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UNIVERSITY OF CALIFORNIA

RADIATION LABORATORY
BERKELEY 4, CALIFORNIA
Bldg. 4, Rm. 203

AIR MAIL

Jan. 26, 1959
MDT-56-59

CONFIRMATION OF TELETYPE SENT 2:20 PM THIS DATE

Dr. G. L. Dunham
Division of Biology and Medicine
U.S.A.E.C.
Washington 25, D.C.

Daily filter samples of outdoor air dusts collected during the period January 13 to 23rd and stored 48 hours or more exhibit beta-gamma activity 6 to 13 times background, further estimated at 12 to 26 micro micro curies per cubic meter, peaking at January 15th. Similar data obtained at our Livermore site.

A. D. Thaxter
Health Chemistry

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MDT/cg
cc: Biophysics Branch, DEM, USAEC, Wash, DC
SFOO-AEC, Mr. Rod Southwick
Mr. Dan Wilkes, 101 Sproul Hall, Campus

Bcc: MDT
Teletype Ofc, B. 29, R. 208

LT

RF

off

	th	
13		
14		280
15		470
16		193
19	3 day	361
20		100
21		102
22		15
23		101

79

$2.18 \times 10^{-2} \mu\text{C/m}^2$

$2.18 \times 10^{-2} \mu\text{C/m}^2$

~~$2.18 \times 10^{-2} \mu\text{C/m}^2 = \mu\text{C/m}^2$~~

$2.18 \times 10^{-2} \mu\text{C/m}^2$

$2.18 \times 10^{-2} \mu\text{C/m} = \mu\text{C} / (6.8 \times 168 \text{ m}^2)$

1180

1140 m³

$2.18 \times 10^{-2} \mu\text{C/m}^2 \times 1140 = \mu\text{C/m}^3$

79

$\frac{227}{44} = 5.15$

$2.18 \times 10^{-2} \mu\text{C/m}^2 \times 1140 = 24.85 \mu\text{C/m}^3$

2. Data from UCRL-Livermore, 1958

(a) Samples on-site; location Building 125 intake

0830, 10/14	163.1	508(0,6);	23(48,0);	10(>630,0)	1262(0,4);	24(48,0);
0830, 10/15			1.24	0.97	0(>630,0)	
0830, 10/15	163.1	544(0,6);	29(48,0);	34(>630,0)	1249(0,4);	34(48,0);
0830, 10/16			1.83	3.4 3.31	0(>630,0)	
0830, 10/16	163.1	1349(0,6);	46(72,0);	30(>630,0)	3765(0,4);	12(72,0);
0830, 10/17			1.48	2.92	0(>630,0)	
0830, 10/17	163.1	342(0,6);	37(48,0);	36(630,7)	873(0,4);	17(48,0);
0830, 10/18			3.61	3.51	0(630,14)	
0830, 10/18	326.2	566(0,6);	276(48,0);	126(582,9)	757(0,4);	24(48,0);
0830, 10/20			13.45	6.14	0(582,11)	
0830, 10/20	163.1	583(0,6);	288(48,0);	149(558,4)	1137(0,4);	30(48,0);
0830, 10/21			22.23	14.52	0(558,6)	
0830, 10/21	169.8	1174(0,6);	275(48,0);	168(534,0)	3465(0,4);	63(48,0);
0930, 10/22			27	15.73	0(534,2)	
0930, 10/22	156.3	377(0,26);	55(98,0)		665(0,24);	6(98,0)
0830, 10/23			9.11	6.3		
0830, 10/23	163.1	956(0,6);	59(72,0)		3255(0,4);	2(72,0)
0830, 10/24			5.75		0(509,56)	
0830, 10/24	163.1	886(0,6);	154(48,0);	80(461,52)	2665(0,4);	35(48,0);
0830, 10/25			15.01	7.50	6(461,53)	
0830, 10/25	326.2	1312(0,6);	273(48,0);	170(413,46)	3548(0,4);	65(48,0);
0830, 10/27			13.31	8.29	0(413,47)	
0830, 10/27	163.1	935(0,6);	96(48,0);	40(389,41)	2658(0,4);	42(48,0);
0830, 10/28			9.36	3.90	0(389,42)	
0830, 10/28	163.1	1553(0,6);	286(48,0);	80(365,37)	5096(0,4);	75(48,0);
0830, 10/29			27.88	7.80	0(365,35)	
0830, 10/29	163.1	1494(0,6);	235(104,0);	154(341,28)	4147(0,4);	0(104,0)
0830, 10/30			22.91	15.01		