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# NRC TLD Direct Radiation Monitoring Network

Progress Report
January-March 1984

**U.S. Nuclear Regulatory Commission**

**NRC Region I**

F. Costello, M. Kramaric, L. Cohen

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**Region I**
**U.S. Nuclear Regulatory Commission**
**King of Prussia, PA 19406**

## Preface

The U. S. Nuclear Regulatory Commission (NRC) Direct Radiation Monitoring Network is operated by the NRC in cooperation with participating states to provide continuous measurement of the ambient radiation levels around licensed NRC facilities, primarily power reactors. Ambient radiation levels result from naturally occurring radionuclides present in the soil, cosmic radiation constantly bombarding the earth from outer space, and the contribution, if any, from the monitored facilities and other man-made sources. The Network is intended to measure radiation levels during routine facility operations and to establish background radiation levels used to assess the radiological impact of an unusual condition, such as an accident. This report presents the radiation levels measured around all facilities in the Network for the first quarter of 1984. A complete listing of the site facilities monitored is included. In some instances, two power reactor facilities are monitored by the same set of dosimeters (e.g., Kewaunee and Point Beach).

All radiation measurements are made using small, passive detectors called thermoluminescent dosimeters (TLDs), which provide a quantitative measurement of the radiation levels in the area in which they are placed. Each site is monitored by arranging approximately 40 to 50 TLD stations in two concentric rings extending to about five miles from the facility. All TLD stations are outside the site boundary of the facility. A complete description of the program can be found in NUREG-0837, Volume 2, Number 4 and NUREG-0837, Volume 3, Number 4. The National Bureau of Standards (NBS) has been performing an independent study of the following characteristics of the NRC dosimetry system; energy response, angular dependence, temperature and humidity sensitivity, fading, light dependence, self-irradiation, and reproducibility. NBS has also tested the response of the NRC's dosimetry system against the requirements of ANSI N545-1975 and NRC Regulatory Guide 4.13. Details of this testing can be found in NUREG/CR-2560 and NUREG/CR-3120.

The radiation levels are presented as gross and net exposures. The gross exposure includes naturally occurring background radiation, radiation levels resulting from a facility's operation, and the exposure received during transport and storage of the TLD. Net exposures are obtained by subtracting an estimate of the exposure received by the dosimeter during transit from the gross exposures. All exposures are normalized to a 90-day quarter (standard quarter) and reported in units of milliroentgens (mR). Station numbers for which no data are reported included stations which have been deleted, stations for which the TLD was lost during the quarter, or stations for which the TLD was damaged. When control dosimeter data are unavailable, no net exposures are calculated.

Three sets of data are presented for each site. The first set includes the TLD station number, its direction and distance from the site, the integrated gross exposure for the period, and the net exposure normalized to a 90-day quarter (standard quarter). All measurements are listed with their respective random and total uncertainties.

The uncertainties are listed in the following format:

$X \pm S_x; U_x$

where $X$ = value of the result
$S_x$ = random uncertainty expressed as one standard deviation
$U_x$ = combined total uncertainty

The second set of data summarizes the average net exposure measured in each of the 16 standard windrose sectors around the facility, normalized to a standard quarter. The third set of data summarizes the average not exposure measured at three ranges of distances from the facility, normalized to a standard quarter. When average net exposures cannot be reported because of the unavailability of the site's control dosimeters, the average gross exposures, normalized to a standard quarter, are reported in these two sets of data. The "std.dev." refers to the standard deviation of the measurements made in each sector and range, respectively.

The data for Big Rock Point site for this quarter include sets of data for both the calcium sulfate and the lithium borate elements. It appears that these dosimeters were exposed to low energy photon radiation sometime between their initial annealing and their final reading. The basis for this determination is the observed difference between the exposures measured by the calcium sulfate and lithium borate elements. The high exposure measurements of the calcium sulfate elements relative to the lithium borate elements are consistent with the over-response of the calcium sulfate elements to low energy photon radiation. The severe directional dependence of the calcium sulfate elements at low photon energies also contributes significantly to the estimated uncertainty in this data. Because of the lack of transit control dosimeter data, it is not possible to determine whether this low energy photon exposure occurred during transit or while the dosimeters were in the field. The calcium sulfate data are on pages 8 and 8A of this report. The lithium borate data are on pages 9 and 9A of this report. For this quarter, the lithium borate data are considered to constitute the best estimate of exposure for Big Rock Point.

This report is one of a continuing series of technical reports covering the results and experiences of the operation of the NRC TLD Direct Radiation Monitoring Network. Suggestions on methods to improve the presentation or analysis of the data contained in this NUREG are appreciated and should be submitted to NRC Region I, 631 Park Avenue, King of Prussia, Pennsylvania 19406, ATTN: Radiation Dosimetry Specialist.

ATTACHMENT 1

Sites Monitored During First Quarter, 1984

1. Arkansas Nuclear One
2. Beaver Valley
3. Big Rock Point
4. Braidwood
5. Browns Ferry
6. Brunswick
7. Byron
8. Callaway
9. Calvert Cliffs
10. Catawba
11. Clinton
12. Comanche Peak
13. D. C. Cook
14. Cooper
15. Crystal River
16. Davis-Besse
17. Diablo Canyon
18. Dresden
19. Duane Arnold
20. Farley
21. Fermi
22. FitzPatrick/Nine Mile Point
23. Fort Calhoun
24. Fort St. Vrain
25. Ginna
26. Grand Gulf
27. Haddam Neck
28. Hatch
29. Indian Point
30. Kewaunee/Point Beach
31. Lacrosse
32. LaSalle
33. Limerick
34. Maine Yankee
35. McGuire
36. Millstone
37. Monticello
38. North Anna
39. Oconee
40. Oyster Creek
41. Palisades
42. Palo Verde
43. Peach Bottom
44. Perry
45. Pilgrim
46. Prairie Island
47. Quad Cities
48. Rancho Seco
49. Robinson
50. St. Lucie
51. Salem/Hope Creek
52. San Onofre
53. Seabrook
54. Sequoyah
55. Shoreham
56. Summer
57. Surry
58. Susquehanna
59. Three Mile Island
60. Trojan
61. Turkey Point
62. Vermont Yankee
63. Washington Nuclear 2
64. Waterford
65. Watts Barr
66. Wolf Creek
67. Yankee Rowe
68. Zimmer
69. Zion

ARKANSAS
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 831208-840406 120 DAYS
FIELD TIME 85 DAYS

| NRC STATION | LOCATION AZIMUTH/DIST (deg.) | (mi.) | GROSS EXPOSURE(mR) +- Rdm;Tot. | NET EXPOSURE RATE mR/Std.Qtr. +- Rdm;Tot. |
|---|---|---|---|---|
| 001 | 4 | 0.4 | 22.5 +- .7 ; 3.4 | NO NET DATA |
| 002 | 353 | 4.1 | 22.4 +- .7 ; 3.4 | NO NET DATA |
| 003 | 32 | 1.3 | 23.7 +- .7 ; 3.6 | NO NET DATA |
| 004 | 13 | 3.3 | 21.2 +- .6 ; 3.2 | NO NET DATA |
| 005 | 53 | 1.5 | 22.1 +- .7 ; 3.3 | NO NET DATA |
| 006 | 37 | 3.6 | 20.0 +- .6 ; 3.0 | NO NET DATA |
| 007 | 78 | 2.5 | 26.0 +- .8 ; 3.9 | NO NET DATA |
| 008 | 60 | 3.2 | MISSING OR DAMAGED DOSIMETER | |
| 009 | 92 | 0.5 | 24.9 +- .7 ; 3.7 | NO NET DATA |
| 010 | 83 | 5.5 | 22.5 +- .7 ; 3.4 | NO NET DATA |
| 011 | 122 | 2.1 | 21.4 +- .6 ; 3.2 | NO NET DATA |
| 012 | 109 | 6.8 | 23.5 +- .7 ; 3.5 | NO NET DATA |
| 013 | 138 | 2.6 | 19.9 +- .6 ; 3.0 | NO NET DATA |
| 014 | 130 | 4.9 | MISSING OR DAMAGED DOSIMETER | |
| 016 | 167 | 4.4 | 22.4 +- .7 ; 3.4 | NO NET DATA |
| 017 | 171 | 0.4 | 21.6 +- .6 ; 3.2 | NO NET DATA |
| 018 | 189 | 3.2 | 22.3 +- .7 ; 3.3 | NO NET DATA |
| 019 | 205 | 2.9 | 21.4 +- .6 ; 3.2 | NO NET DATA |
| 020 | 195 | 5.8 | 20.7 +- .6 ; 3.1 | NO NET DATA |
| 021 | 235 | 0.5 | 23.5 +- .7 ; 3.5 | NO NET DATA |
| 022 | 230 | 3.6 | MISSING OR DAMAGED DOSIMETER | |
| 023 | 257 | 2.8 | MISSING OR DAMAGED DOSIMETER | |
| 024 | 243 | 4.5 | 21.2 +- .6 ; 3.2 | NO NET DATA |
| 025 | 279 | 1.2 | 26.6 +- .8 ; 4.0 | NO NET DATA |
| 026 | 263 | 4.3 | 23.1 +- .7 ; 3.5 | NO NET DATA |
| 027 | 298 | 0.4 | 23.4 +- .7 ; 3.5 | NO NET DATA |
| 028 | 293 | 5.8 | 23.5 +- .7 ; 3.5 | NO NET DATA |
| 029 | 326 | 1.9 | 23.6 +- .7 ; 3.5 | NO NET DATA |
| 030 | 308 | 4.8 | 22.2 +- .7 ; 3.3 | NO NET DATA |
| 031 | 345 | 1.3 | 23.7 +- .7 ; 3.6 | NO NET DATA |
| 032 | 335 | 4.2 | 21.2 +- .6 ; 3.2 | NO NET DATA |
| 033 | 110 | 0.8 | 24.2 +- .7 ; 3.6 | NO NET DATA |
| 039 | 112 | 6.0 | 22.2 +- .7 ; 3.3 | NO NET DATA |
| 040 | 147 | 8.0 | 23.2 +- .7 ; 3.5 | NO NET DATA |
| 041 | 106 | 17. | 21.9 +- .7 ; 3.3 | NO NET DATA |
| 042 | 310 | 17. | 20.8 +- .6 ; 3.1 | NO NET DATA |
| 043 | 0 | 5.2 | 23.4 +- .7 ; 3.5 | NO NET DATA |
| 044 | 0 | 9.1 | 22.7 +- .7 ; 3.4 | NO NET DATA |
| 045 | 0 | 8.9 | 20.3 +- .6 ; 3.0 | NO NET DATA |
| 046 | 0 | 8.3 | 22.3 +- .7 ; 3.3 | NO NET DATA |

NO TRANSIT DOSE CALCULATED (TLD CONTROLS MISSING OR OTHERWISE NOT COMPLETE)

ARKANSAS
FOR THE PERIOD 831208-840406

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

| AZIMUTH (deg.) | AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 348.75-11.25 (N) | 16.7 +- .8 | 6 |
| 11.25-33.75 (NNE) | 16.8 +- 1.3 | 2 |
| 33.75-56.25 (NE) | 15.8 +- 1.1 | 2 |
| 56.25-78.75 (ENE) | 19.5 +- 0.0 | 1 |
| 78.75-101.25 (E) | 17.8 +- 1.3 | 2 |
| 101.25-123.75(ESE) | 17.0 +- .9 | 5 |
| 123.75-146.25(SE) | 14.9 +- 0.0 | 1 |
| 146.25-168.75(SSE) | 17.1 +- .4 | 2 |
| 168.75-191.25(S) | 16.5 +- .4 | 2 |
| 191.25-213.75(SSW) | 15.8 +- .4 | 2 |
| 213.75-236.25(SW) | 17.6 +- 0.0 | 1 |
| 236.25-258.75(WSW) | 15.9 +- 0.0 | 1 |
| 258.75-281.25(W) | 18.6 +- 1.9 | 2 |
| 281.25-303.75(WNW) | 17.6 +- .1 | 2 |
| 303.75-326.25(NW) | 16.6 +- 1.1 | 3 |
| 326.25-348.75(NNW) | 16.8 +- 1.3 | 2 |
| | | |

| DISTANCE(mi) FROM THE REACTOR | AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 0-2 | 17.7 +- 1.0 | 11 |
| 2-5 | 16.4 +- 1.2 | 13 |
| >5 | 16.7 +- .9 | 12 |
| UPWIND CONTROL DATA | NO DATA | NO DATA |

BEAVER VALLEY
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 831212-840411 121 DAYS
FIELD TIME 112 DAYS

| NRC STATION | LOCATION AZIMUTH/DIST (deg.) | (mi.) | GROSS EXPOSURE(mR) +- Rdm;Tot. | | NET EXPOSURE RATE mR/Std.Qtr. +- Rdm;Tot. | |
|---|---|---|---|---|---|---|
| 002 | 6 | 13 | 20.9 +- .6 | 3.1 | 16.1 +- .6 | 2.8 |
| 004 | 31 | 12 | 22.7 +- .7 | 3.4 | 17.5 +- .6 | 3.0 |
| 005 | 55 | 8.4 | 22.0 +- .7 | 3.3 | 16.9 +- .6 | 3.0 |
| 006 | 60 | 9.5 | 22.5 +- .7 | 3.4 | 17.3 +- .6 | 3.0 |
| 007 | 97 | 8 | 23.0 +- .7 | 3.5 | 17.7 +- .6 | 3.1 |
| 008 | 110 | 4.3 | 24.7 +- .7 | 3.7 | 19.1 +- .7 | 3.3 |
| 009 | 110 | 2.2 | 23.0 +- .7 | 3.5 | 17.7 +- .6 | 3.1 |
| 010 | 91 | 2.4 | 24.0 +- .7 | 3.6 | 18.6 +- .7 | 3.2 |
| 011 | 77 | 3.7 | 32.5 +- 1.0 | 4.9 | 25.3 +- .8 | 4.1 |
| 012 | 153 | 4.2 | MISSING OR DAMAGED DOSIMETER | | | |
| 013 | 170 | 4.4 | 20.3 +- .6 | 3.0 | 15.6 +- .6 | 2.8 |
| 014 | 190 | 4.4 | 21.3 +- .6 | 3.2 | 16.3 +- .6 | 2.9 |
| 015 | 208 | 3.5 | 21.4 +- .6 | 3.2 | 16.5 +- .6 | 2.9 |
| 016 | 264 | 5.6 | 22.4 +- .7 | 3.4 | 17.2 +- .6 | 3.0 |
| 017 | 270 | 6.3 | 22.7 +- .7 | 3.4 | 17.5 +- .6 | 3.0 |
| 018 | 232 | 5.4 | 21.7 +- .6 | 3.2 | 16.7 +- .6 | 2.9 |
| 019 | 267 | 4.3 | 23.9 +- .7 | 3.6 | 18.4 +- .7 | 3.2 |
| 020 | 294 | 3.4 | 20.0 +- .6 | 3.0 | 15.3 +- .6 | 2.7 |
| 021 | 286 | 1.4 | 24.4 +- .7 | 3.7 | 18.9 +- .7 | 3.2 |
| 022 | 220 | 1.3 | 21.1 +- .6 | 3.2 | 16.2 +- .6 | 2.9 |
| 023 | 255 | 2.3 | MISSING OR DAMAGED DOSIMETER | | | |
| 024 | 209 | 2.1 | 22.8 +- .7 | 3.4 | 17.6 +- .6 | 3.1 |
| 025 | 186 | 2.1 | 23.6 +- .7 | 3.5 | 18.2 +- .6 | 3.1 |
| 026 | 190 | 2.2 | 23.4 +- .7 | 3.5 | 18.1 +- .6 | 3.1 |
| 027 | 125 | 2 | 24.4 +- .7 | 3.7 | 18.9 +- .7 | 3.2 |
| 028 | 87 | 1.6 | 23.1 +- .7 | 3.5 | 17.8 +- .6 | 3.1 |
| 029 | 59 | 1.5 | 21.1 +- .6 | 3.2 | 16.2 +- .6 | 2.9 |
| 030 | 50 | 1.6 | 21.9 +- .7 | 3.3 | 16.8 +- .6 | 3.0 |
| 031 | 320 | 1.2 | 24.7 +- .7 | 3.7 | 19.1 +- .7 | 3.3 |
| 032 | 325 | 3.5 | 23.1 +- .7 | 3.5 | 17.8 +- .6 | 3.1 |
| 033 | 341 | 2.5 | 22.0 +- .7 | 3.3 | 16.9 +- .6 | 3.0 |
| 034 | 343 | 3.2 | 21.9 +- .7 | 3.3 | 16.9 +- .6 | 3.0 |
| 035 | 9 | 3.6 | 22.9 +- .7 | 3.4 | 17.7 +- .6 | 3.1 |
| 036 | 14 | 3.3 | 26.2 +- .8 | 3.9 | 20.3 +- .7 | 3.4 |
| 037 | 37 | 3 | 19.4 +- .6 | 2.9 | 14.8 +- .6 | 2.7 |
| 038 | 22 | 1.8 | 23.0 +- .7 | 3.4 | 17.7 +- .6 | 3.1 |
| 039 | 351 | 1.6 | 22.2 +- .7 | 3.3 | 17.1 +- .6 | 3.0 |
| 040 | 344 | 15. | 20.1 +- .6 | 3.0 | 15.4 +- .6 | 2.8 |
| 041 | 344 | 15. | 19.9 +- .6 | 3.0 | 15.2 +- .6 | 2.7 |
| TRANSIT DOSE = .9 +- .4 ; 1.7 | | | | | | |

BEAVER VALLEY
FOR THE PERIOD 831212-840411

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

| AZIMUTH (deg.) | NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 348.75-11.25 (N) | 18.9 +- .8 | 3 |
| 11.25-33.75 (NNE) | 18.5 +- 1.6 | 3 |
| 33.75-56.25 (NE) | 16.2 +- 1.2 | 3 |
| 56.25-78.75 (ENE) | 19.6 +- 5.0 | 3 |
| 78.75-101.25 (E) | 18.0 +- .5 | 3 |
| 101.25-123.75(ESE) | 18.4 +- 1.0 | 2 |
| 123.75-146.25(SE) | 18.9 +- 0.0 | 1 |
| 146.25-168.75(SSE) | NO DATA+-NO DATA | 0 |
| 168.75-191.25(S) | 17.1 +- 1.3 | 4 |
| 191.25-213.75(SSW) | 17.0 +- .8 | 2 |
| 213.75-236.25(SW) | 16.4 +- .3 | 2 |
| 236.25-258.75(WSW) | NO DATA+-NO DATA | 0 |
| 258.75-281.25(W) | 17.7 +- .6 | 3 |
| 281.25-303.75(WNW) | 17.1 +- 2.5 | 2 |
| 303.75-326.25(NW) | 18.4 +- .9 | 2 |
| 326.25-348.75(NNW) | 16.9 +- .0 | 2 |
| | | |

| DISTANCE(mi) FROM THE REACTOR | NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 0-2 | 17.6 +- 1.1 | 8 |
| 2-5 | 17.8 +- 2.3 | 18 |
| >5 | 17.1 +- .5 | 8 |
| UPWIND CONTROL DATA | 15.3 +- .1 | 2 |

BIG ROCK
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 831212-840420 130 DAYS
FIELD TIME 94 DAYS

**Calcium Sulfate**

| NRC STATION | LOCATION AZIMUTH (deg.) | LOCATION DIST (mi.) | GROSS EXPOSURE(mR) +- Rdm;Tot. | NET EXPOSURE RATE mR/Std.Qtr. +- Rdm;Tot. |
|---|---|---|---|---|
| 001 | 208 | 4.9 | 41.8 +- 3.7 ; 35.9 | NO NET DATA |
| 002 | 220 | 3.6 | 35.1 +- 2.8 ; 30.2 | NO NET DATA |
| 003 | 204 | 2.4 | 25.2 +- .3 ; 21.6 | NO NET DATA |
| 004 | 176 | 3.3 | 52.3 +- 8.1 ; 45.0 | NO NET DATA |
| 005 | 161 | 4.6 | 74.4 +- 6.2 ; 64.0 | NO NET DATA |
| 006 | 133 | 4.7 | 94.4 +- 3.8 ; 81.1 | NO NET DATA |
| 007 | 116 | 3.7 | 46.5 +- 8.3 ; 39.9 | NO NET DATA |
| 008 | 111 | 4.7 | 54.2 +- 11.7 ; 45.6 | NO NET DATA |
| 009 | 98 | 4.5 | 75.3 +- 4.9 ; 64.7 | NO NET DATA |
| 010 | 88/ | 12. | 56.9 +- 7.2 ; 48.9 | NO NET DATA |
| 011 | 83/ | 16. | MISSING OR DAMAGED DOSIMETER | |
| 012 | 83/ | 16. | MISSING OR DAMAGED DOSIMETER | |
| 013 | 83/ | 16. | 74.7 +- 3.3 ; 64.2 | NO NET DATA |
| 014 | 77 | 3.4 | 101.7 +- 4.3 ; 87.5 | NO NET DATA |
| 015 | 96 | 1.8 | 69.4 +- 1.7 ; 59.6 | NO NET DATA |
| 016 | 118 | 2.0 | 40.2 +- 2.9 ; 34.5 | NO NET DATA |
| 017 | 134 | 2.0 | 132.5 +- 7.2 ; 114.0 | NO NET DATA |
| 018 | 222 | 1.9 | 55.1 +- 1.5 ; 47.3 | NO NET DATA |
| 019 | 194 | 1.4 | 67.8 +- 3.9 ; 58.3 | NO NET DATA |
| 020 | 179 | 1.5 | 119.3 +- 7.0 ; 102.6 | NO NET DATA |
| 021 | 153 | 1.1 | 124.5 +- 10.4 ; 107.0 | NO NET DATA |

NO TRANSIT DOSE CALCULATED (TLD CONTROLS MISSING OR OTHERWISE NOT COMPLETE)

BIG ROCK
FOR THE PERIOD 831212-840420

Calcium Sulfate

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

| AZIMUTH (deg.) | AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std Dev. | # IN GROUP |
|---|---|---|
| 348.75-11.25 (N) | NO DATA+-NO DATA | 0 |
| 11.25-33.75 (NNE) | NO DATA+-NO DATA | 0 |
| 33.75-56.25 (NE) | NO DATA+-NO DATA | 0 |
| 56.25-78.75 (ENE) | 70.4 +- 0.0 | 1 |
| 78.75-101.25 (E) | 46.5 +- 6.5 | 3 |
| 101.25-123.75(ESE) | 32.5 +- 4.9 | 3 |
| 123.75-146.25(SE) | 78.5 +- 18.7 | 2 |
| 146.25-168.75(SSE) | 68.8 +- 24.5 | 2 |
| 168.75-191.25(S) | 59.4 +- 32.8 | 2 |
| 191.25-213.75(SSW) | 31.1 +- 14.9 | 3 |
| 213.75-236.25(SW) | 31.2 +- 9.8 | 2 |
| 236.25-258.75(WSW) | NO DATA+-NO DATA | 0 |
| 258.75-281.25(W) | NO DATA+-NO DATA | 0 |
| 281.25-303.75(WNW) | NO DATA+-NO DATA | 0 |
| 303.75-326.25(NW) | NO DATA+-NO DATA | 0 |
| 326.25-348.75(NNW) | NO DATA+-NO DATA | 0 |
| | | |

| DISTANCE(mi) FROM THE REACTOR | AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 0-2 | 60.2 +- 25.9 | 7 |
| 2-5 | 41.6 +- 17.6 | 10 |
| >5 | 39.4 +- 0.0 | 1 |
| UPWIND CONTROL DATA | 51.7 +- 0.0 | 1 |

BIG ROCK
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 831212-840420 130 DAYS
FIELD TIME 94 DAYS

**Lithium Borate**

| NRC STATION | LOCATION AZIMUTH/DIST (deg.) | (mi.) | GROSS EXPOSURE(mR) +- Rdm;Tot. | NET EXPOSURE RATE mR/Std.Qtr. +- Rdm;Tot. |
|---|---|---|---|---|
| 001 | 208 | 4.9 | 28.7 +- 2.0 ; 7.2 | NO NET DATA |
| 002 | 220 | 3.6 | 24.6 +- 1.7 ; 6.1 | NO NET DATA |
| 003 | 204 | 2.4 | 21.7 +- 1.5 ; 5.4 | NO NET DATA |
| 004 | 176 | 3.3 | 23.7 +- 1.7 ; 5.9 | NO NET DATA |
| 005 | 161 | 4.6 | 26.1 +- 1.8 ; 6.5 | NO NET DATA |
| 006 | 133 | 4.7 | 27.2 +- 1.9 ; 6.8 | NO NET DATA |
| 007 | 116 | 3.7 | 24.3 +- 1.7 ; 6.1 | NO NET DATA |
| 008 | 111 | 4.7 | 24.4 +- 1.7 ; 6.1 | NO NET DATA |
| 009 | 98 | 4.5 | 26.5 +- 1.9 ; 6.6 | NO NET DATA |
| 010 | 88/ | 12. | 22.1 +- 1.5 ; 5.5 | NO NET DATA |
| 011 | 83/ | 16. | MISSING OR DAMAGED DOSIMETER | |
| 012 | 83/ | 16. | MISSING OR DAMAGED DOSIMETER | |
| 013 | 83/ | 16. | 24.6 +- 1.7 ; 6.1 | NO NET DATA |
| 014 | 77 | 3.4 | 28.2 +- 2.0 ; 7.0 | NO NET DATA |
| 015 | 96 | 1.8 | 25.8 +- 1.9 ; 6.4 | NO NET DATA |
| 016 | 118 | 2.0 | 26.1 +- 1.8 ; 6.5 | NO NET DATA |
| 017 | 134 | 2.0 | 26.6 +- 1.9 ; 6.7 | NO NET DATA |
| 018 | 222 | 1.9 | 22.6 +- 1.6 ; 5.7 | NO NET DATA |
| 019 | 194 | 1.4 | 23.5 +- 1.6 ; 5.9 | NO NET DATA |
| 020 | 179 | 1.5 | 27.2 +- 1.9 ; 6.8 | NO NET DATA |
| 021 | 153 | 1.1 | 31.1 +- 2.2 ; 7.8 | NO NET DATA |

NO TRANSIT DOSE CALCULATED (TLD CONTROLS MISSING OR OTHERWISE NOT COMPLETE)

BIG ROCK
FOR THE PERIOD 831212-840420

**Lithium Borate**

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

| AZIMUTH (deg.) | AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 348.75-11.25 (N) | NO DATA+-NO DATA | 0 |
| 11.25-33.75 (NNE) | NO DATA+-NO DATA | 0 |
| 33.75-56.25 (NE) | NO DATA+-NO DATA | 0 |
| 56.25-78.75 (ENE) | 19.5 +- 0.0 | 1 |
| 78.75-101.25 (E) | 17.2 +- 1.6 | 3 |
| 101.25-123.75(ESE) | 17.2 +- .7 | 3 |
| 123.75-146.25(SE) | 18.8 +- .3 | 2 |
| 146.25-168.75(SSE) | 19.8 +- 2.4 | 2 |
| 168.75-191.25(S) | 17.6 +- 1.7 | 2 |
| 191.25-213.75(SSW) | 17.0 +- 2.5 | 3 |
| 213.75-236.25(SW) | 16.3 +- 1.0 | 2 |
| 236.25-258.75(WSW) | NO DATA+-NO DATA | 0 |
| 258.75-281.25(W) | NO DATA+-NO DATA | 0 |
| 281.25-303.75(WNW) | NO DATA+-NO DATA | 0 |
| 303.75-326.25(NW) | NO DATA+-NO DATA | 0 |
| 326.25-348.75(NNW) | NO DATA+-NO DATA | 0 |
| | | |

| DISTANCE(mi) FROM THE REACTOR | AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 0-2 | 18.1 +- 1.9 | 7 |
| 2-5 | 17.7 +- 1.5 | 10 |
| >5 | 15.3 +- 0.0 | 1 |
| UPWIND CONTROL DATA | 17.0 +- 0.0 | 1 |

BRAIDWOOD
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 831209-840407 120 DAYS
FIELD TIME 86 DAYS

| NRC STATION | LOCATION AZIMUTH/DIST (deg.) | (mi.) | GROSS EXPOSURE(mR) +- Rdm; Tot. | | NET EXPOSURE RATE mR/Std.Qtr. +- Rdm; Tot. | |
|---|---|---|---|---|---|---|
| 001 | 35I | .8 | 18.4 +- .6 | 2.8 | 10.7 +- .7 | 3.7 |
| 002 | 19 | 1.3 | 17.0 +- .5 | 2.5 | 9.2 +- .7 | 3.5 |
| 003 | 45 | 2 | 17.9 +- .5 | 2.7 | 10.1 +- .7 | 3.7 |
| 004 | 66 | 2.1 | 18.1 +- .5 | 2.7 | 10.3 +- .7 | 3.7 |
| 005 | 87 | 1.8 | 18.4 +- .6 | 2.8 | 10.7 +- .7 | 3.7 |
| 006 | 114 | 2 | 17.9 +- .5 | 2.7 | 10.2 +- .7 | 3.7 |
| 007 | 133 | 2.7 | 18.7 +- .6 | 2.8 | 11.0 +- .7 | 3.7 |
| 008 | 151 | 2.8 | 17.7 +- .5 | 2.6 | 9.9 +- .7 | 3.6 |
| 009 | 178 | 3.9 | 23.6 +- .7 | 3.5 | 16.1 +- .9 | 4.4 |
| 010 | 197 | 2.8 | 17.7 +- .5 | 2.6 | 9.9 +- .7 | 3.6 |
| 011 | 222 | 1.4 | 17.9 +- .5 | 2.7 | 10.2 +- .7 | 3.7 |
| 012 | 252 | 1.1 | 18.8 +- .6 | 2.8 | 11.1 +- .7 | 3.8 |
| 013 | 261 | 1.0 | 17.7 +- .5 | 2.6 | 9.9 +- .7 | 3.6 |
| 014 | 278 | 1.2 | 16.9 +- .5 | 2.5 | 9.1 +- .7 | 3.5 |
| 015 | 310 | 1.3 | 17.7 +- .5 | 2.6 | 9.9 +- .7 | 3.6 |
| 016 | 335 | 1.6 | 17.4 +- .5 | 2.5 | 9.6 +- .7 | 3.6 |
| 017 | 359 | 1.5 | 17.8 +- .5 | 2.7 | 10.0 +- .7 | 3.6 |
| 018 | 018 | 3.5 | 23.9 +- .7 | 3.6 | 16.4 +- .9 | 4.4 |
| 019 | 042 | 6.3 | MISSING OR DAMAGED DOSIMETER | | | |
| 020 | 069 | 5.7 | 20.2 +- .6 | 3.0 | 12.5 +- .8 | 3.9 |
| 021 | 086 | 6.8 | 21.0 +- .6 | 3.1 | 13.4 +- .8 | 4.0 |
| 022 | 100 | 10/ | 19.2 +- .6 | 2.9 | 11.5 +- .7 | 3.8 |
| 023 | 45/ | 4.9 | 19.5 +- .6 | 2.9 | 11.8 +- .7 | 3.9 |
| 024 | 070 | 4.2 | 17.9 +- .5 | 2.7 | 10.2 +- .7 | 3.7 |
| 025 | 086 | 4.1 | 18.0 +- .5 | 2.7 | 10.3 +- .7 | 3.7 |
| 026 | 113 | 4.4 | 18.9 +- .6 | 2.8 | 11.2 +- .7 | 3.8 |
| 027 | 142 | 6.4 | 20.1 +- .6 | 3.0 | 12.5 +- .8 | 3.9 |
| 028 | 161 | 6.1 | 18.6 +- .6 | 2.8 | 10.9 +- .7 | 3.7 |
| 029 | 180 | 6.1 | 24.7 +- .7 | 3.7 | 17.2 +- .9 | 4.5 |
| 030 | 191 | 5.8 | 22.8 +- .7 | 3.4 | 15.2 +- .8 | 4.3 |
| 031 | 230 | 5.8 | 20.4 +- .6 | 3.1 | 12.8 +- .8 | 4.0 |
| 032 | 266 | 5.3 | MISSING OR DAMAGED DOSIMETER | | | |
| 033 | 289 | 4.1 | 20.1 +- .6 | 3.0 | 12.4 +- .8 | 3.9 |
| 034 | 315 | 4.3 | 20.1 +- .6 | 3.0 | 12.5 +- .8 | 3.9 |
| 035 | 333 | 4.5 | 18.5 +- .6 | 2.8 | 10.7 +- .7 | 3.7 |
| 036 | 000 | 5.9 | MISSING OR DAMAGED DOSIMETER | | | |
| 037 | 021 | 5.3 | 17.4 +- .5 | 2.6 | 9.6 +- .7 | 3.6 |
| 038 | 190 | 10/ | 21.1 +- .6 | 3.2 | 13.5 +- .8 | 4.1 |
| 039 | 224 | 13/ | 18.1 +- .5 | 2.7 | 10.3 +- .7 | 3.7 |
| 040 | 224 | 13/ | 17.5 +- .5 | 2.6 | 9.8 +- .7 | 3.6 |
| TRANSIT DOSE = | 8.2 +- .4 | | 2.2 | | | |

BRAIDWOOD
FOR THE PERIOD 831209-840407

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

| AZIMUTH (deg.) | NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 348.75-11.25 (N) | 10.4 +- .5 | 2 |
| 11.25-33.75 (NNE) | 11.7 +- 4.1 | 3 |
| 33.75-56.25 (NE) | 11.0 +- 1.2 | 2 |
| 56.25-78.75 (ENE) | 11.0 +- 1.3 | 3 |
| 78.75-101.25 (E) | 11.5 +- 1.4 | 4 |
| 101.25-123.75(ESE) | 10.7 +- .7 | 2 |
| 123.75-146.25(SE) | 11.7 +- 1.1 | 2 |
| 146.25-168.75(SSE) | 10.4 +- .7 | 2 |
| 168.75-191.25(S) | 15.5 +- 1.5 | 4 |
| 191.25-213.75(SSW) | 9.9 +- 0.0 | 1 |
| 213.75-236.25(SW) | 11.5 +- 1.0 | 2 |
| 236.25-258.75(WSW) | 11.1 +- 0.0 | 1 |
| 258.75-281.25(W) | 9.5 +- .6 | 2 |
| 281.25-303.75(WNW) | 12.4 +- 0.0 | 1 |
| 303.75-326.25(NW) | 11.2 +- 1.0 | 2 |
| 326.25-348.75(NNW) | 10.2 +- .0 | 2 |
| | | |

| DISTANCE(mi) FROM THE REACTOR | NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 0-2 | 10.1 +- .6 | 12 |
| 2-5 | 11.0 +- 2.2 | 13 |
| >5 | 12.0 +- 2.2 | 10 |
| UPWIND CONTROL OATH | 10.0 +- .4 | 2 |

BROWNS FERRY
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 831214-840427 135 DAYS
FIELD TIME 91 DAYS

| NRC STATION | LOCATION AZIMUTH (deg.) | LOCATION DIST (mi.) | GROSS EXPOSURE(mR) +- Rdm;Tot. | NET EXPOSURE RATE mR/Std.Qtr. +- Rdm;Tot. |
|---|---|---|---|---|
| 001 | 130 | 9 | 19.8 +- .6 ; 3.0 | 16.0 +- .7 ; 3.4 |
| 002 | 133 | 5.5 | 20.1 +- .6 ; 3.0 | 16.3 +- .7 ; 3.4 |
| 003 | 153 | 4.3 | MISSING OR DAMAGED DOSIMETER | |
| 004 | 210 | 5.8 | 22.3 +- .7 ; 3.3 | 18.5 +- .8 ; 3.7 |
| 005 | 220 | 8 | 20.2 +- .6 ; 3.0 | 16.4 +- .7 ; 3.4 |
| 006 | 245 | 4.5 | 24.4 +- .7 ; 3.7 | 20.5 +- .8 ; 4.0 |
| 007 | 269 | 1.9 | 21.0 +- .6 ; 3.1 | 17.1 +- .7 ; 3.5 |
| 008 | 257 | 11. | 21.0 +- .6 ; 3.2 | 17.2 +- .7 ; 3.5 |
| 009 | 295 | 7 | 22.8 +- .7 ; 3.4 | 19.0 +- .8 ; 3.8 |
| 610 | 292 | 4.5 | 21.5 +- .6 ; 3.2 | 17.7 +- .7 ; 3.6 |
| 011 | 269 | 1.9 | 21.5 +- .6 ; 3.2 | 17.6 +- .7 ; 3.6 |
| 012 | 240 | 2.6 | 20.9 +- .6 ; 3.1 | 17.1 +- .7 ; 3.5 |
| 013 | 220 | 1.7 | 22.0 +- .7 ; 3.3 | 18.1 +- .8 ; 3.7 |
| 014 | 268 | 17 | 22.4 +- .7 ; 3.4 | 18.5 +- .8 ; 3.7 |
| 015 | 301 | 3 | MISSING OR DAMAGED DOSIMETER | |
| 016 | 181 | 3 | 22.1 +- .7 ; 3.3 | 18.3 +- .8 ; 3.7 |
| 017 | 50 | 9.5 | MISSING OR DAMAGED DOSIMETER | |
| 018 | 51 | 3.5 | 21.2 +- .6 ; 3.2 | 17.4 +- .7 ; 3.6 |
| 019 | 62 | 3.2 | MISSING OR DAMAGED DOSIMETER | |
| 020 | 86 | 3.8 | 25.1 +- .8 ; 3.8 | 21.2 +- .8 ; 4.1 |
| 021 | 111 | 3.1 | MISSING OR DAMAGED DOSIMETER | |
| 022 | 64 | 1.1 | 27.0 +- .8 ; 4.1 | 23.1 +- .9 ; 4.3 |
| 023 | 90 | 2.6 | 23.5 +- .7 ; 3.5 | 19.7 +- .8 ; 3.9 |
| 024 | 111 | .8 | 23.4 +- .7 ; 3.5 | 19.6 +- .8 ; 3.9 |
| 025 | 46 | 2.2 | 15.0 +- .4 ; 2.2 | 11.2 +- .5 ; 2.8 |
| 026 | 26 | 1.4 | 26.5 +- .8 ; 4.0 | 22.6 +- .9 ; 4.3 |
| 027 | 333 | 1.7 | 22.2 +- .7 ; 3.3 | 18.4 +- .8 ; 3.7 |
| 028 | 336 | 1 | 25.0 +- .7 ; 3.7 | 21.1 +- .8 ; 4.1 |
| 029 | 27 | 3.8 | MISSING OR DAMAGED DOSIMETER | |
| 030 | 0 | 4 | 22.2 +- .7 ; 3.3 | 18.3 +- .8 ; 3.7 |
| 031 | 340 | 5.3 | 22.8 +- .7 ; 3.4 | 18.9 +- .8 ; 3.8 |
| 032 | 312 | 12 | 23.7 +- .7 ; 3.5 | 19.8 +- .8 ; 3.9 |
| 033 | 0 | 1.5 | 25.2 +- .8 ; 3.8 | 21.3 +- .9 ; 4.1 |
| 034 | 52 | 7 | 22.2 +- .7 ; 3.3 | 18.3 +- .8 ; 3.7 |
| 035 | 95 | 5.4 | 23.9 +- .7 ; 3.4 | 19.1 +- .8 ; 3.8 |
| 036 | 60 | 5.6 | MISSING OR DAMAGED DOSIMETER | |
| 037 | 149 | 7.8 | 21.3 +- .6 ; 3.2 | 17.5 +- .7 ; 3.6 |
| 038 | 164 | 7 | 19.8 +- .6 ; 3.0 | 16.0 +- .7 ; 3.4 |

TRANSIT DOSE = 3.6 +- .4 ; 1.7

BROWNS FERRY
FOR THE PERIOD 831214-840427

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

| AZIMUTH (deg.) | NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 348.75-11.25 (N) | 19.8 +- 2.1 | 2 |
| 11.25-33.75 (NNE) | 22.6 +- 0.0 | 1 |
| 33.75-56.25 (NE) | 15.6 +- 3.9 | 3 |
| 56.25-78.75 (ENE) | 23.1 +- 0.0 | 1 |
| 78.75-101.25 (E) | 20.0 +- 1.1 | 3 |
| 101.25-123.75(ESE) | 19.6 +- 0.0 | 1 |
| 123.75-146.25(SE) | 16.1 +- .2 | 2 |
| 146.25-168.75(SSE) | 16.7 +- 1.0 | 2 |
| 168.75-191.25(S) | 18.3 +- 0.0 | 1 |
| 191.25-213.75(SSW) | 18.5 +- 0.0 | 1 |
| 213.75-236.25(SW) | 17.3 +- 1.2 | 2 |
| 236.25-258.75(WSW) | 18.8 +- 2.4 | 2 |
| 258.75-281.25(W) | 17.4 +- .3 | 2 |
| 281.25-303.75(WNW) | 18.3 +- .9 | 2 |
| 303.75-326.25(NW) | 19.8 +- 0.0 | 1 |
| 326.25-348.75(NNW) | 19.5 +- 1.4 | 3 |
| | | |

| DISTANCE(mi) FROM THE REACTOR | NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 0-2 | 19.9 +- 2.2 | 9 |
| 2-5 | 17.7 +- 3.0 | 8 |
| >5 | 17.8 +- 1.4 | 12 |
| UPWIND CONTROL DATA | 17.8 +- .8 | 2 |

BRUNSWICK
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 831213-840411 120 DAYS
FIELD TIME 90 DAYS

| NRC STATION | LOCATION AZIMUTH/DIST (deg.) | (mi.) | GROSS EXPOSURE(mR) +- Rdm;Tot. | NET EXPOSURE RATE mR/Std.Qtr. +- Rdm;Tot. |
|---|---|---|---|---|
| 001 | 260 | 2.2 | 15.6 +- .5 | 8.3 +- .7 |
| 002 | 245 | 3.4 | 15.9 +- .5 | 8.6 +- .7 |
| 003 | 231 | 3.8 | 15.4 +- .5 | 8.0 +- .7 |
| 004 | 210 | 4.9 | 17.6 +- .5 | 10.2 +- .7 |
| 005 | 186 | 4.3 | 17.2 +- .5 | 9.8 +- .7 |
| 006 | 270 | 4.5 | 15.5 +- .5 | 8.2 +- .7 |
| 007 | 272 | 4.4 | 16.0 +- .5 | 8.6 +- .7 |
| 008 | 73 | 1.3 | 17.9 +- .5 | 10.6 +- .7 |
| 009 | 97 | 1.0 | 18.1 +- .5 | 10.7 +- .7 |
| 010 | 120 | 1.5 | 17.5 +- .5 | 10.2 +- .7 |
| 011 | 131 | 0.9 | 18.0 +- .5 | 10.6 +- .7 |
| 012 | 156 | 1.1 | 17.9 +- .5 | 10.6 +- .7 |
| 013 | 180 | 1.1 | 17.8 +- .5 | 10.5 +- .7 |
| 014 | 194 | 2.4 | 18.1 +- .5 | 10.8 +- .7 |
| 015 | 201 | 2.0 | 17.5 +- .5 | 10.2 +- .7 |
| 016 | 218 | 1.2 | 18.3 +- .5 | 11.0 +- .8 |
| 017 | 252 | 1.1 | 17.6 +- .5 | 10.2 +- .7 |
| 018 | 272 | 1.2 | 17.6 +- .5 | 10.3 +- .7 |
| 019 | 19 | 1.1 | 16.2 +- .5 | 8.8 +- .7 |
| 020 | 2 | 1.1 | 16.7 +- .5 | 9.4 +- .7 |
| 021 | 288 | 1.3 | 15.8 +- .5 | 8.3 +- .7 |
| 022 | 307 | 1.5 | 15.9 +- .5 | 8.4 +- .7 |
| 023 | 330 | 2. | 16.3 +- .5 | 9.1 +- .7 |
| 024 | 325 | 4.9 | 15.8 +- .5 | 7.9 +- .7 |
| 025 | 338 | 3.8 | 16.5 +- .5 | 9.1 +- .7 |
| 026 | 356 | 5.2 | 16.3 +- .5 | 8.9 +- .7 |
| 027 | 30 | 6.4 | 16.0 +- .5 | 8.6 +- .7 |
| 028 | 43 | 9.0 | 17.3 +- .5 | 10.0 +- .7 |
| 029 | 50 | 8.5 | 15.9 +- .5 | 8.6 +- .7 |
| 030 | 59 | 7.2 | 15.9 +- .5 | 8.5 +- .7 |
| 031 | 68 | 6.6 | 17.5 +- .5 | 10.3 +- .7 |
| 032 | 74 | 5.8 | 17.3 +- .5 | 10.0 +- .7 |
| 033 | 88 | 4.1 | 15.6 +- .5 | 8.2 +- .7 |
| 034 | 122 | 17. | 17.3 +- .5 | 10.0 +- .7 |
| 035 | 162 | 18. | 15.9 +- .5 | 8.6 +- .7 |
| 036 | 284 | 15. | 16.4 +- .5 | 9.1 +- .7 |
| 037 | 284 | 15. | 17.9 +- .5 | 10.6 +- .7 |
| 038 | 285 | 15. | 15.8 +- .5 | 8.4 +- .7 |
| 039 | 287 | 4.8 | 15.1 +- .5 | 7.7 +- .7 |
| 040 | 271 | 0.7 | 18.0 +- .5 | 10.7 +- .7 |
| TRANSIT DOSE = | 7.3 | +- .5 | 2.4 | |

BRUNSWICK
FOR THE PERIOD 831213-840411

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

| AZIMUTH (deg.) | NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 348.75-11.25 (N) | 9.2 +- .3 | 2 |
| 11.25-33.75 (NNE) | 9.0 +- .7 | 4 |
| 33.75-56.25 (NE) | 9.5 +- .7 | 2 |
| 56.25-78.75 (ENE) | 9.8 +- .9 | 4 |
| 78.75-101.25 (E) | 9.5 +- 1.8 | 2 |
| 101.25-123.75(ESE) | 10.2 +- 0.0 | 1 |
| 123.75-146.25(SE) | 10.6 +- 0.0 | 1 |
| 146.25-168.75(SSE) | 10.6 +- 0.0 | 1 |
| 168.75-191.25(S) | 10.2 +- .5 | 2 |
| 191.25-213.75(SSW) | 10.4 +- .3 | 3 |
| 213.75-236.25(SW) | 9.5 +- 2.1 | 2 |
| 236.25-258.75(WSW) | 9.4 +- 1.2 | 2 |
| 258.75-281.25(W) | 9.2 +- 1.2 | 5 |
| 281.25-303.75(WNW) | 8.0 +- .4 | 2 |
| 303.75-326.25(NW) | 8.2 +- .5 | 2 |
| 326.25-348.75(NNW) | 9.3 +- .3 | 2 |
| | | |

| DISTANCE(mi) FROM THE REACTOR | NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 0-2 | 10.0 +- .8 | 16 |
| 2-5 | 8.8 +- 1.0 | 12 |
| >5 | 9.3 +- .7 | 9 |
| UPWIND CONTROL DATA | 9.7 +- .8 | 3 |

