIVER JUNCTION (CW-3) Beta (c/m/100 ml) Total	CLINCH RIVER JUNCTION (CW-3) Beta (c/m/100 ml) Average per sample
1st QUARTER							
2nd "							
3rd "							
4th "							
Late Rptd (Current Yr.)							
YEAR 19	Totals						
	Qtly. Avg.						
Late Rptd							
19 Revised	Totals						
	Qtly. Avg.						
1st QUARTER *		83	10,052	121	76	3,503	46
2nd " *		91	2,485	27	91	3,907	43
3rd "		92	2,828	31	92	1,201	13
4th "		92	6,034	66	92	1,570	17
Late Rptd (Current Yr)							
YEAR 1955	Totals	358	21,399	60	351	10,181	29
	Qtly. Avg.						
Late Rptd (1956)							
1955 Revised	Totals						
	Qtly. Avg.						

* Averages per sample are not those previously reported but are computed by dividing the total activity of all samples by the number of samples. Average of averages had previously been reported.

CLINCH RIVER BELOW PLANT (CW-4)			K-1515 (CW-5)			K-1515 (CW-6)			
NUMBER OF SAMPLES	Beta (c/m/100 ml) Total	Beta (c/m/100 ml) Average per sample	NUMBER OF SAMPLES	Beta (c/m/100 ml) Total	Beta (c/m/100 ml) Average per sample	NUMBER OF SAMPLES	Beta (c/m/100 ml) Total	Beta (c/m/100 ml) Average per sample	
73	3,834	53	80	5,434	68	80	2,516	31	
71	3,775	41	91	4,042	44	91	3,517	39	
2	1,224	13	92	1,330	14	92	1,317	14	
12	3,270	36	92	4,336	47	92	2,736	30	
48	12,103	35	355	15,142	43	355	10,086	28.0	

1954: 357 14,128
1953: 365 12,565
3 yr period (1952-1955) 1,077 36,779 .34

Ryr period: 1954 $\frac{24,214}{712}$ = 34

FIVE-YEAR PERIOD 19 -19	
Totals	
Qtly Avg	

FIVE-YEAR PERIOD 19 -19	
Totals	
Qtly Avg	

STREAM BOTTOM MONITORING

MUD SAMPLE DATA

1956 and 1957

CALENDAR YEAR		EAST FORK AT POPLAR CREEK (MM-1)			K-1300 DRAIN AT POPLAR CREEK (MM-2)			POPLAR CREEK AT CLINCH RIVER (MM-3)			CLINCH RIVER ONE MILE BELOW POPLAR CREEK (MM-4)			POPLAR CREEK OPPOSITE K-27 DRAIN (MM-5)		
		Number of Samples	Uranium (ppm) Total	Uranium (ppm) Average Per Sample	Number of Samples	Uranium (ppm) Total	Uranium (ppm) Average Per Sample	Number of Samples	Uranium (ppm) Total	Uranium (ppm) Average Per Sample	Number of Samples	Uranium (ppm) Total	Uranium (ppm) Average Per Sample	Number of Samples	Uranium (ppm) Total	Uranium (ppm) Average Per Sample
1st. QUARTER		3	47	16	3	210	70	3	18	6	3	6.7	2.2	3	685	228
2nd. QUARTER		3	43	14	3	130	43	3	19	6.3	3	3.4	1.1	3	71	24
3rd. QUARTER		3	122	41	3	320	107	3	20	6.7	3	2.8	0.93	3	569	190
4th. QUARTER		3	262	87	3	872	291	3	10	3.3	3	8	2.7	3	362	121
Late Rptd. (Current Year)																
YEAR 1956	Totals	12	474	40	12	1,532	128	12	67	5.6	12	21	1.8	12	1,687	141
	Qtly. Avg.			X			X			X			X			X
Late Rptd. (1957)																
1956 Revised	Totals															
	Qtly. Avg.															
										4-yr. Period: (1953-1956)	48	110	2.3			
										3 yr. Period: (1954-1956)	36	99	2.8			
1st. QUARTER											2	8	4			
2nd. QUARTER																
3rd. QUARTER																
4th. QUARTER																
Late Rptd. (Current Year)																
YEAR 1957	Totals															
	Qtly. Avg.															
Late Rptd. (1958)																
1957 Revised	Totals															
	Qtly. Avg.															

CS QUARTER REPORT DATA

POPLAR CREEK (MK-2; MK-3; MK-5)					
	Number of Samples	Uranium (ppm) Total	Uranium (ppm) Average Per Sample		
	9	913	101		
	9	219	24		
	9	908	101		
	9	1,244	138		
	36	3,284	91		
4-yr Period: (1953-1956)	152	13,850	91		
3-yr Period: (1954-1956)	107	10,687	100		
	6	349	58		

FIVE - YEAR PERIOD 19 - 19	
Totals	
Qtly. Avg.	

FIVE - YEAR PERIOD 19 - 19	
Totals	
Qtly. Avg.	

S T R E A M B O T T O M M O N I T O R I N G

(MUD SAMPLES)

1955

CALENDAR YEAR	EAST FORK AT POPLAR CREEK (MM-1) NUMBER OF SAMPLES	Uranium (ppm) Total	Uranium (ppm) Average per sample	K-1300 DRAIN AT POPLAR CREEK (MM-2) NUMBER OF SAMPLES	Uranium (ppm) Total	Uranium (ppm) Average per sample	POPLAR CREEK AT CLINCH RIVER (MM-3) NUMBER OF SAMPLES	Uranium (ppm) Total	Uranium (ppm) Average per sample	CLINCH RIVER ONE MILE BELOW POPLAR CREEK (MM-4) NUMBER OF SAMPLES	Uranium (ppm) Total	Uranium (ppm) Average per sample	POPLAR CREEK OPPOSITE K-27 DRAIN (MM-5) NUMBER OF SAMPLES	Uranium (ppm) Total	Uranium (ppm) Average per sample
1st QUARTER															
2nd "															
3rd "															
4th "															
Late Rptd (Current Yr.)															
YEAR 19 Totals															
YEAR 19 Qtly. Avg.															
Late Rptd															
19 Revised Totals															
19 Revised Qtly. Avg.															
1st QUARTER	3	65.9	22	3	196.0	64	3	11.7	4	3	16.0	5.3	3	187.6	63
2nd "	3	60.1	20	3	26.8	9	3	6.3	2.1	3	3.1	1.0	2	166.7	83
3rd "	3	244.9	82	3	88.9	30	3	27.9	9.3	3	4.6	1.5	3	291.5	97
4th "	3	246.8	82	3	53.1	18	3	56.5	19	3	14.6	4.9	3	244.7	82
Late Rptd (Current Yr)															
YEAR 1955 Totals	12	617.7	51	12	364.8	30	12	102.4	8.5	12	38.3	3.2	11	890.5	81
YEAR 1955 Qtly. Avg.															
Late Rptd															
19 Revised Totals															
19 Revised Qtly. Avg.															

1954: 12 40
1953: 12 11
3yr period 36 89 2.5
(1952-1955)

2yr period 24 78 3.3
(1954+1955)

	POPLAR CREEK (MM-2; MM-3; MM-5)						
	NUMBER OF SAMPLES	Uranium (ppm)					
		Total	Average per sample				

FIVE-YEAR PERIOD 19 - 19	
Totals	
Qtly Avg	

	NUMBER OF SAMPLES	Total	Average per sample				
	9	395.3	44				
	8	199.8	25				
	9	408.3	45				
	9	354.3	39				
	35	1357.7	39				

~~3 FIVE~~ 3-YEAR PERIOD 1953 - 1955	
Totals	
Qtly Avg	

1954 36 6,045
1953 45 3,163
3 yr. 114 10,4[illegible] 91
([illegible])
[illegible] 71 7,463 104

PHYSICAL CONDITIONS

(Safety Audit Data)

1958 - 1959

	ORGDP								
	PLANT CONDITIONS			FIRE PROTECTION			ELECTRICAL		
	NUMBER AUDITED	NUMBER SATISFACTORY	PER CENT SATISFACTORY	NUMBER AUDITED	NUMBER SATISFACTORY	PER CENT SATISFACTORY	NUMBER AUDITED	NUMBER SATISFACTORY	PER CENT SATISFACTORY
First Quarter	11,211	10,695	95	1,848	1,802	98	7,664	7,165	93
Second Quarter	10,427	9,947	95	1,677	1,631	97	7,488	7,070	94
Third Quarter	6,646	6,319	95	948	926	98	3,898	3,582	92
Fourth Quarter	6,061	5,766	95	1,012	992	98	4,454	4,060	91
Late Rptd. (Current Year)									
YEAR 1958 Total	34,345	32,727	95	5,485	5,351	98	23,504	21,877	93
Qtly. Av.	8,586	8,182	—	1,371	1,338	—	5,876	5,469	—
Late Rptd.									
YEAR 1958 (Rev) Total	34,345	32,727	95	5,485	5,351	98	23,504	21,877	93
Qtly. Av.	8,586	8,182	—	1,371	1,338	—	5,876	5,469	—
Base Period: 1955-1958									
Total	175,102	165,008	94	28,598	27,248	95	104,596	97,210	93
Qtly Av	10,944	10,313	—	1,787	1,703	—	6,537	6,076	—
First Quarter	8,103	7,700	95	1,303	1,277	98	6,169	5,707	93
Second Quarter	8,059	7,724	96	1,434	1,407	98	6,142	5,750	94
Third Quarter	8,402	8,017	95	1,301	1,275	98	6,009	5,588	93
Fourth Quarter	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Late Rptd. (Current Year)									
YEAR 1959 Total	31,753	30,322	95	5,105	5,007	98	23,430	21,845	93
Qtly. Av.	7,938	7,581	—	1,276	1,252	—	5,858	5,461	—
Late Rptd.									
YEAR 1959 (Rev) Total									
Qtly. Av.									
Base Period: 1955-1959									
Total	206,855	195,330	94	33,703	32,255	96	128,026	119,055	93
Qtly Av	10,343	9,767	—	1,685	1,613	—	6,401	5,953	—

PHYSICAL CONDITIONS

(Safety Audit Data)

1956 - 1957

	ORGDP								
	PLANT CONDITIONS			FIRE PROTECTION			ELECTRICAL		
	NUMBER AUDITED	NUMBER SATISFACTORY	PER CENT SATISFACTORY	NUMBER AUDITED	NUMBER SATISFACTORY	PER CENT SATISFACTORY	NUMBER AUDITED	NUMBER SATISFACTORY	PER CENT SATISFACTORY
First Quarter	15,013	14,179	94	2,497	2,312	93	8,493	7,842	92
Second Quarter	14,719	13,958	95	2,569	2,382	93	8,574	8,013	93
Third Quarter	14,980	(4) 13,156	88	2,235	2,107	94	8,316	7,715	93
Fourth Quarter	12,968	12,199	94	2,073	1,992	96	7,654	7,165	94
Late Rptd. (Current Year)									
YEAR 1956 Total	57,680	53,492	93	9,374	8,793	94	33,037	30,735	93
Qtly. Av.	14430	13,383	—	2,345	2,199	—	8,263	7,687	—
Late Rptd.	+41	+1041		+4	+4		+14	+14	
YEAR 1956 (Rev) Total	57,721	54,533	94	9,378	8,797	94	33051	30,749	93
Qtly. Av.	14430	13,633	—	2,345	2,199	—	8,263	7,687	—
Base Period:									
Total									
Qtly Av									
First Quarter	(60) 15,250	14,472	95	2,270	2,190	96	8,842	8,306	94
Second Quarter	12,566	11,933	95	2,077	1,999	96	7,814	7,447	95
Third Quarter	8,771	(5) 8,257	94	1,703	1,602	94	7,150	6,785	95
Fourth Quarter	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Late Rptd. (Current Year)									
YEAR 1957 Total	48,192	45,666	95	8,019	7,717	96	31,846	30,106	95
Qtly. Av.	12,051	11,417	—	2,005	1,929	—	7,962	7,527	—
Late Rptd.	+10	+1							
YEAR 1957 (Rev) Total	48,202	45,667	95	8,019	7,717	96	31,846	30,106	95
Qtly, Av.	12,051	11,417	—	2,005	1,929	—	7,962	7,527	—
Base Period: 1955 Thru 1957									
Total	140,796	132,317	94	23,102	21,888	95	81,064	75,305	93
Qtly Av	11,733	11,026	—	1,925	1,824	—	6,755	6,275	—

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PHYSICAL CONDITIONS

(Safety Audit Data)

1956 - 1957

	ORGDP								
	PLANT CONDITIONS			FIRE PROTECTION			ELECTRICAL		
	NUMBER AUDITED	NUMBER SATISFACTORY	PER CENT SATISFACTORY	NUMBER AUDITED	NUMBER SATISFACTORY	PER CENT SATISFACTORY	NUMBER AUDITED	NUMBER SATISFACTORY	PER CENT SATISFACTORY
First Quarter	15,013	14,179	94	2,497	2,312	93	8,493	7,842	92
Second Quarter	14,719	13,958	95	2,569	2,382	93	8,574	8,013	93
Third Quarter	14,980	(4) 13,156	88	2,235	2,107	94	8,316	7,715	93
Fourth Quarter	12,968	12,199	94	2,073	1,992	96	7,654	7,165	94
Late Rptd. (Current Year)									
YEAR 1956 Total	57,680	53,492	93	9,374	8,793	94	33,037	30,735	93
Qtly. Av.	14430	13,383	—	2,345	2,199	—	8,263	7,687	—
Late Rptd.	+41	+1041		+4	+4		+14	+14	
YEAR 1956 (Rev) Total	57,721	54,533	94	9,378	8,797	94	33051	30,749	93
Qtly. Av.	14430	13,633	—	2,345	2,199	—	8,243	7,687	—
Base Period:									
Total									
Qtly Av									
First Quarter	(60) 15,250	14,472	95	2,270	2,190	96	8,842	8,306	94
Second Quarter	12,566	11,933	95	2,077	1,999	96	7,814	7,447	95
Third Quarter	8,771	(6) 8,257	94	1,703	1,602	94	7,150	6,785	95
Fourth Quarter	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Late Rptd. (Current Year)									
YEAR 1957 Total	48,192	45,666	95	8,019	7,717	96	31,846	30,106	95
Qtly. Av.	12,051	11,417	—	2,005	1,929	—	7,962	7,527	—
Late Rptd.	+10	+1							
YEAR 1957 (Rev) Total	48,202	45,667	95	8,019	7,717	96	31,846	30,106	95
Qtly, Av.	12,051	11,417	—	2,005	1,929	—	7,962	7,527	—
Base Period: 1955 Thru 1957									
Total	140,796	132,317	94	23,102	21,888	95	81,064	75,305	93
Qtly Av	11,733	11,026	—	1,925	1,824	—	6,755	6,275	—

