

To Nile  
Date 7/23 Time 4:00 A.M.  
P.M.

WHILE YOU WERE OUT

From Alan MacFarlane  
Address \_\_\_\_\_  
Room \_\_\_\_\_

- Telephoned
- Will phone again
- Please phone
- Came to see you
- Will come again
- Rush

MESSAGE

TWA 7/20 11:00 am over  
time dirty bassoon

Phone party at \_\_\_\_\_  
Taken by Be

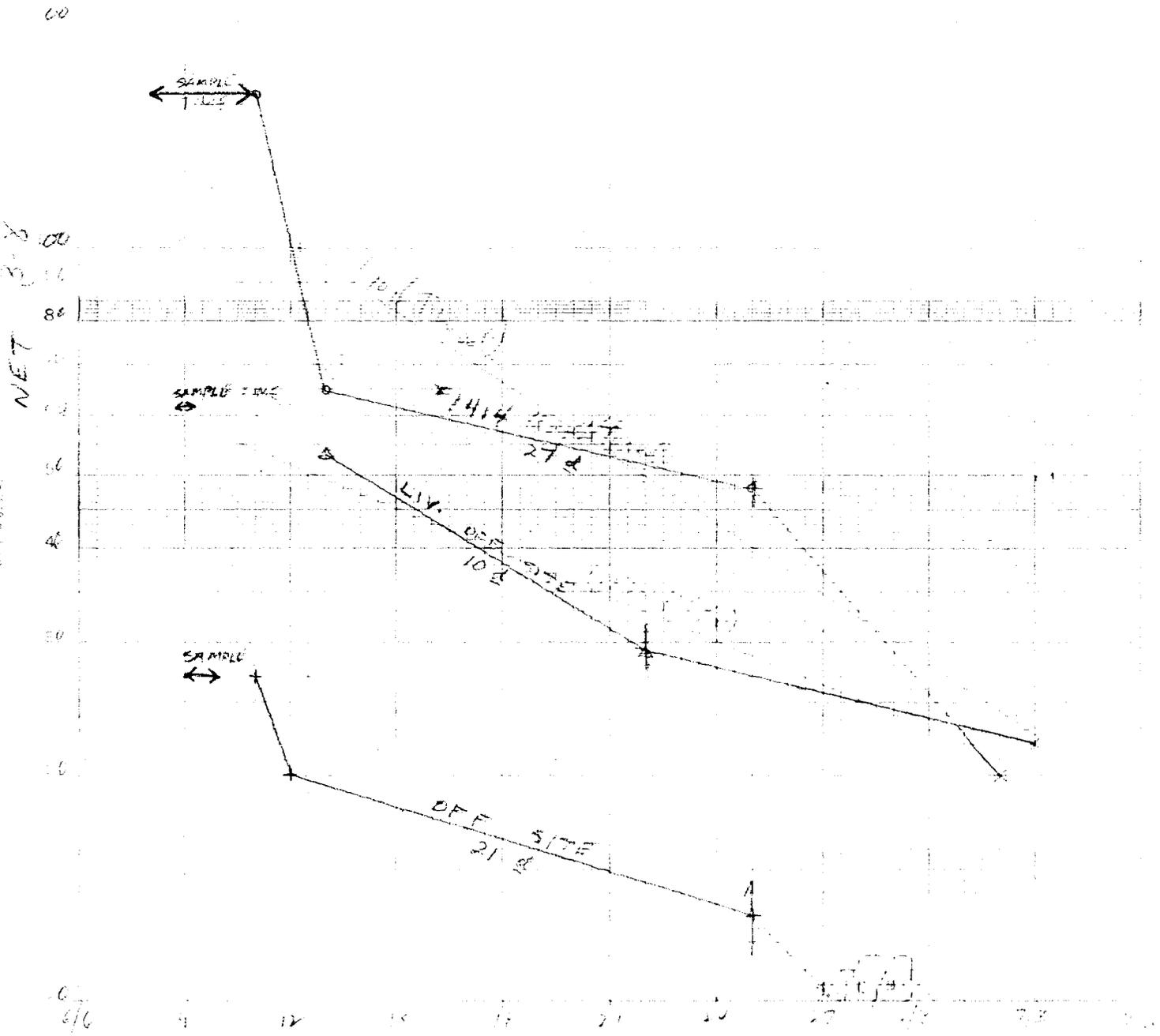
J.F.  
7/9/56  
DB McFar says: 402551

Aug 7/8/56  
Bikini 1PM  
over time

also July 2 here  
June 26 ✓ R

maybe another today or  
tomorrow. (9<sup>th</sup>-10<sup>th</sup>)

Fallout  
 off-site  
 7/13



NET  
 100  
 80  
 60  
 40  
 20  
 0

0  
 12  
 18  
 24  
 30  
 36  
 42  
 48

AIR SAMPLING FOR RADIOACTIVITY

BLDG. 70 ROOM 183A SITE F  
 RATE 4 CFM

TIME DATE  
 ON 0730 6/8  
 OFF 0850 6/11

ALPHA COUNT

	TIME	DATE	C/M
BACKGROUND	<u>0950</u>	<u>6/11</u>	<u>1</u>
SAMPLE	<u>1003</u>	<u>6/11</u>	<u>125</u>
<i>SURVEY</i>	<u>0850</u>	<u>6/11</u>	<u>350</u>

BETA-GAMMA COUNT

	TIME	DATE	C/M
BACKGROUND	<u>0940</u>	<u>6/11</u>	<u>26</u>
SAMPLE	<u>0953</u>	<u>6/11</u>	<u>92</u>
<i>SURVEY</i>	<u>0850</u>	<u>6/11</u>	<u>0.0115</u>

RL-429

AIR SAMPLING FOR RADIOACTIVITY

BLDG. 70 ROOM 183A SITE U  
 RATE \_\_\_\_\_ CFM

TIME DATE  
 ON 0732 6-8  
 OFF 0850 6-11

ALPHA COUNT

	TIME	DATE	C/M
BACKGROUND			
SAMPLE			

BETA-GAMMA COUNT

	TIME	DATE	C/M
BACKGROUND	<u>0950</u>	<u>6-25</u>	<u>20</u>
SAMPLE	<u>1030</u>	<u>6-25</u>	<u>68</u>

RL-429

AIR SAMPLING FOR RADIOACTIVITY

BLDG. 70 ROOM 183A SITE U  
 RATE 4 CFM

TIME DATE  
 ON 0732 6/8  
 OFF 0850 6/11

ALPHA COUNT

	TIME	DATE	C/M
BACKGROUND	<u>0945</u>	<u>6/11</u>	<u>1</u>
SAMPLE	<u>1000</u>	<u>6/11</u>	<u>218</u>
<i>SURVEY</i>	<u>0850</u>	<u>6/11</u>	<u>500</u>

BETA-GAMMA COUNT

	TIME	DATE	C/M
BACKGROUND	<u>0940</u>	<u>6/11</u>	<u>26</u>
SAMPLE	<u>0952</u>	<u>6/11</u>	<u>187</u>
<i>SURVEY</i>	<u>0850</u>	<u>6/11</u>	<u>0.0115</u>

RL-429

AIR SAMPLING FOR RADIOACTIVITY

BLDG. 70 ROOM 183A SITE AIR INTAKE  
 RATE 4 CFM HL-22 1414

TIME DATE  
 ON 0732 6-8-52  
 OFF 0850 6-11-52

ALPHA COUNT

	TIME	DATE	C/M
BACKGROUND/			
SAMPLE	<u>0920</u>	<u>6/13 '1414 U-</u>	<u>6</u>
	<u>0928</u>	<u>6/13 '1414 F-</u>	<u>5</u>