BYRON
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 831209-840406 119 DAYS
FIELD TIME 87 DAYS

| NRC STATION | LOCATION AZIMUTH (deg.) | LOCATION DIST (mi.) | GROSS EXPOSURE(mR) +- Rdm;Tot. | NET EXPOSURE RATE mR/Std.Qtr. +- Rdm;Tot. |
|---|---|---|---|---|
| 001 | 10 | 1.1 | 20.7 +- .6 ; 3.1 | 16.9 +- .8 ; 3.8 |
| 002 | 23 | 1.0 | 19.5 +- .6 ; 2.9 | 15.7 +- .8 ; 3.7 |
| 003 | 46 | 1.6 | 19.2 +- .6 ; 2.9 | 15.3 +- .8 ; 3.6 |
| 004 | 68 | 1.6 | 20.9 +- .6 ; 3.1 | 17.1 +- .8 ; 3.9 |
| 005 | 86 | 1.4 | 21.0 +- .6 ; 3.2 | 17.2 +- .8 ; 3.9 |
| 006 | 112 | 1.3 | 20.0 +- .6 ; 3.0 | 16.1 +- .8 ; 3.7 |
| 007 | 133 | 1.4 | 19.2 +- .6 ; 2.9 | 15.3 +- .8 ; 3.6 |
| 008 | 175 | 2.2 | 20.5 +- .6 ; 3.1 | 16.7 +- .8 ; 3.8 |
| 009 | 156 | 0.6 | 18.5 +- .6 ; 2.8 | 14.6 +- .8 ; 3.4 |
| 010 | 183 | 0.5 | 20.4 +- .6 ; 3.1 | 16.6 +- .8 ; 3.8 |
| 011 | 210 | 0.6 | 19.0 +- .6 ; 2.9 | 15.2 +- .8 ; 3.5 |
| 012 | 236 | 0.9 | 20.8 +- .6 ; 3.1 | 17.0 +- .8 ; 3.9 |
| 013 | 247 | 0.8 | 20.7 +- .6 ; 3.1 | 16.9 +- .8 ; 3.8 |
| 014 | 262 | 0.7 | 20.4 +- .6 ; 3.1 | 16.6 +- .8 ; 3.8 |
| 015 | 298 | 0.8 | 20.2 +- .6 ; 3.0 | 16.4 +- .8 ; 3.8 |
| 016 | 326 | 1.0 | 18.9 +- .6 ; 2.9 | 15.1 +- .8 ; 3.5 |
| 017 | 333 | 1.6 | 18.7 +- .6 ; 2.8 | 14.8 +- .8 ; 3.4 |
| 018 | 23 | 4.0 | 18.0 +- .6 ; 2.7 | 14.1 +- .7 ; 3.3 |
| 019 | 17 | 4.1 | 17.8 +- .6 ; 2.7 | 13.9 +- .7 ; 3.2 |
| 020 | 5 | 4.3 | 18.9 +- .6 ; 2.9 | 15.0 +- .7 ; 3.4 |
| 021 | 340 | 4.2 | 20.5 +- .6 ; 3.1 | 16.7 +- .7 ; 3.8 |
| 022 | 322 | 4.9 | 19.0 +- .6 ; 2.9 | 15.2 +- .7 ; 3.5 |
| 023 | 304 | 6.9 | 17.8 +- .6 ; 2.7 | 13.9 +- .7 ; 3.2 |
| 024 | 270 | 4.8 | 18.4 +- .6 ; 2.8 | 14.5 +- .7 ; 3.3 |
| 025 | 244 | 4.6 | 17.5 +- .6 ; 2.6 | 13.6 +- .7 ; 3.1 |
| 026 | 224 | 4.0 | 20.6 +- .6 ; 3.1 | 16.8 +- .7 ; 3.8 |
| 027 | 213 | 5.2 | 17.0 +- .6 ; 2.6 | 13.0 +- .7 ; 3.0 |
| 028 | 209 | 14. | 17.1 +- .6 ; 2.6 | 13.2 +- .7 ; 3.0 |
| 029 | 215 | 13. | 19.6 +- .6 ; 2.9 | 15.7 +- .7 ; 3.6 |
| 030 | 218 | 13. | 21.4 +- .6 ; 3.2 | 17.6 +- .7 ; 4.0 |
| 031 | 204 | 4.6 | 17.2 +- .6 ; 2.6 | 13.3 +- .7 ; 3.0 |
| 032 | 190 | 4.4 | 18.5 +- .6 ; 2.8 | 14.6 +- .7 ; 3.3 |
| 033 | 158 | 3.9 | 19.9 +- .6 ; 2.9 | 16.1 +- .7 ; 3.6 |
| 034 | 138 | 4.6 | 19.0 +- .6 ; 2.9 | 15.2 +- .7 ; 3.5 |
| 035 | 110 | 4.4 | 20.7 +- .6 ; 3.1 | 16.9 +- .7 ; 3.8 |
| 036 | 81 | 3.8 | 18.3 +- .6 ; 2.8 | 14.4 +- .7 ; 3.3 |
| 037 | 70 | 5.5 | 17.9 +- .6 ; 2.7 | 14.0 +- .7 ; 3.2 |
| 038 | 48 | 4.0 | 18.5 +- .6 ; 2.8 | 14.6 +- .7 ; 3.3 |
| 039 | 40 | 6.3 | 21.0 +- .6 ; 3.2 | 17.2 +- .7 ; 3.9 |
| 040 | 45 | 15. | 17.4 +- .6 ; 2.6 | 13.5 +- .7 ; 3.1 |
| 041 | 320 | 0.0 | 21.8 +- .6 ; 3.1 | 17.0 +- .7 ; 3.9 |
| TRANSIT DOSE = 4.3 +- .5 ; 2.0 | | | | |

BYRON
FOR THE PERIOD 831209-840406

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

| AZIMUTH (deg.) | NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 348.75-11.25 (N) | 16.0 +- 1.4 | 2 |
| 11.25-33.75 (NNE) | 14.5 +- 1.0 | 3 |
| 33.75-56.25 (NE) | 15.2 +- 1.6 | 4 |
| 56.25-78.75 (ENE) | 15.6 +- 2.2 | 2 |
| 78.75-101.25 (E) | 15.8 +- 2.0 | 2 |
| 101.25-123.75(ESE) | 16.5 +- .5 | 2 |
| 123.75-146.25(SE) | 15.6 +- .4 | 2 |
| 146.25-168.75(SSE) | 15.4 +- 1.0 | 2 |
| 168.75-191.25(S) | 15.9 +- 1.2 | 3 |
| 191.25-213.75(SSW) | 13.8 +- 1.2 | 3 |
| 213.75-236.25(SW) | 16.9 +- .1 | 2 |
| 236.25-258.75(WSW) | 15.2 +- 2.3 | 2 |
| 258.75-281.25(W) | 15.6 +- 1.5 | 2 |
| 281.25-303.75(WNW) | 16.4 +- 0.0 | 1 |
| 303.75-326.25(NW) | 15.3 +- 1.3 | 4 |
| 326.25-348.75(NNW) | 15.8 +- 1.4 | 2 |
| | | |

| DISTANCE(mi) FROM THE REACTOR | NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 0-2 | 16.1 +- .9 | 16 |
| 2-5 | 15.3 +- 1.3 | 17 |
| >5 | 14.3 +- 1.6 | 5 |
| UPWIND CONTROL DATA | 15.5 +- 2.2 | 3 |

CALLAWAY
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 831213-840412 121 DAYS
FIELD TIME 91 DAYS

| NRC STATION | LOCATION AZIMUTH (deg.) | LOCATION DIST (mi.) | GROSS EXPOSURE(mR) +- Rdm; Tot. | | | NET EXPOSURE RATE mR/Std.Qtr. +- Rdm; Tot. | | | |
|---|---|---|---|---|---|---|---|---|---|
| 001 | 247 | 2.1 | 22.3 | +- .7 | 3.3 | 18.3 | +- .8 | | 3.9 |
| 002 | 259 | 1.4 | 21.4 | +- .6 | 3.2 | 17.4 | +- .8 | | 3.8 |
| 003 | 282 | 1.3 | 24.4 | +- .7 | 3.7 | 20.4 | +- .9 | | 4.2 |
| 004 | 304 | 1.3 | 22.0 | +- .7 | 3.3 | 18.0 | +- .8 | | 3.9 |
| 005 | 330 | 1.7 | 21.6 | +- .6 | 3.2 | 17.6 | +- .8 | | 3.8 |
| 006 | 1 | 1.7 | 20.3 | +- .6 | 3.0 | 16.3 | +- .8 | | 3.6 |
| 007 | 23 | 2 | 20.7 | +- .6 | 3.1 | 16.7 | +- .8 | | 3.7 |
| 008 | 77 | .7 | 22.3 | +- .7 | 3.3 | 18.3 | +- .8 | | 3.9 |
| 009 | 85 | 1.4 | 21.6 | +- .6 | 3.2 | 17.6 | +- .8 | | 3.8 |
| 010 | 98 | 1.5 | 21.1 | +- .6 | 3.2 | 17.1 | +- .8 | | 3.7 |
| 011 | 121 | 2 | 20.1 | +- .6 | 3.0 | 16.1 | +- .8 | | 3.6 |
| 012 | 140 | 2 | 21.0 | +- .6 | 3.2 | 17.0 | +- .8 | | 3.7 |
| 013 | 158 | 2.5 | MISSING OR DAMAGED DOSIMETER | | | | | | |
| 014 | 183 | 3.7 | 23.6 | +- .7 | 3.5 | 19.5 | +- .8 | | 4.1 |
| 015 | 188 | 1.7 | 22.4 | +- .7 | 3.4 | 18.4 | +- .8 | | 3.9 |
| 016 | 202 | .7 | 21.5 | +- .6 | 3.2 | 17.5 | +- .8 | | 3.8 |
| 017 | 237 | .7 | 21.0 | +- .6 | 3.2 | 17.0 | +- .8 | | 3.7 |
| 018 | 312 | 11 | 21.5 | +- .6 | 3.2 | 17.5 | +- .8 | | 3.8 |
| 019 | 292 | 10 | 21.7 | +- .6 | 3.2 | 17.7 | +- .8 | | 3.8 |
| 020 | 268 | 9 | 22.1 | +- .7 | 3.3 | 18.1 | +- .8 | | 3.9 |
| 021 | 247 | 8 | 22.0 | +- .7 | 3.3 | 18.0 | +- .8 | | 3.9 |
| 022 | 225 | 8 | 20.9 | +- .6 | 3.1 | 16.9 | +- .8 | | 3.7 |
| 023 | 220 | 8 | 22.7 | +- .7 | 3.4 | 18.7 | +- .8 | | 3.9 |
| 024 | 205 | .5 | 18.9 | +- .5 | 2.8 | 14.9 | +- .7 | | 3.5 |
| 025 | 157 | 4 | 22.6 | +- .7 | 3.4 | 18.6 | +- .8 | | 3.9 |
| 026 | 134 | 5 | 20.2 | +- .6 | 3.0 | 16.2 | +- .8 | | 3.6 |
| 027 | 115 | 4.2 | 22.8 | +- .7 | 3.4 | 18.8 | +- .8 | | 4.0 |
| 028 | 95 | 3.5 | 22.3 | +- .7 | 3.3 | 18.3 | +- .8 | | 3.9 |
| 029 | 67 | 3.4 | 22.9 | +- .7 | 3.4 | 18.8 | +- .8 | | 4.0 |
| 030 | 48 | 4.5 | 20.1 | +- .6 | 3.0 | 16.1 | +- .8 | | 3.6 |
| 031 | 14 | 5 | 22.5 | +- .7 | 3.4 | 18.5 | +- .8 | | 3.9 |
| 032 | 2 | 5.1 | 23.1 | +- .7 | 3.5 | 19.1 | +- .8 | | 4.0 |
| 033 | 335 | 5.6 | 20.2 | +- .6 | 3.0 | 16.2 | +- .8 | | 3.6 |
| 034 | 288 | 4.3 | 23.1 | +- .7 | 3.5 | 19.1 | +- .8 | | 4.0 |
| 035 | 310 | 5.2 | 22.2 | +- .7 | 3.3 | 18.2 | +- .8 | | 3.9 |
| 036 | 264 | 5.2 | 18.7 | +- .6 | 2.8 | 14.7 | +- .7 | | 3.5 |
| 037 | 237 | 5.0 | 22.8 | +- .7 | 3.4 | 18.8 | +- .8 | | 4.0 |
| 038 | 270 | 18. | 19.4 | +- .6 | 2.9 | 15.4 | +- .7 | | 3.5 |
| 039 | 270 | 15 | 18.1 | +- .5 | 2.7 | 14.1 | +- .7 | | 3.4 |
| 040 | 203 | 20 | 22.0 | +- .7 | 3.3 | 18.0 | +- .8 | | 3.9 |

TRANSIT DOSE = 3.8 +- .5 ; 2.1

CALLAWAY
FOR THE PERIOD 831213-840412

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

| AZIMUTH (deg.) | NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 348.75-11.25 (N) | 17.7 +- 2.0 | 2 |
| 11.25-33.75 (NNE) | 17.6 +- 1.3 | 2 |
| 33.75-56.25 (NE) | 16.1 +- 0.0 | 1 |
| 56.25-78.75 (ENE) | 18.6 +- .4 | 2 |
| 78.75-101.25 (E) | 17.7 +- .6 | 3 |
| 101.25-123.75(ESE) | 17.5 +- 1.9 | 2 |
| 123.75-146.25(SE) | 16.6 +- .6 | 2 |
| 146.25-168.75(SSE) | 18.6 +- 0.0 | 1 |
| 168.75-191.25(S) | 18.9 +- .8 | 2 |
| 191.25-213.75(SSW) | 16.2 +- 1.8 | 2 |
| 213.75-236.25(SW) | 17.8 +- 1.3 | 2 |
| 236.25-258.75(WSW) | 18.0 +- .7 | 4 |
| 258.75-281.25(W) | 16.7 +- 1.8 | 3 |
| 281.25-303.75(WNW) | 19.0 +- 1.4 | 3 |
| 303.75-326.25(NW) | 17.9 +- .4 | 3 |
| 326.25-348.75(NNW) | 16.9 +- 1.0 | 2 |
| | | |

| DISTANCE(mi) FROM THE REACTOR | NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 0-2 | 17.5 +- 1.1 | 14 |
| 2-5 | 17.8 +- 1.6 | 12 |
| >5 | 17.8 +- 1.2 | 10 |
| UPWIND CONTROL DATA | 15.8 +- 2.0 | 3 |

CALVERT CLIFFS
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 840117-840413 87 DAYS
FIELD TIME 83 DAYS

| NRC STATION | LOCATION AZIMUTH (deg.) | DIST (mi.) | GROSS EXPOSURE(mR) +- Rdm;Tot. | NET EXPOSURE RATE mR/Std.Qtr. +- Rdm;Tot. |
|---|---|---|---|---|
| 001 | 275 | 1.5 | 10.3 +- .3 ; 1.5 | NO NET DATA |
| 003 | 284 | 1.7 | 10.6 +- .3 ; 1.6 | NO NET DATA |
| 004 | 323 | 2.4 | MISSING OR DAMAGED DOSIMETER | |
| 005 | 297 | 3.1 | 10.6 +- .3 ; 1.6 | NO NET DATA |
| 006 | 324 | 4.7 | 10.6 +- .3 ; 1.6 | NO NET DATA |
| 007 | 324 | 5.5 | 10.6 +- .3 ; 1.5 | NO NET DATA |
| 008 | 256 | 6.1 | 9.0 +- .3 ; 1.3 | NO NET DATA |
| 009 | 273 | 4.1 | 11.4 +- .3 ; 1.7 | NO NET DATA |
| 010 | 253 | 3.7 | MISSING OR DAMAGED DOSIMETER | |
| 011 | 230 | 4 | 12.9 +- .4 ; 1.9 | NO NET DATA |
| 012 | 243 | 1.3 | 12.9 +- .4 ; 1.9 | NO NET DATA |
| 013 | 222 | 1.5 | 12.7 +- .4 ; 1.9 | NO NET DATA |
| 014 | 208 | 1.8 | 10.1 +- .3 ; 1.5 | NO NET DATA |
| 015 | 176 | 2.4 | 12.5 +- .4 ; 1.9 | NO NET DATA |
| 016 | 160 | 1.5 | MISSING OR DAMAGED DOSIMETER | |
| 019 | 159 | 3.8 | MISSING OR DAMAGED DOSIMETER | |
| 020 | 139 | 4.7 | 9.5 +- .3 ; 1.4 | NO NET DATA |
| 021 | 201 | 4 | 11.5 +- .3 ; 1.7 | NO NET DATA |
| 022 | 187 | 4.7 | 11.0 +- .3 ; 1.7 | NO NET DATA |
| 023 | 201 | 8.7 | 12.1 +- .4 ; 1.8 | NO NET DATA |
| 024 | 190 | 7.8 | 9.8 +- .3 ; 1.5 | NO NET DATA |
| 025 | 325 | 6.7 | 11.0 +- .3 ; 1.7 | NO NET DATA |
| 026 | 314 | 10. | 10.6 +- .3 ; 1.6 | NO NET DATA |
| 027 | 314 | 10. | 11.3 +- .3 ; 1.7 | NO NET DATA |
| 028 | 315 | 10. | 11.6 +- .3 ; 1.7 | NO NET DATA |
| 029 | 186 | 11. | MISSING OR DAMAGED DOSIMETER | |

NO TRANSIT DOSE CALCULATED (TLD CONTROLS MISSING OR OTHERWISE NOT COMPLETE)

CALVERT CLIFFS
FOR THE PERIOD 840117-840413

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

| AZIMUTH (deg.) | AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 348.75-11.25 (N) | NO DATA+-NO DATA | 0 |
| 11.25-33.75 (NNE) | NO DATA+-NO DATA | 0 |
| 33.75-56.25 (NE) | NO DATA+-NO DATA | 0 |
| 56.25-78.75 (ENE) | NO DATA+-NO DATA | 0 |
| 78.75-101.25 (E) | NO DATA+-NO DATA | 0 |
| 101.25-123.75(ESE) | NO DATA+-NO DATA | 0 |
| 123.75-146.25(SE) | 9.9 +- 0.0 | 1 |
| 146.25-168.75(SSE) | NO DATA+-NO DATA | 0 |
| 168.75-191.25(S) | 11.5 +- 1.4 | 3 |
| 191.25-213.75(SSW) | 11.6 +- 1.1 | 3 |
| 213.75-236.25(SW) | 13.2 +- .1 | 2 |
| 236.25-258.75(WSW) | 11.3 +- 2.8 | 2 |
| 258.75-281.25(W) | 11.2 +- .8 | 2 |
| 281.25-303.75(WNW) | 10.9 +- .0 | 2 |
| 303.75-326.25(NW) | 11.1 +- .3 | 3 |
| 326.25-348.75(NNW) | NO DATA+-NO DATA | 0 |
| | | |

| DISTANCE(mi) FROM THE REACTOR | AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 0-2 | 11.7 +- 1.4 | 5 |
| 2-5 | 11.6 +- 1.1 | 8 |
| >5 | 10.8 +- 1.2 | 5 |
| UPWIND CONTROL DATA | 11.6 +- .5 | 3 |

CATAWBA
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 831214-840504 142 DAYS
FIELD TIME 92 DAYS

| NRC STATION | LOCATION AZIMUTH/DIST (deg.) | (mi.) | GROSS EXPOSURE(mR) +- Rdm; | Tot. | NET EXPOSURE RATE mR/Std.Qtr. +- Rdm; | Tot. |
|---|---|---|---|---|---|---|
| 001 | 134 | 0.1 | 24.0 +- .7 | 3.6 | 11.5 +- .9 | 4.6 |
| 002 | 162 | 0.4 | 22.6 +- .7 | 3.4 | 10.2 +- .8 | 4.5 |
| 003 | 132 | 0.8 | 22.7 +- .7 | 3.4 | 10.2 +- .8 | 4.5 |
| 004 | 111 | 1.3 | 23.3 +- .7 | 3.5 | 10.8 +- .8 | 4.5 |
| 005 | 045 | 0.7 | MISSING OR DAMAGED DOSIMETER | | | |
| 006 | 293 | 1.3 | 24.7 +- .7 | 3.7 | 12.2 +- .9 | 4.7 |
| 007 | 004 | 0.6 | 22.8 +- .7 | 3.4 | 10.4 +- .8 | 4.5 |
| 008 | 332 | 1.5 | 27.2 +- .8 | 4.1 | 14.6 +- .9 | 5.0 |
| 009 | 318 | 1.6 | 20.4 +- .6 | 3.1 | 8.0 +- .8 | 4.2 |
| 010 | 176 | 1.8 | 26.4 +- .8 | 4.0 | 13.9 +- .9 | 4.9 |
| 011 | 203 | 1.5 | 24.8 +- .7 | 3.7 | 12.3 +- .9 | 4.7 |
| 012 | 225 | 1.5 | 26.1 +- .8 | 3.9 | 13.6 +- .9 | 4.9 |
| 013 | 250 | 1.9 | 22.5 +- .7 | 3.4 | 10.1 +- .8 | 4.5 |
| 014 | 270 | 1.4 | 20.5 +- .6 | 3.1 | 8.1 +- .8 | 4.2 |
| 015 | 331 | 3.0 | 20.6 +- .6 | 3.1 | 8.2 +- .8 | 4.3 |
| 016 | 311 | 3.9 | 21.3 +- .6 | 3.2 | 8.8 +- .8 | 4.3 |
| 017 | 296 | 9.5 | 27.2 +- .8 | 4.1 | 14.6 +- .9 | 5.0 |
| 018 | 324 | 4.8 | 26.2 +- .8 | 3.9 | 13.7 +- .9 | 4.9 |
| 019 | 353 | 4.8 | 21.2 +- .6 | 3.2 | 8.8 +- .8 | 4.3 |
| 020 | 022 | 4.0 | 24.1 +- .7 | 3.6 | 11.6 +- .9 | 4.6 |
| 021 | 290 | 3.9 | 21.7 +- .6 | 3.2 | 9.2 +- .8 | 4.4 |
| 022 | 266 | 4.0 | 21.9 +- .7 | 3.3 | 9.5 +- .8 | 4.4 |
| 023 | 251 | 4.0 | 19.1 +- .6 | 2.9 | 6.7 +- .8 | 4.1 |
| 024 | 229 | 3.9 | 19.3 +- .6 | 2.9 | 6.9 +- .8 | 4.1 |
| 025 | 202 | 4.4 | 25.2 +- .8 | 3.8 | 12.7 +- .9 | 4.8 |
| 026 | 051 | 4.3 | 25.4 +- .8 | 3.8 | 12.9 +- .9 | 4.8 |
| 027 | 064 | 7.9 | 19.6 +- .6 | 2.9 | 7.2 +- .8 | 4.1 |
| 028 | 061 | 4.9 | 23.3 +- .7 | 3.5 | 10.8 +- .9 | 4.5 |
| 029 | 049 | 1.9 | 22.5 +- .7 | 3.4 | 10.1 +- .8 | 4.5 |
| 030 | 064 | 1.8 | 21.2 +- .6 | 3.2 | 8.8 +- .8 | 4.3 |
| 031 | 087 | 1.6 | 21.8 +- .7 | 3.3 | 9.3 +- .8 | 4.4 |
| 032 | 121 | 2.6 | 20.7 +- .6 | 3.1 | 8.2 +- .8 | 4.3 |
| 033 | 114 | 7.6 | 20.6 +- .6 | 3.1 | 8.2 +- .8 | 4.2 |
| 034 | 093 | 4.5 | 22.8 +- .7 | 3.4 | 10.4 +- .8 | 4.5 |
| 035 | 132 | 4.3 | 26.9 +- .8 | 4.0 | 14.3 +- .9 | 4.9 |
| 036 | 163 | 8.9 | 19.5 +- .6 | 2.9 | 7.1 +- .8 | 4.1 |
| 037 | 173 | 4.9 | 19.8 +- .6 | 3.0 | 7.4 +- .8 | 4.2 |
| 038 | 157 | 4.6 | 23.7 +- .7 | 3.5 | 11.2 +- .9 | 4.6 |
| 039 | 248 | 10. | 22.7 +- .7 | 3.4 | 10.3 +- .9 | 4.6 |
| 040 | 229 | 12. | 19.2 +- .6 | 2.9 | 6.8 +- .8 | 4.1 |
| 041 | 218 | 13. | 20.1 +- .6 | 3.0 | 7.7 +- .8 | 4.2 |
| 042 | 213 | 16. | 20.7 +- .6 | 3.1 | 8.3 +- .8 | 4.3 |
| TRANSIT DOSE = | 12.2 +- .5 | 3.1 | | | | |

CATAWBA
FOR THE PERIOD 831214-840504

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

| AZIMUTH (dwg.) | NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 348.75-11.25 (N) | 9.6 +- 1.1 | 2 |
| 11.25-33.75 (NNE) | 11.6 +- 0.0 | 1 |
| 33.75-56.25 (NE) | 11.5 +- 2.0 | 2 |
| 56.25-78.75 (ENE) | 9.0 +- 1.8 | 3 |
| 78.75-101.25 (E) | 9.8 +- .7 | 2 |
| 101.25-123.75(ESE) | 9.1 +- 1.5 | 3 |
| 123.75-146.25(SE) | 12.0 +- 2.1 | 3 |
| 146.25-168.75(SSE) | 9.5 +- 2.2 | 3 |
| 168.75-191.25(S) | 10.6 +- 4.6 | 2 |
| 191.25-213.75(SSW) | 12.5 +- .3 | 2 |
| 213.75-236.25(SW) | 10.2 +- 4.7 | 2 |
| 236.25-258.75(WSW) | 9.0 +- 2.0 | 3 |
| 258.75-281.25(W) | 8.0 +- 1.0 | 2 |
| 281.25-303.75(WNW) | 12.0 +- 2.7 | 3 |
| 303.75-326.25(NW) | 10.2 +- 3.1 | 3 |
| 326.25-348.75(NNW) | 11.4 +- 4.5 | 2 |
| | | |

| DISTANCE(mi) FROM THE REACTOR | NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 0-2 | 10.9 +- 2.0 | 18 |
| 2-5 | 10.1 +- 2.4 | 17 |
| >5 | 9.5 +- 3.1 | 5 |
| UPWIND CONTROL DATA | 7.6 +- .8 | 3 |

CLINTON
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 831209-840406 119 DAYS
FIELD TIME 87 DAYS

| NRC STATION | LOCATION AZIMUTH (deg.) | LOCATION DIST (mi.) | GROSS EXPOSURE(mR) +- Rdm; Tot. | | | NET EXPOSURE RATE mR/Std.Qtr. +- Rdm; Tot. | | |
|---|---|---|---|---|---|---|---|---|
| 001 | 352 | 0.6 | 21.7 +- | .7 ; | 3.3 | 18.9 +- | .8 ; | 4.0 |
| 002 | 7 | 0.7 | 21.8 +- | .7 ; | 3.3 | 19.0 +- | .8 ; | 4.0 |
| 003 | 26 | 0.8 | 24.4 +- | .7 ; | 3.7 | 21.6 +- | .9 ; | 4.4 |
| 004 | 165 | 0.5 | 21.9 +- | .7 ; | 3.3 | 19.1 +- | .8 ; | 4.0 |
| 005 | 187 | 0.5 | 21.5 +- | .6 ; | 3.2 | 18.7 +- | .8 ; | 4.0 |
| 006 | 223 | 0.6 | 22.6 +- | .7 ; | 3.4 | 19.8 +- | .9 ; | 4.1 |
| 007 | 238 | 0.8 | 21.7 +- | .6 ; | 3.2 | 18.9 +- | .8 ; | 4.0 |
| 008 | 62 | 1.9 | 22.2 +- | .7 ; | 3.3 | 19.4 +- | .8 ; | 4.1 |
| 009 | 78 | 1.8 | 22.1 +- | .7 ; | 3.3 | 19.3 +- | .8 ; | 4.1 |
| 010 | 79 | 2.6 | 22.3 +- | .7 ; | 3.3 | 19.5 +- | .8 ; | 4.1 |
| 011 | 104 | 2.3 | 21.9 +- | .7 ; | 3.3 | 19.1 +- | .8 ; | 4.0 |
| 012 | 115 | 3.0 | 20.8 +- | .6 ; | 3.1 | 17.9 +- | .8 ; | 3.9 |
| 013 | 127 | 3.2 | 21.4 +- | .6 ; | 3.2 | 18.6 +- | .8 ; | 4.0 |
| 014 | 160 | 2.1 | 21.8 +- | .7 ; | 3.3 | 19.0 +- | .8 ; | 4.0 |
| 015 | 180 | 3.0 | 23.4 +- | .7 ; | 3.5 | 20.6 +- | .9 ; | 4.2 |
| 016 | 203 | 3.2 | 22.4 +- | .7 ; | 3.4 | 19.6 +- | .9 ; | 4.1 |
| 017 | 235 | 3.7 | 19.6 +- | .6 ; | 2.9 | 16.7 +- | .8 ; | 3.7 |
| 018 | 255 | 2.8 | 20.7 +- | .6 ; | 3.1 | 17.8 +- | .8 ; | 3.9 |
| 019 | 275 | 2.3 | 22.2 +- | .7 ; | 3.3 | 19.4 +- | .8 ; | 4.1 |
| 020 | 302 | 0.9 | 19.1 +- | .6 ; | 2.9 | 16.2 +- | .8 ; | 3.7 |
| 021 | 305 | 0.8 | 22.4 +- | .7 ; | 3.4 | 19.6 +- | .9 ; | 4.1 |
| 022 | 332 | 0.6 | 28.1 +- | .3 ; | 4.2 | 25.5 +- | 1.0 ; | 4.9 |
| 023 | 358 | 4.6 | MISSING OR DAMAGED DOSIMETER | | | | | |
| 024 | 20 | 3.9 | 22.6 +- | .7 ; | 3.4 | 19.8 +- | .9 ; | 4.1 |
| 025 | 46 | 5.0 | 22.9 +- | .7 ; | 3.4 | 20.1 +- | .9 ; | 4.2 |
| 026 | 62 | 5.5 | 21.8 +- | .7 ; | 3.3 | 19.0 +- | .8 ; | 4.0 |
| 027 | 90 | 4.8 | 21.2 +- | .6 ; | 3.2 | 18.3 +- | .8 ; | 3.9 |
| 028 | 115 | 5.2 | 20.3 +- | .6 ; | 3.0 | 17.4 +- | .8 ; | 3.8 |
| 029 | 128 | 5.1 | 21.5 +- | .6 ; | 3.2 | 18.7 +- | .8 ; | 4.0 |
| 030 | 153 | 5.8 | 21.8 +- | .7 ; | 3.3 | 19.0 +- | .8 ; | 4.0 |
| 031 | 173 | 5.2 | 21.8 +- | .7 ; | 3.3 | 19.0 +- | .8 ; | 4.0 |
| 032 | 205 | 4.7 | 21.7 +- | .6 ; | 3.2 | 18.9 +- | .8 ; | 4.0 |
| 033 | 236 | 5.4 | 21.3 +- | .6 ; | 3.2 | 18.5 +- | .8 ; | 4.0 |
| 034 | 252 | 5.8 | 22.3 +- | .7 ; | 3.3 | 19.5 +- | .8 ; | 4.1 |
| 035 | 263 | 6.6 | 19.4 +- | .6 ; | 2.9 | 16.5 +- | .8 ; | 3.7 |
| 036 | 272 | 4.8 | 19.7 +- | .6 ; | 3.0 | 16.8 +- | .8 ; | 3.7 |
| 037 | 288 | 4.8 | 22.5 +- | .7 ; | 3.4 | 19.7 +- | .9 ; | 4.1 |
| 038 | 297 | 7.6 | 20.0 +- | .6 ; | 3.0 | 17.1 +- | .8 ; | 3.8 |
| 039 | 315 | 5.1 | 21.7 +- | .7 ; | 3.3 | 18.9 +- | .8 ; | 4.0 |
| 040 | 342 | 4.3 | 21.9 +- | .7 ; | 3.3 | 19.1 +- | .8 ; | 4.0 |
| 041 | 65/ | 10. | 20.6 +- | .6 ; | 3.1 | 17.7 +- | .8 ; | 3.9 |
| 042 | 148 | 13. | 25.9 +- | .8 ; | 3.9 | 23.3 +- | .9 ; | 4.5 |
| 043 | 148 | 13. | 25.6 +- | .8 ; | 3.8 | 22.9 +- | .9 ; | 4.5 |
| 044 | 206 | 15. | 19.9 +- | .6 ; | 3.0 | 17.0 +- | .8 ; | 3.8 |

TRANSIT DOSE = 3.4 +- .5 ; 2.1

CLINTON
FOR THE PERIOD 831209-840406

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

| AZIMUTH (deg.) | NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 348.75-11.25 (N) | 19.0 +- .1 | 2 |
| 11.25-33.75 (NNE) | 20.7 +- 1.3 | 2 |
| 33.75-56.25 (NE) | 20.1 +- 0.0 | 1 |
| 56.25-78.75 (ENE) | 18.9 +- .8 | 4 |
| 78.75-101.25 (E) | 18.9 +- .8 | 2 |
| 101.25-123.75(ESE) | 18.1 +- .9 | 3 |
| 123.75-146.25(SE) | 18.6 +- .1 | 2 |
| 146.25-168.75(SSE) | 19.0 +- .1 | 3 |
| 168.75-191.25(S) | 19.4 +- 1.0 | 3 |
| 191.25-213.75(SSW) | 19.2 +- .5 | 2 |
| 213.75-236.25(SW) | 18.3 +- 1.6 | 3 |
| 236.25-258.75(WSW) | 18.7 +- .9 | 3 |
| 258.75-281.25(W) | 17.6 +- 1.6 | 3 |
| 281.25-303.75(WNW) | 17.7 +- 1.8 | 3 |
| 303.75-326.25(NW) | 19.3 +- .5 | 2 |
| 326.25-348.75(NNW) | 22.3 +- 4.5 | 2 |
| | | |

| DISTANCE(mi) FROM THE REACTOR | NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 0-2 | 19.7 +- 2.2 | 12 |
| 2-5 | 18.9 +- 1.1 | 17 |
| >5 | 18.3 +- 1.0 | 11 |
| UPWIND CONTROL DATA | 21.1 +- 3.5 | 3 |

COMANCHE PK.
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 831208-840412 126 DAYS
FIELD TIME 91 DAYS

| NRC STATION | LOCATION AZIMUTH (deg.) | DIST (mi.) | GROSS EXPOSURE(mR) +- Rdm; Tot. | | NET EXPOSURE RATE mR/Std.Qtr. +- Rdm; Tot. | |
|---|---|---|---|---|---|---|
| 001 | 306 | 1.4 | 20.3 +- .6 | 3.0 | 15.9 +- .7 | 3.5 |
| 002 | 285 | 1.5 | 16.8 +- .5 | 2.5 | 12.4 +- .7 | 3.1 |
| 003 | 268 | 1.1 | 17.6 +- .5 | 2.6 | 13.2 +- .7 | 3.2 |
| 004 | 253 | .9 | 19.2 +- .6 | 2.9 | 14.8 +- .7 | 3.4 |
| 006 | 200 | 1 | 17.3 +- .5 | 2.6 | 12.9 +- .7 | 3.2 |
| 007 | 180 | 1.4 | 18.1 +- .5 | 2.7 | 13.7 +- .7 | 3.3 |
| 008 | 163 | 1.6 | 20.0 +- .6 | 3.0 | 15.6 +- .7 | 3.5 |
| 009 | 140 | 1.3 | 20.6 +- .6 | 3.1 | 16.2 +- .7 | 3.6 |
| 010 | 118 | 1.5 | 16.6 +- .5 | 2.5 | 12.2 +- .7 | 3.1 |
| 011 | 93 | 1.9 | 16.9 +- .5 | 2.5 | 12.5 +- .7 | 3.1 |
| 012 | 73 | 2.4 | 22.7 +- .7 | 3.4 | 18.2 +- .8 | 3.9 |
| 013 | 245 | 1.7 | 17.9 +- .5 | 2.7 | 13.5 +- .7 | 3.3 |
| 014 | 156 | 4.3 | 19.5 +- .6 | 2.9 | 15.1 +- .7 | 3.5 |
| 015 | 186 | 7 | 18.7 +- .6 | 2.8 | 14.3 +- .7 | 3.4 |
| 016 | 183 | 4.1 | 19.1 +- .6 | 2.9 | 14.7 +- .7 | 3.4 |
| 017 | 205 | 4.3 | 19.6 +- .6 | 2.9 | 15.2 +- .7 | 3.5 |
| 018 | 225 | 3.4 | 16.9 +- .5 | 2.5 | 12.5 +- .7 | 3.1 |
| 019 | 245 | 5.2 | 19.2 +- .6 | 2.9 | 14.8 +- .7 | 3.4 |
| 020 | 264 | 5.8 | 17.0 +- .5 | 2.5 | 12.6 +- .7 | 3.1 |
| 021 | 258 | 3.2 | 17.6 +- .5 | 2.6 | 13.2 +- .7 | 3.2 |
| 022 | 284 | 5.1 | 16.6 +- .5 | 2.5 | 12.2 +- .7 | 3.1 |
| 023 | 313 | 5.8 | 18.2 +- .5 | 2.7 | 13.8 +- .7 | 3.3 |
| 024 | 332 | 4.9 | 18.0 +- .5 | 2.7 | 13.6 +- .7 | 3.3 |
| 025 | 9 | 4.6 | 18.6 +- .6 | 2.8 | 14.2 +- .7 | 3.3 |
| 026 | 26 | 4.5 | 18.8 +- .6 | 2.8 | 14.4 +- .7 | 3.4 |
| 027 | 47 | 4.1 | 18.0 +- .5 | 2.7 | 13.6 +- .7 | 3.3 |
| 028 | 6 | 1.8 | MISSING OR DAMAGED DOSIMETER | | | |
| 029 | 16 | 1.9 | 18.8 +- .6 | 2.8 | 14.4 +- .7 | 3.4 |
| 030 | 102 | 3 | 19.5 +- .6 | 2.9 | 15.1 +- .7 | 3.5 |
| 031 | 108 | 3.9 | 18.2 +- .5 | 2.7 | 13.8 +- .7 | 3.3 |
| 032 | 135 | 4.6 | 19.4 +- .6 | 2.9 | 15.0 +- .7 | 3.4 |
| 033 | 152 | 6.3 | 18.1 +- .5 | 2.7 | 13.7 +- .7 | 3.3 |
| 034 | 47 | 2.9 | 16.0 +- .5 | 2.4 | 11.6 +- .6 | 3.0 |
| 035 | 85 | 4.8 | 18.3 +- .5 | 2.7 | 13.9 +- .7 | 3.3 |
| 036 | 115 | 7.5 | 18.5 +- .6 | 2.8 | 14.1 +- .7 | 3.3 |
| 037 | 355 | 9.4 | 18.2 +- .5 | 2.7 | 13.8 +- .7 | 3.3 |
| 038 | 337 | 9.2 | 18.3 +- .5 | 2.7 | 13.9 +- .7 | 3.3 |
| 039 | 310 | 9.9 | 19.1 +- .6 | 2.9 | 14.7 +- .7 | 3.4 |
| 040 | 302 | 8.1 | 17.5 +- .5 | 2.6 | 13.1 +- .7 | 3.2 |
| 041 | 248 | 7.9 | 19.6 +- .6 | 2.9 | 15.2 +- .7 | 3.5 |
| 042 | 90 | .5 | 16.1 +- .5 | 2.4 | 11.8 +- .6 | 3.0 |
| 043 | 18 | 9.8 | 19.3 +- .6 | 2.9 | 14.9 +- .7 | 3.4 |
| 044 | 263 | 1.7 | 16.3 +- .5 | 2.4 | 11.9 +- .6 | 3.1 |
| 045 | 218 | 12. | 19.0 +- .6 | 2.9 | 14.6 +- .7 | 3.4 |
| 046 | 140 | 12. | 18.7 +- .6 | 2.8 | 14.3 +- .7 | 3.4 |
| 047 | 301 | 21. | 19.7 +- .6 | 2.9 | 15.3 +- .7 | 3.5 |

TRANSIT DOSE = 4.2 +- .4 ; 1.9

COMANCHE PK.
FOR THE PERIOD 831208-840412

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

| AZIMUTH (deg.) | NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 348.75-11.25 (N) | 14.0 +- .3 | 2 |
| 11.25-33.75 (NNE) | 14.6 +- .3 | 3 |
| 33.75-56.25 (NE) | 12.6 +- 1.4 | 2 |
| 56.25-78.75 (ENE) | 18.2 +- 0.0 | 1 |
| 78.75-101.25 (E) | 12.7 +- 1.1 | 3 |
| 101.25-123.75(ESE) | 13.8 +- 1.2 | 4 |
| 123.75-146.25(SE) | 15.2 +- 1.0 | 3 |
| 146.25-168.75(SSE) | 14.8 +- 1.0 | 3 |
| 168.75-191.25(S) | 14.2 +- .5 | 3 |
| 191.25-213.75(SSW) | 14.1 +- 1.6 | 2 |
| 213.75-236.25(SW) | 13.6 +- 1.5 | 2 |
| 236.25-258.75(WSW) | 14.3 +- .9 | 5 |
| 258.75-281.25(W) | 12.6 +- .6 | 3 |
| 281.25-303.75(WNW) | 13.3 +- 1.4 | 4 |
| 303.75-326.25(NW) | 14.8 +- 1.0 | 3 |
| 326.25-348.75(NNW) | 13.8 +- .2 | 2 |
| | | |

| DISTANCE(mi) FROM THE REACTOR | NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 0-2 | 13.6 +- 1.5 | 14 |
| 2-5 | 14.3 +- 1.5 | 15 |
| >5 | 14.1 +- .9 | 16 |
| UPWIND CONTROL DATA | NO DATA | NO DATA |

D.C.COOK
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 831212-840420 130 DAYS
FIELD TIME 92 DAYS

| NRC STATION | LOCATION AZIMUTH/DIST (deg.) | (mi.) | GROSS EXPOSURE(mR) +- Rdm;Tot. | NET EXPOSURE RATE mR/Std.Qtr. +- Rdm;Tot. |
|---|---|---|---|---|
| 001 | 54 | 1.7 | 18.2 +- .5 ; 2.7 | NO NET DATA |
| 002 | 67 | 1.3 | 19.4 +- .6 ; 2.9 | NO NET DATA |
| 003 | 89 | 1.1 | 18.0 +- .5 ; 2.7 | NO NET DATA |
| 004 | 58 | 0.7 | 17.9 +- .5 ; 2.7 | NO NET DATA |
| 005 | 19 | 2.3 | 18.5 +- .6 ; 2.8 | NO NET DATA |
| 006 | 111 | 1.6 | 18.6 +- .6 ; 2.8 | NO NET DATA |
| 007 | 135 | 1.5 | 18.8 +- .6 ; 2.8 | NO NET DATA |
| 008 | 158 | 1.4 | 18.9 +- .6 ; 2.8 | NO NET DATA |
| 009 | 171 | 1.9 | 16.8 +- .5 ; 2.5 | NO NET DATA |
| 010 | 199 | 1.5 | 17.6 +- .5 ; 2.6 | NO NET DATA |
| 011 | 195 | 3.9 | MISSING OR DAMAGED DOSIMETER | |
| 012 | 200 | 6.6 | 18.7 +- .6 ; 2.8 | NO NET DATA |
| 013 | 179 | 3.9 | 20.2 +- .6 ; 3.0 | NO NET DATA |
| 014 | 151 | 4.4 | 20.4 +- .6 ; 3.1 | NO NET DATA |
| 015 | 130 | 4.6 | 20.9 +- .6 ; 3.1 | NO NET DATA |
| 016 | 110 | 3.7 | 19.0 +- .6 ; 2.9 | NO NET DATA |
| 017 | 88 | 3.6 | 18.6 +- .6 ; 2.8 | NO NET DATA |
| 018 | 67 | 3.8 | MISSING OR DAMAGED DOSIMETER | |
| 019 | 24 | 3.8 | 18.3 +- .5 ; 2.7 | NO NET DATA |
| 020 | 43 | 3.3 | 20.5 +- .6 ; 3.1 | NO NET DATA |
| 021 | 26 | 9.9 | 22.3 +- .7 ; 3.3 | NO NET DATA |
| 022 | 121 | 18. | 19.1 +- .6 ; 2.9 | NO NET DATA |
| 023 | 121 | 18. | 18.5 +- .6 ; 2.8 | NO NET DATA |
| 024 | 121 | 18. | 20.6 +- .6 ; 3.1 | NO NET DATA |

NO TRANSIT DOSE CALCULATED (TLD CONTROLS MISSING OR OTHERWISE NOT COMPLETE)

D.C.COOK
FOR THE PERIOD 831212-840420

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

| AZIMUTH (deg.) | AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 348.75-11.25 (N) | NO DATA+-NO DATA | 0 |
| 11.25-33.75 (NNE) | 13.6 +- 1.6 | 3 |
| 33.75-56.25 (NE) | 13.4 +- 1.1 | 2 |
| 56.25-78.75 (ENE) | 12.9 +- .7 | 2 |
| 78.75-101.25 (E) | 12.7 +- .3 | 2 |
| 101.25-123.75(ESE) | 13.0 +- .2 | 2 |
| 123.75-146.25(SE) | 13.7 +- 1.1 | 2 |
| 146.25-168.75(SSE) | 13.6 +- .7 | 2 |
| 168.75-191.25(S) | 12.8 +- 1.7 | 2 |
| 191.25-213.75(SSW) | 12.5 +- .6 | 2 |
| 213.75-236.25(SW) | NO DATA+-NO DATA | 0 |
| 236.25-258.75(WSW) | NO DATA+-NO DATA | 0 |
| 258.75-281.25(W) | NO DATA+-NO DATA | 0 |
| 281.25-303.75(WNW) | NO DATA+-NO DATA | 0 |
| 303.75-326.25(NW) | NO DATA+-NO DATA | 0 |
| 326.25-348.75(NNW) | NO DATA+-NO DATA | 0 |
| | | |

| DISTANCE(mi) FROM THE REACTOR | AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 0-2 | 12.6 +- .5 | 9 |
| 2-5 | 13.5 +- .7 | 8 |
| >5 | 14.2 +- 1.8 | 2 |
| UPWIND CONTROL DATA | 13.4 +- .7 | 3 |