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PHYSICAL CONDITIONS

(Safety Audit Data)

1955

	ORGDP								
	PLANT CONDITIONS			FIRE PROTECTION			ELECTRICAL		
	NUMBER AUDITED	NUMBER SATISFACTORY	PER CENT SATISFACTORY	NUMBER AUDITED	NUMBER SATISFACTORY	PER CENT SATISFACTORY	NUMBER AUDITED	NUMBER SATISFACTORY	PER CENT SATISFACTORY
First Quarter									
Second Quarter									
Third Quarter									
Fourth Quarter									
Late Rptd. (Current Year)									
YEAR 19 Total									
Qtly. Av.									
Late Rptd.									
YEAR 19 (Rev) Total									
Qtly. Av.									
Base Period:									
Total									
Qtly Av									
First Quarter	3,491	3,262	93	490	464	95	1,187	1,088	92
Second Quarter	11,836	10,680	90	1,249	1,153	92	3,113	2,732	88
Third Quarter	16,673	15,138	91	1,737	1,619	93	4,576	4,030	88
Fourth Quarter									
Late Rptd. (Current Year)	-10,675	-9,534							
YEAR 1955 Total	34,783	?	95	5,710	5,378	94	16,181	14,464	89
Qtly. Av.	8,696	8,259	—	1,427	1,345	—	4,045	3,615	—
Late Rptd.	+51	+45		+6	+5		+14	+14	
YEAR 1955 (Rev) Total	34,834	32,081	92	5,716	5,383	94	16,195	14,478	89
Qtly. Av.	8,709	8,020	—	1,429	1,346	—	4,049	3,620	—
Base Period:									
Total									
Qtly Av									

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SAFETY AUDIT SURVEY DATA

PHYSICAL CONDITIONS

1956 and 1957

SAFETY AND HEALT[illegible] HYSICS QU[illegible]

CALENDAR YEAR	Maintenance Division			Chemical Division			Technical Division			Production Division			(Finance and Materials) Manufacturing Office Division			Safety & Protection Div[illegible]	
	Number Checked	Number Satisfactory	Per Cent Satisfactory	Number Checked	Number Satisfactory	Per Cent Satisfactory	Number Checked	Number Satisfactory	Per Cent Satisfactory	Number Checked	Number Satisfactory	Per Cent Satisfactory	Number Checked	Number Satisfactory	Per Cent Satisfactory	Number Checked	Number Satisfactor[illegible]
1st. QUARTER	6,846	6,349	93	3,638	3,395	93	3,775	3,628	96	10,912	10,184	93	403	377	94	429	400
2nd. QUARTER	7,136	6,661	93	4,123	3,854	93	3,230	3,097	96	10,937	10,342	95	93	89	96	171	153
3rd. QUARTER	7,026	6,538	93	5,262	4,949	94	2,241	2,112	94	9,905	9,369	95	440	398	90	335	[illegible]
4th. QUARTER	6,211	5,779	93	4,439	4,233	95	2,907	2,728	94	7,912	7,474	94	349	318	91	426	406
Late Rptd. (Current Year)	59	58															
YEAR 1956 Totals	27,278	25,385	93	17,462	16,431	94	12,153	11,565	95	39,666	37,369	94	1,285	1,182	92	1,361	1,273
YEAR 1956 Qtly. Avg.			X			X			X			X			X		
Late Rptd. (1957)																	
1956 Revised Totals																	
1956 Revised Qtly. Avg.																	
DIVISIONAL DATA: TWO-YEAR PERIOD - 1955-1956																	
TOTALS	60,052	55,530	92	20,982	19,516	93	20,550	19,400	94	48,353	45,164	93	4,447	4,091	92		
Qtly. Avg.			X			X			X			X			X		
1st. QUARTER	7,161	6,707	94	4,850	4,633	96	3,005	2,791	93	6,910	6,563	95	354	318	90	—	—
2nd. QUARTER	6,459	6,043	94	4,814	4,646	97	528	485	92	6,538	6,185	95	269	249	93	—	—
3rd. QUARTER	4,769	4,365	92	4,585	4,418	96	488	428	88	6,171	5,877	95	216	198	92	—	—
4th. QUARTER	6,432	5,978	93	4,565	4,428	97	2,575	2,427	94	6,234	5,913	95	313	292	93	—	—
Late Rptd. (Current Year)																	
YEAR 1957 Totals	24,821	23,093	93	18,814	18,125	96	6,596	6,131	93	25,853	24,538	95	1,152	1,057	92	—	—
YEAR 1957 Qtly. Avg.			X			X			X			X	—	—	X		
Late Rptd. (1958)																	
1957 Revised Totals																	
1957 Revised Qtly. Avg.																	

* On 2-12-57 Safety and [illegible] combined with [illegible] Data for Two-[illegible] are for the [illegible]

ARTERLY R[illegible]ORT DATA

sion	Industrial Relations Division			Process Engineering							K-25 PLANT		
Per Cent Satisfactory	Number Checked	Number Satisfactory	Per Cent Satisfactory	Number Checked	Number Satisfactory	Per Cent Satisfactory					Number Checked	Number Satisfactory	Per Cent Satisfactory
93	—	—	—								26,003	24,333	94
89	172	157	91								25,862	24,353	94
94	322	298	93								25,531	23,978	94
95	451	418	93								22,695	21,356	94
											59	58	
94	945	873	92								100,150	94,078	94
X			X								25,038	23,520	X
											TWO ~~FIVE~~ - YEAR PERIOD 1955 - 1956		
	2369	2,200	93							Totals	156,895	146,020	93
X			X							Qtly. Avg.	19,612	18,253	X
—	919	872	95	3,173	3,084	97					26,372	24,968	95
—	635	617	97	3,214	3,154	98					22,457	21,379	95
—	169	163	96	1,226	1,196	97					17,624	16,645	94
—	341	330	97	1,154	1,130	98					21,614	20,498	95
—	2,064	1,982	96	8,767	8,564	98					88,067	83,490	95
	—	—	X	—	—	X					22,017	20,873	X
											FIVE - YEAR PERIOD 19 - 19		
										Totals			
										Qtly. Avg.			

[illegible] Division [illegible]
[illegible] Division,
[illegible] (986) and for 1957
[illegible]

SAFETY AUDIT SURVEY DATA

PHYSICAL CONDITIONS

1955

CALENDAR YEAR	MAINTENANCE Physical Conditions			CHEMICAL Physical Conditions			TECHNICAL Physical Conditions			PRODUCTION Physical Conditions			MANUFACTURING OFFICE Physical Conditions			FIELD Physical
	NUMBER CHECKED	NUMBER SATISFACTORY	PER CENT SATISFACTORY	NUMBER CHECKED	NUMBER SATISFACTORY	PER CENT SATISFACTORY	NUMBER CHECKED	NUMBER SATISFACTORY	PER CENT SATISFACTORY	NUMBER CHECKED	NUMBER SATISFACTORY	PER CENT SATISFACTORY	NUMBER CHECKED	NUMBER SATISFACTORY	PER CENT SATISFACTORY	NUMBER CHECKED
1st QUARTER																
2nd																
3rd																
4th																
Late Rpld (Current Yr.)																
YEAR Totals																
Qtly. Avg.																
Late Rpld																
Totals																
Qtly. Avg.																
1st QUARTER	7,267	6,044	95	1,385	322	84	203	242	89	253	206	81	—	—	—	—
2nd	7,879	7,168	91	961	809	84	1,517	1,390	92	838	727	87	647	586	91	—
3rd	10,353	9,425	91	958	847	88	2,994	2,769	92	963	820	85	1,265	1,158	91	142
4th	10,793	9,508	92	1,216	1,107	91	3,542	3,270	95	6,633	6,042	91	1,250	1,165	93	—
Late Rpld (Current Yr.)							71	64	—							
YEAR Totals	36,292	30,145	92	3,520	3,085	88	8,397	7,835	93	8,687	7,795	90	3,162	2,909	92	142
Qtly. Avg.																
Late Rpld																
Totals																
Qtly. Avg.																

JOBS		SAFETY AND PROTECTION						K-25 PLANT		
Conditions		Physical Conditions						Physical Conditions		
SATISFACTORY	PER CENT SATISFACTORY	NUMBER CHECKED	NUMBER SATISFACTORY	PER CENT SATISFACTORY				NUMBER CHECKED	NUMBER SATISFACTORY	PER CENT SATISFACTORY
								668*		86
								668*		86
								FIVE-YEAR PERIOD 19 - 19		
								Totals		
								Qtly Avg		
—	—	—	—	—				5,168	4,814	93
—	—	—	—	—				11,836	10,680	90
119	84	—	—	—				16,673	15,138	91
—	—	63	54	86				22,997	21,246	92
								71	64	
119	84	63	54	86				56,745	51,942	92
								14,186	12,986	
								FIVE-YEAR PERIOD 19 - 19		
								Totals		
								Qtly Avg		

* Data for only one month available

LONG - TERM AIR SAMPLE DATA

1970 and 1971

CALENDAR YEAR		TECHNICAL DIVISION				PRODUCTION DIVISION				MAINTENANCE DIVISION			
		Number Samples Taken	Number Over PAL	Total Activity (c/m/ft^3)	Av. Activity Per Sample	Number Samples Taken	Number Over PAL	Total Activity (c/m/ft^3)	Av. Activity Per Sample	Number Samples Taken	Number Over PAL	Total Activity (c/m/ft^3)	Av. Activity Per Sample
1st. QUARTER			None			1601	2	263.68	0.17		None		
2nd. QUARTER			None			1721	7	326.89	0.19		None		
3rd. QUARTER			None			1996	0	265.91	0.13		None		
4th. QUARTER													
Late Rptd. (Current Year)													
YEAR 19	Total												
	Qtly. Av.												
Late Rptd.													
19 Revised	Total												
	Qtly. Av.												
BASE PERIOD		BASE PERIOD:											
	Total												
	Qtly. Av.												
1st. QUARTER													
2nd. QUARTER													
3rd. QUARTER													
4th. QUARTER													
Late Rptd. (Current Year)													
YEAR 19	Total												
	Qtly. Av.												
Late Rptd.													
19 Revised	Total												
	Qtly. Av.												
BASE PERIOD		BASE PERIOD:											
	Total												
	Qtly. Av.												

SP-18 (3-58)

ARTERLY DATA

OAK RIDGE GASEOUS DIFFUSION PLANT			
Number Samples Taken	Number Over PAL	Total Activity (c/m/ft^3)	Average Activity Per Sample
1601	2	263.68	0.17
1721	7	326.89	0.19
1996	0	265.81	0.13
BASE PERIOD:			
BASE PERIOD:			

LONG TERM AIR SAMPLE DATA

1968 -- 1969

CALENDAR YEAR		TECHNICAL DIVISION				PRODUCTION DIVISION				MAINTENANCE DIVISION			
		Number Samples Taken	Number Over PAL	Total Activity (c/m/ft²)	Av. Activity Per Sample	Number Samples Taken	Number Over PAL	Total Activity (c/m/ft²)	Av. Activity Per Sample	Number Samples Taken	Number Over PAL	Total Activity (c/m/ft²)	Av. Activity Per Sample
1st. QUARTER		230	0	22.96	0.10	2107	8	303.20	0.14	428	0	24.31	0.06
2nd. QUARTER		267	0	27.42	0.10	2388	5	311.29	0.13	310	0	20.12	0.06
3rd. QUARTER		253	0	31.79	0.13	2101	6	402.37	0.19	93	0	9.77	0.11
4th. QUARTER		268	0	23.57	0.09	2187	1	393.45	0.18	397	0	26.10	0.07
Late Rptd. (Current Year)													
YEAR 1968	Total												
	Qtly. Av.												
Late Rptd.													
19 Revised	Total												
	Qtly. Av.												
BASE PERIOD		BASE PERIOD:											
	Total												
	Qtly. Av.												
1st. QUARTER		164	0	14.15	0.09	1914	7	443.05	0.23	346	0	26.36	0.08
2nd. QUARTER		0	0	0.00	0.00	2371	5	469.57	0.20	231	0	9.68	0.04
3rd. QUARTER		—	—	—	—	1416	10	239.38	0.17	—	—	—	—
4th. QUARTER		—	—	—	—	1787	5	311.51	0.17	—	—	—	—
Late Rptd. (Current Year)													
YEAR 1969	Total												
	Qtly. Av.												
Late Rptd.													
19 Revised	Total												
	Qtly. Av.												
BASE PERIOD		BASE PERIOD:											
	Total												
	Qtly. Av.												

SP-18 (3-58)

ERLY DATA

					OAK RIDGE GASEOUS DIFFUSION PLANT			
					Number Samples Taken	Number Over PAL	Total Activity (c/m/ft^3)	Average Activity Per Sample
					2765	8	350.47	0.13
					2960	5	358.83	0.12
					2447	6	443.93	0.18
					2847	1	443.07	0.16
					11,019	20	1596.30	0.14
					1			
					BASE PERIOD:			
					2424	7	483.56	0.20
					2602	5	479.25	0.18
					1416	10	239.28	0.17
					1787	5	311.51	0.17
					8229	27	1513.70	0.18
					BASE PERIOD:			

L O N G - T E R M A I R S A M P L E D A T A

1966 - 1967

CALENDAR YEAR		TECHNICAL DIVISION				PRODUCTION DIVISION				MAINTENANCE DIVISION			
		Number Samples Taken	Number Over PAL	Total Activity (c/m/ft³)	Av. Activity Per Sample	Number Samples Taken	Number Over PAL	Total Activity (c/m/ft³)	Av. Activity Per Sample	Number Samples Taken	Number Over PAL	Total Activity (c/m/ft³)	Av. Activity Per Sample
1st. QUARTER		—	—	—	—	2236	4	303.19	0.14	359	0	24.97	0.07
2nd. QUARTER		12	0	2.47	0.21	1919	7	344.39	0.18	149	0	4.02	0.03
3rd. QUARTER		111	0	15.34	0.14	2006	3	277.56	0.14	486	0	62.77	0.13
4th. QUARTER		—	—	—	—	2183	7	341.44	0.16	446	0	63.49	0.14
Late Rptd. (Current Year)													
YEAR 19 66	Total	123	0	17.81	0.16	8344	17	1286.58	0.15	1440	0	155.25	0.11
	Qtly. Av.												
Late Rptd.													
19 66 Revised	Total												
	Qtly. Av.												
BASE PERIOD		BASE PERIOD:											
	Total												
	Qtly. Av.												
1st. QUARTER		47	0	2.86	0.06	1876	9	311.73	0.17	537	1	85.59	0.16
2nd. QUARTER		No valid Readings				2047	0	329.28	0.16	463	0	90.39	0.21
3rd. QUARTER		No valid Readings				2858	4	377.17	0.16	255	0	12.05	0.05
4th. QUARTER		234	0	23.18	0.10	2194	2	376.54	0.17	183	0	14.99	0.08
Late Rptd. (Current Year)													
YEAR 19 67	Total	281	0	26.04	0.09	8470	15	1394.70	0.16	1438	1	203.07	0.14
	Qtly. Av.												
Late Rptd.													
19 67 Revised	Total												
	Qtly. Av.												
BASE PERIOD		BASE PERIOD:											
	Total												
	Qtly. Av.												

