

Memo to 1956 "Redwing" file (U. S. fallout) ✓

402549

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From: M. Thaxter

Summary:

1. Radiological monitoring of outdoor air both on and offsite from April 15, 1956 thru August 3, 1956 at UCRL Berkeley and UCRL Livermore indicated at no time fallout of radioactive substances approaching 5 times background (as defined in our letter NBG-266-56 of Feb. 20, 1956 addressed to C. L. Dunham AEC, Washington, D.C.)
2. Monitoring of gamma dose levels at 3 feet above an outdoor horizontal surface indicated no long-lived fallout of 5 x background during the period April 15, 1956 thru July 18, 1956, although unexplained short term (24 - 48 hour) variations exceeding this were occasionally observed.

MDT/eg

cc: NBG-EN

DEM

MDT

M. Thaxter

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MDT/eg

cc: NBG-EN
DBM
MDT ✓

evenings include 1 = PM PDT

Background Readings

Re: PPG Tests May 1955

FHB	Route to:	JSL
JEB		EN
HJB	AUG 13 1955	RJO
RJB		WDP
NBG	RCC	WGR
CLL	MDT WAS	AES

NIC = Nuclear Dust And Chemical Corp

Date - Location	Time	Count/min	Remarks
	5/3		
	5/4	80	.025 sunny clear
	5/5	42	.015 overcast
	5/6		No reading
	5/7	80	.025 day sunny
	5/8		No reading
	5/9	32	.01 overcast
	5/10		No reading
NIC # 1021	5/11	31	.01 sunny clear
"	5/12 WC	20	.005 "
"	5/13 WC	24	.01 strong SE breeze
"	5/14 B	26	.01 sunny clear
		33	.02
		28	.015
"	5/15 B	33	.015 sunny clear

Data specific for the nuclear meter as numbered at 3 ft. from the ground in front of Box 70 facing the Golden Gate.

B = Berkeley
WC = Walnut Creek
(some readings were taken at home on week-ends)

Aluminum Tube unless otherwise noted

Meter checked each day against same 10 mR source.

mR/hr are approx. averages read by eye.

Each set of readings was taken during consecutive minute intervals.

#	Date	c/m	mk/m	Notes
#150	5/27 ^B _{1:30}	36	.02	Sunny
		32	.02	clear
		32	.02	west wind

#150	5/28 ^B _{1:30}	30	.02	Sunny
		45	.03	clear
		36	.015	St. west
		40	.015	brly
		44	.03	

#150	5/29 ^B _{3:20 PM}	34	.02	Sunny
		40	.025	Strong
		36	.025	west wind

5/30 No reading

5/31 No reading

#150	6/1 ^B _{1:30}	123	.06	Sunny
		94	.06	Hazy
		100	.07	St.
		99	.06	Breeze
		113	.07	0.1 Max Surge

#150	6/1 ^B _{4:30}	93	.05
		97	.06
		111	.06

NIC	Date	c/m	mk/m	Notes
#101	5/16 ^B	36	.015	Sunny - clear slight haze

~~5/16 H Bomb Street 6:10 AM PDT~~

#7007	5/17	35	.015	Sunny, clear slight haze
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5/18 No reading

#7804	5/19 ^{WC} _(4:30 PM)	32	.015	Sunny, clear strong south wind
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#7804	5/20 ^{WC} _{2:20 PM}	22	.01	Sunny, clear gentle west wind
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5/20 H Bomb Street @

#150	5/21 ^B _{2:30}	21	.02	Sunny, clear gentle west wind
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#150	5/21 ^B _{2:42}	22	.015	
#150	5/21 ^B _{2:50}	22	.015	
#150	5/21 ^B _{3:00}	25	.015	

Aluminum Tube

#150	5/22 ^B _{2 PM}	40	.02	Cloudy, cold
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US AEC		30	.02	St. west breeze
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No. 31240		40	.03	overcast
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#150	5/23 ^B _{1:30}	40	.02	Hazy
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		42	.03	Sunny
--	--	----	-----	-------