BETA-GAMMA COUNT

	TIME	DATE	C/M
BACKGROUND 24			
SAMPLE	<u>0928</u>	<u>6/13 '1414 U-</u>	<u>89</u>
	<u>0937</u>	<u>6/13 '1414 F-</u>	<u>36</u>

RL-429

F: 127 - 132  
118

F: 89 - 95  
0950 0955

3520-3610-3605-3650

2-1-1-1-2-1

U: 215 - 220  
0955 1000

3502-3527-3566-3481

29-30-36-38-24-19

U: 186 - 189  
0949 0952

U-9-7-6-4-5-5  $\sqrt{35}$   
F-4-3-6-5-5-4  $\sqrt{27}$   
 $\frac{24}{3}$

U-89-80-98-97-83-87  $\sqrt{534}$   
F-41-25-35-39-37-36  $\sqrt{213}$   
 $\frac{14}{33}$   
 $\frac{24}{3}$

AIR SAMPLING FOR RADIOACTIVITY

BLDG. 70 ROOM 183A SITE 1

RATE \_\_\_\_\_ CFM

	TIME	DATE
ON	0732	6-8
OFF	0745	6-11

ALPHA COUNT

	TIME	DATE	C/M
BACKGROUND	0900	7-2	
SAMPLE			

BETA-GAMMA COUNT

	TIME	DATE	C/M
BACKGROUND			26
SAMPLE	O <sub>2</sub>		88

AIR SAMPLING FOR RADIOACTIVITY

BLDG. 70 ROOM 183A SITE 1

RATE \_\_\_\_\_ CFM

	TIME	DATE
ON	0732	6-8
OFF	0745	6-11

ALPHA COUNT

	TIME	DATE	C/M
BACKGROUND	0900	7-2	
SAMPLE			

U  
F  
H<sub>2</sub>

BETA-GAMMA COUNT

	TIME	DATE	C/M
BACKGROUND			26
SAMPLE			46
			38

U  
F  
H<sub>2</sub>

AIR SAMPLING FOR RADIOACTIVITY

BLDG. off site ROOM \_\_\_\_\_ SITE \_\_\_\_\_

RATE 4 CFM

	TIME	DATE
ON	0800	6-9-56
OFF	0930	6-10-56

ALPHA COUNT  
TIME DATE C/M

BACKGROUND/

SAMPLE 1426  $\frac{1}{2}$  — 13

BETA-GAMMA COUNT  
TIME DATE C/M

BACKGROUND 22

SAMPLE 1432  $\frac{1}{2}$  — 42

RL-429

AIR SAMPLING FOR RADIOACTIVITY

BLDG. \_\_\_\_\_ ROOM OFF SITE SITE \_\_\_\_\_

RATE \_\_\_\_\_ CFM

	TIME	DATE
ON	0800	6-9
OFF	0930	6-10

ALPHA COUNT  
TIME DATE C/M

BACKGROUND

SAMPLE

BETA-GAMMA COUNT  
TIME DATE C/M

BACKGROUND 0900 6-2 26  
SAMPLE 27

RL-429

AIR SAMPLING FOR RADIOACTIVITY

BLDG. \_\_\_\_\_ ROOM \_\_\_\_\_ SITE OFF SITE

RATE \_\_\_\_\_ CFM

	TIME	DATE
ON	0830	6/11
OFF	0930	6/10

ALPHA COUNT  
TIME DATE C/M

BACKGROUND

SAMPLE 0950 6/11 1  
1039 6/11 57

BETA-GAMMA COUNT  
TIME DATE C/M

BACKGROUND

SAMPLE 0940 6/11 26  
1025 6/11 53

RL-429

AIR SAMPLING FOR RADIOACTIVITY

BLDG. OFF SITE ROOM \_\_\_\_\_ SITE \_\_\_\_\_

RATE \_\_\_\_\_ CFM

	TIME	DATE
ON	0800	6-9
OFF	0930	6-10

ALPHA COUNT  
TIME DATE C/M

BACKGROUND

SAMPLE

BETA-GAMMA COUNT  
TIME DATE C/M

BACKGROUND 0950 6-25-56 20  
SAMPLE 1020 6-25 33

RL-429

L  
C

57-62

Com 1-11-12-7-12-14-19

$\frac{413}{178}$   
 $\frac{6}{15}$   
 $\frac{12}{12}$

BV  
C

(C)

54-51

Com 1-49-46-31-44-48-74

$\frac{02}{1783}$   
 $\frac{24}{13}$

5/28

2 shots 11AM + 1PM  
on time Sunday 27<sup>th</sup>  
says D.B.

2 witness off site (UBM 2 runs)  
air sample

on 6/9/56 0900  
" " 2100

\* 1st count 6/13

\* 6/13 } Bkg 2α  
count } " 24βγ

Sample  
net 3 α  
net 57 β-γ

\* 6/22 } Bkg 3α  
count } " 26βγ

net 0 α  
net 29 β-γ

\* 7/5/56 net 72 C/m @ 1500 hrs

\* per phone from Pfening.  
6/22/56; 1630.

\*\* per phone from ... 7/5/56 0900

from D.B.