COOPER
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 831208-840417 131 DAYS
FIELD TIME 99 DAYS

| NRC STATION | LOCATION AZIMUTH (deg.) | DIST (mi.) | GROSS EXPOSURE(mR) +- Rdm; Tot. | | | NET EXPOSURE RATE mR/Std.Qtr. +- Rdm; Tot. |
|---|---|---|---|---|---|---|
| 001 | 363 | 2.4 | 24.4 | .7 | 3.7 | NO NET DATA |
| 002 | 6 | 3.5 | 25.7 | .8 | 3.9 | NO NET DATA |
| 003 | 18 | 2.7 | 26.1 | .8 | 3.9 | NO NET DATA |
| 004 | 16 | 3.2 | 26.3 | .8 | 3.9 | NO NET DATA |
| 005 | 47 | 1.9 | 26.2 | .8 | 3.9 | NO NET DATA |
| 006 | 40 | 3.6 | 24.7 | .7 | 3.7 | NO NET DATA |
| 007 | 75 | 2.7 | 25.2 | .8 | 3.8 | NO NET DATA |
| 008 | 55 | 2.8 | 25.9 | .8 | 3.9 | NO NET DATA |
| 009 | 80 | 2.1 | 27.6 | .6 | 4.1 | NO NET DATA |
| 010 | 98 | 3.7 | 25.7 | .8 | 3.9 | NO NET DATA |
| 011 | 118 | 2.3 | 26.1 | .8 | 3.9 | NO NET DATA |
| 012 | 109 | 4.6 | 26.7 | .8 | 4.0 | NO NET DATA |
| 013 | 141 | 3.2 | 27.1 | .8 | 4.1 | NO NET DATA |
| 014 | 126 | 5.6 | 24.9 | .7 | 3.7 | NO NET DATA |
| 015 | 159 | 2.7 | 25.7 | .8 | 3.9 | NO NET DATA |
| 016 | 167 | 4.9 | 26.6 | .8 | 4.0 | NO NET DATA |
| 017 | 205 | 0.3 | 25.5 | .8 | 3.8 | NO NET DATA |
| 018 | 186 | 4.7 | 26.8 | .8 | 4.0 | NO NET DATA |
| 019 | 213 | 3.0 | 25.7 | .8 | 3.9 | NO NET DATA |
| 020 | 195 | 4.9 | 27.0 | .8 | 4.0 | NO NET DATA |
| 021 | 222 | 2.0 | 24.7 | .7 | 3.7 | NO NET DATA |
| 022 | 215 | 5.7 | 27.8 | .8 | 4.2 | NO NET DATA |
| 023 | 256 | 1.5 | 26.9 | .8 | 4.0 | NO NET DATA |
| 024 | 238 | 5.2 | 27.2 | .8 | 4.1 | NO NET DATA |
| 025 | 276 | 2.2 | 27.5 | .8 | 4.1 | NO NET DATA |
| 026 | 260 | 3.8 | 27.1 | .8 | 4.1 | NO NET DATA |
| 027 | 301 | 1.8 | 25.7 | .8 | 3.8 | NO NET DATA |
| 028 | 286 | 4.3 | 26.7 | .8 | 4.0 | NO NET DATA |
| 029 | 324 | 2.8 | 25.8 | .8 | 3.9 | NO NET DATA |
| 030 | 333 | 3.7 | 26.0 | .8 | 3.9 | NO NET DATA |
| 031 | 343 | 2.6 | 27.3 | .8 | 4.1 | NO NET DATA |
| 032 | 333 | 3.7 | 26.0 | .8 | 3.3 | NO NET DATA |
| 033 | 215 | 1.0 | 25.3 | .8 | 3.8 | NO NET DATA |
| 034 | 173 | 18. | 27.0 | .8 | 4.0 | NO NET DATA |
| 035 | 333 | 23. | 25.0 | .7 | 3.7 | NO NET DATA |
| 036 | 210 | 19. | 25.7 | .8 | 3.9 | NO NET DATA |
| 037 | 64 | 7.0 | 29.8 | .9 | 4.5 | NO NET DATA |
| 038 | 329 | 9.0 | 26.0 | .8 | 3.9 | NO NET DATA |
| 039 | 275 | 10. | MISSING OR DAMAGED DOSIMETER | | | |
| 040 | 300 | 2.5 | 26.7 | .8 | 4.0 | NO NET DATA |
| 042 | 93 | 3.5 | 25.0 | .8 | 3.8 | NO NET DATA |
| 043 | 270 | 2.2 | 25.7 | .8 | 3.9 | NO NET DATA |

NO TRANSIT DOSE CALCULATED (TLD CONTROLS MISSING OR OTHERWISE NOT COMPLETE)

COOPER
FOR THE PERIOD 831208-840417

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

| AZIMUTH (deg.) | AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 348.75-11.25 (N) | 17.2 +- .6 | 2 |
| 11.25-33.75 (NNE) | 18.0 +- .1 | 2 |
| 33.75-56.25 (NE) | 17.6 +- .5 | 3 |
| 56.25-78.75 (ENE) | 18.9 +- 2.2 | 2 |
| 78.75-101.25 (E) | 17.9 +- .9 | 3 |
| 101.25-123.75(ESE) | 18.1 +- .3 | 2 |
| 123.75-146.25(SE) | 17.9 +- 1.1 | 2 |
| 146.25-168.75(SSE) | 18.0 +- .4 | 2 |
| 168.75-191.25(S) | 18.4 +- 0.0 | 1 |
| 191.25-213.75(SSW) | 17.9 +- .6 | 3 |
| 213.75-236.25(SW) | 17.8 +- 1.1 | 3 |
| 236.25-258.75(WSW) | 18.6 +- .1 | 2 |
| 258.75-281.25(W) | 18.4 +- .6 | 3 |
| 281.25-303.75(WNW) | 18.1 +- .4 | 3 |
| 303.75-326.25(NW) | 17.7 +- 0.0 | 1 |
| 326.25-348.75(NNW) | 18.1 +- .5 | 4 |
| | | |

| DISTANCE(mi) FROM THE REACTOR | AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 0-2 | 17.7 +- .5 | 8 |
| 2-5 | 18.0 +- .6 | 27 |
| >5 | 18.6 +- 1.3 | 5 |
| UPWIND CONTROL DATA | 17.8 +- .7 | 3 |

CRYSTAL RIVER
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 831213-840412 121 DAYS
FIELD TIME 99 DAYS

| NRC STATION | LOCATION AZIMUTH/DIST (deg.) | (mi.) | GROSS EXPOSURE(mR) +- Rdm;Tot. | NET EXPOSURE RATE mR/Std.Qtr. +- Rdm;Tot. |
|---|---|---|---|---|
| 006 | 61 | 4.2 | 16.5 +- .5 ; 2.5 | 11.6 +- .6 ; 2.9 |
| 007 | 50 | 3.8 | 15.2 +- .5 ; 2.3 | 10.5 +- .6 ; 2.8 |
| 008 | 20 | 5.2 | 15.7 +- .5 ; 2.3 | 10.9 +- .6 ; 2.9 |
| 009 | 6 | 5.4 | 18.0 +- .5 ; 2.7 | 13.0 +- .7 ; 3.1 |
| 010 | 348 | 5.0 | 15.7 +- .5 ; 2.4 | 10.9 +- .6 ; 2.9 |
| 011 | 334 | 4.8 | 17.4 +- .5 ; 2.6 | 12.5 +- .7 ; 3.0 |
| 012 | 318 | 4.8 | 16.2 +- .5 ; 2.4 | 11.3 +- .6 ; 2.9 |
| 013 | 79 | 3.8 | 16.5 +- .5 ; 2.5 | 11.6 +- .6 ; 2.9 |
| 014 | 95 | 4.1 | 17.4 +- .5 ; 2.6 | 12.4 +- .7 ; 3.0 |
| 015 | 89 | 1.8 | MISSING OR DAMAGED DOSIMETER | |
| 016 | 113 | 5.0 | MISSING OR DAMAGED DOSIMETER | |
| 017 | 133 | 5.5 | 15.3 +- .5 ; 2.3 | 10.6 +- .6 ; 2.8 |
| 018 | 74 | 8.1 | 16.1 +- .5 ; 2.4 | 11.2 +- .6 ; 2.9 |
| 019 | 127 | 7.6 | 17.2 +- .5 ; 2.6 | 12.2 +- .6 ; 3.0 |
| 020 | 150 | 12. | 15.7 +- .5 ; 2.4 | 10.9 +- .6 ; 2.9 |
| 021 | 159 | 13. | MISSING OR DAMAGED DOSIMETER | |
| 022 | 150 | 20. | 15.9 +- .5 ; 2.4 | 11.1 +- .6 ; 2.9 |
| 023 | 150 | 20. | 14.1 +- .4 ; 2.1 | 9.4 +- .6 ; 2.7 |
| 024 | 150 | 20. | 14.8 +- .4 ; 2.2 | 10.1 +- .6 ; 2.8 |
| 025 | 56 | 6.1 | 16.5 +- .5 ; 2.5 | 11.6 +- .6 ; 2.9 |
| 026 | 357 | 5.2 | 18.5 +- .6 ; 2.8 | 13.5 +- .7 ; 3.2 |
| 027 | 90/ | 13. | 15.7 +- .5 ; 2.3 | 10.9 +- .6 ; 2.9 |
| 028 | 140 | 4.8 | 16.5 +- .5 ; 2.5 | 11.6 +- .6 ; 2.9 |
| TRANSIT DOSE = | | | 3.7 +- .5 ; 2.1 | |

CRYSTAL RIVER
FOR THE PERIOD 831213-840412

TLD DIRECT RADIATION ENVIRONMENTHL MONITORING

| AZIMUTH (deg.) | NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 348.75-11.25 (N) | 13.2 +- .4 | 2 |
| 11.25-33.75 (NNE) | 10.9 +- 0.0 | 1 |
| 33.75-56.25 (NE) | 11.1 +- .8 | 2 |
| 56.25-78.75 (ENE) | 11.4 +- .3 | 2 |
| 78.75-101.25 (E) | 11.6 +- .8 | 3 |
| 101.25-123.75(ESE) | NO DATA+-NO DATA | 0 |
| 123.75-146.25(SE) | 11.5 +- .9 | 3 |
| 146.25-168.75(SSE) | 10.9 +- 0.0 | 1 |
| 168.75-191.25(S) | NO DATA+-NO DATA | 0 |
| 191.25-213.75(SSW) | NO DATA+-NO DATA | 0 |
| 213.75-236.25(SW) | NO DATA+-NO DATA | 0 |
| 236.25-258.75(WSW) | NO DATA+-NO DATA | 0 |
| 258.75-281.25(W) | NO DATA+-NO DATA | 0 |
| 281.25-303.75(WNW) | NO DATA+-NO DATA | 0 |
| 303.75-326.25(NW) | 11.3 +- 0.0 | 1 |
| 326.25-348.75(NNW) | 11.7 +- 1.1 | 2 |
| | | |

| DISTANCE(mi) FROM THE REACTOR | NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 0-2 | NO DATA+-NO DATA | 0 |
| 2-5 | 11.6 +- .7 | 8 |
| >5 | 11.6 +- 1.0 | 9 |
| UPWIND CONTROL DATA | 10.2 +- .8 | 3 |

DAVIS BESSE
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 831209-840425 138 DAYS
FIELD TIME 95 DAYS

| NRC STATION | LOCATION AZIMUTH/DIST (deg.) | (mi.) | GROSS EXPOSURE(mR) +- Rdm; Tot. | NET EXPOSURE RATE mR/Std.Qtr. +- Rdm; Tot. |
|---|---|---|---|---|
| 001 | 50 | 0.6 | 19.4 +- .6 ; 2.9 | 10.1 +- .8 ; 3.7 |
| 002 | 86 | 0.9 | 21.0 +- .6 ; 3.2 | 11.6 +- .8 ; 3.9 |
| 003 | 116 | 1.4 | 20.3 +- .6 ; 3.0 | 10.9 +- .8 ; 3.8 |
| 004 | 172 | 0.8 | 22.6 +- .7 ; 3.4 | 13.1 +- .8 ; 4.0 |
| 005 | 200 | 1.5 | 26.3 +- .8 ; 3.9 | 16.6 +- .9 ; 4.5 |
| 006 | 226 | 1.0 | 25.5 +- .8 ; 3.8 | 15.8 +- .9 ; 4.4 |
| 007 | 249 | 1.5 | 23.5 +- .7 ; 3.5 | 14.0 +- .9 ; 4.2 |
| 008 | 267 | 1.8 | 26.0 +- .8 ; 3.9 | 16.4 +- .9 ; 4.4 |
| 009 | 285 | 1.8 | 24.6 +- .7 ; 3.7 | 15.0 +- .9 ; 4.3 |
| 010 | 306 | 1.5 | 22.8 +- .7 ; 3.4 | 13.3 +- .8 ; 4.1 |
| 011 | 344 | 0.9 | 24.5 +- .7 ; 3.7 | 14.9 +- .9 ; 4.3 |
| 012 | 142 | 4.5 | 25.9 +- .8 ; 3.9 | 16.3 +- .9 ; 4.4 |
| 013 | 158 | 4.0 | 25.6 +- .8 ; 3.8 | 15.9 +- .9 ; 4.4 |
| 014 | 180 | 3.8 | 24.0 +- .7 ; 3.6 | 14.4 +- .9 ; 4.2 |
| 015 | 207 | 4.8 | 25.4 +- .8 ; 3.8 | 15.7 +- .9 ; 4.4 |
| 016 | 225 | 4.5 | 26.7 +- .8 ; 4.0 | 17.0 +- .9 ; 4.5 |
| 017 | 254 | 2.7 | 27.1 +- .8 ; 4.1 | 17.3 +- .9 ; 4.6 |
| 018 | 269 | 3.0 | 25.8 +- .8 ; 3.9 | 16.1 +- .9 ; 4.4 |
| 019 | 295 | 5.3 | 26.0 +- .8 ; 3.9 | 16.4 +- .9 ; 4.4 |
| 020 | 25 | 0.5 | 18.5 +- .6 ; 2.8 | 9.2 +- .7 ; 3.6 |
| 021 | 132 | 9.7 | 22.1 +- .7 ; 3.3 | 12.6 +- .8 ; 4.0 |
| 022 | 210 | 6.5 | MISSING OR DAMAGED DOSIMETER | |
| TRANSIT DOSE = | 8.7 | +- .6 ; 2.6 | | |

DAVIS BESSE
FOR THE PERIOD 831209-840425

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

| AZIMUTH (deg.) | NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 348.75-11.25 (N) | NO DATA+-NO DATA | 0 |
| 11.25-33.75 (NNE) | 9.2 +- 0.0 | 1 |
| 33.75-56.25 (NE) | 10.1 +- 0.0 | 1 |
| 56.25-78.75 (ENE) | NO DATA+-NO DATA | 0 |
| 78.75-101.25 (E) | 11.6 +- 0.0 | 1 |
| 101.25-123.75(ESE) | 10.9 +- 0.0 | 1 |
| 123.75-146.25(SE) | 16.3 +- 0.0 | 1 |
| 146.25-168.75(SSE) | 15.9 +- 0.0 | 1 |
| 168.75-191.25(S) | 13.7 +- .9 | 2 |
| 191.25-213.75(SSW) | 16.2 +- .6 | 2 |
| 213.75-236.25(SW) | 16.4 +- .8 | 2 |
| 236.25-258.75(WSW) | 15.7 +- 2.4 | 2 |
| 258.75-281.25(W) | 16.2 +- .2 | 2 |
| 281.25-303.75(WNW) | 15.7 +- 1.0 | 2 |
| 303.75-326.25(NW) | 13.3 +- 0.0 | 1 |
| 326.25-348.75(NNW) | 14.9 +- 0.0 | 1 |
| | | |

| DISTANCE(mi) FROM THE REACTOR | NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 0-2 | 13.4 +- 2.5 | 12 |
| 2-5 | 16.1 +- .9 | 7 |
| >5 | 16.4 +- 0.0 | 1 |
| UPWIND CONTROL DATA | 12.8 +- 0.0 | 1 |

DIABLO CANYON
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 831208-840504 148 DAYS
FIELD TIME 98 DAYS

| NRC STATION | LOCATION AZIMUTH/DIST (deg.) | (mi.) | GROSS EXPOSURE(mR) +- Rdm;Tot. | | | NET EXPOSURE RATE mR/Std.Qtr. +- Rdm;Tot. | | | |
|---|---|---|---|---|---|---|---|---|---|
| 001 | 125 | 1.0 | 32.5 | +- 1.0 | ; 4.9 | 22.1 | +- 1.1 | ; | 5.3 |
| 002 | 119 | 4.2 | 28.1 | +- .8 | ; 4.2 | 18.1 | +- 1.0 | ; | 4.9 |
| 003 | 107 | 6.9 | 28.2 | +- .8 | ; 4.2 | 18.2 | +- 1.0 | ; | 4.9 |
| 004 | 109 | 11. | 26.7 | +- .8 | ; 4.0 | 16.8 | +- 1.0 | ; | 4.7 |
| 005 | 113 | 14. | 29.0 | +- .9 | ; 4.4 | 18.9 | +- 1.0 | ; | 5.0 |
| 006 | 68 | 9.6 | 26.2 | +- .8 | ; 3.9 | 16.3 | +- 1.0 | ; | 4.6 |
| 007 | 359 | 11. | 23.4 | +- .7 | ; 3.5 | 13.7 | +- .9 | ; | 4.4 |
| 008 | 359 | 6.6 | 22.4 | +- .7 | ; 3.4 | 12.9 | +- .9 | ; | 4.3 |
| 009 | 339 | 4.7 | 20.6 | +- .6 | ; 3.1 | 11.2 | +- .9 | ; | 4.1 |
| 011 | 332 | 1.3 | 21.5 | +- .6 | ; 3.2 | 12.0 | +- .9 | ; | 4.2 |
| 012 | 37 | 21. | 28.7 | +- .9 | ; 4.3 | 18.6 | +- 1.0 | ; | 4.9 |
| 013 | 37 | 21. | 27.0 | +- .8 | ; 4.1 | 17.1 | +- 1.0 | ; | 4.7 |
| 014 | 37 | 21. | 28.7 | +- .9 | ; 4.3 | 18.7 | +- 1.0 | ; | 4.9 |
| 018 | 162 | 9.3 | MISSING OR DAMAGED DOSIMETER | | | | | | |
| TRANSIT DOSE = | | | 8.4 | +- .7 | ; 3.2 | | | | |

DIABLO CANYON
FOR THE PERIOD 831208-840504

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

| AZIMUTH (deg.) | NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 348.75-11.25 (N) | 13.3 +- .6 | 2 |
| 11.25-33.75 (NNE) | NO DATA+-NO DATA | 0 |
| 33.75-56.25 (NE) | NO DATA+-NO DATA | 0 |
| 56.25-78.75 (ENE) | 16.3 +- 0.0 | 1 |
| 78.75-101.25 (E) | NO DATA+-NO DATA | 0 |
| 101.25-123.75(ESE) | 18.0 +- .9 | 4 |
| 123.75-146.25(SE) | 22.1 +- 0.0 | 1 |
| 146.25-168.75(SSE) | NO DATA+-NO DATA | 0 |
| 168.75-191.25(S) | NO DATA+-NO DATA | 0 |
| 191.25-213.75(SSW) | NO DATA+-NO DATA | 0 |
| 213.75-236.25(SW) | NO DATA+-NO DATA | 0 |
| 236.25-258.75(WSW) | NO DATA+-NO DATA | 0 |
| 258.75-281.25(W) | NO DATA+-NO DATA | 0 |
| 281.25-303.75(WNW) | NO DATA+-NO DATA | 0 |
| 303.75-326.25(NW) | NO DATA+-NO DATA | 0 |
| 326.25-348.75(NNW) | 11.6 +- .6 | 2 |
| | | |

| DISTANCE(mi) FROM THE REACTOR | NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 0-2 | 17.1 +- 7.1 | 2 |
| 2-5 | 14.6 +- 4.8 | 2 |
| >5 | 16.1 +- 2.4 | 6 |
| UPWIND CONTROL DATA | 18.1 +- .9 | 3 |

DRESDEN
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 831209-840407 120 DAYS
FIELD TIME 88 DAYS

| NRC STATION | LOCATION AZIMUTH (deg.) | LOCATION DIST (mi.) | GROSS EXPOSURE(mR) +- Rdm; Tot. | | | NET EXPOSURE RATE mR/Std.Qtr. +- Rdm; Tot. | | | |
|---|---|---|---|---|---|---|---|---|---|
| 001 | 70 | 4.2 | 19.9 | +- .6 | 3.0 | 15.8 | +- .8 | | 3.7 |
| 002 | 92 | 3.9 | 19.3 | +- .6 | 2.9 | 15.1 | +- .8 | | 3.6 |
| 003 | 119 | 3.2 | 20.4 | +- .6 | 3.1 | 16.3 | +- .8 | | 3.8 |
| 004 | 134 | 1.3 | 17.9 | +- .5 | 2.7 | 13.8 | +- .7 | | 3.5 |
| 005 | 115 | 1.5 | 18.6 | +- .6 | 2.8 | 14.4 | +- .8 | | 3.6 |
| 006 | 180 | 1.9 | 20.2 | +- .6 | 3.0 | 16.1 | +- .8 | | 3.8 |
| 007 | 179 | 0.5 | 18.8 | +- .6 | 2.8 | 14.6 | +- .8 | | 3.6 |
| 008 | 166 | 0.7 | 17.6 | +- .5 | 2.6 | 13.5 | +- .7 | | 3.4 |
| 009 | 205 | 0.5 | MISSING OR DAMAGED DOSIMETER | | | | | | |
| 010 | 224 | 0.7 | 22.7 | +- .7 | 3.4 | 18.6 | +- .9 | | 4.1 |
| 011 | 250 | 0.9 | 16.7 | +- .5 | 2.5 | 12.5 | +- .7 | | 3.3 |
| 012 | 263 | 1.6 | 20.6 | +- .6 | 3.1 | 16.5 | +- .8 | | 3.8 |
| 013 | 180 | 4.0 | 17.1 | +- .5 | 2.6 | 12.9 | +- .7 | | 3.4 |
| 014 | 158 | 4.8 | 17.3 | +- .5 | 2.6 | 13.1 | +- .7 | | 3.4 |
| 015 | 137 | 4.2 | 20.4 | +- .6 | 3.1 | 16.3 | +- .8 | | 3.8 |
| 016 | 134 | 8.4 | 17.1 | +- .5 | 2.6 | 12.9 | +- .7 | | 3.4 |
| 017 | 189 | 7.4 | 18.8 | +- .6 | 2.8 | 14.7 | +- .8 | | 3.6 |
| 018 | 203 | 4.1 | 17.4 | +- .5 | 2.6 | 13.3 | +- .7 | | 3.4 |
| 019 | 231 | 3.8 | 20.9 | +- .6 | 3.1 | 16.8 | +- .8 | | 3.8 |
| 020 | 244 | 6.4 | 21.2 | +- .6 | 3.2 | 17.1 | +- .8 | | 3.9 |
| 021 | 258 | 8.6 | 20.9 | +- .6 | 3.1 | 16.8 | +- .8 | | 3.8 |
| 022 | 269 | 4.4 | 17.3 | +- .5 | 2.6 | 13.1 | +- .7 | | 3.4 |
| 023 | 295 | 3.3 | 20.6 | +- .6 | 3.1 | 16.5 | +- .8 | | 3.8 |
| 024 | 311 | 3.9 | MISSING OR DAMAGED DOSIMETER | | | | | | |
| 025 | 340 | 4.7 | 21.9 | +- .7 | 3.3 | 17.9 | +- .8 | | 4. |
| 026 | 7 | 4.4 | 18.6 | +- .6 | 2.8 | 14.4 | +- .8 | | 3.6 |
| 027 | 1 | 2.0 | 21.8 | +- .7 | 3.3 | 17.7 | +- .8 | | 4.0 |
| 028 | 327 | 1.7 | 23.4 | +- .7 | 3.5 | 19.3 | +- .9 | | 4.2 |
| 029 | 318 | 1.4 | 20.6 | +- .6 | 3.1 | 16.5 | +- .8 | | 3.8 |
| 030 | 301 | 1.9 | 18.1 | +- .5 | 2.7 | 14.0 | +- .7 | | 3.5 |
| 031 | 30 | 1.5 | 21.9 | +- .7 | 3.3 | 17.9 | +- .8 | | 4.0 |
| 032 | 48 | 1.9 | 21.9 | +- .7 | 3.3 | 17.9 | +- .8 | | 4.0 |
| 033 | 76 | 1.4 | 21.0 | +- .6 | 3.2 | 16.9 | +- .8 | | 3.9 |
| 034 | 90 | 1.4 | 20.8 | +- .6 | 3.1 | 16.7 | +- .8 | | 3.8 |
| 035 | 26 | 4.5 | 20.6 | +- .6 | 3.1 | 16.5 | +- .8 | | 3.8 |
| 036 | 42 | 3.6 | 18.9 | +- .6 | 2.8 | 14.8 | +- .8 | | 3.6 |
| 037 | 52/ | 11. | 20.0 | +- .6 | 3.0 | 15.9 | +- .8 | | 3.7 |
| 038 | 274 | 23. | 20.1 | +- .6 | 3.0 | 16.0 | +- .8 | | 3.7 |
| 039 | 274 | 23. | 21.1 | +- .6 | 3.2 | 17.0 | +- .8 | | 3.9 |
| 040 | 275 | 24. | 20.2 | +- .6 | 3.0 | 16.1 | +- .8 | | 3.7 |
| TRANSIT DOSE = | 4.4 | +- .5 | 2.1 | | | | | | |

DRESDEN
FOR THE PERIOD 831209-840407

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

| AZIMUTH (deg.) | NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 348.75-11.25 (N) | 16.1 +- 2.3 | 2 |
| 11.25-33.75 (NNE) | 17.2 +- .9 | 2 |
| 33.75-56.25 (NE) | 16.2 +- 1.6 | 3 |
| 56.25-78.75 (ENE) | 16.3 +- .8 | 2 |
| 78.75-101.25 (E) | 15.9 +- 1.1 | 2 |
| 101.25-123.75(ESE) | 15.4 +- 1.3 | 2 |
| 123.75-146.25(SE) | 14.3 +- 1.8 | 3 |
| 146.25-168.75(SSE) | 13.3 +- .2 | 2 |
| 168.75-191.25(S) | 14.6 +- 1.3 | 4 |
| 191.25-213.75(SSW) | 13.3 +- 0.0 | 1 |
| 213.75-236.25(SW) | 17.7 +- 1.3 | 2 |
| 236.25-258.75(WSW) | 15.5 +- 2.6 | 3 |
| 258.75-281.25(W) | 14.8 +- 2.4 | 2 |
| 281.25-303.75(WNW) | 15.2 +- 1.8 | 2 |
| 303.75-326.25(NW) | 16.5 +- 0.0 | 1 |
| 326.25-348.75(NNW) | 18.6 +- 1.0 | 2 |
| | | |

| DISTANCE(mi) FROM THE REACTOR | NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 0-2 | 16.1 +- 2.0 | 16 |
| 2-5 | 15.2 +- 1.6 | 14 |
| >5 | 15.5 +- 1.7 | 5 |
| UPWIND CONTROL DATA | 16.4 +- .6 | 3 |

DUANE ARNOLD
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 831212-840412 122 DAYS
FIELD TIME 93 DAYS

| NRC STATION | LOCATION AZIMUTH (deg.) | LOCATION DIST (mi.) | GROSS EXPOSURE(mR) +- Rdm; Tot. | | | | NET EXPOSURE RATE mR/Std.Qtr. +- Rdm; Tot. | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 001 | 163 | 9.7 | 20.8 | +- .6 | ; | 3.1 | 14.9 | +- .8 | ; | 3.7 |
| 002 | 170 | 6.2 | 22.2 | +- .7 | ; | 3.3 | 16.3 | +- .8 | ; | 3.9 |
| 003 | 180 | 3.5 | 20.8 | +- .6 | ; | 3.1 | 14.9 | +- .8 | ; | 3.7 |
| 004 | 216 | 2.9 | 22.5 | +- .7 | ; | 3.4 | 16.5 | +- .8 | ; | 3.9 |
| 005 | 201 | 2.5 | 19.3 | +- .6 | ; | 2.9 | 13.5 | +- .7 | ; | 3.5 |
| 006 | 213 | 1.0 | 20.9 | +- .6 | ; | 3.1 | 15.0 | +- .8 | ; | 3.7 |
| 007 | 248 | 1.0 | 21.6 | +- .6 | ; | 3.2 | 15.7 | +- .8 | ; | 3.8 |
| 008 | 279 | 1.0 | 20.6 | +- .6 | ; | 3.1 | 14.7 | +- .8 | ; | 3.7 |
| 009 | 298 | 1.0 | 21.7 | +- .6 | ; | 3.2 | 15.7 | +- .8 | ; | 3.8 |
| 010 | 320 | 1.5 | 22.4 | +- .7 | ; | 3.4 | 16.4 | +- .8 | ; | 3.9 |
| 011 | 343 | 1.0 | 22.5 | +- .7 | ; | 3.4 | 16.5 | +- .8 | ; | 3.9 |
| 012 | 359 | 1.2 | 22.5 | +- .7 | ; | 3.4 | 16.5 | +- .8 | ; | 3.9 |
| 013 | 237 | 0.5 | 22.1 | +- .7 | ; | 3.3 | 16.1 | +- .8 | ; | 3.9 |
| 014 | 259 | 33.9 | 21.1 | +- .6 | ; | 3.2 | 15.1 | +- .8 | ; | 3.7 |
| 015 | 272 | 50.0 | 19.7 | +- .6 | ; | 3.0 | 13.8 | +- .8 | ; | 3.6 |
| 016 | 285 | 50.0 | 20.1 | +- .6 | ; | 3.0 | 14.2 | +- .8 | ; | 3.6 |
| 017 | 308 | 4.5 | 22.2 | +- .7 | ; | 3.3 | 16.3 | +- .8 | ; | 3.9 |
| 018 | 340 | 4.5 | 19.8 | +- .6 | ; | 3.0 | 13.9 | +- .8 | ; | 3.6 |
| 019 | 291 | 15. | 20.8 | +- .6 | ; | 3.1 | 14.9 | +- .8 | ; | 3.7 |
| 020 | 291 | 15. | 22.0 | +- .7 | ; | 3.3 | 16.0 | +- .8 | ; | 3.8 |
| 021 | 291 | 15. | 19.9 | +- .6 | ; | 3.0 | 14.0 | +- .8 | ; | 3.6 |
| 022 | 358 | 6.1 | 20.2 | +- .6 | ; | 3.0 | 14.3 | +- .8 | ; | 3.6 |
| 023 | 7 | 2.9 | 19.1 | +- .6 | ; | 2.9 | 13.3 | +- .7 | ; | 3.5 |
| 024 | 28 | 3.0 | 21.8 | +- .7 | ; | 3.3 | 15.9 | +- .8 | ; | 3.8 |
| 025 | 39 | 3.5 | 22.4 | +- .7 | ; | 3.4 | 16.4 | +- .8 | ; | 3.9 |
| 026 | 64 | 3.8 | 22.6 | +- .7 | ; | 3.4 | 16.6 | +- .8 | ; | 3.9 |
| 027 | 50 | 1.9 | 20.0 | +- .6 | ; | 3.0 | 14.1 | +- .8 | ; | 3.6 |
| 028 | 72 | 2.3 | 22.7 | +- .7 | ; | 3.4 | 16.7 | +- .8 | ; | 3.9 |
| 029 | 91 | 3.0 | 19.2 | +- .6 | ; | 2.9 | 13.4 | +- .7 | ; | 3.5 |
| 030 | 93 | 1.8 | 22.6 | +- .7 | ; | 3.4 | 16.6 | +- .8 | ; | 3.9 |
| 031 | 113 | 2.0 | 23.2 | +- .7 | ; | 3.5 | 17.2 | +- .8 | ; | 4.0 |
| 032 | 141 | 1.6 | 19.9 | +- .6 | ; | 3.0 | 14.0 | +- .8 | ; | 3.6 |
| 033 | 153 | 1.5 | 21.9 | +- .7 | ; | 3.3 | 15.9 | +- .8 | ; | 3.8 |
| 034 | 177 | 1.2 | 19.5 | +- .6 | ; | 2.9 | 13.6 | +- .8 | ; | 3.6 |
| 035 | 153 | 4.2 | 19.7 | +- .6 | ; | 2.9 | 13.8 | +- .8 | ; | 3.6 |
| 036 | 135 | 4.1 | 21.0 | +- .6 | ; | 3.2 | 15.1 | +- .8 | ; | 3.7 |
| 037 | 111 | 4.6 | 28.3 | +- .8 | ; | 4.2 | 22.1 | +- 1.0 | ; | 4.6 |
| 038 | 123 | 5.1 | 21.2 | +- .6 | ; | 3.2 | 15.3 | +- .8 | ; | 3.8 |
| 039 | 132 | 7.0 | 20.9 | +- .6 | ; | 3.1 | 15.0 | +- .8 | ; | 3.7 |
| 040 | 139 | 7.6 | 22.4 | +- .7 | ; | 3.4 | 16.4 | +- .8 | ; | 3.9 |
| TRANSIT DOSE = | | | 5.4 | +- .5 | ; | 2.2 | | | | |

DUANE ARNOLD
FOR THE PERIOD 831212-840412

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

| AZIMUTH (deg.) | NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 348.75-11.25 (N) | 14.7 +- 1.7 | 3 |
| 11.25-33.75 (NNE) | 15.9 +- 0.0 | 1 |
| 33.75-56.25 (NE) | 15.2 +- 1.6 | 2 |
| 56.25-78.75 (ENE) | 16.6 +- .1 | 2 |
| 78.75-101.25 (E) | 15.0 +- 2.3 | 2 |
| 101.25-123.75(ESE) | 18.2 +- 3.5 | 3 |
| 123.75-146.25(SE) | 15.1 +- 1.0 | 4 |
| 146.25-168.75(SSE) | 14.9 +- 1.1 | 3 |
| 168.75-191.25(S) | 14.9 +- 1.3 | 3 |
| 191.25-213.75(SSW) | 14.2 +- 1.1 | 2 |
| 213.75-236.25(SW) | 16.5 +- 0.0 | 1 |
| 236.25-258.75(WSW) | 15.9 +- .3 | 2 |
| 258.75-281.25(W) | 14.5 +- .7 | 3 |
| 281.25-303.75(WNW) | 15.0 +- 1.1 | 2 |
| 303.75-326.25(NW) | 16.3 +- .1 | 2 |
| 326.25-348.75(NNW) | 15.2 +- 1.8 | 2 |
| | | |

| DISTANCE(mi) FROM THE REACTOR | NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 0-2 | 15.6 +- 1.1 | 14 |
| 2-5 | 15.4 +- 2.1 | 17 |
| >5 | 15.3 +- .8 | 6 |
| UPWIND CONTROL DATA | 15.0 +- 1.0 | 3 |

FARLEY
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 831214-840427 135 DAYS
FIELD TIME 99 DAYS

| NRC STATION | LOCATION AZIMUTH/DIST (deg.) | (mi.) | GROSS EXPOSURE(mR) +- Rdm;Tot. | | NET EXPOSURE RATE mR/Std.Qtr. +- Rdm;Tot. | | |
|---|---|---|---|---|---|---|---|
| 001 | 268 | 14. | 17.9 +- .5 | 2.7 | 13.0 +- .6 | | 2.9 |
| 002 | 252 | 7.8 | 20.3 +- .6 | 3.0 | 15.2 +- .7 | | 3.2 |
| 003 | 217 | 6.1 | 19.4 +- .6 | 2.9 | 14.3 +- .6 | | 3.1 |
| 004 | 155 | 5.7 | 20.5 +- .6 | 3.1 | 15.3 +- .7 | | 3.2 |
| 005 | 170 | 5.1 | 18.2 +- .5 | 2.7 | 13.3 +- .6 | | 2.9 |
| 006 | 197 | 4.5 | 16.6 +- .5 | 2.5 | 11.8 +- .6 | | 2.7 |
| 007 | 191 | 2.4 | 21.7 +- .6 | 3.2 | 16.4 +- .7 | | 3.3 |
| 008 | 200 | 1.8 | 18.0 +- .5 | 2.7 | 13.0 +- .6 | | 2.9 |
| 009 | 220 | 1.2 | 18.2 +- .5 | 2.7 | 13.3 +- .6 | | 2.9 |
| 010 | 254 | .9 | 18.2 +- .5 | 2.7 | 13.2 +- .6 | | 2.9 |
| 011 | 300 | .9 | 19.3 +- .6 | 2.9 | 14.3 +- .6 | | 3.1 |
| 012 | 319 | 1.1 | 21.0 +- .6 | 3.1 | 15.8 +- .7 | | 3.3 |
| 013 | 338 | 1.3 | 17.7 +- .5 | 2.6 | 12.8 +- .6 | | 2.9 |
| 014 | 256 | 1.6 | 18.7 +- .6 | 2.8 | 13.7 +- .6 | | 3.0 |
| 015 | 16 | 1.3 | 25.5 +- .8 | 3.8 | 19.8 +- .8 | | 3.8 |
| 016 | 264 | 1.6 | 18.7 +- .6 | 2.8 | 13.7 +- .6 | | 3.0 |
| 017 | 253 | 3.5 | 21.1 +- .6 | 3.2 | 15.8 +- .7 | | 3.3 |
| 018 | 233 | 3.2 | 18.1 +- .5 | 2.7 | 13.2 +- .6 | | 2.9 |
| 019 | 267 | 4.5 | 19.9 +- .6 | 3.0 | 14.8 +- .7 | | 3.1 |
| 020 | 295 | 3.8 | 21.4 +- .6 | 3.2 | 16.1 +- .7 | | 3.3 |
| 021 | 315 | 4.6 | 17.5 +- .5 | 2.6 | 12.6 +- .6 | | 2.8 |
| 022 | 332 | 4.3 | 18.3 +- .5 | 2.7 | 13.3 +- .6 | | 2.9 |
| 023 | 251 | 4.8 | MISSING OR DAMAGED DOSIMETER | | | | |
| 024 | 32 | 5.3 | 20.1 +- .6 | 3.0 | 15.0 +- .7 | | 3.2 |
| 025 | 54 | 5.2 | 17.3 +- .5 | 2.6 | 12.4 +- .6 | | 2.8 |
| 026 | 64 | 5.5 | 19.6 +- .6 | 2.9 | 14.5 +- .6 | | 3.1 |
| 027 | 88 | 4.7 | 19.4 +- .6 | 2.9 | 14.3 +- .6 | | 3.1 |
| 028 | 124 | 5.1 | 20.5 +- .6 | 3.1 | 15.3 +- .7 | | 3.2 |
| 029 | 153 | 4.1 | 19.1 +- .6 | 2.9 | 14.1 +- .6 | | 3.0 |
| 030 | 142 | 3.6 | 18.0 +- .5 | 2.7 | 13.1 +- .6 | | 2.9 |
| 031 | 130 | 3 | MISSING OR DAMAGED DOSIMETER | | | | |
| 032 | 110 | 2.8 | 17.5 +- .5 | 2.6 | 12.6 +- .6 | | 2.8 |
| 033 | 78 | 2.6 | 17.4 +- .5 | 2.6 | 12.5 +- .6 | | 2.8 |
| 034 | 58 | 2.2 | 16.9 +- .5 | 2.5 | 12.1 +- .6 | | 2.8 |
| 035 | 34 | 2.4 | 21.5 +- .6 | 3.2 | 16.2 +- .7 | | 3.3 |
| 036 | 19 | 2.7 | 20.3 +- .6 | 3.0 | 15.2 +- .7 | | 3.2 |
| 037 | 284 | 10 | 19.3 +- .6 | 2.9 | 14.2 +- .6 | | 3.1 |
| 038 | 289 | 15. | 16.5 +- .5 | 2.5 | 11.7 +- .6 | | 2.7 |
| 039 | 293 | 15. | MISSING OR DAMAGED DOSIMETER | | | | |

TRANSIT DOSE = 3.6 +- .4 ; 1.7

FARLEY
FOR THE PERIOD 831214-840427

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

| AZIMUTH (deg.) | NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 348.75-11.25 (N) | NO DATA+-NO DATA | 0 |
| 11.25-33.75 (NNE) | 16.7 +- 2.8 | 3 |
| 33.75-56.25 (NE) | 14.3 +- 2.7 | 2 |
| 56.25-78.75 (ENE) | 13.0 +- 1.3 | 3 |
| 78.75-101.25 (E) | 14.3 +- 0.0 | 1 |
| 101.25-123.75(ESE) | 12.6 +- 0.0 | 1 |
| 123.75-146.25(SE) | 14.2 +- 1.6 | 2 |
| 146.25-168.75(SSE) | 14.7 +- .8 | 2 |
| 168.75-191.25(S) | 14.8 +- 2.2 | 2 |
| 191.25-213.75(SSW) | 12.4 +- .9 | 2 |
| 213.75-236.25(SW) | 13.6 +- .7 | 3 |
| 236.25-258.75(WSW) | 14.5 +- 1.2 | 4 |
| 258.75-281.25(W) | 13.8 +- .9 | 3 |
| 281.25-303.75(WNW) | 15.2 +- 1.3 | 2 |
| 303.75-326.25(NW) | 14.2 +- 2.2 | 2 |
| 326.25-348.75(NNW) | 13.0 +- .4 | 2 |
| | | |

| DISTANCE(mi) FROM THE REACTOR | NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 0-2 | 14.4 +- 2.2 | 9 |
| 2-5 | 14.0 +- 1.6 | 16 |
| >5 | 14.3 +- 1.1 | 9 |
| UPWIND CONTROL DATA | 13.0 +- 1.8 | 2 |

FERMI
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 831212-840420 130 DAYS
FIELD TIME 84 DAYS

| NRC STATION | LOCATION AZIMUTH (deg.) | LOCATION DIST (mi.) | GROSS EXPOSURE(mR) +- Rdm;Tot. | NET EXPOSURE RATE mR/Std.Qtr. +- Rdm;Tot. |
|---|---|---|---|---|
| 001 | 38 | 2.1 | 18.6 +- .6 ; 2.8 | NO NET DATA |
| 002 | 22 | 2.3 | 22.4 +- .7 ; 3.4 | NO NET DATA |
| 003 | 350 | 1.8 | 22.0 +- .7 ; 3.3 | NO NET DATA |
| 004 | 345 | 1.9 | 20.4 +- .6 ; 3.1 | NO NET DATA |
| 005 | 346 | 1.4 | 21.7 +- .7 ; 3.3 | NO NET DATA |
| 006 | 310 | 1.3 | 23.1 +- .7 ; 3.5 | NO NET DATA |
| 007 | 298 | 1.4 | 20.7 +- .6 ; 3.1 | NO NET DATA |
| 008 | 277 | 1.6 | 21.3 +- .6 ; 3.2 | NO NET DATA |
| 009 | 238 | 1.0 | MISSING OR DAMAGED DOSIMETER | |
| 010 | 225 | 1.5 | 18.8 +- .6 ; 2.8 | NO NET DATA |
| 011 | 193 | 0.8 | 21.6 +- .6 ; 3.2 | NO NET DATA |
| 012 | 183 | 0.9 | 22.5 +- .7 ; 3.4 | NO NET DATA |
| 013 | 175 | 0.8 | 21.2 +- .6 ; 3.2 | NO NET DATA |
| 014 | 260 | 1.7 | MISSING OR DAMAGED DOSIMETER | |
| 015 | 245 | 2.5 | 21.4 +- .6 ; 3.2 | NO NET DATA |
| 016 | 236 | 5.0 | 23.4 +- .7 ; 3.5 | NO NET DATA |
| 017 | 225 | 6.8 | 19.8 +- .6 ; 3.0 | NO NET DATA |
| 018 | 250 | 7.8 | 19.2 +- .6 ; 2.9 | NO NET DATA |
| 019 | 277 | 6.0 | 20.0 +- .6 ; 3.0 | NO NET DATA |
| 020 | 297 | 6.0 | 21.0 +- .6 ; 3.2 | NO NET DATA |
| 021 | 320 | 3.8 | MISSING OR DAMAGED DOSIMETER | |
| 022 | 340 | 4.7 | 21.9 +- .7 ; 3.3 | NO NET DATA |
| 023 | 358 | 4.3 | MISSING OR DAMAGED DOSIMETER | |
| 024 | 23 | 5.0 | 24.0 +- .7 ; 3.6 | NO NET DATA |
| 025 | 25 | 7.0 | 19.6 +- .6 ; 2.9 | NO NET DATA |
| 026 | 0 | 7.0 | 21.0 +- .6 ; 3.1 | NO NET DATA |
| 027 | 342 | 8.0 | 20.6 +- .6 ; 3.1 | NO NET DATA |
| 028 | 320 | 9.5 | 20.7 +- .6 ; 3.1 | NO NET DATA |
| 029 | 290 | 11. | 21.7 +- .6 ; 3.2 | NO NET DATA |
| 030 | 270 | 10. | 22.8 +- .7 ; 3.4 | NO NET DATA |
| 031 | 245 | 10. | 20.9 +- .6 ; 3.1 | NO NET DATA |
| 032 | 220 | 10. | 23.0 +- .7 ; 3.4 | NO NET DATA |
| 033 | 270 | 15. | 21.0 +- .6 ; 3.2 | NO NET DATA |
| 034 | 270 | 15. | 20.7 +- .6 ; 3.1 | NO NET DATA |
| 035 | 290 | 16. | 21.3 +- .6 ; 3.2 | NO NET DATA |
| 036 | 350 | 0.8 | 20.8 +- .6 ; 3.1 | NO NET DATA |
| 037 | 330 | 0.7 | 21.4 +- .6 ; 3.2 | NO NET DATA |
| 038 | 310 | 0.7 | 21.5 +- .6 ; 3.2 | NO NET DATA |
| 039 | 23/ | 10. | 20.6 +- .6 ; 3.1 | NO NET DATA |
| 040 | 0 | 9.0 | 20.7 +- .6 ; 3.1 | NO NET DATA |
| 041 | 348 | 9.0 | 19.7 +- .6 ; 3.0 | NO NET DATA |

NO TRANSIT DOSE CALCULATED (TLD CONTROLS MISSING OR OTHERWISE NOT COMPLETE)

