



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION I
475 ALLENDALE ROAD
KING OF PRUSSIA, PENNSYLVANIA 19406-1415

MAR 04 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, Second Quarter, 1993

Enclosed is a copy of the TLD monitoring results around the subject facility for the second quarter of 1993. Our records indicate that due to an oversight these results were not transmitted following their preparation in July 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,

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

9403250032 940304
PDR GA999 EUSDOE
99990081 PDR

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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

03/04/94

RI:DRSS

Joustra

AKB
03/4/94

Second Quarter

1993

WEST VALLEY

TLD DIRECT ENVIRONMENTAL RADIATION MONITORING RESULTS

Anneal date : 03/21/93
Field placement date : 04/07/93
Retrieval date : 07/01/93
Readout date : 07/21/93

Gross Monitoring Period : 123 days (03/21/93 - 07/21/93)
Field Monitoring Period : 86 days (04/07/93 - 07/01/93)

Transit Period : 37 days

Station Number	Distance (miles)	Direction (degrees)	Gross Exposure (mR / 135 days)	Net Exposure (mR / 90 days)
1	4.0	350	19.3 +/- 0.6 ; 2.9	16.3 +/- 0.7 ; 4.2
2	3.6	144	21.2 +/- 0.6 ; 3.2	18.4 +/- 0.7 ; 4.4
3	1.5	92	18.4 +/- 0.6 ; 2.8	15.4 +/- 0.7 ; 4.1
4	1.2	51	19.4 +/- 0.6 ; 2.9	16.4 +/- 0.7 ; 4.2
5	2.1	10	22.9 +/- 0.7 ; 3.4	20.2 +/- 0.8 ; 4.6
6	1.7	319	20.3 +/- 0.6 ; 3.0	17.4 +/- 0.7 ; 4.3
7	1.2	262	Missing	No Net Data
8	1.4	234	19.6 +/- 0.6 ; 2.9	16.7 +/- 0.7 ; 4.2
9	0.3	300	35.0 +/- 1.0 ; 5.2	32.8 +/- 1.1 ; 6.2
10	on-site	43	29.5 +/- 0.9 ; 4.4	27.0 +/- 1.0 ; 5.5
11	on-site	324	888 +/- 26 ; 133	925 +/- 27 ; 139
12	on-site	83	98.4 +/- 3.0 ; 14.8	99.1 +/- 3.1 ; 15.7

Transit Dose = 3.7 +/- 0.3 ; 2.8

Results are reported as

Measurement +/- Random error ; Total error

(Total error = Random + Systematic)