

August 15, 1956

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

DBM

MDT

*M. Thaxter*

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evenings include (May 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 Inst. Co. & Chemical Corp.

Date - Location Time	Count/min.	W/P/W or other	Remarks
5/3			
5/4	80	.025	sunny clear
5/5	42	.015	overcast
5/6			No reading
5/7	80	.025	clear sunny
5/8			No reading
5/9	32	.01	overcast
5/10			No reading
NIC # 1024 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	consecutive readings
" 5/15 B	33	.015	sunny clear

Data specific for the nuclear meter as numbered at 3 ft. from the ground in front of OSL 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	Time	e/m	w/m/h	Notes
#150	5/27	13 <sup>00</sup>	36	.02	Sunny clear west wind
			32	.02	
			32	.02	

#	Date	Time	e/m	w/m/h	Notes
#101	5/16		36	.015	Sunny - clear slight haze <del>At Base shot at 11:20 AM PDT</del>

#150	5/28	13 <sup>00</sup>	30	.02	Sunny
			45	.03	clear
			36	.015	sl. west
			40	.015	brzy
			44	.03	

#102	5/17		35	.015	Sunny, clear slight haze
	5/18				No reading

#150	5/29	3 <sup>15</sup> PM	34	.02	Sunny
			40	.025	Hazy
			36	.025	strong west wind

#7804	5/19	4 <sup>30</sup> PM	32	.015	Sunny, clear strong south wind
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5/30 No reading

#7804	5/20	2 <sup>20</sup> PM	22	.01	Sunny, clear gentle west wind sech
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5/31 No reading

Spring #150	5/20		21	.02	Sunny, clear gentle west wind
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#150	6/1	13 <sup>00</sup>	123	.06	Sunny
			94	.06	Hazy
			100	.07	sl.
			99	.06	brzy
			113	.07	

0.1 Max Surge

Aluminum Tube	5/21		22	.015	Construction reading
			25	.015	

#150	6/1	4 <sup>30</sup>	93	.05	
			97	.06	
			111	.06	

#150	5/22	2 <sup>00</sup> PM	40	.02	Cloudy, cold, sl. west breeze overcast
US AEC No. 31246			30	.02	
			40	.03	

#150	5/23	13 <sup>00</sup>	40	.02	Hazy
			42	.03	Sunny
			38	.03	No breeze

#150	5/24	13 <sup>00</sup>	36	.025	Sunny
			41	.03	sl. Hazy
			35	.025	No breeze

#150	5/25	5 <sup>00</sup> PM	31	.02	Sunny, sl. Hazy westly breeze
			31	.02	

5/26 No reading

#	Date	Time	Temp	Humidity	Notes
#	6/5				No reading
	6/6				
#150	6/7	B 2pm	99	.05	Sunny
			90	.05	Strong breeze
			101	.05	No breeze
	6/8				No reading
	6/9				
	6/10				
#150	6/11	B 3:45pm	99	.05	Clear
			99	.06	Sunny
			95	.06	No breeze
	6/12				No reading
	6/13				
	6/14				
ABC #1021 24V E jump meter/ammeter model 2410A Serial # 481 glass tube <del>etc</del>	6/15	B 3pm	30	.05	Clear
			32	.05	Sunny
			28	.05	Windy breeze
	6/16				No reading
	6/17				
#1021	6/18	B 1:30pm	33	.01	Sunny
			32	.05	Windy breeze
			30	.01	breeze

#	Date	Time	Temp	Humidity	Notes
#150	6/1	WC 6:30pm	97	.06	Sunny
			113	.06	Clear
			114	.06	Windy 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	Sunny
			98	.05	Clear
			98	.05	St. W. breeze
				0.12	max. surge
#150	6/2	WC 7:30pm	105	.05	Sunny clear
#150	6/3	WC 1:30pm	88	.05	Sunny, Clear
			92	.06	Strong South breeze
			103	.06	breeze
#150	6/3	WC 9:30pm	90	.05	Strong South breeze
#150	6/4	B 2pm	98	.06	Sunny clear
			94	.06	Strong west wind.
			118	.07	

#	Date	Time	e/km	mo/ko	Notes
#150	6/29		107	.06	Sunny
		B 4 <sup>PM</sup>	91	.05	sl. haze
			98	.05	Hazy

#	Date	Time	e/km	mo/ko	Notes
#150	6/19		89	.05	Clear
		B 2 <sup>PM</sup>	100	.06	Sunny
			98	.06	Windy

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

~~#150~~ 6/20 No reading

#	Date	Time	e/km	mo/ko	Notes
#150	7/2		98	.04	Sunny
		B 1 <sup>PM</sup>	102	.04	Hazy
			113	.045	visibility 5 mi.

#	Date	Time	e/km	mo/ko	Notes
#150	6/21		108	.06	Sunny
		B 1 <sup>PM</sup>	84	.05	sl. haze
			80	.04	noct
			77	.05	hazy
			89	.05	

#	Date	Time	e/km	mo/ko	Notes
#150	7/3		96	.04	Sunny
		B 1 <sup>PM</sup>	102	.045	Hazy
			90	.04	visibility 7 mi.

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

#	Date	Time	e/km	mo/ko	Notes
#150	7/5		107	.045	Sunny
		B 1 <sup>PM</sup>	102	.045	Clear
			101	.045	visibility 20 mi.

#	Date	Time	e/km	mo/ko	Notes
#150	6/27		96	.05	Hot, hazy
		B 2 <sup>PM</sup>	104	.06	Sunny
			126	.07	v. sl. haze
					Peak @ .11

#	Date	Time	e/km	mo/ko	Notes
#150	7/6		96	.05	Sunny
		B 1 <sup>PM</sup>	104	.05	Clear
			105	.05	visibility 12 mi.

#	Date	Time	e/km	mo/ko	Notes
#150	6/28		101	.06	Hot, sunny
		B 3 <sup>PM</sup>	113	.06	sl. haze
			105	.06	no breeze

7/7 } No reading  
7/8 }

#	Date	Time	e/km	mo/ko	Notes
#150	7/9		84	.04	Cloudy
		B 1 <sup>PM</sup>	95	.05	Heavy
			100	.05	overcast high fog - cool

Peak @ .12

		a/m	u/m	
#150	7/10	B 2:30	83	.05
			75	.04
			83	.05

Sunny, High  
Sl. west  
wind

7/11 No reading

		B 2 PM		
#150	7/12		89	.05
			87	.06
			95	.06

Warm, sunny  
hazy in distance  
s.w. breeze

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

		B 2:30		
#150	7/17		97	.06
			98	.06
			94	.06

Sunny, High  
in distance (3mi)  
Sl. w. breeze

		B 2 PM		
#150	7/18		105	.07
			77	.05
			107	.06

Cloudy -  
Visibility ca 10mi

Highest surge 0.11 m/yr