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(5)

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

#4

(This section to be completed by subcontractor requesting document)

T. Bennett / 1034A Document Center

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

Date of request 7/17/95 Expected receipt of document 8/11/95

Document number none Date of document

Title and author (if document is unnumbered)
Airborne Contamination - General Maintenance Division
1951

(This section to be completed by Document Center)

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Date submitted to CICO 7/19/95 7/31/95

Date received from CICO 7/31/95

Date submitted to ChemRisk/Shonka and DOE 8/7/95

(This section to be completed by ChemRisk/Shonka Research Associates, Inc.)

Date document received

Signature

#2246

AIR CONTAMINATION
Gen. Maint. Div.

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

for A.S. Quist 8/2/95
Technical Information Officer Date
Oak Ridge K-25 Site

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

ROUTINE AIRBORNE CONTAMINATION REPORT

BUILDING K-1401 ROOM OR SECTION [illegible] PERIOD ENDING 12-21-51

INSTRUMENT TYPE Tornado SURVEYOR [illegible] SUPERVISOR [illegible]

Record one weeks samples. In the column headed "Location and Conditions" give the approximate distance of the sampler from the source of air contamination and whether respiratory protective equipment was used by personnel in the immediate work area during the sampling period.

Sample No.	Date	Time	Length of Sample (min.)	Flow (cfm)	Location and Conditions	(✓) Alpha ( ) Beta c/m/ft³	
M-66	11-28		480	3	EAST WALL IN PIT NORMAL	.003	
M-67	11-29		480	3	" " " " "	.001	
M-68	11-30		480	3	" " " " "	.003	
M-69	12-3		480	3	" " " " "	.001	
M-70	12-4		480	3	" " " " "	.002	
M-71	12-5		480	3	" " " " "	.004	
M-72	12-6		480	3	" " " " "	.001	
M-73	12-7		480	3	" " " " "	.002	
M-74	12-10		480	3	" " " " "	.000	
M-75	12-11		480	3	" " " " "	.001	
M-76	12-12		480	3	" " " " "	.0007	Sec.
M-77	12-13		480	3	" " " " "	.0007	
M-78	12-14		480	3	" " " " "	.004	Highlight
M-79	12-17		480	3	" " " " "	.001	
M-80	12-18		480	3	" " " " "	.003	
M-81	12-19		480	3	" " " " "	.000	
M-82	12-20		480	3	" " " " "	.0007	
M-83	12-21		480	3	" " " " "	.009	

Approved [signature]
Operating Supervisor

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Date _____

ROUTINE AIRBORNE CONTAMINATION REPORT

BUILDING K-1401 ROOM OR SECTION AS STATED BELOW PERIOD ~~WEEK~~ ENDING 11-27-51

INSTRUMENT TYPE TORNADO SURVEYOR G.E. McDANIEL SUPERVISOR G.A. JAMIESON

Record one weeks samples. In the column headed "Location and Conditions" give the approximate distance of the sampler from the source of air contamination and whether respiratory protective equipment was used by personnel in the immediate work area during the sampling period.

Sample No.	Date	Time	Length of Sample (min.)	Flow (cfm)	Location and Conditions	(✓) Alpha ( ) Beta c/m/ft³)
M-48	10-25		480	3	SEAL SHOP EAST WALL NORMAL	.003
M-49	10-26		480	3	" " " " "	.003
M-50	11-5		480	3	" " " " "	.002
M-51	11-6		480	3	" " " " "	.001
M-52	11-7		480	3	" " " " "	.003
M-53	11-8		480	3	" " " " "	.004
M-54	11-9		480	3	" " " " "	.013
M-55	11-12		480	3	" " " " "	.006
M-56	11-13		480	3	" " " " "	.004
M-57	11-14		480	3	AXIAL COMP. SHOP EAST WALL PIT.	.000
M-58	11-15		480	3	" " " " " "	.000
M-59	11-16		480	3	" " " " " "	.0007
M-60	11-19		480	3	" " " " " "	.007
M-61	11-20		480	3	" " " " " "	.002
M-62	11-21		480	3	" " " " " "	.0007
M-63	11-23		480	3	" " " " " "	.0007
M-64	11-26		480	3	" " " " " "	.0007
M-65	11-27		480	3	" " " " " "	.000

