

Appendix C - 4

Summary of Direct Radiation Monitoring Data



An Environmental TLD Package

Table C - 4.1
Summary of 1995 Quarterly Averages of Off-site 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>
DFTLD01	0.016 ± 0.003	0.017 ± 0.003	0.025 ± 0.005	0.014 ± 0.001	0.018 ± 0.003
DFTLD02	0.017 ± 0.005	0.018 ± 0.005	0.026 ± 0.005	0.014 ± 0.002	0.019 ± 0.004
DFTLD03	0.016 ± 0.003	0.016 ± 0.003	0.021 ± 0.004	0.013 ± 0.002	0.016 ± 0.003
DFTLD04	0.016 ± 0.003	0.016 ± 0.003	0.023 ± 0.004	0.017 ± 0.002	0.018 ± 0.003
DFTLD05	0.017 ± 0.004	0.017 ± 0.005	0.025 ± 0.006	0.015 ± 0.002	0.019 ± 0.004
DFTLD06	0.016 ± 0.003	0.017 ± 0.002	0.022 ± 0.002	0.020 ± 0.003	0.019 ± 0.002
DFTLD07	0.016 ± 0.004	0.016 ± 0.006	0.020 ± 0.004	0.015 ± 0.001	0.017 ± 0.004
DFTLD08	0.016 ± 0.002	0.016 ± 0.003	0.024 ± 0.004	0.014 ± 0.001	0.017 ± 0.002
DFTLD09	0.016 ± 0.004	0.017 ± 0.005	0.023 ± 0.002	0.014 ± 0.002	0.017 ± 0.003
DFTLD10	0.016 ± 0.003	0.016 ± 0.004	0.024 ± 0.003	0.015 ± 0.002	0.018 ± 0.003
DFTLD11	0.018 ± 0.004	0.019 ± 0.006	0.026 ± 0.006	0.016 ± 0.001	0.020 ± 0.004
DFTLD12	0.018 ± 0.003	0.018 ± 0.003	0.022 ± 0.004	0.016 ± 0.002	0.018 ± 0.003
DFTLD13	0.018 ± 0.003	0.018 ± 0.004	0.029 ± 0.005	0.016 ± 0.001	0.020 ± 0.003
DFTLD14	0.019 ± 0.003	0.018 ± 0.003	0.024 ± 0.004	0.015 ± 0.001	0.019 ± 0.003
DFTLD15	0.016 ± 0.004	0.022 ± 0.004	0.023 ± 0.005	0.013 ± 0.001	0.019 ± 0.003
DFTLD16	0.018 ± 0.003	0.017 ± 0.002	0.029 ± 0.008	0.015 ± 0.001	0.020 ± 0.003
DFTLD17	0.018 ± 0.003	0.018 ± 0.002	0.028 ± 0.014	0.015 ± 0.001	0.020 ± 0.005
DFTLD20	0.017 ± 0.003	0.018 ± 0.002	0.025 ± 0.005	0.015 ± 0.001	0.019 ± 0.003
DFTLD21	0.017 ± 0.005	0.019 ± 0.002	0.026 ± 0.005	0.015 ± 0.000	0.019 ± 0.003
DFTLD22	0.018 ± 0.002	0.018 ± 0.003	0.024 ± 0.003	0.015 ± 0.002	0.019 ± 0.002
DFTLD23	0.017 ± 0.003	0.017 ± 0.004	0.023 ± 0.001	0.014 ± 0.001	0.018 ± 0.003
DFTLD37	0.017 ± 0.002	0.016 ± 0.002	0.024 ± 0.006	0.015 ± 0.002	0.018 ± 0.003
DFTLD41	0.016 ± 0.006	0.017 ± 0.002	0.020 ± 0.003	0.014 ± 0.001	0.017 ± 0.003

* Off-site locations are shown on Figures 2-14, A-7, and A-9. Background measurements are provided by off-site TLDs 17, 23, 37, and 41.

