

Exchanging an Environmental TLD Package



APPENDIX C - 4
Summary of Direct Radiation
Monitoring Data

Table C- 4.1

Summary of Quarterly Averages of TLD Measurements for 1990 (Roentgen \pm 3 SD/Quarter)

Location No.	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Location Av.
1	.016 \pm .004	.021 \pm .003	.022 \pm .003	.021 \pm .002	.020 \pm .003
2	.021 \pm .024	.020 \pm .003	.022 \pm .004	.022 \pm .008	.021 \pm .010
3	.017 \pm .017	.020 \pm .002	.021 \pm .004	.020 \pm .003	.019 \pm .006
4	.015 \pm .006	.019 \pm .003	.021 \pm .004	.020 \pm .003	.019 \pm .004
5	.017 \pm .007	.020 \pm .002	.023 \pm .004	.021 \pm .003	.020 \pm .004
6	.015 \pm .003	.019 \pm .002	.021 \pm .003	.020 \pm .005	.019 \pm .003
7	.016 \pm .009	.018 \pm .003	.020 \pm .003	.019 \pm .002	.018 \pm .004
8	.018 \pm .011	.019 \pm .003	.022 \pm .003	.019 \pm .002	.019 \pm .005
9	.013 \pm .004	.018 \pm .002	.020 \pm .004	.019 \pm .002	.018 \pm .003
10	.015 \pm .005	.020 \pm .002	.022 \pm .002	.019 \pm .004	.019 \pm .003
11	.017 \pm .002	.022 \pm .004	.024 \pm .005	.022 \pm .002	.021 \pm .003
12	.022 \pm .039	.019 \pm .003	.023 \pm .004	.021 \pm .003	.021 \pm .012
13	.017 \pm .004	.021 \pm .002	.026 \pm .002	.022 \pm .004	.021 \pm .003
14	.017 \pm .002	.022 \pm .003	.024 \pm .004	.020 \pm .003	.021 \pm .003
15	.015 \pm .006	.020 \pm .002	.022 \pm .002	.020 \pm .003	.019 \pm .003
16	.016 \pm .003	.021 \pm .006	.023 \pm .002	.022 \pm .002	.020 \pm .003
17	.015 \pm .003	.020 \pm .003	.023 \pm .006	.020 \pm .004	.020 \pm .004
18**	.034 \pm .009	.041 \pm .005	.045 \pm .003	.045 \pm .005	.041 \pm .005
19**	.020 \pm .002	.024 \pm .002	.027 \pm .003	.024 \pm .002	.024 \pm .003
20	.017 \pm .013	.020 \pm .002	.022 \pm .004	.021 \pm .003	.020 \pm .005
21	.015 \pm .003	.020 \pm .002	.021 \pm .002	.019 \pm .002	.018 \pm .002
22	.019 \pm .026	.019 \pm .003	.021 \pm .004	.019 \pm .003	.020 \pm .009
23	.015 \pm .006	.018 \pm .004	.020 \pm .003	.018 \pm .002	.018 \pm .004
24**	1.405 \pm .331	1.387 \pm .107	1.366 \pm .125	1.345 \pm .227	1.376 \pm .197
25	.034 \pm .014	.035 \pm .004	.038 \pm .007	.033 \pm .005	.035 \pm .008
26	.030 \pm .012	.031 \pm .003	.034 \pm .004	.033 \pm .005	.032 \pm .006
27	.017 \pm .003	.022 \pm .001	.024 \pm .002	.023 \pm .004	.022 \pm .002
28	.018 \pm .006	.022 \pm .002	.025 \pm .004	.023 \pm .004	.022 \pm .004
29	.023 \pm .005	.025 \pm .005	.029 \pm .004	.025 \pm .005	.025 \pm .005
30	.025 \pm .004	.032 \pm .005	.034 \pm .002	.031 \pm .002	.031 \pm .003
31	.016 \pm .005	.020 \pm .002	.023 \pm .001	.021 \pm .002	.020 \pm .003
32	.025 \pm .003	.028 \pm .003	.034 \pm .007	.030 \pm .004	.029 \pm .004
33	.030 \pm .009	.035 \pm .002	.041 \pm .007	.039 \pm .005	.036 \pm .006
34	.050 \pm .012	.055 \pm .010	.059 \pm .015	.057 \pm .003	.055 \pm .010
35	.052 \pm .012	.053 \pm .005	.070 \pm .013	.074 \pm .010	.062 \pm .010
36	.055 \pm .005	.065 \pm .008	.069 \pm .007	.068 \pm .015	.064 \pm .009
37	.015 \pm .003	.018 \pm .004	.020 \pm .003	.018 \pm .002	.018 \pm .003
38**	.042 \pm .005	.046 \pm .003	.049 \pm .007	.046 \pm .006	.046 \pm .005
39**	.082 \pm .008	.087 \pm .008	.088 \pm .012	.093 \pm .020	.088 \pm .012
40**	.201 \pm .050	.221 \pm .022	.215 \pm .088	.231 \pm .024	.217 \pm .046
41	.013 \pm .003	.017 \pm .003	.020 \pm .002	.019 \pm .005	.017 \pm .003
Quarterly Average**	.021 \pm .008	.025 \pm .003	.028 \pm .004	.026 \pm .004	.025 \pm .005

Locations shown on Figures A-3 and A-6.

