

MAY 23 1994

Docket No. 99990081

Mr. T. Rowland  
Director  
U. S. Department of Energy, Idaho Operations  
West Valley Demonstration Project Office  
P. O. Box 191  
West Valley, NY 14171

Dear Mr. Rowland:

Subject: NRC TLD Monitoring at West Valley, First Quarter, 1994

Enclosed is a copy of the TLD monitoring results around the subject facility for the first quarter of 1994. The large value noted for Station #11 is due to the proximity of this dosimeter to a waste storage facility located at the site. Similar results have been noted for each monitoring period.

Sincerely,

**Original Signed By:**

Richard K. Struckmeyer  
Senior Radiation Specialist  
Effluents Radiation Protection Section  
Division of Radiation Safety  
and Safeguards

Enclosure:  
As Stated

cc w/encl:  
Public Document Room (PDR)  
Local Public Document Room (LPDR)  
Nuclear Safety Information Center (NSIC)  
State of New York

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9406020031 940523  
REQ1 GA999 EUSDOE  
99990081 PDR

OFFICIAL RECORD COPY

IE 07

West Valley

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bcc w/encl:

Region I Docket Room (with concurrences)

G. C. Comfort, NMSS

W. Dean, OEDO

RI:DRSS

*AKB*

Struckmeyer

05/23/94

OFFICIAL RECORD COPY

IE 07

WEST VALLEY

TLD DIRECT ENVIRONMENTAL RADIATION MONITORING RESULTS

Anneal date : 12/09/93  
 Field placement date : 01/10/94  
 Retrieval date : 03/30/94  
 Readout date : 04/19/94

Gross Monitoring Period : 132 days (12/09/93 - 04/19/94)  
 Field Monitoring Period : 80 days (01/10/94 - 03/30/94)

Transit Period : 57 days

Station Number	Distance (miles)	Direction (degrees)	Gross Exposure (mR / 143 days)	Net Exposure (mR / 90 days)
1	4.0	350	17.7 +/- 0.5 ; 2.7	15.0 +/- 0.7 ; 4.2
2	3.6	144	16.6 +/- 0.5 ; 2.5	13.8 +/- 0.7 ; 4.1
3	1.5	92	16.5 +/- 0.5 ; 2.5	13.6 +/- 0.7 ; 4.1
4	1.2	51	17.4 +/- 0.5 ; 2.6	14.7 +/- 0.7 ; 4.2
5	2.1	10	16.0 +/- 0.5 ; 2.4	13.1 +/- 0.7 ; 4.1
6	1.7	319	18.8 +/- 0.6 ; 2.8	16.3 +/- 0.7 ; 4.4
7	1.2	262	18.9 +/- 0.6 ; 2.8	16.4 +/- 0.7 ; 4.4
8	1.4	234	17.0 +/- 0.5 ; 2.6	14.3 +/- 0.7 ; 4.2
9	0.3	300	28.5 +/- 0.9 ; 4.3	27.1 +/- 1.0 ; 5.7
10	on-site	43	23.4 +/- 0.7 ; 3.5	21.5 +/- 0.9 ; 5.0
11	on-site	334	985 +/- 30 ; 148	1108 +/- 34 ; 167
12	on-site	83	48.4 +/- 1.5 ; 7.3	49.6 +/- 1.7 ; 8.7

Transit Dose = 4.4 +/- 0.3 ; 2.7

Results are reported as

Measurement +/- Random error ; Total error

(Total error = Random + Systematic)