SP-18 (3-58)

RTERLY DATA

					OAK RIDGE GASEOUS DIFFUSION PLANT			
					Number Samples Taken	Number Over PAL	Total Activity (c/m/ft^3)	Average Activity Per Sample
					2595	4	348.16	0.13
					2080	7	350.88	0.17
					2603	3	355.67	0.14
					2679	7	404.93	0.15
					9977	21	1459.64	0.15
					2487	5		
					BASE PERIOD:	1967-1966		
					57,927	1077	17,183.61	0.30
					2,896	54		
					2450	10	400.18	0.16
					2505	0	419.67	0.17
					2613	4	389.77	0.15
					2611	2	414.69	0.16
					10179	16	1623.76	0.16
					2545	4		
					BASE PERIOD:			

LONG-TERM AIR SAMPLE DATA

1964 and 1965

CALENDAR YEAR	TECHNICAL DIVISION 12-8 No. Samples	No. > PAL	Total Activity	Av. Activity	8-4 No. Samples	No. > PAL	Total Activity	Av. Activity	4-12 No. Samples	No. > PAL	Total Activity	Av. Activity	All No. Samples	No. > PAL	Total Activity	Av. Activity
1st. QUARTER	48	0	5.8	0.12	48	0	5.7	0.12	49	0	4.9	0.10	145	0	16.4	0.11
2nd. QUARTER	75	0	16.4	0.22	75	0	10.3	0.14	76	0	13.8	0.18	226	0	40.5	0.18
3rd. QUARTER	60	0	11.6	0.19	61	0	9.2	0.15	60	0	9.1	0.15	181	0	29.9	0.17
4th. QUARTER	0	0	0	—	0	0	0	—	0	0	0	—	0	0	0	—
Late Rptd. (Current Year)																
YEAR 1964 Total	183	0	33.8	0.18	184	0	25.2	0.14	185	0	27.8	0.15	552	0	86.8	0.16
YEAR 1964 Qtly. Av.																
Late Rptd.																
1964 Revised Total																
1964 Revised Qtly. Av.																
BASE PERIOD Total	BASE PERIOD:															
BASE PERIOD Qtly. Av.																
1st. QUARTER	0	0	0	—	0	0	0	—	0	0	0	—	0	0	0	—
2nd. QUARTER	0	0	0	—	0	0	0	—	0	0	0	—	0	0	0	—
3rd. QUARTER	27	0	0.48	0.02	27	0	0.33	0.01	27	0	0.24	0.01	81	0	1.05	0.01
4th. QUARTER	0	0	0	—	0	0	0	—	0	0	0	—	0	0	0	—
Late Rptd. (Current Year)																
YEAR 1965 Total	27	0	0.48	0.02	27	0	0.33	0.01	27	0	0.24	0.01	81	0	1.05	0.01
YEAR 1965 Qtly. Av.																
Late Rptd.																
1965 Revised Total																
1965 Revised Qtly. Av.																
BASE PERIOD Total	BASE PERIOD:															
BASE PERIOD Qtly. Av.																

CALENDAR YEAR	MAINTENANCE DIVISION 12-8 No. Samples	No. > PAL	Total Activity	Av. Activity	8-4 No. Samples	No. > PAL	Total Activity	Av. Activity	4-12 No. Samples	No. > PAL	Total Activity	Av. Activity	All No. Samples	No. > PAL	Total Activity	Av. Activity
1st. QUARTER	196	0	25.3	0.13	200	0	23.1	0.12	209	0	22	0.11	596	0	70.4	0.12
2nd. QUARTER	210	0	21.84	0.10	206	0	12.34	0.06	207	0	15.02	0.07	623	0	49.2	0.08
3rd. QUARTER	164	0	23.1	0.14	164	0	13.8	0.08	163	0	19.2	0.12	491	0	56.1	0.11
4th. QUARTER	95	0	9.1	0.10	97	0	5.7	0.06	97	0	8.5	0.09	289	0	23.3	0.08
Late Rptd. (Current Year)																
YEAR 1964 Total	665	0	79.34	0.12	667	0	54.94	0.08	667	0	64.72	0.10	1,999	0	199	0.10
YEAR 1964 Qtly. Av.																
Late Rptd.																
1964 Revised Total																
1964 Revised Qtly. Av.																
BASE PERIOD Total	BASE PERIOD:															
BASE PERIOD Qtly. Av.																
1st. QUARTER	129	0	8.39	0.07	131	0	8.64	0.07	130	0	7.63	0.06	390	0	24.66	0.06
2nd. QUARTER	138	0	17.95	0.13	137	0	17.55	0.13	136	0	19.5	0.14	411	0	55.00	0.13
3rd. QUARTER	87	0	8.67	0.10	86	0	5.22	0.06	86	0	5.43	0.06	259	0	19.32	0.07
4th. QUARTER	25	0	2.44	0.10	24	0	2.12	0.09	24	0	2.10	0.09	73	0	6.66	0.09
Late Rptd. (Current Year)																
YEAR 1965 Total																
YEAR 1965 Qtly. Av.																
Late Rptd.																
1965 Revised Total																
1965 Revised Qtly. Av.																
BASE PERIOD Total	BASE PERIOD:															
BASE PERIOD Qtly. Av.																

CALENDAR YEAR	PRODUCTION DIVISION 12-8 No. Samples	No. > PAL	Total Activity	Av. Activity	8-4 No. Samples	No. > PAL	Total Activity	Av. Activity	4-12 No. Samples	No. > PAL	Total Activity	Av. Activity	All No. Samples	No. > PAL	Total Activity	Av. Activity
1st. QUARTER	775	15	27.132	0.35	765	29	37.144	0.43	771	21	21.98	0.35	2,311	65	86.97	0.38
2nd. QUARTER	664	0	12.034	0.14	872	3	10.264	0.13	859	1	9.761	0.11	2,595	4	32.75	0.13
3rd. QUARTER	601	0	10.583	0.18	604	1	8.73	0.14	603	0	8.517	0.14	1,808	1	27.83	0.15
4th. QUARTER	459	14	15.61	0.34	461	28	298	0.65	452	13	19.46	0.43	1,372	55	63.77	0.47
Late Rptd. (Current Year)																
YEAR 1964 Total	2,499	29	65.345	0.24	2,702	41	82.58	0.31	2,685	35	64.38	0.24	8,086	125	212.19	0.26
YEAR 1964 Qtly. Av.																
Late Rptd.																
1964 Revised Total																
1964 Revised Qtly. Av.																
BASE PERIOD Total	BASE PERIOD:															
BASE PERIOD Qtly. Av.																
1st. QUARTER	446	44	41.20	0.09	473	79	10.28	0.20	436	54	44.78	0.20	1,915	177	96.35	1.01
2nd. QUARTER	409	11	18.31	0.34	612	21	226	0.39	608	12	12.45	0.29	1,929	44	62.22	0.34
3rd. QUARTER	448	2	11.22	0.31	549	5	10.205	0.19	543	2	10.25	0.19	1,640	9	32.42	0.20
4th. QUARTER	591	0	11.07	0.19	587	1	10.04	0.18	585	0	9.24	0.17	1,763	1	31.37	0.18
Late Rptd. (Current Year)																
YEAR 1964 Total																
YEAR 1964 Qtly. Av.																
Late Rptd.																
1964 Revised Total																
1964 Revised Qtly. Av.																
BASE PERIOD Total	BASE PERIOD:															
BASE PERIOD Qtly. Av.																

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A

OAK RIDGE GASEOUS DIFFUSION PLANT

12-8				8-4				4-12				All			
No. Samples	No. > PAL	Total Activity	Av. Activity	No. Samples	No. > PAL	Total Activity	Av. Activity	No. Samples	No. > PAL	Total Activity	Av. Activity	No. Samples	No. > PAL	Total Activity	Av. Activity
1,019	15	302.38	0.30	1,013	29	360.24	0.36	1,020	21	293.88	0.29	3,052	65	956.5	0.31
1,149	0	158.48	0.14	1,153	3	132.28	0.11	1,142	1	126.43	0.11	3,444	4	417.19	0.12
825	0	140.53	0.17	829	1	110.3	0.13	826	0	115.47	0.14	2,480	1	364.3	0.15
554	14	164.2	0.30	558	28	303.7	0.54	549	13	203.1	0.37	1,661	55	671	0.40
3,547	29	765.59	0.22	3,553	61	906.52	0.26	3,537	35	736.28	0.21	10,637	125	2,408.99	0.23
												2,659	31	—	—
BASE PERIOD: 1960 - 1964															
												66,841	3,502	28,277.31	0.42
												3,342	175	—	—
775	44	419.59	0.54	764	79	1,085.73	1.42	766	54	452.41	0.59	2,305	177	1,957.73	0.85
747	11	226.26	0.30	747	21	253.55	0.34	744	12	197.95	0.27	2,240	44	677.76	0.30
635	2	125.39	0.20	635	5	112.27	0.18	629	2	109.68	0.17	1,899	9	347.34	0.18
616	0	113.31	0.18	611	1	106.16	0.17	609	0	99.36	0.16	1,836	1	318.83	0.17
												8,280	231	3,301.26	0.40
												2,070	58	—	—
BASE PERIOD: 1961 - 1965															
												61,539	2,056	22,891.97	0.37
												3,077	103		

LONG-TERM AIR SAMPLE DATA

1962 and 1963

CALENDAR YEAR		TECHNICAL DIVISION 12-8 No. Samples	No. > PAL	Total Activity	Av. Activity	8-4 No. Samples	No. > PAL	Total Activity	Av. Activity	4-12 No. Samples	No. > PAL	Total Activity	Av. Activity	All No. Samples	No. > PAL	Total Activity	Av. Activity
1st. QUARTER		89	6	47	0.53	90	1	32	0.36	90	1	26	0.29	269	8	105	0.39
2nd. QUARTER		90	5	74	0.82	90	1	41	0.45	90	4	52	0.58	270	10	167	0.62
3rd. QUARTER		70	1	31.4	0.45	71	0	30.4	0.43	70	1	30.2	0.43	211	2	92	0.44
4th. QUARTER		77	2	32.6	0.42	76	8	45.8	0.60	78	2	46.4	0.59	231	12	125	0.54
Late Rptd. (Current Year)																	
YEAR 1962	Total	326	14	185	0.57	327	10	149.2	0.46	328	8	154.6	0.47	981	32	489	0.50
	Qtly. Av.																
Late Rptd.																	
1962 Revised	Total																
	Qtly. Av.																
BASE PERIOD	BASE PERIOD:																
	Total																
	Qtly. Av.																
1st. QUARTER		76	0	18.89	0.25	77	1	19.7	0.26	77	0	15.36	0.20	230	1	53.95	0.23
2nd. QUARTER		69	0	9.5	0.14	68	0	5.9	0.09	69	0	6.5	0.09	206	0	21.9	0.11
3rd. QUARTER		87	0	12.6	0.14	88	1	11.4	0.13	88	0	9.5	0.11	263	1	33.5	0.13
4th. QUARTER		80	0	14.61	0.18	81	0	8.49	0.10	81	0	10.83	0.13	242	0	33.93	0.14
Late Rptd. (Current Year)																	
YEAR 1963	Total	312	0	55.6	0.18	314	2	45.49	0.14	315	0	42.19	0.13	941	2	143.28	0.15
	Qtly. Av.																
Late Rptd.																	
1963 Revised	Total																
	Qtly. Av.																
BASE PERIOD	BASE PERIOD:																
	Total																
	Qtly. Av.																

CALENDAR YEAR		CHEMICAL DIVISION 12-8 No. Samples	No. > PAL	Total Activity	Av. Activity	8-4 No. Samples	No. > PAL	Total Activity	Av. Activity	4-12 No. Samples	No. > PAL	Total Activity	Av. Activity	All No. Samples	No. > PAL	Total Activity	Av. Activity
1st. QUARTER		351	25	265	0.25	353	81	246	2.1	352	28	26.7	0.76	1,056	134	1,328	1.2
2nd. QUARTER		407	24	241	0.24	409	43	403	0.99	401	31	[illegible]	0.81	1,217	98	988	0.81
3rd. QUARTER								To Prod. Div.									
4th. QUARTER																	
Late Rptd. (Current Year)																	
YEAR 1962	Total																
	Qtly. Av.																
Late Rptd.																	
1962 Revised	Total																
	Qtly. Av.																
BASE PERIOD	BASE PERIOD:																
	Total																
	Qtly. Av.																
1st. QUARTER																	
2nd. QUARTER																	
3rd. QUARTER																	
4th. QUARTER																	
Late Rptd. (Current Year)																	
YEAR 1963	Total																
	Qtly. Av.																
Late Rptd.																	
1963 Revised	Total																
	Qtly. Av.																
BASE PERIOD	BASE PERIOD:																
	Total																
	Qtly. Av.																

CALENDAR YEAR		MAINTENANCE DIVISION 12-8 No. Samples	No. > PAL	Total Activity	Av. Activity	8-4 No. Samples	No. > PAL	Total Activity	Av. Activity	No. Samples
1st. QUARTER		214	1	29	0.14	214	0	24	0.11	214
2nd. QUARTER		273	0	42	0.15	271	0	21	0.08	268
3rd. QUARTER		223	0	35.7	0.16	233	0	20.9	0.09	218
4th. QUARTER		249	0	31	0.12	255	0	28.8	0.11	249
Late Rptd. (Current Year)										
YEAR 1962	Total	959	1	137.7	0.14	973	0	94.7	0.10	949
	Qtly. Av.									
Late Rptd.										
1962 Revised	Total									
	Qtly. Av.									
BASE PERIOD	BASE PERIOD:									
	Total									
	Qtly. Av.									
1st. QUARTER		260	0	18.2	0.07	262	0	16.5	0.06	263
2nd. QUARTER		251	0	26.21	0.10	249	0	14.16	0.06	247
3rd. QUARTER		241	0	50.6	0.21	244	1	30.9	0.13	241
4th. QUARTER		221	0	39.43	0.18	213	0	24.7	0.12	221
Late Rptd. (Current Year)										
YEAR 1963	Total	973	0	134.44	0.14	968	1	87.04	0.09	972
	Qtly. Av.									
Late Rptd.										
1963 Revised	Total									
	Qtly. Av.									
BASE PERIOD	BASE PERIOD:									
	Total									
	Qtly. Av.									