Shot Wed 30<sup>th</sup>) 5/31/56  
at 11 AM } on time

# LWR air counts

5/11/56

	4								
α	0	3	5	0	0	3	4	15	1
β	3	4	10	5	9	0	1	4	0

net c/m DB McF gauge



51-63 hrs

7:00-8:00 8th

could not confirm above on Berkeley samples + so identified DB + dirty

5/28/56

## DB, gross air counts at following

sample 0800-0800 5/24-5/25/56 site

counts time x β-X  
(net) decay

4h 1762 924

8h 261 180

62h 12 35

- do - house

8h 49 211

62h 13 41

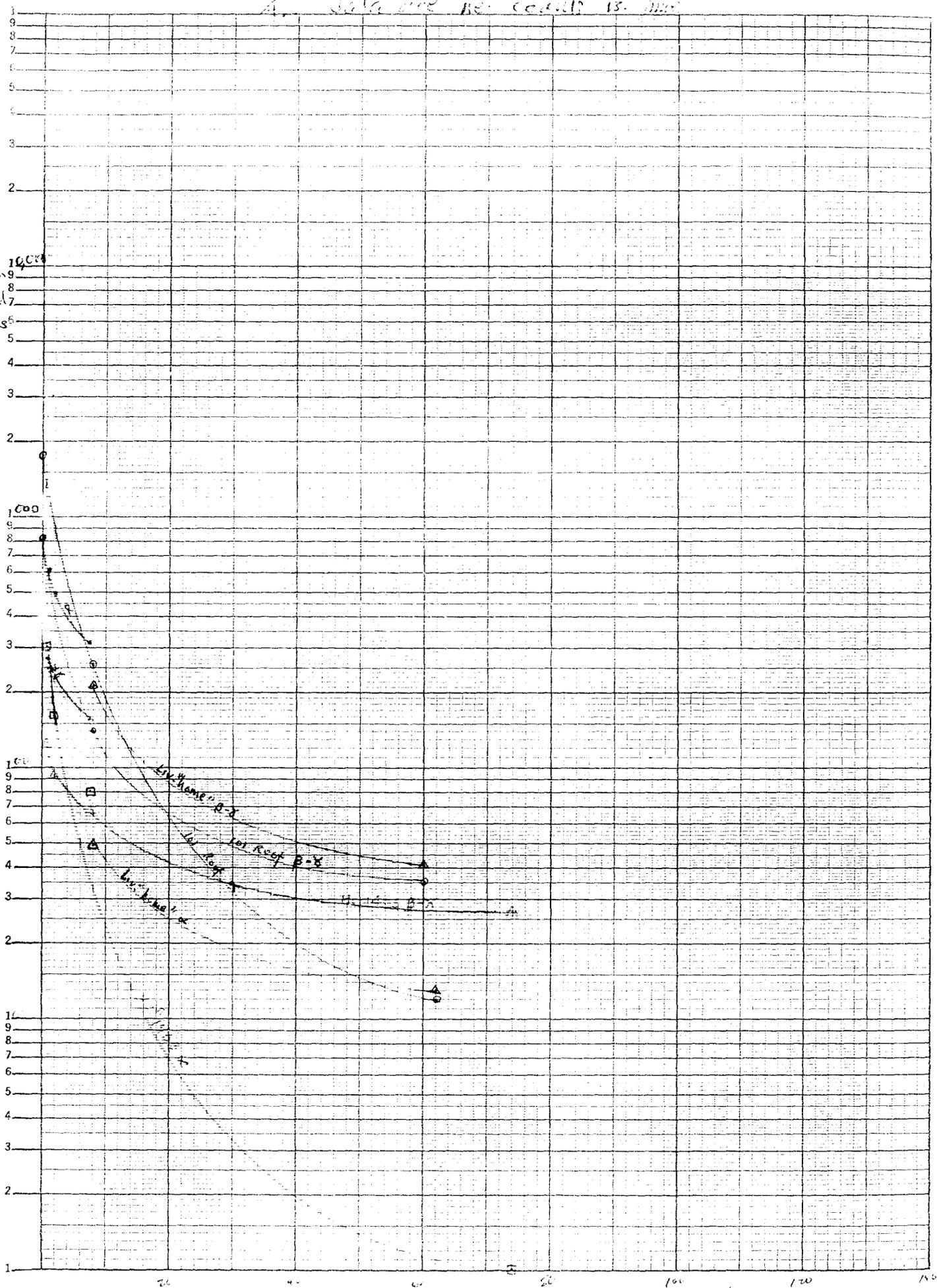
0800-2000 5/25-5/25

58h 3 14

data are not correct 13. 11. 1950

Counts/min  
measured  
on samples

SEMI-LOGARITHMIC 358-91  
KEUFFEL & ESSER CO. MADE IN U.S.A.  
5 CYCLES X 70 DIVISIONS



hours decay after sampling terminated

AIR SAMPLING FOR RADIOACTIVITY

BLDG. 11 ROOM mtc SITE \_\_\_\_\_

RATE \_\_\_\_\_ CFM

	TIME	DATE
ON	1420	5-26-56
OFF	1100	5-27-56

ALPHA COUNT

TIME DATE C/M

BACKGROUND

SAMPLE 0835 5/28 - 81

BETA-GAMMA COUNT

TIME DATE C/M

BACKGROUND

SAMPLE 0838 5/28 - 59

RL-429

AIR SAMPLING FOR RADIOACTIVITY

BLDG. 11 ROOM mtc SITE \_\_\_\_\_

RATE \_\_\_\_\_ CFM

	TIME	DATE
ON	0745	5-25-56
OFF	1420	5-26-56

ALPHA COUNT

TIME DATE C/M

BACKGROUND

SAMPLE 0840 5/28 - 17

BETA-GAMMA COUNT

TIME DATE C/M

BACKGROUND

SAMPLE 0845 5/28 - 40

RL-429

AIR SAMPLING FOR RADIOACTIVITY

BLDG. 11 ROOM mtc SITE \_\_\_\_\_

RATE 4 CFM

	TIME	DATE
ON	1100	5-27-56
OFF	0800	5-28-56

ALPHA COUNT

TIME DATE C/M

BACKGROUND

SAMPLE 0825 5/28 - 395

BETA-GAMMA COUNT

TIME DATE C/M

BACKGROUND

SAMPLE 0829 5/28 - 171

RL-429

$\alpha$   
C

1st term - 81  
2 - 80

$\beta$   
C

1st term - 18  
2 - 11  
3 - 21  
350  
17

$\beta$   
C

1st term - 52  
2 - 66  
118  
19

$\beta$   
C

1st term 38  
2 - 41  
79  
39  
40

$\alpha$   
C

1st term - 399  
2 - 391  
790  
395

$\beta$   
C

1st term - 170  
2 - 172  
342  
171

AIR SAMPLING FOR RADIOACTIVITY

BLDG. 70 ROOM 1836 SITE AIR INTAKE

RATE 4 CFM HC 24 1404

TIME DATE  
ON 0740 5-25-52  
OFF 0732 5-28-52

ALPHA COUNT  
TIME DATE C/M

BACKGROUND

SAMPLE 0803 5/28 1404 U-235  
0805 5/28 1404 F-153  
0807 5/28 1404 U2-233

BETA-GAMMA COUNT  
TIME DATE C/M

BACKGROUND

SAMPLE 0815 5/28 1404 U-154  
0818 5/28 1404 F-104  
0821 5/28 1404 U2-145

AIR SAMPLING FOR RADIOACTIVITY

BLDG. 70 ROOM 1836 SITE AIR INTAKE