FERMI
FOR THE PERIOD 831212-840420

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

| AZIMUTH (deg.) | AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 348.75-11.25 (N) | 14.6 +- .4 | 4 |
| 11.25-33.75 (NNE) | 15.0 +- 1.4 | 4 |
| 33.75-56.25 (NE) | 12.8 +- 0.0 | 1 |
| 56.25-78.75 (ENE) | NO DATA+-NO DATA | 0 |
| 78.75-101.25 (E) | NO DATA+-NO DATA | 0 |
| 101.25-123.75(ESE) | NO DATA+-NO DATA | 0 |
| 123.75-146.25(SE) | NO DATA+-NO DATA | 0 |
| 146.25-168.75(SSE) | NO DATA+-NO DATA | 0 |
| 168.75-191.25(S) | 15.1 +- .6 | 2 |
| 191.25-213.75(SSW) | 15.0 +- 0.0 | 1 |
| 213.75-236.25(SW) | 14.7 +- 1.6 | 4 |
| 236.25-258.75(WSW) | 14.2 +- .8 | 3 |
| 258.75-281.25(W) | 14.8 +- 1.0 | 3 |
| 281.25-303.75(WNW) | 14.6 +- .3 | 3 |
| 303.75-326.25(NW) | 15.1 +- .9 | 3 |
| 326.25-348.75(NNW) | 14.5 +- .6 | 6 |
| | | |

| DISTANCE(mi) FROM THE REACTOR | AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 0-2 | 14.7 +- .7 | 13 |
| 2-5 | 15.2 +- 1.3 | 6 |
| >5 | 14.3 +- .8 | 15 |
| UPWIND CONTROL DATA | 14.5 +- .2 | 3 |

FITZPATRICK/NINE MI.
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 831215-840423 130 DAYS
FIELD TIME 79 DAYS

| NRC STATION | LOCATION AZIMUTH/DIST (deg.) | (mi.) | GROSS EXPOSURE(mR) +- Rdm;Tot. | | | NET EXPOSURE RATE mR/Std.Qtr. +- Rdm;Tot. | | |
|---|---|---|---|---|---|---|---|---|
| 001 | 230 | 6.9 | 20.1 +- | .6 ; | 3.0 | 14.4 +- | .9 ; | 4.3 |
| 002 | 184 | 14 | 19.3 +- | .6 ; | 2.9 | 13.4 +- | .9 ; | 4.1 |
| 003 | 122 | 8.4 | 19.3 +- | .6 ; | 2.9 | 13.5 +- | .9 ; | 4.1 |
| 004 | 76 | 10. | 19.4 +- | .6 ; | 2.9 | 13.6 +- | .9 ; | 4.2 |
| 005 | 91 | 6.8 | 19.8 +- | .6 ; | 3.0 | 14.0 +- | .9 ; | 4.2 |
| 006 | 112 | 4.3 | 18.8 +- | .6 ; | 2.8 | 12.9 +- | .8 ; | 4.1 |
| 007 | 138 | 4.3 | 20.1 +- | .6 ; | 3.0 | 14.4 +- | .9 ; | 4.2 |
| 008 | 152 | 3.6 | 19.1 +- | .6 ; | 2.9 | 13.2 +- | .9 ; | 4.1 |
| 009 | 183 | 3.9 | 19.4 +- | .6 ; | 2.9 | 13.6 +- | .9 ; | 4.2 |
| 010 | 205 | 4.5 | 18.9 +- | .6 ; | 2.8 | 13.0 +- | .9 ; | 4.1 |
| 011 | 220 | 4.4 | 19.7 +- | .6 ; | 2.9 | 13.9 +- | .9 ; | 4.2 |
| 012 | 230 | 6.1 | 19.7 +- | .6 ; | 2.9 | 13.9 +- | .9 ; | 4.2 |
| 013 | 245 | 1.8 | 20.3 +- | .6 ; | 3.0 | 14.6 +- | .9 ; | 4.3 |
| 014 | 223 | 1.8 | 19.6 +- | .6 ; | 2.9 | 13.8 +- | .9 ; | 4.2 |
| 015 | 204 | 2 | 19.6 +- | .6 ; | 2.9 | 13.8 +- | .9 ; | 4.2 |
| 016 | 181 | 1.8 | 20.0 +- | .6 ; | 3.0 | 14.3 +- | .9 ; | 4.2 |
| 017 | 157 | 1.9 | 20.7 +- | .6 ; | 3.1 | 15.1 +- | .9 ; | 4.3 |
| 018 | 137 | 1.6 | 19.3 +- | .6 ; | 2.9 | 13.4 +- | .9 ; | 4.1 |
| 019 | 115 | 1.2 | 19.4 +- | .6 ; | 2.9 | 13.6 +- | .9 ; | 4.1 |
| 020 | 92 | 1.1 | 20.4 +- | .6 ; | 3.1 | 14.7 +- | .9 ; | 4.3 |
| 021 | 229 | 19. | 18.5 +- | .6 ; | 2.8 | 12.5 +- | .8 ; | 4.0 |
| 022 | 229 | 19. | 18.3 +- | .5 ; | 2.7 | 12.3 +- | .8 ; | 4.0 |
| 023 | 229 | 19. | 18.4 +- | .6 ; | 2.8 | 12.5 +- | .8 ; | 4.0 |
| 024 | 196 | 8 | 18.1 +- | .5 ; | 2.7 | 12.1 +- | .8 ; | 4.0 |
| 025 | 168 | 7.2 | 18.7 +- | .6 ; | 2.8 | 12.8 +- | .8 ; | 4.1 |
| 026 | 152 | .6 | 20.7 +- | .6 ; | 3.1 | 15.0 +- | .9 ; | 4.3 |
| TRANSIT DOSE = | 7.5 | +- .5 ; 2.2 | | | | | | |

FITZPATRICK/NINE MI.
FOR THE PERIOD 831215-840423

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

| AZIMUTH (deg.) | NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 348.75-11.25 (N) | NO DATA+-NO DATA | 0 |
| 11.25-33.75 (NNE) | NO DATA+-NO DATA | 0 |
| 33.75-56.25 (NE) | NO DATA+-NO DATA | 0 |
| 56.25-78.75 (ENE) | 13.6 +- 0.0 | 1 |
| 78.75-101.25 (E) | 14.4 +- .5 | 2 |
| 101.25-123.75(ESE) | 13.3 +- .3 | 3 |
| 123.75-146.25(SE) | 13.9 +- .6 | 2 |
| 146.25-168.75(SSE) | 14.0 +- 1.2 | 4 |
| 168.75-191.25(S) | 13.8 +- .5 | 3 |
| 191.25-213.75(SSW) | 13.0 +- .9 | 3 |
| 213.75-236.25(SW) | 14.0 +- .3 | 4 |
| 236.25-258.75(WSW) | 14.6 +- 0.0 | 1 |
| 258.75-281.25(W) | NO DATA+-NO DATA | 0 |
| 281.25-303.75(WNW) | NO DATA+-NO DATA | 0 |
| 303.75-326.25(NW) | NO DATA+-NO DATA | 0 |
| 326.25-348.75(NNW) | NO DATA+-NO DATA | 0 |
| | | |

| DISTANCE(mi) FROM THE REACTOR | NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 0-2 | 14.2 +- .6 | 9 |
| 2-5 | 13.5 +- .6 | 6 |
| >5 | 13.5 +- .7 | 8 |
| UPWIND CONTROL DATA | 12.4 +- .1 | 3 |

FT.CALHOUN
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 831208-840417 131 DAYS
FIELD TIME 97 DAYS

| NRC STATION | LOCATION AZIMUTH (deg.) | DIST (mi.) | GROSS EXPOSURE(mR) +- Rdm;Tot. | NET EXPOSURE RATE mR/Std.Qtr. +- Rdm;Tot. |
|---|---|---|---|---|
| 001 | 358 | 2.0 | 22.1 +- .7 ; 3.3 | NO NET DATA |
| 002 | 351 | 4.6 | 22.4 +- .7 ; 3.4 | NO NET DATA |
| 003 | 30 | 2.5 | 22.5 +- .7 ; 3.4 | NO NET DATA |
| 004 | 27 | 4.6 | 20.7 +- .6 ; 3.1 | NO NET DATA |
| 005 | 53 | 1.9 | 22.0 +- .7 ; 3.3 | NO NET DATA |
| 006 | 37 | 3.9 | 22.3 +- .7 ; 3.3 | NO NET DATA |
| 007 | 76 | 2.3 | 23.8 +- .7 ; 3.6 | NO NET DATA |
| 008 | 59 | 5.2 | 23.7 +- .7 ; 3.5 | NO NET DATA |
| 009 | 100 | 2.3 | 21.9 +- .7 ; 3.3 | NO NET DATA |
| 010 | 88 | 5.6 | 21.2 +- .6 ; 3.2 | NO NET DATA |
| 011 | 122 | 2.3 | 23.0 +- .7 ; 3.4 | NO NET DATA |
| 012 | 105 | 5.7 | 21.8 +- .7 ; 3.3 | NO NET DATA |
| 013 | 145 | 1.9 | 23.6 +- .7 ; 3.5 | NO NET DATA |
| 014 | 128 | 5.5 | 22.9 +- .7 ; 3.4 | NO NET DATA |
| 015 | 157 | 1.9 | 24.3 +- .7 ; 3.6 | NO NET DATA |
| 016 | 150 | 4.9 | 23.0 +- .7 ; 3.4 | NO NET DATA |
| 017 | 173 | 0.5 | 23.1 +- .7 ; 3.5 | NO NET DATA |
| 018 | 173 | 3.3 | 23.9 +- .7 ; 3.6 | NO NET DATA |
| 019 | 212 | 2.5 | MISSING OR DAMAGED DOSIMETER | |
| 020 | 204 | 5.3 | 23.0 +- .7 ; 3.4 | NO NET DATA |
| 021 | 233 | 2.0 | 23.9 +- .7 ; 3.6 | NO NET DATA |
| 022 | 224 | 4.6 | 23.4 +- .7 ; 3.5 | NO NET DATA |
| 023 | 239 | 0.6 | 22.7 +- .7 ; 3.4 | NO NET DATA |
| 024 | 243 | 5.9 | 22.4 +- .7 ; 3.4 | NO NET DATA |
| 025 | 269 | 3.3 | 24.2 +- .7 ; 3.6 | NO NET DATA |
| 026 | 262 | 5.9 | 24.1 +- .7 ; 3.6 | NO NET DATA |
| 027 | 288 | 2.8 | MISSING OR DAMAGED DOSIMETER | |
| 028 | 292 | 5.0 | 22.4 +- .7 ; 3.4 | NO NET DATA |
| 029 | 311 | 2.4 | 23.3 +- .7 ; 3.5 | NO NET DATA |
| 030 | 310 | 5.5 | 24.5 +- .7 ; 3.7 | NO NET DATA |
| 031 | 340 | 2.3 | 21.0 +- .6 ; 3.2 | NO NET DATA |
| 032 | 338 | 5.3 | 21.7 +- .6 ; 3.2 | NO NET DATA |
| 033 | 182 | 0.5 | 24.0 +- .7 ; 3.6 | NO NET DATA |
| 035 | 127 | 6.2 | 21.4 +- .6 ; 3.2 | NO NET DATA |
| 039 | 150 | 5.0 | 22.6 +- .7 ; 3.4 | NO NET DATA |
| 040 | 73 | 9.5 | 25.0 +- .7 ; 3.7 | NO NET DATA |
| 043 | 29 | 6.0 | 24.0 +- .7 ; 3.6 | NO NET DATA |
| 044 | 65 | 3.5 | 20.2 +- .6 ; 3.0 | NO NET DATA |
| 045 | 182 | 4.3 | 23.2 +- .7 ; 3.5 | NO NET DATA |
| 047 | 298 | 4.0 | 23.5 +- .7 ; 3.5 | NO NET DATA |
| 048 | 13 | 14. | 21.2 +- .6 ; 3.2 | NO NET DATA |
| 049 | 207 | 19. | 23.8 +- .7 ; 3.6 | NO NET DATA |

NO TRANSIT DOSE CALCULATED (TLD CONTROLS MISSING OR OTHERWISE NOT COMPLETE)

FT.CALHOUN
FOR THE PERIOD 831208-840417

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

| AZIMUTH (deg.) | AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 348.75-11.25 (N) | 15.3 +- .1 | 2 |
| 11.25-33.75 (NNE) | 15.4 +- 1.1 | 3 |
| 33.75-56.25 (NE) | 15.2 +- .2 | 2 |
| 56.25-78.75 (ENE) | 15.9 +- 1.4 | 4 |
| 78.75-101.25 (E) | 14.8 +- .3 | 2 |
| 101.25-123.75(ESE) | 15.4 +- .6 | 2 |
| 123.75-146.25(SE) | 15.5 +- .8 | 3 |
| 146.25-168.75(SSE) | 16.0 +- .6 | 3 |
| 168.75-191.25(S) | 16.2 +- .3 | 4 |
| 191.25-213.75(SSW) | 15.8 +- 0.0 | 1 |
| 213.75-236.25(SW) | 16.2 +- .3 | 2 |
| 236.25-258.75(WSW) | 15.5 +- .1 | 2 |
| 258.75-281.25(W) | 16.1 +- .0 | 2 |
| 281.25-303.75(WNW) | 15.8 +- .5 | 2 |
| 303.75-326.25(NW) | 16.4 +- .6 | 2 |
| 326.25-348.75(NNW) | 14.7 +- .3 | 2 |
| | | |

| DISTANCE(mi) FROM THE REACTOR | AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 0-2 | 15.9 +- .6 | 8 |
| 2-5 | 15.4 +- .8 | 18 |
| >5 | 15.9 +- .8 | 12 |
| UPWIND CONTROL DATA | 15.4 +- 1.3 | 2 |

FT. ST. VRAIN
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 831208-840411 125 DAYS
FIELD TIME 97 DAYS

| NRC STATION | LOCATION AZIMUTH/DIST (deg.) | (mi.) | GROSS EXPOSURE(mR) +- Rdm;Tot. | NET EXPOSURE RATE mR/Std.Qtr. +- Rdm;Tot. |
|---|---|---|---|---|
| 001 | 8 | 0.8 | 32.4 +- 1.0 ; 4.9 | 23.6 +- 1.1 ; |
| 002 | 2 | 3.3 | 32.4 +- 1.0 ; 4.9 | 23.6 +- 1.1 ; |
| 003 | 29 | 2.6 | 34.4 +- 1.0 ; 5.2 | 25.4 +- 1.1 ; |
| 004 | 17 | 5.4 | 34.0 +- 1.0 ; 5.1 | 25.1 +- 1.1 ; |
| 005 | 54 | 2.1 | 29.1 +- .9 ; 4.4 | 20.5 +- 1.0 ; |
| 006 | 48 | 4.8 | 37.0 +- 1.1 ; 5.5 | 27.8 +- 1.2 ; |
| 007 | 76 | 2.6 | 35.1 +- 1.1 ; 5.3 | 26.1 +- 1.1 ; |
| 008 | 58 | 4.2 | 35.0 +- 1.1 ; 5.3 | 26.0 +- 1.1 ; |
| 009 | 100 | 1.5 | 33.9 +- 1.0 ; 5.1 | 25.0 +- 1.1 ; |
| 010 | 87 | 4.5 | 32.7 +- 1.0 ; 4.9 | 23.9 +- 1.1 ; |
| 011 | 118 | 1.6 | 36.2 +- 1.1 ; 5.4 | 27.1 +- 1.2 ; |
| 012 | 104 | 3.0 | 36.2 +- 1.1 ; 5.4 | 27.1 +- 1.2 ; |
| 013 | 143 | 1.6 | 35.5 +- 1.1 ; 5.3 | 26.5 +- 1.1 ; |
| 014 | 128 | 4.5 | 36.1 +- 1.1 ; 5.4 | 27.0 +- 1.2 ; |
| 015 | 168 | 2.3 | 34.3 +- 1.0 ; 5.1 | 25.3 +- 1.1 ; |
| 016 | 148 | 4.6 | 39.9 +- 1.2 ; 6.0 | 30.5 +- 1.3 ; |
| 017 | 182 | 0.8 | 37.6 +- 1.1 ; 5.6 | 28.4 +- 1.2 ; |
| 018 | 175 | 4.8 | 35.0 +- 1.0 ; 5.2 | 25.9 +- 1.1 ; |
| 019 | 210 | 0.9 | 36.1 +- 1.1 ; 5.4 | 27.0 +- 1.2 ; |
| 020 | 200 | 2.9 | 36.0 +- 1.1 ; 5.4 | 26.9 +- 1.2 ; |
| 021 | 234 | 1.3 | 37.2 +- 1.1 ; 5.6 | 28.0 +- 1.2 ; |
| 022 | 216 | 3.3 | 33.1 +- 1.0 ; 4.9 | 24.2 +- 1.1 ; |
| 023 | 254 | 2.5 | 32.4 +- 1.0 ; 4.9 | 23.5 +- 1.1 ; |
| 024 | 244 | 3.8 | 34.9 +- 1 0 ; 5.2 | 25.9 +- 1.1 ; |
| 025 | 278 | 1.5 | 33.4 +- 1.0 ; 5.0 | 24.5 +- 1.1 ; |
| 026 | 263 | 5.4 | 34.1 +- 1.0 ; 5.1 | 25.1 +- 1.1 ; |
| 027 | 297 | 1.7 | 32.7 +- 1.0 ; 4.9 | 23.8 +- 1.1 ; |
| 028 | 284 | 5.6 | 33.8 +- 1.0 ; 5.1 | 24.8 +- 1.1 ; |
| 029 | 317 | 0.9 | 30.8 +- .9 ; 4.6 | 22.1 +- 1.0 ; |
| 030 | 305 | 4.2 | 30.7 +- .9 ; 4.6 | 22.0 +- 1.0 ; |
| 031 | 338 | 1.4 | 32.7 +- 1.0 ; 4.9 | 23.9 +- 1.1 ; |
| 032 | 330 | 5.0 | 30.1 +- .9 ; 4.5 | 21.4 +- 1.0 ; 4.9 |
| 033 | 267 | 6.5 | MISSING OR DAMAGED DOSIMETER | |
| 034 | 130 | 3.7 | 34.7 +- 1.0 ; 5.2 | 25.7 +- 1.1 ; |
| 035 | 270 | 0.1 | 35.1 +- 1.1 ; 5.3 | 26.1 +- 1.1 ; |
| 038 | 345 | 6.7 | 37.1 +- 1.1 ; 5.6 | 27.9 +- 1.2 ; |
| 039 | 10 | 6.0 | 36.2 +- 1.1 ; 5.4 | 27.1 +- 1.2 ; |
| 040 | 63 | 6.0 | 35.1 +- 1.1 ; 5.3 | 26.1 +- 1.1 ; |
| 041 | 165 | 12. | 37.9 +- 1.1 ; 5.7 | 28.7 +- 1.2 ; |
| 042 | 248 | 13. | 45.9 +- 1.4 ; 6.9 | 36.1 +- 1.4 ; |
| 045 | 198 | 11. | 37.9 +- 1.1 ; 5.7 | 28.7 +- 1.2 ; |
| 046 | 39 | 16. | 34.8 +- 1.0 ; 5.2 | 25.8 +- 1.1 ; |
| 047 | 357 | 17. | 32.8 +- 1.0 ; 4.9 | 24.0 +- 1.1 ; |
| 048 | 171 | 18. | 36.8 +- 1.1 ; 5.5 | 27.7 +- 1.2 ; |
| 049 | 360 | 0.5 | 36.5 +- 1.1 ; 5.5 | 27.3 +- 1.2 ; 5.7 |

TRANSIT DOSE = 7.0 +- .6 ; 2.7

FT. ST. VRAIN
FOR THE PERIOD 831208-840411

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

| AZIMUTH (deg.) | NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 348.75-11.25 (N) | 24.7 +- 2.0 | 3 |
| 11.25-33.75 (NNE) | 25.2 +- .2 | 2 |
| 33.75-56.25 (NE) | 24.7 +- 3.8 | 3 |
| 56.25-78.75 (ENE) | 26.1 +- .1 | 3 |
| 78.75-101.25 (E) | 24.4 +- .8 | 2 |
| 101.25-123.75(ESE) | 27.1 +- .0 | 2 |
| 123.75-146.25(SE) | 26.4 +- .7 | 3 |
| 146.25-168.75(SSE) | 28.2 +- 2.6 | 3 |
| 168.75-191.25(S) | 27.2 +- 1.7 | 2 |
| 191.25-213.75(SSW) | 27.5 +- 1.0 | 3 |
| 213.75-236.25(SW) | 26.1 +- 2.7 | 2 |
| 236.25-258.75(WSW) | 28.5 +- 6.7 | 3 |
| 258.75-281.25(W) | 25.2 +- .8 | 3 |
| 281.25-303.75(WNW) | 24.3 +- .7 | 2 |
| 303.75-326.25(NW) | 22.0 +- .1 | 2 |
| 326.25-348.75(NNW) | 24.4 +- 3.3 | 3 |
| | | |

| DISTANCE(mi) FROM THE REACTOR | NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 0-2 | 25.5 +- 2.0 | 12 |
| 2-5 | 25.2 +- 2.4 | 19 |
| >5 | 27.5 +- 3.4 | 10 |
| UPWIND CONTROL DATA | 26.3 +- 2.1 | 3 |

CINNA
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 831215-840423 130 DAYS
FIELD TIME 80 DAYS

| NRC STATION | LOCATION AZIMUTH/DIST (deg.) | (mi.) | GROSS EXPOSURE(mR) +- Rdm;Tot. | NET EXPOSURE RATE mR/Std.Qtr. +- Rdm;Tot. |
|---|---|---|---|---|
| 001 | 95 | 1.7 | 19.4 +- .6 ; 2.9 | 14.3 +- .8 ; 4.0 |
| 002 | 108 | 1.1 | 17.8 +- .5 ; 2.7 | 12.5 +- .8 ; 3.8 |
| 003 | 142 | 1.7 | 18.0 +- .5 ; 2.7 | 12.7 +- .8 ; 3.8 |
| 004 | 154 | 1.5 | 18.6 +- .6 ; 2.8 | 13.4 +- .8 ; 3.9 |
| 005 | 174 | 1.4 | 19.1 +- .6 ; 2.9 | 14.0 +- .8 ; 4.0 |
| 006 | 212 | 1.6 | 18.3 +- .5 ; 2.7 | 13.1 +- .8 ; 3.9 |
| 007 | 244 | .9 | 18.1 +- .5 ; 2.7 | 12.8 +- .8 ; 3.9 |
| 008 | 230 | .6 | 19.7 +- .6 ; 3.0 | 14.6 +- .8 ; 4.1 |
| 010 | 266 | 1.5 | 18.5 +- .6 ; 2.8 | 13.3 +- .8 ; 3.9 |
| 011 | 264 | 4.6 | 18.5 +- .6 ; 2.8 | 13.2 +- .8 ; 3.9 |
| 012 | 245 | 3.8 | 18.4 +- .6 ; 2.8 | 13.1 +- .8 ; 3.9 |
| 013 | 235 | 4.2 | 19.2 +- .6 ; 2.9 | 14.0 +- .8 ; 4.0 |
| 014 | 200 | 3.8 | 18.7 +- .6 ; 2.8 | 13.5 +- .8 ; 3.9 |
| 015 | 178 | 3.4 | 19.8 +- .6 ; 3.0 | 14.7 +- .8 ; 4.1 |
| 016 | 160 | 3.7 | 17.9 +- .5 ; 2.7 | 12.6 +- .8 ; 3.8 |
| 017 | 134 | 3.8 | 17.8 +- .5 ; 2.7 | 12.5 +- .8 ; 3.8 |
| 018 | 115 | 4.3 | 18.6 +- .6 ; 2.8 | 13.4 +- .8 ; 3.9 |
| 019 | 88 | 4 | 18.5 +- .6 ; 2.8 | 13.2 +- .8 ; 3.9 |
| 020 | 90 | 6.2 | MISSING OR DAMAGED DOSIMETER | |
| 021 | 123 | 7.6 | 17.8 +- .5 ; 2.7 | 12.5 +- .8 ; 3.8 |
| 022 | 105 | 12. | 18.3 +- .5 ; 2.7 | 13.1 +- .8 ; 3.9 |
| 023 | 151 | 11. | 18.2 +- .5 ; 2.7 | 12.9 +- .8 ; 3.9 |
| 024 | 212 | 13. | 21.9 +- .7 ; 3.3 | 17.1 +- .9 ; 4.4 |
| 025 | 223 | 13. | 18.8 +- .6 ; 2.8 | 13.6 +- .8 ; 3.9 |
| 026 | 242 | 16. | MISSING OR DAMAGED DOSIMETER | |
| 027 | 254 | 14. | 27.5 +- .8 ; 4.1 | 23.4 +- 1.1 ; 5.2 |
| 028 | 234 | 6.9 | 18.0 +- .5 ; 2.7 | 12.7 +- .8 ; 3.8 |
| 029 | 185 | .3 | 19.7 +- .6 ; 3.0 | 14.6 +- .8 ; 4.1 |
| 030 | 264 | 14. | 18.1 +- .5 ; 2.7 | 12.8 +- .8 ; 3.9 |
| TRANSIT DOSE = | | | 6.7 +- .5 ; 2.1 | |

GINNA
FOR THE PERIOD 831215-840423

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

| AZIMUTH (deg.) | NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 348.75-11.25 (N) | NO DATA+-NO DATA | 0 |
| 11.25-33.75 (NNE) | NO DATA+-NO DATA | 0 |
| 33.75-56.25 (NE) | NO DATA+-NO DATA | 0 |
| 56.25-78.75 (ENE) | NO DATA+-NO DATA | 0 |
| 78.75-101.25 (E) | 13.7 +- .7 | 2 |
| 101.25-123.75(ESE) | 12.8 +- .5 | 4 |
| 123.75-146.25(SE) | 12.6 +- .2 | 2 |
| 146.25-168.75(SSE) | 13.0 +- .4 | 3 |
| 168.75-191.25(S) | 14.4 +- .4 | 3 |
| 191.25-213.75(SSW) | 14.6 +- 2.2 | 3 |
| 213.75-236.25(SW) | 13.7 +- .8 | 4 |
| 236.25-258.75(WSW) | 13.0 +- .2 | 2 |
| 258.75-281.25(W) | 13.3 +- .0 | 2 |
| 281.25-303.75(WNW) | NO DATA+-NO DATA | 0 |
| 303.75-326.25(NW) | NO DATA+-NO DATA | 0 |
| 326.25-348.75(NNW) | NO DATA+-NO DATA | 0 |
| | | |

| DISTANCE(mi) FROM THE REACTOR | NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 0-2 | 13.5 +- .8 | 10 |
| 2-5 | 13.4 +- .7 | 9 |
| >5 | 13.6 +- 1.7 | 6 |
| UPWIND CONTROL DATA | 18.1 +- 7.5 | 2 |

GRAND GULF
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 831214-840417 125 DAYS
FIELD TIME 97 DAYS

| NRC STATION | LOCATION AZIMUTH/DIST (deg.) | (mi.) | GROSS EXPOSURE(mR) +- Rdm;Tot. | | | NET EXPOSURE RATE mR/Std.Qtr. +- Rdm;Tot. | | |
|---|---|---|---|---|---|---|---|---|
| 002 | 351 | 1.6 | 20.0 +- | .6 ; | 3.0 | 14.7 +- | .7 ; | 3.4 |
| 003 | 20 | 1.5 | 22.7 +- | .7 ; | 3.4 | 17.2 +- | .8 ; | 3.7 |
| 004 | 51 | 2.3 | 20.6 +- | .6 ; | 3.1 | 15.3 +- | .7 ; | 3.5 |
| 005 | 68 | 2.7 | 22.2 +- | .7 ; | 3.3 | 16.8 +- | .8 ; | 3.7 |
| 006 | 47 | 4.1 | 20.5 +- | .6 ; | 3.1 | 15.2 +- | .7 ; | 3.5 |
| 007 | 68 | 4.9 | 23.4 +- | .7 ; | 3.5 | 17.9 +- | .8 ; | 3.8 |
| 008 | 91 | 3.2 | 24.5 +- | .7 ; | 3.7 | 18.9 +- | .8 ; | 4.0 |
| 009 | 81 | 1.0 | 21.1 +- | .6 ; | 3.2 | 15.8 +- | .8 ; | 3.6 |
| 010 | 109 | 0.6 | 24.2 +- | .7 ; | 3.6 | 18.6 +- | .8 ; | 3.9 |
| 011 | 139 | 0.8 | 24.2 +- | .7 ; | 3.6 | 18.6 +- | .8 ; | 3.9 |
| 012 | 185 | 1.6 | 22.7 +- | .7 ; | 3.4 | 17.2 +- | .8 ; | 3.7 |
| 013 | 207 | 1.9 | 23.2 +- | .7 ; | 3.5 | 17.7 +- | .8 ; | 3.8 |
| 014 | 247 | 1.5 | MISSING OR DAMAGED DOSIMETER | | | | | |
| 015 | 130 | 4.2 | 22.9 +- | .7 ; | 3.4 | 17.4 +- | .8 ; | 3.8 |
| 016 | 122 | 4.8 | 22.9 +- | .7 ; | 3.4 | 17.4 +- | .8 ; | 3.8 |
| 017 | 135 | 5.3 | 21.4 +- | .6 ; | 3.2 | 16.0 +- | .8 ; | 3.6 |
| 018 | 147 | 4.3 | 19.8 +- | .6 ; | 3.0 | 14.6 +- | .7 ; | 3.4 |
| 019 | 224 | 6.8 | 23.6 +- | .7 ; | 3.5 | 18.0 +- | .8 ; | 3.8 |
| 020 | 172 | 3.6 | 21.3 +- | .6 ; | 3.2 | 15.9 +- | .8 ; | 3.6 |
| 021 | 291 | 12. | 21.1 +- | .6 ; | 3.2 | 15.8 +- | .8 ; | 3.6 |
| 022 | 332 | 8.0 | 23.5 +- | .7 ; | 3.5 | 18.0 +- | .8 ; | 3.8 |
| 023 | 310 | 7.9 | MISSING OR DAMAGED DOSIMETER | | | | | |
| 024 | 281 | 7.0 | 20.4 +- | .6 ; | 3.1 | 15.1 +- | .7 ; | 3.5 |
| 025 | 291 | 4.8 | 22.1 +- | .7 ; | 3.3 | 16.7 +- | .8 ; | 3.7 |
| 026 | 248 | 9.5 | 20.2 +- | .6 ; | 3.0 | 14.9 +- | .7 ; | 3.5 |
| 027 | 239 | 12. | 19.5 +- | .6 ; | 2.9 | 14.2 +- | .7 ; | 3.4 |
| 029 | 090 | 0.9 | 21.4 +- | .6 ; | 3.2 | 16.1 +- | .8 ; | 3.6 |
| 030 | 67 | 51 | 19.1 +- | .6 ; | 2.9 | 13.9 +- | .7 ; | 3.3 |
| 031 | 67 | 51 | 18.5 +- | .6 ; | 2.8 | 13.3 +- | .7 ; | 3.3 |
| 032 | 67 | 51 | 18.3 +- | .5 ; | 2.7 | 13.1 +- | .7 ; | 3.2 |
| 033 | 206 | 4.8 | 23.4 +- | .7 ; | 3.5 | 17.9 +- | .8 ; | 3.8 |
| TRANSIT DOSE = | 4.1 | +- .5 ; 2.2 | | | | | | |

GRAND GULF
FOR THE PERIOD 831214-840417

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

| AZIMUTH (deg.) | NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 348.75-11.25 (N) | 14.7 +- 0.0 | 1 |
| 11.25-33.75 (NNE) | 17.2 +- 0.0 | 1 |
| 33.75-56.25 (NE) | 15.2 +- .1 | 2 |
| 56.25-78.75 (ENE) | 17.3 +- .8 | 2 |
| 78.75-101.25 (E) | 16.9 +- 1.7 | 3 |
| 101.25-123.75(ESE) | 18.0 +- .9 | 2 |
| 123.75-146.25(SE) | 17.3 +- 1.3 | 3 |
| 146.25-168.75(SSE) | 14.6 +- 0.0 | 1 |
| 168.75-191.25(S) | 16.6 +- .9 | 2 |
| 191.25-213.75(SSW) | 17.8 +- .1 | 2 |
| 213.75-236.25(SW) | 18.0 +- 0.0 | 1 |
| 236.25-258.75(WSW) | 14.6 +- .5 | 2 |
| 258.75-281.25(W) | 15.1 +- 0.0 | 1 |
| 281.25-303.75(WNW) | 16.2 +- .7 | 2 |
| 303.75-326.25(NW) | NO DATA+-NO DATA | 0 |
| 326.25-348.75(NNW) | 18.0 +- 0.0 | 1 |
| | | |

| DISTANCE(mi) FROM THE REACTOR | NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 0-2 | 17.0 +- 1.4 | 8 |
| 2-5 | 16.7 +- 1.4 | 11 |
| >5 | 16.0 +- 1.5 | 7 |
| UPWIND CONTROL DATA | 13.4 +- .4 | 3 |

HADDAM NECK
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 831215-840413 120 DAYS
FIELD TIME 92 DAYS

| NRC STATION | LOCATION AZIMUTH/DIST (deg.) | (mi.) | GROSS EXPOSURE(mR) +- Rdm;Tot. | NET EXPOSURE RATE mR/Std.Qtr. +- Rdm;Tot. |
|---|---|---|---|---|
| 002 | 17 | 2.6 | 24.3 +- .7 ; 3.6 | NO NET DATA |
| 003 | 45 | 1.9 | 19.6 +- .6 ; 2.9 | NO NET DATA |
| 004 | 67 | 2.3 | 20.9 +- .6 ; 3.1 | NO NET DATA |
| 005 | 93 | 1.6 | 21.0 +- .6 ; 3.2 | NO NET DATA |
| 006 | 115 | 2.3 | 19.8 +- .6 ; 3.0 | NO NET DATA |
| 007 | 143 | 1.9 | 22.2 +- .7 ; 3.3 | NO NET DATA |
| 008 | 165 | .9 | 20.3 +- .6 ; 3.0 | NO NET DATA |
| 009 | 174 | 1.3 | 23.1 +- .7 ; 3.5 | NO NET DATA |
| 010 | 195 | .7 | 20.8 +- .6 ; 3.1 | NO NET DATA |
| 012 | 241 | .8 | 21.8 +- .7 ; 3.3 | NO NET DATA |
| 013 | 263 | .8 | 19.8 +- .6 ; 3.0 | NO NET DATA |
| 014 | 290 | 1.9 | 22.2 +- .7 ; 3.3 | NO NET DATA |
| 015 | 311 | 1.5 | 18.6 +- .6 ; 2.8 | NO NET DATA |
| 016 | 341 | 1.3 | 20.7 +- .6 ; 3.1 | NO NET DATA |
| 017 | 360 | 2.3 | MISSING OR DAMAGED DOSIMETER | |
| 018 | 222 | 2.5 | 21.2 +- .6 ; 3.2 | NO NET DATA |
| 019 | 269 | 3 | 20.8 +- .6 ; 3.1 | NO NET DATA |
| 020 | 66 | 3.2 | 21.0 +- .6 ; 3.2 | NO NET DATA |
| 021 | 91 | 2.8 | 22.4 +- .7 ; 3.4 | NO NET DATA |
| 022 | 112 | 3.2 | 20.4 +- .6 ; 3.1 | NO NET DATA |
| 023 | 137 | 2.9 | 20.0 +- .6 ; 3.0 | NO NET DATA |
| 024 | 155 | 7.1 | 20.3 +- .6 ; 3.0 | NO NET DATA |
| 025 | 175 | 5.7 | 21.8 +- .7 ; 3.3 | NO NET DATA |
| 026 | 196 | 2.5 | 19.5 +- .6 ; 2.9 | NO NET DATA |
| 027 | 225 | 1.1 | 23.0 +- .7 ; 3.4 | NO NET DATA |
| 028 | 250 | 3.5 | 20.2 +- .6 ; 3.0 | NO NET DATA |
| 029 | 340 | 20 | 33.7 +- 1.0 ; 5.1 | NO NET DATA |
| 030 | 286 | 3.2 | 19.6 +- .6 ; 2.9 | NO NET DATA |
| 031 | 322 | 2.7 | 21.0 +- .6 ; 3.2 | NO NET DATA |
| 032 | 327 | 2.9 | 24.1 +- .7 ; 3.6 | NO NET DATA |
| 033 | 359 | 6.4 | 19.4 +- .6 ; 2.9 | NO NET DATA |
| 035 | 54 | 10. | 21.0 +- .6 ; 3.2 | NO NET DATA |
| 036 | 72 | 8.8 | 23.5 +- .7 ; 3.5 | NO NET DATA |
| 037 | 149 | 6.8 | 19.1 +- .6 ; 2.9 | NO NET DATA |
| 038 | 158 | 5.9 | 20.4 +- .6 ; 3.1 | NO NET DATA |
| 039 | 267 | 8.8 | 20.8 +- .6 ; 3.1 | NO NET DATA |
| 040 | 303 | 9.1 | 22.3 +- .7 ; 3.3 | NO NET DATA |
| 041 | 313 | 9.6 | 19.7 +- .6 ; 3.0 | NO NET DATA |
| 042 | 320 | 13. | 22.9 +- .7 ; 3.4 | NO NET DATA |
| 043 | 324 | 18 | 20.2 +- .6 ; 3.0 | NO NET DATA |
| 044 | 328 | 15 | 20.8 +- .6 ; 3.1 | NO NET DATA |
| 045 | 343 | 18 | 22.7 +- .7 ; 3.4 | NO NET DATA |
| 046 | 144 | 5 | 20.9 +- .6 ; 3.1 | NO NET DATA |
| 047 | 330 | 20 | MISSING OR DAMAGED DOSIMETER | |
| 049 | 340 | 20 | 22.1 +- .7 ; 3.3 | NO NET DATA |

NO TRANSIT DOSE CALCULATED (TLD CONTROLS MISSING OR OTHERWISE NOT COMPLETE)

HADDAM NECK
FOR THE PERIOD 831215-840413

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

| AZIMUTH (deg.) | AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 348.75-11.25 (N) | 14.5 +- 0.0 | 1 |
| 11.25-33.75 (NNE) | 18.2 +- 0.0 | 1 |
| 33.75-56.25 (NE) | 15.2 +- .7 | 2 |
| 56.25-78.75 (ENE) | 16.3 +- 1.1 | 3 |
| 78.75-101.25 (E) | 16.3 +- .7 | 2 |
| 101.25-123.75(ESE) | 15.1 +- .3 | 2 |
| 123.75-146.25(SE) | 15.8 +- .8 | 3 |
| 146.25-168.75(SSE) | 15.0 +- .5 | 4 |
| 168.75-191.25(S) | 16.8 +- .7 | 2 |
| 191.25-213.75(SSW) | 15.1 +- .7 | 2 |
| 213.75-236.25(SW) | 16.6 +- .9 | 2 |
| 236.25-258.75(WSW) | 15.7 +- .8 | 2 |
| 258.75-281.25(W) | 15.4 +- .4 | 3 |
| 281.25-303.75(WNW) | 16.0 +- 1.1 | 3 |
| 303.75-326.25(NW) | 15.4 +- 1.2 | 5 |
| 326.25-348.75(NNW) | 18.3 +- 4.1 | 5 |
| | | |

| DISTANCE(mi) FROM THE REACTOR | AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 0-2 | 15.8 +- 1.0 | 12 |
| 2-5 | 15.8 +- 1.1 | 15 |
| >5 | 16.4 +- 2.6 | 15 |
| UPWIND CONTROL DATA | 16.6 +- 0.0 | 1 |

HATCH
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 831214-840413 121 DAYS
FIELD TIME 89 DAYS

| NRC STATION | LOCATION AZIMUTH (deg.) | DIST (mi.) | GROSS EXPOSURE(mR) +- Rdm; Tot. | NET EXPOSURE RATE mR/Std.Qtr. +- Rdm; Tot. |
|---|---|---|---|---|
| 001 | 342 | 23 | 19.7 +- .6 ; 3.0 | 15.6 +- .7 ; 3.5 |
| 002 | 359 | 7.7 | 18.9 +- .6 ; 2.8 | 14.8 +- .7 ; 3.4 |
| 003 | 354 | 4.5 | 18.3 +- .5 ; 2.7 | 14.1 +- .7 ; 3.4 |
| 004 | 336 | 2.9 | 17.9 +- .5 ; 2.7 | 13.8 +- .7 ; 3.3 |
| 005 | 309 | 4.6 | 18.1 +- .5 ; 2.7 | 13.9 +- .7 ; 3.3 |
| 006 | 297 | 5.6 | 18.9 +- .6 ; 2.8 | 14.8 +- .7 ; 3.4 |
| 007 | 24 | 2.8 | 17.8 +- .5 ; 2.7 | 13.7 +- .7 ; 3.3 |
| 008 | 49 | 2.0 | 18.3 +- .5 ; 2.7 | 14.1 +- .7 ; 3.4 |
| 009 | 49/ | 10. | 18.0 +- .5 ; 2.7 | 13.8 +- .7 ; 3.3 |
| 010 | 28 | 4.8 | 19.0 +- .6 ; 2.8 | 14.8 +- .7 ; 3.4 |
| 011 | 67 | 5.0 | 19.5 +- .6 ; 2.9 | 15.3 +- .7 ; 3.5 |
| 012 | 50 | 5.1 | 22.8 +- .7 ; 3.4 | 18.7 +- .8 ; 3.9 |
| 013 | 353 | 2.0 | 18.4 +- .6 ; 2.8 | 14.2 +- .7 ; 3.4 |
| 014 | 341 | 1.6 | 18.7 +- .6 ; 2.8 | 14.5 +- .7 ; 3.4 |
| 015 | 147 | 10. | 17.8 +- .5 ; 2.7 | 13.6 +- .7 ; 3.3 |
| 016 | 232 | 0.9 | 18.2 +- .5 ; 2.7 | 14.0 +- .7 ; 3.3 |
| 017 | 205 | 1.6 | 19.5 +- .6 ; 2.9 | 15.3 +- .7 ; 3.5 |
| 018 | 192 | 4.2 | 16.3 +- .5 ; 2.4 | 12.1 +- .7 ; 3.1 |
| 019 | 184 | 4.2 | 15.3 +- .5 ; 2.3 | 11.1 +- .6 ; 3.0 |
| 020 | 165 | 4.6 | 16.4 +- .5 ; 2.5 | 12.3 +- .7 ; 3.1 |
| 021 | 135 | 4.4 | 17.1 +- .5 ; 2.6 | 12.9 +- .7 ; 3.2 |
| 022 | 120 | 4.1 | 19.6 +- .6 ; 2.9 | 15.4 +- .7 ; 3.5 |
| 023 | 107 | 3.7 | 18.5 +- .6 ; 2.8 | 14.3 +- .7 ; 3.4 |
| 024 | 123 | 13. | 19.5 +- .6 ; 2.9 | 15.4 +- .7 ; 3.5 |
| 025 | 114 | 12. | 18.0 +- .5 ; 2.7 | 13.9 +- .7 ; 3.3 |
| 026 | 142 | 1.8 | 17.9 +- .5 ; 2.7 | 13.7 +- .7 ; 3.3 |
| 027 | 157 | 2.2 | 17.5 +- .5 ; 2.6 | 13.4 +- .7 ; 3.3 |
| 028 | 171 | 0.9 | 18.9 +- .6 ; 2.8 | 14.8 +- .7 ; 3.4 |
| 029 | 253 | 1.0 | 17.8 +- .5 ; 2.7 | 13.7 +- .7 ; 3.3 |
| 030 | 270 | 1.0 | MISSING OR DAMAGED DOSIMETER | |
| 031 | 292 | 1.1 | 17.2 +- .5 ; 2.6 | 13.1 +- .7 ; 3.2 |
| 032 | 268 | 4.2 | 18.4 +- .6 ; 2.8 | 14.3 +- .7 ; 3.4 |
| 033 | 248 | 4.3 | 15.9 +- .5 ; 2.4 | 11.8 +- .7 ; 3.1 |
| 034 | 216 | 4.1 | 15.6 +- .5 ; 2.3 | 11.4 +- .6 ; 3.0 |
| 035 | 234 | 11. | 17.7 +- .5 ; 2.6 | 13.5 +- .7 ; 3.3 |
| 036 | 182 | 10. | 16.7 +- .5 ; 2.5 | 12.6 +- .7 ; 3.2 |
| 037 | 177 | 10. | 17.8 +- .5 ; 2.7 | 13.6 +- .7 ; 3.3 |
| 038 | 323 | 12. | 19.2 +- .6 ; 2.9 | 15.0 +- .7 ; 3.5 |
| 039 | 321 | 13. | 19.3 +- .6 ; 2.9 | 15.1 +- .7 ; 3.5 |
| 040 | 323 | 12. | 18.6 +- .6 ; 2.8 | 14.5 +- .7 ; 3.4 |
| TRANSIT DOSE = | 4.3 | +- .4 ; 1.9 | | |

HATCH
FOR THE PERIOD 831214-840413

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

| AZIMUTH (deg.) | NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 348.75-11.25 (N) | 14.4 +- .4 | 3 |
| 11.25-33.75 (NNE) | 14.3 +- .8 | 2 |
| 33.75-56.25 (NE) | 15.6 +- 2.7 | 3 |
| 56.25-78.75 (ENE) | 15.3 +- 0.0 | 1 |
| 78.75-101.25 (E) | NO DATA+-NO DATA | 0 |
| 101.25-123.75(ESE) | 14.8 +- .8 | 4 |
| 123.75-146.25(SE) | 13.3 +- .6 | 2 |
| 146.25-168.75(SSE) | 13.1 +- .7 | 3 |
| 168.75-191.25(S) | 13.0 +- 1.5 | 4 |
| 191.25-213.75(SSW) | 13.7 +- 2.3 | 2 |
| 213.75-236.25(SW) | 13.0 +- 1.4 | 3 |
| 236.25-258.75(WSW) | 12.7 +- 1.4 | 2 |
| 258.75-281.25(W) | 14.3 +- 0.0 | 1 |
| 281.25-303.75(WNW) | 13.9 +- 1.2 | 2 |
| 303.75-326.25(NW) | 13.9 +- 0.0 | 1 |
| 326.25-348.75(NNW) | 14.6 +- .9 | 3 |
| | | |

| DISTANCE(mi) FROM THE REACTOR | NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 0-2 | 14.2 +- .7 | 9 |
| 2-5 | 13.4 +- 1.4 | 16 |
| >5 | 14.6 +- 1.6 | 11 |
| UPWIND CONTROL DATA | 14.9 +- .4 | 3 |