SP-18 (3-58)

SAFETY AND HEALTH PHYSICS QUARTERLY DATA

4-12		All				PRODUCTION DIVISION 12-8				8-4				4-12				All			
Total Activity	Av. Activity	No. Samples	No. > PAL	Total Activity	Av. Activity	No. Samples	No. > PAL	Total Activity	Av. Activity	No. Samples	No. > PAL	Total Activity	Av. Activity	No. Samples	No. > PAL	Total Activity	Av. Activity	No. Samples	No. > PAL	Total Activity	Av. Activity
27	0.13	642	1	79	0.12	382	1	67	0.17	384	2	98	0.26	382	2	72	0.19	1,149	5	234	0.20
22	0.08	812	0	85	0.10	438	6	101	0.23	444	7	111	0.25	443	4	82	0.19	1,325	17	294	0.22
21.5	0.10	694	0	78.1	0.12	951	42	408	0.43	948	38	556	0.59	942	27	318	0.34	2,841	107	1,282	0.45
27.4	0.11	753	0	87.2	0.12	970	16	241.4	0.25	975	22	287.4	0.29	974	21	247	0.25	2,919	59	795	0.27
97.9	0.10	2581	1	329.3	0.11	3,500	114	1,343	0.38	3,513	193	2,201	0.63	3,444	113	1,330	0.38	10,557	420	4,871	0.46
16.13	0.06	285	0	50.83	0.06	945	68	193.7	0.23	946	23	224.12	0.28	943	65	197.32	0.24	2,834	206	2,315.24	0.82
21.57	0.09	747	0	62.24	0.08	951	2	164.42	0.17	950	6	158.6	0.17	953	3	165.72	0.17	2,854	11	488.69	0.17
27.6	0.16	726	1	119.1	0.16	936	4	161.0	0.17	946	4	135.62	0.14	939	2	126.89	0.14	2,821	10	424.47	0.15
21.38	0.14	655	0	95.71	0.15	768	4	226.62	0.29	780	7	218.21	0.28	784	1	177.35	0.23	2,352	12	621.61	0.26
106.58	0.11	2,913	1	328.38	0.11	3,620	78	945.74	0.26	3,622	90	1,416.45	0.40	3,619	71	1,165.24	0.32	10,861	239	3,527.43	0.35

OAK RIDGE GASEOUS DIFFUSION PLANT 12-8 Shift				8-4 Shift				4-12 Shift				All Shifts			
No. Samples	No. > PAL	Total Activity	Av. Activity	No. Samples	No. > PAL	Total Activity	Av. Activity	No. Samples	No. > PAL	Total Activity	Av. Activity	No. Samples	No. > PAL	Total Activity	Av. Activity
1,037	33	408	0.39	1,041	84	901	0.87	1,038	31	392	0.38	3,116	148	1,696	0.54
1,208	35	478	0.40	1,214	51	576	0.47	1,212	39	480	0.40	3,634	125	1,534	0.42
1,244	43	476	0.38	1,252	38	607	0.48	1,230	28	370	0.30	3,726	109	1,453	0.39
1,296	18	305	0.24	1,306	30	362	0.28	1,301	23	341	0.26	3,903	71	1,007	0.26
4,785	129	1,667	0.35	4,813	203	2,446	0.51	4,771	121	1,583	0.33	14,369	453	5,690	0.40
												3592	113		—
BASE PERIOD: 1958-1962															
												57,846	4,701	29,941	0.52
												2,893	235		—
1,281	68	730.71	0.57	1,285	74	960.22	0.75	1,285	65	730.76	0.57	3,849	207	2,421.69	0.63
1,271	2	200.13	0.16	1,267	6	177.32	0.14	1,267	3	193.85	0.15	3,807	11	571.33	0.15
1,264	4	225.04	0.18	1,278	6	177.92	0.14	1,268	2	173.94	0.14	3,810	12	576.87	0.15
1,089	4	280.04	0.26	1,074	7	251.4	0.23	1,086	1	217.79	0.20	3,249	12	757.25	0.23
4,905	78	1,435.94	0.29	4,904	93	1,559.	0.32	4,906	71	1,318.33	0.27	14,715	242	4,232.34	0.29
												3,679	61		
BASE PERIOD: 1959-1963															
												58,038	4,848	32,804.32	0.50
												3,402	242		

LONG-TERM AIR SAMPLE DATA

1960 and 1961

CALENDAR YEAR		TECHNICAL DIVISION				CHEMICAL DIVISION				PRODUCTION DIVISION				MAINTENANCE DIVISION				PROCESS ENGINEERING DIVISION			
		Number Samples Taken	Number Over PAL	Total Activity (c/m/ft³)	Av. Activity Per Sample	Number Samples Taken	Number Over PAL	Total Activity (c/m/ft³)	Av. Activity Per Sample	Number Samples Taken	Number Over PAL	Total Activity (c/m/ft³)	Av. Activity Per Sample	Number Samples Taken	Number Over PAL	Total Activity (c/m/ft³)	Av. Activity Per Sample	Number Samples Taken	Number Over PAL	Total Activity (c/m/ft³)	Av. Activity Per Sample
1st. QUARTER		276	17	107	0.39	2,080	592	2,362	1.1	—	—	—	—	466	2	52	0.11	458	23	104	0.23
2nd. QUARTER		250	1	54	0.22	2,093	341	1,823	0.87	—	—	—	—	508	1	88	0.17	458	14	121	0.26
3rd. QUARTER		272	12	78	0.29	2,248	126	941	0.42	—	—	—	—	523	1	86	0.16	427	11	111	0.26
4th. QUARTER		232	3	49	0.21	2,546	503	2,493	0.98	—	—	—	—	418	1	75	0.18	327	25	143	0.44
Late Rptd. (Current Year)																					
YEAR 1960	Total	1,030	33	288	0.28	8,967	1,562	7,619	0.85	—	—	—	—	1,915	9	301	0.16	1,670	73	479	0.29
	Qtly. Av.	258	8.3	—	—	2,242	391	—	—	—				479	2.3	—	—	418	18	—	—
Late Rptd.																					
1960 Revised	Total																				
	Qtly. Av.																				
BASE PERIOD		BASE PERIOD: 1956 - 1960								Excludes Proc. Eng.											
	Total	5,542	80	816	0.15	34,340	3,219	16,601	0.48	8,780	159	1,101.30	0.13	2,475	10	412.5	0.17	[5 - Prod. Div]			
	Qtly. Av.	1,108	16	—	—	6,868	644	—	—	1,756	32	—		495	4	—	—				
1st. QUARTER		273	1	35	0.13	2,216	345	1,449	0.65	213	5	38	Prod. only 0.18	475	1	108	0.23	418	23	108	0.26
2nd. QUARTER		270	2	43	0.16	2,074	356	1,597	0.77	211	0	18	Prod. only 0.09	291	1	54	0.19	444	7	76	0.17
3rd. QUARTER		269	1	69	0.26	1,849	138	1,680	0.91	598	1	76	Prod. + Proc. Eng. 0.13	482	1	53	0.11	[5 - Prod. Div]			
4th. QUARTER		260	2	85	0.33	2,070	108	1,424	0.69	198	6	124	0.18	427	1	131	0.31				
Late Rptd. (Current Year)										Prod. + Proc. Eng.											
YEAR 1961	Total	1,072	6	232	0.22	8,209	947	6,150	0.75	2,582	42	440	0.17	1,625	1	346	0.21				
	Qtly. Av.																				
Late Rptd.																					
1961 Revised	Total																				
	Qtly. Av.																				
BASE PERIOD		BASE PERIOD:																			
	Total																				
	Qtly. Av.																				

SP-18 (3-58)

ERLY DATA

OAK RIDGE GASEOUS DIFFUSION PLANT			
Number Sample Taken	Number Over PAL *	Total Activity (c/m/ft^3)	Average Activity Per Sample
3,280	634	2,625	0.80
3,309	356	2,086	0.63
3,470	149	1,216	0.35
3,523	538	2,760	0.78
13,582	1,677	8,687	0.64
3,396	419	—	—
BASE PERIOD: 1956-1960			
51,137	3,478	18,929	0.37
QRAL → 2,557	174	—	—
3,595	383	1,738	0.48
3,290	366	1,788	0.54
3,198	140	1,878	0.59
3,455	116	1,764	0.51
13,538	1,005	7,168	0.53
3,385	251	—	—
BASE PERIOD: 1957-1961			
53,544	4,314	24,831	0.46
2,677	216		—

* NOTE: Effective 7-1-61 PAL for air samples is 2.0 in place of the former 1.0

LONG-TERM AIR SAMPLE DATA

1958 and 1959

CALENDAR YEAR		TECHNICAL				CHEMICAL				PRODUCTION				MAINTENANCE				PROCESS ENGINEERING			
		Number of Samples Taken	Number Over P.A.L.	Total Activity (c/m/ft³)	Av Activity Per Sample	Number of Samples Taken	Number Over P.A.L.	Total Activity (c/m/ft³)	Av Activity Per Sample	Number of Samples Taken	Number Over P.A.L.	Total Activity (c/m/ft³)	Av Activity Per Sample	Number of Samples Taken	Number Over P.A.L.	Total Activity (c/m/ft³)	Av Activity Per Sample	Number of Samples Taken	Number Over P.A.L.	Total Activity (c/m/ft³)	Av Activity Per Sample
1st. QUARTER		303	1	34	0.11	1,205	24	162	0.13	85	0	0.74	0.01	—	—	—	—	28	0	3	0.11
2nd. QUARTER		205	0	6.5	0.03	749	3	39	0.05	80	1	3.4	0.04	—	—	—	—	—	—	—	—
3rd. QUARTER		196	2	15	0.08	592	3	30	0.05	—	—	—	—	—	—	—	—	—	—	—	—
4th. QUARTER		310	0	13	0.04	667	57	252	0.38	—	—	—	—	—	—	—	—	123	4	25	0.20
Late Rptd. (Current Year)																					
YEAR 1958	Total	1,014	3	69	0.07	3,213	87	483	0.15	165	1	4.3	0.03	—	—	—	—	151	4	28	0.19
	Qtly. Av.	254	0.75	—	X	803	22	—	X	41	0.25	—	X					38	0.5	—	X
Late Rptd.																					
19 Revised	Total																				
	Qtly. Av.																				
BASE PERIOD		BASE PERIOD: 1954–1958																			
	Total	5,267	40	379	0.07	23,436	424	2,935	0.13	9,601	64	1,039	0.11	848	18	30	0.74	553	4	46	0.08
	Qtly. Av.	263	2.0	—	X	1,172	21	—	X	480	3.2	—	—	42	0.90	—	—	49	0.5	—	X
1st. QUARTER		378	3	41	0.11	2,027	230	1,051	0.52	—	—	—	—	—	—	—	—	326	21	104	0.32
2nd. QUARTER		373	4	62	0.17	2,133	195	1,249	0.59	—	—	—	—	—	—	—	—	400	15	92	0.23
3rd. QUARTER		276	2	65	0.24	2,425	375	1,793	0.74	—	—	—	—	211	8	64	0.30	450	6	73	0.16
4th. QUARTER		230	9	76	0.33	1,934	583	2,994	1.5	—	—	—	—	242	3	40	0.17	439	17	108	0.25
Late Rptd. (Current Year)																					
YEAR 1959	Total	1,257	18	244	0.19	8,509	1,383	7,087	0.83	—	—	—	—	453	11	104	0.23	1,615	59	377	0.23
	Qtly. Av.	314	4.5	—	—	2,127	346	—	+					113	2.8	—	X	404	15	—	X
Late Rptd.																					
19 59 Revised	Total																				
	Qtly. Av.																				
BASE PERIOD		BASE PERIOD: 1955–1959																[1957–1959]			
	Total	5,704	58	605	0.11	28,377	1,721	9,373	0.33	7,396	34	318	0.04	968	27	705	0.73	2,168	63	423	0.20
	Qtly. Av.	285	2.9	—	X	1,417	86	—	X	370	1.7	—	X	48	1.4	—	X	181	3.2	—	X

SP-18 (3-58)

ERLY DATA

OAK RIDGE GASEOUS DIFFUSION PLANT			
Number Samples Taken	Number Over P.A.L.	Total Activity (c/m/ft3)	Average Activity Per Sample
1,621	25	200	0.12
1,034	4	49	0.05
788	5	45	0.06
1,100	61	290	0.26
4,543	95	584	0.13
1,136	24	—	—
4,543	95	584	0.13
1,136	24	—	—
BASE PERIOD: 1954–1958			
9,756	550	5,027	0.13
1,988	28	—	—
2,731	254	1,196	0.44
2,896	214	1,403	0.48
3,362	391	1,995	0.59
2,545	612	3,218	1.1
11,834	1,471	7,812	0.66
2,959	368	—	—
11,834	1,471	7,812	0.66
2,959	368	—	—
BASE PERIOD: 1955–1959			
44,613	1,903	11,423	0.26
2,231	95	—	—

