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#10

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Airborne Contamination - Chemical Division 1951

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Date request received 7/18/95

Date submitted to ADC 7/19/95

Date submitted to HSA Coordinator 7/18/95

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

Date received from CICO 7/31/95 8/3/95

Date submitted to ChemRisk/Shonka and DOE 8/9/95

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AIRBORNE CONTAMINATION  
Chemical Division

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

Ray W. Hallen A.S. Quist 8/2/65  
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.

AIRBORNE CONTAMINATION  
K-131 Recovery















































































AIRBORNE CONTAMINATION  
K-1131 Building

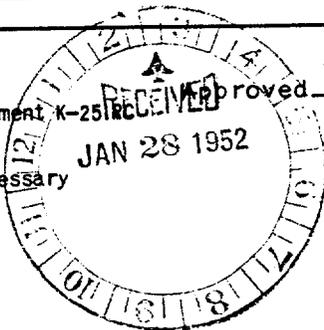
**ROUTINE AIRBORNE CONTAMINATION REPORT**

BUILDING 1131 ROOM OR SECTION Feed WEEK ENDING 12-30-51  
 INSTRUMENT TYPE \_\_\_\_\_ SURVEYOR \_\_\_\_\_ SUPERVISOR Powell

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

Sample No.	Date	Time	Length of Sample (min.)	Flow (cfm)	Location and conditions	( ) Alpha ( ) Beta (c/m/ft <sup>3</sup> )
02810	12-24	1530	1210	1	WFH	.2
11	12-24	0530	1210	1	Ash. Rec.	.02
12	12-25	0145	1440	1	" "	.05
13	12-25	0145	1440	1	WFH	.2
02908	12-26	0400	3160	1	" "	.4
09	12-26	0400	3160	1	Ash. Rec.	.1
30	12-28	0840	665	1	" "	.2
31	12-28	0840	665	1	WFH	.2
32	12-28	1945	1640	1	" "	1.6
33	12-28	1945	1640	1	Ash. Rec.	.06
34	12-29	2305	475	1	" "	.2
35	12-29	2305	475	1	WFH	.5
36	12-30	0700	785	1	" "	.1
37	12-30	0700	785	1	Ash. Rec.	.05
38	12-30	2000	1620	1	" "	.09
39	12-30	2000	1620	1	WFH	.3

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A. V. ...  
 Operating Supervisor  
 Date 1/9/51





ROUTINE AIRBORNE CONTAMINATION REPORT

BUILDING 1131 ROOM OR SECTION Feed WEEK ENDING 11-18-51  
70  
12-16-51  
 INSTRUMENT TYPE \_\_\_\_\_ SURVEYOR \_\_\_\_\_ SUPERVISOR Powell

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

Sample No.	Date	Time	Length of Sample (min.)	Flow (cfm)	Location and Conditions	( ) Alpha ( ) Beta (c/m/ft <sup>3</sup> )
02504	11-30	0900	850	1	Ash. Rec.	1.04
05	11-30	2305	300	1	" "	1.16
06	11-30	2305	300	1	UF4	1.1
07	12-1	0400	1140	1	" "	1.1
08	12-1	0400	1140	1	Ash. Rec.	1.04
09	12-1	2305	1440	1	" "	1.02
10	12-1	2305	1440	1	UF4	1.01
40	12-3	0600	1020	1	" "	1.06
41	12-3	0600	1040	1	Ash. Rec.	1.04
42	12-4	0620	1150	1	" "	1.5
43	12-4	0620	1150	1	UF4	1.09
44	12-4	2330	225	1	" "	1.1
45	12-4	2330	225	1	Ash. Rec.	1.1
73	12-5	1515	3085	1	" "	1.05
74	12-5	1515	2385	1	UF4	1.5
75	12-5	2315	1900	1	" "	1.3
96	12-7	0640	500	1	" "	1.08
97	12-7	0640	500	1	Ash. Rec.	1.1
98	12-7	1500	3330	1	" "	1.06
99	12-7	1500	3330	1	UF4	1.07
02635	12-10	0830	2925	1	" "	1.1
36	12-10	0830	2925	1	Ash. Rec.	1.1
65	12-12	0935	590	1	" "	1.1
66	12-12	0915	535	1	UF4	1.1
67	12-12	1930	610	1	" "	1.2
68	12-12	1930	610	1	Ash. Rec.	1.05
69	12-13	0540	168	1	" "	1.2
70	12-13	0540	168	1	UF4	1.4
71	12-13	0828	1320	1	" "	1.2
72	12-13	0828	1320	1	Ash. Rec.	1.08
02741	12-14	0920	175	1	" "	1.2
42	12-14	0830	185	1	UF4	1.37
43	12-15	0605	1285	1	" "	1.2
44	12-15	0900	180	1	Ash. Rec.	1.3

Sec. Health

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Approved A. Varlow  
 Operating Supervisor

Date 1/9/52  
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**ROUTINE AIRBORNE CONTAMINATION REPORT**

11-18-51  
70

BUILDING 1131 ROOM OR SECTION Feed WEEK ENDING 12-16-51  
 INSTRUMENT TYPE \_\_\_\_\_ SURVEYOR \_\_\_\_\_ SUPERVISOR Powell

