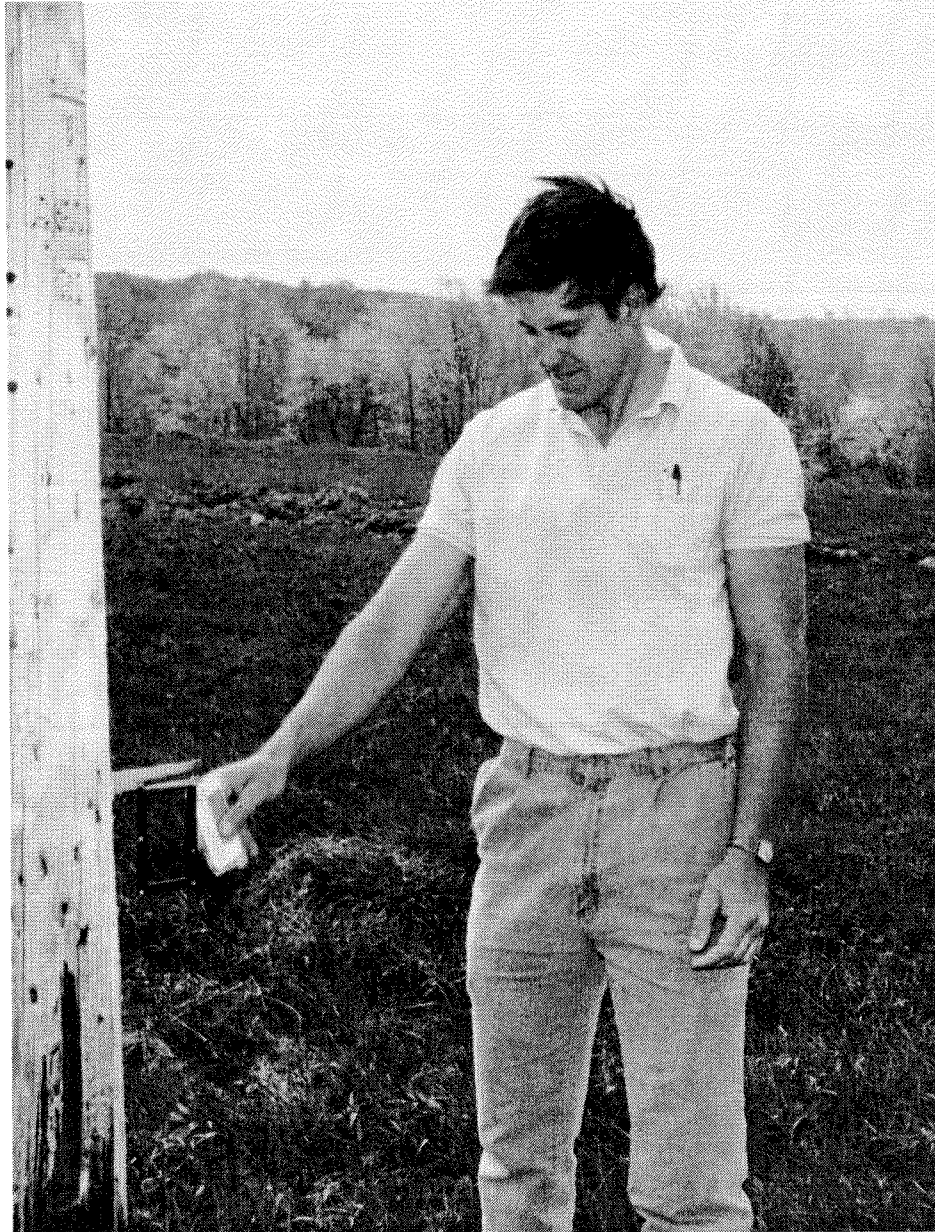


Appendix C - 4

Summary of Direct Radiation Monitoring Data



Exchanging an Environmental TLD Package

Table C - 4.1
Summary of 1993 Quarterly Averages of TLD Measurements
(Roentgen ± 3 SD/Quarter)