RECEIVED DEC 7 1951

Approved G.A. Jamieson
Operating Supervisor

Date 12/7/51

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2

ROUTINE AIRBORNE CONTAMINATION REPORT

BUILDING K-1401 ROOM OR SECTION Seal Shop [redacted] PERIOD ENDING 10-24-51

INSTRUMENT TYPE Tornado SURVEYOR [illegible] SUPERVISOR [illegible]

Record one weeks samples. In the column headed "Location and Conditions" give the approximate distance of the sampler from the source of air contamination and whether respiratory protective equipment was used by personnel in the immediate work area during the sampling period.

Sample No.	Date	Time	Length of Sample (min.)	Flow (cfm)	Location and Conditions	(✓) Alpha ( ) Beta c/m/ft3
M-30	10-1		480	3	East wall Urinal	.003
M-31	10-2		480	3	" " "	.004
M-32	10-3		480	3	" " "	.006
M-33	10-4		480	3	" " "	.006
M-34	10-5		480	3	" " "	.002
M-35	10-8		480	3	" " "	.006
M-36	10-9		480	3	" " "	.000
M-37	10-10		480	3	" " "	.002
M-38	10-11		480	3	" " "	.003
M-39	10-12		480	3	" " "	.003
M-40	10-15		480	3	" " "	.0007
M-41	10-16		480	3	" " "	.003
M-42	10-17		480	3	" " "	.002
M-43	10-18		480	3	" " "	.003
M-44	10-19		480	3	" " "	.001
M-45	10-22		480	3	" " "	.003
M-46	10-23		480	3	" " "	.005
M-47	10-24		480	3	" " "	.006

Approved [illegible]
Operating Supervisor

Date 11-7-51

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ROUTINE AIRBORNE CONTAMINATION REPORT PERIOD

BUILDING K-1401 ROOM OR SECTION [illegible] ENDING 9-4-51

INSTRUMENT TYPE Tornado SURVEYOR [illegible] SUPERVISOR [illegible]

Record one weeks samples. In the column headed "Location and Conditions" give the approximate distance of the sampler from the source of air contamination and whether respiratory protective equipment was used by personnel in the immediate work area during the sampling period.

Sample No.	Date	Time	Length of Sample (min.)	Flow (cfm)	Location and Conditions	(✓) Alpha ( ) Beta (c/m/ft³)
L-88	7-25		480	3	East wall Normal	.010
L-89	7-26		480	3	" " "	.019
L-90	7-27		480	3	" " "	.006
L-91	7-30		480	3	" " "	.004
L-92	7-31		480	3	" " "	.013
L-93	8-1		480	3	" " "	.015
L-94	8-2		480	3	" " "	.011
L-95	8-3		480	3	" " "	.010
L-96	8-6		480	3	" " "	.004
L-97	8-7		480	3	" " "	.006
L-98	8-8		480	3	" " "	.006
L-99	8-9		480	3	" " "	.013
L-100	8-10		480	3	" " "	.004
M-1	8-20		480	3	" " "	.004
M-2	8-21		480	3	" " "	.006
M-3	8-22		480	3	" " "	.001
M-4	8-23		480	3	" " "	.005
M-5	8-24		480	3	" " "	.003
M-6	8-25		480	3	" " "	.003
M-7	8-28		480	3	" " "	.003
M-8	8-29		480	3	" " "	.003
M-9	8-30		480	3	" " "	.005
M-10	8-31		480	3	" " "	.001
M-11	9-4		480	3	" " "	.0005

RECEIVED SEP 11 1951

Approved [illegible] Operating Supervisor

Date 9/10/51

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4

ROUTINE AIRBORNE CONTAMINATION REPORT Period

BUILDING K-1401 ROOM OR SECTION Sealshop ~~WEEK~~ ENDING 9-28-51

INSTRUMENT TYPE Tornado SURVEYOR [illegible] SUPERVISOR [illegible]

Record one weeks samples. In the column headed "Location and Conditions" give the approximate distance of the sampler from the source of air contamination and whether respiratory protective equipment was used by personnel in the immediate work area during the sampling period.

