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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. C. 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.

M. D. Thaxter
Health Chemistry

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

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

L[illegible]

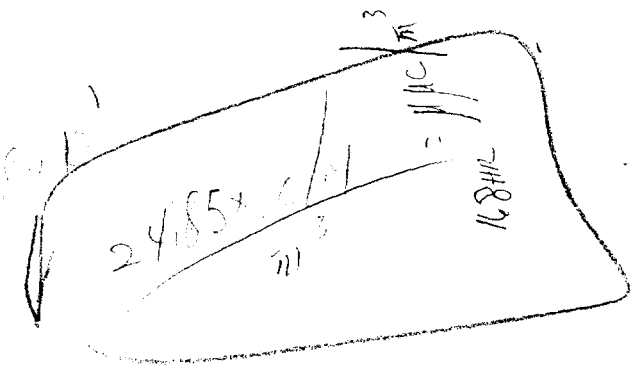
off 13th	
14	280
15	[illegible]
16	193
19 3 day —	361
20	100
21	102
22	95
23	101

2.18×10^{-2} vc/m = factor

2.18×10^{-2} vc/m = 1140 m³ / 6.8 × 168 m³

1140 m³

2.18×10^{-2} vc/m × 1140 = 1140 m³



2. Data from UCRL-Livermore, 1958

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

0830, 10/14 0830, 10/15	163.1	503(0,6);	23(48,0); 1.24	10(>630,0) 0.97	1262(0,4); 24(48,0); 0(>630,0)
0830, 10/15 0830, 10/16	163.1	544(0,6);	29(48,0); 1.83	34(>630,0) ~~5.42~~ 3.31	1249(0,4); 34(48,0); 0(>630,0)
0830, 10/16 0830, 10/17	163.1	1349(0,6);	46(72,0); 4.48	30(>630,0) 2.92	3765(0,4); 12(72,0); 0(>630,0)
0830, 10/17 0830, 10/18	163.1	342(0,6);	37(48,0); 3.61	36(630,7) 3.51	873(0,4); 17(48,0); 0(630,14)
0830, 10/18 0830, 10/20	326.2	566(0,6);	276(48,0); 13.45	126(582,9) 6.14	757(0,4); 24(48,0); 0(582,11)
0830, 10/20 0830, 10/21	163.1	583(0,6);	288(48,0); 22.23	149(558,4) 14.52	1137(0,4); 30(48,0); 0(558,6)
0830, 10/21 0930, 10/22	169.8	1174(0,6);	275(48,0); 15.75	168(534,0) 15.73	3465(0,4); 63(48,0); 0(534,2)
0930, 10/22 0830, 10/23	156.3	377(0,26);	55(98,0) 9.11		665(0,24); 6(98,0)
0830, 10/23 0830, 10/24	163.1	956(0,6);	59(72,0) 5.75		3255(0,4); 2(72,0) 0(509,56)
0830, 10/24 0830, 10/25	163.1	886(0,6);	154(48,0); 15.01	80(461,52) 7.80	2665(0,4); 35(48,0); 6(461,53)
0830, 10/25 0830, 10/27	326.2	1312(0,6);	273(48,0); 13.31	170(413,46) 8.29	3548(0,4); 65(48,0); 0(413,47)
0830, 10/27 0830, 10/28	163.1	935(0,6);	96(48,0); 9.36	40(389,41) 3.90	2658(0,4); 42(48,0); 0(389,42)
0830, 10/28 0830, 10/29	163.1	1553(0,6);	286(48,0); 27.88	80(365,37) 7.80	5096(0,4); 75(48,0); 0(365,35)
0830, 10/29 0830, 10/30	163.1	1494(0,6);	235(104,0); 22.91	154(341,28) 15.01	4147(0,4); 0(104,0)