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

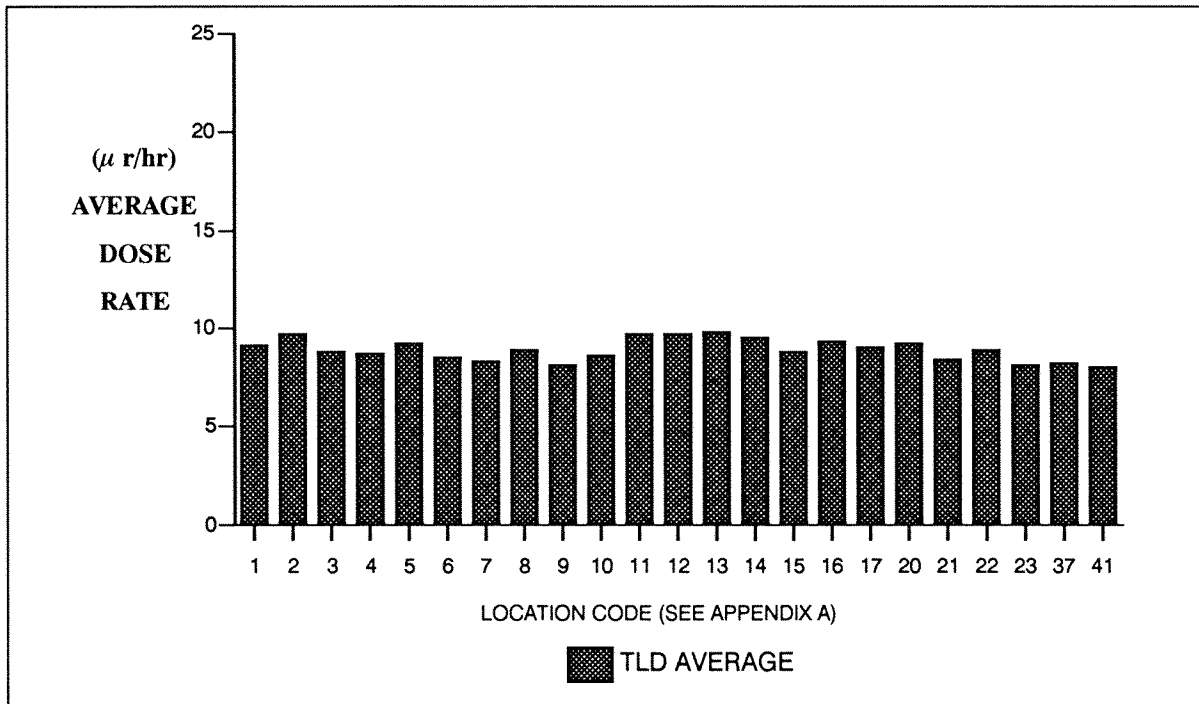


Figure C - 4.1

1990 Average Quarterly Gamma Exposure Rates Around the West Valley Demonstration Project

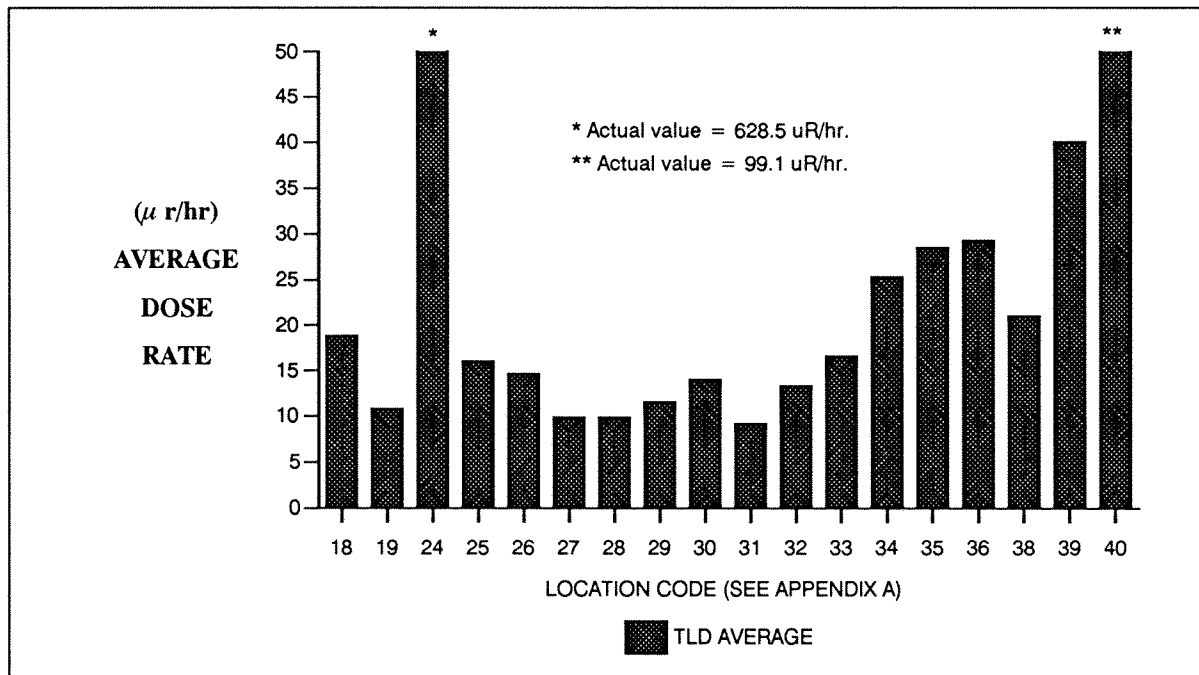


Figure C - 4.2

1990 Average Quarterly Gamma Exposure Rates On-site