RATE 4 CFM HC 24 1404

TIME DATE  
ON 0740 5-25-52  
OFF 0732 5-28-52

ALPHA COUNT  
TIME DATE C/M

BACKGROUND

SAMPLE 1006 5/28 1404 U-94  
1009 5/28 1404 U2-96

BETA-GAMMA COUNT  
TIME DATE C/M

BACKGROUND

SAMPLE 1006 5/28 1404 U-115  
1013 5/28 1404 U2-109

2  
C

U-251-219

F-162-144

U2-232-233

Ad-

Bd-

5Y  
C

U-145-162

F-110-98

U2-133-156

Ad-

Bd-

2  
C

U-103-79-99

F-

U2-95-97

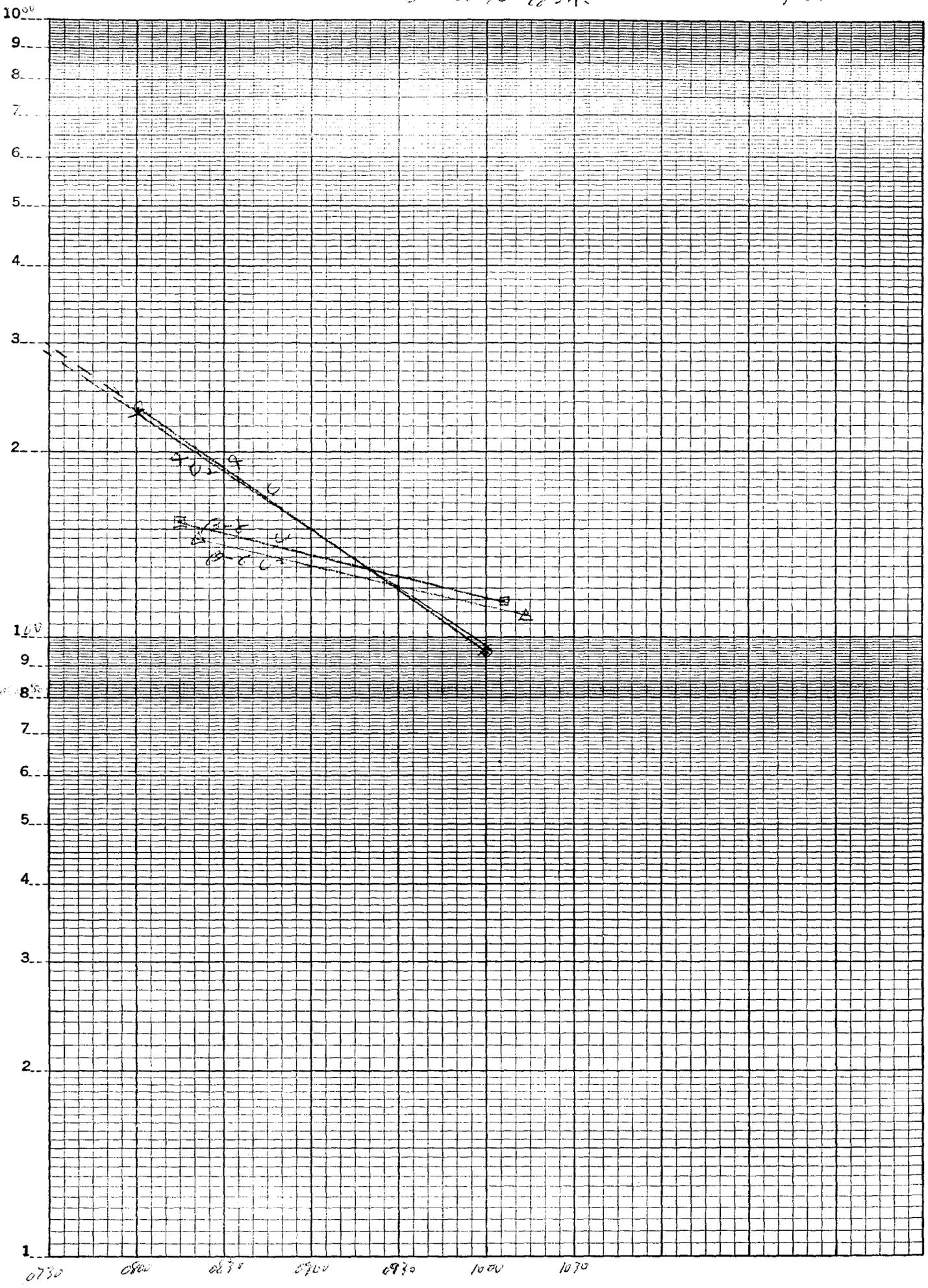
3Y  
C

U-113-114

F-

U2-118-100

BCEA 70 10V P3A. 107 01/25-3/28/56 0170-0152



KEUFFEL & ESSER CO., N. Y. NO. 858-80  
Semi-Logarithmic, 2 Cycles X 60 divisions  
MADE IN U. S. A.

AIR SAMPLING FOR RADIOACTIVITY

BLDG. Off Site ROOM \_\_\_\_\_ SITE \_\_\_\_\_  
RATE 4 CFM

TIME DATE  
ON 0800 5-24-52  
OFF 0745 5-25-52

ALPHA COUNT

TIME DATE C/M

BACKGROUND /

SAMPLE 1515 5/25 — 312

BETA-GAMMA COUNT

TIME DATE C/M

BACKGROUND 24

SAMPLE 1521 5/25 — 156

sample given to  
S. Thompson for possible analysis  
(over)

29

AIR SAMPLING FOR RADIOACTIVITY

BLDG. Off Site ROOM \_\_\_\_\_ SITE \_\_\_\_\_  
RATE 6 CFM

TIME DATE  
ON 0800 5-24-52  
OFF 0745 5-25-52

ALPHA COUNT

TIME DATE C/M

BACKGROUND

SAMPLE 0841 5/25 — 614  
493 @ 0934

BETA-GAMMA COUNT

TIME DATE C/M

BACKGROUND

SAMPLE 0844 5/25 — 274  
0926 5/25 — 229

RL-429

all the work of analyzing for ...

$\alpha$   
C

$$\begin{array}{r} 1^{\text{st}} \text{ cont} - 303 \\ 2 \quad - 321 \\ \hline \sqrt{124} \\ 312 \end{array}$$

$\beta$   
C

$$\begin{array}{r} 1^{\text{st}} \text{ cont} - 134 \\ 2 \quad - 177 \\ \hline \sqrt{211} \\ 156 \end{array}$$

$\alpha$   
C

$$\begin{array}{r} 1^{\text{st}} \text{ cont} - 609 \\ 2 \quad - 618 \\ \hline \sqrt{1227} \\ 614 \end{array}$$

$\beta$   
C

$$\begin{array}{r} 1^{\text{st}} \text{ cont} - 283 \\ 2 \quad - 264 \\ \hline \sqrt{547} \\ 274 \end{array}$$

AIR SAMPLING FOR RADIOACTIVITY

BLDG. 70 ROOM 183 A SITE AIR INTAKE

RATE 4 CFM HCAD 1403

	TIME	DATE
ON	0730	5-24-58
OFF	0740	5-25-58

ALPHA COUNT

TIME DATE C/M

BACKGROUND

SAMPLE 0818 5/25 '1403 U - 301  
 0820 5/25 '1403 F - 225  
 0822 5/25 '1403 U2 - 302 (172 @ 0925)

BETA-GAMMA COUNT

TIME DATE C/M

BACKGROUND

SAMPLE 0829 5/25 '1403 U - 137  
 0832 5/25 '1403 F - 108  
 0835 5/25 '1403 U2 - 156 (121 @ 0931)