INDIAN POINT
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 831215-840420 127 DAYS
FIELD TIME 66 DAYS

| NRC STATION | LOCATION AZIMUTH/DIST (deg.) | (mi.) | GROSS EXPOSURE(mR) +- Rdm;Tot. | NET EXPOSURE RATE mR/Std.Qtr. +- Rdm;Tot. |
|---|---|---|---|---|
| 001 | 52 | 1.4 | 17.7 +- .5 ; 2.7 | 12.1 +- 1.0 ; 4.7 |
| 002 | 53 | 1 | 21.4 +- .6 ; 3.2 | 17.1 +- 1.1 ; 5.3 |
| 003 | 61 | 1.5 | 19.9 +- .6 ; 3.0 | 15.1 +- 1.0 ; 5.1 |
| 004 | 89 | 1.2 | 19.6 +- .6 ; 2.9 | 14.7 +- 1.0 ; 5.0 |
| 005 | 107 | .9 | 19.4 +- .6 ; 2.9 | 14.4 +- 1.0 ; 5.0 |
| 006 | 90 | .5 | 20.1 +- .6 ; 3.0 | 15.4 +- 1.1 ; 5.1 |
| 007 | 133 | .8 | 20.3 +- .6 ; 3.0 | 15.6 +- 1.1 ; 5.2 |
| 008 | 158 | .8 | 20.6 +- .6 ; 3.1 | 16.0 +- 1.1 ; 5.2 |
| 009 | 188 | 1.2 | MISSING OR DAMAGED DOSIMETER | |
| 010 | 206 | .9 | 19.9 +- .6 ; 3.0 | 15.1 +- 1.0 ; 5.1 |
| 011 | 170 | 1.1 | 19.8 +- .6 ; 3.0 | 14.9 +- 1.0 ; 5.1 |
| 012 | 155 | 2.3 | 19.8 +- .6 ; 3.0 | 14.9 +- 1.0 ; 5.1 |
| 013 | 136 | 3.2 | 19.2 +- .6 ; 2.9 | 14.1 +- 1.0 ; 5.0 |
| 014 | 107 | 3.1 | 21.0 +- .6 ; 3.1 | 16.5 +- 1.1 ; 5.3 |
| 015 | 94 | 3.8 | 19.2 +- .6 ; 2.9 | 14.1 +- 1.0 ; 5.0 |
| 016 | 142 | 5.7 | 21.0 +- .6 ; 3.1 | 16.5 +- 1.1 ; 5.3 |
| 018 | 147 | 9.1 | 20.3 +- .6 ; 3.0 | 15.6 +- 1.1 ; 5.2 |
| 019 | 137 | 11. | 20.6 +- .6 ; 3.1 | 16.0 +- 1.1 ; 5.2 |
| 020 | 129 | 11. | MISSING OR DAMAGED DOSIMETER | |
| 022 | 74 | 7.5 | 20.4 +- .6 ; 3.1 | 15.7 +- 1.1 ; 5.2 |
| 023 | 5 | 92 | 21.0 +- .6 ; 3.1 | 16.5 +- 1.1 ; 5.3 |
| 024 | 5 | 92 | 20.0 +- .6 ; 3.0 | 15.2 +- 1.0 ; 5.1 |
| 025 | 65 | 4.1 | 20.0 +- .6 ; 3.0 | 15.1 +- 1.0 ; 5.1 |
| 026 | 40 | 4 | 23.1 +- .7 ; 3.5 | 19.4 +- 1.1 ; 5.6 |
| 027 | 25 | 5.3 | 21.2 +- .6 ; 3.2 | 16.9 +- 1.1 ; 5.3 |
| 028 | 24 | 2.9 | 20.9 +- .6 ; 3.1 | 16.4 +- 1.1 ; 5.3 |
| 029 | 22 | 2.1 | 20.9 +- .6 ; 3.1 | 16.4 +- 1.1 ; 5.2 |
| 030 | 8 | 1.9 | 21.2 +- .6 ; 3.2 | 16.9 +- 1.1 ; 5.3 |
| 031 | 356 | 5 | 20.7 +- .6 ; 3.1 | 16.1 +- 1.1 ; 5.2 |
| 032 | 330 | 3.7 | 20.9 +- .6 ; 3.1 | 16.4 +- 1.1 ; 5.3 |
| 033 | 338 | 4.7 | 21.7 +- .6 ; 3.2 | 17.5 +- 1.1 ; 5.4 |
| 034 | 354 | 7 | 22.3 +- .7 ; 3.3 | 18.3 +- 1.1 ; 5.5 |
| 035 | 297 | 4.4 | 20.1 +- .6 ; 3.0 | 15.3 +- 1.1 ; 5.1 |
| 036 | 309 | 3.6 | MISSING OR DAMAGED DOSIMETER | |
| 037 | 350 | 1.1 | 21.6 +- .6 ; 3.2 | 17.3 +- 1.1 ; 5.4 |
| 038 | 337 | .9 | 20.5 +- .6 ; 3.1 | 15.8 +- 1.1 ; 5.2 |
| 039 | 315 | 1 | 20.0 +- .6 ; 3.0 | 15.1 +- 1.0 ; 5.1 |
| 040 | 294 | 1.1 | MISSING OR DAMAGED DOSIMETER | |
| 041 | 274 | 1.1 | 22.1 +- .7 ; 3.3 | 18.0 +- 1.1 ; 5.4 |
| 042 | 248 | 1.5 | 21.9 +- .7 ; 3.3 | 17.8 +- 1.1 ; 5.4 |
| 043 | 263 | 2.8 | MISSING OR DAMAGED DOSIMETER | |
| 044 | 5 | 92. | 19.7 +- .6 ; 3.0 | 14.8 +- 1.0 ; 5.1 |
| 045 | 227 | 2.4 | 21.0 +- .6 ; 3.1 | 16.5 +- 1.1 ; 5.3 |
| 046 | 209 | 3.2 | 20.3 +- .6 ; 3.0 | 15.6 +- 1.1 ; 5.1 |
| 047 | 218 | 5.3 | 20.1 +- .6 ; 3.0 | 15.3 +- 1.1 ; 5.1 |
| 048 | 201 | 4.6 | 20.1 +- .6 ; 3.0 | 15.3 +- 1.1 ; 5.1 |
| 049 | 187 | 5.2 | 18.8 +- .6 ; 2.8 | 13.5 +- 1.0 ; 4.9 |
| TRANSIT DOSE = | | | 8.8 +- .5 ; 2.2 | |

INDIAN POINT
FOR THE PERIOD 831215-840420

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

| AZIMUTH (deg.) | NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 348.75-11.25 (N) | 16.7 +- 1.3 | 5 |
| 11.25-33.75 (NNE) | 16.6 +- .3 | 3 |
| 33.75-56.25 (NE) | 16.2 +- 3.7 | 3 |
| 56.25-78.75 (ENE) | 15.3 +- .3 | 3 |
| 78.75-101.25 (E) | 14.7 +- .6 | 3 |
| 101.25-123.75(ESE) | 15.5 +- 1.5 | 2 |
| 123.75-146.25(SE) | 15.6 +- 1.0 | 4 |
| 146.25-168.75(SSE) | 15.5 +- .5 | 3 |
| 168.75-191.25(S) | 14.2 +- 1.0 | 2 |
| 191.25-213.75(SSW) | 15.3 +- .2 | 3 |
| 213.75-236.25(SW) | 15.9 +- .9 | 2 |
| 236.25-258.75(WSW) | 17.8 +- 0.0 | 1 |
| 258.75-281.25(W) | 18.0 +- 0.0 | 1 |
| 281.25-303.75(WNW) | 15.3 +- 0.0 | 1 |
| 303.75-326.25(NW) | 15.1 +- 0.0 | 1 |
| 326.25-348.75(NNW) | 16.6 +- .8 | 3 |
| | | |

| DISTANCE(mi) FROM THE REACTOR | NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 0-2 | 15.7 +- 1.5 | 16 |
| 2-5 | 16.0 +- 1.3 | 15 |
| >5 | 15.8 +- 1.3 | 9 |
| UPWIND CONTROL DATA | 15.9 +- .9 | 2 |

KEWAUNEE/PT. BEACH
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 831212-840504 144 DAYS
FIELD TIME 92 DAYS

| NRC STATION | LOCATION AZIMUTH (deg.) | LOCATION DIST (mi.) | GROSS EXPOSURE(mR) +- Rdm | GROSS EXPOSURE(mR) Tot. | NET EXPOSURE RATE mR/Std.Qtr. +- Rdm | NET EXPOSURE RATE mR/Std.Qtr. Tot. |
|---|---|---|---|---|---|---|
| 001 | 189 | 8.1 | 18.4 +- .6 | 2.8 | 12.5 +- .7 | 3.5 |
| 002 | 195 | 7.0 | 24.1 +- .7 | 3.6 | 18.1 +- .9 | 4.2 |
| 003 | 163 | 4.9 | 18.8 +- .6 | 2.8 | 12.9 +- .7 | 3.5 |
| 004 | 183 | 3.3 | 22.4 +- .7 | 3.4 | 16.4 +- .8 | 3.9 |
| 005 | 210 | 3.2 | 18.2 +- .5 | 2.7 | 12.4 +- .7 | 3.4 |
| 006 | 223 | 3.7 | 22.5 +- .7 | 3.4 | 16.5 +- .8 | 4.0 |
| 007 | 242 | 5.7 | 18.9 +- .6 | 2.8 | 13.1 +- .7 | 3.5 |
| 008 | 202 | 1.8 | 23.7 +- .7 | 3.6 | 17.8 +- .9 | 4.1 |
| 009 | 180 | 1.8 | 22.7 +- .7 | 3.4 | 16.7 +- .8 | 4.0 |
| 010 | 158 | 1.9 | 19.1 +- .6 | 2.9 | 13.2 +- .7 | 3.5 |
| 011 | 235 | 1.2 | 23.2 +- .7 | 3.5 | 17.2 +- .8 | 4.0 |
| 012 | 258 | 1.4 | 22.1 +- .7 | 3.3 | 16.2 +- .8 | 3.9 |
| 013 | 273 | 1.4 | 21.7 +- .6 | 3.2 | 15.7 +- .8 | 3.9 |
| 014 | 290 | 0.9 | 23.1 +- .7 | 3.5 | 17.2 +- .8 | 4.0 |
| 015 | 342 | 0.8 | 29.0 +- .9 | 4.4 | 22.9 +- 1.0 | 4.8 |
| 016 | 342 | 1.9 | 22.4 +- .7 | 3.4 | 16.5 +- .8 | 3.9 |
| 017 | 317 | 2.0 | 21.0 +- .6 | 3.1 | 15.1 +- .8 | 3.8 |
| 018 | 310 | 3.4 | 23.3 +- .7 | 3.5 | 17.4 +- .8 | 4.1 |
| 019 | 293 | 4.0 | 22.6 +- .7 | 3.4 | 16.6 +- .8 | 4.0 |
| 020 | 273 | 4.0 | 21.1 +- .6 | 3.2 | 15.2 +- .8 | 3.8 |
| 021 | 300 | 5.6 | 21.4 +- .6 | 3.2 | 15.5 +- .8 | 3.8 |
| 022 | 316 | 5.9 | 21.4 +- .6 | 3.2 | 15.5 +- .8 | 3.8 |
| 023 | 345 | 2.7 | 21.9 +- .7 | 3.3 | 15.9 +- .8 | 3.9 |
| 024 | 219 | 1.3 | 20.9 +- .6 | 3.1 | 15.0 +- .8 | 3.8 |
| 025 | 247 | 1.4 | 22.6 +- .7 | 3.4 | 16.6 +- .8 | 4.0 |
| 026 | 263 | 1.3 | 21.4 +- .6 | 3.2 | 15.5 +- .8 | 3.8 |
| 027 | 290 | 1.4 | 21.8 +- .7 | 3.3 | 15.8 +- .8 | 3.9 |
| 028 | 320 | 1.3 | 21.5 +- .6 | 3.2 | 15.6 +- .8 | 3.8 |
| 029 | 342 | 1.1 | 21.2 +- .6 | 3.2 | 15.3 +- .8 | 3.8 |
| 030 | 329 | 0.6 | 21.9 +- .7 | 3.3 | 15.9 +- .8 | 3.9 |
| 031 | 13 | 1.0 | 20.7 +- .6 | 3.1 | 14.8 +- .8 | 3.7 |
| 032 | 353 | 2.1 | 22.0 +- .7 | 3.3 | 16.0 +- .8 | 3.9 |
| 033 | 301 | 3.9 | 21.2 +- .6 | 3.2 | 15.3 +- .8 | 3.8 |
| 034 | 299 | 8.4 | 23.6 +- .7 | 3.5 | 17.7 +- .8 | 4.1 |
| 035 | 323 | 3.8 | 19.8 +- .6 | 3.0 | 13.9 +- .8 | 3.6 |
| 036 | 336 | 3.3 | 21.0 +- .6 | 3.2 | 15.1 +- .8 | 3.8 |
| 037 | 6 | 3.1 | 20.5 +- .6 | 3.1 | 14.6 +- .8 | 3.7 |
| 038 | 14 | 3.7 | 19.1 +- .6 | 2.9 | 13.2 +- .7 | 3.5 |
| 039 | 13 | 7.6 | 19.3 +- .6 | 2.9 | 13.4 +- .7 | 3.6 |
| 040 | 247 | 4.3 | 21.7 +- .6 | 3.2 | 15.7 +- .8 | 3.9 |
| 041 | 8 | 23. | 20.1 +- .6 | 3.0 | 14.2 +- .8 | 3.7 |
| 042 | 8 | 23. | 20.0 +- .6 | 3.0 | 14.1 +- .8 | 3.7 |
| 043 | 8 | 23. | 19.4 +- .6 | 2.9 | 13.5 +- .8 | 3.6 |

TRANSIT DOSE = 5.6 +- .5 ; 2.2

KEWAUNEE/PT. BEACH
FOR THE PERIOD 831212-840504

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

| AZIMUTH (deg.) | NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 348.75-11.25 (N) | 15.3 +- 1.0 | 2 |
| 11.25-33.75 (NNE) | 13.8 +- .8 | 3 |
| 33.75-56.25 (NE) | NO DATA+-NO DATA | 0 |
| 56.25-78.75 (ENE) | NO DATA+-NO DATA | 0 |
| 78.75-101.25 (E) | NO DATA+-NO DATA | 0 |
| 101.25-123.75(ESE) | NO DATA+-NO DATA | 0 |
| 123.75-146.25(SE) | NO DATA+-NO DATA | 0 |
| 146.25-168.75(SSE) | 13.1 +- .2 | 2 |
| 168.75-191.25(S) | 15.2 +- 2.3 | 3 |
| 191.25-213.75(SSW) | 16.1 +- 3.2 | 3 |
| 213.75-236.25(SW) | 16.3 +- 1.1 | 3 |
| 236.25-258.75(WSW) | 15.4 +- 1.6 | 4 |
| 258.75-281.25(W) | 15.5 +- .3 | 3 |
| 281.25-303.75(WNW) | 16.3 +- 1.0 | 6 |
| 303.75-326.25(NW) | 15.5 +- 1.3 | 5 |
| 326.25-348.75(NNW) | 17.0 +- 3.0 | 6 |
| | | |

| DISTANCE(mi) FROM THE REACTOR | NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 0-2 | 16.3 +- 2.0 | 18 |
| 2-5 | 15.2 +- 1.5 | 15 |
| >5 | 15.1 +- 2.2 | 7 |
| UPWIND CONTROL DATA | 13.9 +- .4 | 3 |

LACROSSE
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 831209-840423 136 DAYS
FIELD TIME 91 DAYS

| NRC STATION | LOCATION AZIMUTH/DIST (deg.) | (mi.) | GROSS EXPOSURE(mR) +- Rdm;Tot. | NET EXPOSURE RATE mR/Std.Qtr. +- Rdm;Tot. |
|---|---|---|---|---|
| 001 | 5/ | 20. | 19.7 +- .6 ; 2.9 | 14.4 +- .8 ; 3.6 |
| 002 | 5/ | 20. | 20.1 +- .6 ; 3.0 | 14.8 +- .8 ; 3.7 |
| 003 | 3/ | 20. | 19.8 +- .6 ; 3.0 | 14.5 +- .8 ; 3.6 |
| 004 | 343 | 3.8 | MISSING OR DAMAGED DOSIMETER | |
| 005 | 313 | 3.8 | 26.3 +- .8 ; 3.9 | 20.9 +- .9 ; 4.4 |
| 006 | 291 | 3.0 | 20.4 +- .6 ; 3.1 | 15.1 +- .8 ; 3.7 |
| 007 | 261 | 4.8 | 20.8 +- .6 ; 3.1 | 15.5 +- .8 ; 3.7 |
| 008 | 249 | 3.2 | 21.3 +- .6 ; 3.2 | 16.0 +- .8 ; 3.8 |
| 009 | 214 | 5.0 | 19.0 +- .6 ; 2.9 | 13.7 +- .7 ; 3.5 |
| 010 | 171 | 9.8 | 18.4 +- .6 ; 2.8 | 13.1 +- .7 ; 3.5 |
| 011 | 176 | 5.1 | 19.1 +- .6 ; 2.9 | 13.8 +- .7 ; 3.5 |
| 012 | 165 | 4.9 | 20.1 +- .6 ; 3.0 | 14.8 +- .8 ; 3.7 |
| 013 | 138 | 3.5 | 18.9 +- .6 ; 2.8 | 13.6 +- .7 ; 3.5 |
| 014 | 114 | 4.2 | 19.4 +- .6 ; 2.9 | 14.1 +- .8 ; 3.6 |
| 015 | 97 | 3.9 | MISSING OR DAMAGED DOSIMETER | |
| 016 | 94 | 3.0 | 21.0 +- .6 ; 3.2 | 15.7 +- .8 ; 3.8 |
| 017 | 105 | 2.0 | 22.1 +- .7 ; 3.3 | 16.8 +- .8 ; 3.9 |
| 018 | 52 | 1.5 | 18.5 +- .6 ; 2.8 | 13.2 +- .7 ; 3.5 |
| 019 | 16 | 1.5 | 18.8 +- .6 ; 2.8 | 13.5 +- .7 ; 3.5 |
| 020 | 1 | 1.0 | 18.6 +- .6 ; 2.8 | 13.3 +- .7 ; 3.5 |
| 021 | 358 | 0.5 | 21.3 +- .6 ; 3.2 | 16.0 +- .8 ; 3.8 |
| 022 | 180 | 0.6 | 19.8 +- .6 ; 3.0 | 14.5 +- .8 ; 3.6 |
| 023 | 134 | 1.7 | 19.9 +- .6 ; 3.0 | 14.6 +- .8 ; 3.6 |
| 024 | 58 | 0.6 | 21.0 +- .6 ; 3.2 | 15.7 +- .8 ; 3.8 |
| 025 | 59 | 3.1 | 20.1 +- .6 ; 3.0 | 14.8 +- .8 ; 3.7 |
| 026 | 16 | 1.5 | MISSING OR DAMAGED DOSIMETER | |
| 027 | 26 | 5.1 | 20.5 +- .6 ; 3.1 | 15.2 +- .8 ; 3.7 |
| 028 | 25 | 7.0 | 18.8 +- .6 ; 2.8 | 13.5 +- .7 ; 3.5 |
| 029 | 4 | 4.8 | 19.0 +- .6 ; 2.9 | 13.7 +- .7 ; 3.5 |

TRANSIT DOSE = 5.1 +- .5 ; 2.1

LACROSSE
FOR THE PERIOD 831209-840423

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

| AZIMUTH (deg.) | NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 348.75-11.25 (N) | 14.4 +- 1.5 | 3 |
| 11.25-33.75 (NNE) | 14.1 +- 1.0 | 3 |
| 33.75-56.25 (NE) | 13.2 +- 0.0 | 1 |
| 56.25-78.75 (ENE) | 15.3 +- .6 | 2 |
| 78.75-101.25 (E) | 15.7 +- 0.0 | 1 |
| 101.25-123.75(ESE) | 15.5 +- 1.9 | 2 |
| 123.75-146.25(SE) | 14.1 +- .7 | 2 |
| 146.25-168.75(SSE) | 14.8 +- 0.0 | 1 |
| 168.75-191.25(S) | 13.8 +- .7 | 3 |
| 191.25-213.75(SSW) | NO DATA+-NO DATA | 0 |
| 213.75-236.25(SW) | 13.7 +- 0.0 | 1 |
| 236.25-258.75(WSW) | 16.0 +- 0.0 | 1 |
| 258.75-281.25(W) | 15.5 +- 0.0 | 1 |
| 281.25-303.75(WNW) | 15.1 +- 0.0 | 1 |
| 303.75-326.25(NW) | 20.9 +- 0.0 | 1 |
| 326.25-348.75(NNW) | NO DATA+-NO DATA | 0 |
| | | |

| DISTANCE(mi) FROM THE REACTOR | NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 0-2 | 14.7 +- 1.4 | 8 |
| 2-5 | 15.3 +- 2.0 | 11 |
| >5 | 13.9 +- .9 | 4 |
| UPWIND CONTROL DATA | 14.6 +- .2 | 3 |

LA SALLE
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 831209-840406 119 DAYS
FIELD TIME 86 DAYS

| NRC STATION | LOCATION AZIMUTH/DIST (deg.) | (mi.) | GROSS EXPOSURE(mR) +- Rdm;Tot. | | | NET EXPOSURE RATE mR/Std.Qtr. +- Rdm;Tot. | | |
|---|---|---|---|---|---|---|---|---|
| 001 | 302 | 10. | 21.0 +- | .6 ; | 3.1 | 16.7 +- | .9 ; | 4.0 |
| 002 | 335 | 4.8 | 21.7 +- | .7 ; | 3.3 | 17.5 +- | .9 ; | 4.1 |
| 003 | 343 | 5.8 | 20.8 +- | .6 ; | 3.1 | 16.5 +- | .8 ; | 4.0 |
| 004 | 38 | 5.5 | 20.5 +- | .6 ; | 3.1 | 16.2 +- | .8 ; | 4.0 |
| 005 | 39 | 4.3 | 18.7 +- | .6 ; | 2.8 | 14.3 +- | .8 ; | 3.8 |
| 006 | 27 | 3.8 | 21.1 +- | .6 ; | 3.2 | 16.8 +- | .9 ; | 4.1 |
| 007 | 355 | 4.1 | 23.0 +- | .7 ; | 3.4 | 18.8 +- | .9 ; | 4.3 |
| 008 | 304 | 4.6 | 21.7 +- | .7 ; | 3.3 | 17.5 +- | .9 ; | 4.1 |
| 009 | 292 | 3.9 | 22.3 +- | .7 ; | 3.3 | 18.0 +- | .9 ; | 4.2 |
| 010 | 276 | 3.7 | 20.2 +- | .6 ; | 3.0 | 15.9 +- | .8 ; | 4.0 |
| 011 | 248 | 4.0 | 21.8 +- | .7 ; | 3.3 | 17.6 +- | .9 ; | 4.2 |
| 012 | 222 | 12. | 20.6 +- | .6 ; | 3.1 | 16.3 +- | .8 ; | 4.0 |
| 013 | 212 | 18. | 22.1 +- | .7 ; | 3.3 | 17.8 +- | .9 ; | 4.2 |
| 014 | 212 | 18. | 21.7 +- | .7 ; | 3.3 | 17.5 +- | .9 ; | 4.1 |
| 015 | 212 | 18. | 20.9 +- | .6 ; | 3.1 | 16.6 +- | .9 ; | 4.0 |
| 016 | 215 | 4.4 | 22.5 +- | .7 ; | 3.4 | 18.2 +- | .9 ; | 4.2 |
| 017 | 204 | 4.0 | 21.9 +- | .7 ; | 3.3 | 17.6 +- | .9 ; | 4.2 |
| 018 | 173 | 4.6 | 22.2 +- | .7 ; | 3.3 | 17.9 +- | .9 ; | 4.2 |
| 019 | 174 | 6.4 | 21.3 +- | .6 ; | 3.2 | 17.0 +- | .9 ; | 4.1 |
| 020 | 158 | 4.9 | 23.1 +- | .7 ; | 3.5 | 18.9 +- | .9 ; | 4.3 |
| 021 | 125 | 4.2 | 24.3 +- | .7 ; | 3.6 | 20.2 +- | .9 ; | 4.5 |
| 022 | 114 | 3.8 | 21.0 +- | .6 ; | 3.2 | 16.7 +- | .9 ; | 4.1 |
| 023 | 97 | 4.5 | 20.7 +- | .6 ; | 3.1 | 16.4 +- | .8 ; | 4.0 |
| 024 | 72 | 4.7 | 23.1 +- | .7 ; | 3.5 | 18.9 +- | .9 ; | 4.3 |
| 025 | 41 | 2.0 | 21.6 +- | .6 ; | 3.2 | 17.3 +- | .9 ; | 4.1 |
| 026 | 13 | 1.6 | 21.8 +- | .7 ; | 3.3 | 17.5 +- | .9 ; | 4.2 |
| 027 | 358 | 1.5 | 22.5 +- | .7 ; | 3.4 | 18.2 +- | .9 ; | 4.2 |
| 028 | 336 | 1.6 | 21.0 +- | .6 ; | 3.2 | 16.7 +- | .9 ; | 4.1 |
| 029 | 310 | 2.3 | 19.4 +- | .6 ; | 2.9 | 15.0 +- | .8 ; | 3.9 |
| 030 | 301 | 2.0 | 21.5 +- | .6 ; | 3.2 | 17.2 +- | .9 ; | 4.1 |
| 031 | 271 | 1.7 | 21.1 +- | .6 ; | 3.2 | 16.8 +- | .9 ; | 4.1 |
| 032 | 251 | 1.8 | 21.5 +- | .6 ; | 3.2 | 17.2 +- | .9 ; | 4.1 |
| 033 | 227 | 2.4 | 22.2 +- | .7 ; | 3.3 | 17.9 +- | .9 ; | 4.2 |
| 034 | 204 | 1.7 | 20.2 +- | .6 ; | 3.0 | 15.8 +- | .8 ; | 3.9 |
| 035 | 171 | 1.6 | 20.8 +- | .6 ; | 3.1 | 16.5 +- | .9 ; | 4.0 |
| 036 | 153 | 1.8 | 23.0 +- | .7 ; | 3.5 | 18.8 +- | .9 ; | 4.3 |
| 037 | 139 | 2.1 | 21.5 +- | .6 ; | 3.2 | 17.2 +- | .9 ; | 4.1 |
| 038 | 111 | 1.5 | 19.9 +- | .6 ; | 3.0 | 15.6 +- | .8 ; | 3.9 |
| 039 | 271 | 0.6 | 22.0 +- | .7 ; | 3.3 | 17.7 +- | .9 ; | 4.2 |
| TRANSIT DOSE = | | | 5.0 +- | .5 ; | 2.3 | | | |

LA SALLE
FOR THE PERIOD 831209-840406

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

| AZIMUTH (deg.) | NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 348.75-11.25 (N) | 18.5 +- .4 | 2 |
| 11.25-33.75 (NNE) | 17.1 +- .5 | 2 |
| 33.75-56.25 (NE) | 15.9 +- 1.5 | 3 |
| 56.25-78.75 (ENE) | 18.9 +- 0.0 | 1 |
| 78.75-101.25 (E) | 16.4 +- 0.0 | 1 |
| 101.25-123.75(ESE) | 16.1 +- .8 | 2 |
| 123.75-146.25(SE) | 18.7 +- 2.1 | 2 |
| 146.25-168.75(SSE) | 18.8 +- .0 | 2 |
| 168.75-191.25(S) | 17.2 +- .7 | 3 |
| 191.25-213.75(SSW) | 16.7 +- 1.3 | 2 |
| 213.75-236.25(SW) | 17.5 +- 1.0 | 3 |
| 236.25-258.75(WSW) | 17.4 +- .3 | 2 |
| 258.75-281.25(W) | 16.8 +- .9 | 3 |
| 281.25-303.75(WNW) | 17.3 +- .7 | 3 |
| 303.75-326.25(NW) | 16.3 +- 1.7 | 2 |
| 326.25-348.75(NNW) | 16.9 +- .5 | 3 |
| | | |

| DISTANCE(mi) FROM THE REACTOR | NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 0-2 | 17.1 +- .9 | 12 |
| 2-5 | 17.4 +- 1.4 | 19 |
| >5 | 16.5 +- .3 | 5 |
| UPWIND CONTROL DATA | 17.3 +- .6 | 3 |

LIMERICK
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 831212-840411 121 DAYS
FIELD TIME 106 DAYS

| NRC STATION | LOCATION AZIMUTH (deg.) | LOCATION DIST (mi.) | GROSS EXPOSURE(mR) +- Rdm; Tot. | NET EXPOSURE RATE mR/Std.Qtr. +- Rdm; Tot. |
|---|---|---|---|---|
| 002 | 131 | 17. | MISSING OR DAMAGED DOSIMETER | |
| 003 | 88 | 3.7 | 21.7 +- .7 ; 3.3 | 16.3 +- .7 ; 3.2 |
| 004 | 52 | 3.2 | 22.6 +- .7 ; 3.4 | 17.1 +- .7 ; 3.3 |
| 005 | 23 | 3.5 | 22.4 +- .7 ; 3.4 | 16.9 +- .7 ; 3.2 |
| 006 | 8 | 4.6 | 24.2 +- .7 ; 3.6 | 18.4 +- .7 ; 3.4 |
| 007 | 340 | 7.1 | 21.5 +- .6 ; 3.2 | 16.1 +- .7 ; 3.1 |
| 008 | 330 | 3.6 | 22.6 +- .7 ; 3.4 | 17.1 +- .7 ; 3.3 |
| 009 | 313 | 3.3 | 22.6 +- .7 ; 3.4 | 17.0 +- .7 ; 3.3 |
| 010 | 291 | 4.8 | 22.9 +- .7 ; 3.4 | 17.3 +- .7 ; 3.3 |
| 011 | 303 | 2.9 | 29.0 +- .9 ; 4.3 | 22.5 +- .8 ; 4.0 |
| 012 | 314 | 1.6 | 21.6 +- .6 ; 3.2 | 16.2 +- .7 ; 3.1 |
| 013 | 352 | 1.7 | 23.5 +- .7 ; 3.5 | 17.8 +- .7 ; 3.4 |
| 014 | 339 | 1.3 | 20.7 +- .6 ; 3.1 | 15.5 +- .6 ; 3.0 |
| 015 | 47 | 1.8 | 23.4 +- .7 ; 3.5 | 17.8 +- .7 ; 3.4 |
| 016 | 71 | 2.7 | 24.8 +- .7 ; 3.7 | 18.9 +- .7 ; 3.5 |
| 017 | 17 | .4 | 22.3 +- .7 ; 3.3 | 16.8 +- .7 ; 3.2 |
| 018 | 286 | .5 | 21.5 +- .6 ; 3.2 | 16.1 +- .7 ; 3.1 |
| 019 | 276 | .6 | 21.4 +- .6 ; 3.2 | 16.0 +- .7 ; 3.1 |
| 020 | 245 | .9 | 20.9 +- .6 ; 3.1 | 15.6 +- .6 ; 3.1 |
| 021 | 224 | 1 | 20.9 +- .6 ; 3.1 | 15.6 +- .6 ; 3.1 |
| 022 | 202 | 1.2 | 24.1 +- .7 ; 3.6 | 18.4 +- .7 ; 3.4 |
| 023 | 172 | 1.6 | MISSING OR DAMAGED DOSIMETER | |
| 024 | 150 | 1.7 | MISSING OR DAMAGED DOSIMETER | |
| 025 | 132 | 1.2 | 23.5 +- .7 ; 3.5 | 17.8 +- .7 ; 3.4 |
| 026 | 120 | 1.2 | 23.7 +- .7 ; 3.6 | 18.0 +- .7 ; 3.4 |
| 027 | 160 | 1 | 22.1 +- .7 ; 3.3 | 16.7 +- .7 ; 3.2 |
| 028 | 91 | 1 | 19.9 +- .6 ; 3.0 | 14.8 +- .6 ; 3.0 |
| 029 | 67 | .7 | MISSING OR DAMAGED DOSIMETER | |
| 030 | 146 | 3.4 | 26.0 +- .8 ; 3.9 | 19.9 +- .8 ; 3.6 |
| 031 | 158 | 2.8 | 22.9 +- .7 ; 3.4 | 17.3 +- .7 ; 3.3 |
| 032 | 152 | 7.4 | 22.5 +- .7 ; 3.4 | 17.0 +- .7 ; 3.2 |
| 033 | 184 | 4.3 | 19.7 +- .6 ; 2.9 | 14.6 +- .6 ; 2.9 |
| 034 | 201 | 3.9 | 21.9 +- .7 ; 3.3 | 16.4 +- .7 ; 3.2 |
| 035 | 225 | 5.1 | 21.5 +- .6 ; 3.2 | 16.1 +- .7 ; 3.1 |
| 036 | 245 | 4.2 | 22.4 +- .7 ; 3.4 | 16.9 +- .7 ; 3.2 |
| 037 | 266 | 3.9 | 18.6 +- .6 ; 2.8 | 13.7 +- .6 ; 2.8 |
| 038 | 290 | 15 | 22.5 +- .7 ; 3.4 | 17.0 +- .7 ; 3.2 |
| 039 | 290 | 15 | 22.6 +- .7 ; 3.4 | 17.1 +- .7 ; 3.3 |
| 040 | 290 | 15 | 24.3 +- .7 ; 3.6 | 18.5 +- .7 ; 3.5 |
| 041 | 128 | 3 | 18.4 +- .6 ; 2.8 | 13.5 +- .6 ; 2.8 |
| 042 | 111 | 4.4 | 20.6 +- .6 ; 3.1 | 15.3 +- .6 ; 3.0 |
| TRANSIT DOSE = | | | 2.5 +- .4 ; 1.8 | |

LIMERICK
FOR THE PERIOD 831212-840411

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

| AZIMUTH (deg.) | NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 348.75-11.25 (N) | 18.1 +- .5 | 2 |
| 11.25-33.75 (NNE) | 16.8 +- .1 | 2 |
| 33.75-56.25 (NE) | 17.4 +- .5 | 2 |
| 56.25-78.75 (ENE) | 18.9 +- 0.0 | 1 |
| 78.75-101.25 (E) | 15.6 +- 1.1 | 2 |
| 101.25-123.75(ESE) | 16.7 +- 1.9 | 2 |
| 123.75-146.25(SE) | 17.1 +- 3.3 | 3 |
| 146.25-168.75(SSE) | 17.0 +- .3 | 3 |
| 168.75-191.25(S) | 14.6 +- 0.0 | 1 |
| 191.25-213.75(SSW) | 17.4 +- 1.4 | 2 |
| 213.75-236.25(SW) | 15.9 +- .4 | 2 |
| 236.25-258.75(WSW) | 16.3 +- .9 | 2 |
| 258.75-281.25(W) | 14.9 +- 1.7 | 2 |
| 281.25-303.75(WNW) | 18.8 +- 3.4 | 3 |
| 303.75-326.25(NW) | 16.6 +- .6 | 2 |
| 326.25-348.75(NNW) | 16.2 +- .8 | 3 |
| | | |

| DISTANCE(mi) FROM THE REACTOR | NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 0-2 | 16.8 +- 1.1 | 14 |
| 2-5 | 17.0 +- 2.2 | 17 |
| >5 | 16.4 +- .5 | 3 |
| UPWIND CONTROL DATA | 17.5 +- .9 | 3 |

MAINE YANKEE
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 831215-840412 119 DAYS
FIELD TIME 95 DAYS

| NRC STATION | LOCATION AZIMUTH (deg.) | DIST (mi.) | GROSS EXPOSURE(mR) +- Rdm; Tot. | | | NET EXPOSURE RATE mR/Std.Qtr. +- Rdm; Tot. | | | |
|---|---|---|---|---|---|---|---|---|---|
| 002 | 6 | 1.4 | 20.6 | +- .6 | 3.1 | 14.3 | +- 1.1 | | 4.8 |
| 003 | 23 | 1.5 | 20.1 | +- .6 | 3.0 | 13.8 | +- 1.0 | | 4.7 |
| 004 | 44 | 1.8 | 19.0 | +- .6 | 2.8 | 12.8 | +- 1.0 | | 4.6 |
| 005 | 116 | .5 | 20.1 | +- .6 | 3.0 | 13.8 | +- 1.0 | | 4.7 |
| 006 | 168 | 1 | 20.6 | +- .6 | 3.1 | 14.3 | +- 1.1 | | 4.8 |
| 007 | 185 | 1.6 | 19.0 | +- .6 | 2.8 | 12.8 | +- 1.0 | | 4.6 |
| 008 | 195 | 2.3 | 19.7 | +- .6 | 2.9 | 13.4 | +- 1.0 | | 4.7 |
| 009 | 209 | 3.8 | 19.6 | +- .6 | 2.9 | 13.4 | +- 1.0 | | 4.7 |
| 010 | 310 | 1.7 | 19.1 | +- .6 | 2.9 | 12.9 | +- 1.0 | | 4.6 |
| 011 | 290 | 1.8 | 21.9 | +- .7 | 3.3 | 15.6 | +- 1.1 | | 4.9 |
| 012 | 275 | 1.7 | 21.2 | +- .6 | 3.2 | 14.9 | +- 1.1 | | 4.8 |
| 013 | 256 | 1.9 | 19.3 | +- .6 | 2.9 | 13.1 | +- 1.0 | | 4.7 |
| 014 | 233 | 2.5 | 19.8 | +- .6 | 3.0 | 13.5 | +- 1.0 | | 4.7 |
| 015 | 224 | 3.3 | 19.5 | +- .6 | 2.9 | 13.3 | +- 1.0 | | 4.7 |
| 016 | 245 | 4.4 | 21.3 | +- .6 | 3.2 | 14.9 | +- 1.1 | | 4.8 |
| 017 | 250 | 6.6 | 26.9 | +- .8 | 4.0 | 20.2 | +- 1.2 | | 5.4 |
| 018 | 268 | 4.7 | 20.8 | +- .6 | 3.1 | 14.5 | +- 1.1 | | 4.8 |
| 019 | 283 | 4.4 | 19.1 | +- .6 | 2.9 | 12.9 | +- 1.0 | | 4.6 |
| 020 | 305 | 4.7 | 18.2 | +- .5 | 2.7 | 12.0 | +- 1.0 | | 4.6 |
| 021 | 300 | 2.9 | 19.6 | +- .6 | 2.9 | 13.4 | +- 1.0 | | 4.7 |
| 022 | 332 | 2.7 | 21.6 | +- .6 | 3.2 | 15.3 | +- 1.1 | | 4.9 |
| 023 | 20 | 3.9 | 20.6 | +- .6 | 3.1 | 14.3 | +- 1.1 | | 4.8 |
| 024 | 43 | 3 | 20.6 | +- .6 | 3.1 | 14.3 | +- 1.1 | | 4.8 |
| 025 | 42 | 4.7 | 20.2 | +- .6 | 3.0 | 13.9 | +- 1.0 | | 4.7 |
| 026 | 60 | 15 | 18.3 | +- .5 | 2.7 | 12.1 | +- 1.0 | | 4.6 |
| 027 | 62 | 16. | 18.6 | +- .6 | 2.8 | 12.4 | +- 1.0 | | 4.6 |
| 028 | 63 | 16. | 19.2 | +- .6 | 2.9 | 13.0 | +- 1.0 | | 4.7 |
| 029 | 64 | 2.1 | 22.6 | +- .7 | 3.4 | 16.2 | +- 1.1 | | 5.0 |
| 030 | 84 | 1.5 | 21.4 | +- .6 | 3.2 | 15.0 | +- 1.1 | | 4.8 |
| 031 | 115 | 1.6 | 19.5 | +- .6 | 2.9 | 13.3 | +- 1.0 | | 4.7 |
| 032 | 135 | 2 | 19.0 | +- .6 | 2.8 | 12.8 | +- 1.0 | | 4.6 |
| 033 | 66 | 3.5 | 20.2 | +- .6 | 3.0 | 13.9 | +- 1.0 | | 4.7 |
| 034 | 97 | 4.9 | 21.0 | +- .6 | 3.1 | 14.7 | +- 1.1 | | 4.8 |
| 035 | 123 | 4.8 | 22.0 | +- .7 | 3.3 | 15.6 | +- 1.1 | | 4.9 |
| 036 | 140 | 4.9 | 21.2 | +- .6 | 3.2 | 14.9 | +- 1.1 | | 4.8 |
| 037 | 151 | 6 | 20.8 | +- .6 | 3.1 | 14.5 | +- 1.1 | | 4.8 |
| 038 | 152 | 4.2 | 22.2 | +- .7 | 3.3 | 15.8 | +- 1.1 | | 4.9 |
| 039 | 173 | 4.9 | 20.6 | +- .6 | 3.1 | 14.3 | +- 1.1 | | 4.8 |
| 040 | 156 | 7.4 | 21.6 | +- .6 | 3.2 | 15.3 | +- 1.1 | | 4.9 |
| TRANSIT DOSE = | 5.5 | +- .9 | 4.0 | | | | | | |

MAINE YANKEE
FOR THE PERIOD 831215-840412

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

| AZIMUTH (deg.) | NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std Dev. | # IN GROUP |
|---|---|---|
| 348.75-11.25 (N) | 14.3 +- 0.0 | 1 |
| 11.25-33.75 (NNE) | 14.1 +- .3 | 3 |
| 33.75-56.25 (NE) | 13.3 +- .8 | 2 |
| 56.25-78.75 (ENE) | 15.1 +- 1.6 | 2 |
| 78.75-101.25 (E) | 14.8 +- .3 | 2 |
| 101.25-123.75(ESE) | 14.2 +- 1.2 | 3 |
| 123.75-146.25(SE) | 13.8 +- 1.5 | 2 |
| 146.25-168.75(SSE) | 15.0 +- .7 | 4 |
| 168.75-191.25(S) | 13.5 +- 1.1 | 2 |
| 191.25-213.75(SSW) | 13.4 +- .0 | 2 |
| 213.75-236.25(SW) | 13.4 +- .2 | 2 |
| 236.25-258.75(WSW) | 16.1 +- 3.7 | 3 |
| 258.75-281.25(W) | 14.7 +- .3 | 2 |
| 281.25-303.75(WNW) | 13.9 +- 1.4 | 3 |
| 303.75-326.25(NW) | 12.4 +- .6 | 2 |
| 326.25-348.75(NNW) | 15.3 +- 0.0 | 1 |
| | | |

| DISTANCE(mi) FROM THE REACTOR | NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 0-2 | 13.8 +- 1.0 | 13 |
| 2-5 | 14.3 +- 1.1 | 19 |
| >5 | 15.8 +- 3.1 | 4 |
| UPWIND CONTROL DATA | 12.5 +- .5 | 3 |

MCGUIRE
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 831213-840411 120 DAYS
FIELD TIME 90 DAYS

| NRC STATION | LOCATION AZIMUTH/DIST (deg.) | (mi.) | GROSS EXPOSURE(mR) +- Rdm;Tot. | NET EXPOSURE RATE mR/Std.Qtr. +- Rdm;Tot. |
|---|---|---|---|---|
| 001 | 97 | 0.5 | 18.7 +- .6 ; 2.8 | 12.2 +- .8 ; 3.6 |
| 002 | 323 | 1.6 | 20.0 +- .6 ; 3.0 | 13.5 +- .8 ; 3.8 |
| 003 | 336 | 1.7 | 22.6 +- .7 ; 3.4 | 16.0 +- .8 ; 4.1 |
| 004 | 303 | 2.9 | MISSING OR DAMAGED DOSIMETER | |
| 005 | 321 | 3.9 | 19.3 +- .6 ; 2.9 | 12.7 +- .8 ; 3.7 |
| 006 | 334 | 3.7 | 19.9 +- .6 ; 3.0 | 13.3 +- .8 ; 3.7 |
| 007 | 352 | 3.5 | 19.0 +- .6 ; 2.9 | 12.5 +- .8 ; 3.6 |
| 008 | 287 | 2.0 | 20.6 +- .6 ; 3.1 | 14.1 +- .8 ; 3.8 |
| 009 | 273 | 1.9 | 19.3 +- .6 ; 2.9 | 12.8 +- .8 ; 3.7 |
| 010 | 244 | 1.7 | 18.8 +- .6 ; 2.8 | 12.2 +- .8 ; 3.6 |
| 011 | 225 | 2.1 | 18.4 +- .6 ; 2.8 | 11.8 +- .7 ; 3.6 |
| 012 | 212 | 3.6 | MISSING OR DAMAGED DOSIMETER | |
| 013 | 232 | 4.4 | 26.7 +- .8 ; 4.0 | 20.1 +- .9 ; 4.6 |
| 014 | 253 | 3.7 | 22.6 +- .7 ; 3.4 | 16.1 +- .8 ; 4.1 |
| 015 | 261 | 4.2 | 18.5 +- .6 ; 2.8 | 12.0 +- .8 ; 3.6 |
| 016 | 288 | 4.3 | 25.4 +- .8 ; 3.8 | 18.8 +- .9 ; 4.4 |
| 017 | 299 | 16. | 27.1 +- .8 ; 4.1 | 20.6 >- 1.0 ; 4.7 |
| 018 | 287 | 2.0 | 25.2 +- .8 ; 3.8 | 18.7 +- .9 ; 4.4 |
| 019 | 286 | 16. | 26.1 +- .8 ; 3.9 | 19.6 +- .9 ; 4.5 |
| 020 | 333 | 17. | 26.3 +- .8 ; 3.9 | 19.7 +- .9 ; 4.5 |
| 021 | 204 | 10. | MISSING OR DAMAGED DOSIMETER | |
| 022 | 239 | 9.5 | 20.4 +- .6 ; 3.1 | 13.9 +- .8 ; 3.8 |
| 023 | 115 | 4.9 | 17.4 +- .5 ; 2.6 | 10.9 +- .7 ; 3.5 |
| 024 | 132 | 4.9 | 18.0 +- .5 ; 2.7 | 11.4 +- .7 ; 3.5 |
| 025 | 156 | 4.0 | 15.3 +- .5 ; 2.3 | 8.7 +- .7 ; 3.2 |
| 026 | 175 | 3.7 | 18.1 +- .5 ; 2.7 | 11.5 +- .7 ; 3.5 |
| 027 | 190 | 4.3 | 21.3 +- .6 ; 3.2 | 14.7 +- .8 ; 3.9 |
| 028 | 169 | 12. | 18.3 +- .5 ; 2.7 | 11.7 +- .7 ; 3.6 |
| 029 | 155 | 12. | 19.0 +- .5 ; 2.8 | 12.4 +- .8 ; 3.6 |
| 030 | 146 | 13. | 17.7 +- .5 ; 2.7 | 11.2 +- .7 ; 3.5 |
| 031 | 143 | 1.9 | 17.8 +- .5 ; 2.7 | 11.3 +- .7 ; 3.5 |
| 032 | 155 | 1.3 | 18.9 +- .6 ; 2.8 | 12.4 +- .8 ; 3.6 |
| 033 | 178 | 1.6 | 18.1 +- .5 ; 2.7 | 11.5 +- .7 ; 3.5 |
| 034 | 108 | 2.0 | MISSING OR DAMAGED DOSIMETER | |
| 035 | 93 | 2.2 | 17.5 +- .5 ; 2.6 | 11.0 +- .7 ; 3.5 |
| 036 | 68 | 2.5 | 17.8 +- .5 ; 2.7 | 11.3 +- .7 ; 3.5 |
| 037 | 82 | 4.7 | 18.9 +- .6 ; 2.8 | 12.4 +- .8 ; 3.6 |
| 038 | 64 | 4.9 | 18.8 +- .6 ; 2.8 | 12.2 +- .8 ; 3.6 |
| 039 | 42 | 5.0 | 21.6 +- .6 ; 3.2 | 15.0 +- .8 ; 4.0 |
| 040 | 25 | 4.3 | 18.8 +- .6 ; 2.8 | 12.2 +- .8 ; 3.6 |
| 041 | 42 | 2.0 | 16.8 +- .5 ; 2.5 | 10.2 +- .7 ; 3.4 |
| 042 | 21 | 1.6 | 20.3 +- .6 ; 3.0 | 13.7 +- .8 ; 3.8 |
| 043 | 8 | 2.6 | MISSING OR DAMAGED DOSIMETER | |
| 044 | 37/ | 13. | MISSING OR DAMAGED DOSIMETER | |
| 045 | 78/ | 18. | MISSING OR DAMAGED DOSIMETER | |
| 046 | 94/ | 18. | 23.0 +- .7 ; 3.5 | 16.5 +- .9 ; 4.1 |

