

March 4, 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, Fourth Quarter, 1993

Enclosed is a copy of the TLD monitoring results around the subject facility for the fourth quarter of 1993. 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:

Judith A. Joustra, Chief  
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

9403140016 940304  
REG1 GA999 EUSDOE1  
99990081 PDR

OFFICIAL RECORD COPY

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West Valley

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bcc w/encl:

Region I Docket Room (with concurrences)

G. C. Comfort, NMSS

V. McCree, OEDO (OWFN 17 G21)

RI:DRSS

*AKB*

Struckmeyer

03/02/94

RI:DRSS

*Joustra*

Joustra

03/3/94

WEST VALLEY

TLD DIRECT ENVIRONMENTAL RADIATION MONITORING RESULTS

Anneal date : 09/16/93  
 Field placement date : 10/15/93  
 Retrieval date : 01/06/94  
 Readout date : 02/03/94

Gross Monitoring Period : 141 days (09/16/93 - 02/03/94)  
 Field Monitoring Period : 84 days (10/15/93 - 01/06/94)

Transit Period : 57 days

Station Number	Distance (miles)	Direction (degrees)	Gross Exposure (mR / 143 days)	Net Exposure (mR / 90 days)
1	4.0	350	21.0 +/- 0.6 ; 3.2	14.6 +/- 0.8 ; 4.7
2	3.6	144	23.5 +/- 0.7 ; 3.5	17.3 +/- 0.9 ; 5.0
3	1.5	92	Missing	No Net Data
4	1.2	51	21.9 +/- 0.7 ; 3.3	15.5 +/- 0.8 ; 4.8
5	2.1	10	25.2 +/- 0.8 ; 3.8	19.1 +/- 0.9 ; 5.2
6	1.7	319	23.1 +/- 0.7 ; 3.5	16.8 +/- 0.9 ; 5.0
7	1.2	262	22.9 +/- 0.7 ; 3.4	16.6 +/- 0.9 ; 5.0
8	1.4	234	21.9 +/- 0.7 ; 3.3	15.6 +/- 0.8 ; 4.8
9	0.3	300	36.2 +/- 1.1 ; 5.4	30.9 +/- 1.3 ; 6.7
10	on-site	43	30.9 +/- 0.9 ; 4.6	25.1 +/- 1.1 ; 6.0
11	on-site	334	1012 +/- 30 ; 152	1076 +/- 32 ; 163
12	on-site	83	63.0 +/- 1.9 ; 9.5	59.6 +/- 2.1 ; 10.7

Transit Dose = 7.4 +/- 0.4 ; 3.1

Results are reported as

Measurement +/- Random error ; Total error

(Total error = Random + Systematic)