

---

# APPENDIX F

## Summary of Direct Radiation Monitoring Data

---

TABLE F-1  
Summary of 2010 Semiannual Averages of Off-Site TLD Measurements<sup>a</sup>  
(mR±2 SD/quarter)

<i>Location Number<sup>b</sup></i>	<i>1st Half</i>	<i>2nd Half</i>	<i>Location Average</i>
DFTLD01	16±1	16±1	16±1
DFTLD02	17±1	15±1	16±1
DFTLD03	14±1	13±1	13±1
DFTLD04	15±1	14±1	15±1
DFTLD05	15±1	14±1	15±1
DFTLD06	16±1	14±1	15±1
DFTLD07	13±1	12±1	12±1
DFTLD08	16±1	14±1	15±1
DFTLD09	16±1	15±1	15±1
DFTLD10	14±1	13±1	14±1
DFTLD11	14±1	13±1	14±1
DFTLD12	17±1	<sup>c</sup>	9±1
DFTLD13	16±1	15±2	15±1
DFTLD14	15±1	14±1	14±1
DFTLD15	15±1	13±1	14±1
DFTLD16	15±1	15±1	15±1
DFTLD20	13±1	12±1	13±1
DFTLD23	16±1	15±1	15±1

<sup>a</sup> The frequency of collection at the TLD locations was reduced from quarterly to semiannual in 2008, however data are reported in units of mR per quarter for comparability with historical results.

<sup>b</sup> Off-site locations are shown on Figure A-11.

<sup>c</sup> The TLD at this location was lost in the field.

Conversion factor: Milliroentgen (mR) units are used to report exposure rates in air. To convert mR to mrem (dose to humans), a conversion factor of 1.03 must be applied. For example, a reported exposure rate of 18.1 mR/quarter would be equivalent to 18.6 mrem/quarter (based upon dose-equivalent phantom calibration using cesium-137).

**TABLE F-2**  
**Summary of 2010 Semiannual Averages of On-Site TLD Measurements<sup>a</sup>**  
**(mR±2 SD/quarter)**

<i>Location Number<sup>b</sup></i>	<i>1st Half</i>	<i>2nd Half</i>	<i>Location Average</i>
DNTLD24	755±53	555±64	655±59
DNTLD28	16±2	16±2	16±2
DNTLD33	17±1	17±1	17±1
DNTLD35	17±1	17±1	17±1
DNTLD36	15±1	16±1	15±1
DNTLD38	35±3	45±5	40±4
DNTLD40	127±27	123±13	125±21
DNTLD43	15±2	14±1	14±2

<sup>a</sup> The frequency of collection at the TLD locations was reduced from quarterly to semiannual in 2008, however data are reported in units of mR per quarter for comparability with historical results.

<sup>b</sup> On-site locations are shown on Figure A-10.

Conversion factor: Milliroentgen (mR) units are used to report exposure rates in air. To convert mR to mrem (dose to humans), a conversion factor of 1.03 must be applied. For example, a reported exposure rate of 18.1 mR/quarter would be equivalent to 18.6 mrem/quarter (based upon dose-equivalent phantom calibration using cesium-137).