TRANSIT DOSE = 6.5 +- .5 ; 2.3

MCGUIRE
FOR THE PERIOD 831213-840411

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

| AZIMUTH (deg.) | NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 348.75-11.25 (N) | 12.5 +- 0.0 | 1 |
| 11.25-33.75 (NNE) | 13.0 +- 1.1 | 2 |
| 33.75-56.25 (NE) | 12.6 +- 3.4 | 2 |
| 56.25-78.75 (ENE) | 11.8 +- .7 | 2 |
| 78.75-101.25 (E) | 13.0 +- 2.4 | 4 |
| 101.25-123.75(ESE) | 10.0 +- 0.0 | 1 |
| 123.75-146.25(SE) | 11.3 +- .1 | 3 |
| 146.25-168.75(SSE) | 11.2 +- 2.1 | 3 |
| 168.75-191.25(S) | 11.6 +- .1 | 3 |
| 191.25-213.75(SSW) | 14.7 +- 0.0 | 1 |
| 213.75-236.25(SW) | 17.3 +- 4.7 | 3 |
| 236.25-258.75(WSW) | 14.1 +- 1.9 | 3 |
| 258.75-281.25(W) | 12.4 +- .8 | 2 |
| 281.25-303.75(WNW) | 16.5 +- 3.4 | 2 |
| 303.75-326.25(NW) | 13.1 +- .5 | 2 |
| 326.25-348.75(NNW) | 14.7 +- 1.9 | 2 |
| | | |

| DISTANCE(mi) FROM THE REACTOR | NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 0-2 | 12.7 +- 1.6 | 11 |
| 2-5 | 13.1 +- 2.0 | 19 |
| >5 | 14.2 +- 3.3 | 6 |
| UPWIND CONTROL DATA | 19.8 +- 1.0 | 3 |

MILLSTONE
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 831215-840413 120 DAYS
FIELD TIME 92 DAYS

| NRC STATION | LOCATION AZIMUTH (deg.) | LOCATION DIST (mi.) | GROSS EXPOSURE(mR) +- Rdm; Tot. | | | NET EXPOSURE RATE mR/Std.Qtr. +- Rdm; Tot. | | |
|---|---|---|---|---|---|---|---|---|
| 001 | 0 | 1 | 22.8 | +- .7 | ; 3.4 | 11.0 | +- .8 | ; 4.6 |
| 002 | 24 | 1.3 | 19.4 | +- .6 | ; 2.9 | 7.7 | +- .7 | ; 4.2 |
| 003 | 47 | 1.5 | 22.9 | +- .7 | ; 3.4 | 11.2 | +- .8 | ; 4.6 |
| 004 | 60 | 1.7 | 21.4 | +- .6 | ; 3.2 | 9.7 | +- .8 | ; 4.4 |
| 005 | 85 | 1.3 | 22.7 | +- .7 | ; 3.4 | 11.0 | +- .8 | ; 4.6 |
| 006 | 110 | 1.8 | 21.3 | +- .6 | ; 3.2 | 9.6 | +- .8 | ; 4.4 |
| 007 | 67 | .5 | 22.6 | +- .7 | ; 3.4 | 10.9 | +- .8 | ; 4.6 |
| 008 | 49 | .3 | 22.6 | +- .7 | ; 3.4 | 10.9 | +- .8 | ; 4.6 |
| 009 | 84 | .3 | 22.1 | +- .7 | ; 3.3 | 10.4 | +- .8 | ; 4.5 |
| 011 | 332 | .5 | 21.2 | +- .6 | ; 3.2 | 9.5 | +- .8 | ; 4.4 |
| 012 | 256 | .4 | 23.6 | +- .7 | ; 3.5 | 11.8 | +- .8 | ; 4.7 |
| 013 | 274 | .2 | 23.0 | +- .7 | ; 3.4 | 11.2 | +- .8 | ; 4.6 |
| 014 | 295 | 1.9 | 22.6 | +- .7 | ; 3.4 | 10.8 | +- .8 | ; 4.6 |
| 015 | 315 | 1.5 | 19.4 | +- .6 | ; 2.9 | 7.7 | +- .7 | ; 4.2 |
| 016 | 339 | 1.3 | 23.8 | +- .7 | ; 3.6 | 12.0 | +- .8 | ; 4.7 |
| 017 | 353 | .6 | 22.0 | +- .7 | ; 3.3 | 10.2 | +- .8 | ; 4.5 |
| 018 | 24 | .6 | 22.2 | +- .7 | ; 3.3 | 10.5 | +- .8 | ; 4.5 |
| 019 | 33 | .3 | 24.4 | +- .7 | ; 3.7 | 12.6 | +- .9 | ; 4.8 |
| 020 | 82 | 4 | 23.1 | +- .7 | ; 3.5 | 11.4 | +- .8 | ; 4.6 |
| 022 | 59 | .7 | 23.4 | +- .7 | ; 3.5 | 11.6 | +- .8 | ; 4.6 |
| 028 | 287 | .8 | 23.0 | +- .7 | ; 3.4 | 11.2 | +- .8 | ; 4.6 |
| 029 | 272 | .7 | 24.0 | +- .7 | ; 3.7 | 13.2 | +- .9 | ; 4.8 |
| 030 | 295 | .5 | 23.5 | +- .7 | ; 3.5 | 11.7 | +- .9 | ; 4.7 |
| 031 | 317 | .6 | 21.7 | +- .6 | ; 3.2 | 9.9 | +- .8 | ; 4.5 |
| 032 | 327 | 4.3 | 25.1 | +- .8 | ; 3.8 | 13.3 | +- .9 | ; 4.9 |
| 033 | 41 | 4.7 | 23.1 | +- .7 | ; 3.5 | 11.4 | +- .9 | ; 4.6 |
| 034 | 54 | .8 | 23.8 | +- .7 | ; 3.6 | 12.1 | +- .9 | ; 4.7 |
| 037 | 354 | .9 | 23.3 | +- .7 | ; 3.5 | 11.5 | +- .9 | ; 4.6 |
| 039 | 1 | .7 | 22.9 | +- .7 | ; 3.4 | 11.2 | +- .8 | ; 4.6 |
| 040 | 278 | .7 | 19.8 | +- .6 | ; 3.0 | 8.1 | +- .8 | ; 4.3 |
| 041 | 34 | 11. | 29.6 | +- .9 | ; 4.4 | 17.7 | +- 1.0 | ; 5.4 |
| 042 | 84 | 8 | 23.7 | +- .7 | ; 3.4 | 10.9 | +- .8 | ; 4.6 |
| 046 | 41 | .6 | 23.5 | +- .7 | ; 3.4 | 10.7 | +- .8 | ; 4.5 |
| 048 | 4 | 40 | 26.9 | +- .8 | ; 4.0 | 15.0 | +- .9 | ; 5.0 |
| 049 | 4 | 40 | 26.3 | +- .8 | ; 3.9 | 14.5 | +- .9 | ; 5.0 |
| TRANSIT DOSE = | | | 11.5 | +- .5 | ; 3.2 | | | |

MILLSTONE
FOR THE PERIOD 831215-840413

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

| AZIMUTH (deg.) | NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 348.75-11.25 (N) | 11.0 +- .5 | 4 |
| 11.25-33.75 (NNE) | 10.3 +- 2.5 | 3 |
| 33.75-56.25 (NE) | 12.3 +- 2.7 | 6 |
| 56.25-78.75 (ENE) | 10.7 +- 1.0 | 3 |
| 78.75-101.25 (E) | 10.9 +- .4 | 4 |
| 101.25-123.75(ESE) | 9.6 +- 0.0 | 1 |
| 123.75-146.25(SE) | NO DATA+-NO DATA | 0 |
| 146.25-168.75(SSE) | NO DATA+-NO DATA | 0 |
| 168.75-191.25(S) | NO DATA+-NO DATA | 0 |
| 191.25-213.75(SSW) | NO DATA+-NO DATA | 0 |
| 213.75-236.25(SW) | 9.5 +- 0.0 | 1 |
| 236.25-258.75(WSW) | 11.5 +- .4 | 2 |
| 258.75-281.25(W) | 10.8 +- 2.6 | 3 |
| 281.25-303.75(WNW) | 11.3 +- .8 | 2 |
| 303.75-326.25(NW) | 8.8 +- 1.6 | 2 |
| 326.25-348.75(NNW) | 12.7 +- .9 | 2 |
| | | |

| DISTANCE(mi) FROM THE REACTOR | NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 0-2 | 10.1 +- 1.5 | 10 |
| 2-5 | 11.4 +- 1.2 | 13 |
| >5 | 11.5 +- 2.4 | 10 |
| UPWIND CONTROL DATA | 14.8 +- .4 | 2 |

MONTICELLO
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 831212-840412 122 DAYS
FIELD TIME 92 DAYS

| NRC STATION | LOCATION AZIMUTH (deg.) | LOCATION DIST (mi.) | GROSS EXPOSURE(mR) +- Rdm; Tot. | | | NET EXPOSURE RATE mR/Std.Qtr. +- Rdm; Tot. | | | |
|---|---|---|---|---|---|---|---|---|---|
| 001 | 133 | 3.6 | 18.9 | .6 | 2.8 | 14.0 | .7 | | 3.4 |
| 002 | 163 | 4.5 | 20.6 | .6 | 3.1 | 15.6 | .8 | | .6 |
| 003 | 183 | 4.1 | 20.0 | .6 | 3.0 | 15.1 | .7 | | .5 |
| 004 | 206 | 4.3 | 20.0 | .6 | 3.0 | 15.1 | .7 | | .5 |
| 005 | 230 | 4.2 | 19.6 | .6 | 2.9 | 14.7 | .7 | | .5 |
| 006 | 253 | 4.6 | 20.6 | .6 | 3.1 | 15.6 | .8 | | .6 |
| 007 | 269 | 4.4 | 19.1 | .6 | 2.9 | 14.2 | .7 | | .4 |
| 008 | 286 | 4.0 | 19.2 | .6 | 2.9 | 14.3 | .7 | | .4 |
| 009 | 274 | 1.9 | 19.5 | .6 | 2.9 | 14.6 | .7 | | .5 |
| 010 | 244 | 1.3 | 17.9 | .5 | 2.7 | 13.0 | .7 | | .3 |
| 011 | 226 | 0.9 | 18.4 | .6 | 2.8 | 13.5 | .7 | | .4 |
| 012 | 181 | 1.8 | 19.0 | .6 | 2.8 | 14.1 | .7 | | .4 |
| 013 | 137 | 1.7 | 18.9 | .6 | 2.8 | 14.0 | .7 | | .4 |
| 014 | 155 | 1.0 | 19.1 | .6 | 2.9 | 14.2 | .7 | | .4 |
| 015 | 208 | 0.5 | 18.5 | .6 | 2.8 | 13.6 | .7 | | .4 |
| 016 | 284 | 2.0 | 18.8 | .6 | 2.8 | 13.9 | .7 | | .4 |
| 017 | 113 | 1.6 | 18.4 | .6 | 2.8 | 13.5 | .7 | | .4 |
| 018 | 85 | 1.1 | 18.4 | .6 | 2.8 | 13.5 | .7 | | .3 |
| 019 | 63 | 1.2 | 18.6 | .6 | 2.8 | 13.7 | .7 | | .4 |
| 020 | 37 | 1.7 | 19.4 | .6 | 2.9 | 14.5 | .7 | | .5 |
| 021 | 63 | 0.8 | 18.6 | .6 | 2.8 | 13.7 | .7 | | .4 |
| 022 | 354 | 0.7 | 18.6 | .6 | 2.8 | 13.7 | .7 | | .4 |
| 023 | 338 | 0.8 | 17.8 | .6 | 2.7 | 13.0 | .7 | | .4 |
| 024 | 307 | 1.8 | 17.9 | .6 | 2.7 | 13.0 | .7 | | .3 |
| 025 | 339 | 4.1 | 18.7 | .6 | 2.8 | 13.8 | .7 | | .4 |
| 026 | 320 | 4.6 | 19.3 | .6 | 2.9 | 14.4 | .7 | | .5 |
| 027 | 354 | 4.5 | 18.8 | .6 | 2.8 | 13.9 | .7 | | .4 |
| 028 | 17 | 3.7 | 17.4 | .6 | 2.6 | 12.6 | .7 | | .2 |
| 029 | 50 | 4.0 | 17.6 | .6 | 2.6 | 12.7 | .7 | | .3 |
| 030 | 77 | 3.5 | 18.9 | .6 | 2.8 | 14.0 | .7 | | .4 |
| 031 | 115 | 3.3 | 22.3 | .7 | 3.3 | 17.3 | .8 | | .8 |
| 032 | 90 | 4.6 | MISSING OR DAMAGED DOSIMETER | | | | | | |
| 033 | 343 | 15. | 19.7 | .6 | 3.0 | 14.8 | .7 | | .5 |
| 034 | 323 | 15. | 18.2 | .5 | 2.7 | 13.3 | .7 | | .3 |
| 035 | 323 | 15. | 19.1 | .6 | 2.9 | 14.2 | .7 | | .4 |
| TRANSIT DOSE = | 4.6 | +- .5 | 2.0 | | | | | | |

MONTICELLO
FOR THE PERIOD 831212-840412

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

| AZIMUTH (deg.) | NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 348.75-11.25 (N) | 13.8 +- .2 | 2 |
| 11.25-33.75 (NNE) | 13.1 +- .8 | 2 |
| 33.75-56.25 (NE) | 13.6 +- 1.3 | 2 |
| 56.25-78.75 (ENE) | 13.9 +- .2 | 2 |
| 78.75-101.25 (E) | 13.5 +- 0.0 | 1 |
| 101.25-123.75(ESE) | 15.4 +- 2.7 | 2 |
| 123.75-146.25(SE) | 14.0 +- .0 | 2 |
| 146.25-168.75(SSE) | 14.9 +- 1.0 | 2 |
| 168.75-191.25(S) | 14.6 +- .7 | 2 |
| 191.25-213.75(SSW) | 14.4 +- 1.0 | 2 |
| 213.75-236.25(SW) | 14.1 +- .8 | 2 |
| 236.25-258.75(WSW) | 14.3 +- 1.9 | 2 |
| 258.75-281.25(W) | 14.4 +- .2 | 2 |
| 281.25-303.75(WNW) | 14.1 +- .2 | 2 |
| 303.75-326.25(NW) | 13.7 +- 1.0 | 2 |
| 326.25-348.75(NNW) | 13.4 +- .8 | 2 |
| | | |

| DISTANCE(mi) FROM THE REACTOR | NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 0-2 | 13.7 +- .5 | 16 |
| 2-5 | 14.5 +- 1.2 | 15 |
| >5 | NO DATA+-NO DATA | 0 |
| UPWIND CONTROL DATA | 14.1 +- .8 | 3 |

NORTH ANNA
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 831214-840411 119 DAYS
FIELD TIME 84 DAYS

| NRC STATION | LOCATION AZIMUTH (deg.) | LOCATION DIST (mi.) | GROSS EXPOSURE(mR) +- Rdm;Tot. | NET EXPOSURE RATE mR/Std.Qtr. +- Rdm;Tot. |
|---|---|---|---|---|
| 001 | 243 | 1.8 | 24.3 +- .7 ; 3.6 | 19.7 +- .9 ; 4.6 |
| 002 | 253 | 1.6 | 20.9 +- .6 ; 3.1 | 16.1 +- .9 ; 4.1 |
| 003 | 296 | 1 | 21.6 +- .6 ; 3.2 | 16.8 +- .9 ; 4.2 |
| 004 | 311 | 1. | 28.1 +- .8 ; 4.2 | 23.6 +- 1.0 ; 4.7 |
| 005 | 329 | 1. | 24.3 +- .7 ; 3.6 | 19.7 +- 1.0 ; 4.6 |
| 006 | 231 | 3. | 24.2 +- .7 ; 3.6 | 19.6 +- .9 ; 4.6 |
| 007 | 224 | 1. | 23.3 +- .7 ; 3.5 | 18.6 +- .9 ; 4.4 |
| 008 | 210 | 1.6 | 22.2 +- .7 ; 3.3 | 17.5 +- .9 ; 4.3 |
| 009 | 181 | 1.4 | 20.3 +- .6 ; 3.0 | 15.5 +- .9 ; 4.0 |
| 010 | 155 | 1. | 28.4 +- .9 ; 4.2 | 24.1 +- 1.1 ; 5.1 |
| 011 | 135 | 1.6 | 21.6 +- .6 ; 3.2 | 16.9 +- .9 ; 4.2 |
| 012 | 163 | 3.8 | 22.6 +- .7 ; 3.4 | 17.9 +- .9 ; 4.3 |
| 013 | 190 | 3. | 21.1 +- .6 ; 3.1 | 16.3 +- .9 ; 4.1 |
| 014 | 205 | 4. | 20.9 +- .6 ; 3.1 | 16.1 +- .9 ; 4.1 |
| 015 | 140 | 4. | 22.4 +- .7 ; 3.3 | 17.7 +- .9 ; 4.3 |
| 016 | 113 | 4. | 24.5 +- .7 ; 3.7 | 20.0 +- 1.0 ; 4.8 |
| 017 | 93 | 3. | 20.5 +- .6 ; 3.1 | 15.9 +- .9 ; 4.1 |
| 018 | 64 | 4.1 | 19.9 +- .6 ; 3.0 | 15.3 +- .9 ; 4.0 |
| 019 | 78 | 2.7 | 28.7 +- .9 ; 4.3 | 24.4 +- 1.1 ; 5.2 |
| 020 | 97 | 1.9 | 23.7 +- .7 ; 3.6 | 19.1 +- .9 ; 4.5 |
| 021 | 105 | 1.7 | 20.3 +- .6 ; 3.0 | 15.5 +- .9 ; 4.0 |
| 022 | 60 | 2.4 | 21.4 +- .6 ; 3.2 | 16.6 +- .9 ; 4.2 |
| 023 | 37 | 1.4 | 23.0 +- .7 ; 3.4 | 18.3 +- .9 ; 4.4 |
| 024 | 15 | 1.6 | 28.9 +- .9 ; 4.3 | 21.5 +- 1.0 ; 4.8 |
| 025 | 48 | 3.8 | 19.1 +- .6 ; 2.9 | 14.1 +- .9 ; 3.9 |
| 026 | 17 | 3.7 | 23.0 +- .7 ; 3.4 | 18.4 +- .9 ; 4.4 |
| 027 | 3 | 4.9 | 20.7 +- .6 ; 3.1 | 15.9 +- .9 ; 4.1 |
| 028 | 348 | 4. | 21.5 +- .6 ; 3.2 | 16.7 +- .9 ; 4.2 |
| 029 | 2 | 1.9 | 21.0 +- .6 ; 3.1 | 16.2 +- .9 ; 4.1 |
| 030 | 284 | 5. | 21.2 +- .6 ; 3.2 | 16.4 +- .9 ; 4.1 |
| 031 | 310 | 4.7 | 23.0 +- .7 ; 3.4 | 18.4 +- .9 ; 4.4 |
| 032 | 273 | 4.9 | 17.1 +- .5 ; 2.6 | 13.0 +- .9 ; 3.3 |
| 033 | 287 | 5.1 | 21.4 +- .6 ; 3.2 | 16.6 +- .9 ; 4.3 |
| 034 | 342 | 7.1 | 24.5 +- .7 ; 3.7 | 20.0 +- 1.0 ; 4.8 |
| 035 | 255 | 11. | 22.0 +- .7 ; 3.3 | 17.3 +- .9 ; 4.3 |
| 036 | 240 | 15. | 21.6 +- .6 ; 3.2 | 16.8 +- .9 ; 4.2 |
| 037 | 247 | 17. | 21.3 +- .6 ; 3.2 | 16.5 +- .9 ; 4.2 |
| 038 | 244 | 19. | 21.3 +- .6 ; 3.2 | 16.5 +- .9 ; 4.2 |
| TRANSIT DOSE = | 5.9 | +- .5 | ; 2.2 | |

NORTH ANNA
FOR THE PERIOD 831214-840411

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

| AZIMUTH (deg.) | NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 348.75-11.25 (N) | 16.1 +- .2 | 2 |
| 11.25-33.75 (NNE) | 19.9 +- 2.2 | 2 |
| 33.75-56.25 (NE) | 18.2 +- 3.0 | 2 |
| 56.25-78.75 (ENE) | 18.7 +- 5.0 | 3 |
| 78.75-101.25 (E) | 17.4 +- 2.5 | 2 |
| 101.25-123.75(ESE) | 17.7 +- 3.2 | 2 |
| 123.75-146.25(SE) | 17.3 +- .6 | 2 |
| 146.25-168.75(SSE) | 21.0 +- 4.4 | 2 |
| 168.75-191.25(S) | 15.9 +- .6 | 2 |
| 191.25-213.75(SSW) | 16.0 +- 1.0 | 2 |
| 213.75-236.25(SW) | 19.1 +- .7 | 2 |
| 236.25-258.75(WSW) | 18.4 +- 1.7 | 4 |
| 258.75-281.25(W) | 14.1 +- 2.9 | 2 |
| 281.25-303.75(WNW) | 16.6 +- .3 | 2 |
| 303.75-326.25(NW) | 19.5 +- 1.6 | 2 |
| 326.25-348.75(NNW) | 18.2 +- 2.1 | 2 |
| | | |

| DISTANCE(mi) FROM THE REACTOR | NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 0-2 | 18.4 +- 2.4 | 15 |
| 2-5 | 17.1 +- 2.7 | 17 |
| >5 | 17.9 +- 1.8 | 3 |
| UPWIND CONTROL DATA | 16.6 +- .2 | 3 |

OCONEE
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 831214-840504 142 DAYS
FIELD TIME 84 DAYS

| NRC STATION | LOCATION AZIMUTH/DIST (deg.) | (mi.) | GROSS EXPOSURE(mR) +- Rdm; Tot. | NET EXPOSURE RATE mR/Std.Qtr. +- Rdm; Tot. |
|---|---|---|---|---|
| 001 | 158 | 7.5 | 27.5 +- .8 ; 4.1 | 24.4 +- 1.0 ; 5.0 |
| 002 | 133 | 4.9 | 27.4 +- .8 ; 4.1 | 24.3 +- 1.0 ; 4.9 |
| 003 | 119 | 4.3 | 25.4 +- .8 ; 3.8 | 22.2 +- 1.0 ; 4.7 |
| 004 | 84 | 4.7 | 27.6 +- .8 ; 4.1 | 24.5 +- 1.0 ; 5.0 |
| 005 | 65 | 4.0 | 25.8 +- .8 ; 3.9 | 22.6 +- 1.0 ; 4.7 |
| 006 | 52 | 1.8 | 27.7 +- .8 ; 4.2 | 24.7 +- 1.0 ; 5.0 |
| 007 | 22 | 3.5 | 27.4 +- .8 ; 4.1 | 24.3 +- 1.0 ; 4.9 |
| 008 | 33 | 1.4 | 25.6 +- .8 ; 3.8 | 22.4 +- 1.0 ; 4.7 |
| 009 | 52 | 1.8 | 22.7 +- .7 ; 3.4 | 19.2 +- .9 ; 4.3 |
| 010 | 66 | 1.2 | 19.0 +- .6 ; 2.9 | 15.3 +- .8 ; 3.8 |
| 011 | 107 | 1.9 | 21.7 +- .6 ; 3.2 | 18.2 +- .8 ; 4.1 |
| 012 | 87 | 1.0 | 26.8 +- .8 ; 4.0 | 23.6 +- 1.0 ; 4.9 |
| 013 | 142 | 0.7 | 25.6 +- .8 ; 3.8 | 22.4 +- 1.0 ; 4.7 |
| 014 | 166 | 0.7 | MISSING OR DAMAGED DOSIMETER | |
| 015 | 226 | 1.7 | 23.7 +- .7 ; 3.5 | 20.3 +- .9 ; 4.4 |
| 016 | 207 | 1.4 | 24.9 +- .7 ; 3.7 | 21.7 +- .9 ; 4.6 |
| 017 | 182 | 2.2 | 21.9 +- .7 ; 3.3 | 18.4 +- .9 ; 4.2 |
| 018 | 186 | 3.8 | 22.7 +- .7 ; 3.4 | 19.2 +- .9 ; 4.3 |
| 019 | 155 | 4.1 | 24.9 +- .7 ; 3.7 | 21.7 +- .9 ; 4.6 |
| 020 | 203 | 8.4 | 19.8 +- .6 ; 3.0 | 16.1 +- .8 ; 3.9 |
| 021 | 210 | 4.6 | 22.7 +- .7 ; 3.4 | 19.2 +- .9 ; 4.3 |
| 022 | 227 | 4.8 | 23.1 +- .7 ; 3.5 | 19.7 +- .9 ; 4.3 |
| 023 | 240 | 3.6 | 23.7 +- .7 ; 3.6 | 20.4 +- .9 ; 4.4 |
| 024 | 268 | 3.6 | 26.6 +- .8 ; 4.0 | 23.4 +- 1.0 ; 4.8 |
| 025 | 257 | 1.9 | 21.4 +- .6 ; 3.2 | 17.9 +- .8 ; 4.1 |
| 026 | 293 | 3.5 | 23.6 +- .7 ; 3.5 | 20.3 +- .9 ; 4.4 |
| 027 | 311 | 3.5 | 20.1 +- .6 ; 3.0 | 16.5 +- .8 ; 3.9 |
| 028 | 288 | 2.9 | 20.7 +- .6 ; 3.1 | 17.2 +- .8 ; 4.0 |
| 029 | 275 | 1.8 | 22.0 +- .7 ; 3.3 | 18.6 +- .9 ; 4.2 |
| 030 | 321 | 1.8 | 22.7 +- .7 ; 3.4 | 19.2 +- .9 ; 4.3 |
| 031 | 344 | 2.0 | 22.1 +- .7 ; 3.3 | 18.6 +- .9 ; 4.2 |
| 032 | 336 | 3.7 | 28.7 +- .9 ; 4.3 | 25.7 +- 1.0 ; 5.1 |
| 033 | 358 | 4.5 | MISSING OR DAMAGED DOSIMETER | |
| 034 | 256 | 9.4 | 29.6 +- .9 ; 4.4 | 26.7 +- 1.1 ; 5.3 |
| 035 | 149 | 21. | 25.7 +- .8 ; 3.9 | 22.5 +- 1.0 ; 4.7 |
| 036 | 126 | 8.2 | 27.2 +- .8 ; 4.1 | 24.1 +- 1.0 ; 4.9 |
| 037 | 96 | 9.7 | 26.7 +- .8 ; 4.0 | 23.6 +- 1.0 ; 4.8 |
| 038 | 32/ | 15. | 32.7 +- 1.0 ; 4.9 | 30.0 +- 1.2 ; 5.7 |
| 039 | 31/ | 15. | 27.3 +- .8 ; 4.1 | 24.2 +- 1.0 ; 4.9 |
| 040 | 29/ | 15. | 30.9 +- .9 ; 4.6 | 28.0 +- 1.1 ; 5.4 |

TRANSIT DOSE = 4.7 +- .5 ; 2.1

OCONEE
FOR THE PERIOD 831214-840504

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

| AZIMUTH (deg.) | NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 348.75-11.25 (N) | NO DATA+-NO DATA | 0 |
| 11.25-33.75 (NNE) | 23.3 +- 1.4 | 2 |
| 33.75-56.25 (NE) | 22.0 +- 3.8 | 2 |
| 56.25-78.75 (ENE) | 19.0 +- 5.2 | 2 |
| 78.75-101.25 (E) | 23.9 +- .5 | 3 |
| 101.25-123.75(ESE) | 20.2 +- 2.8 | 2 |
| 123.75-146.25(SE) | 23.6 +- 1.1 | 3 |
| 146.25-168.75(SSE) | 22.9 +- 1.4 | 3 |
| 168.75-191.25(S) | 18.8 +- .6 | 2 |
| 191.25-213.75(SSW) | 19.0 +- 2.8 | 3 |
| 213.75-236.25(SW) | 20.0 +- .4 | 2 |
| 236.25-258.75(WSW) | 21.7 +- 4.5 | 3 |
| 258.75-281.25(W) | 21.0 +- 3.4 | 2 |
| 281.25-303.75(WNW) | 18.7 +- 2.2 | 2 |
| 303.75-326.25(NW) | 17.9 +- 1.9 | 2 |
| 326.25-348.75(NNW) | 22.1 +- 5.0 | 2 |
| | | |

| DISTANCE(mi) FROM THE REACTOR | NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 0-2 | 19.9 +- 2.7 | 14 |
| 2-5 | 21.5 +- 2.6 | 15 |
| >5 | 22.9 +- 3.6 | 6 |
| UPWIND CONTROL DATA | 27.4 +- 2.9 | 3 |

OYSTER CREEK
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 841214-840412 120 DAYS
FIELD TIME 95 DAYS

| NRC STATION | LOCATION AZIMUTH (deg.) | DIST (mi.) | GROSS EXPOSURE(mR) +- Rdm;Tot. | NET EXPOSURE RATE mR/Std.Qtr. +- Rdm;Tot. |
|---|---|---|---|---|
| 001 | 141 | .5 | 14.5 +- .4 ; 2.2 | 10.6 +- .6 ; 2.7 |
| 002 | 120 | .9 | MISSING OR DAMAGED DOSIMETER | |
| 003 | 105 | 1.5 | MISSING OR DAMAGED DOSIMETER | |
| 004 | 127 | 1.5 | 14.8 +- .4 ; 2.2 | 10.9 +- .6 ; 2.8 |
| 005 | 137 | 1.3 | 14.3 +- .4 ; 2.1 | 10.4 +- .6 ; 2.7 |
| 006 | 158 | 1.2 | 14.9 +- .4 ; 2.2 | 11.0 +- .6 ; 2.8 |
| 007 | 176 | 2.2 | 15.5 +- .5 ; 2.3 | 11.5 +- .6 ; 2.9 |
| 008 | 179 | 1.6 | 14.8 +- .4 ; 2.2 | 10.9 +- .6 ; 2.8 |
| 009 | 159 | 2.8 | 13.6 +- .4 ; 2.0 | 9.7 +- .6 ; 2.6 |
| 010 | 187 | 8.4 | 13.9 +- .4 ; 2.1 | 10.1 +- .6 ; 2.7 |
| 011 | 173 | 4.4 | 15.4 +- .5 ; 2.3 | 11.4 +- .6 ; 2.8 |
| 012 | 196 | 4.2 | MISSING OR DAMAGED DOSIMETER | |
| 013 | 198 | 8.6 | 13.8 +- .4 ; 2.1 | 10.0 +- .6 ; 2.7 |
| 014 | 185 | 10. | MISSING OR DAMAGED DOSIMETER | |
| 015 | 171 | 10. | 14.8 +- .4 ; 2.2 | 10.9 +- .6 ; 2.8 |
| 016 | 154 | 8.2 | 13.9 +- .4 ; 2.1 | 10.1 +- .6 ; 2.7 |
| 017 | 126 | 6.3 | MISSING OR DAMAGED DOSIMETER | |
| 018 | 220 | 4.6 | 13.9 +- .4 ; 2.1 | 10.1 +- .6 ; 2.7 |
| 019 | 231 | 5.3 | 14.1 +- .4 ; 2.1 | 10.2 +- .6 ; 2.7 |
| 020 | 211 | 1.6 | 13.3 +- .4 ; 2.0 | 9.5 +- .6 ; 2.6 |
| 022 | 258 | 1.5 | 13.6 +- .4 ; 2.0 | 9.7 +- .6 ; 2.6 |
| 023 | 271 | 1.2 | 14.7 +- .4 ; 2.2 | 10.8 +- .6 ; 2.8 |
| 024 | 297 | 1.3 | 15.3 +- .5 ; 2.3 | 11.4 +- .6 ; 2.8 |
| 025 | 318 | 1.5 | 15.0 +- .5 ; 2.3 | 11.1 +- .6 ; 2.8 |
| 026 | 341 | 3.2 | MISSING OR DAMAGED DOSIMETER | |
| 027 | 330 | 4.6 | 15.6 +- .5 ; 2.3 | 11.6 +- .6 ; 2.9 |
| 028 | 358 | 3.2 | 14.5 +- .4 ; 2.2 | 10.6 +- .6 ; 2.7 |
| 029 | 4 | 1.8 | 14.4 +- .4 ; 2.2 | 10.5 +- .6 ; 2.7 |
| 030 | 19 | .8 | MISSING OR DAMAGED DOSIMETER | |
| 031 | 59 | 1.4 | 14.2 +- .4 ; 2.1 | 10.3 +- .6 ; 2.7 |
| 032 | 78 | 2.5 | MISSING OR DAMAGED DOSIMETER | |
| 033 | 85 | 2.2 | 13.3 +- .4 ; 2.0 | 9.5 +- .6 ; 2.6 |
| 034 | 38 | 1.7 | 14.3 +- .4 ; 2.1 | 10.4 +- .6 ; 2.7 |
| 035 | 24 | 1.9 | 15.7 +- .5 ; 2.4 | 11.8 +- .6 ; 2.9 |
| 036 | 50 | 3 | MISSING OR DAMAGED DOSIMETER | |
| 037 | 46 | 4.8 | MISSING OR DAMAGED DOSIMETER | |
| 038 | 27 | 4 | 14.8 +- .4 ; 2.2 | 10.9 +- .6 ; 2.8 |
| 039 | 12 | 8.9 | 14.6 +- .4 ; 2.2 | 10.7 +- .6 ; 2.8 |
| 040 | 10 | 8.7 | 14.7 +- .4 ; 2.2 | 10.8 +- .6 ; 2.8 |
| 041 | 3 | 9.9 | 14.6 +- .4 ; 2.2 | 10.7 +- .6 ; 2.8 |
| 042 | 38 | 10. | MISSING OR DAMAGED DOSIMETER | |
| 043 | 46 | 9.1 | 17.2 +- .5 ; 2.6 | 13.2 +- .6 ; 3.0 |
| 044 | 73 | 6.5 | 13.9 +- .4 ; 2.1 | 10.1 +- .6 ; 2.7 |
| 045 | 79 | 6 | 14.7 +- .4 ; 2.2 | 10.8 +- .6 ; 2.8 |
| 046 | 278 | 20. | 15.3 +- .5 ; 2.3 | 11.4 +- .6 ; 2.8 |
| 047 | 278 | 20. | 15.5 +- .5 ; 2.3 | 11.6 +- .6 ; 2.9 |
| TRANSIT DOSE = | | | 3.3 +- .4 ; 1.9 | |

OYSTER CREEK
FOR THE PERIOD 841214-840412

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

| AZIMUTH (deg.) | NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 348.75-11.25 (N) | 10.7 +- .1 | 4 |
| 11.25-33.75 (NNE) | 11.1 +- .6 | 3 |
| 33.75-56.25 (NE) | 11.8 +- 1.9 | 2 |
| 56.25-78.75 (ENE) | 10.2 +- .2 | 2 |
| 78.75-101.25 (E) | 10.1 +- .9 | 2 |
| 101.25-123.75(ESE) | NO DATA+-NO DATA | 0 |
| 123.75-146.25(SE) | 10.6 +- .2 | 3 |
| 146.25-168.75(SSE) | 10.2 +- .6 | 3 |
| 168.75-191.25(S) | 11.0 +- .6 | 5 |
| 191.25-213.75(SSW) | 9.7 +- .3 | 2 |
| 213.75-236.25(SW) | 10.1 +- .1 | 2 |
| 236.25-258.75(WSW) | 9.7 +- 0.0 | 1 |
| 258.75-281.25(W) | 10.8 +- 0.0 | 1 |
| 281.25-303.75(WNW) | 11.4 +- 0.0 | 1 |
| 303.75-326.25(NW) | 11.1 +- 0.0 | 1 |
| 326.25-348.75(NNW) | 11.6 +- 0.0 | 1 |
| | | |

| DISTANCE(mi) FROM THE REACTOR | NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 0-2 | 10.7 +- .6 | 14 |
| 2-5 | 10.7 +- .8 | 8 |
| >5 | 10.7 +- .9 | 11 |
| UPWIND CONTROL DATA | 11.5 +- .1 | 2 |

PALISADES
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 831212-840420 130 DAYS
FIELD TIME 93 DAYS

| NRC STATION | LOCATION AZIMUTH (deg.) | DIST (mi.) | GROSS EXPOSURE(mR) +- Rdm;Tot. | NET EXPOSURE RATE mR/Std.Qtr. +- Rdm;Tot. |
|---|---|---|---|---|
| 001 | 195 | 4.9 | MISSING OR DAMAGED DOSIMETER | |
| 002 | 173 | 4.6 | 18.2 +- .5 ; 2.7 | NO NET DATA |
| 003 | 156 | 3.9 | 19.0 +- .6 ; 2.9 | NO NET DATA |
| 004 | 132 | 4.6 | 18.6 +- .6 ; 2.8 | NO NET DATA |
| 005 | 118 | 3.3 | 19.3 +- .6 ; 2.9 | NO NET DATA |
| 006 | 152 | 1.8 | 18.1 +- .5 ; 2.7 | NO NET DATA |
| 007 | 196 | 2.2 | 17.8 +- .5 ; 2.7 | NO NET DATA |
| 008 | 178 | 1.6 | 18.7 +- .6 ; 2.8 | NO NET DATA |
| 009 | 200 | 0.9 | 18.1 +- .5 ; 2.7 | NO NET DATA |
| 010 | 124 | 1.8 | 18.5 +- .6 ; 2.8 | NO NET DATA |
| 011 | 107 | 1.6 | 19.8 +- .6 ; 3.0 | NO NET DATA |
| 012 | 90 | 1.5 | 18.7 +- .6 ; 2.8 | NO NET DATA |
| 013 | 65 | 1.7 | 18.9 +- .6 ; 2.8 | NO NET DATA |
| 014 | 51 | 1.9 | 19.0 +- .6 ; 2.8 | NO NET DATA |
| 015 | 74 | 3.7 | MISSING OR DAMAGED DOSIMETER | |
| 016 | 90 | 3.6 | 18.4 +- .6 ; 2.8 | NO NET DATA |
| 017 | 98/ | 10. | 19.3 +- .6 ; 2.9 | NO NET DATA |
| 018 | 47 | 4.5 | 21.0 +- .6 ; 3.1 | NO NET DATA |
| 019 | 23 | 1.5 | 18.8 +- .6 ; 2.8 | NO NET DATA |
| 020 | 32 | 4.8 | MISSING OR DAMAGED DOSIMETER | |
| 021 | 29 | 7.0 | 19.8 +- .6 ; 3.0 | NO NET DATA |
| 022 | 99/ | 15. | 19.8 +- .6 ; 3.0 | NO NET DATA |
| 023 | 98/ | 18. | 19.4 +- .6 ; 2.9 | NO NET DATA |
| 024 | 98/ | 18. | 19.8 +- .6 ; 3.0 | NO NET DATA |

NO TRANSIT DOSE CALCULATED (TLD CONTROLS MISSING OR OTHERWISE NOT COMPLETE)

PALISADES
FOR THE PERIOD 831212-840420

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

| AZIMUTH (deg.) | AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 348.75-11.25 (N) | NO DATA+-NO DATA | 0 |
| 11.25-33.75 (NNE) | 13.4 +- .5 | 2 |
| 33.75-56.25 (NE) | 13.8 +- 1.0 | 2 |
| 56.25-78.75 (ENE) | 13.1 +- 0.0 | 1 |
| 78.75-101.25 (E) | 13.0 +- .3 | 3 |
| 101.25-123.75(ESE) | 13.5 +- .2 | 2 |
| 123.75-146.25(SE) | 12.8 +- .0 | 2 |
| 146.25-168.75(SSE) | 12.8 +- .5 | 2 |
| 168.75-191.25(S) | 12.8 +- .2 | 2 |
| 191.25-213.75(SSW) | 12.4 +- .1 | 2 |
| 213.75-236.25(SW) | NO DATA+-NO DATA | 0 |
| 236.25-258.75(WSW) | NO DATA+-NO DATA | 0 |
| 258.75-281.25(W) | NO DATA+-NO DATA | 0 |
| 281.25-303.75(WNW) | NO DATA+-NO DATA | 0 |
| 303.75-326.25(NW) | NO DATA+-NO DATA | 0 |
| 326.25-348.75(NNW) | NO DATA+-NO DATA | 0 |
| | | |

| DISTANCE(mi) FROM THE REACTOR | AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 0-2 | 13.0 +- .3 | 9 |
| 2-5 | 13.1 +- .7 | 7 |
| >5 | 13.5 +- .3 | 2 |
| UPWIND CONTROL DATA | 13.6 +- .2 | 3 |

PALO VERDE
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 831208-840411 125 DAYS
FIELD TIME 93 DAYS

| NRC STATION | LOCATION AZIMUTH (deg.) | LOCATION DIST (mi.) | GROSS EXPOSURE(mR) +- Rdm | GROSS EXPOSURE(mR) ; Tot. | NET EXPOSURE RATE mR/Std.Qtr. +- Rdm | NET EXPOSURE RATE mR/Std.Qtr. ; Tot. |
|---|---|---|---|---|---|---|
| 001 | 74 | 23. | 25.5 +- .8 | ; 3.8 | 22.4 +- .9 | ; 4.2 |
| 002 | 92 | 21. | 25.3 +- .8 | ; 3.8 | 22.2 +- .8 | ; 4.1 |
| 003 | 89 | 15. | 23.8 +- .7 | ; 3.6 | 20.8 +- .8 | ; 3.9 |
| 004 | 103 | 11. | 24.4 +- .7 | ; 3.7 | 21.4 +- .8 | ; 4.0 |
| 005 | 140 | 7.4 | 27.0 +- .8 | ; 4.0 | 23.9 +- .9 | ; 4.4 |
| 006 | 142 | 3.1 | 25.5 +- .8 | ; 3.8 | 22.4 +- .9 | ; 4.2 |
| 007 | 162 | 2.6 | 26.5 +- .8 | ; 4.0 | 23.4 +- .9 | ; 4.3 |
| 008 | 168 | 2.6 | 25.0 +- .8 | ; 3.8 | 22.0 +- .8 | ; 4.1 |
| 009 | 193 | 2.6 | 26.7 +- .8 | ; 4.0 | 23.6 +- .9 | ; 4.3 |
| 010 | 215 | 3.1 | 27.0 +- .8 | ; 4.1 | 23.9 +- .9 | ; 4.4 |
| 011 | 200 | 1.7 | 26.3 +- .8 | ; 3.9 | 23.2 +- .9 | ; 4.3 |
| 012 | 214 | 1.0 | 25.3 +- .8 | ; 3.8 | 22.2 +- .8 | ; 4.1 |
| 013 | 242 | 0.7 | 27.7 +- .8 | ; 4.1 | 24.6 +- .9 | ; 4.4 |
| 014 | 263 | 0.6 | 26.7 +- .8 | ; 4.0 | 23.6 +- .9 | ; 4.3 |
| 015 | 295 | 0.6 | 25.6 +- .8 | ; 3.8 | 22.5 +- .9 | ; 4.2 |
| 016 | 325 | 1.0 | 26.4 +- .8 | ; 4.0 | 23.3 +- .9 | ; 4.3 |
| 017 | 347 | 1.8 | 27.2 +- .8 | ; 4.1 | 24.1 +- .9 | ; 4.4 |
| 018 | 0 | 2.4 | 27.3 +- .8 | ; 4.1 | 24.2 +- .9 | ; 4.4 |
| 019 | 18 | 1.5 | 24.9 +- .7 | ; 3.7 | 21.8 +- .8 | ; 4.1 |
| 020 | 37 | 2.0 | 25.5 +- .8 | ; 3.8 | 22.4 +- .9 | ; 4.2 |
| 021 | 58 | 2.3 | 27.5 +- .8 | ; 4.1 | 24.4 +- .9 | ; 4.4 |
| 022 | 75 | 2.8 | 27.0 +- .8 | ; 4.0 | 23.9 +- .9 | ; 4.4 |
| 023 | 93 | 4.4 | 25.1 +- .8 | ; 3.8 | 22.0 +- .8 | ; 4.1 |
| 024 | 101 | 3.3 | 25.7 +- .8 | ; 3.9 | 22.7 +- .9 | ; 4.2 |
| 025 | 346 | 2.9 | 25.5 +- .8 | ; 3.8 | 22.4 +- .9 | ; 4.2 |
| 026 | 334 | 4.3 | 28.5 +- .9 | ; 4.3 | 25.4 +- .9 | ; 4.6 |
| 027 | 333 | 7.9 | 28.5 +- .9 | ; 4.3 | 25.3 +- .9 | ; 4.6 |
| 028 | 0 | 7.0 | 27.7 +- .8 | ; 4.2 | 24.6 +- .9 | ; 4.5 |
| 029 | 9 | 4.2 | 27.4 +- .8 | ; 4.1 | 24.3 +- .9 | ; 4.4 |
| 030 | 27 | 3.6 | 26.9 +- .8 | ; 4.0 | 23.8 +- .9 | ; 4.3 |
| 031 | 49 | 3.5 | 27.8 +- .8 | ; 4.2 | 24.6 +- .9 | ; 4.5 |
| 032 | 120 | 3.3 | 29.0 +- .9 | ; 4.3 | 25.8 +- .9 | ; 4.6 |

TRANSIT DOSE = 2.3 +- .4 ; 2.0

PALO VERDE
FOR THE PERIOD 831208-840411

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

| AZIMUTH (deg.) | NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 348.75-11.25 (N) | 24.4 +- .2 | 3 |
| 11.25-33.75 (NNE) | 22.8 +- 1.4 | 2 |
| 33.75-56.25 (NE) | 23.5 +- 1.6 | 2 |
| 56.25-78.75 (ENE) | 24.1 +- .3 | 2 |
| 78.75-101.25 (E) | 22.3 +- .4 | 2 |
| 101.25-123.75(ESE) | 23.6 +- 3.1 | 2 |
| 123.75-146.25(SE) | 23.1 +- 1.0 | 2 |
| 146.25-168.75(SSE) | 22.7 +- 1.0 | 2 |
| 168.75-191.25(S) | NO DATA+-NO DATA | 0 |
| 191.25-213.75(SSW) | 23.4 +- .3 | 2 |
| 213.75-236.25(SW) | 23.1 +- 1.2 | 2 |
| 236.25-258.75(WSW) | 24.6 +- 0.0 | 1 |
| 258.75-281.25(W) | 23.6 +- 0.0 | 1 |
| 281.25-303.75(WNW) | 22.5 +- 0.0 | 1 |
| 303.75-326.25(NW) | 23.3 +- 0.0 | 1 |
| 326.25-348.75(NNW) | 24.3 +- 1.4 | 4 |
| | | |

| DISTANCE(mi) FROM THE REACTOR | NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 0-2 | 23.1 +- .9 | 9 |
| 2-5 | 23.7 +- 1.1 | 16 |
| >5 | 23.8 +- 1.7 | 4 |
| UPWIND CONTROL DATA | 21.8 +- .9 | 3 |