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

Sample No.	Date	Time	Length of Sample (min.)	Flow (cfm)	Location and conditions	( ) Alpha ( ) Beta (c/m/ft <sup>3</sup> )
02380	11-17	0815	2925	1	Ash. Rec.	102
81	"	0810	2950	1	UF4	104
02403	11-19	0900	2760	1	"	104
04	11-19	0900	2760	1	Ash. Rec.	103
05	11-21	0700	1440	1	"	105
06	11-21	0700	1440	1	UF4	11
07	11-22	0700	1135	1	"	12
08	11-22	0700	1135	1	Ash. Rec.	106
50	11-23	0640	1310	1	"	12
51	11-23	0645	1275	1	UF4	109
52	11-24	0400	480	1	"	12
53	11-24	0430	450	1	Ash. Rec.	12
54	11-24	1200	1095	1	"	107
55	11-24	1200	1095	1	UF4	105
56	11-25	0615	1485	1	"	11
57	11-25	0620	1485	1	Ash. Rec.	103
70	11-26	0700	450	1	"	11
71	11-26	0700	450	1	UF4	12
72	11-26	1430	470	1	"	11
73	11-26	1430	450	1	Ash. Rec.	11
74	11-26	2220	520	1	"	108
75	11-26	2220	520	1	UF4	12
76	11-27	0700	300	1	"	108
77	11-27	1200	640	1	Ash. Rec.	11
78	11-27	1200	640	1	UF4	12
79	11-27	2240	945	1	"	11
80	11-27	2240	945	1	Ash. Rec.	103
81	11-28	1425	1290	1	"	107
82	11-28	1425	1290	1	UF4	105
83	11-29	1200	620	1	"	11
84	11-29	1200	620	1	Ash. Rec.	106
02501	11-29	2220	640	1	"	11
02	11-29	2220	640	1	UF4	103
03	11-30	0900	850	1	"	107

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Approved: A. Valan Operating Supervisor  
 Date: 1/9/52

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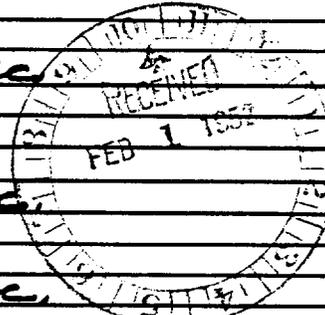


**ROUTINE AIRBORNE CONTAMINATION REPORT**

BUILDING 1131 ROOM OR SECTION Feed WEEK ENDING 1-27-52  
 INSTRUMENT TYPE \_\_\_\_\_ SURVEYOR \_\_\_\_\_ SUPERVISOR Varlan

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

Sample No.	Date	Time	Length of Sample (min.)	Flow (cfm)	Location and conditions	( ) Alpha ( ) Beta (c/m/ft <sup>3</sup> )
03234	1-18	0245	1375	1	U.F.	.13
35	1-17	1800	1200	1	Ash. Rec.	.09
36	1-18	1400	585	1	" "	.12
37	1-19	0050	550	1	U.F.	.13
38	1-19	0050	550	1	" "	.13
39	1-19	0145	550	1	Ash. Rec.	.1
40	1-19	1000	1480	1	" "	.1
41	1-19	1000	1480	1	U.F.	.09
42	1-20	1040	1480	1	" "	.08
69	1-20	1040	1820	1	Ash. Rec.	.13
70	1-21	0730	570	1	U.F.	.12
71	1-21	1700	825	1	" "	.13
72	1-21	1700	990	1	Ash. Rec.	.13
73	1-22	0930	450	1	" "	.15
74	1-22	0930	450	1	U.F.	.13
75	1-22	1700	830	1	" "	.1
76	1-22	1700	830	1	Ash. Rec.	.1
77	1-22	0650	160	1	U.F.	.15
03310	1-23	0100	600	1	" "	.13
11	1-23	0100	600	1	Ash. Rec.	.1
12	1-23	1100	330	1	" "	.1
13	1-23	1100	330	1	U.F.	.12
14	1-23	1630	450	1	" "	.1
15	1-23	1630	450	1	Ash. Rec.	.09
16	1-24	0001	1440	1	" "	.1
17	1-24	0001	1440	1	U.F.	.08
18	1-25	0001	540	1	" "	.13
19	1-25	0001	540	1	Ash. Rec.	.15
20	1-25	0900	1500	1	" "	.08
21	1-25	0900	800	1	U.F.	.1
22	1-25	2225	695	1	" "	.09
23	1-26	1000	705	1	Ash. Rec.	.09
24	1-26	2145	1225	1	" "	.09
25	1-26	1000	685	1	U.F.	.1



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Approved H. J. Culbert  
 Operating Supervisor  
 Date 1-31-52







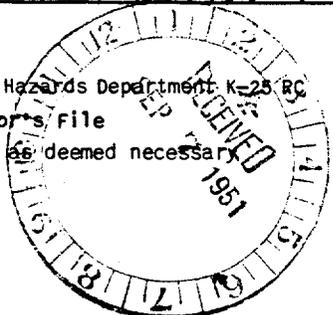
**ROUTINE AIRBORNE CONTAMINATION REPORT**