Sample No.	Date	Time	Length of Sample (min.)	Flow (cfm)	Location and Conditions	(✓) Alpha ( ) Beta c/m/ft3)
M-12	9-5		480	3	East Wall, Normal	.003
M-13	9-6		480	3	" " "	.006
M-14	9-7		480	3	" " "	.006
M-15	9-10		480	3	" " "	.008
M-16	9-11		480	3	" " "	.002
M-17	9-12		480	3	" " "	.012
M-18	9-13		480	3	" " "	.006
M-19	9-14		480	3	" " "	.008
M-20	9-17		480	3	" " "	.007
M-21	9-18		480	3	" " "	.005
M-22	9-19		480	3	" " "	.011
M-23	9-20		480	3	" " "	.012
M-24	9-21		480	3	" " "	.007
M-25	9-24		480	3	" " "	.013
M-26	9-25		480	3	" " "	.004
M-27	9-26		480	3	" " "	.006
M-28	9-27		480	3	" " "	.004
M-29	9-28		480	3	" " "	.003

RECEIVED OCT 9 1951

Approved H. M. Matthews
Operating Supervisor

Date 10/5/51

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ROUTINE AIRBORNE CONTAMINATION REPORT

BUILDING K-1401 ROOM OR SECTION Seal Shop [redacted] PERIOD ENDING 7-24-51

INSTRUMENT TYPE Transcla. SURVEYOR [illegible] SUPERVISOR [illegible]

Record one weeks samples. In the column headed "Location and Conditions" give the approximate distance of the sampler from the source of air contamination and whether respiratory protective equipment was used by personnel in the immediate work area during the sampling period.

Sample No.	Date	Time	Length of Sample (min.)	Flow (cfm)	Location and Conditions	(✓) Alpha ( ) Beta (c/m/ft³)
L-76	7-9		480	3	East wall Normal	.008
L-77	7-10		480	3	" " "	.003
L-78	7-11		480	3	" " "	.006
L-79	7-12		480	3	" " "	.006
L-80	7-13		480	3	" " "	.005
L-81	7-16		480	3	" " "	.006
L-82	7-17		480	3	" " "	.001
L-83	7-18		480	3	" " "	.004
L-84	7-19		480	3	" " "	.006
L-85	7-20		480	3	" " "	.005
L-86	7-23		480	3	" " "	.003
L-87	7-24		480	3	" " "	.009

RECEIVED AUG 2 1951

Approved [illegible]
Operating Supervisor

Date 7/31/57

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ROUTINE AIRBORNE CONTAMINATION REPORT

BUILDING K-1401 ROOM OR SECTION Seal Shop ~~WEEK~~ PERIOD ENDING 7-6-51

INSTRUMENT TYPE Tornado SURVEYOR J. M. McDaniel SUPERVISOR [illegible]

Record one weeks samples. In the column headed "Location and Conditions" give the approximate distance of the sampler from the source of air contamination and whether respiratory protective equipment was used by personnel in the immediate work area during the sampling period.

Sample No.	Date	Time	Length of Sample (min.)	Flow (cfm)	Location and Conditions	(✓) Alpha ( ) Beta c/m/ft3
L-64	6-20		480	3	East wall normal	.006
L-65	6-21		480	3	" " "	.008
L-66	6-22		480	3	" " "	.004
L-67	6-25		480	3	" " "	.003
L-68	6-26		480	3	" " "	.005
L-69	6-27		480	3	" " "	.022
L-70	6-28		480	3	" " "	.009
L-71	6-29		480	3	" " "	.008
L-72	7-2		480	3	" " "	.022
L-73	7-3		480	3	" " "	.006
L-74	7-5		480	3	" " "	.010
L-75	7-6		480	3	" " "	.006
						.104

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Approved [signature]
Operating Supervisor

Date _____

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ROUTINE AIRBORNE CONTAMINATION REPORT

BUILDING K-1401 ROOM OR SECTION [illegible] ~~WEEK~~ PERIOD ENDING 6-19-51

INSTRUMENT TYPE Tornado SURVEYOR [illegible] SUPERVISOR [illegible]

Record one weeks samples. In the column headed "Location and Conditions" give the approximate distance of the sampler from the source of air contamination and whether respiratory protective equipment was used by personnel in the immediate work area during the sampling period.