PEACH BOTTOM
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 831212-840411 121 DAYS
FIELD TIME 103 DAYS

| NRC STATION | LOCATION AZIMUTH/DIST (deg.) | (mi.) | GROSS EXPOSURE(mR) +- Rdm;Tot. | | | NET EXPOSURE RATE mR/Std.Qtr. +- Rdm;Tot. | | |
|---|---|---|---|---|---|---|---|---|
| 001 | 329 | 10. | 18.8 +- | .6 ; | 2.8 | 14.5 +- | .6 ; | 2.9 |
| 002 | 31 | 10. | 21.4 +- | .6 ; | 3.2 | 16.8 +- | .7 ; | 3.2 |
| 003 | 22 | 4.7 | 22.9 +- | .7 ; | 3.4 | 18.1 +- | .7 ; | 3.4 |
| 004 | 4 | 5 | 20.9 +- | .6 ; | 3.1 | 16.3 +- | .7 ; | 3.2 |
| 005 | 345 | 4.1 | 20.8 +- | .6 ; | 3.1 | 16.3 +- | .7 ; | 3.2 |
| 006 | 9 | 2.2 | 22.3 +- | .7 ; | 3.3 | 17.6 +- | .7 ; | 3.3 |
| 007 | 22 | 2.5 | 22.3 +- | .7 ; | 3.3 | 17.5 +- | .7 ; | 3.3 |
| 008 | 55 | 2.9 | 22.0 +- | .7 ; | 3.3 | 17.3 +- | .7 ; | 3.3 |
| 009 | 45 | 2 | 20.9 +- | .6 ; | 3.1 | 16.4 +- | .7 ; | 3.2 |
| 010 | 63 | 1.7 | 21.2 +- | .6 ; | 3.2 | 16.6 +- | .7 ; | 3.2 |
| 011 | 97 | 2 | 22.3 +- | .7 ; | 3.3 | 17.5 +- | .7 ; | 3.3 |
| 012 | 107 | 2.3 | 16.5 +- | .5 ; | 2.5 | 12.5 +- | .6 ; | 2.7 |
| 013 | 72 | 5 | 18.8 +- | .6 ; | 2.8 | 14.5 +- | .6 ; | 2.9 |
| 014 | 86 | 4.6 | 20.9 +- | .6 ; | 3.1 | 16.4 +- | .7 ; | 3.2 |
| 015 | 110 | 4.3 | 22.1 +- | .7 ; | 3.3 | 17.4 +- | .7 ; | 3.3 |
| 016 | 130 | 4.7 | 17.9 +- | .5 ; | 2.7 | 13.7 +- | .6 ; | 2.8 |
| 017 | 158 | 9 | 19.6 +- | .6 ; | 2.9 | 15.2 +- | .6 ; | 3.0 |
| 018 | 163 | 4.6 | 19.8 +- | .6 ; | 3.0 | 15.4 +- | .6 ; | 3.0 |
| 019 | 184 | 3.9 | 22.8 +- | .7 ; | 3.4 | 18.0 +- | .7 ; | 3.4 |
| 020 | 203 | 4.9 | 21.7 +- | .6 ; | 3.2 | 17.0 +- | .7 ; | 3.3 |
| 021 | 197 | 2.3 | 22.0 +- | .7 ; | 3.3 | 17.3 +- | .7 ; | 3.3 |
| 022 | 183 | 1.7 | 21.4 +- | .6 ; | 3.2 | 16.8 +- | .7 ; | 3.2 |
| 023 | 190 | 1.8 | 25.9 +- | .8 ; | 3.9 | 20.7 +- | .8 ; | 3.7 |
| 024 | 222 | 1.8 | 24.3 +- | .7 ; | 3.6 | 19.3 +- | .7 ; | 3.6 |
| 025 | 248 | 1.7 | 22.6 +- | .7 ; | 3.4 | 17.8 +- | .7 ; | 3.4 |
| 026 | 268 | 1.8 | 23.8 +- | .7 ; | 3.6 | 18.9 +- | .7 ; | 3.5 |
| 027 | 288 | 1.9 | 21.0 +- | .6 ; | 3.2 | 16.5 +- | .7 ; | 3.2 |
| 028 | 323 | 1.8 | 19.8 +- | .6 ; | 3.0 | 15.4 +- | .6 ; | 3.0 |
| 029 | 286 | 3.6 | MISSING OR DAMAGED DOSIMETER | | | | | |
| 030 | 264 | 4 | 21.9 +- | .7 ; | 3.3 | 17.2 +- | .7 ; | 3.3 |
| 031 | 262 | 9.9 | 25.0 +- | .8 ; | 3.8 | 19.9 +- | .8 ; | 3.6 |
| 032 | 248 | 3.2 | 22.7 +- | .7 ; | 3.4 | 17.9 +- | .7 ; | 3.4 |
| 033 | 235 | 9.4 | 16.9 +- | .5 ; | 2.5 | 12.8 +- | .6 ; | 2.7 |
| 034 | 319 | 4.9 | 23.1 +- | .7 ; | 3.5 | 18.3 +- | .7 ; | 3.4 |
| 035 | 151 | .7 | 20.6 +- | .6 ; | 3.1 | 16.1 +- | .7 ; | 3.1 |
| 036 | 148 | 16. | 18.2 +- | .5 ; | 2.7 | 14.0 +- | .6 ; | 2.9 |
| 037 | 148 | 16. | 17.0 +- | .5 ; | 2.5 | 12.9 +- | .6 ; | 2.7 |
| 038 | 148 | 16. | 17.4 +- | .5 ; | 2.6 | 13.3 +- | .6 ; | 2.8 |

TRANSIT DOSE = 2.2 +- .4 ; 1.8

PEACH BOTTOM
FOR THE PERIOD 831212-840411

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

| AZIMUTH (deg.) | NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 348.75-11.25 (N) | 17.0 +- .9 | 2 |
| 11.25-33.75 (NNE) | 17.5 +- .7 | 3 |
| 33.75-56.25 (NE) | 16.8 +- .7 | 2 |
| 56.25-78.75 (ENE) | 15.6 +- 1.5 | 2 |
| 78.75-101.25 (E) | 17.0 +- .8 | 2 |
| 101.25-123.75(ESE) | 15.0 +- 3.5 | 2 |
| 123.75-146.25(SE) | 13.7 +- 0.0 | 1 |
| 146.25-168.75(SSE) | 15.6 +- .4 | 3 |
| 168.75-191.25(S) | 18.5 +- 2.0 | 3 |
| 191.25-213.75(SSW) | 17.2 +- .2 | 2 |
| 213.75-236.25(SW) | 16.1 +- 4.6 | 2 |
| 236.25-258.75(WSW) | 17.8 +- .1 | 2 |
| 258.75-281.25(W) | 18.7 +- 1.4 | 3 |
| 281.25-303.75(WNW) | 16.5 +- 0.0 | 1 |
| 303.75-326.25(NW) | 16.8 +- 2.0 | 2 |
| 326.25-348.75(NNW) | 15.4 +- 1.2 | 2 |
| | | |

| DISTANCE(mi) FROM THE REACTOR | NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 0-2 | 17.4 +- 1.6 | 11 |
| 2-5 | 16.6 +- 1.6 | 18 |
| >5 | 15.9 +- 2.7 | 5 |
| UPWIND CONTROL DATA | 13.4 +- .5 | 3 |

PERRY
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 831212-840425 135 DAYS
FIELD TIME 64 DAYS

| NRC STATION | LOCATION AZIMUTH/DIST (deg.) | (mi.) | GROSS EXPOSURE(mR) +- Rdm; Tot. | NET EXPOSURE RATE mR/Std.Qtr. +- Rdm; Tot. |
|---|---|---|---|---|
| 001 | 72 | 5.0 | 26.3 +- .8 ; 3.9 | 17.4 +- 1.5 ; 7.3 |
| 003 | 88 | 5.5 | 25.2 +- .8 ; 3.8 | 15.8 +- 1.5 ; 7.1 |
| 004 | 112 | 6.0 | 24.3 +- .7 ; 3.6 | 14.5 +- 1.4 ; 6.9 |
| 005 | 130 | 4.0 | 25.7 +- .8 ; 3.8 | 16.5 +- 1.5 ; 7.2 |
| 006 | 155 | 5.0 | 29.0 +- .9 ; 4.3 | 21.1 +- 1.6 ; 7.7 |
| 007 | 178 | 5.2 | 28.1 +- .8 ; 4.2 | 19.8 +- 1.5 ; 7.5 |
| 008 | 205 | 4.6 | MISSING OR DAMAGED DOSIMETER | |
| 009 | 220 | 5.2 | 27.0 +- .8 ; 4.0 | 18.3 +- 1.5 ; 7.4 |
| 010 | 225 | 7.4 | 27.4 +- .8 ; 4.1 | 18.8 +- 1.5 ; 7.4 |
| 011 | 240 | 5.8 | 29.4 +- .9 ; 4.4 | 21.7 +- 1.6 ; 7.8 |
| 012 | 225 | 19. | 26.4 +- .8 ; 4.0 | 17.5 +- 1.5 ; 7.3 |
| 013 | 225 | 19. | 27.2 +- .8 ; 4.1 | 18.6 +- 1.5 ; 7.4 |
| 014 | 212 | 12. | 29.7 +- .9 ; 4.4 | 22.1 +- 1.6 ; 7.8 |
| 015 | 248 | 1.4 | 27.0 +- .8 ; 4.1 | 18.4 +- 1.5 ; 7.4 |
| 016 | 225 | 0.8 | 27.0 +- .8 ; 4.1 | 18.4 +- 1.5 ; 7.4 |
| 017 | 205 | 0.7 | 25.7 +- .8 ; 3.8 | 16.5 +- 1.5 ; 7.2 |
| 018 | 180 | 0.8 | MISSING OR DAMAGED DOSIMETER | |
| 019 | 152 | 1.8 | 25.3 +- .8 ; 3.8 | 16.0 +- 1.5 ; 7.1 |
| 020 | 123 | 1.6 | 25.5 +- .8 ; 3.8 | 16.2 +- 1.5 ; 7.1 |
| 021 | 105 | 1.4 | 25.7 +- .8 ; 3.9 | 16.5 +- 1.5 ; 7.2 |
| 022 | 85 | 1.2 | 26.7 +- .8 ; 4.0 | 17.9 +- 1.5 ; 7.3 |
| 023 | 65 | 1.4 | MISSING OR DAMAGED DOSIMETER | |
| 024 | 40 | 0.6 | 26.2 +- .8 ; 3.9 | 17.2 +- 1.5 ; 7.2 |
| 025 | 40 | 0.6 | 27.2 +- .8 ; 4.1 | 18.6 +- 1.5 ; 7.4 |
| 026 | 182 | 2.8 | 26.0 +- .8 ; 3.9 | 16.9 +- 1.5 ; 7.2 |
| 027 | 175 | 2.8 | 24.5 +- .7 ; 3.7 | 14.8 +- 1.4 ; 7.0 |
| TRANSIT DOSE = | | | 13.9 +- .7 ; 3.3 | |

PERRY
FOR THE PERIOD 831212-840425

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

| AZIMUTH (deg.) | NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 348.75-11.25 (N) | NO DATA+-NO DATA | 0 |
| 11.25-33.75 (NNE) | NO DATA+-NO DATA | 0 |
| 33.75-56.25 (NE) | 17.9 +- 1.0 | 2 |
| 56.25-78.75 (ENE) | 17.4 +- 0.0 | 1 |
| 78.75-101.25 (E) | 16.8 +- 1.5 | 2 |
| 101.25-123.75(ESE) | 15.7 +- 1.1 | 3 |
| 123.75-146.25(SE) | 16.5 +- 0.0 | 1 |
| 146.25-168.75(SSE) | 18.5 +- 3.6 | 2 |
| 168.75-191.25(S) | 17.2 +- 2.5 | 3 |
| 191.25-213.75(SSW) | 16.5 +- 0.0 | 1 |
| 213.75-236.25(SW) | 18.5 +- .3 | 3 |
| 236.25-258.75(WSW) | 20.0 +- 2.4 | 2 |
| 258 75-281.25(W) | NO DATA+-NO DATA | 0 |
| 281.25-303.75(WNW) | NO DATA+-NO DATA | 0 |
| 303.75-326.25(NW) | NO DATA+-NO DATA | 0 |
| 326.25-348.75(NNW) | NO DATA+-NO DATA | 0 |
| | | |

| DISTANCE(mi) FROM THE REACTOR | NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 0-2 | 17.3 +- 1.0 | 9 |
| 2-5 | 17.3 +- 2.3 | 5 |
| >5 | 18.2 +- 2.7 | 6 |
| UPWIND CONTROL DATA | 19.4 +- 2.4 | 3 |

PILGRIM
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 831216-840417 123 DAYS
FIELD TIME 96 DAYS

| NRC STATION | LOCATION AZIMUTH/DIST (deg.) (mi.) | GROSS EXPOSURE(mR) +- Rdm; Tot. | NET EXPOSURE RATE mR/Std.Qtr. +- Rdm; Tot. |
|---|---|---|---|
| 001 | 288 .1 | 65.0 +- 1.9 ; 9.7 | 55.4 +- 2.0 ; 9.6 |
| 002 | 310 .2 | 28.8 +- .9 ; 4.3 | 21.5 +- 1.1 ; 5.0 |
| 005 | 289 .7 | 27.7 +- .8 ; 4.2 | 20.5 +- 1.0 ; 4.9 |
| 006 | 261 1.7 | 24.0 +- .7 ; 3.6 | 17.0 +- 1.0 ; 4.5 |
| 007 | 270 .5 | 30.0 +- .9 ; 4.5 | 22.6 +- 1.1 ; 5.2 |
| 008 | 247 .3 | 25.3 +- .8 ; 3.8 | 18.2 +- 1.0 ; 4.7 |
| 009 | 224 .3 | 25.9 +- .8 ; 3.9 | 18.8 +- 1.0 ; 4.7 |
| 010 | 205 .3 | 26.1 +- .8 ; 3.9 | 18.9 +- 1.0 ; 4.7 |
| 011 | 184 0.3 | 28.2 +- .8 ; 4.2 | 20.9 +- 1.1 ; 5.0 |
| 012 | 159 .4 | 26.5 +- .8 ; 4.0 | 19.4 +- 1.0 ; 4.8 |
| 013 | 146 .7 | 22.2 +- .7 ; 3.3 | 15.3 +- .9 ; 4.3 |
| 014 | 155 1 | 24.0 +- .7 ; 3.6 | 17.0 +- 1.0 ; 4.5 |
| 016 | 136 1.3 | 22.1 +- .7 ; 3.3 | 15.2 +- .9 ; 4.3 |
| 018 | 212 .8 | MISSING OR DAMAGED DOSIMETER | |
| 019 | 232 1 | 21.2 +- .6 ; 3.2 | 14.4 +- .9 ; 4.2 |
| 021 | 256 1.6 | 17.6 +- .5 ; 2.6 | 11.0 +- .9 ; 3.9 |
| 022 | 130 2.5 | 24.7 +- .7 ; 3.7 | 17.6 +- 1.0 ; 4.6 |
| 023 | 146 3.4 | 22.2 +- .7 ; 3.3 | 15.3 +- .9 ; 4.3 |
| 025 | 168 1.5 | 24.3 +- .7 ; 3.6 | 17.3 +- 1.0 ; 4.6 |
| 026 | 180 1.3 | 22.4 +- .7 ; 3.4 | 15.5 +- .9 ; 4.4 |
| 027 | 231 1.8 | 23.6 +- .7 ; 3.5 | 16.6 +- 1.0 ; 4.5 |
| 030 | 153 2.2 | 25.4 +- .8 ; 3.8 | 18.3 +- 1.0 ; 4.7 |
| 031 | 179 2.5 | 22.0 +- .7 ; 3.3 | 15.1 +- .9 ; 4.3 |
| 032 | 217 2.6 | 22.6 +- .7 ; 3.4 | 15.7 +- .9 ; 4.4 |
| 033 | 234 2.5 | 22.5 +- .7 ; 3.4 | 15.6 +- .9 ; 4.4 |
| 037 | 264 4.2 | 24.7 +- .7 ; 3.7 | 17.7 +- 1.0 ; 4.6 |
| 038 | 152 3.5 | 22.5 +- .7 ; 3.4 | 15.6 +- .9 ; 4.4 |
| 039 | 155 5.3 | 21.1 +- .6 ; 3.2 | 14.3 +- .9 ; 4.2 |
| 040 | 272 4.6 | 24.7 +- .7 ; 3.7 | 17.6 +- 1.0 ; 4.6 |
| 042 | 281 4.6 | 22.8 +- .7 ; 3.4 | 15.9 +- 1.0 ; 4.4 |
| 043 | 291 5.8 | 25.3 +- .8 ; 3.8 | 18.2 +- 1.0 ; 4.7 |
| 047 | 301 26. | 24.7 +- .7 ; 3.7 | 17.6 +- 1.0 ; 4.6 |
| 048 | 301 26. | 23.6 +- .7 ; 3.5 | 16.6 +- 1.0 ; 4.5 |
| 049 | 301 26. | 23.0 +- .7 ; 3.5 | 16.1 +- 1.0 ; 4.4 |
| TRANSIT DOSE = | | 5.8 +- .8 ; 3.2 | |

COMMENTS:

STATION 1 IS ON LICENSEE PROPERTY (PILGRIM OVERLOOK AREA).
ACCESS IS CONTROLLED

PILGRIM
FOR THE PERIOD 831216-840417

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

| AZIMUTH (deg.) | NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 348.75-11.25 (N) | NO DATA+-NO DATA | 0 |
| 11.25-33.75 (NNE) | NO DATA+-NO DATA | 0 |
| 33.75-56.25 (NE) | NO DATA+-NO DATA | 0 |
| 56.25-78.75 (ENE) | NO DATA+-NO DATA | 0 |
| 78.75-101.25 (E) | NO DATA+-NO DATA | 0 |
| 101.25-123.75(ESE) | NO DATA+-NO DATA | 0 |
| 123.75-146.25(SE) | 15.9 +- 1.2 | 4 |
| 146.25-168.75(SSE) | 17.0 +- 1.8 | 6 |
| 168.75-191.25(S) | 17.2 +- 3.3 | 3 |
| 191.25-213.75(SSW) | 18.9 +- 0.0 | 1 |
| 213.75-236.25(SW) | 16.2 +- 1.6 | 5 |
| 236.25-258.75(WSW) | 14.8 +- 5.1 | 2 |
| 258.75-281.25(W) | 18.2 +- 2.6 | 5 |
| 281.25-303.75(WNW) | 31.4 +- 20.8 | 3 |
| 303.75-326.25(NW) | 21.5 +- 0.0 | 1 |
| 326.25-348.75(NNW) | NO DATA+-NO DATA | 0 |
| | | |

| DISTANCE(mi) FROM THE REACTOR | NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 0-2 | 19.8 +- 9.3 | 18 |
| 2-5 | 16.4 +- 1.2 | 10 |
| >5 | 16.3 +- 2.8 | 2 |
| UPWIND CONTROL DATA | 16.8 +- .8 | 3 |

PRAIRIE ISLAND
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 831212-840412 122 DAYS
FIELD TIME 88 DAYS

| NRC STATION | LOCATION AZIMUTH (deg.) | LOCATION DIST (mi.) | GROSS EXPOSURE(mR) +- Rdm | GROSS EXPOSURE(mR) Tot. | NET EXPOSURE RATE mR/Std.Qtr. +- Rdm | NET EXPOSURE RATE mR/Std.Qtr. Tot. |
|---|---|---|---|---|---|---|
| 001 | 312 | 17. | 19.7 +- .6 | 2.9 | 13.8 +- .8 | 3.8 |
| 002 | 310 | 15. | 19.8 +- .6 | 3.0 | 13.9 +- .8 | 3.8 |
| 003 | 310 | 15. | 19.2 +- .6 | 2.9 | 13.2 +- .8 | 3.7 |
| 004 | 308 | 5.5 | 20.6 +- .6 | 3.1 | 14.7 +- .8 | 3.9 |
| 005 | 297 | 4.1 | 18.3 +- .5 | 2.7 | 12.4 +- .8 | 3.6 |
| 006 | 287 | 1.3 | 19.2 +- .6 | 2.9 | 13.2 +- .8 | 3.7 |
| 007 | 313 | 0.8 | 18.3 +- .5 | 2.7 | 12.3 +- .8 | 3.6 |
| 008 | 244 | 0.5 | 19.4 +- .6 | 2.9 | 13.4 +- .8 | 3.8 |
| 009 | 194 | 0.6 | 20.0 +- .6 | 3.0 | 14.1 +- .8 | 3.8 |
| 010 | 155 | 0.5 | 19.8 +- .6 | 3.0 | 13.9 +- .8 | 3.8 |
| 011 | 129 | 1.6 | 18.5 +- .6 | 2.8 | 12.6 +- .8 | 3.7 |
| 012 | 153 | 1.4 | 19.5 +- .6 | 2.9 | 13.6 +- .8 | 3.8 |
| 013 | 217 | 0.6 | 19.6 +- .6 | 2.9 | 13.7 +- .8 | 3.8 |
| 014 | 178 | 0.8 | 19.3 +- .6 | 2.9 | 13.4 +- .8 | 3.7 |
| 015 | 272 | 1.9 | 18.5 +- .6 | 2.8 | 12.5 +- .8 | 3.6 |
| 016 | 262 | 4.6 | 18.6 +- .6 | 2.8 | 12.7 +- .8 | 3.7 |
| 017 | 250 | 4.3 | 20.0 +- .6 | 3.0 | 14.1 +- .8 | 3.8 |
| 018 | 225 | 4.1 | 19.0 +- .6 | 2.9 | 13.1 +- .8 | 3.7 |
| 019 | 233 | 6.7 | 18.5 +- .6 | 2.8 | 12.5 +- .8 | 3.6 |
| 020 | 200 | 4.9 | 20.6 +- .6 | 3.1 | 14.7 +- .8 | 3.9 |
| 021 | 187 | 4.7 | 20.0 +- .6 | 3.0 | 14.1 +- .8 | 3.8 |
| 022 | 160 | 4.4 | 19.9 +- .6 | 3.0 | 14.0 +- .8 | 3.8 |
| 023 | 140 | 4.7 | 21.3 +- .6 | 3.2 | 15.4 +- .8 | 4.0 |
| 024 | 131 | 6.6 | 19.7 +- .6 | 2.9 | 13.8 +- .8 | 3.8 |
| 025 | 117 | 4.9 | 19.4 +- .6 | 2.9 | 13.4 +- .8 | 3.8 |
| 026 | 88 | 1.9 | 20.9 +- .6 | 3.1 | 15.0 +- .8 | 3.9 |
| 027 | 69 | 1.8 | 18.7 +- .6 | 2.8 | 12.8 +- .8 | 3.7 |
| 028 | 47 | 1.6 | 20.4 +- .6 | 3.1 | 14.5 +- .8 | 3.9 |
| 029 | 19 | 1.5 | 18.9 +- .6 | 2.8 | 13.0 +- .8 | 3.7 |
| 030 | 356 | 1.9 | 19.7 +- .6 | 3.0 | 13.8 +- .8 | 3.8 |
| 031 | 346 | 2.4 | 18.7 +- .6 | 2.8 | 12.7 +- .8 | 3.7 |
| 032 | 340 | 3.8 | 47.4 +- 1.4 | 7.1 | 42.1 +- 1.5 | 7.6 |
| 033 | 8 | 4.6 | 21.0 +- .6 | 3.1 | 15.1 +- .8 | 4.0 |
| 034 | 17 | 4.7 | 18.0 +- .5 | 2.7 | 12.0 +- .8 | 3.6 |
| 035 | 45 | 11. | 19.6 +- .6 | 2.9 | 13.6 +- .8 | 3.8 |
| 036 | 48 | 4.7 | 21.1 +- .6 | 3.2 | 15.2 +- .8 | 4.0 |
| 037 | 61 | 4.2 | 21.0 +- .6 | 3.2 | 15.1 +- .8 | 4.0 |
| 038 | 86 | 4.9 | 20.4 +- .6 | 3.1 | 14.5 +- .8 | 3.9 |
| 039 | 107 | 9.1 | 20.3 +- .6 | 3.0 | 14.4 +- .8 | 3.9 |
| 040 | 111 | 3.7 | 19.5 +- .6 | 2.9 | 13.5 +- .8 | 3.8 |

TRANSIT DOSE = 6.2 +- .5 ; 2.2

PRAIRIE ISLAND
FOR THE PERIOD 831212-840412

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

| AZIMUTH (deg.) | NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 348.75-11.25 (N) | 14.4 +- .9 | 2 |
| 11.25-33.75 (NNE) | 12.5 +- .7 | 2 |
| 33.75-56.25 (NE) | 14.5 +- .8 | 3 |
| 56.25-78.75 (ENE) | 14.0 +- 1.7 | 2 |
| 78.75-101.25 (E) | 14.8 +- .4 | 2 |
| 101.25-123.75(ESE) | 13.8 +- .5 | 3 |
| 123.75-146.25(SE) | 13.9 +- 1.4 | 3 |
| 146.25-168.75(SSE) | 13.8 +- .2 | 3 |
| 168.75-191.25(S) | 13.8 +- .5 | 2 |
| 191.25-213.75(SSW) | 14.4 +- .4 | 2 |
| 213.75-236.25(SW) | 13.1 +- .6 | 3 |
| 236.25-258.75(WSW) | 13.8 +- .4 | 2 |
| 258.75-281.25(W) | 12.6 +- .1 | 2 |
| 281.25-303.75(WNW) | 12.8 +- .6 | 2 |
| 303.75-326.25(NW) | 13.5 +- 1.7 | 2 |
| 326.25-348.75(NNW) | 27.4 +- 20.8 | 2 |
| | | |

| DISTANCE(mi) FROM THE REACTOR | NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 0-2 | 13.5 +- .8 | 15 |
| 2-5 | 15.5 +- 6.9 | 17 |
| >5 | 13.8 +- .8 | 5 |
| UPWIND CONTROL DATA | 13.6 +- .3 | 3 |

QUAD CITIES
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 831209-840406 119 DAYS
FIELD TIME 86 DAYS

| NRC STATION | LOCATION AZIMUTH (deg.) | DIST (mi.) | GROSS EXPOSURE(mR) +- Rdm;Tot. | NET EXPOSURE RATE mR/Std.Qtr. +- Rdm;Tot. |
|---|---|---|---|---|
| 001 | 7 | 0.7 | 17.0 +- .5 ; 2.5 | NO NET DATA |
| 002 | 17 | 1.2 | 20.3 +- .6 ; 3.0 | NO NET DATA |
| 003 | 45 | 1.7 | 16.3 +- .5 ; 2.4 | NO NET DATA |
| 004 | 65 | 1.1 | 17.6 +- .5 ; 2.6 | NO NET DATA |
| 005 | 90 | 0.8 | 17.2 +- .5 ; 2.6 | NO NET DATA |
| 006 | 136 | 1.1 | 18.0 +- .5 ; 2.7 | NO NET DATA |
| 007 | 175 | 1.8 | 18.2 +- .5 ; 2.7 | NO NET DATA |
| 008 | 157 | 2.0 | 17.6 +- .5 ; 2.6 | NO NET DATA |
| 009 | 186 | 3.1 | 18.0 +- .5 ; 2.7 | NO NET DATA |
| 010 | 188 | 7.7 | 19.3 +- .6 ; 2.9 | NO NET DATA |
| 011 | 156 | 4.2 | 17.2 +- .5 ; 2.6 | NO NET DATA |
| 012 | 142 | 4.8 | 17.3 +- .5 ; 2.6 | NO NET DATA |
| 013 | 121 | 3.3 | 18.1 +- .5 ; 2.7 | NO NET DATA |
| 014 | 114 | 2.0 | 15.6 +- .5 ; 2.3 | NO NET DATA |
| 015 | 86 | 2.8 | 18.0 +- .5 ; 2.7 | NO NET DATA |
| 016 | 62 | 4.4 | 19.7 +- .6 ; 2.9 | NO NET DATA |
| 017 | 48 | 6.1 | 18.0 +- .5 ; 2.7 | NO NET DATA |
| 018 | 39 | 8.8 | 18.6 +- .6 ; 2.8 | NO NET DATA |
| 019 | 36 | 4.7 | 17.7 +- .5 ; 2.6 | NO NET DATA |
| 020 | 16 | 4.3 | 17.9 +- .5 ; 2.7 | NO NET DATA |
| 021 | 358 | 4.2 | 18.1 +- .5 ; 2.7 | NO NET DATA |
| 022 | 336 | 4.1 | 20.4 +- .6 ; 3.1 | NO NET DATA |
| 023 | 337 | 5.7 | 18.0 +- .5 ; 2.7 | NO NET DATA |
| 024 | 317 | 4.4 | MISSING OR DAMAGED DOSIMETER | |
| 025 | 295 | 4.1 | 17.9 +- .5 ; 2.7 | NO NET DATA |
| 026 | 282 | 6.9 | 16.1 +- .5 ; 2.4 | NO NET DATA |
| 027 | 265 | 4.3 | MISSING OR DAMAGED DOSIMETER | |
| 028 | 253 | 4.0 | MISSING OR DAMAGED DOSIMETER | |
| 029 | 356 | 2.8 | 17.6 +- .5 ; 2.6 | NO NET DATA |
| 030 | 335 | 1.9 | 19.3 +- .6 ; 2.9 | NO NET DATA |
| 031 | 317 | 2.6 | 19.1 +- .6 ; 2.9 | NO NET DATA |
| 032 | 295 | 2.5 | MISSING OR DAMAGED DOSIMETER | |
| 033 | 266 | 2.0 | 17.1 +- .5 ; 2.6 | NO NET DATA |
| 034 | 248 | 2.2 | 17.1 +- .5 ; 2.6 | NO NET DATA |
| 035 | 229 | 2.6 | 17.4 +- .5 ; 2.6 | NO NET DATA |
| 036 | 204 | 3.4 | 17.8 +- .5 ; 2.7 | NO NET DATA |
| 037 | 194 | 8.3 | 18.7 +- .6 ; 2.8 | NO NET DATA |
| 038 | 224 | 4.6 | 18.6 +- .6 ; 2.8 | NO NET DATA |
| 039 | 301 | 15. | 17.3 +- .5 ; 2.6 | NO NET DATA |
| 040 | 301 | 15. | 17.2 +- .5 ; 2.6 | NO NET DATA |
| 041 | 301 | 15. | 16.9 +- .5 ; 2.5 | NO NET DATA |

NO TRANSIT DOSE CALCULATED (TLD CONTROLS MISSING OR OTHERWISE NOT COMPLETE)

QUAD CITIES
FOR THE PERIOD 831209-840406

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

| AZIMUTH (deg.) | AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 348.75-11.25 (N) | 13.3 +- .4 | 3 |
| 11.25-33.75 (NNE) | 14.4 +- 1.3 | 2 |
| 33.75-56.25 (NE) | 13.3 +- .7 | 4 |
| 56.25-78.75 (ENE) | 14.1 +- 1.1 | 2 |
| 78.75-101.25 (E) | 13.3 +- .4 | 2 |
| 101.25-123.75(ESE) | 12.7 +- 1.3 | 2 |
| 123.75-146.25(SE) | 13.3 +- .3 | 2 |
| 146.25-168.75(SSE) | 13.1 +- .2 | 2 |
| 168.75-191.25(S) | 14.0 +- .6 | 3 |
| 191.25-213.75(SSW) | 13.8 +- .5 | 2 |
| 213.75-236.25(SW) | 13.6 +- .6 | 2 |
| 236.25-258.75(WSW) | 12.9 +- 0.0 | 1 |
| 258.75-281.25(W) | 12.9 +- 0.0 | 1 |
| 281.25-303.75(WNW) | 12.8 +- .9 | 2 |
| 303.75-326.25(NW) | 14.4 +- 0.0 | 1 |
| 326.25-348.75(NNW) | 14.5 +- .9 | 3 |
| | | |

| DISTANCE(mi) FROM THE REACTOR | AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 0-2 | 13.3 +- 1.0 | 11 |
| 2-5 | 13.7 +- .7 | 17 |
| >5 | 13.7 +- .8 | 6 |
| UPWIND CONTROL DATA | 13.0 +- .2 | 3 |

RANCHO SECO
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 831208-840504 148 DAYS
FIELD TIME 89 DAYS

| NRC STATION | LOCATION AZIMUTH/DIST (deg.) | (mi.) | GROSS EXPOSURE(mR) +- Rdm; Tot. | | | NET EXPOSURE RATE mR/Std.Qtr. +- Rdm; Tot. | | | |
|---|---|---|---|---|---|---|---|---|---|
| 001 | 288 | 16. | 22.8 +- | .7 | 3.4 | 16.0 +- | .9 | | 4.2 |
| 002 | 239 | 12. | 23.2 +- | .7 | 3.5 | 16.4 +- | .9 | | 4.2 |
| 003 | 213 | 16. | 26.3 +- | .8 | 3.9 | 19.6 +- | 1.0 | | 4.6 |
| 004 | 149 | 9.9 | 25.1 +- | .8 | 3.8 | 18.3 +- | .9 | | 4.5 |
| 005 | 108 | 8.2 | 27.1 +- | .8 | 4.1 | 20.3 +- | 1.0 | | 4.7 |
| 006 | 86 | 10. | 20.8 +- | .6 | 3.1 | 14.0 +- | .8 | | 3.9 |
| 007 | 83 | 9.7 | 19.6 +- | .6 | 2.9 | 12.8 +- | .8 | | 3.8 |
| 008 | 37 | 7.1 | 20.0 +- | .6 | 3.0 | 13.2 +- | .8 | | 3.8 |
| 009 | 65 | 0.8 | 21.3 +- | .6 | 3.2 | 14.5 +- | .8 | | 4.0 |
| 010 | 43 | 0.7 | 20.3 +- | .6 | 3.0 | 13.5 +- | .8 | | 3.9 |
| 011 | 92 | 0.2 | 20.7 +- | .6 | 3.1 | 13.9 +- | .8 | | 3.9 |
| 012 | 131 | 1.6 | 20.7 +- | .6 | 3.1 | 13.9 +- | .8 | | 3.9 |
| 013 | 358 | 0.6 | 22.8 +- | .7 | 3.4 | 16.0 +- | .9 | | 4.2 |
| 014 | 323 | 0.7 | 21.4 +- | .6 | 3.2 | 14.6 +- | .8 | | 4.0 |
| 015 | 151 | 0.7 | 20.5 +- | .6 | 3.1 | 13.7 +- | .8 | | 3.9 |
| 016 | 219 | 0.9 | 20.4 +- | .6 | 3.1 | 13.6 +- | .8 | | 3.9 |
| 017 | 245 | 1.5 | 19.9 +- | .6 | 3.0 | 13.1 +- | .8 | | 3.8 |
| 018 | 254 | 2.3 | 19.8 +- | .6 | 3.0 | 13.0 +- | .8 | | 3.8 |
| 019 | 323 | 7.0 | 21.0 +- | .6 | 3.2 | 14.2 +- | .8 | | 3.9 |
| 020 | 309 | 6.3 | 20.7 +- | .6 | 3.1 | 13.9 +- | .8 | | 3.9 |
| 021 | 279 | 5.7 | 20.7 +- | .6 | 3.1 | 13.9 +- | .8 | | 3.9 |
| 022 | 244 | 6.4 | 22.8 +- | .7 | 3.4 | 16.0 +- | .9 | | 4.2 |
| 023 | 217 | 4.6 | 20.8 +- | .6 | 3.1 | 14.0 +- | .8 | | 3.9 |
| 024 | 350 | 11. | 21.0 +- | .6 | 3.1 | 14.2 +- | .8 | | 3.9 |
| 025 | 318 | 17. | 21.5 +- | .6 | 3.2 | 14.7 +- | .8 | | 4.0 |
| 026 | 311 | 22. | 22.1 +- | .7 | 3.3 | 15.3 +- | .8 | | 4.1 |
| 027 | 306 | 27. | 21.1 +- | .6 | 3.2 | 14.3 +- | .8 | | 4.0 |
| 028 | 306 | 27. | 20.7 +- | .6 | 3.1 | 13.9 +- | .8 | | 3.9 |
| 029 | 306 | 27. | 22.3 +- | .7 | 3.3 | 15.5 +- | .9 | | 4.1 |
| 030 | 306 | 27. | 21.3 +- | .6 | 3.2 | 14.5 +- | .8 | | 4.0 |

TRANSIT DOSE = 6.9 +- .5 ; 2.3

RANCHO SECO
FOR THE PERIOD 831208-840504

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

| AZIMUTH (deg.) | NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 348.75-11.25 (N) | 15.1 +- 1.3 | 2 |
| 11.25-33.75 (NNE) | NO DATA+-NO DATA | 0 |
| 33.75-56.25 (NE) | 13.3 +- .2 | 2 |
| 56.25-78.75 (ENE) | 14.5 +- 0.0 | 1 |
| 78.75-101.25 (E) | 13.6 +- .7 | 3 |
| 101.25-123.75(ESE) | 20.3 +- 0.0 | 1 |
| 123.75-146.25(SE) | 13.9 +- 0.0 | 1 |
| 146.25-168.75(SSE) | 16.0 +- 3.3 | 2 |
| 168.75-191.25(S) | NO DATA+-NO DATA | 0 |
| 191.25-213.75(SSW) | 19.6 +- 0.0 | 1 |
| 213.75-236.25(SW) | 13.8 +- .3 | 2 |
| 236.25-258.75(WSW) | 14.6 +- 1.8 | 4 |
| 258.75-281.25(W) | 13.9 +- 0.0 | 1 |
| 281.25-303.75(WNW) | 16.0 +- 0.0 | 1 |
| 303.75-326.25(NW) | 14.6 +- .5 | 6 |
| 326.25-348.75(NNW) | NO DATA+-NO DATA | 0 |
| | | |

| DISTANCE(mi) FROM THE REACTOR | NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 0-2 | 14.1 +- .9 | 9 |
| 2-5 | 13.5 +- .7 | 2 |
| >5 | 15.5 +- 2.2 | 18 |
| UPWIND CONTROL DATA | 14.5 +- .7 | 3 |

ROBINSON
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 831213-840406 115 DAYS
FIELD TIME 84 DAYS

| NRC STATION | LOCATION AZIMUTH (deg.) | LOCATION DIST (mi.) | GROSS EXPOSURE(mR) +- Rdm | GROSS EXPOSURE(mR) Tot. | NET EXPOSURE RATE mR/Std.Qtr. +- Rdm | NET EXPOSURE RATE mR/Std.Qtr. Tot. |
|---|---|---|---|---|---|---|
| 001 | 191 | 0.2 | 16.1 +- .5 | 2.4 | 15.5 +- .6 | 3.1 |
| 002 | 151 | 1.9 | 20.2 +- .6 | 3.0 | 19.9 +- .8 | 3.7 |
| 003 | 134 | 2.0 | 20.4 +- .6 | 3.1 | 20.1 +- .8 | 3.7 |
| 004 | 119 | 1.9 | 16.3 +- .5 | 2.4 | 15.8 +- .6 | 3.2 |
| 005 | 89 | 2.1 | 19.6 +- .6 | 2.9 | 19.2 +- .7 | 3.6 |
| 006 | 65 | 1.0 | 17.2 +- .5 | 2.6 | 16.7 +- .7 | 3.3 |
| 007 | 46 | 1.8 | 19.5 +- .6 | 2.9 | 19.1 +- .7 | 3.6 |
| 008 | 27 | 1.9 | 19.3 +- .6 | 2.9 | 19.0 +- .7 | 3.6 |
| 009 | 22 | 3.5 | 19.1 +- .6 | 2.9 | 18.8 +- .7 | 3.5 |
| 010 | 0 | 5.0 | MISSING OR DAMAGED DOSIMETER | | | |
| 011 | 51 | 4.8 | 20.3 +- .6 | 3.0 | 20.0 +- .8 | 3.7 |
| 012 | 67 | 4.1 | 15.4 +- .5 | 2.3 | 14.7 +- .6 | 3.0 |
| 013 | 87 | 4.5 | 15.9 +- .5 | 2.4 | 15.3 +- .6 | 3.1 |
| 014 | 109 | 5.0 | MISSING OR DAMAGED DOSIMETER | | | |
| 015 | 118 | 4.8 | 17.3 +- .5 | 2.6 | 16.8 +- .7 | 3.3 |
| 016 | 138 | 5.3 | MISSING OR DAMAGED DOSIMETER | | | |
| 017 | 115 | 17. | 16.6 +- .5 | 2.5 | 16.1 +- .7 | 3.2 |
| 018 | 199 | 12. | 17.2 +- .5 | 2.6 | 16.7 +- .7 | 3.3 |
| 019 | 208 | 4.8 | 21.3 +- .6 | 3.2 | 21.1 +- .8 | 3.9 |
| 020 | 225 | 4.0 | 19.7 +- .6 | 3.0 | 19.4 +- .7 | 3.6 |
| 021 | 178 | 4.6 | 13.8 +- .4 | 2.1 | 13.0 +- .6 | 2.8 |
| 022 | 167 | 3.7 | 16.7 +- .5 | 2.5 | 16.1 +- .7 | 3.2 |
| 023 | 181 | 2.3 | 16.7 +- .5 | 2.5 | 16.2 +- .7 | 3.2 |
| 024 | 194 | 2.0 | 20.0 +- .6 | 3.0 | 19.7 +- .7 | 3.7 |
| 025 | 228 | 2.1 | 17.7 +- .5 | 2.6 | 17.2 +- .7 | 3.3 |
| 026 | 245 | 1.5 | 16.2 +- .5 | 2.4 | 15.6 +- .6 | 3.1 |
| 027 | 273 | 1.8 | 15.7 +- .5 | 2.3 | 15.1 +- .6 | 3.1 |
| 028 | 287 | 2.0 | 14.4 +- .4 | 2.2 | 13.7 +- .6 | 2.9 |
| 029 | 311 | 1.6 | 17.7 +- .5 | 2.7 | 17.3 +- .7 | 3.3 |
| 030 | 334 | 1.9 | 17.3 +- .5 | 2.6 | 16.8 +- .7 | 3.3 |
| 031 | 353 | 1.8 | 15.9 +- .5 | 2.4 | 15.3 +- .6 | 3.1 |
| 032 | 333 | 4.0 | 17.8 +- .5 | 2.7 | 17.4 +- .7 | 3.4 |
| 033 | 318 | 4.7 | 18.3 +- .5 | 2.7 | 17.8 +- .7 | 3.4 |
| 034 | 310 | 6.9 | 15.7 +- .5 | 2.4 | 15.1 +- .6 | 3.1 |
| 035 | 295 | 4.0 | 21.0 +- .6 | 3.2 | 20.8 +- .8 | 3.8 |
| 036 | 269 | 4.8 | MISSING OR DAMAGED DOSIMETER | | | |
| 037 | 252 | 4.6 | 18.9 +- .6 | 2.8 | 18.5 +- .7 | 3.5 |
| 038 | 274 | 10. | 18.3 +- .5 | 2.7 | 17.8 +- .7 | 3.4 |
| 039 | 286 | 15. | 15.4 +- .5 | 2.3 | 14.8 +- .6 | 3.0 |
| 040 | 289 | 16. | 15.4 +- .5 | 2.3 | 14.7 +- .6 | 3.0 |
| 041 | 291 | 17. | 16.5 +- .5 | 2.5 | 16.0 +- .7 | 3.2 |

TRANSIT DOSE = 1.6 +- .4 ; 1.6

ROBINSON
FOR THE PERIOD 831213-840406

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

| AZIMUTH (deg.) | NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 348.75-11.25 (N) | 15.3 +- 0.0 | 1 |
| 11.25-33.75 (NNE) | 18.9 +- .2 | 2 |
| 33.75-56.25 (NE) | 19.6 +- .6 | 2 |
| 56.25-78.75 (ENE) | 15.7 +- 1.4 | 2 |
| 78.75-101.25 (E) | 17.3 +- 2.8 | 2 |
| 101.25-123.75(ESE) | 16.2 +- .5 | 3 |
| 123.75-146.25(SE) | 20.1 +- 0.0 | 1 |
| 146.25-168.75(SSE) | 18.0 +- 2.7 | 2 |
| 168.75-191.25(S) | 14.9 +- 1.7 | 3 |
| 191.25-213.75(SSW) | 19.1 +- 2.3 | 3 |
| 213.75-236.25(SW) | 18.3 +- 1.6 | 2 |
| 236.25-258.75(WSW) | 17.1 +- 2.1 | 2 |
| 258.75-281.25(W) | 16.5 +- 2.0 | 2 |
| 281.25-303.75(WNW) | 17.3 +- 5.0 | 2 |
| 303.75-326.25(NW) | 16.7 +- 1.4 | 3 |
| 326.25-348.75(NNW) | 17.1 +- .4 | 2 |
| | | |

| DISTANCE(mi) FROM THE REACTOR | NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 0-2 | 17.1 +- 2.1 | 14 |
| 2-5 | 17.7 +- 2.3 | 16 |
| >5 | 16.4 +- 1.1 | 4 |
| UPWIND CONTROL DATA | 15.2 +- .7 | 3 |