Table C - 4.2
Summary of 1995 Quarterly Averages of On-site TLD Measurements
(Roentgen \pm 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>
DNTLD18	0.038 \pm 0.009	0.034 \pm 0.012	0.048 \pm 0.008	0.031 \pm 0.002	0.038 \pm 0.008
DNTLD19	0.019 \pm 0.003	0.019 \pm 0.008	0.029 \pm 0.002	0.018 \pm 0.001	0.021 \pm 0.004
DNTLD24	0.929 \pm 0.182	0.795 \pm 0.059	0.935 \pm 0.155	0.757 \pm 0.030	0.854 \pm 0.107
DNTLD25	0.026 \pm 0.007	0.025 \pm 0.006	0.037 \pm 0.002	0.022 \pm 0.001	0.028 \pm 0.004
DNTLD26	0.024 \pm 0.006	0.024 \pm 0.005	0.034 \pm 0.006	0.019 \pm 0.001	0.025 \pm 0.004
DNTLD27	0.019 \pm 0.006	0.019 \pm 0.003	0.026 \pm 0.003	0.016 \pm 0.001	0.020 \pm 0.003
DNTLD28	0.020 \pm 0.004	0.022 \pm 0.005	0.028 \pm 0.004	0.020 \pm 0.002	0.022 \pm 0.004
DNTLD29	0.019 \pm 0.002	0.020 \pm 0.009	0.028 \pm 0.005	0.016 \pm 0.002	0.021 \pm 0.004
DNTLD30	0.023 \pm 0.003	0.026 \pm 0.004	0.031 \pm 0.006	0.019 \pm 0.001	0.025 \pm 0.004
DNTLD31	0.017 \pm 0.005	0.019 \pm 0.004	0.025 \pm 0.004	0.015 \pm 0.002	0.019 \pm 0.004
DNTLD32	0.033 \pm 0.004	0.031 \pm 0.017	0.033 \pm 0.005	0.027 \pm 0.001	0.031 \pm 0.007
DNTLD33	0.035 \pm 0.006	0.036 \pm 0.006	0.048 \pm 0.005	0.029 \pm 0.002	0.037 \pm 0.005
DNTLD34	0.059 \pm 0.021	0.067 \pm 0.010	0.075 \pm 0.010	0.055 \pm 0.005	0.064 \pm 0.012
DNTLD35	0.092 \pm 0.013	0.092 \pm 0.018	0.105 \pm 0.024	0.083 \pm 0.004	0.093 \pm 0.015
DNTLD36	0.055 \pm 0.010	0.053 \pm 0.008	0.058 \pm 0.011	0.048 \pm 0.004	0.053 \pm 0.008
DNTLD38	0.031 \pm 0.004	0.033 \pm 0.002	0.044 \pm 0.009	0.028 \pm 0.002	0.034 \pm 0.004
DNTLD39	0.059 \pm 0.009	0.062 \pm 0.015	0.075 \pm 0.014	0.062 \pm 0.004	0.064 \pm 0.010
DNTLD40	0.150 \pm 0.023	0.230 \pm 0.038	0.225 \pm 0.048	0.207 \pm 0.008	0.203 \pm 0.029
DNTLD42	0.078 \pm 0.012	0.080 \pm 0.014	0.101 \pm 0.016	0.071 \pm 0.005	0.083 \pm 0.012
DNTLD43	0.040 \pm 0.005	0.036 \pm 0.007	0.045 \pm 0.007	0.031 \pm 0.002	0.038 \pm 0.005

* On-site locations are shown on Figures 2-13 and A-8.