RL-429

AIR SAMPLING FOR RADIOACTIVITY

BLDG. 70 ROOM 183 A SITE AIR INTAKE

RATE 4 CFM HCAD 1403

	TIME	DATE
ON	0730	5-24-58
OFF	0740	5-25-58

ALPHA COUNT

TIME DATE C/M

BACKGROUND

SAMPLE 0939 5/25 '1403 U - 151  
 0925 5/25 '1403 U2 - 172

BETA-GAMMA COUNT

TIME DATE C/M

BACKGROUND

SAMPLE 0943 5/25 '1403 U - 110  
 0931 5/25 '1403 U2 - 121

429

2  
C

V - 142-159

E

V2 - 166-178

BY  
C

V - 118-102

F -

V2 - 111-131

2  
C

U - 351-291

F - 236-213

U2 - 305-299

STW

PHJ -

BY  
U

U - 134-139

F - 115-101

U2 - 134-178

STW -

PHJ -

AIR SAMPLING FOR RADIOACTIVITY

BLDG. 70 ROOM 183A SITE A101 INDOOR  
 RATE 4 CFM HC 1403

	TIME	DATE
ON	0730	5-24-52
OFF	0740	5-24-52

ALPHA COUNT

	TIME	DATE	C/M
BACKGROUND/			
SAMPLE	1505 5/25 1403 U-		72
	1509 5/25 1403 U2-		89

BETA-GAMMA COUNT

	TIME	DATE	C/M
BACKGROUND 24			
SAMPLE	1509 5/25 1403 U-		72
	1514 5/25 1403 U2-		83

RL-428

AIR SAMPLING FOR RADIOACTIVITY

BLDG. 70 ROOM 183A SITE \_\_\_\_\_  
 RATE 4 CFM HC 1403

	TIME	DATE
ON	0730	5-24-52
OFF	0740	5-25-52

ALPHA COUNT

	TIME	DATE	C/M
BACKGROUND/			
SAMPLE	0931 5/24 1403 U-		2
	0940 5/24 1403 F-		2
	0949 5/24 1403 U2-		2

BETA-GAMMA COUNT

	TIME	DATE	C/M
BACKGROUND 22			
SAMPLE	0940 5/24 1403 U-		49
	0948 5/24 1403 F-		35
	0957 5/24 1403 U2-		48

RL-428

α

U-64-80

U2-91-87

β  
C

U-75-69

U2-84-82

α

Bd-2-1-0-0-4-1-2-1

AT-3887-3841-3869-3857 3864

U-2-2-3-0-2-2

F-2-3-1-1-1-1

U2-0-0-2-1-3-3

β  
C

Bd-23-26-21-22-22-16

AT-3437-3508-3417-3527 3472

U-50-46-53-48-46-57

F-59-50-36-25-57-38

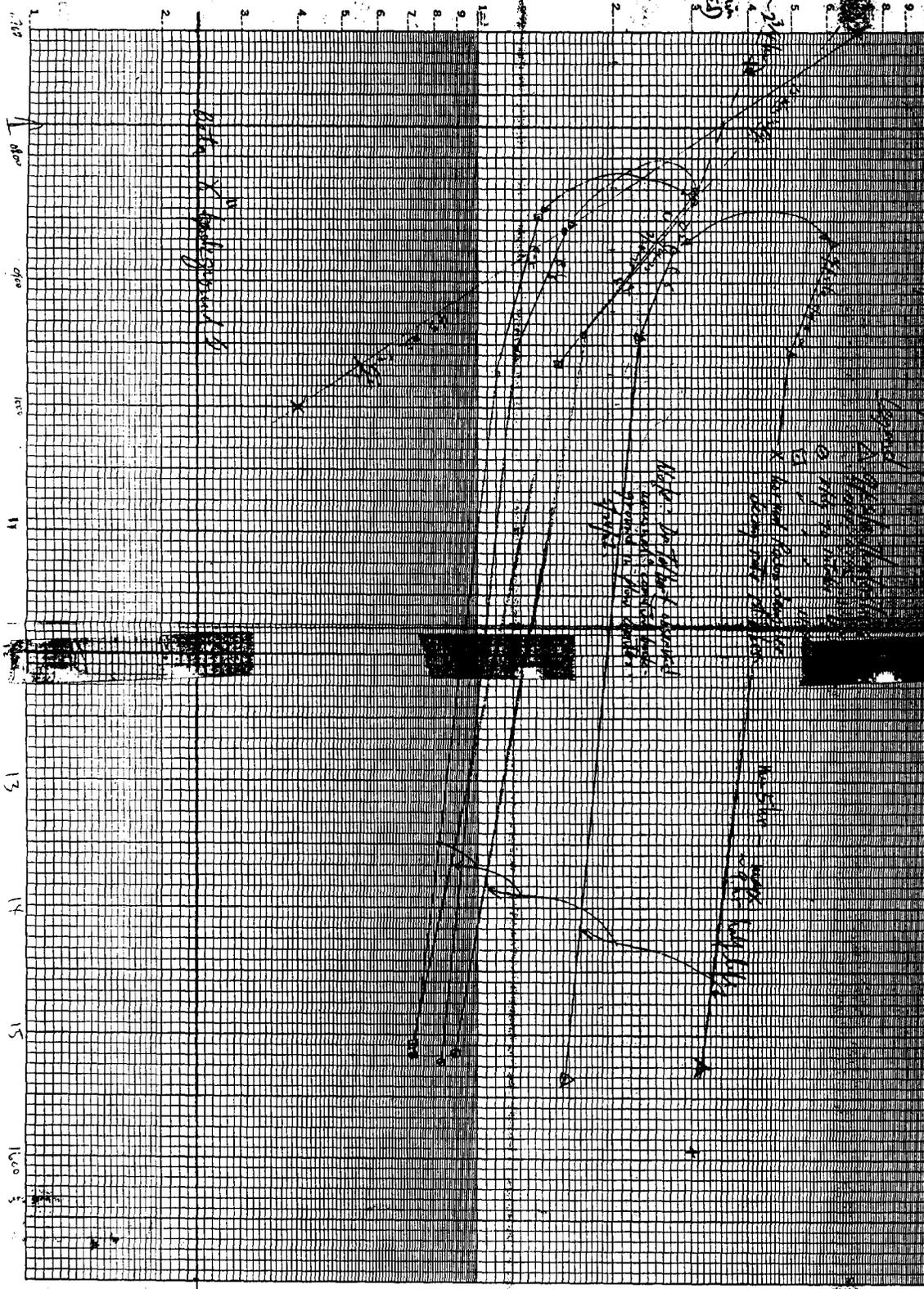
U2-57-46-41-56-49-43

88-10

41

1002

Outdoor Air Samples 5/15/52 - 5/16/52



1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
20  
30  
40  
50  
60  
70  
80  
90  
100

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16



# AIRBORNE RADIOACTIVITY

(ALPHAS UNLESS OTHERWISE NOTED)

DATE 8/31

BLDG.	ROOM	SITE NO.	SAMPLING DATE AND TIME		TOTAL HOURS.	CFM	READINGS - DATE AND TIME		1ST $\beta$ KG	2 <sup>nd</sup> U kg	REMARKS
			START	STOP			1ST	2ND			
		U	0750 8-1-56	0737 8-2-56		U	0829 8-2 70	0930 8-6 30	23	22	
		"	"	"			0842 8-2 57	0932 28	"	"	
		U	0800 8-1-56	0837 8-2-56			0847 8-1 143	0935 19	"	"	
	1452	U	0737 8-2-56	0726 8-3-56			0859 8-3 72	0935 30	23	"	
		F	"	"			0802 8-3 60	0937 28	"	"	
			0800 8-2-56	0800 8-3-56			0827 8-3 132	0925 8-6 24	"	"	
		U	0726 8-3	0830 8-6			0910 8-6 115	8-8 <del>7-24</del> 0923 33	22	23	
		F	"	"			0912 46	0925 29	"	"	
	OFF SITE		0800 8-3	1000 8-6			0925 24	0927	"	"	
	"		1000 8-4	0800 8-6			0920 199	0929 29	"	"	
		U	0830 8-6	0845 8-7			0935 8-7 104	8-9 1013 28	23	20	
		F	"	"			0937 109	1022 27	"	"	
		U	0845 8-7	0850 8-8			8-8 0912 52	8-10 0910 26	23	24	
		F	"	"			0915 53	0912 26	"	"	
		U	8-8 0830	8-9 0815			8-9 0902 135	8-13 0900 23	20	22	
		F	"	"			0905 116	0902 24	"	"	
		U	8-9 0815	8-10 0815			8-10 0903 138	8-13 0904 29	24	"	
		F	"	"			0905 156	0906 26	"	"	
		U	8-10 0815	8-13 0815			8-13 0956 76	8-15 0857 41	22	23	
		F	"	"			0958 69	0859 29	"	"	

# AIRBORNE RADIOACTIVITY

(ALPHAS UNLESS OTHERWISE NOTED)

DATE 8/21

BLDG.	ROOM	SITE NO.	SAMPLING DATE AND TIME		TOTAL HOURS.	CFM	READINGS - DATE AND TIME		1st Bldg	2nd	REMARKS
			START	STOP			1ST	2ND			
10	1434	U	0758	0810			7-23	106	22		
		F	"	"			"	74	"		
			0800	0915			7-25	31	"		
			0915	1030			0930	54	"		
			1050	1200			0130	103	"		
			0800	0915			1131	29		22	
	1445		0815	0930			1042	24			
			0740	0855			1054	23	22	24	
			0815	0930			1014	35			
			0740	0855			1026	60			
			0740	0855			1026	39	21		
			0825	0940			1036	45			
			0835	0950			1047	86			
			0854	1010			1057	50			
			0843	0958			1057	40		23	
			0825	0940			1037	86			
			0829	0944			1044	70			
			0831	0946			1108	94			
			0825	0940			1053	63	23	23	
			0829	0944			1045	60			
			0835	0950			1045	102			
			0825	0940			1054	73			
			0827	0942			1041	71			
			0835	0950			1054	145			