Sample No.	Date	Time	Length of Sample (min.)	Flow (cfm)	Location and Conditions	(✓) Alpha ( ) Beta c/m/ft³
L-46	5-24		450	3	East wall. normal.	.009
L-47	5-25		450	3	" " "	.008
L-48	5-28		450	3	" " "	.049
L-49	5-29		450	3	" " "	.009
L-50	5-30		450	3	" " "	.008
L-51	6-1		450	3	" " "	.004
L-52	6-4		450	3	" " "	.003
L-53	6-5		450	3	" " "	.005
L-54	6-6		450	3	" " "	.006
L-55	6-7		450	3	" " "	.004
L-56	6-8		450	3	" " "	.002
L-57	6-11		450	3	" " "	.017
L-58	6-12		450	3	" " "	.006
L-59	6-13		450	3	" " "	.005
L-60	6-14		450	3	" " "	.004
L-61	6-15		450	3	" " "	.006
L-62	6-18		450	3	" " "	.005
L-63	6-19		450	3	" " "	.006

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Operating Supervisor

Date _____

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ROUTINE AIRBORNE CONTAMINATION REPORT

BUILDING K-1401 ROOM OR SECTION Leaching ~~WEEK~~ PERIOD ENDING 5-23-51

INSTRUMENT TYPE Tornado SURVEYOR J. T. McDonald SUPERVISOR G. G. Jamieson

Record one weeks samples. In the column headed "Location and Conditions" give the approximate distance of the sampler from the source of air contamination and whether respiratory protective equipment was used by personnel in the immediate work area during the sampling period.

Sample No.	Date	Time	Length of Sample (min.)	Flow (cfm)	Location and Conditions	(✓) Alpha ( ) Beta c/m/ft³
L-34	5-8		480	3	East Wall Normal	.001
L-35	5-9		480	3	" " "	.003
L-36	5-10		480	3	" " "	.010
L-37	5-11		480	3	" " "	.001
L-38	5-14		480	3	" " "	.000
L-39	5-15		480	3	" " "	.0007
L-40	5-16		480	3	" " "	.002
L-41	5-17		480	3	" " "	.002
L-42	5-18		480	3	" " "	.005
L-43	5-21		480	3	" " "	.004
L-44	5-22		480	3	" " "	.008
L-45	5-23		480	3	" " "	.010

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Approved N. M. Nathan
Operating Supervisor

Date 5/31/51

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ROUTINE AIRBORNE CONTAMINATION REPORT

BUILDING K-1401 ROOM OR SECTION Seal Shop. ~~WEEK~~ PERIOD ENDING 5-7-51

INSTRUMENT TYPE Tornado SURVEYOR [illegible] SUPERVISOR [illegible]

Record one weeks samples. In the column headed "Location and Conditions" give the approximate distance of the sampler from the source of air contamination and whether respiratory protective equipment was used by personnel in the immediate work area during the sampling period.

Sample No.	Date	Time	Length of Sample (min.)	Flow (cfm)	Location and Conditions	(✓) Alpha ( ) Beta c/m/ft³)
L-22	4-20		480	3	Eastowall. normal.	.002
L-23	4-23		480	3	" " "	.0007
L-24	4-24		480	3	" " "	.004
L-25	4-25		480	3	" " "	.004
L-26	4-26		480	3	" " "	.013
L-27	4-27		480	3	" " "	.003
L-28	4-30		480	3	" " "	.011
L-29	5-1		480	3	" " "	.008
L-30	5-2		480	3	" " "	.006
L-31	5-3		480	3	" " "	.015
L-32	5-4		480	3	" " "	.006
L-33	5-7		480	3	" " "	.004

RECEIVED MAY 22 1951

Approved [illegible]
Operating Supervisor

Date 5/21/51

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ROUTINE AIRBORNE CONTAMINATION REPORT

BUILDING K-1401 ROOM OR SECTION SEAL SHOP PERIOD ENDING 4-19-51

INSTRUMENT TYPE TORNADO SURVEYOR J. F. McDonald SUPERVISOR J. A. Jamieson

Record one weeks samples. In the column headed "Location and Conditions" give the approximate distance of the sampler from the source of air contamination and whether respiratory protective equipment was used by personnel in the immediate work area during the sampling period.