PERSONNEL MONITORING

FILM BADGE DATA

1966 and 1967

CALENDAR YEAR		TECHNICAL DIVISION									HEALTH AND SAFETY DIVISION									PRODUCTION DIVISION									MAINTENANCE DIVISION									PLANT ENGINEERING DIVISION								
		No. Pers. Mont.	No. Exp. > MPL		Total Exp. (rem)		Av. Exp. Per Qtr Per Per. Monit. (rem)		Max. Qtrly Exp. (rem)		No. Pers. Mont.	No. Exp. > MPL		Total Exp. (rem)		Av. Exp. Per Qtr Per Per. Monit. (rem)		Max. Qtrly Exp. (rem)		No. Pers. Mont.	No. Exp. > MPL		Total Exp. (rem)		Av. Exp. Per Qtr Per Per Monit. (rem)		Max. Qtrly Exp. (rem)		No. Pers. Mont.	No. Exp. > MPL		Total Exp. (rem)		Av. Exp. Per Qtr Per Per Monit. (rem)		Max. Qtrly Exp. (rem)		No. Pers. Mont.	No. Exp. > MPL		Total Exp. (rem)		Av. Exp. Per Qtr Per Per Monit. (rem)		Max. Qtrly Exp. (rem)	
		No.	γ	β+γ	γ	β+γ	γ	β+γ	γ	β+γ		γ	β+γ	γ	β+γ	γ	β+γ	γ	β+γ		γ	β+γ	γ	β+γ	γ	β+γ	γ	β+γ		γ	β+γ	γ	β+γ	γ	β+γ	γ	β+γ		γ	β+γ	γ	β+γ	γ	β+γ	γ	β+γ
1st. QUARTER		18	0	0	.019	1.339	.001	.074	.019	.525	3	0	0	.012	.096	.001	.013	.012	.096	57	0	0	1.672	15.285	.028	.268	.348	1.376	37	0	0	.012	1.923	.003	.051	.012	.462	7	0	0	0	0	0	0	0	0	0	0	0
2nd. QUARTER		17	0	0	.065	.239	.004	.014	.031	.064	7	0	0	0	0	0	0	0	0	56	0	0	1.915	5.690	.034	.102	.43	.769	37	0	0	.143	.429	.004	.012	.044	.115	7	0	0	.024	.045	.003	.006	.024	.045		
3rd. QUARTER		19	0	0	.033	.327	.002	.018	.011	.048	7	0	0	.011	.036	.002	.005	.011	.036	57	0	0	1.744	5.898	.031	.103	.39	.571	37	0	0	.052	.308	.001	.008	.041	.147	7	0	0	.037	.067	.005	.009	.037	.067		
4th. QUARTER		20	0	0	.207	.855	.011	.043	.043	.010	6	0	0	.050	.077	.008	.013	.050	.077	56	0	0	2.113	7.253	.037	.127	.362	.525	37	0	0	.186	.769	.005	.020	.050	.196	8	0	0	.067	.252	.008	.031	.067	.206		
Late Rptd. (Current Year)																																															
YEAR 19 66	Total																																														
	Qtly. Av.																																														
Late Rptd.																																															
19 64 Revised	Total																																															
	Qtly. Av.																																														
BASE PERIOD		BASE PERIOD:																																													
BASE PERIOD	Total																																															
	Qtly. Av.																																														
1st. QUARTER		22	0	0	.108	.468	.005	.026	.027	.080	7	0	0	.027	.035	.004	.005	.027	.035	57	0	0	1.579	5.36	.027	.096	.241	1.129	34	0	0	.039	.253	.001	.007	.039	.133	8	0	0	.027	.220	.003	.028	.027	.220		
2nd. QUARTER		20	0	0	.000	.470	.000	.024	.000	.140	7	0	0	.020	.028	.003	.004	.020	.028	56	0	0	1.377	6.391	.025	.114	.377	1.137	34	0	0	.100	.747	.003	.022	.040	.190	8	0	0	.110	.687	.014	.080	.090	.450		
3rd. QUARTER		21	0	0	.399	.858	.019	.041	.144	.274	7	0	0	.050	.080	.007	.011	.050	.080	57	0	0	2.680	9.416	.047	.165	.411	.695	34	0	0	.337	.938	.010	.028	.160	.160	8	0	0	.235	.583	.029	.073	.070	.160		
4th. QUARTER		18	0	0	.027	.314	.002	.019	.027	.080	7	0	0	.000	.000	.000	.000	.000	.000	58	0	0	1.184	4.578	.020	.098	.290	1.148	34	0	0	.027	.377	.008	.011	.027	.080	11	0	0	.027	.278	.003	.025	.027	.080		
Late Rptd. (Current Year)																																															
YEAR 19 67	Total																																														
	Qtly. Av.																																														
Late Rptd.																																															
19 67 Revised	Total																																															
	Qtly. Av.																																														
BASE PERIOD		BASE PERIOD:																																													
BASE PERIOD	Total																																															
	Qtly. Av.																																														

TERLY DATA

OAK RIDGE GASEOUS DIFFUSION PLANT

Number Persons Monitored	Number Exposures Above MPL			Total Exposure (rem)		Average Exposure Per Quarter Per Person Monitored (rem)		Maximum Quarterly Exposure (rem)	
	γ	β+γ	Tot. No.	γ	β+γ	γ	β+γ	γ	β+γ
126	0	0	0	1.655	18.643	.013	.148	.348	1.376
124	0	0	0	2.147	6.403	.017	.052	.431	.769
126	0	0	0	1.872	6.631	.015	.053	.391	.511
127	0	0	0	2.632	9.186	.021	.072	.362	.525
503	0	0	0	8.306	40.863	.017	.081	0.431	1.376
126									
BASE PERIOD:									
127	0	0	0	1.730	6.443	.014	.051	.410	1.128
125	0	0	0	1.607	8.273	.013	.066	.377	.932
127	0	0	0	3.704	11.874	.029	.094	.411	.695
128	0	0	0	1.263	6.694	.010	.052	.290	1.148
507	0	0	0	8.254	32.136	.065			
127				2.064		.016			
BASE PERIOD:									

Corrected after return of Ridge Filing Report

PERSONNEL MONITORING

FILM BADGE DATA

1964 and 1965

CALENDAR YEAR	TECHNICAL DIVISION									HEALTH AND SAFETY DIVISION									PRODUCTION DIVISION									MAINTENANCE DIVISION									PLANT ENGINEERING DIVISION											
	No. Pers. Mont.	No. Exp. > MPL		Total Exp. (rem)		Av. Exp. Per Qtr Per Per. Monit. (rem)		Max. Qtrly Exp. (rem)		No. Pers. Mont.	No. Exp. > MPL		Total Exp. (rem)		Av. Exp. Per Qtr Per Per. Monit. (rem)		Max. Qtrly Exp. (rem)		No. Pers. Mont.	No. Exp. > MPL		Total Exp. (rem)		Av. Exp. Per Qtr Per Per. Monit. (rem)		Max. Qtrly Exp. (rem)		No. Pers. Mont.	No. Exp. > MPL		Total Exp. (rem)		Av. Exp. Per Qtr Per Per. Monit. (rem)		Max. Qtrly Exp. (rem)		No. Pers. Mont.	No. Exp. > MPL		Total Exp. (rem)		Av. Exp. Per Qtr Per Per. Monit. (rem)		Max. Qtrly Exp. (rem)		No. Pers. Mont.	No. Exp. > MPL	
		γ	β+γ	γ	β+γ	γ	β+γ	γ	β+γ		γ	β+γ	γ	β+γ	γ	β+γ	γ	β+γ		γ	β+γ	γ	β+γ	γ	β+γ	γ	β+γ		γ	β+γ	γ	β+γ	γ	β+γ	γ	β+γ		γ	β+γ	γ	β+γ	γ	β+γ	γ	β+γ		γ	
1st. QUARTER	17	0	0	0	0.389	0	0.023	0	0.124	8	0	0	0	0	0	0	0	0	41	0	0	0.040	3.017	0.001	0.024	0.020	0.337	29	0	0	0	0.424	0	0.015	0	0.280	7	0	0	0.040	0.162	0.008	0.023	0.040	0.162			
2nd. QUARTER	17	0	0	0.114	0.569	0.007	0.033	0.031	0.117	8	0	0	0.015	0.021	0.002	0.003	0.015	0.021	52	0	0	0.166	3.365	0.003	0.024	0.025	0.242	29	0	0	0.052	0.177	0.002	0.006	0.023	0.055	8	0	0	0.241	0.520	0.033	0.065	0.108	0.208			
3rd. QUARTER	16	0	0	0.028	0.430	0.002	0.027	0.017	0.054	8	0	0	0.017	0.040	0.002	0.005	0.017	0.040	41	0	0	0.366	2.372	0.009	0.058	0.095	0.380	28	0	0	0.022	0.344	0.001	0.012	0.011	0.119	8	0	0	0.121	0.344	0.015	0.027	0.080	0.130			
4th. QUARTER	16	0	0	0.045	0.645	0.003	0.040	0.015	0.120	8	0	0	0.120	0.287	0.015	0.036	0.050	0.110	41	0	0	0.166	3.185	0.004	0.053	0.021	0.206	29	0	0	0.045	0.676	0.002	0.023	0.015	0.218	8	0	0	0.221	0.695	0.028	0.087	0.100	0.220			
Late Rptd. (Current Year)																																																
YEAR 1964 Total																																																
YEAR 1964 Qtly. Av.																																																
Late Rptd.																																																
1964 Revised Total																																																
1964 Revised Qtly. Av.																																																
BASE PERIOD Total	BASE PERIOD:																																															
BASE PERIOD Qtly. Av.																																																
1st. QUARTER	18	0	0	0.170	0.832	0.009	0.046	0.050	0.210	8	0	0	0.329	0.526	0.041	0.066	0.236	0.353	52	0	0	0.674	4.170	0.013	0.080	0.070	0.299	44	0	0	0.186	1.407	0.004	0.032	0.039	0.817	8	0	0	1.479	2.125	0.011	0.055	0.234	0.353			
2nd. QUARTER	18	0	0	0.037	0.912	0.002	0.051	0.032	0.100	8	0	0	0.130	0.260	0.016	0.033	0.070	0.090	53	0	0	0.984	4.661	0.019	0.088	0.054	0.494	38	0	0	0.287	1.961	0.004	0.052	0.080	0.330	8	0	0	0.037	0.262	0.005	0.023	0.037	0.090			
3rd. QUARTER	19	0	0	0.074	0.541	0.004	0.028	0.037	0.101	8	0	0	0.185	1.254	0.023	0.219	0.037	0.953	42	0	0	0.946	5.751	0.022	0.137	0.075	0.722	38	0	0	0.461	1.459	0.012	0.038	0.087	0.210	8	0	0	0.080	0.300	0.000	0.043	0.080	0.080			
4th. QUARTER	19	0	0	0.120	0.343	0.006	0.018	0.030	0.097	8	0	0	0.190	0.275	0.024	0.034	0.090	0.127	57	0	0	1.527	4.313	0.027	0.077	0.467	0.629	38	0	0	0.200	0.742	0.005	0.020	0.110	0.220	8	0	0	0.100	0.171	0.018	0.021	0.040	0.110			
Late Rptd. (Current Year)																																																
YEAR 1965 Total																																																
YEAR 1965 Qtly. Av.																																																
Late Rptd.																																																
1965 Revised Total																																																
1965 Revised Qtly. Av.																																																
BASE PERIOD Total	BASE PERIOD:																																															
BASE PERIOD Qtly. Av.																																																

SP-18 (3-58)

AFETY AND HEALTH PHYSICS QUARTERLY DATA

.1 .)	Av. Exp. Per Qtr Per Per. Monit. (rem)		Max. Qtrly Exp. (rem)		No. Pers. Mont.	No. Exp. > MPL		Total Exp. (rem)		Av. Exp. Per Qtr Per Qtr Monit.		Max. Qtrly Exp. (rem)	
γ	γ	β+γ	γ	β+γ		γ	β+γ	γ	β+γ	γ	β+γ	γ	β+γ

OAK RIDGE GASEOUS DIFFUSION PLANT

Number Persons Monitored	Number Exposures Above MPL			Total Exposure (rem)		Average Exposure PerQuarter Per Person Monitored (rem)		Maximum Quarterly Exposure (rem)	
	γ	β+γ	Tot. No.	γ	β+γ	γ	β+γ	γ	β+γ
102	0	0	0	0.120	3.992	0.001	0.039	0.060	0.332
118	0	0	0	0.609	2.652	0.005	0.022	0.105	0.242
101	0	0	0	0.554	3.401	0.005	0.034	0.095	0.300
102	0	0	0	0.597	4.488	0.006	0.044	0.100	0.220
423	0	0	0	1.880	14.533	0.004	0.034	0.108	0.237
106								—	—
BASE PERIOD:									
130	0	0	0	1.477	7.125	0.011	0.055	0.236	0.353
125	0	0	0	1.425	8.056	0.011	0.064	0.354	0.494
115	0	0	0	1.666	9.804	0.014	0.085	0.089	0.953
130	0	0	0	2.137	5.864	0.016	0.045	0.417	0.679
500	0	0	0	6.707	30.849	0.013	0.062	0.417	0.953
125	0	0	0	—	—	—	—	—	—
BASE PERIOD:									

no. different individuals monitored = 119

no. different individuals monitored = 155

PERSONNEL MONITORING

FILM BADGE DATA

1962 and 1963

CALENDAR YEAR		TECHNICAL DIVISION								CHEMICAL DIVISION								PRODUCTION DIVISION								MAINTENANCE DIVISION							
		No. Pers. Mont.	No. Exp. > MPL		Total Exp. (rem)		Av. Exp. Per Qtr Per Per. Monit. (rem)		Max. Qtrly Exp. (rem)		No. Pers. Mont.	No. Exp. > MPL		Total Exp. (rem)		Av. Exp. Per Qtr Per Per. Monit. (rem)		Max. Qtrly Exp. (rem)		No. Pers. Mont.	No. Exp. > MPL		Total Exp. (rem)		Av. Exp. Per Qtr Per Per. Monit. (rem)		Max. Qtrly Exp. (rem)		No. Pers. Mont.	No. Exp. > MPL		Total Exp. (rem)		Av. Exp. Per Qtr Per Per. Monit. (rem)		Max. Qtrly Exp. (rem)	
		No.	γ	β+γ	γ	β+γ	γ	β+γ	γ	β+γ	No.	γ	β+γ	γ	β+γ	γ	β+γ	γ	β+γ	No.	γ	β+γ	γ	β+γ	γ	β+γ	γ	β+γ	No.	γ	β+γ	γ	β+γ	γ	β+γ	γ	β+γ
1st. QUARTER		8	0	0	0	0	0	0	0	0	38	0	0	0.319	3.490	0.009	0.092	0.092	0.346	11	0	0	0	0.298	0	0.027	0	0.075	39	0	0	0.1[illegible]4	1.461	0.003	0.037	0.067	0.645
2nd. QUARTER		3	0	0	0.011	0.022	0.014	0.007	0.011	0.022	—									36	0	0	0.249	2.797	0.007	0.078	0.027	0.347	39	0	0	[illegible]	0.735	0.003	0.019	0.094	0.502
3rd. QUARTER		5	0	0	0.011	0.034	0.002	0.007	0.011	0.034	—									33	0	0	0.165	1.824	0.005	0.057	0.060	0.229	30	0	0	0.174	0.765	0.006	0.026	0.117	0.235
4th. QUARTER		7	0	0	0.015	0.060	0.002	0.009	0.015	0.030	—									41	0	0	0.045	5.339	0.001	0.130	0.015	0.969	30	0	0	0.125	1.100	0.004	0.037	0.045	0.220
Late Rptd. (Current Year)																																					
YEAR 1962	Total	23	0	0	0.037	0.116	0.002	0.005	0.015	0.034	—									159	0	0	0.722	12.778	0.005	0.087	0.092	0.347	138	0	0	[illegible]	4.021	0.004	0.030	0.117	0.645
	Qtly. Av.	5.8																		40									35								
Late Rptd.																																					
19 Revised	Total																																				
	Qtly. Av.																																				
BASE PERIOD		BASE PERIOD:																																			
	Total																																				
	Qtly. Av.																																				
1st. QUARTER		17	0	0	0.090	1.215	0.005	0.071	0.030	0.310	1	0	0	0	0	0	0	0	0	39	0	0	0.280	5.211	0.010	0.134	0.100	0.860	30	0	0	0.110	1.205	0.004	0.040	0.060	0.271
2nd. QUARTER		18	0	0	0.027	0.809	0.002	0.045	0.027	0.190	—									37	0	0	0.054	2.379	0.002	0.064	0.027	0.458	32	0	0	[illegible]	0.528	0.003	0.017	0.027	0.149
3rd. QUARTER		17	0	0	0.030	0.778	0.002	0.046	0.030	0.157	—									39	0	0	0.131	3.119	0.003	0.081	0.041	0.628	38	0	0	[illegible]	0.448	0.002	0.012	0.060	0.140
4th. QUARTER		17	0	0	0.061	0.495	0.004	0.029	0.023	0.148	—									41	0	0	0.184	1.796	0.005	0.043	0.031	0.373	29	0	0	[illegible]	0.172	0.001	0.006	0.015	0.097
Late Rptd. (Current Year)																																					
YEAR 1963	Total	69	0	0	0.208	3.287	0.003	0.048	0.030	0.370	1	0	0	0	0	0	0	0	0	154	0	0	0.747	12.535	0.005	0.080	0.100	0.860	129	0	0	[illegible]	3.353	0.003	0.018	0.060	0.271
	Qtly. Av.	17									0.25									39									32								
Late Rptd.																																					
19 Revised	Total																																				
	Qtly. Av.																																				
BASE PERIOD		BASE PERIOD:																																			
	Total																																				
	Qtly. Av.																																				