# AIRBORNE RADIOACTIVITY

(ALPHAS UNLESS OTHERWISE NOTED)

DATE 13 Y

BLDG.	ROOM <i>Site</i>	SITE NO.	SAMPLING DATE AND TIME		TOTAL HOURS.	CFM	READINGS - DATE AND TIME		Dkgs 1st	Dkgs 2nd	REMARKS
			START	STOP			1ST	2ND			
75-113	1436	U	0716 7-10-56	0739 7-11-56			0918 7-11 54	1055 7-13 27	23	22	
	"	F					0920 7-11 49	1047 7-13 28	"	"	
	"		0800 7-10-56	0800 7-11-56			0925 7-11 123	1112 7-13 30	"	"	
75-113A	1437	U	0739 7-11-56	0714 7-12-56			0752 7-11 50	1048 7-16 27	19	19	
	"	F					0755 7-12 36	1038 7-16 26	"	"	
	"		0800 7-11-56	0800 7-12-56			0838 7-12 107	1128 7-16 29	"	"	
75-113B	1438	U	0714 7-12-56	0710 7-13-56			0749 7-12 50	1106 7-16 27	22		
	"	F					0750 7-12 51	1056 7-16 24	"	"	
	"		0800 7-12-56	0800 7-13-56			0835 7-13 104	1119 7-16 25	"	"	
	"		0800 7-13-56	0920 7-14-56			0909 7-14 31	1014 7-18 26	19	22	
	"		0920 7-14-56	0900 7-15-56			0845 7-16 39	0923 7-17 27	"	23	
75-113C	1439	U	0710 7-15-56	0730 7-16-56			0825 7-15 67	0924 7-16 28	2	22	
	"	F					0848 7-16 68	0931 7-16 32	"	"	
	"		0900 7-15-56	0800 7-16-56			0836 7-16 88	1023 7-18 28	"	"	
75-113D	1440	U	0742 7-16-56	0736 7-17-56			0826 7-17 60	0914 7-19 26	23	23	
	"	F					0823 7-17 65	0926 7-19 26	23	"	
	"		0800 7-16-56	0800 7-17-56			0831 7-17 129	0929 7-19 28	23	"	
75-113E	1441	U	0736 7-17-56	0725 7-18-56			0759 7-17 164	0855 7-20 26	22	21	OPERATION 8/1/53
	"	F					0802 7-18 138	0901 7-21 30	22	21	
	"		0800 7-17-56	0800 7-18-56			0846 7-18 210	0915 7-20 32	22	21	
75-113F	1442	U	0725 7-18-56	0726 7-19-56			0805 7-19 122	1010 7-23 26	23	22	
	"	F					0804 7-19 88	" 7-23 25	23	"	
	"		0800 7-18-56	0800 7-19-56			0819 7-19 139	1025 7-23 26	23	"	
75-113G	1443	U	0730 7-19-56	0730 7-20-56			0730 7-20 82	1050 7-23 29	21	"	
	"						0735 7-20 47	" 7-23 25	21	"	
	"		0800 7-19-56	0800 7-20-56			0800 7-20 101	1030 7-23 24	"	"	

# AIRBORNE RADIOACTIVITY

(ALPHAS UNLESS OTHERWISE NOTED)

DATE BY

BLDG.	ROOM	SITE NO.	SAMPLING DATE AND TIME		TOTAL HOURS.	CFM	READINGS - DATE AND TIME		Bkg'd * 1st	Bkg'd 2nd	REMARKS	
			START	STOP			1ST	2ND				
70-143A	1429	U	6-28 0815	6-29 0815			6-28 1230	7-3 0853	36	23		
	"	F	"	"			0840	91	0855	35	"	
			0745	0830			0842	119	0857	33	"	
70-143A	1430	U	6-29 0815	7-2 0845			7-2 0845	1049 7-5	103	34	26	23
"	"	F	"	"			0849	170	1056 7-5	39	"	"
			6-29 0815	6-30 1230			0852	256	1107 7-5	27	"	"
			6-30 1320	7-1 1245			0855	40	1114 7-5	28	"	"
			7-1 1412	7-2 1430			0855	77	1121 7-5	20	"	"
70-143A	1431	U	7-2 0815	7-3 0815			7-3 0842	1130 7-5	80	24	20	"
		F	"	"			0844	78	1138 7-5	23	"	"
			0800	0900			0846	89	1145 7-5	30	"	"
70-143A	1432	U	0815 7-3-52	0823 7-5-52			0902 7-5	0932 7-9	78	32	23	22
	"	F	"	"			0905 7-5	0941 7-9	73	33	"	"
			0800 7-3-52	1130 7-3-52			0912 7-5	0957 7-9	30	24	"	"
70-143A	1433	U	0813 7-5-52	0806 7-6-36			0844 7-6	0913 7-9	59	31	"	"
	"	F	"	"			0847 7-6	0922 7-9	54	27	"	"
			0840 7-5-36	0800 7-6-36			0854 7-6	1021 7-9	82	25	"	"
			0800 7-6-52	0845 7-7-52			0853 7-5	0929 7-10	26	25	22	"
			0845 7-7-52	0900 7-8-31			0846 7-9	0939 7-10	43	31	"	"
70-143A	1434	U	0806 7-6-52	0731 7-9-33			0801 7-9	1034 7-11	45	27	"	23
	"	F	"	"			0804 7-9	1028 7-11	44	29	"	"
			0900 7-8-52	0800 7-9-52			0843 7-9	1050 7-11	67	29	"	"
70-143A	1435	U	0731 7-9-52	0716 7-10-32			0754 7-9	0910 7-12	60	28	22	19
	"	F	"	"			0757 7-9	0920 7-12	56	25	"	"
			0800 7-9-31	0800 7-10-36			0851 7-10	0950 7-12	105	28	"	"

# AIRBORNE RADIOACTIVITY

(ALPHAS UNLESS OTHERWISE NOTED)

DATE 3/8

BLDG.	ROOM	SITE NO.	SAMPLING DATE AND TIME		TOTAL HOURS.	CFM	READINGS - DATE AND TIME		BKAD 1ST	BKAD 2ND	PATI REMARKS
			START	STOP			1ST	2ND			
70-183A	1421	U	0735 6-19-54	0745 6-20-54		U	0831 6-20 103	6-20 0920 35	25	25	
		F	"	"			0826 6-20 56	0920 34	4	"	
		V2	"	"			0837 6-20 76	0930 35	4	"	
			0805 6-20-54	0815 6-20-54			0855 6-20 162	0940 29	"	"	
70-183A	1423	U	0746 6-20-54	0735 6-21-54			0820 6-21 102	0945 30	23	"	
		F	"	"			0825 6-21 90	0945 29	"	"	
		V2	"	"			0833 6-21 104	0950 33	"	"	
			0810 6-20-54	0820 6-21-54			0836 6-21 167	0920 27	"	"	
70-183A	1424	U	0735 6-21-54	0700 6-22-54			0751 6-22 97	0915 28	25	"	
		F	"	"			0754 6-22 90	0915 30	"	"	
		V2	"	"			0757 6-22 110	1000 35	"	"	
			0820 6-21-54	0830 6-22-54			0842 6-22 211	1000 35	"	"	
70-183A	1425	U	0700 6-22	0825 6-25			0915 6-25 127	6-27 0912 45	20	"	
		F	"	"			0920 6-25 113	0915 40	"	"	
		V2	"	"			0922 6-25 160	0918 44	"	"	
H-6			2115 6-22	1045 6-24			1010 6-22 35	6-26 1025 27	"	25	
"			1045 6-24	0800 6-25			1015 6-24 80	6-27 0920 30	"	"	
70-183A	1426	U	0820 6-25	0815 6-26			0835 6-26 177	6-28 0905 40	25	23	
70-183A	"	F	"	"			0840 6-26 233	0907 31	"	"	
HPC			0800 6-25	0730 6-26			0845 6-25 117	0910 39	"	"	
70-183A	1427	U	0815 6-26	0815 6-27			6-27 0845 213	0845 36	"	"	
70-183A	"	F	"	"			0845 6-26 190	0847 25	"	"	
H-6			5100 6-26	0740 6-27			0900 6-26 147	0847 37	"	"	
70-183A	1428	U	6-27 0815	6-28 0815			6-28 0850 132	7-3 0847 41	23	20	
"		F	"	"			0852 6-27 105	0849	"	"	
H-6			0740 6-27	0745 6-28			0814 6-27 173	085	"	"	