BUILDING 1131 ROOM OR SECTION Feed WEEK ENDING 9-2-51  
 INSTRUMENT TYPE \_\_\_\_\_ SURVEYOR \_\_\_\_\_ SUPERVISOR Powell

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

Sample No.	Date	Time	Length of Sample (min.)	Flow (cfm)	Location and conditions	( ) Alpha ( ) Beta (c/m/ft <sup>3</sup> )
01708	8-17	0220	550	1	Ash. Rec.	.2
09	"	"	"	1	UF4	.2
10	"	1330	1630	1	"	.2
11	8-18	0020	1915	1	Ash. Rec.	.1
12	"	"	"	1	UF4	.1
13	8-19	1500	540	1	"	.07
14	"	"	"	1	Ash. Rec.	.06
15	"	0730	450	1	"	.1
26	"	0735	43.5	1	UF4	.06
29	8-20	0015	960	1	"	.1
30	"	"	"	1	Ash. Rec.	.09
31	"	1500	1020	1	"	.2
32	"	"	"	1	UF4	.3
33	8-21	0800	420	1	"	.1
34	"	"	"	1	Ash. Rec.	.2
48	"	1500	1080	1	"	.4
49	"	"	"	1	UF4	.2
50	8-22	0900	360	1	"	.2
51	"	"	"	1	Ash. Rec.	.2
52	"	1500	1020	1	"	.2
53	"	"	"	1	UF4	.1
54	8-23	0800	420	1	"	.09
55	"	"	"	1	Ash. Rec.	.1
56	"	1500	1020	1	"	.1
57	"	"	"	1	UF4	.1
76	8-24	0300	"	1	"	.2
77	"	"	"	1	Ash. Rec.	.3
78	8-25	0800	450	1	UF4	.1
79	"	1530	4845	1	Ash. Rec.	.1
80	8-30	0830	1410	1	"	.04
81	8-29	0015	1435	1	UF4	.2
90	8-27	1915	1740	1	"	.1
91	8-28	0815	450	1	"	.1
92	8-25	0800	450	1	Ash. Rec.	.06

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Approved C. Powell  
 Operating Supervisor  
 Date 9-6-51

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**ROUTINE AIRBORNE CONTAMINATION REPORT**

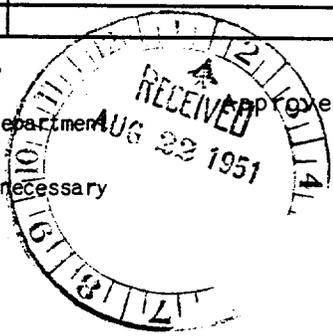
BUILDING 1131 ROOM OR SECTION Feed WEEK ENDING 8-19-51

INSTRUMENT TYPE \_\_\_\_\_ SURVEYOR \_\_\_\_\_ SUPERVISOR ~~\_\_\_\_\_~~ Powell

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

Sample No.	Date	Time	Length of Sample (min.)	Flow (cfm)	Location and Conditions	( ) Alpha ( ) Beta (c/m/ft <sup>3</sup> )
01651	8-8	0800	1440	1	Ash. Rec.	.06
52	"	"	"	1	VEF	.04
53	8-9	"	"	1	"	.03
54	"	"	"	1	Ash. Rec.	.02
61	8-10	"	1380	1	" "	.01
62	"	"	"	1	VEF	.02
63	8-11	0700	1440	1	"	.04
64	"	"	"	1	Ash. Rec.	.02
65	8-12	"	"	1	" "	.04
66	"	"	"	1	VEF	.06
73	8-13	0800	1530	1	"	.007
74	"	"	"	1	Ash. Rec.	.03
89	8-15	0930	810	1	" "	.1
90	"	"	"	1	VEF	.04
91	"	2300	360	1	"	.1
92	"	"	"	1	Ash. Rec.	.1
93	8-16	0500	1105	1	" "	.1
94	"	"	"	1	VEF	.05
95	"	2400	140	1	"	.1
96	"	"	"	1	Ash. Rec.	.1

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Operating Supervisor CP Powell  
 Date 8/21/51



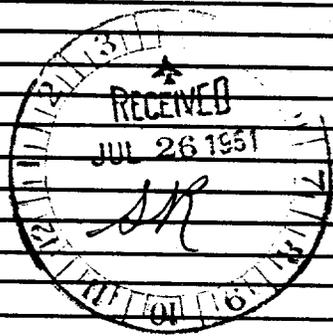
**ROUTINE AIRBORNE CONTAMINATION REPORT**

BUILDING 1131 ROOM OR SECTION Feed WEEK ENDING 7-22-51  
 INSTRUMENT TYPE \_\_\_\_\_ SURVEYOR \_\_\_\_\_ SUPERVISOR Powell