1094 Dept only

Pl. Div.

SP-18 (3-58)

SAFETY AND HEALTH PHYSICS QUARTERLY DATA

PRODUCTION DIVISION

No. Exp. > MPL γ	No. Exp. > MPL β+γ	Total Exp. (rem) γ	Total Exp. (rem) β+γ	Av. Exp. Per Qtr Per Pers. Monit. (rem) γ	Av. Exp. Per Qtr Per Pers. Monit. (rem) β+γ	Max. Qtrly Exp. (rem) γ	Max. Qtrly Exp. (rem) β+γ
0	0	0	0.298	0	0.027	0	0.025
0	0	0.249	2.797	0.007	0.078	0.027	0.347
0	0	0.165	1.874	0.005	0.057	0.060	0.229
0	0	0.045	5.339	0.001	0.130	0.015	0.989
0	0	0.728	12.798	0.005	0.087	0.092	0.347
0	0	0.380	5.211	0.010	0.134	0.100	0.860
0	0	0.054	2.379	0.002	0.014	0.027	0.468
0	0	0.131	3.149	0.003	0.081	0.041	0.128
0	0	0.184	1.726	0.005	0.043	0.031	0.373
0	0	0.749	12.535	0.005	0.080	0.100	0.860

MAINTENANCE DIVISION

No. Pers. Mont.	No. Exp. > MPL γ	No. Exp. > MPL β+γ	Total Exp. (rem) γ	Total Exp. (rem) β+γ	Av. Exp. Per Qtr Per Pers. Monit. (rem) γ	Av. Exp. Per Qtr Per Pers. Monit. (rem) β+γ	Max. Qtrly Exp. (rem) γ	Max. Qtrly Exp. (rem) β+γ
39	0	0	0.134	1.461	0.003	0.037	0.067	0.645
39	0	0	0.110	0.735	0.003	0.019	0.194	1.502
30	0	0	0.174	0.785	0.006	0.026	0.117	0.235
30	0	0	0.125	1.100	0.004	0.037	0.045	0.220
138	0	0	0.543	4.081	0.004	0.030	0.117	1.645
35								
30	0	0	0.130	1.205	0.004	0.040	0.060	0.271
32	0	0	0.108	0.528	0.003	0.017	0.027	0.149
38	0	0	0.090	0.448	0.002	0.012	0.040	0.140
29	0	0	0.030	0.172	0.001	0.006	0.015	0.097
129	0	0	0.358	2.353	0.003	0.018	0.060	0.271
32								

INDUSTRIAL RELATIONS DIVISION

No. Pers. Mont.	No. Exp. > MPL γ	No. Exp. > MPL β+γ	Total Exp. (rem) γ	Total Exp. (rem) β+γ	Av. Exp Per Qtr Per Pers. Monit. (rem) γ	Av. Exp Per Qtr Per Pers. Monit. (rem) β+γ	Max. Qtrly Exp. (rem) γ	Max. Qtrly Exp. (rem) β+γ
14	0	0	0.034	0.093	0.002	0.007	0.017	0.034
8	0	0	0.280	0.342	0.035	0.043	0.133	0.151
8	0	0	0.336	0.534	0.042	0.067	0.267	0.362
8	0	0	0.022	0.165	0.003	0.021	0.015	0.080
38	0	0	0.672	1.134	0.018	0.030	0.267	0.362
9.5								
7	0	0	0.040	0.124	0.006	0.018	0.024	0.060
8	0	0	0.000	0.050	0.000	0.006	0.050	0.050
8	0	0	0.096	1.141	0.012	0.018	0.050	0.050
8	0	0	0.023	0.094	0.003	0.012	0.023	0.055
31	0	0	0.159	0.409	0.005	0.013	0.050	0.060
8								

HEALTH AND SAFETY (041/118/108 Depts Only)

PLANT ENGINEERING DIVISION

No. Pers. Mont.	No. Exp. > MPL γ	No. Exp. > MPL β+γ	Total Exp. (rem) γ	Total Exp. (rem) β+γ	Av. Exp Per Qtr Per Pers. Monit. (rem) γ	Av. Exp Per Qtr Per Pers. Monit. (rem) β+γ	Max. Qtrly Exp. (rem) γ	Max. Qtrly Exp. (rem) β+γ
5	0	0	0	0	0	0	0	0
11	0	0	0	0.034	0	0.003	0	0.023
6	0	0	0.064	0.113	0.011	0.019	0.032	0.066
6	0	0	0	0.100	0	0.017	0	0.060
28	0	0	0.064	0.247	0.002	0.009	0.032	0.066
7								
6	0	0	0.473	0.770	0.079	0.128	0.272	0.492
6	0	0	0.050	0.137	0.008	0.023	0.050	0.057
7	0	0	0.130	1.267	0.019	0.038	0.106	0.180
6	0	0	0.109	0.356	0.018	0.060	0.063	0.143
15	0	0	0.712	1.532	0.430	0.061	0.272	0.492
6								

FINANCE AND MATERIALS DIVISION

No. Pers. Mont.	No. Exp. > MPL γ	No. Exp. > MPL β+γ	Total Exp. (rem) γ	Total Exp. (rem) β+γ	Av. Exp. Per Qtr Per Pers. Monit. (rem) γ	Av. Exp. Per Qtr Per Pers. Monit. (rem) β+γ	Max. Qtrly Exp. (rem) γ	Max. Qtrly Exp. (rem) β+γ
1	0	0	0	0	0	0	0	0
1	0	0	0.044	0.057	0.044	0.057	.14	0.057
1	0	0	0	0	0	0	[illegible]	0
2	0	0	0	0	0	0	0	0
5	0	0	0.044	0.057	0.009	0.011	0.144	0.057
1.3								
—	—							
—	—							
1	0	0	0	0	0	0	[illegible]	0
—	—							
1	0	0	0	0	0	0	0	0
0.25								

GENERAL FINANCE AND MATERIALS DIVISION

No. Pers. Mont.	No. Exp. > MPL γ	No. Exp. > MPL β+γ	Total Exp. (rem) γ	Total Exp. (rem) β+γ	Av. Exp. Per Qtr Per Pers. Monit. (rem) γ	Av. Exp. Per Qtr Per Pers. Monit. (rem) β+γ	Max. Qtrly Exp (rem) γ	Max. Qtrly Exp (rem) β+γ
–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–
–	–	–	–					–
–	–	–			–	–	–	–
–	–	–	–	–	–	–	–	–

OPERATIO[NS] D[IVISION]

No. Pers. Mont.	No. Exp. > MPL γ	No. Exp. > MPL β+γ	Tot[al] Exp (re[m]) γ
–	–	–	–
–	–	–	–
–	–	–	–
–	–	–	–
–	–	–	–

ANALYSIS
SION

Av. Exp. Per Qtr Per Per. Monit. (rem)		Max. Qtrly Exp. (rem)		OAK RIDGE GASEOUS DIFFUSION PLANT										
				Number Persons Monitored	Number Exposures Above MPL			Total Exposures (rem)		Average Exposure Per Quarter Per Person Monitored (rem)		Maximum Quarterly Exposure (rem)	
γ	β+γ	γ	β+γ		γ	β+γ	Tot. No.	γ	β+γ	γ	β+γ	γ	β+γ
—	—	—	—	116	0	0	0	0.437	5.342	0.004	0.046	0.092	0.645
—	—	—	—	98	0	0	0	0.694	3.987	0.007	0.041	0.133	0.502
—	—	—	—	83	0	0	0	0.750	3.340	0.009	0.040	0.267	0.362
—	—	—	—	94	0	0	0	0.207	6.734	0.002	0.072	0.060	0.411
				391	0	0	0	2.088	19.403	0.005	0.050	0.267	0.645
				Av. 98	0	0	0						
				BASE PERIOD:									
				100	0	0	0	1.113	8.520	0.011	0.085	0.272	0.860
				101	0	0	0	0.239	3.898	0.002	0.039	0.050	0.458
				110	0	0	0	0.477	4.803	0.004	0.044	0.100	0.428
				101	0	0	0	0.407	2.895	0.004	0.029	0.063	0.373
				412	0	0	0	2.236	20.114	0.005	0.049	0.272	0.860
				Av. 103									
				BASE PERIOD:									

PERSONNEL MONITORING

FILM BADGE DATA

1960 and 1961

SAI

CALENDAR YEAR		TECHNICAL DIVISION No. Pers. Monit.	No. Exp. > MPL		Total Exp. (rem)		Av. Exp. Per Qtr. Per Per. Monit. (rem)		Max. Qtrly. Exp. (rem)		CHEMICAL DIVISION No. Pers. Monit.	No. Exp. > MPL		Total Exp. (rem)		Av. Exp. Per Qtr. Per Per. Monit. (rem)		Max. Qtrly Exp. (rem)	
			γ	β+γ	γ	β+γ	γ	β+γ	γ	β+γ		γ	β+γ	γ	β+γ	γ	β+γ	γ	β+γ
1st. QUARTER		18	0	0	0.065	1.457	0.014	1.457	0.037	0.349	136	0	0	2.731	41.335	0.057	0.304	1.532	3.495
2nd. QUARTER		21	0	0	0.353	1.489	0.017	0.071	0.050	0.350	134	0	0	11.012	55.248	0.012	0.412	0.923	3.209
3rd. QUARTER		29	0	0	0.278	1.323	0.010	0.046	0.075	0.150	142	0	0	13.733	43.900	0.097	0.309	1.433	3.391
4th. QUARTER		28	0	0	0.273	2.796	0.026	0.100	0.147	0.351	139	0	0	9.304	31.217	0.067	0.225	1.341	1.867
Late Rptd. (Current Year)																			
YEAR 1960	Total	96	0	0	1.469	7.065	0.015	0.074	0.147	0.351	551	0	0	41.780	171.720	0.076	0.312	1.532	3.495
	Qtly. Av.	24	0	0	—		—	—	—		138	0	0						
Late Rptd.																			
1960 Revised	Total																		
	Qtly. Av.																		
BASE PERIOD		BASE PERIOD:																	
	Total																		
	Qtly. Av.																		
1st. QUARTER		22	0	0	0.673	2.871	0.031	0.131	0.145	0.145	120	0	0	7.380	31.370	0.067	0.261	0.778	3.167
2nd. QUARTER		24	0	0	0.550	2.798	0.023	0.117	0.130	0.291	127	0	0	7.988	46.543	0.063	0.366	0.781	6.164
3rd. QUARTER		26	0	0	0.248	2.510	0.010	0.108	0.050	0.333	86	0	0	5.881	46.603	0.068	0.542	0.700	5.801
4th. QUARTER		32	0	0	0.333	2.661	0.007	0.083	0.132	0.333	75	0	0	1.525	16.478	0.020	0.220	0.288	4.550
Late Rptd. (Current Year)																			
YEAR 1961	Total	104	0	0	1.704	11.140	0.016	0.107	0.145	0.333	408	0	0	22.774	140.919	0.056	0.346	0.781	6.164
	Qtly. Av.	26	0	0	—						102	0	0						
Late Rptd.																			
1961 Revised	Total																		
	Qtly. Av.																		
BASE PERIOD		BASE PERIOD:																	
	Total																		
	Qtly. Av.																		

CALENDAR YEAR		PRODUCTION DIVISION No. Persons Monit.	No. Exp. > MPL		Total Exp. (rem)		Av. Exp. Per Qtr. Per Per. Monit. (rem)		Max. Qtrly Exp. (rem)		MAINTENANCE DIVISION No. Pers. Monit.	No. Exp. > MPL		Total Exp. (rem)		Av. Exp. Per Qtr. Per Per. Monit. (rem)		Max. Qtrly Exp. (rem)	
			γ	β+γ	γ	β+γ	γ	β+γ	γ	β+γ		γ	β+γ	γ	β+γ	γ	β+γ	γ	β+γ
1st. QUARTER		0	—								300	0	0	7.355	15.488	0.025	0.118	0.367	2.289
2nd. QUARTER		6	0	0	0.054	0.508	0.009	0.085	0.027	0.227	311	0	0	9.338	16.731	0.031	0.118	0.468	1.188
3rd. QUARTER		58	0	0	1.408	1.446	0.024	0.025	0.189	0.193	372	0	0	9.272	17.465	0.016	0.048	0.212	0.431
4th. QUARTER		89	0	0	1.180	1.194	0.013	0.013	0.089	0.089	504	0	0	20.693	17.028	0.036	0.044	0.244	3.094
Late Rptd. (Current Year)																			
YEAR 1960	Total	153	0	0	2.642	3.148	0.017	0.021	0.189	0.227	1,197	0	0	46.658	67.712	0.027	0.078	0.244	3.094
	Qtly. Av.	38	0	0	—		—		—	—	437	0	0						—
Late Rptd.																			
1960 Revised	Total																		
	Qtly. Av.																		
BASE PERIOD																			
	Total																		
	Qtly. Av.																		
1st. QUARTER		344	0	0	6.782	6.549	0.020	0.024	0.646	1.437	519	0	0	9.[illegible]	[illegible]	0.017	0.068	0.578	2.545
2nd. QUARTER		71	0	0	0.825	1.646	0.012	0.023	0.112	0.3[illegible]	580	0	0	7.66[illegible]	13.341	0.015	0.064	0.346	1.607
3rd. QUARTER		69	0	0	0.587	3.499	0.009	0.131	0.138	0.560	404	0	0	3.982	33.723	0.010	0.083	0.519	3.034
4th. QUARTER		126	0	0	0.681	5.180	0.005	0.041	0.277	1.716	411	0	0	2.935	7.511	0.007	0.067	0.988	5.809
Late Rptd. (Current Year)																			
YEAR 1961	Total	644	0	0	10.349	26.660	0.016	0.037	0.646	1.716	1854	0	0	23.[illegible]	1.927	0.013	0.070	0.988	5.809
	Qtly. Av.	161	0	0	—	—	—	—	—	—	464	0	0	—					—
Late Rptd.																			
1961 Revised	Total																		
	Qtly. Av.																		
BASE PERIOD																			
	Total																		
	Qtly. Av.																		