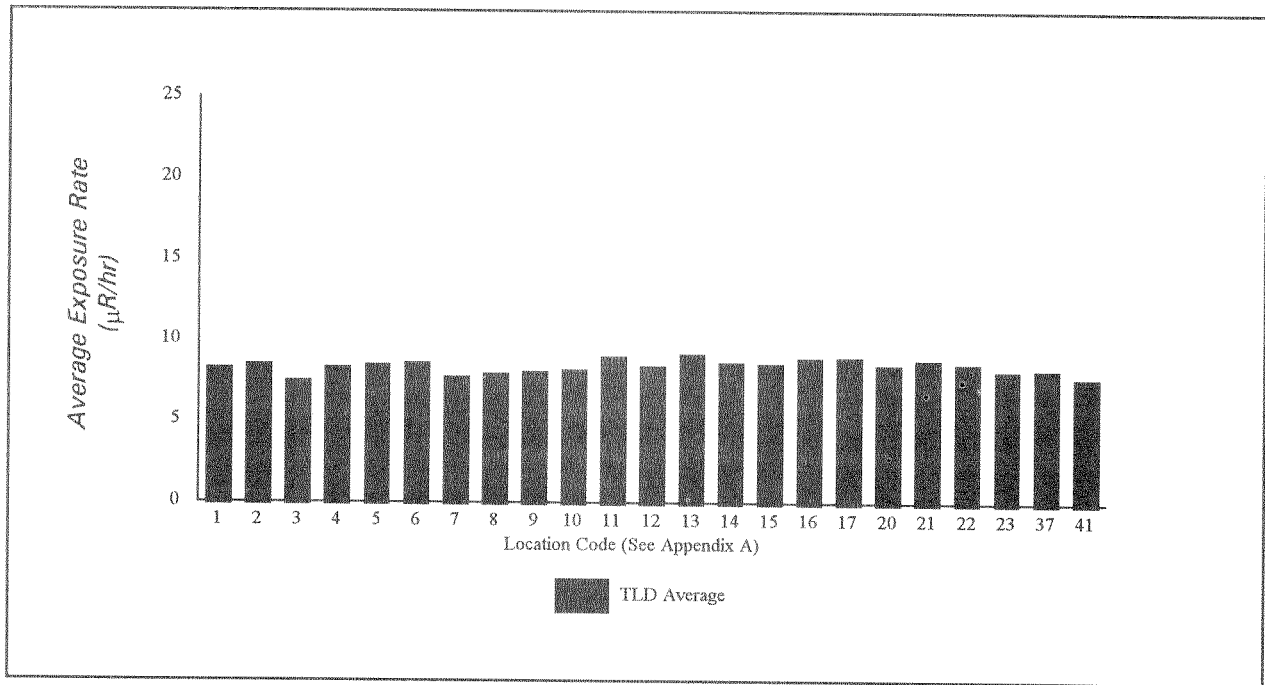
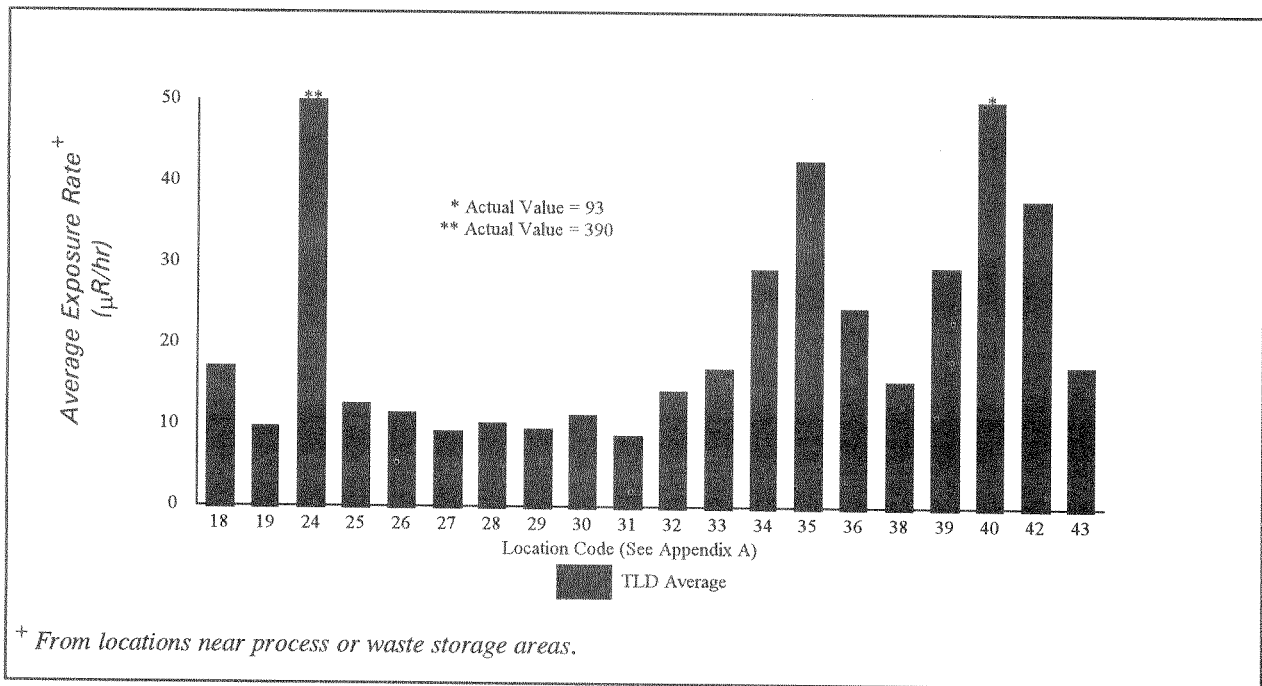


Figure C - 4.1

1995 Average Quarterly Gamma Exposure Rates around the West Valley Demonstration Project Site



⁺ From locations near process or waste storage areas.

Figure C - 4.2

1995 Average Quarterly Gamma Exposure Rates on the West Valley Demonstration Project Site