

**Exchanging an Environmental TLD Package**

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# ***Appendix C - 4***

***Summary of Direct Radiation Monitoring Data***

**Table C - 4.1**  
**Summary of 1991 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	.027 ± .002	.019 ± .002	.019 ± .005	.023 ± .002	.022 ± .003
2	.022 ± .002	.019 ± .004	.019 ± .005	.023 ± .004	.021 ± .004
3	.020 ± .001	.017 ± .003	.017 ± .003	.023 ± .003	.019 ± .002
4	.020 ± .001	.018 ± .006	.020 ± .004	.023 ± .005	.020 ± .004
5	.021 ± .004	.019 ± .004	.021 ± .008	.024 ± .003	.021 ± .005
6	.020 ± .004	.017 ± .004	.017 ± .004	.023 ± .002	.019 ± .003
7	.019 ± .003	.017 ± .003	.018 ± .003	.021 ± .004	.019 ± .003
8	.019 ± .004	.017 ± .003	.018 ± .001	.024 ± .004	.019 ± .003
9	.019 ± .002	.017 ± .002	.017 ± .003	.021 ± .002	.019 ± .002
10	.020 ± .003	.017 ± .003	.018 ± .003	.023 ± .002	.019 ± .003
11	.022 ± .004	.019 ± .000	.019 ± .004	.025 ± .004	.021 ± .003
12	.020 ± .003	.020 ± .005	.019 ± .003	.023 ± .003	.020 ± .004
13	.021 ± .002	.020 ± .004	.021 ± .004	.025 ± .003	.022 ± .003
14	.021 ± .004	.019 ± .003	.019 ± .003	.024 ± .003	.021 ± .003
15	.020 ± .003	.017 ± .003	.018 ± .003	.022 ± .003	.019 ± .003
16	.020 ± .002	.018 ± .002	.019 ± .003	.024 ± .001	.020 ± .002
17	.022 ± .003	.018 ± .002	.018 ± .003	.022 ± .005	.020 ± .003
18**	.043 ± .005	.041 ± .007	.037 ± .008	.045 ± .004	.042 ± .006
19**	.023 ± .004	.023 ± .003	.024 ± .006	.028 ± .002	.024 ± .004
20	.020 ± .004	.018 ± .003	.018 ± .003	.023 ± .002	.020 ± .003
21	.020 ± .003	.018 ± .003	.018 ± .003	.022 ± .002	.019 ± .003
22	.020 ± .002	.017 ± .005	.019 ± .004	.021 ± .002	.019 ± .003
23	.018 ± .001	.017 ± .003	.016 ± .002	.021 ± .002	.018 ± .002
24**	1.345 ± .037	1.259 ± .132	1.135 ± .085	1.293 ± .202	1.258 ± .129
25	.034 ± .003	.032 ± .004	.033 ± .007	.036 ± .006	.034 ± .005
26	.030 ± .002	.029 ± .005	.028 ± .004	.032 ± .005	.030 ± .004
27	.023 ± .005	.020 ± .003	.021 ± .005	.026 ± .005	.022 ± .004
28	.022 ± .003	.022 ± .005	.022 ± .001	.026 ± .003	.023 ± .003
29	.027 ± .009	.023 ± .002	.023 ± .004	.027 ± .002	.025 ± .004
30	.033 ± .005	.031 ± .003	.030 ± .005	.033 ± .006	.032 ± .005
31	.022 ± .003	.019 ± .004	.019 ± .002	.024 ± .004	.021 ± .003
32	.032 ± .004	.031 ± .005	.030 ± .003	.035 ± .005	.032 ± .004
33	.039 ± .004	.036 ± .004	.037 ± .008	.042 ± .008	.039 ± .006
34	.057 ± .006	.055 ± .005	.054 ± .005	.062 ± .003	.057 ± .005
35	.077 ± .006	.075 ± .009	.069 ± .007	.080 ± .008	.075 ± .007
36	.068 ± .007	.067 ± .009	.063 ± .008	.073 ± .006	.067 ± .007
37	.019 ± .001	.016 ± .004	.017 ± .003	.021 ± .003	.018 ± .003
38**	.044 ± .007	.045 ± .004	.045 ± .003	.049 ± .009	.046 ± .006
39**	.079 ± .006	.085 ± .008	.083 ± .019	.091 ± .015	.085 ± .013
40**	.208 ± .009	.203 ± .023	.198 ± .033	.249 ± .028	.215 ± .025
41	.018 ± .002	.017 ± .004	.016 ± .004	.020 ± .004	.018 ± .003
<b>Quarterly Average**</b>	.026 ± .004	.024 ± .004	.024 ± .004	.029 ± .004	.026 ± .004