CALENDAR YEAR		INDUSTRIAL RELATIONS DIVISION No. Pers. Monit.	No. Exp. > MPL		Total Exp. (rem)		Av. Exp. Per Qtr. Per Per. Monit. (rem)		Max. Qtrly Exp. (rem)		PLANT ENGI DIVISI No. Pers. Monit.	No. Exp. > MPL		Total Exp. (rem)	
			γ	β+γ	γ	β+γ	γ	β+γ	γ	β+γ		γ	β+γ	γ	β+γ
1st. QUARTER		19	0	0	0.201	1.607	0.016	0.095	0.079	1.172	6	0	0	0.244	0.29
2nd. QUARTER		81	0	0	0.536	0.604	0.026	0.023	0.334	0.334	7	0	0	0.131	0.21
3rd. QUARTER		82	0	0	0.843	3.097	0.035	0.038	0.676	0.689	15	0	0	0	0.39
4th. QUARTER		85	0	0	0.697	3.888	0.044	0.046	1.822	1.222	16	0	0	0.012	0.037
Late Rptd. (Current Year)															
YEAR 1960	Total	307	0	0	2.328	9.198	0.034	0.084	1.822	1.222	44	0	0	0.377	0.93
	Qtly. Av.	52	0	0		—	—	—	—		11	0	0	—	
Late Rptd.															
1960 Revised	Total														
	Qtly. Av.														
BASE PERIOD															
	Total														
	Qtly. Av.														
1st. QUARTER		80	0	0	2.885	2.196	0.036	0.040	0.590	0.690	16	0	0	0.051	0.07
2nd. QUARTER		80	0	0	0.494	1.074	0.008	0.013	0.111	0.131	17	0	0	0.050	0.05
3rd. QUARTER		89	0	0	0.730	1.159	0.008	0.013	0.147	0.182	20	0	0	0.015	0.0
4th. QUARTER		60	0	0	0.761	1.043	0.013	0.017	0.245	0.268	27	0	0	0.106	1.11
Late Rptd. (Current Year)															
YEAR 1961	Total	209	0	0	5.040	6.482	0.016	0.021	0.590	0.590	80	0	0	0.222	1.20
	Qtly. Av.	77	0	0	—					—	20	0	0	—	
Late Rptd.															
1961 Revised	Total														
	Qtly. Av.														
BASE PERIOD															
	Total														
	Qtly. Av.														

SP-18 (3-58)

ETY AND HEALTH PHYSICS QUARTERLY DATA

…ING			FINANCE AND MATERIALS DIVISION									GENERAL FINANCE AND MATERIALS DIVISION									OPERATIONS ANALYSIS DIVISION									PROCESS ENGINEERING DIVISION									
. Exp . Qtr . Per . it. (rem)	Max. Qtrly Exp (rem)		No. Pers. Monit.	No. Exp > MPL		Total Exp (rem)		Av. Exp Per Qtr Per Per. Monit. (rem)		Max. Qtrly Exp (rem)		No. Pers. Monit.	No. Exp > MPL		Total Exp (rem)		Av. Exp Per Qtr Per Per. Monit. (rem)		Max. Qtrly Exp (rem)		No. Pers. Monit.	No. Exp > MPL		Total Exp (rem)		Av. Exp Per Qtr Per Per. Monit. (rem)		Max. Qtrly Exp (rem)		No. Pers. Monit.	No. Exp > MPL		Total Exp (rem)		Av. Exp Per Qtr Per Per. Monit. (rem)		Max. Qtrly Exp (rem)		
β+γ	γ	β+γ		γ	β+γ	γ	β+γ	γ	β+γ	γ	β+γ		γ	β+γ	γ	β+γ	γ	β+γ	γ	β+γ		γ	β+γ	γ	β+γ	γ	β+γ	γ	β+γ		γ	β+γ	γ	β+γ	γ	β+γ	γ	β+γ	
0.049	0.122	0.159	2	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	—	—	—	—	—	—	—	—	35	0	0	0.154	0.943	0.004	0.027	0.078	0.214	
0.030	0.100	0.100	2	0	0	0	0	0	0	0	0	0	—	—	—	—	—	—	—	—	0	—	—	—	—	—	—	—	—	32	0	0	0.380	1.802	0.012	0.056	0.089	2.875	
0.024	0	0.320	3	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	—	—	—	—	—	—	—	—	37	0	0	0.176	0.513	0.005	0.014	0.060	0.122	
0.002	0.012	0.037	4	0	0	0.150	0.150	0.038	0.038	0.150	0.150	1	0	0	0	0	0	0	0	0	0	—	—	—	—	—	—	—	—	36	0	0	1.527	1.748	0.042	0.049	0.131	0.176	
0.021	0.132	0.220	11	0	0	0.150	0.150	0.014	0.014	0.150	0.150	3	0	0	0	0	0	0	0	0	0	—	—	—	—	—	—	—	—	140	0	0	2.237	5.026	0.016	0.036	0.131	0.214	
—	—	—	2.8	0	0	—				—	—	0.75	0	0	—				—	—	—	—	—	—	—	—	—	—	—	35	0	0				—	—		
0.045	0.122	0.042	1	0	0	0	0	0	0	0	0	0	—	—							0	—	—	—						35	0	0	1.376	1.986	0.037	0.017	0.185	0.222	
0.003	0.050	0.050	1	0	0	0	0	0	0	0	0	0	([illegible])								0	—	—							SEE PROD. DIV.									
0.003	0.015	0.035	1	0	0	0	0	0	0	0	0	11	0	0	0	0	0	0	0	0	0	—																	
0.041	0.089	0.932	1	0	0	0	0	0	0	0	0	11	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	—	—	—	—	—	—	—	—	—	[illegible]
0.016	0.089	0.932	4	0	0	0	0	0	0	0	0	22	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0										[illegible]
—	—	—	1	0	0	—	—	—	—	—	—																												

OAK RIDGE GASEOUS DIFFUSION PLANT

	Number Persons Monitored	Number Exposures Above MPL*			Total Exposure (rem)		Average Exposure Per Quarter Per Person Monitored (rem)		Maximum Quarterly Exposure (rem)	
		γ	β+γ	Tot. No.	γ	β+γ	γ	β+γ	γ	β+γ
	517	0	0	0	15,850	81,126	0.031	0.157	1.532	3.495
(982)	534	0	0	0	22,194	96,613	0.042	0.181	0.982	3.308
	939	0	0	0	27,709	78,159	0.030	0.083	1.433	3.391
	962	0	0	0	36,738	78,058	0.038	0.081	1.801	3.094
Figures in parentheses were reported [illegible] 3-29-61										
(3,400)	2,952	0	0	0	102,491	333,956	0.036 (0.030)	0.113 (0.098)	1.532	3.495
(850)	738	0	0	0	—	—	—	—	—	—
	BASE PERIOD:									
	1,137	0	0	0	28,155	83,201	0.025	0.073	0.778	3.689
	840	0	0	0	17,753	85,452	0.021	0.102	0.781	6.184
	706	0	0	0	11,444	87,868	0.016	0.124	0.700	5.801
	743	0	0	0	6,234	54,038	0.008	0.073	0.988	5.809
	3,426	0	0	0	63,586	310,559	0.019	0.091	0.988	6.184
	857	0	0	0	—	—	—	—	—	—
	BASE PERIOD:									

* MPL: Maximum Permissible Limit
γ (Critical Organ) = 3 rem
β+γ (Skin) = 6 rem in 1960; 10 rem in 1961

PERSONNEL MONITORING

FILM BADGE DATA

1960 and 1961

CALENDAR YEAR		TECHNICAL DIVISION					CHEMICAL DIVISION					PRODUCTION DIVISION					MAINTENANCE DIVISION					INDUSTRIAL RELATIONS DIVISION				
		Number Persons Monitored	Number Exposures Above PAL	Maximum Qtrly Exposure (rem)	Gamma-Effective Dose (rem) Total	Gamma-Effective Dose (rem) Av. Per Person	Number Persons Monitored	Number Exposures Above PAL	Maximum Qtrly Exposure (rem)	Gamma-Effective Dose (rem) Total	Gamma-Effective Dose (rem) Av. Per Person	Number Persons Monitored	Number Exposures Above PAL	Maximum Qtrly Exposure (rem)	Gamma-Effective Dose (rem) Total	Gamma-Effective Dose (rem) Av. Per Person	Number Persons Monitored	Number Exposures Above PAL	Maximum Qtrly Exposure (rem)	Gamma-Effective Dose (rem) Total	Gamma-Effective Dose (rem) Av. Per Person	Number Persons Monitored	Number Exposures Above PAL	Maximum Qtrly Exposure (rem)	Gamma-Effective Dose (rem) Total	Gamma-Effective Dose (rem) Av. Per Person
1st. QUARTER		18	0	0.14	0.761	0.042	136	0	2.52	24.533	0.180	0	0	0	0	—	300	0	1.23	21.422	0.071	19	0	0.60	0.954	0.050
2nd. QUARTER		21	0	0.15	0.921	0.044	134	0	2.02	33.140	0.247	6	0	0.11	0.281	0.047	311	0	1.[illegible]	33.235	0.075	21	0	0.33	0.570	0.027
3rd. QUARTER																										
4th. QUARTER																										
Late Rptd. (Current Year)																										
YEAR 1960	Total																									
	Qtly. Av.																									
Late Rptd.																										
1960 Revised	Total																									
	Qtly. Av.																									
BASE PERIOD		BASE PERIOD:																								
	Total																									
	Qtly. Av.																									
1st. QUARTER																										
2nd. QUARTER																										
3rd. QUARTER																										
4th. QUARTER																										
Late Rptd. (Current Year)																										
YEAR 19	Total																									
	Qtly. Av.																									
Late Rptd.																										
19 Revised	Total																									
	Qtly. Av.																									
BASE PERIOD		BASE PERIOD:																								
	Total																									
	Qtly. Av.																									

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SAFE. . AND HEALTH PHYSICS QUARTERLY DATA

PLANT ENGINEERING DIVISION					PROCESS ENGINEERING DIVISION					FINANCE AND MATERIALS DIVISION					GENERAL FINANCE AND MATERIALS DIVISION					
Number Persons Monitored	Number Exposures Above PAL	Maximum Qtrly Exposure (rem)	Gamma-Effective Dose (rem)		Number Persons Monitored	Number Exposures Above PAL	Maximum Qtrly Exposure (rem)	Gamma-Effective Dose (rem)		Number Persons Monitored	Number Exposures Above PAL	Maximum Qtrly Exposure (rem)	Gamma-Effective Dose (rem)		Number Persons Monitored	Number Exposures Above PAL	Maximum Qtrly Exposure (rem)	Gamma-Effective Dose (rem)		Number
			Total	Av. Per Person				Total	Av. Per Person				Total	Av. Per Person				Total	Av. Per Person	
6	0	0.15	0.270	0.045	35	0	0.17	0.549	0.016	2	0	0	0	0	1	0	0	0	—	
7	0	0.10	0.166	0.024	32	0	0.17	1.091	0.034	2	0	0	0	0	0	0	0	0	0	

OPERATIONS ANALYSIS DIVISION							OAK RIDGE GASEOUS DIFFUSION PLANT				
Persons Monitored	Number Exposures Above PAL	Maximum Qtrly Exposure (rem)	Gamma-Effective Dose (rem)				NUMBER PERSONS MONITORED	NUMBER EXPOSURES ABOVE PAL*	MAXIMUM QUARTERLY EXPOSURE (REM)	GAMMA-EFFECTIVE DOSE (REM)	
			Total	Av. Per Person						TOTAL	AVERAGE PER PERSON MONITORED
0	0	0	0	—			517	0	2.52	48.488	0.094
0	0	0	0	—			534	0	2.02	59.404	0.111
							BASE PERIOD:				
							BASE PERIOD:				

*PAL = 3 rem per quarter

PERSONNEL MONITORING

FILM BADGE DATA

1958 and 1959

SAFE

CALENDAR YEAR		TECHNICAL DIVISION					CHEMICAL DIVISION					PRODUCTION DIVISION					MAINTENANCE DIVISION					INDUSTRIAL RELATIONS DIVISION					PLANT ENGI DIVISIO		
		Number Persons Monitored	Number Exposures Above PAL	Maximum Qtrly Exposure (rem)	Gamma-Effective Dose (rem) Total	Gamma-Effective Dose (rem) Av. Per Person	Number Persons Monitored	Number Exposures Above PAL	Maximum Qtrly Exposure (rem)	Gamma-Effective Dose (rem) Total	Gamma-Effective Dose (rem) Av. Per Person	Number Persons Monitored	Number Exposures Above PAL	Maximum Qtrly Exposure (rem)	Gamma-Effective Dose (rem) Total	Gamma-Effective Dose (rem) Av. Per Person	Number Persons Monitored	Number Exposures Above PAL	Maximum Qtrly Exposure (rem)	Gamma-Effective Dose (rem) Total	Gamma-Effective Dose (rem) Av. Per Person	Number Persons Monitored	Number Exposures Above PAL	Maximum Qtrly Exposure (rem)	Gamma-Effective Dose (rem) Total	Gamma-Effective Dose (rem) Av. Per Person	Number Persons Monitored	Number Exposures Above PAL	Maximum Qtrly Exposure (rem)
1st. QUARTER																													
2nd. QUARTER																													
3rd. QUARTER																													
4th. QUARTER																													
Late Rptd. (Current Year)																													
YEAR 1958	Total																												
	Qtly. Av.																												
Late Rptd.																													
1958 Revised	Total																												
	Qtly. Av.																												
BASE PERIOD		BASE PERIOD:																											
	Total																												
	Qtly. Av.																												
1st. QUARTER		23	0	0.090	0.200	0.009	145	0	1.61	22.508	0.155	5	0	0	0	0	359	0	0.575	17.2[illegible]	0.048	21	0		2.175	0.104	2	0	0.025
2nd. QUARTER		22	0	0.143	0.523	0.024	140	0	1.083	23.453	0.168	14	0	0.120	0.360	0.026	356	0	1.600	22.4[illegible]	0.063	23	0	0.330	1.325	0.058	4	0	0.075
3rd. QUARTER		49	0	0.116	1.198	0.035	148	0	1.517	38.054	0.257	71	0	0.180	4.014	0.057	337	0	1.227	35.6	0.074	45	0	0.745	4.506	0.100	7	0	0.116
4th. QUARTER		33	0	0.234	1.708	0.052	144	0	2.904	39.764	0.276	67	0	0.100	0.811	0.012	314	0	1.082	28.9	0.092	33	0	0.239	1.094	0.033	10	0	0.323
Late Rptd. (Current Year)																													
YEAR 1959	Total	127	0	0.334	4.129	0.033	577	0	2.904	123.779	0.215	157	0	0.180	5.185	0.033	1,366	0	1.600	93.7	0.069	122	0	0.745	9.100	0.075	23	0	0.323
	Qtly. Av.	32	0	–	–	–	144	0	–	–	–	39	0	–	–	–	342	0	–	–	–	31	0	–	–	–	5.8	0	–
Late Rptd.																													
1959 Revised	Total																												
	Qtly. Av.																												
BASE PERIOD		BASE PERIOD:																											
	Total																												
	Qtly. Av.																												

