

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

402549

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From: M. Thaxter

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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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readings under 1 = PM PBT

# Background Readings

Re: PPG Tests May 1953

FHB	Route to:	JSL
JEB		EN
HJB	AUG 13 1953	RJO
RJB		WDP
NBG	RCC	WGR
CLL	MDT WAS	AES

NIC = Nuclear Inst. Co. & Chemical Corp.

Date - Location Time	Count/min.	W/P/W	Remarks
5/5			
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 #102 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	inconsistent 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 O&K 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.

W/P/W are approx. averages read by eye.

Each set of readings was taken during consecutive minute intervals.

		c/m	in/hr	
#150	5/27 <sup>B</sup> <sub>13<sup>00</sup></sub>	36	.02	Sunny clear west wind
		32	.02	
		32	.02	
#150	5/28 <sup>B</sup> <sub>13<sup>00</sup></sub>	30	.02	Sunny
		45	.03	clear
		36	.025	S. west
		40	.025	brzy
		44	.03	
#150	5/29 <sup>B</sup> <sub>3<sup>12</sup>pm</sub>	34	.02	Sunny
		40	.025	Hazy
		36	.025	Strong west wind

5/30 No reading

5/31 No reading

#150	6/1 <sup>B</sup> <sub>13<sup>00</sup></sub>	123	.06	Sunny
		94	.06	Hazy
		100	.07	St.
		99	.06	Breeze
		113	.07	0.1 Max Surge

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

		c/m	in/hr	
#101	5/16 <sup>B</sup>	36	.015	Sunny-clear slight haze
<del>5/16 H Bomb shot 6:11 AM PDT</del>				

#1007	5/17	35	.015	Sunny-clear slight haze
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5/18 No reading

#7804	5/19 <sup>WC</sup> <sub>(4<sup>30</sup>pm)</sub>	32	.015	Sunny-clear Strong south wind
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#7804	5/22 <sup>WC</sup> <sub>2<sup>30</sup>pm</sub>	22	.01	Sunny-clear Gentle west wind south
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Strike #	5/22	H Bomb shot	20	
#150	5/21 <sup>B</sup> <sub>2<sup>30</sup></sub>		21	.02
Model			22	.015
2612			22	.015
Aluminum			25	.015
TUNE				

#150	5/22 <sup>B</sup> <sub>2<sup>pm</sup></sub>	40	.02	Cloudy, cold,
US AEC		30	.02	ill. with haze
No. 31248		40	.03	overcast

#150	5/23 <sup>B</sup> <sub>1<sup>30</sup></sub>	40	.02	Hazy-
		42	.03	Sunny-
		38	.03	no haze

#150	5/24 <sup>B</sup> <sub>1<sup>20</sup></sub>	36	.025	Sunny
		41	.03	St. Haze
		35	.025	No haze

#150	5/25 <sup>B</sup> <sub>5<sup>30</sup>pm</sub>	31	.02	Sunny w/ Haze
		31	.02	weathly haze

5/26 No reading

(1)

(1)

#	Date	Time	Temp	Humidity	Notes
#	6/5				No Reading
	6/6				
#150	6/7	B 2pm	99	.05	Sunny
			90	.05	Drizzly
			101	.05	No breeze
	6/8				No reading
	6/9				
	6/10				
#150	6/11	B 3:30pm	99	.05	Clear
			99	.06	Sunny
			95	.06	No breeze
	6/12				No reading
	6/13				
	6/14				
AEC #1021	6/15	B 3pm	30	.015	Clear
20V 100mA meter/ammeter			32	.015	Sunny
model 2610A Serial # 481			28	.015	westly breeze
Glass tube					
	6/16				No reading
	6/17				
#1021	6/18	B 1:30pm	33	.01	Sunny
			32	.015	heavy westly breeze
			30	.01	

#	Date	Time	Temp	Humidity	Notes
#150	6/6	WC 6:30pm	97	.06	Sunny
			113	.06	Clear
			114	.06	light breeze
					0.15 max surge
#150	6/1	WC 9:30am	115	.06	
			87	.06	
			91	.05	
#150	6/1	WC 11pm	101	.07	
#150	6/2	WC 10 AM	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	
#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	

		e/hm	wt/ko	
#150	6/29	107	.06	Sunny
	B 4 <sup>PM</sup>	91	.05	sl. haze
		98	.05	hazy
#150	6/30 } 7/1	no reading		
#150	7/2	98	.04	Sunny - Hazy
	B 1 <sup>45</sup>	102	.04	visibility 5 mi.
		113	.045	
#150	7/3	96	.04	Sunny Hazy
	B 1 <sup>30</sup>	102	.045	visibility 7 mi.
		90	.04	
	7/4	no reading		
#150	7/5	107	.045	Sunny clear
	B 1 <sup>45</sup>	102	.045	visibility 20 mi.
		101	.045	
#150	7/6	96	.05	Sunny clear
	B 1 <sup>30</sup>	104	.05	visibility 12 mi.
		105	.05	
	7/7 } 7/8	no reading		
#150	7/9	84	.04	cloudy - heavy
	B 1 <sup>45</sup>	75	.05	overcast
		100	.05	high fog - cool

		e/hm	wt/ko	
#150	6/19	89	.05	Clear
	B 2 <sup>15</sup> PM	100	.06	Sunny Windy breeze
		98	.06	
<del>#150</del>	6/20	no reading		
#150	6/21	108	.06	Sunny
	B 1 <sup>45</sup> PM	84	.05	sl. haze
		80	.04	west breeze
		77	.05	
		89	.05	
	6/22 } 6/23 } 6/24 } 6/25 } 6/26 }	no reading		
#150	6/27	96	.05	H.V. haze
	B 2 PM	104	.06	Sunny, w. sl. breeze
		126	.07	
		Peak @ .11		
#150	6/28	101	.06	H.V. sunny
	B 3 <sup>30</sup> PM	113	.06	sl. haze
		105	.06	no breeze
		Peak @ .12		

		c/m	u/m	
#150	7/10 <sup>B</sup> <sub>2<sup>30</sup>P</sub>	83	.05	Sunny, Hazy Sl. west wind
		75	.04	
		83	.05	
	7/11	No reading		
#150	7/12 <sup>B</sup> <sub>2<sup>PM</sup></sub>	89	.05	Warm, sunny hazy in distance s.w. breeze
		87	.06	
		95	.06	
	7/13	} No reading		
7/14				
7/15				
7/16				
#150	7/17 <sup>B</sup> <sub>2<sup>30</sup>P</sub>	97	.06	Sunny, Hazy in distance (3mi) Sl. w. breeze
		98	.06	
		94	.06	
#150	7/18 <sup>B</sup> <sub>2<sup>PM</sup></sub>	105	.07	Cloudy - visibility ca 10mi
		77	.05	
		107	.06	
		Highest surge 0.11 m/yr.		