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

Sample No.	Date	Time	Length of Sample (min.)	Flow (cfm)	Location and Conditions	( ) Alpha ( ) Beta (c/m/ft <sup>3</sup> )
01485	7-7	1500	5280	1	Ash. Rec.	1.07
86	"	"	"	1	WF	1.1
87	7-11	0700	1440	1	"	1.04
88	"	"	"	1	Ash. Rec.	1.03
93	7-12	"	2880	1	" "	1.007
94	"	"	"	1	WF	1.04
95	7-14	"	1440	1	"	1.01
96	"	"	"	1	Ash. Rec.	1.007
97	7-15	"	"	1	"	1.025
98	"	"	"	1	WF	1.05
01527	7-16	"	"	1	"	1.03
28	"	"	"	1	Ash. Rec	1.025

*Highlights July 51*



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Approved C. Powell  
 Operating Supervisor  
 Date 7-24-51

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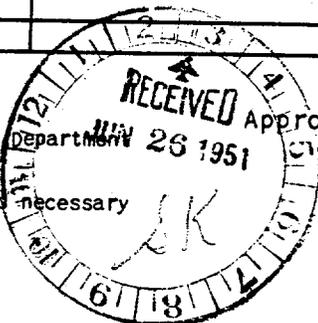
**ROUTINE AIRBORNE CONTAMINATION REPORT**

BUILDING 1131 ROOM OR SECTION Feed WEEK ENDING 6-17-51  
 INSTRUMENT TYPE \_\_\_\_\_ SURVEYOR \_\_\_\_\_ SUPERVISOR Rowell

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

Sample No.	Date	Time	Length of Sample (min.)	Flow (cfm)	Location and Conditions	( ) Alpha ( ) Beta (c/m/ft <sup>3</sup> )
01272	5-30	2300	3840	1	Ash. Rec.	.01
01273	"	"	"	1	UF4	.03
74	6-3	1500	1440	1	"	.02
75	"	"	"	1	Ash. Rec.	.02
76	6-4	"	"	1	"	.006
77	"	"	"	1	UF4	.01
78	6-5	"	960	1	"	.02
79	"	"	"	1	Ash. Rec.	.006
80	6-6	0700	480	1	"	.02
81	"	"	"	1	UF4	.02
82	"	1500	2400	1	"	.008
83	"	"	"	1	Ash. Rec.	.006
84	6-8	0700	480	1	"	.01
85	"	"	"	1	UF4	.01
86	"	1500	1440	1	"	.02
87	"	"	"	1	Ash. Rec.	.03
88	6-9	"	2400	1	"	.002
89	"	"	"	1	UF4	.01
01322	6-11	0700	2880	1	"	.01
23	"	"	"	1	Ash. Rec.	.004
24	6-13	"	1440	1	"	.006
25	"	"	"	1	UF4	.02
26	6-14	"	"	1	"	.008
27	"	"	"	1	Ash. Rec.	.004

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Caroway  
 Operating Supervisor

Date 6-25-51

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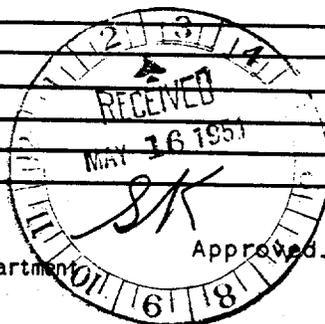


**ROUTINE AIRBORNE CONTAMINATION REPORT**

BUILDING 1131 ROOM OR SECTION Feed WEEK ENDING 5-13-51  
 INSTRUMENT TYPE \_\_\_\_\_ SURVEYOR \_\_\_\_\_ SUPERVISOR Powell

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

Sample No.	Date	Time	Length of Sample (min.)	Flow (cfm)	Location and conditions	( ) Alpha ( ) Beta (c/m/ft <sup>3</sup> )
01087	5-3	2300	960	1	Ash. Rec.	.05
88	"	"	"	1	UF4	.02
89	5-4	1500	1440	1	" "	.06
90	"	"	"	1	Ash Rec.	.08
91	"	"	"	1	" "	.04
92	"	"	"	1	UF4	.04
01117	5-6	"	"	1	" "	.04
18	"	"	"	1	Ash. Rec.	.04
19	5-7	"	"	1	" "	.02
20	"	"	"	1	UF4	.02
21	5-8	"	960	1	" "	.01
22	"	"	"	1	Ash. Rec.	.01
23	5-9	0700	1440	1	" "	.01
24	"	"	"	1	UF4	.02
25	5-10	"	480	1	" "	.04
26	"	"	"	1	Ash. Rec.	.04
27	"	1500	960	1	" "	.04
28	"	"	"	1	UF4	.01



*C. Powell*  
 Operating Supervisor  
 Date 5-15-51

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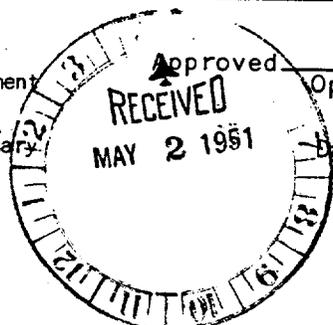
**ROUTINE AIRBORNE CONTAMINATION REPORT**