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/ AND HEALTH PHYSICS QUARTERLY DATA

...NG		PROCESS ENGINEERING DIVISION					FINANCE AND MATERIALS DIVISION					GENERAL FINANCE AND MATERIALS DIVISION					OPN ANALYSIS		
...amma-...ective ...ose (rem)					Gamma-Effective Dose (rem)					Gamma-Effective Dose (rem)					Gamma-Effective Dose (rem)				
...l	Av. Per Person	Number Persons Monitored	Number Exposures Above PAL	Maximum Qtrly Exposure (rem)	Total	Av. Per Person	Number Persons Monitored	Number Exposures Above PAL	Maximum Qtrly Exposure (rem)	Total	Av. Per Person	Number Persons Monitored	Number Exposures Above PAL	Maximum Qtrly Exposure (rem)	Total	Av. Per Person			
...25	0.013	36	0	0.206	0.533	0.015	2	0	0	0	0	1	0	0	0	0			
...75	0.019	37	0	0.210	1.700	0.046	2	0	0	0	0	1	0	0.110	0.110	0.110			
...16	0.017	35	0	0.258	1.779	0.051	2	0	0	0	0	1	0	0.070	0.070	0.070			
...16	0.092	37	0	0.148	0.837	0.023	1	0	0	0	0	0	0	0	0	0	1	0	0
												1200 Dr.							
...32	0.049	145	0	0.258	4.849	0.033	7	0	0	0	0	3	0	0.110	0.180	0.060	1	0	0
	-	36	0	-	-	-	1.8	0	-	-		0.75	0	-	-	-	0.25	0	

OAK RIDGE GASEOUS DIFFUSION PLANT				
NUMBER PERSONS MONITORED	NUMBER EXPOSURES ABOVE PAL *	MAXIMUM QUARTERLY EXPOSURE (REM)	GAMMA-EFFECTIVE DOSE (REM)	
			TOTAL	AVERAGE PER PERSON MONITORED
578	1	3.65	45.221	0.078
2,422	1	3.65	143.489	—
606	0.25	—	—	0.059
BASE PERIOD: 1955 – 1958				
-	2	4.01	-	-
-	0.13	—	-	-
594	0	1.61	42.665	0.072
599	0	1.60	50.010	0.083
695	0	1.52	75.318	0.108
640	0	2.90	74.082	0.116
2,528	0	2.90	242.075	0.096
632	0	—	—	—
BASE PERIOD: 1955 – 1959				
—	2	4.01	-	-
—	0.10	—	-	-

* PAL = 3 rem per QTR

MATERIAL RELEASES

1962 and 1963

CALENDAR YEAR		MAINTENANCE DIVISION			PRODUCTION DIVISION			CHEMICAL DIVISION			TECHNICAL DIVISION					
		Toxic or Corrosive	Radio-active	Miscel-laneous	Toxic or Corrosive	Radio-active	Miscel-laneous	Toxic or Corrosive	Radio-active	Miscel-laneous	Toxic or Corrosive	Radio-active	Miscel-laneous			
1st. QUARTER		0	0	0	1	0	0	0	1	0	0	1	0			
2nd. QUARTER		0	0	0	2	2	0	To Rad. Div.			0	0	0			
3rd. QUARTER		0	0	0	1	1	0				1	0	0			
4th. QUARTER		0	0	0	1	1	0				0	0	0			
Late Rptd. (Current Year)												+1				
YEAR 1962	Total	0	0	0	5	5	0				1	2	0			
	Qtly. Av.															
Late Rptd.																
1962 Revised	Total															
	Qtly. Av.															
BASE PERIOD		BASE PERIOD:														
	Total															
	Qtly. Av.															
1st. QUARTER		0	0	0	0	1	0				0	1	0			
2nd. QUARTER		0	0	0	0	2	0				0	0	0			
3rd. QUARTER		0	0	0	0	1	0				0	0	0			
4th. QUARTER		0	0	0	1	3	0				0	0	0			
Late Rptd. (Current Year)												+1				
YEAR 1963	Total	0	0	0	1	7	0				0	2	0			
	Qtly. Av.															
Late Rptd.																
1963 Revised	Total															
	Qtly. Av.															
BASE PERIOD		BASE PERIOD:														
	Total															
	Qtly. Av.															

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RLY DATA

OAK RIDGE GASEOUS DIFFUSION PLANT		
Toxic or Corrosive	Radioactive	Miscellaneous
1	2	0
2	2	0
2	1	0
1	1	0
	1	
6	7	0
1.5	1.75	0
6	7	0
BASE PERIOD: 1958-1962		
63	92	4
3.2	4.6	0.2
0	2	0
0	2	0
0	1	0
1	3	0
	+1	
1	9	0
0.25	2.25	0
BASE PERIOD: 1959-1963		
43	86	3
2.2	4.3	0.2

MATERIAL RELEASES

1960 and 1961

SAFE

CALENDAR YEAR		MAINTENANCE DIVISION			PRODUCTION DIVISION			CHEMICAL DIVISION			TECHNICAL DIVISION			FINANCE AND MATERIALS DIVISION			PROCESS ENGINEERING DIVISION	
		Toxic or Corrosive	Radioactive	Miscellaneous	Toxic or Corrosive	Radioactive	Miscellaneous	Toxic or Corrosive	Radioactive	Miscellaneous	Toxic or Corrosive	Radioactive	Miscellaneous	Toxic or Corrosive	Radioactive	Miscellaneous	Toxic or Corrosive	Radioactive
1st. QUARTER		0	0	0	1	2	0	3	3	0	0	0	0	0	0	0	0	1
2nd. QUARTER		0	0	0	2	3	0	1	4	0	1	0	0	0	0	0	0	0
3rd. QUARTER		0	0	0	2	6	0	4	4	0	0	0	0	0	0	0	0	10
4th. QUARTER		0	0	0	0	5	0	0	1	0	0	0	0	0	0	0	0	0
Late Rptd. (Current Year)									2									
YEAR 1960	Total	0	0	0	5	16	0	8	14	0	1	0	0	0	0	0	0	1
	Qtly. Av.	0	0	0	1.3	4	0	2	3.5	0	0.25	0	0	0	0	0	0	0.25
Late Rptd.																		
1960 Revised	Total	0	0	0	5	16	0	8	14	0	1	0	0	0	0	0	0	1
	Qtly. Av.																	
BASE PERIOD		BASE PERIOD: 1956–1960			Excluding Former Proc. Eng. Div. Rptd												Proc. Eng. Div. Rptd	
	Total	0	5	1	14	64	3	61	34	2	4	8	1	1	0	0	—	
	Qtly. Av.	0	1	0.2	2.8	13	0.4	12	6.8	0.4	0.8	1.6	0.2	0.2	0	0	—	
1st. QUARTER		0	0	0	0	4	0	1	1	1	0	0	0	0	0	0	—	
2nd. QUARTER		0	0	0	0	5	0	1	0	0	0	1	0	0	0	0	—	
3rd. QUARTER		0	0	0	0	3	0	0	2	0	0	0	0	0	0	0	—	
4th. QUARTER		0	0	0	0	1	0	1	0	0	1	2	0	0	0	0	—	
Late Rptd. (Current Year)																		
YEAR 1961	Total	0	0	0	0	13	0	3	3	1	1	3	0	0	0	0	—	
	Qtly. Av.																	
Late Rptd.																		
1961 Revised	Total	0	0	0	0	13	0	3	3	1	1	3	0	0	0	0	—	
	Qtly. Av.																	
BASE PERIOD		BASE PERIOD: 1957–1961			Including Chem. Div.													
	Total	0	3	1	62	94	6	—	—	—	5	10	0	0	0	0	—	
	Qtly. Av.																	

SF-18 (5-58)

AND HEALTH PHYSICS QUARTERLY DATA

	Ind Rel Div.					OAK RIDGE GASEOUS DIFFUSION PLANT		
is cel- aneous	Toxic	R	misc			Toxic or Corrcsive	Radioactive	Miscellaneous
0	0	0	0			4	6	0
0	0	0	0			4	7	0
0	0	1	0			6	11	0
0	0	0	0			0	6	0
							2	
0	0	1	0			14	32	0
0	0	0.25	0			3.5	8	0
0	0	1	0			14	32	0
						BASE PERIOD: 1956–1960		
—	0	1	0			80	112	8
	0	0.2	0			Qtly Av. 4 [16]	5.6 [22]	0.4 [1.6]
—						1	5	1
—						1	6	0
—						0	5	0
—						2	3	0
	0	0	0			4	19	1
						1	4.75	0.25
—	0	0	0			4	19	1
						BASE PERIOD: 1957–1961		
—	0	1	0			67	108	7
						3.4	5.4	0.35

MATERIAL RELEASES

1958 and 1959

SAFE

CALENDAR YEAR		MAINTENANCE DIVISION			PRODUCTION DIVISION			CHEMICAL DIVISION			TECHNICAL DIVISION			FINANCE AND MATERIALS DIVISION			PROCESS ENGIN DIVISION	
		Toxic or Corro-sive	Radio-active	Miscel-laneous	Toxic or Corro-sive	Radio-active	Miscel-laneous	Toxic or Corro-sive	Radio-active	Miscel-laneous	Toxic or Corro-sive	Radio-active	Miscel-laneous	Toxic or Corro-sive	Radio-active	Miscel-laneous	Toxic or Corro-sive	Radio-active
1st. QUARTER		0	0	1	0	6	0	2	0	0	0	0	0	0	0	0	0	0
2nd. QUARTER		0	0	0	0	3	0	3	0	0	0	1	0	0	0	0	0	0
3rd. QUARTER		0	0	0	0	1	0	7	1	0	1	3	0	0	0	0	1	0
4th. QUARTER		0	0	0	1	0	0	5	0	0	1	0	0	0	0	0	0	0
Late Rptd. (Current Year)																		
YEAR 1958	Total	0	0	1	1	10	0	17	1	0	2	4	0	0	0	0	1	0
	Qtly. Av.	0	0	0.25	0.25	2.5	0	4.3	0.25	0	0.5	1	0	0	0	0	0.25	0
Late Rptd.																		
1958 Revised	Total	0	0	1	1	10	0	17	1	0	2	4	0	0	0	0	1	0
	Qtly. Av.	0	0	0.25	0.25	2.5	0	4.3	0.25	0	0.5	1	0	0	0	0	0.25	0
BASE PERIOD		BASE PERIOD: 1954–1958																
	Total	1	17	1	6	51	1	52	16	3	5	15	1	1	0	0		
	Qtly. Av.	0.05	0.85	0.05	0.30	2.6	0.05	2.6	0.80	0.15	0.25	0.75	0.05	0.05	0	0		
1st. QUARTER		0	0	0	0	5	0	4	2	0	1	1	0	0	0	0	0	0
2nd. QUARTER		0	0	0	0	1	1	5	0	0	0	0	0	0	0	0	1	2
3rd. QUARTER		0	0	0	1	2	1	3	2	0	0	1	0	0	0	0	0	0
4th. QUARTER		0	0	0	0	1	0	2	2	0	0	0	0	0	0	0	0	0
Late Rptd. (Current Year)								1										
YEAR 1959	Total	0	0	0	1	9	2	15	6	0	1	2	0	0	0	0	1	2
	Qtly. Av.	0	0	0	0.25	2.3	0.5	3.8	1.5	0	0.25	0.5	0	0	0	0	0.25	0.50
Late Rptd.																		
1959 Revised	Total	0	0	0	1	9	2	15	6	0	1	2	0	0	0	0	1	2
	Qtly. Av.	0	0	0	0.25	2.3	0.5	3.8	1.5	0	0.25	0.5	0	0	0	0	0.25	0.50
BASE PERIOD		BASE PERIOD: 1955–1959																
	Total	1	14	1	7	52	3	64	22	3	4	10	1	1	0	0	2	8
	Qtly. Av.	0.05	0.70	0.05	0.35	2.6	0.15	3.2	1.1	0.15	0.30	0.50	0.05	0.05	0	0	0.10	0.67

*(1957-1959)

SP-18 (3-58)

TY AND HEALTH PHYSICS QUARTERLY DATA

RING				OAK RIDGE GASEOUS DIFFUSION PLANT		
Miscel-laneous				Toxic or Corrosive	Radioactive	Miscellaneous
0				2	6	1
0				3	4	0
0				9	5	0
0				7	0	0
0				21	15	1
0				5.3	3.8	0.25
0				21	15	1
0				5.3	3.8	0.25
				BASE PERIOD: 1954—1958		
				66	105	6
				3.3	5.3	0.3
0				5	8	0
0				6	3	1
0				4	5	1
0				2	3	0
				1		
0				18	19	2
0				4.5	4.8	0.5
0				18	19	2
0				4.5	4.8	0.5
				BASE PERIOD: 1955—1959		
0				81	106	8
0				4.1	5.3	0.4