		38	.03	No haze
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#150	5/24 ^B _{1:30}	36	.025	Sunny
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		41	.03	St. Hazy
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		35	.025	No haze
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#150	5/25 ^B _{3 PM}	31	.02	Sunny w/ Hazy
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		31	.02	weathly breeze
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5/26 No reading

		o/p	u/p	
*	6/5	No Reading		
	6/6			
#150	6/7	B 2pm	99 .05 90 .05 101 .05	Sunny Breezy No breeze
	6/8	} No reading		
	6/9			
	6/10			
#150	6/11	B 3:45pm	99 .05 99 .06 95 .06	Clear Sunny No breeze
	6/12	} No reading		
	6/13			
	6/14			
ABC #1021	6/15	B 3pm	30 .015 32 .015 28 .015	Clear Sunny westerly breeze
24V 100W meter/amm meter 24V 0A Gloss table				
	6/16	No reading		
	6/17			
#1021	6/18	B 1:30pm	33 .01 32 .015 30 .01	Sunny Heavy westerly breeze

		o/p	u/p	
#150	6/1	WC 6:30pm	97 .06 113 .06 114 .06	Sunny Clear West breeze 0.15 max surge
#150	6/1	WC 9pm	115 .06 87 .06 91 .05	
#150	6/1	WC 11pm	101 .07	
#150	6/2	WC 10AM	111 .07	Sunny Clear
#150	6/2	WC 2PM	95 .05 98 .05 98 .05	Sunny Clear S.W. breeze 0.12 max. surge
#150	6/2	WC 7:30pm	105 .05	Sunny Clear
#150	6/3	WC 1:30pm	88 .05 92 .06 103 .06	Sunny, Clear Strong South breeze
#150	6/3	WC 9:30pm	90 .05	Strong South breeze
#150	6/4	B 2pm	98 .06 94 .06 118 .07	Sunny Clear Strong west wind.

		e/m	nr/hr	
#150	6/29	107	06	Sunny
	B 4 ^{pm}	91	05	sl. haze
		98	05	Hazy

		e/m	nr/hr	
#150	6/19 ^B	89	.05	Clear
	2 ^{pm}	100	.06	Sunny
		98	.06	Windy

#150 6/30 }
7/1 } no reading

~~#150~~ 6/20 no reading

		e/m	nr/hr	
#150	7/2	98	.04	Sunny -
	B 1 ⁴⁵	102	.04	Hazy
		113	.045	visibility 5 mi.

		e/m	nr/hr	
#150	6/21 ^B	108	.06	Sunny
	1 ⁴⁵ pm	84	.05	sl. haze
		80	.04	west
		77	.05	breeze
		89	.05	

		e/m	nr/hr	
#150	7/3	96	.04	Sunny
	B 1 ³⁰	102	.045	Hazy
		90	.04	visibility 7 mi.

6/22 }
6/23 } no reading
6/24 }
6/25 }
6/26 }

7/4 no reading

		e/m	nr/hr	
#150	7/5	107	.045	Sunny
	B 1 ⁴⁰	102	.045	clear
		101	.045	visibility 20 mi.

		e/m	nr/hr	
#150	6/27 ^B	96	05	HV, haze
	2 ^{pm}	104	06	Sunny
		126	07	v. sl. haze

Peak @ .11

		e/m	nr/hr	
#150	7/6	96	.05	Sunny
	B 1 ³⁰	104	.05	clear
		105	.05	visibility 12 mi.

		e/m	nr/hr	
#150	6/28 ^B	101	.06	HV, sunny
	3 ³⁰ pm	113	.06	sl. haze
		105	.06	no breeze

Peak @ .12

7/7 }
7/8 } no reading

		e/m	nr/hr	
#150	7/9	84	.04	Cloudy -
	B 1 ⁴⁵	75	.05	Hazy
		100	.05	overcast
				high fog -
				cont

		c/m	wr/lev	
#150	7/10 B 2 ³⁰ P	83	.05	Sunny, Hazy
		75	.04	Sl. west
		83	.05	wind

7/11 No reading

#150	7/12 B 2 ^{PM}	89	05	Warm, sunny
		87	06	Hazy in distance
		95	06	S.W. breeze

7/13 }
 7/14 } No reading
 7/15 }
 7/16 }

#150	7/17 B 2 ³⁰ P	97	.06	Sunny, Hazy
		98	.06	in distance (3mi)
		94	.06	Sl. w. breeze

#150	7/18 B 2 ^{PM}	105	.07	Cloudy -
		77	.05	Visibility ca 10mi
		107	.06	

Highest surge 0.11 m/yr.