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

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

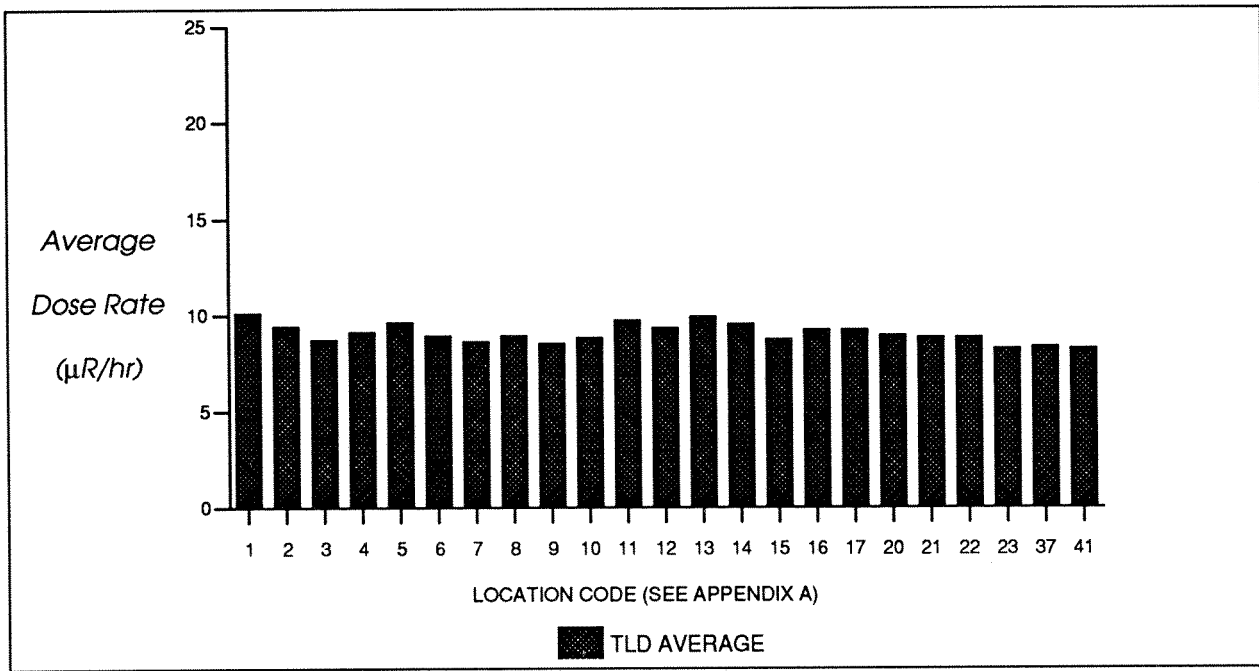


Figure C - 4.1

1991 Average Quarterly Gamma Exposure Rates around the West Valley Demonstration Project

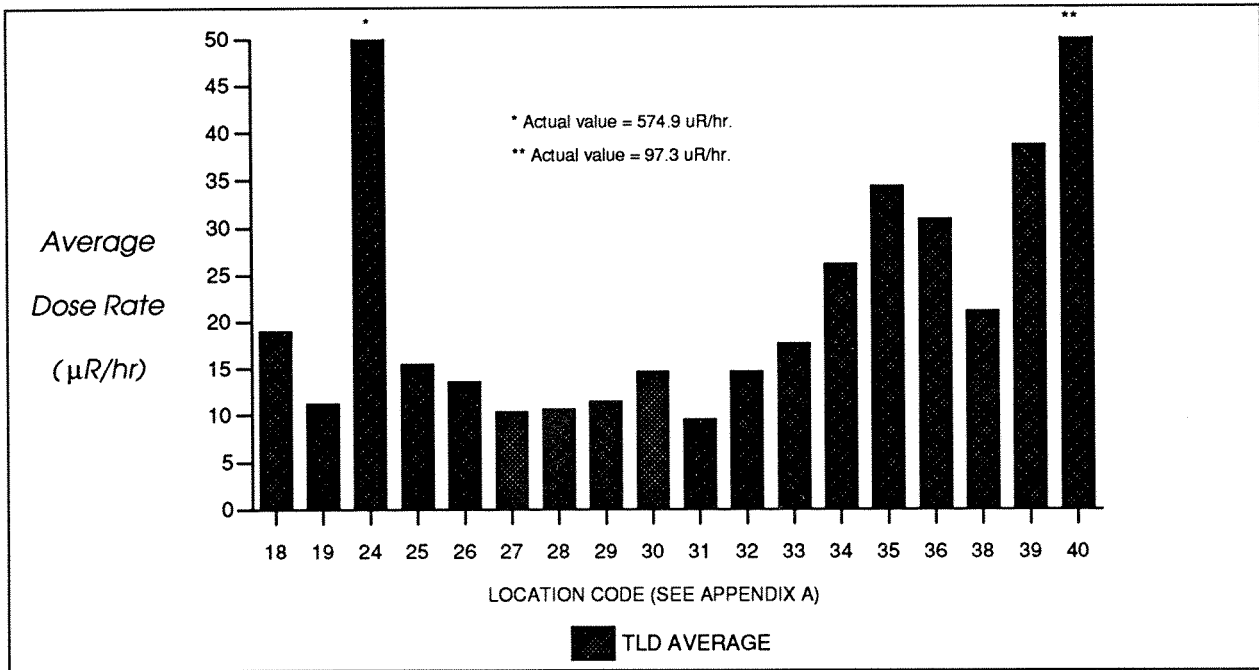


Figure C - 4.2

1991 Average Quarterly Gamma Exposure Rates on the West Valley Demonstration Project Site