Sample No.	Date	Time	Length of Sample (min.)	Flow (cfm)	Location and Conditions	(✓) Alpha ( ) Beta (c/m/ft³)
L-10	4-4		480	3	East wall Normal	.003
L-11	4-5		480	3	" " "	.002
L-12	4-6		480	3	" " "	.003
L-13	4-9		480	3	" " "	.008
L-14	4-10		480	3	" " "	.002
L-15	4-11		480	3	" " "	.013
L-16	4-12		480	3	" " "	.005
L-17	4-13		480	3	" " "	.010
L-18	4-16		480	3	" " "	.0007
L-19	4-17		480	3	" " "	.008
L-20	4-18		480	3	" " "	.005
L-21	4-19		480	3	" " "	.003

Approved W. M. Mathieu
Operating Supervisor

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Date 5/3/51

ROUTINE AIRBORNE CONTAMINATION REPORT

BUILDING K-1401 ROOM OR SECTION Seal Shop ~~WEEK~~ Period ENDING 4-3-51

INSTRUMENT TYPE Tornado. SURVEYOR G. F. McDaniel SUPERVISOR [illegible] Jamieson,

Record one weeks samples. In the column headed "Location and Conditions" give the approximate distance of the sampler from the source of air contamination and whether respiratory protective equipment was used by personnel in the immediate work area during the sampling period.

Sample No.	Date	Time	Length of Sample (min.)	Flow (cfm)	Location and Conditions	(✓) Alpha ( ) Beta (c/m/ft3)
K-98	3-19		480	3	East wall Normal.	.003
K-99	3-20		480	3	" " "	.002
K-100	3-21		480	3	" " "	.001
L-1	3-22		480	3	" " "	.001
L-2	3-23		480	3	" " "	.005
L-3	3-26		480	3	" " "	.008
L-4	3-27		480	3	" " "	.004
L-5	3-28		480	3	" " "	.0007
L-6	3-29		480	3	" " "	.0007
L-7	3-30		480	3	" " "	.008
L-8	4-2		480	3	" " "	.003
L-9	4-3		480	3	" " "	.010

RECEIVED APR 11 1951

Approved H. M. Matthews
Operating Supervisor

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Date 4-10-51

12

ROUTINE AIRBORNE CONTAMINATION REPORT

BUILDING K-1401 ROOM OR SECTION Seal Shop ~~WEEK~~ PERIOD ENDING 3-16-51

INSTRUMENT TYPE Tornado SURVEYOR G.F. McDaniel SUPERVISOR G.L. Jamieson

Record one weeks samples. In the column headed "Location and Conditions" give the approximate distance of the sampler from the source of air contamination and whether respiratory protective equipment was used by personnel in the immediate work area during the sampling period.

Sample No.	Date	Time	Length of Sample (min.)	Flow (cfm)	Location and Conditions	(✓) Alpha ( ) Beta (c/m/ft3)
K-86	3-1		480	3	East Wall Normal	.011
K-87	3-2		480	3	" " "	.005
K-88	3-5		480	3	" " "	.009
K-89	3-6		480	3	" " "	.006
K-90	3-7		480	3	" " "	.005
K-91	3-8		480	3	" " "	.003
K-92	3-9		480	3	" " "	.006
K-93	3-12		480	3	" " "	.004
K-94	3-13		480	3	" " "	.008
K-95	3-14		240	3	" " "	.005
K-26	3-15		300	3	" " "	.008
K-97	3-16		480	3	" " "	.007

RECEIVED MAR 27 1951 BWL

Approved H. M. Matthews
Operating Supervisor

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Date 3-26-51

ROUTINE AIRBORNE CONTAMINATION REPORT

BUILDING K-1401 ROOM OR SECTION Seal Shop. PERIOD ENDING 2-28-51

INSTRUMENT TYPE Tornado SURVEYOR [illegible] SUPERVISOR [illegible]

Record one weeks samples. In the column headed "Location and Conditions" give the approximate distance of the sampler from the source of air contamination and whether respiratory protective equipment was used by personnel in the immediate work area during the sampling period.