BUILDING 1131 ROOM OR SECTION Feed WEEK ENDING 4-22-51  
 INSTRUMENT TYPE \_\_\_\_\_ SURVEYOR \_\_\_\_\_ SUPERVISOR Powell

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

Sample No.	Date	Time	Length of Sample (min.)	Flow (cfm)	Location and Conditions	( ) Alpha ( ) Beta (c/m/ft <sup>3</sup> )
909	4-11	0700	480	1	Ash. Rec.	1.06
913	"	"	"	1	UF4	1.1
914	"	1500	960	1	"	1.05
915	"	"	"	1	Ash. Rec.	1.03
916	4-12	0700	480	1	"	1.02
917	"	"	"	1	UF4	1.02
918	"	1500	960	1	"	1.03
919	"	"	"	1	Ash. Rec.	1.02
920	4-13	0700	480	1	UF4	1.05
921	"	"	"	1	Ash. Rec.	1.03
922	"	1500	960	1	"	1.01
923	"	"	"	1	UF4	1.02
924	4-14	0700	480	1	"	1.04
925	"	"	"	1	Ash. Rec.	1.03
926	"	1500	960	1	"	1.04
927	"	"	"	1	UF4	1.05
928	4-15	0700	1440	1	"	1.009
929	"	"	"	1	Ash. Rec.	1.01
958	4-16	"	"	1	"	1.02
959	"	"	"	1	UF4	1.01
960	4-17	"	"	1	"	1.09
961	"	"	"	1	Ash. Rec.	1.01
972	4-18	"	"	1	"	1.01
973	"	"	"	1	UF4	1.03
974	4-19	"	"	1	"	1.01
975	"	"	"	1	Ash. Rec.	1.01

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 Date 5-2-51

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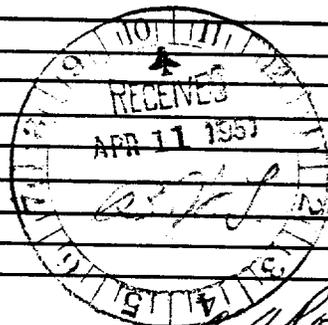


**ROUTINE AIRBORNE CONTAMINATION REPORT**

BUILDING 1131 ROOM OR SECTION Feed WEEK ENDING 4-8-51  
 INSTRUMENT TYPE \_\_\_\_\_ SURVEYOR \_\_\_\_\_ SUPERVISOR Powell

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

Sample No.	Date	Time	Length of Sample (min.)	Flow (cfm)	Location and Conditions	( ) Alpha ( ) Beta (c/m/ft <sup>3</sup> )
795	3-29	2300	1440	1	Ash. Rec.	1.07
796	"	"	"	1	WFH	1.05
797	3-30	"	"	1	"	1.05
798	"	"	"	1	Ash. Rec.	1.06
799	3-31	"	960	1	"	1.03
800	"	"	"	1	WFH	1.06
801	4-1	1500	480	1	"	1.05
802	"	"	"	1	Ash. Rec.	1.07
817	"	2300	960	1	"	1.7
818	"	"	"	1	WFH	1.2
819	4-2	1500	480	1	"	1.2
820	"	"	"	1	Ash. Rec.	1.3
821	"	2300	960	1	"	1.05
822	"	"	"	1	WFH	1.06
823	4-3	1500	480	1	"	1.1
824	"	"	"	1	Ash. Rec.	1.1
837	"	2300	960	1	"	1.1
838	"	"	"	1	WFH	1.08
839	4-4	1500	480	1	"	1.02
840	"	"	"	1	Ash. Rec.	1.07
841	"	2300	960	1	"	1.2
842	"	"	"	1	WFH	1.04
843	4-5	1500	480	1	"	1.3
844	"	"	"	1	Ash. Rec.	1.2



Approved Powell  
 Operating Supervisor  
 Date 4-10-51

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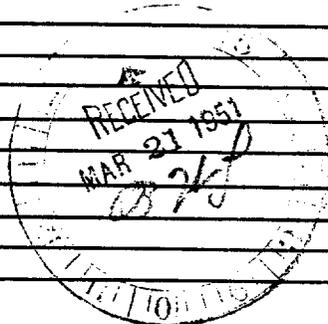


ROUTINE AIRBORNE CONTAMINATION REPORT

BUILDING 1131 ROOM OR SECTION Feed WEEK ENDING 3-18-51  
 INSTRUMENT TYPE \_\_\_\_\_ SURVEYOR \_\_\_\_\_ SUPERVISOR Power

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

Sample No.	Date	Time	Length of Sample (min.)	Flow (cfm)	Location and conditions	( ) Alpha ( ) Beta (c/m/ft <sup>3</sup> )
00618	3-8	2300	960	1	WEH	.01
619	"	"	"	1	Ash. Rec.	.01
620	3-9	1500	1910	1	" "	.1
621	"	"	"	1	WEH	.08
622	3-10	2250	970	1	" "	.03
623	"	2300	930	1	Ash. Rec.	.09
624	3-11	1530	480	1	" "	.04
625	"	"	"	1	WEH	.01
653	"	2300	960	1	" "	.01
654	"	"	"	1	Ash. Rec.	.04
655	3-12	1500	1440	1	" "	.07
656	"	"	"	1	WEH	.03
657	3-13	"	960	1	" "	.02
658	"	"	"	1	Ash. Rec.	.04
659	3-14	0700	480	1	" "	.1
660	"	"	"	1	WEH	.09
661	"	1500	960	1	" "	.07
662	"	"	"	1	Ash. Rec.	.1
663	3-15	0700	480	1	" "	.07
664	"	"	"	1	WEH	.04
665	"	1500	960	1	" "	.06
666	"	"	"	1	Ash. Rec.	.7