<i>Location Number*</i>	<i>1st Quarter</i>	<i>2nd Quarter</i>	<i>3rd Quarter</i>	<i>4th Quarter</i>	<i>Location Average</i>
1	0.016±0.003	0.020±0.003	0.022±0.001	0.025±0.003	0.021±0.003
2	0.016±0.002	0.020±0.006	0.022±0.003	0.025±0.002	0.021±0.003
3	0.016±0.003	0.019±0.003	0.020±0.004	0.024±0.005	0.020±0.004
4	0.016±0.003	0.019±0.003	0.020±0.003	0.025±0.003	0.020±0.003
5	0.015±0.003	0.020±0.005	0.024±0.003	0.025±0.004	0.021±0.004
6	0.016±0.002	0.019±0.007	0.023±0.005	0.024±0.003	0.021±0.004
7	0.015±0.003	0.020±0.004	0.019±0.003	0.023±0.005	0.019±0.004
8	0.016±0.002	0.019±0.001	0.022±0.002	0.024±0.003	0.020±0.002
9	0.015±0.003	0.019±0.004	0.020±0.003	0.023±0.002	0.019±0.003
10	0.015±0.001	0.020±0.003	0.020±0.002	0.026±0.002	0.020±0.002
11	0.017±0.004	0.022±0.003	0.022±0.003	0.026±0.003	0.021±0.003
12	0.016±0.003	0.019±0.003	0.021±0.002	0.027±0.003	0.021±0.003
13	0.017±0.002	0.022±0.004	0.023±0.005	0.027±0.006	0.022±0.004
14	0.017±0.003	0.021±0.005	0.022±0.003	0.026±0.004	0.022±0.004
15	0.014±0.004	0.019±0.003	0.019±0.002	0.025±0.003	0.019±0.003
16	0.016±0.005	0.021±0.003	0.022±0.002	0.025±0.003	0.021±0.003
17	0.017±0.002	0.021±0.002	0.021±0.001	0.027±0.002	0.022±0.002
18**	0.050±0.029	0.045±0.009	0.043±0.003	0.050±0.007	0.047±0.012
19**	0.019±0.001	0.024±0.005	0.024±0.001	0.032±0.005	0.025±0.003
20	0.016±0.001	0.020±0.004	0.019±0.003	0.025±0.005	0.020±0.003
21	0.016±0.002	0.020±0.003	0.022±0.001	0.025±0.004	0.021±0.003
22	0.016±0.005	0.020±0.003	0.021±0.003	0.026±0.008	0.021±0.005
23	0.016±0.004	0.019±0.003	0.021±0.003	0.024±0.004	0.020±0.003
24**	1.066±0.078	1.126±0.259	0.992±0.095	1.161±0.117	1.086±0.137
25	0.026±0.006	0.033±0.002	0.033±0.003	0.038±0.009	0.032±0.005
26	0.023±0.002	0.030±0.002	0.028±0.007	0.034±0.002	0.029±0.003
27	0.017±0.002	0.023±0.005	0.022±0.001	0.027±0.005	0.022±0.003
28	0.018±0.003	0.023±0.003	0.023±0.002	0.028±0.003	0.023±0.003
29	0.018±0.002	0.026±0.005	0.025±0.003	0.029±0.003	0.025±0.003
30	0.022±0.004	0.029±0.002	0.030±0.003	0.033±0.005	0.028±0.003
31	0.018±0.005	0.021±0.003	0.023±0.002	0.026±0.004	0.022±0.003
32	0.029±0.004	0.031±0.002	0.031±0.003	0.037±0.004	0.032±0.003
33	0.035±0.006	0.040±0.007	0.041±0.006	0.046±0.004	0.041±0.006
34	0.061±0.009	0.065±0.012	0.061±0.004	0.069±0.011	0.064±0.009
35	0.083±0.014	0.080±0.007	0.076±0.006	0.085±0.016	0.081±0.011
36	0.056±0.008	0.061±0.010	0.052±0.004	0.062±0.006	0.057±0.007
37	0.017±0.003	0.020±0.003	0.020±0.005	0.024±0.003	0.020±0.003
38**	0.033±0.005	0.044±0.010	0.042±0.006	0.048±0.010	0.042±0.008
39**	0.066±0.011	0.085±0.011	0.075±0.008	0.082±0.006	0.077±0.009
40**	0.173±0.018	0.211±0.020	0.187±0.011	0.231±0.025	0.200±0.018
41	0.015±0.004	0.019±0.005	0.021±0.002	0.024±0.003	0.020±0.003
Quarterly Average**	0.022±0.004	0.026±0.004	0.027±0.003	0.031±0.004	0.026±0.004

* Locations are shown on Figures A-7, A-8, and A-9.