# AIRBORNE RADIOACTIVITY

(ALPHAS UNLESS OTHERWISE NOTED)

DATE 30

BLDG.	ROOM	SITE NO.	SAMPLING DATE AND TIME		TOTAL HOURS	CFM	READINGS - DATE AND TIME		Dk <sub>2</sub>	R <sub>2</sub>	RATIO	REMARKS
			START	STOP			1ST	2ND				
70-132	1416	U	0745 6-12-52	0736 6-12-52		4	0817 6-12 75	1005 6-15 34	24	21		
		F					0821 6-15 61	1015 6-15 28	"	"		
		U2					0824 6-15 64	1029 6-15 35	"	"		
			0800 6-12-52	0800 6-12-52			0829 6-12 154	1055 6-15 35	"	"		
		U	0730 6-12-52				0832 6-12 44	1132 6-12 28	19	23		
		U					0833 6-12 44	1134 6-12 26	"	"		
		U					0834 6-12 44	1205 6-12 24	"	"		
		U						1222 6-12 26	"	"		
70-122	1412	U	0703 6-12-52	0727 6-12-52			0826 6-12 107	1318 6-12 30	21			
		F	"	"			0828 6-12 58	1336 6-12 28	1			
		U2	"	"			0831 6-12 85	1330 6-12 34	"			
			0800 6-12-52	0815 6-12-52			0837 6-12 160	1344 6-12 37	"			
70-132	1419	U	0727 6-12-52	1700 6-12-52				1047 6-12 23				
		F						1054 6-12 26				
		U2						1101 6-12 27				
			0806 6-12-52	0730 6-12-52			0838 6-12 41	0830 6-12 41	23	"		
			0920 6-12-52	1010 6-12-52			0843 6-12 68	1023 6-12 31	"	25		
70-132	1420	U	1700 6-12-52	0730 6-12-52			0821 6-12 155	1021 6-20 56	"	"		
		F					0815 6-12 91	1010 6-20 37	"	"		
		U2					0824 6-12 112	1043 6-20 52	"	"		
			1016 6-12-52	0730 6-12-52			0838 6-12 171	1103 6-20 33	"	"		
70-132	1421	U	0730 6-12-52	0730 6-12-52			0814 6-12 55	1025 6-21 31	22	23		
		F					0822 6-12 44	1035 6-21 29	"	"		
		U2					0825 6-12 51	1040 6-21 27	"	"		
			0806 6-12-52	0800 6-12-52			0828 6-12 58	1054 6-21 28	25	"		

# AIRBORNE RADIOACTIVITY

(ALPHAS UNLESS OTHERWISE NOTED)

DATE \_\_\_\_\_

BLDG.	ROOM	SITE NO.	SAMPLING DATE AND TIME		TOTAL HOURS.	CFM	READINGS - DATE AND TIME		Bkgd 1st	Bkgd 2nd	REMARKS
			START	STOP			1st	2nd			
			0810 6-7	112 29			0945 6-7	23	21		
			0814 6-7	65 25			0914 6-7		4		
			0818 6-7	63 26			1004 6-7		4		
			0822 6-7	66 31			1036 6-7		4		
	1411	U	0828 6-8	72 25			1034 6-8	22	24		
		F	0832 6-8	47 27			1046 6-8		4		
		U2	0837 6-8	66 31			1052 6-8		4		
			0842 6-8	150 31			1101 6-8		4		
	1412	U	0815 6-7	100 33			1124 6-7	21	22		
		F	0818 6-7	61 31			1136 6-7		4		
		U2	0821 6-7	85 32			1141 6-7	4	4		
			0828 6-7	213 29			1152 6-7		4		
		U	0811 6-8	142 32			1236 6-8	24	22		
		F	0815 6-8	80 26			1231 6-8		4		
		U2	0818 6-8	121 41			1234 6-8		4		
			0825 6-8	260 34			1237 6-8		4		
			1020 6-11	50 43			1415 6-11	26	26		
			1648 6-11	53 42			1434 6-11		4		
		U	0822 6-11	187 89			0828 6-11		24	7-2 0900 46	
		F	0825 6-11	92 36			0827 6-11		4	" " 36	
		U2	0833 6-11	222 162			1121 6-11	22	22	" " 22	
			1037 6-11	115 34			1048 6-11	26	24		
		U	0826 6-11	114 39			1416 6-11	22	20		
		F	0830 6-11	71 27			1417 6-11		4		
		U2	0839 6-11	186 37			1448 6-11		26		

# AIRBORNE RADIOACTIVITY

(ALPHAS UNLESS OTHERWISE NOTED)

DATE       

BLDG.	ROOM	SITE NO.	SAMPLING DATE AND TIME		TOTAL HOURS.	CFM	READINGS - DATE AND TIME		BKGD. 1ST	ENV. 2ND	REMARKS
			START	STOP			1ST	2ND			
						4	1029 F-30	73	22	20	
							1039 F-30	63			
							1048 F-30	79			
							1100 F-30	44			
							0930 F-31	36	25	23	
							0940 F-31	27			
							0950 F-31	36			
							1030 F-31	36			
							0945 F-30	72	20	20	
							0949 F-30	60			
							0952 F-30	70			
							1005 F-30	50	23		
							0955 F-30	64		25	
							0958 F-30	58			
							1102 F-30	41			
							0950 F-31	122	23		
							0800 6-1	82	24		
							0803 6-1	54			
							0806 6-1	75			
							0845 6-1	193			
							0821 6-1	99	25	22	
							0824 6-1	78			
							0828 6-1	54			
							0846 6-1	140			
							0855 6-1	57		23	
							0859 6-1	64			

# AIRBORNE RADIOACTIVITY

(ALPHAS UNLESS OTHERWISE NOTED)

DATE           

BLDG.	ROOM	SITE NO.	SAMPLING DATE AND TIME		TOTAL HOURS.	CFM	READINGS - DATE AND TIME		BKGR 1"	BKGR 2"	REMARKS
			START	STOP			1ST	2ND			
	A	U	0731	0800			90	31	23	21	
							77	31	2	6	
							37			4	
							30		6	4	
							45	—	21	—	
							67	54	21	24	
							136	105			
							78			4	
							144	139		1	
			1000					54		—	
								16		21	
								28		6	
								26		—	
			0730	0800			28	35	6	4	
		U	0717	0800			71	34	76	21	
		F					58	31		—	
		U					81	38		—	
							131	35		—	
		U	0721	0800			72	39		22	
		F					74	37		—	
								51		—	
			0830	0900			140			—	
7-1132	1403	U	0730	0800			137	39	26	—	
		F					108	35		—	
		UL					136	32		—	
	1406		0800	0900			274			—	
			0745	0800			40	—	26	—	
			1440	0900			59	36	71	4	