Approved Power  
 Operating Supervisor

Date 3-20-51

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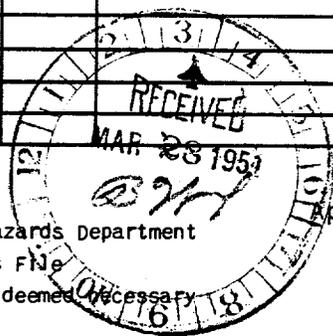
**ROUTINE AIRBORNE CONTAMINATION REPORT**

BUILDING 1131 ROOM OR SECTION Feed WEEK ENDING 3-25-51  
 INSTRUMENT TYPE \_\_\_\_\_ SURVEYOR \_\_\_\_\_ SUPERVISOR Powell

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

Sample No.	Date	Time	Length of Sample (min.)	Flow (cfm)	Location and Conditions	( ) Alpha ( ) Beta (c/m/ft <sup>3</sup> )
680	3-16	0700	480	1	UF4	.04
681	"	"	"	1	Ash, Rec.	.1
682	"	1500	760	1	" "	.04
683	"	"	"	1	UF4	.04
684	3-17	0710	480	1	"	.08
685	"	"	"	1	Ash, Rec.	.2
686	"	1500	960	1	" "	.3
687	"	"	"	1	UF4	.07
688	3-18	0700	1440	1	"	.09
689	"	"	"	1	Ash, Rec.	.1
713	3-19	"	"	1	" "	.1
714	"	"	"	1	UF4	.08
715	3-20	"	2880	1	"	.06
716	"	"	"	1	Ash, Rec.	.1
717	3-22	"	1440	1	" "	.2
718	"	"	"	1	UF4	.2

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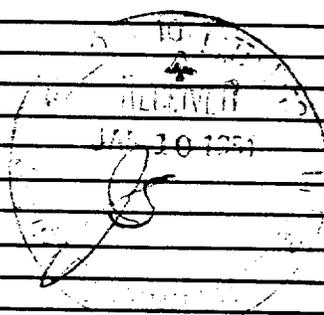
**ROUTINE AIRBORNE CONTAMINATION REPORT**

BUILDING 1131 ROOM OR SECTION \_\_\_\_\_ WEEK ENDING 1-7-51  
 INSTRUMENT TYPE \_\_\_\_\_ SURVEYOR \_\_\_\_\_ SUPERVISOR \_\_\_\_\_

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

Sample No.	Date	Time	Length of Sample (min.)	Flow (cfm)	Location and conditions	( ) Alpha ( ) Beta (c/m/ft <sup>3</sup> )
09990	12-26	1330	1470	1	UO <sub>2</sub>	.006
91	"	"	"	"	Ash. Rec.	.05
92	"	"	"	"	UF <sub>4</sub>	.02
93	12-27	"	570	"	UF <sub>4</sub>	.02
94	"	"	"	"	Ash. Rec.	.03
95	"	"	"	"	UO <sub>2</sub>	.02
96	"	2300	970	"	UF <sub>4</sub>	.1
97	"	"	"	"	UF <sub>4</sub>	.08
98	"	"	"	"	UO <sub>2</sub>	.02
00007	12-28	1510	1910	"	Ash. Rec.	.04
08	"	"	"	"	UO <sub>2</sub>	.02
09	"	"	"	"	UF <sub>4</sub>	.1
10	12-29	2300	960	"	UO <sub>2</sub>	.01
11	"	"	"	"	Ash. Rec.	.03
12	"	"	"	"	UF <sub>4</sub>	.02
13	12-30	1515	465	"	Ash. Rec.	.02
14	"	"	"	"	UF <sub>4</sub>	.01
15	"	"	"	"	UO <sub>2</sub>	.01
16	"	2300	960	"	Ash. Rec.	.09
17	"	"	"	"	UF <sub>4</sub>	.1
18	"	"	"	"	UO <sub>2</sub>	.03
19	12-31	1500	480	"	Ash. Rec.	.03
20	"	"	"	"	UF <sub>4</sub>	.01
21	"	"	"	"	UO <sub>2</sub>	.04
22	"	2300	960	"	UO <sub>2</sub>	.01
23	"	2"	"	"	UF <sub>4</sub>	.1
24	"	"	"	"	Ash. Rec.	.1
25	(1-5)	1500	480	"	"	.5
26	1-1	"	"	"	UF <sub>4</sub>	.2
27	"	"	"	"	UO <sub>2</sub>	.09
57	"	2300	960	"	UO <sub>2</sub>	.002
58	"	"	"	"	UF <sub>4</sub>	.01
59	"	"	"	"	Ash. Rec.	.09
60	1-2	1500	480	"	UF <sub>4</sub>	.1

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 Operating Supervisor  
 Date 1-9-51

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AIRBORNE CONTAMINATION  
K-1231 Bldg.