** TLDs 18, 19, 24, 38, 39, and 40 are not included in the quarterly averages.

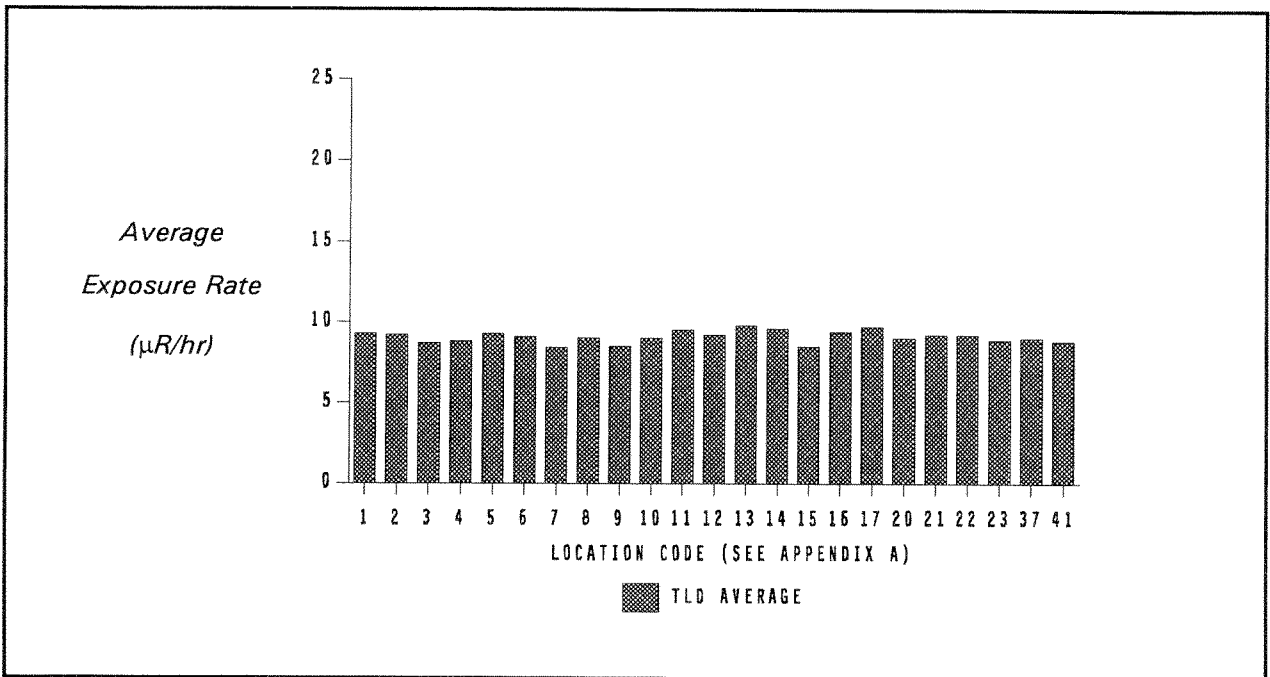


Figure C - 4.1

1993 Average Quarterly Gamma Exposure Rates around the West Valley Demonstration Project Site

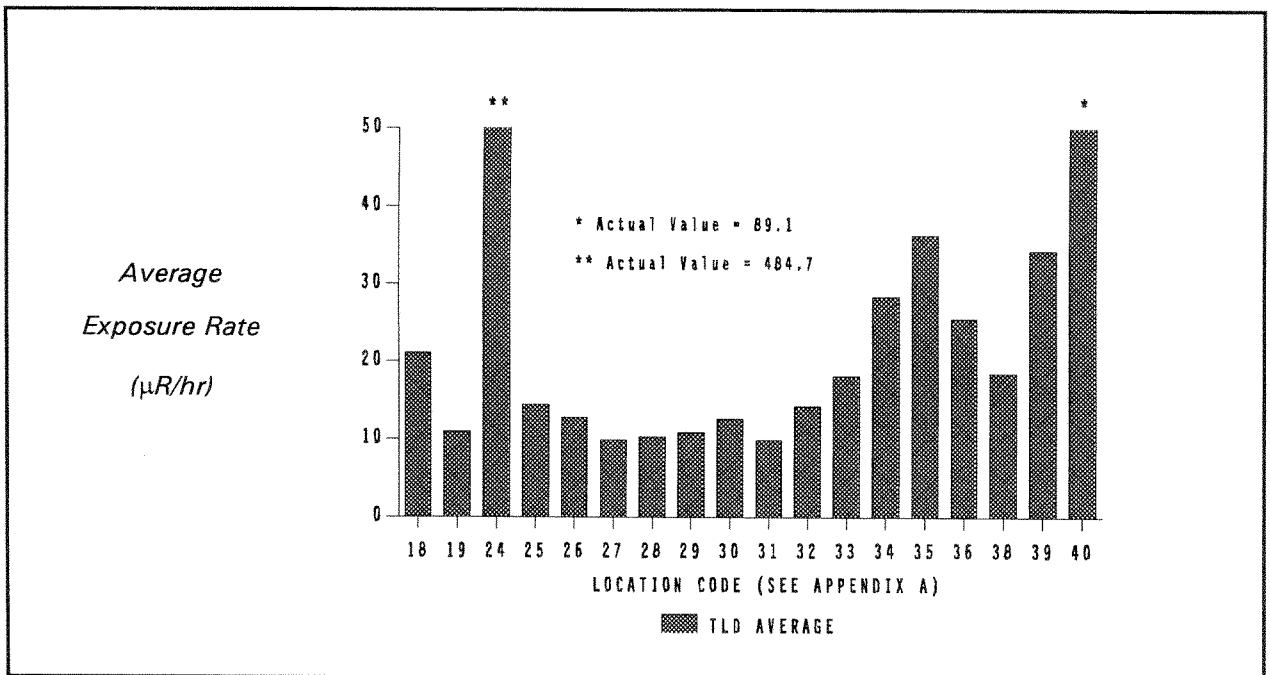


Figure C - 4.2

1993 Average Quarterly Gamma Exposure Rates on the West Valley Demonstration Project Site