Sample No.	Date	Time	Length of Sample (min.)	Flow (cfm)	Location and Conditions	(✓) Alpha ( ) Beta (c/m/ft³)
K-68	2-5		480	3	East Wall. Normal.	.004
K-69	2-6		480	3	" " "	.001
K-70	2-7		480	3	" " "	.001
K-71	2-8		480	3	" " "	.005
K-72	2-9		480	3	" " "	.003
K-73	2-12		480	3	" " "	.001
K-74	2-13		480	3	" " "	.003
K-75	2-14		480	3	" " "	.005
K-76	2-15		480	3	" " "	.003
K-77	2-16		480	3	" " "	.003
K-78	2-19		480	3	" " "	.004
K-79	2-20		480	3	" " "	.001
K-80	2-21		480	3	" " "	.005
K-81	2-22		480	3	" " "	.001
K-82	2-23		480	3	" " "	.009
K-83	2-26		480	3	" " "	.006
K-84	2-27		480	3	" " "	.007
K-85	2-28		480	3	" " "	.017

RECEIVED MAR 6 1951

Approved [illegible]
Operating Supervisor

Date 3-5-51

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14

ROUTINE AIRBORNE CONTAMINATION REPORT PERIOD

BUILDING K-1401 ROOM OR SECTION Seal Shop ENDING 2-2-51

INSTRUMENT TYPE Tornado SURVEYOR [illegible] SUPERVISOR Jamieson

Record one weeks samples. In the column headed "Location and Conditions" give the approximate distance of the sampler from the source of air contamination and whether respiratory protective equipment was used by personnel in the immediate work area during the sampling period.

Sample No.	Date	Time	Length of Sample (min.)	Flow (cfm)	Location and Conditions	(✓) Alpha ( ) Beta c/m/ft³
K-56	1-18		480	3	East Wall Normal	.003
K-57	1-19		480	3	" " "	.002
K-58	1-22		480	3	" " "	.003
K-59	1-23		480	3	" " "	.0002
K-60	1-24		480	3	" " "	.002
K-61	1-25		480	3	" " "	.006
K-62	1-26		480	3	" " "	.006
K-63	1-29		480	3	" " "	.002
K-64	1-30		480	3	" " "	.0002
K-65	1-31		480	3	" " "	.003
K-66	2-1		480	3	" " "	.002
K-67	2-2		480	3	" " "	.003

RECEIVED FEB 14 1951

Approved H. M. Matthews
Operating Supervisor

Date 2/13/51

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ROUTINE AIRBORNE CONTAMINATION REPORT

BUILDING K-1401 ROOM OR SECTION Seal Shop ~~WEEK~~ PERIOD ENDING 1-17-51

INSTRUMENT TYPE Tornado SURVEYOR G.F. McDaniel SUPERVISOR G.L. Jamieson.

Record one weeks samples. In the column headed "Location and Conditions" give the approximate distance of the sampler from the source of air contamination and whether respiratory protective equipment was used by personnel in the immediate work area during the sampling period.

Sample No.	Date	Time	Length of Sample (min.)	Flow (cfm)	Location and Conditions	(✓) Alpha ( ) Beta c/m/ft3
K-44	1-2		480	3	East Wall Normal	.007
K-45	1-3		480	3	" " "	.004
K-46	1-4		480	3	" " "	.0007
K-47	1-5		480	3	" " "	.002
K-48	1-8		480	3	" " "	.006
K-49	1-9		480	3	" " "	.001
K-50	1-10		480	3	" " "	.0007
K-51	1-11		480	3	" " "	.008
K-52	1-12		480	3	" " "	.003
K-53	1-15		480	3	" " "	.004
K-54	1-16		480	3	" " "	.002
K-55	1-17		480	3	" " "	.002

RECEIVED JAN 23 1951

Approved H. M. Matthews
Operating Supervisor

Date 1-26-51

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