AIRBORNE CONTAMINATION  
K-1301 and K-1303











































AIRBORNE CONTAMINATION  
K-1410 Building



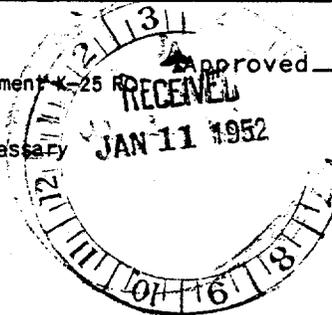
ROUTINE AIRBORNE CONTAMINATION REPORT

BUILDING 1410 ROOM OR SECTION Decont & Recov. WEEK ENDING 12-30-51  
 INSTRUMENT TYPE \_\_\_\_\_ SURVEYOR \_\_\_\_\_ SUPERVISOR Gutzmer

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

Sample No.	Date	Time	Length of Sample (min.)	Flow (cfm)	Location and Conditions	( ) Alpha ( ) Beta (c/m/ft <sup>3</sup> )
02870	12-24	0001	450	3	Tables	1.03
71	12-24	0001	450	3	Fce.	1.02
72	12-24	0805	420	3	"	1.04
73	12-24	0805	420	3	Tables	1.1
74	12-24	1600	450	3	"	1.03
75	12-24	1600	450	3	Fce.	1.02
76	12-25	0001	450	3	"	1.03
77	12-25	0001	450	3	Tables	1.03
78	12-25	0810	420	3	"	1.02
79	12-25	0810	420	3	Fce.	1.025
80	12-25	1600	420	3	"	1.025
81	12-25	1600	420	3	Tables	1.02
82	12-26	0015	435	3	"	1.07
83	12-26	0015	435	3	Fce.	1.02
84	12-26	0820	390	3	"	1.1
85	12-26	0820	390	3	Tables	1.7
86	12-26	1630	420	3	"	1.1
87	12-26	1630	420	3	Fce.	1.05
88	12-27	0015	435	3	"	1.1
89	12-27	0015	435	3	Tables	1.05
90	12-27	0815	420	3	"	1.1
91	12-27	0815	420	3	Fce.	1.05
92	12-27	1600	420	3	"	1.02
93	12-27	1600	420	3	Tables	1.04
94	12-28	0015	435	3	"	1.07
95	12-28	0015	435	3	Fce.	1.1
02942	12-28	0810	420	3	"	1.03
43	12-28	0810	420	3	Tables	1.05
44	12-28	1600	420	3	"	1.4
45	12-28	1600	420	3	Fce.	1.2
46	12-29	0015	450	3	"	1.02
47	12-29	0015	450	3	Tables	1.02
48	12-29	0815	465	3	"	1.02
49	12-29	0815	465	3	Fce.	1.01

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 Operating Supervisor  
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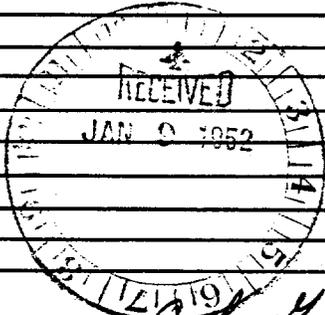


**ROUTINE AIRBORNE CONTAMINATION REPORT**

BUILDING 1410 ROOM OR SECTION Decont. WEEK ENDING 12-23-51  
 INSTRUMENT TYPE \_\_\_\_\_ SURVEYOR \_\_\_\_\_ SUPERVISOR Hutzner

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

Sample No.	Date	Time	Length of Sample (min.)	Flow (cfm)	Location and Conditions	( ) Alpha ( ) Beta (c/m/ft <sup>3</sup> )
02771	12-17	0815	595	3	Tables	.1
72	12-17	0815	595	3	Fce.	.6
73	12-17	1605	420	3	"	.01
74	12-17	1605	420	3	Tables	.01
75	12-18	0001	610	3	Fce.	.03
76	12-18	0001	610	3	Tables	.03
77	12-18	1605	420	3	Fce.	.01
78	12-18	1605	420	3	Tables	.02
79	12-19	0001	450	3	Fce.	.006
80	12-19	0001	450	3	Tables	.01
02843	12-19	0815	435	3	"	.03
44	12-19	0815	435	3	Fce.	.02
45	12-19	1610	420	3	"	.02
46	12-19	1610	420	3	Tables	.03
47	12-20	0030	420	3	"	.03
48	12-20	0030	420	3	Fce.	.007
49	12-20	0815	435	3	"	.04
50	12-20	0815	435	3	Tables	.03
51	12-20	1610	420	3	"	.1
52	12-20	1610	420	3	Fce.	.04
53	12-21	0001	450	3	"	.01
54	12-21	0001	450	3	Tables	.02
55	12-21	0815	435	3	"	.03
56	12-21	0815	435	3	Fce.	.02
57	12-21	1600	480	3	"	.009
58	12-21	1600	480	3	Tables	.01
59	12-22	0001	450	3	"	.02
60	12-22	0001	450	3	Fce.	.02
61	12-22	0815	435	3	"	.04
62	12-22	0815	435	3	Tables	.03
63	12-22	1700	450	3	"	.07
64	12-22	1700	450	3	Fce.	.02
65	12-23	0001	450	3	"	.03
66	12-23	0001	450	3	Tables	.1