# AIRBORNE RADIOACTIVITY

(ALPHAS UNLESS OTHERWISE NOTED)

DATE 3<sup>rd</sup>

BLDG. <small>Room</small>	SITE ROOM	SITE NO.	SAMPLING DATE AND TIME		TOTAL HOURS.	CFM	READINGS - DATE AND TIME		Bkg d 1st	Bkg d 2nd	REMARKS
			START	STOP			1ST	2ND			
	1392	U	0719 5-9-52	0745 5-10-52			0830 5-10 60	0745 5-10 45	24	25	
		F	"	"			0830 5-10 55	1015 5-10 45	"	"	
		UL	"	"			0845 5-10 67	1015 5-10 47	"	"	
			0800 5-9-52	0830 5-10-52			0845 5-10 147	1015 5-10 58	"	"	
	1393	U	0730 5-11-52	0755 5-11-52			0830 5-11 61	1015 5-11 30	25	"	
		F	"	"			0830 5-11 55	1015 5-11 30	4	"	
		UL	"	"			0830 5-11 63	1015 5-11 35	"	"	
			0800 5-11-52	0830 5-11-52			0830 5-11 55	1015 5-11 33	25	"	
			0730 5-11-52	0800 5-11-52			0830 5-11 58	1015 5-11 38	"	"	
	1394	U	0738 5-14-52	0800 5-14-52			0830 5-14 128	1015 5-14 61	"	22	
		F	"	"			0830 5-14 92	1015 5-14 55	"	"	
		UL	"	"			0830 5-14 132	1015 5-14 73	"	"	
			0830 5-14-52	0900 5-14-52			0830 5-14 190	1015 5-14 40	"	"	
			0900 5-14-52	0930 5-14-52			0830 5-14 45	1015 5-14 30	"	21	
		UL	0735 5-14-52	0800 5-14-52			0830 5-14 55	1015 5-14 51	21	21	
		F	"	"			0830 5-14 58	1015 5-14 48	"	"	
			"	"			0830 5-14 51	1015 5-14 51	"	"	
			0735 5-14-52	0800 5-14-52			0830 5-14 51	1015 5-14 51	"	"	
	1395	F	0745 5-14-52	0800 5-14-52			0830 5-14 200	1015 5-14 63	22	23	
			"	"			0830 5-14 150	1015 5-14 52	"	"	
		UL	"	"			0830 5-14 55	1015 5-14 89	"	"	
	1396		0730 5-14-52	0800 5-14-52			0830 5-14 319	1015 5-14 52	"	"	1500 5-14-52
	1397	U	0740 5-16-52	0751 5-16-52			0830 5-16 221	1015 5-16 60	23	21	
		F	"	"			0830 5-16 165	1015 5-16 52	"	"	
		UL	"	"			0830 5-16 231	1015 5-16 61	"	"	
			0800 5-16-52	0830 5-16-52			0830 5-16 335	1015 5-16 45	"	"	

# AIRBORNE RADIOACTIVITY

(ALPHAS UNLESS OTHERWISE NOTED)

DATE 11/11

BLDG.	ROOM	SITE NO.	SAMPLING DATE AND TIME		TOTAL HOURS.	CFM	READINGS - DATE AND TIME		Bkgd	Bkgd	REMARKS
			START	STOP			1ST	2ND			
			0710 5-1-36	0715 5-1-36			0710 5-1-36 130	0715 5-1-36 63	23	21	
							0715 5-1-36 75	0730 5-1-36 58	"	"	
							0720 5-1-36 11	0730 5-1-36 73	"	"	
			0720 5-1-36	0730 5-1-36			0720 5-1-36 110	0730 5-1-36 47	"	"	
							0725 5-1-36 4	0730 5-1-36 36	2	23	
							0730 5-1-36 21	0735 5-1-36 41	"	23	
			0730 5-1-36	0735 5-1-36			0730 5-1-36 32	0735 5-1-36 32	"	"	
			0735 5-1-36	0740 5-1-36			0735 5-1-36 10	0740 5-1-36 44	21	26	
							0740 5-1-36 10	0745 5-1-36 31	"	"	
							0745 5-1-36 115	0750 5-1-36 45	"	"	
	270		0745 5-1-36	0750 5-1-36			0745 5-1-36 39	0750 5-1-36 39	26	"	
	270A		0750 5-1-36	0755 5-1-36			0750 5-1-36 44	0755 5-1-36 34	23	23	
							0755 5-1-36 10	0800 5-1-36 31	"	"	
							0755 5-1-36 10	0800 5-1-36 32	"	"	
							0755 5-1-36 54	0800 5-1-36 34	26	"	
			0755 5-1-36	0800 5-1-36			0755 5-1-36 10	0800 5-1-36 43	26	24	
							0755 5-1-36 10	0800 5-1-36 34	16	"	
							0755 5-1-36 10	0800 5-1-36 47	26	"	
			0755 5-1-36	0800 5-1-36			0755 5-1-36 10	0800 5-1-36 27	26	"	
1150	110	U	0755 5-1-36	0800 5-1-36			0755 5-1-36 91	0800 5-1-36 7	23	"	
		F					0800 5-1-36 60	0805 5-1-36 72	"	"	
		U2					0800 5-1-36 106	0805 5-1-36 33	"	"	
	105		0800 5-1-36	0805 5-1-36			0800 5-1-36 67	0805 5-1-36 43	24	"	
	107	U	0800 5-1-36	0805 5-1-36			0800 5-1-36 86	0805 5-1-36 41	"	25	1.6
		F					0805 5-1-36 10	0810 5-1-36 35	"	"	
		U1					0810 5-1-36 10	0815 5-1-36 47	"	"	
	110		0810 5-1-36	0815 5-1-36			0810 5-1-36 10	0815 5-1-36 43	"	"	

DATE 3/28

**AIRBORNE RADIOACTIVITY**  
 BACK (ALPHAS UNLESS OTHERWISE NOTED)

BLDG.	ROOM	SITE NO.	SAMPLING DATE AND TIME		TOTAL HOURS.	CFM	READINGS - DATE AND TIME		COUNT RATE	REMARKS	
			START	STOP			1ST	2ND			
			0700		72	4	0801 140	59	21	23	2.5
		F					0805 118	51	"	"	
	1372	U	0700	0715			0912 113	39	23	25	1.0
		F					0805 105	35	"	"	
	1373	U	0728	0740			0844 175	60	23	24	
		F					0804 155	58	"	"	
	1374	U	0700	0718			0826 133	63	25	22	
		F					0829 94	52	"	"	
	1375	U	0748	0766			0912 124	54	24	4	
		F					0800 124	45	"	"	
			0700	0715			0814 131	101	22	23	
		F					0812 100	86	20	20	
	1377	U	0747	0755			0831 54	27	23	20	
		F					0810 53	28	23		
			0700	0715			0810 108	45	23	26	1.0
							0827 92	44	20	2	
	1378	U	0700	0715			0906 71	44	24	24	
							0815 63	46	"	"	
			0700	0715			0910 116	30	26		
	1381	U	0734	0750			0822 119	88	24	24	
		F					0816 114	72	20	"	
	1382	U	0747	0755			0912 109	45	23	22	
		F					0804 77	39	"	"	
			0700	0715			0810 75	40	23	23	
							0812 50	39	"	"	
			0700	0715			0924 61	61	23	21	
							0812 53	53	"	"	