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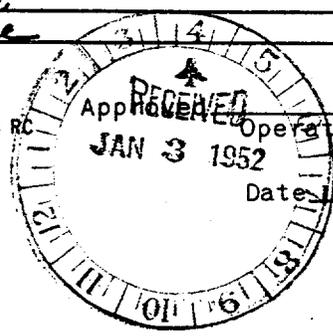
BUILDING 1410 ROOM OR SECTION Deont. WEEK ENDING 12-16-51  
 INSTRUMENT TYPE \_\_\_\_\_ SURVEYOR \_\_\_\_\_ SUPERVISOR Litzner

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

Sample No.	Date	Time	Length of Sample (min.)	Flow (cfm)	Location and Conditions	( ) Alpha ( ) Beta (c/m/ft <sup>3</sup> )
02621	12-10	0005	450	3	Fca.	1.03
22	12-10	0005	450	3	Tables.	1.08
23	12-10	0800	450	3	Fca.	1.006
24	12-10	0800	450	3	Tables.	1.006
25	12-10	1615	435	3	"	1.01
26	12-10	1615	435	3	Fca.	1.01
27	12-11	0015	420	3	"	1.01
28	12-11	0015	420	3	Tables.	1.02
29	12-11	0800	450	3	"	1.04
30	12-11	0800	450	3	Fca.	1.04
31	12-11	1615	435	3	"	1.1
32	12-11	1615	435	3	Tables.	1.1
33	12-12	0001	450	3	"	1.04
34	12-12	0001	450	3	Fca.	1.02
51	12-12	0800	450	3	"	1.03
52	12-12	0800	450	3	Tables.	1.09
53	12-12	1615	435	3	"	1.1
54	12-12	1615	435	3	Fca.	1.04
55	12-13	0005	450	3	"	1.02
56	12-13	0005	450	3	Tables.	1.03
57	12-13	0800	450	3	"	1.02
58	12-13	0800	450	3	Fca.	1.1
59	12-13	1615	435	3	"	1.06
60	12-13	1615	435	3	Tables.	1.02
61	12-14	0030	420	3	"	1.05
62	12-14	0030	420	3	Fca.	1.03
02751	12-16	0030	420	3	"	1.03
52	12-16	0030	420	3	Tables.	1.06
53	12-16	0815	435	3	Fca.	1.08
54	12-16	1610	420	3	Tables.	1.08
55	12-16	1610	420	3	Fca.	1.05
56	12-17	0005	445	3	Tables.	1.05
57	12-17	0005	445	3	Fca.	1.04
58	12-14	0815	475	3	Table	1.04

Dec. High 14

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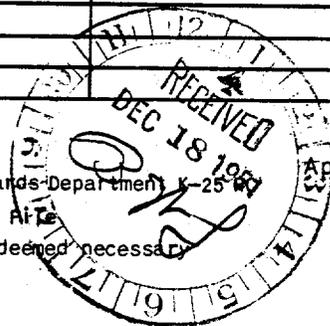
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**ROUTINE AIRBORNE CONTAMINATION REPORT**

BUILDING 1410 ROOM OR SECTION Decent. WEEK ENDING 12-9-51  
 INSTRUMENT TYPE \_\_\_\_\_ SURVEYOR \_\_\_\_\_ SUPERVISOR Gutzmer

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

Sample No.	Date	Time	Length of Sample (min.)	Flow (cfm)	Location and conditions	( ) Alpha ( ) Beta (c/m/ft <sup>3</sup> )
02546	12-3	0915	900	3	Tables	1006
47	12-4	0015	435	3	"	101
48	12-4	0830	420	3	"	104
49	12-4	0830	420	3	Fce.	101
50	12-5	0140	545	3	"	101
51	12-5	0140	545	3	Tables	102
67	12-5	1030	1350	3	"	103
68	12-5	1030	1350	3	Fce.	101
69	12-6	0800	450	3	"	101
70	12-6	0800	450	3	Tables	102
71	12-7	0100	380	3	"	103
72	12-7	0100	380	3	Fce.	102
02607	12-7	0900	390	3	"	102
08	12-7	0900	390	3	Tables	103
09	12-7	1615	435	3	"	101
10	12-7	1615	435	3	Fce.	105
11	12-8	0020	420	3	"	101
12	12-8	0020	420	3	Tables	11
13	12-8	0800	960	3	Fce.	1006
14	12-8	0800	450	3	Tables	101
15	12-9	0005	420	3	"	103
16	12-9	0005	420	3	Fce.	105
17	12-9	1120	250	3	"	103
18	12-9	1120	250	3	Tables	103
19	12-9	1615	435	3	"	102
20	12-9	1840	250	3	Fce.	1002



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