ST.LUCIE
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 831213-840413 122 DAYS
FIELD TIME 101 DAYS

| NRC STATION | LOCATION AZIMUTH/DIST (deg.) | (mi.) | GROSS EXPOSURE(mR) +- Rdm;Tot. | NET EXPOSURE RATE mR/Std.Qtr. +- Rdm;Tot. |
|---|---|---|---|---|
| 001 | 20 | 0.3 | 16.7 +- .5 ; 2.5 | 11.5 +- .6 ; 2.9 |
| 002 | 45 | 0.2 | 19.1 +- .6 ; 2.9 | 13.6 +- .7 ; 3.1 |
| 003 | 67 | 0.2 | MISSING OR DAMAGED DOSIMETER | |
| 004 | 92 | 0.3 | 15.5 +- .5 ; 2.3 | 10.4 +- .6 ; 2.8 |
| 005 | 115 | 0.4 | 14.2 +- .4 ; 2.1 | 9.3 +- .6 ; 2.6 |
| 006 | 143 | 1.1 | 13.7 +- .4 ; 2.1 | 8.8 +- .6 ; 2.6 |
| 007 | 150 | 2.0 | 13.5 +- .4 ; 2.0 | 8.6 +- .6 ; 2.6 |
| 008 | 154 | 4.7 | 14.3 +- .4 ; 2.1 | 9.3 +- .6 ; 2.6 |
| 009 | 152 | 22. | 13.4 +- .4 ; 2.0 | 8.5 +- .6 ; 2.6 |
| 010 | 152 | 22. | 15.0 +- .5 ; 2.3 | 10.0 +- .6 ; 2.7 |
| 011 | 152 | 22. | 16.3 +- .5 ; 2.4 | 11.1 +- .6 ; 2.8 |
| 012 | 168 | 14. | 14.6 +- .4 ; 2.2 | 9.6 +- .6 ; 2.7 |
| 013 | 185 | 10. | 16.4 +- .5 ; 2.5 | 11.2 +- .6 ; 2.8 |
| 014 | 183 | 11. | 18.5 +- .6 ; 2.8 | 13.1 +- .7 ; 3.1 |
| 015 | 170 | 8.0 | MISSING OR DAMAGED DOSIMETER | |
| 016 | 196 | 7.0 | 15.7 +- .5 ; 2.4 | 10.6 +- .6 ; 2.8 |
| 017 | 229 | 7.9 | 14.4 +- .4 ; 2.2 | 9.4 +- .6 ; 2.7 |
| 018 | 250 | 6.6 | 14.2 +- .4 ; 2.1 | 9.3 +- .6 ; 2.6 |
| 019 | 247 | 4.8 | 15.0 +- .4 ; 2.2 | 9.9 +- .6 ; 2.7 |
| 020 | 229 | 5.0 | 15.0 +- .5 ; 2.3 | 10.0 +- .6 ; 2.7 |
| 021 | 208 | 3.8 | 14.7 +- .4 ; 2.2 | 9.7 +- .6 ; 2.7 |
| 022 | 187 | 3.8 | 14.0 +- .4 ; 2.1 | 9.1 +- .6 ; 2.6 |
| 023 | 203 | 2.6 | 14.6 +- .4 ; 2.2 | 9.6 +- .6 ; 2.7 |
| 024 | 245 | 1.9 | 14.1 +- .4 ; 2.1 | 9.1 +- .6 ; 2.6 |
| 025 | 280 | 2.2 | 15.8 +- .5 ; 2.4 | 10.6 +- .6 ; 2.8 |
| 026 | 299 | 3.1 | 15.6 +- .5 ; 2.3 | 10.5 +- .6 ; 2.8 |
| 027 | 305 | 3.8 | 15.1 +- .5 ; 2.3 | 10.0 +- .6 ; 2.7 |
| 028 | 276 | 4.0 | 14.3 +- .4 ; 2.1 | 9.3 +- .6 ; 2.6 |
| 029 | 293 | 5.8 | 15.1 +- .5 ; 2.3 | 10.1 +- .6 ; 2.7 |
| 030 | 316 | 7.7 | 15.2 +- .5 ; 2.3 | 10.1 +- .6 ; 2.7 |
| 032 | 300 | 10. | MISSING OR DAMAGED DOSIMETER | |
| 033 | 322 | 8.7 | 16.6 +- .5 ; 2.5 | 11.4 +- .6 ; 2.9 |
| 034 | 339 | 8.8 | 15.0 +- .5 ; 2.3 | 10.0 +- .6 ; 2.7 |
| 035 | 342 | 2.9 | 14.1 +- .4 ; 2.1 | 9.2 +- .6 ; 2.6 |
| 036 | 346 | 1.9 | 16.0 +- .5 ; 2.4 | 10.8 +- .6 ; 2.8 |
| 037 | 353 | 1.0 | 14.0 +- .4 ; 2.1 | 9.1 +- .6 ; 2.6 |
| 038 | 226 | 2.0 | 15.7 +- .5 ; 2.4 | 10.6 +- .6 ; 2.8 |
| TRANSIT DOSE = | 3.8 | +- .5 ; 2.1 | | |

ST.LUCIE
FOR THE PERIOD 831213-840413

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

| AZIMUTH (deg.) | NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 348.75-11.25 (N) | 9.1 +- 0.0 | 1 |
| 11.25-33.75 (NNE) | 11.5 +- 0.0 | 1 |
| 33.75-56.25 (NE) | 13.8 +- 0.0 | 1 |
| 56.25-78.75 (ENE) | NO DATA+-NO DATA | 0 |
| 78.75-101.25 (E) | 10.4 +- 0.0 | 1 |
| 101.25-123.75(ESE) | 9.3 +- 0.0 | 1 |
| 123.75-146.25(SE) | 8.8 +- 0.0 | 1 |
| 146.25-168.75(SSE) | 9.2 +- .5 | 3 |
| 168.75-191.25(S) | 11.1 +- 2.0 | 3 |
| 191.25-213.75(SSW) | 10.0 +- .6 | 3 |
| 213.75-236.25(SW) | 10.0 +- .6 | 3 |
| 236.25-258.75(WSW) | 9.4 +- .4 | 3 |
| 258.75-281.25(W) | 10.0 +- .9 | 2 |
| 281.25-303.75(WNW) | 10.3 +- .3 | 2 |
| 303.75-326.25(NW) | 10.5 +- .7 | 3 |
| 326.25-348.75(NNW) | 10.0 +- .8 | 3 |
| | | |

| DISTANCE(mi) FROM THE REACTOR | NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 0-2 | 10.2 +- 1.5 | 10 |
| 2-5 | 9.8 +- .5 | 11 |
| >5 | 10.5 +- 1.2 | 10 |
| UPWIND CONTROL DATA | 9.9 +- 1.3 | 3 |

SALEM
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 831216-840408 114 DAYS
FIELD TIME 91 DAYS

| NRC STATION | LOCATION AZIMUTH/DIST (deg.) | (mi.) | GROSS EXPOSURE(mR) +- Rdm;Tot. | NET EXPOSURE RATE mR/Std.Qtr. +- Rdm;Tot. |
|---|---|---|---|---|
| 002 | 79 | 3.4 | 17.1 +- .5 ; 2.6 | 12.4 +- .7 ; 3.3 |
| 003 | 72 | 3.6 | MISSING OR DAMAGED DOSIMETER | |
| 004 | 58 | 4.2 | 17.9 +- .5 ; 2.7 | 13.2 +- .7 ; 3.4 |
| 005 | 54 | 4.9 | 16.8 +- .5 ; 2.5 | 12.0 +- .7 ; 3.3 |
| 006 | 68 | 8.6 | 15.2 +- .5 ; 2.3 | 10.5 +- .7 ; 3.1 |
| 007 | 40 | 5.7 | 17.6 +- .5 ; 2.6 | 12.8 +- .7 ; 3.4 |
| 008 | 116 | 11. | 17.3 +- .5 ; 2.6 | 12.5 +- .7 ; 3.3 |
| 010 | 8 | 5.8 | 17.4 +- .5 ; 2.6 | 12.6 +- .7 ; 3.3 |
| 011 | 15 | 8.1 | 16.8 +- .5 ; 2.5 | 12.1 +- .7 ; 3.3 |
| 012 | 24 | 8.6 | 15.5 +- .5 ; 2.3 | 10.8 +- .7 ; 3.1 |
| 013 | 49 | 8.6 | 15.5 +- .5 ; 2.3 | 10.8 +- .7 ; 3.1 |
| 014 | 90 | 6.7 | 15.0 +- .5 ; 2.3 | 10.3 +- .7 ; 3.1 |
| 015 | 105 | 6.4 | 15.1 +- .5 ; 2.3 | 10.3 +- .7 ; 3.1 |
| TRANSIT DOSE = | 4.6 | +- .5 ; 2.1 | | |

COMMENTS:

THIS STATION TLD EXCHANGE IS DIVIDED BETWEEN THE STATES OF N.J. AND DEL. STATION 1-16 (N.J.),STATION 17-50 (DEL.)

SALEM
FOR THE PERIOD 831216-840408

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

| AZIMUTH (deg.) | NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 348.75-11.25 (N) | 12.6 +- 0.0 | 1 |
| 11.25-33.75 (NNE) | 11.4 +- .9 | 2 |
| 33.75-56.25 (NE) | 11.9 +- 1.0 | 3 |
| 56.25-78.75 (ENE) | 11.8 +- 1.9 | 2 |
| 78.75-101.25 (E) | 11.3 +- 1.5 | 2 |
| 101.25-123.75(ESE) | 11.4 +- 1.5 | 2 |
| 123.75-146.25(SE) | NO DATA+-NO DATA | 0 |
| 146.25-168.75(SSE) | NO DATA+-NO DATA | 0 |
| 168.75-191.25(S) | NO DATA+-NO DATA | 0 |
| 191.25-213.75(SSW) | NO DATA+-NO DATA | 0 |
| 213.75-236.25(SW) | NO DATA+-NO DATA | 0 |
| 236.25-258.75(WSW) | NO DATA+-NO DATA | 0 |
| 258.75-281.25(W) | NO DATA+-NO DATA | 0 |
| 281.25-303.75(WNW) | NO DATA+-NO DATA | 0 |
| 303.75-326.25(NW) | NO DATA+-NO DATA | 0 |
| 326.25-348.75(NNW) | NO DATA+-NO DATA | 0 |
| | | |

| DISTANCE(mi) FROM THE REACTOR | NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 0-2 | NO DATA+-NO DATA | 0 |
| 2-5 | 12.5 +- .6 | 3 |
| >5 | 11.4 +- 1.1 | 9 |
| UPWIND CONTROL DATA | NO DATA | NO DATA |

SALEM
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 831216-840408 114 DAYS
FIELD TIME 91 DAYS

| NRC STATION | LOCATION AZIMUTH/DIST (deg.) | (mi.) | GROSS EXPOSURE(mR) +- Rdm;Tot. | | | NET EXPOSURE RATE mR/Std.Qtr. +- Rdm;Tot. |
|---|---|---|---|---|---|---|
| 017 | 331 | 4.2 | 20.7 +- | .6 ; | 3.1 | NO NET DATA |
| 018 | 320 | 3.8 | 15.9 +- | .5 ; | 2.4 | NO NET DATA |
| 019 | 299 | 3.4 | 18.3 +- | .5 ; | 2.7 | NO NET DATA |
| 021 | 276 | 3.6 | 20.1 +- | .6 ; | 3.0 | NO NET DATA |
| 022 | 266 | 4.7 | 19.8 +- | .6 ; | 3.0 | NO NET DATA |
| 023 | 257 | 4.4 | 19.7 +- | .6 ; | 3.0 | NO NET DATA |
| 024 | 240 | 4.4 | 20.0 +- | .6 ; | 3.0 | NO NET DATA |
| 025 | 217 | 4.9 | 19.8 +- | .6 ; | 3.0 | NO NET DATA |
| 026 | 204 | 3.9 | 18.2 +- | .5 ; | 2.7 | NO NET DATA |
| 027 | 188 | 4.2 | 20.0 +- | .6 ; | 3.0 | NO NET DATA |
| 028 | 319 | 20 | 22.0 +- | .7 ; | 3.3 | NO NET DATA |
| 029 | 265 | 6.7 | 17.2 +- | .5 ; | 2.6 | NO NET DATA |
| 030 | 353 | 12. | 18.9 +- | .6 ; | 2.8 | NO NET DATA |
| 031 | 0 | 18 | 19.5 +- | .6 ; | 2.9 | NO NET DATA |
| 032 | 338 | 8.1 | 17.4 +- | .5 ; | 2.6 | NO NET DATA |
| 033 | 265 | 9.8 | 19.6 +- | .6 ; | 2.9 | NO NET DATA |
| 034 | 270 | 13. | 19.4 +- | .6 ; | 2.9 | NO NET DATA |

NO TRANSIT DOSE CALCULATED (TLD CONTROLS MISSING OR OTHERWISE NOT COMPLETE)

COMMENTS:

THIS STATION TLD EXCHANGE IS DIVIDED BETWEEN THE STATES OF N.J. AND DEL. STATION 1-16 (N.J.),STATION 17-50 (DEL.)

SALEM
FOR THE PERIOD 831216-840408

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

| AZIMUTH (deg.) | AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 348.75-11.25 (N) | NO DATA+-NO DATA | 0 |
| 11.25-33.75 (NNE) | NO DATA+-NO DATA | 0 |
| 33.75-56.25 (NE) | NO DATA+-NO DATA | 0 |
| 56.25-78.75 (ENE) | NO DATA+-NO DATA | 0 |
| 78.75-101.25 (E) | NO DATA+-NO DATA | 0 |
| 101.25-123.75(ESE) | NO DATA+-NO DATA | 0 |
| 123.75-146.25(SE) | NO DATA+-NO DATA | 0 |
| 146.25-168.75(SSE) | NO DATA+-NO DATA | 0 |
| 168.75-191.25(S) | 15.8 +- 0.0 | 1 |
| 191.25-213.75(SSW) | 14.3 +- 0.0 | 1 |
| 213.75-236.25(SW) | 15.6 +- 0.0 | 1 |
| 236.25-258.75(WSW) | 15.7 +- .1 | 2 |
| 258.75-281.25(W) | 15.2 +- .9 | 5 |
| 281.25-303.75(WNW) | 14.4 +- 0.0 | 1 |
| 303.75-326.25(NW) | 12.5 +- 0.0 | 1 |
| 326.25-348.75(NNW) | 15.0 +- 1.8 | 2 |
| | | |

| DISTANCE(mi) FROM THE REACTOR | AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 0-2 | NO DATA+-NO DATA | 0 |
| 2-5 | 15.2 +- 1.1 | 10 |
| >5 | 14.5 +- 1.0 | 4 |
| UPWIND CONTROL DATA | 15.9 +- 1.3 | 3 |

SAN ONOFRE
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 831208-840504 148 DAYS
FIELD TIME 75 DAYS

| NRC STATION | LOCATION AZIMUTH/DIST (deg.) | (mi.) | GROSS EXPOSURE(mR) +- Rdm;Tot. | NET EXPOSURE RATE mR/Std.Qtr. +- Rdm;Tot. |
|---|---|---|---|---|
| 001 | 346 | 35. | 28.7 +- .9 ; 4.3 | NO NET DATA |
| 002 | 346 | 35. | 27.0 +- .8 ; 4.0 | NO NET DATA |
| 003 | 346 | 35. | 28.7 +- .9 ; 4.3 | NO NET DATA |
| 004 | 327 | 11. | 22.7 +- .7 ; 3.4 | NO NET DATA |
| 005 | 308 | 14. | 25.4 +- .8 ; 3.8 | NO NET DATA |
| 006 | 307 | 10. | 23.1 +- .7 ; 3.5 | NO NET DATA |
| 007 | 318 | 6.3 | 23.8 +- .7 ; 3.6 | NO NET DATA |
| 008 | 322 | 5.1 | 25.7 +- .8 ; 3.8 | NO NET DATA |
| 009 | 311 | 3.3 | MISSING OR DAMAGED DOSIMETER | |
| 010 | 331 | 3.3 | 25.3 +- .8 ; 3.8 | NO NET DATA |
| 011 | 300 | 2.6 | MISSING OR DAMAGED DOSIMETER | |
| 012 | 285 | 0.5 | 26.4 +- .8 ; 4.0 | NO NET DATA |
| 013 | 320 | 2.4 | 23.5 +- .7 ; 3.5 | NO NET DATA |
| 014 | 320 | 1.7 | 23.4 +- .7 ; 3.5 | NO NET DATA |
| 015 | 333 | 1.2 | MISSING OR DAMAGED DOSIMETER | |
| 016 | 30 | 1.9 | 25.9 +- .8 ; 3.9 | NO NET DATA |
| 017 | 8 | 1.3 | 21.6 +- .6 ; 3.2 | NO NET DATA |
| 019 | 55 | 2.9 | 24.6 +- .7 ; 3.7 | NO NET DATA |
| 020 | 77 | 4.1 | 25.2 +- .8 ; 3.8 | NO NET DATA |
| 021 | 87 | 4.7 | 25.8 +- .8 ; 3.9 | NO NET DATA |
| 022 | 25 | 3.4 | 28.4 +- .9 ; 4.3 | NO NET DATA |
| 023 | 357 | 3.5 | 27.1 +- .8 ; 4.1 | NO NET DATA |
| 024 | 25 | 0.4 | 23.6 +- .7 ; 3.5 | NO NET DATA |
| 025 | 81 | 0.4 | 23.1 +- .7 ; 3.5 | NO NET DATA |
| 026 | 126 | 2.1 | 23.1 +- .7 ; 3.5 | NO NET DATA |
| 027 | 130 | 8.6 | 22.2 +- .7 ; 3.3 | NO NET DATA |
| 028 | 99 | 8.9 | 21.6 +- .6 ; 3.2 | NO NET DATA |
| 029 | 135 | 11. | 21.5 +- .6 ; 3.2 | NO NET DATA |
| 030 | 126 | 2.0 | 19.1 +- .6 ; 2.9 | NO NET DATA |
| 031 | 128 | 3.7 | 18.5 +- .6 ; 2.8 | NO NET DATA |
| 032 | 140 | 22. | 22.6 +- .7 ; 3.4 | NO NET DATA |
| 033 | 120 | 26. | 20.9 +- .6 ; 3.1 | NO NET DATA |

NO TRANSIT DOSE CALCULATED (TLD CONTROLS MISSING OR OTHERWISE NOT COMPLETE)

SAN ONOFRE
FOR THE PERIOD 831208-840504

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

| AZIMUTH (deg.) | AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 348.75-11.25 (N) | 14.8 +- 2.3 | 2 |
| 11.25-33.75 (NNE) | 15.8 +- 1.5 | 3 |
| 33.75-56.25 (NE) | 15.0 +- 0.0 | 1 |
| 56.25-78.75 (ENE) | 15.3 +- 0.0 | 1 |
| 78.75-101.25 (E) | 14.3 +- 1.3 | 3 |
| 101.25-123.75(ESE) | 12.7 +- 0.0 | 1 |
| 123.75-146.25(SE) | 12.9 +- 1.2 | 6 |
| 146.25-168.75(SSE) | NO DATA+-NO DATA | 0 |
| 168.75-191.25(S) | NO DATA+-NO DATA | 0 |
| 191.25-213.75(SSW) | NO DATA+-NO DATA | 0 |
| 213.75-236.25(SW) | NO DATA+-NO DATA | 0 |
| 236.25-258.75(WSW) | NO DATA+-NO DATA | 0 |
| 258.75-281.25(W) | NO DATA+-NO DATA | 0 |
| 281.25-303.75(WNW) | 16.1 +- 0.0 | 1 |
| 303.75-326.25(NW) | 14.7 +- .7 | 6 |
| 326.25-348.75(NNW) | 14.6 +- 1.1 | 2 |
| | | |

| DISTANCE(mi) FROM THE REACTOR | AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 0-2 | 14.2 +- 1.5 | 7 |
| 2-5 | 14.9 +- 1.7 | 9 |
| >5 | 13.8 +- 1.0 | 10 |
| UPWIND CONTROL DATA | 17.1 +- .6 | 3 |

SEABROOK
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 831216-840412 118 DAYS
FIELD TIME 98 DAYS

| NRC STATION | LOCATION AZIMUTH/DIST (deg.) | (mi.) | GROSS EXPOSURE(mR) +- Rdm;Tot. | | | NET EXPOSURE RATE mR/Std.Qtr. +- Rdm;Tot. | | | |
|---|---|---|---|---|---|---|---|---|---|
| 001 | 157 | .7 | 20.4 +- | .6 ; | 3.1 | 15.0 +- | .7 ; | 3.3 | |
| 002 | 179 | .7 | 19.8 +- | .6 ; | 3.0 | 14.4 +- | .7 ; | 3.3 | |
| 003 | 199 | .7 | 18.5 +- | .6 ; | 2.8 | 13.3 +- | .7 ; | 3.1 | |
| 004 | 223 | .9 | 20.2 +- | .6 ; | 3.0 | 14.8 +- | .7 ; | 3.3 | |
| 005 | 244 | 1.2 | 19.8 +- | .6 ; | 3.0 | 14.4 +- | .7 ; | 3.3 | |
| 006 | 293 | 1 | 19.8 +- | .6 ; | 3.0 | 14.4 +- | .7 ; | 3.3 | |
| 007 | 275 | .5 | 18.7 +- | .6 ; | 2.8 | 13.5 +- | .7 ; | 3.2 | |
| 008 | 317 | 2.8 | 19.3 +- | .6 ; | 2.9 | 14.0 +- | .7 ; | 3.2 | |
| 009 | 331 | 1.6 | 24.3 +- | .7 ; | 3.6 | 18.6 +- | .8 ; | 3.8 | |
| 010 | 358 | 1.9 | 19.4 +- | .6 ; | 2.9 | 14.1 +- | .7 ; | 3.2 | |
| 011 | 20 | 2.6 | 20.1 +- | .6 ; | 3.0 | 14.7 +- | .7 ; | 3.3 | |
| 012 | 50 | 2.1 | 19.3 +- | .6 ; | 2.9 | 14.0 +- | .7 ; | 3.2 | |
| 013 | 82 | 1.7 | 19.9 +- | .6 ; | 3.0 | 14.6 +- | .7 ; | 3.3 | |
| 014 | 43 | 4.1 | 20.1 +- | .6 ; | 3.0 | 14.7 +- | .7 ; | 3.3 | |
| 015 | 0 | 4 | 20.1 +- | .6 ; | 3.0 | 14.7 +- | .7 ; | 3.3 | |
| 016 | 20 | 12. | 20.7 +- | .6 ; | 3.1 | 15.3 +- | .7 ; | 3.4 | |
| 017 | 322 | 7.3 | 22.4 +- | .7 ; | 3.4 | 16.9 +- | .7 ; | 3.6 | |
| 018 | 292 | 3.9 | 21.0 +- | .6 ; | 3.1 | 15.5 +- | .7 ; | 3.4 | |
| 019 | 269 | 9.9 | 20.7 +- | .6 ; | 3.1 | 15.3 +- | .7 ; | 3.4 | |
| 020 | 253 | 4.2 | MISSING OR DAMAGED DOSIMETER | | | | | | |
| 021 | 232 | 4.7 | 19.8 +- | .6 ; | 3.0 | 14.4 +- | .7 ; | 3.3 | |
| 022 | 213 | 6.1 | 22.3 +- | .7 ; | 3.3 | 16.7 +- | .7 ; | 3.6 | |
| 023 | 189 | 6.6 | 21.6 +- | .6 ; | 3.2 | 16.1 +- | .7 ; | 3.5 | |
| 024 | 166 | 7.2 | 19.0 +- | .6 ; | 2.8 | 13.7 +- | .7 ; | 3.2 | |
| 025 | 177 | 4.1 | 19.8 +- | .6 ; | 3.0 | 14.5 +- | .7 ; | 3.3 | |
| 026 | 159 | 4 | 19.3 +- | .6 ; | 2.9 | 14.0 +- | .7 ; | 3.2 | |
| 027 | 138 | 2.4 | 20.4 +- | .6 ; | 3.1 | 15.0 +- | .7 ; | 3.3 | |
| 028 | 117 | 4.4 | 19.0 +- | .6 ; | 2.9 | 13.7 +- | .7 ; | 3.2 | |
| 030 | 66 | 2.1 | 20.0 +- | .6 ; | 3.0 | 14.7 +- | .7 ; | 3.3 | |
| 031 | 336 | 5.4 | 21.5 +- | .6 ; | 3.2 | 16.0 +- | .7 ; | 3.5 | |
| 032 | 237 | 18. | 22.7 +- | .7 ; | 3.4 | 17.1 +- | .8 ; | 3.6 | |
| 033 | 237 | 18. | 20.7 +- | .6 ; | 3.1 | 15.3 +- | .7 ; | 3.4 | |
| 034 | 237 | 18. | 20.8 +- | .6 ; | 3.1 | 15.4 +- | .7 ; | 3.4 | |

TRANSIT DOSE = 4.0 +- .5 ; 2.0

SEABROOK
FOR THE PERIOD 831216-840412

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

| AZIMUTH (deg.) | NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 348.75-11.25 (N) | 14.4 +- .4 | 2 |
| 11.25-33.75 (NNE) | 15.0 +- .4 | 2 |
| 33.75-56.25 (NE) | 14.4 +- .5 | 2 |
| 56.25-78.75 (ENE) | 14.7 +- 0.0 | 1 |
| 78.75-101.25 (E) | 14.6 +- 0.0 | 1 |
| 101.25-123.75(ESE) | 13.7 +- 0.0 | 1 |
| 123.75-146.25(SE) | 15.0 +- 0.0 | 1 |
| 146.25-168.75(SSE) | 14.2 +- .7 | 3 |
| 168.75-191.25(S) | 15.0 +- 1.0 | 3 |
| 191.25-213.75(SSW) | 15.0 +- 2.4 | 2 |
| 213.75-236.25(SW) | 14.6 +- .3 | 2 |
| 236.25-258.75(WSW) | 14.4 +- 0.0 | 1 |
| 258.75-281.25(W) | 14.4 +- 1.3 | 2 |
| 281.25-303.75(WNW) | 15.0 +- .8 | 2 |
| 303.75-326.25(NW) | 15.4 +- 2.0 | 2 |
| 326.25-348.75(NNW) | 17.3 +- 1.8 | 2 |
| | | |

| DISTANCE(mi) FROM THE REACTOR | NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 0-2 | 14.7 +- 1.5 | 10 |
| 2-5 | 14.5 +- .5 | 12 |
| >5 | 15.7 +- 1.1 | 7 |
| UPWIND CONTROL DATA | 15.9 +- 1.0 | 3 |

SEQUOYAH
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 831214-840427 135 DAYS
FIELD TIME 105 DAYS

| NRC STATION | LOCATION AZIMUTH/DIST (deg.) | (mi.) | GROSS EXPOSURE(mR) +- Rdm;Tot. | NET EXPOSURE RATE mR/Std.Qtr. +- Rdm;Tot. |
|---|---|---|---|---|
| 001 | 218 | 11. | MISSING OR DAMAGED DOSIMETER | |
| 002 | 206 | 13. | 18.4 +- .6 ; 2.8 | 13.2 +- .6 ; 2.9 |
| 003 | 203 | 3.9 | 24.8 +- .7 ; 3.7 | 18.8 +- .7 ; 3.6 |
| 004 | 199 | 2.0 | 22.3 +- .7 ; 3.3 | 16.6 +- .7 ; 3.3 |
| 005 | 181 | 1.4 | 27.6 +- .8 ; 4.1 | 21.1 +- .8 ; 3.9 |
| 006 | 153 | 1.5 | 19.5 +- .6 ; 2.9 | 14.2 +- .6 ; 3.0 |
| 007 | 139 | 1.9 | 17.8 +- .5 ; 2.7 | 12.8 +- .6 ; 2.8 |
| 008 | 115 | 1.8 | MISSING OR DAMAGED DOSIMETER | |
| 009 | 84 | 1.6 | 18.6 +- .6 ; 2.8 | 13.4 +- .6 ; 2.9 |
| 010 | 66 | 1.3 | 19.0 +- .6 ; 2.8 | 13.7 +- .6 ; 2.9 |
| 011 | 45 | 1.5 | 21.5 +- .6 ; 3.2 | 15.9 +- .7 ; 3.2 |
| 012 | 14 | 2.5 | 22.6 +- .7 ; 3.4 | 16.9 +- .7 ; 3.3 |
| 013 | 2.0 | 2.1 | 23.2 +- .7 ; 3.5 | 17.4 +- .7 ; 3.4 |
| 014 | 19 | 3.9 | 19.2 +- .6 ; 2.9 | 14.0 +- .6 ; 3.0 |
| 015 | 48 | 4.0 | 18.4 +- .6 ; 2.8 | 13.3 +- .6 ; 2.9 |
| 016 | 65 | 4.9 | 19.8 +- .6 ; 3.0 | 14.5 +- .6 ; 3.0 |
| 017 | 90 | 3.9 | 21.4 +- .6 ; 3.2 | 15.8 +- .7 ; 3.2 |
| 018 | 111 | 3.4 | 19.2 +- .6 ; 2.9 | 14.0 +- .6 ; 3.0 |
| 019 | 135 | 3.4 | 19.6 +- .6 ; 2.9 | 14.3 +- .6 ; 3.0 |
| 020 | 158 | 3.4 | 16.6 +- .5 ; 2.5 | 11.7 +- .6 ; 2.7 |
| 021 | 184 | 4.6 | MISSING OR DAMAGED DOSIMETER | |
| 022 | 233 | 10. | 18.6 +- .6 ; 2.8 | 13.4 +- .6 ; 2.9 |
| 023 | 219 | 4.9 | 20.3 +- .6 ; 3.0 | 14.9 +- .6 ; 3.1 |
| 024 | 241 | 4.3 | 19.3 +- .6 ; 2.9 | 14.0 +- .6 ; 3.0 |
| 025 | 235 | 2.0 | MISSING OR DAMAGED DOSIMETER | |
| 026 | 248 | 1.5 | MISSING OR DAMAGED DOSIMETER | |
| 027 | 266 | 1.2 | 18.0 +- .5 ; 2.7 | 12.9 +- .6 ; 2.8 |
| 028 | 291 | 1.2 | 19.5 +- .6 ; 2.9 | 14.2 +- .6 ; 3.0 |
| 029 | 309 | 1.2 | 20.1 +- .6 ; 3.0 | 14.7 +- .6 ; 3.0 |
| 030 | 330 | 0.5 | 20.5 +- .6 ; 3.1 | 15.1 +- .6 ; 3.1 |
| 031 | 339 | 1.8 | 20.7 +- .6 ; 3.1 | 15.2 +- .7 ; 3.1 |
| 032 | 355 | 4.9 | 17.9 +- .5 ; 2.7 | 12.8 +- .6 ; 2.8 |
| 033 | 334 | 3.6 | 17.8 +- .5 ; 2.7 | 12.8 +- .6 ; 2.8 |
| 034 | 317 | 4.4 | 17.3 +- .5 ; 2.6 | 12.3 +- .6 ; 2.8 |
| 035 | 277 | 5.6 | 19.9 +- .6 ; 3.0 | 14.6 +- .6 ; 3.0 |
| 036 | 283 | 3.6 | 18.1 +- .5 ; 2.7 | 13.0 +- .6 ; 2.8 |
| 037 | 273 | 4.4 | 18.7 +- .6 ; 2.8 | 13.5 +- .6 ; 2.9 |
| 038 | 302 | 19. | 18.4 +- .6 ; 2.8 | 13.3 +- .6 ; 2.9 |
| 039 | 290 | 18 | 19.9 +- .6 ; 3.0 | 14.5 +- .6 ; 3.0 |
| 040 | 289 | 18 | 19.8 +- .6 ; 3.0 | 14.4 +- .6 ; 3.0 |
| 041 | 318 | 6.1 | 19.3 +- .6 ; 2.9 | 14.0 +- .6 ; 3.0 |
| TRANSIT DOSE = | | | 2.9 +- .4 ; 1.9 | |

SEQUOYAH
FOR THE PERIOD 831214-840427

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

| AZIMUTH (deg.) | NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 348.75-11.25 (N) | 15.1 +- 3.2 | 2 |
| 11.25-33.75 (NNE) | 15.4 +- 2.1 | 2 |
| 33.75-56.25 (NE) | 14.6 +- 1.8 | 2 |
| 56.25-78.75 (ENE) | 14.1 +- .5 | 2 |
| 78.75-101.25 (E) | 14.6 +- 1.7 | 2 |
| 101.25-123.75(ESE) | 14.0 +- 0.0 | 1 |
| 123.75-146.25(SE) | 13.5 +- 1.1 | 2 |
| 146.25-168.75(SSE) | 12.8 +- 1.7 | 2 |
| 168.75-191.25(S) | 21.1 +- 0.0 | 1 |
| 191.25-213.75(SSW) | 16.2 +- 2.8 | 3 |
| 213.75-236.25(SW) | 14.1 +- 1.0 | 2 |
| 236.25-258.75(WSW) | 14.0 +- 0.0 | 1 |
| 258.75-281.25(W) | 13.7 +- .8 | 3 |
| 281.25-303.75(WNW) | 13.6 +- .8 | 2 |
| 303.75-326.25(NW) | 13.7 +- 1.2 | 3 |
| 326.25-348.75(NNW) | 14.3 +- 1.4 | 3 |
| | | |

| DISTANCE(mi) FROM THE REACTOR | NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 0-2 | 15.1 +- 2.2 | 13 |
| 2-5 | 14.2 +- 1.8 | 16 |
| >5 | 13.8 +- .6 | 4 |
| UPWIND CONTROL DATA | 14.1 +- .7 | 3 |

SHOREHAM
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 831215-840420 127 DAYS
FIELD TIME 76 DAYS

| NRC STATION | LOCATION AZIMUTH/DIST (deg.) | (mi.) | GROSS EXPOSURE(mR) +- Rdm; Tot. | | | NET EXPOSURE RATE mR/Std.Qtr. +- Rdm; Tot. | | |
|---|---|---|---|---|---|---|---|---|
| 001 | 262 | 10 | 18.4 +- | .6 ; | 2.8 | 13.2 +- | .8 ; | 4.1 |
| 002 | 268 | 4.4 | 19.3 +- | .6 ; | 2.9 | 14.3 +- | .9 ; | 4.2 |
| 003 | 256 | 3.2 | 18.7 +- | .6 ; | 2.8 | 13.6 +- | .9 ; | 4.1 |
| 004 | 268 | 2.1 | 18.4 +- | .6 ; | 2.8 | 13.3 +- | .8 ; | 4.1 |
| 005 | 243 | 1.7 | 18.9 +- | .6 ; | 2.8 | 13.9 +- | .9 ; | 4.2 |
| 007 | 136 | 1.5 | 17.3 +- | .5 ; | 2.6 | 11.9 +- | .8 ; | 3.9 |
| 008 | 116 | 0.9 | 20.3 +- | .6 ; | 3.0 | 15.5 +- | .9 ; | 4.3 |
| 009 | 910 | 0.8 | 18.0 +- | .5 ; | 2.7 | 12.8 +- | .8 ; | 4.0 |
| 010 | 730 | 0.7 | 17.5 +- | .5 ; | 2.6 | 12.2 +- | .8 ; | 3.9 |
| 011 | 62. | 0.7 | 17.3 +- | .5 ; | 2.6 | 12.0 +- | .8 ; | 3.9 |
| 012 | 75 | 1.6 | 17.6 +- | .5 ; | 2.6 | 12.3 +- | .8 ; | 4.0 |
| 013 | 88 | 2.1 | 18.7 +- | .6 ; | 2.8 | 13.6 +- | .9 ; | 4.1 |
| 014 | 119 | 4.6 | 17.5 +- | .5 ; | 2.6 | 12.2 +- | .8 ; | 3.9 |
| 015 | 110 | 10. | 18.9 +- | .6 ; | 2.8 | 13.9 +- | .9 ; | 4.2 |
| 016 | 138 | 14. | 18.3 +- | .5 ; | 2.7 | 13.2 +- | .8 ; | 4.1 |
| 017 | 162 | 11. | 17.3 +- | .5 ; | 2.6 | 12.0 +- | .8 ; | 3.9 |
| 018 | 170 | 11. | 17.8 +- | .5 ; | 2.7 | 12.6 +- | .8 ; | 4.0 |
| 019 | 189 | 5.1 | 18.8 +- | .6 ; | 2.8 | 13.7 +- | .9 ; | 4.1 |
| 021 | 163 | 2.5 | 17.3 +- | .5 ; | 2.6 | 12.0 +- | .8 ; | 3.9 |
| 022 | 149 | 1.5 | 18.7 +- | .6 ; | 2.8 | 13.6 +- | .9 ; | 4.1 |
| 023 | 177 | 1.3 | 18.9 +- | .6 ; | 2.8 | 13.8 +- | .9 ; | 4.1 |
| 024 | 196 | 1.2 | 17.9 +- | .5 ; | 2.7 | 12.6 +- | .8 ; | 4.0 |
| 025 | 217 | 1.5 | 18.9 +- | .6 ; | 2.8 | 13.9 +- | .9 ; | 4.2 |
| 026 | 215 | 4.6 | 16.2 +- | .5 ; | 2.4 | 10.6 +- | .8 ; | 3.8 |
| 027 | 205 | 4.2 | 19.3 +- | .6 ; | 2.9 | 14.4 +- | .9 ; | 4.2 |
| 028 | 233 | 11 | 17.4 +- | .5 ; | 2.6 | 12.0 +- | .8 ; | 3.9 |
| 029 | 224 | 12. | 17.5 +- | .5 ; | 2.6 | 12.2 +- | .8 ; | 4.0 |
| 030 | 202 | 14. | 18.3 +- | .5 ; | 2.7 | 13.2 +- | .8 ; | 4.1 |
| 031 | 210 | 15. | 17.6 +- | .5 ; | 2.6 | 12.3 +- | .8 ; | 4.0 |
| 032 | 210 | 15. | 17.9 +- | .5 ; | 2.7 | 12.7 +- | .8 ; | 4.0 |
| 033 | 210 | 15. | 17.7 +- | .5 ; | 2.6 | 12.4 +- | .8 ; | 4.0 |
| 034 | 27 | .2 | MISSING OR DAMAGED DOSIMETER | | | | | |
| 035 | 50 | .3 | MISSING OR DAMAGED DOSIMETER | | | | | |
| 036 | 133 | 3.9 | 19.1 +- | .6 ; | 2.9 | 14.1 +- | .9 ; | 4.2 |

TRANSIT DOSE = 7.2 +- .5 ; 2.1

SHOREHAM
FOR THE PERIOD 831215-840420

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

| AZIMUTH (deg.) | NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 348.75-11.25 (N) | 12.5 +- .4 | 2 |
| 11.25-33.75 (NNE) | NO DATA+-NO DATA | 0 |
| 33.75-56.25 (NE) | NO DATA+-NO DATA | 0 |
| 56.25-78.75 (ENE) | 12.2 +- .3 | 2 |
| 78.75-101.25 (E) | 13.6 +- 0.0 | 1 |
| 101.25-123.75(ESE) | 13.8 +- 1.7 | 3 |
| 123.75-146.25(SE) | 13.1 +- 1.1 | 3 |
| 146.25-168.75(SSE) | 12.5 +- .9 | 3 |
| 168.75-191.25(S) | 13.4 +- .7 | 3 |
| 191.25-213.75(SSW) | 13.4 +- .9 | 3 |
| 213.75-236.25(SW) | 12.2 +- 1.3 | 4 |
| 236.25-258.75(WSW) | 13.7 +- .2 | 2 |
| 258.75-281.25(W) | 13.6 +- .6 | 3 |
| 281.25-303.75(WNW) | NO DATA+-NO DATA | 0 |
| 303.75-326.25(NW) | NO DATA+-NO DATA | 0 |
| 326.25-348.75(NNW) | NO DATA+-NO DATA | 0 |
| | | |

| DISTANCE(mi) FROM THE REACTOR | NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 0-2 | 13.1 +- 1.1 | 11 |
| 2-5 | 13.1 +- 1.3 | 9 |
| >5 | 12.8 +- .7 | 9 |
| UPWIND CONTROL DATA | 12.5 +- .2 | 3 |

SUMMER
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 831213-840504 143 DAYS
FIELD TIME 98 DAYS

| NRC STATION | LOCATION AZIMUTH (deg.) | DIST (mi.) | GROSS EXPOSURE(mR) +- Rdm;Tot. | NET EXPOSURE RATE mR/Std.Qtr. +- Rdm;Tot. |
|---|---|---|---|---|
| 001 | 199 | 3.7 | MISSING OR DAMAGED DOSIMETER | |
| 002 | 111 | 1.0 | 25.6 +- .8 ; 3.8 | 19.6 +- .8 ; 4.1 |
| 003 | 340 | 4.1 | MISSING OR DAMAGED DOSIMETER | |
| 004 | 192 | 9.3 | 25.9 +- .8 ; 3.9 | 19.9 +- .8 ; 4.1 |
| 005 | 72 | 1.8 | 28.3 +- .8 ; 4.2 | 22.1 +- .9 ; 4.4 |
| 006 | 54 | 1.5 | 25.1 +- .8 ; 3.8 | 19.2 +- .8 ; 4.0 |
| 007 | 46 | 3.0 | 31.7 +- 1.0 ; 4.8 | 25.3 +- 1.0 ; 4.8 |
| 008 | 31 | 3.0 | MISSING OR DAMAGED DOSIMETER | |
| 009 | 13 | 3.9 | 31.9 +- 1.0 ; 4.8 | 25.4 +- 1.0 ; 4.8 |
| 010 | 7 | 4.0 | 31.5 +- .9 ; 4.7 | 25.0 +- 1.0 ; 4.8 |
| 011 | 349 | 4.3 | 25.3 +- .8 ; 3.8 | 19.4 +- .8 ; 4.0 |
| 012 | 323 | 5.0 | MISSING OR DAMAGED DOSIMETER | |
| 013 | 333 | 3.0 | 29.4 +- .9 ; 4.4 | 23.1 +- .9 ; 4.5 |
| 014 | 255 | 2.8 | 20.0 +- .6 ; 3.0 | 14.5 +- .7 ; 3.4 |
| 015 | 308 | 5.6 | 28.3 +- .8 ; 4.2 | 22.1 +- .9 ; 4.4 |
| 016 | 64 | 3.5 | 28.4 +- .9 ; 4.3 | 22.2 +- .9 ; 4.4 |
| 017 | 98 | 3.1 | 27.7 +- .8 ; 4.2 | 21.6 +- .9 ; 4.3 |
| 018 | 114 | 3.5 | 26.9 +- .8 ; 4.0 | 20.8 +- .9 ; 4.2 |
| 019 | 132 | 2.0 | 26.5 +- .8 ; 4.0 | 20.4 +- .9 ; 4.2 |
| 020 | 152 | 4.5 | 18.9 +- .6 ; 2.8 | 13.5 +- .7 ; 3.3 |
| 021 | 133 | 4.1 | 19.7 +- .6 ; 3.0 | 14.2 +- .7 ; 3.4 |
| 022 | 157 | 2.4 | 22.1 +- .7 ; 3.3 | 16.4 +- .8 ; 3.6 |
| 023 | 173 | 2.4 | 23.6 +- .7 ; 3.5 | 17.8 +- .8 ; 3.8 |
| 024 | 185 | 3.9 | 23.5 +- .7 ; 3.5 | 17.7 +- .8 ; 3.8 |
| 025 | 210 | 3.3 | 23.2 +- .7 ; 3.5 | 17.5 +- .8 ; 3.8 |
| 026 | 217 | 3.3 | 20.7 +- .6 ; 3.1 | 15.1 +- .7 ; 3.5 |
| 027 | 231 | 3.1 | 20.8 +- .6 ; 3.1 | 15.2 +- .7 ; 3.5 |
| 028 | 267 | 2.7 | 25.8 +- .8 ; 3.9 | 19.8 +- .8 ; 4.1 |
| 029 | 276 | 3.4 | 26.0 +- .8 ; 3.9 | 20.0 +- .8 ; 4.1 |
| 030 | 293 | 3.8 | 28.7 +- .9 ; 4.3 | 22.5 +- .9 ; 4.4 |
| 031 | 244 | 3.6 | 22.5 +- .7 ; 3.4 | 16.8 +- .8 ; 3.7 |
| 032 | 247 | 6.2 | 25.4 +- .8 ; 3.8 | 19.5 +- .8 ; 4.0 |
| 033 | 218 | 9.0 | 24.7 +- .7 ; 3.7 | 18.8 +- .8 ; 4.0 |
| 034 | 192 | 9.3 | 21.9 +- .7 ; 3.3 | 16.3 +- .8 ; 3.6 |
| 035 | 184 | 14. | 20.1 +- .6 ; 3.0 | 14.6 +- .7 ; 3.4 |
| 036 | 183 | 14. | 19.4 +- .6 ; 2.9 | 13.9 +- .7 ; 3.3 |
| 037 | 182 | 14. | 19.3 +- .6 ; 2.9 | 13.8 +- .7 ; 3.3 |
| 038 | 148 | 20. | 27.1 +- .8 ; 4.1 | 21.0 +- .9 ; 4.2 |
| 039 | 140 | 25. | 25.2 +- .8 ; 3.8 | 19.2 +- .8 ; 4.0 |
| 040 | 135 | 23. | 29.5 +- .9 ; 4.4 | 23.2 +- .9 ; 4.5 |

TRANSIT DOSE = 4.2 +- .5 ; 2.2

SUMMER
FOR THE PERIOD 831213-840504

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

| AZIMUTH (deg.) | NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 348.75-11.25 (N) | 22.2 +- 4.0 | 2 |
| 11.25-33.75 (NNE) | 25.4 +- 0.0 | 1 |
| 33.75-56.25 (NE) | 22.2 +- 4.3 | 2 |
| 56.25-78.75 (ENE) | 22.2 +- .0 | 2 |
| 78.75-101.25 (E) | 21.6 +- 0.0 | 1 |
| 101.25-123.75(ESE) | 20.2 +- .9 | 2 |
| 123.75-146.25(SE) | 19.3 +- 3.7 | 4 |
| 146.25-168.75(SSE) | 17.0 +- 3.8 | 3 |
| 168.75-191.25(S) | 17.7 +- .0 | 2 |
| 191.25-213.75(SSW) | 17.9 +- 1.8 | 3 |
| 213.75-236.25(SW) | 16.4 +- 2.1 | 3 |
| 236.25-258.75(WSW) | 16.9 +- 2.5 | 3 |
| 258.75-281.25(W) | 19.9 +- .1 | 2 |
| 281.25-303.75(WNW) | 22.5 +- 0.0 | 1 |
| 303.75-326.25(NW) | 22.1 +- 0.0 | 1 |
| 326.25-348.75(NNW) | 23.1 +- 0.0 | 1 |
| | | |

| DISTANCE(mi) FROM THE REACTOR | NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 0-2 | 20.3 +- 1.3 | 4 |
| 2-5 | 19.2 +- 3.8 | 21 |
| >5 | 20.0 +- 2.1 | 8 |
| UPWIND CONTROL DATA | 14.1 +- .4 | 3 |

SURRY
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 831214-840411 119 DAYS
FIELD TIME 84 DAYS

| NRC STATION | LOCATION AZIMUTH/DIST (deg.) | (mi.) | GROSS EXPOSURE(mR) +- Rdm;Tot. | NET EXPOSURE RATE mR/Std.Qtr. +- Rdm;Tot. |
|---|---|---|---|---|
| 001 | 118 | 18. | 17.9 +- .5 ; 2.7 | 13.4 +- .7 ; 3.5 |
| 002 | 129 | 17. | MISSING OR DAMAGED DOSIMETER | |
| 003 | 162 | 16. | 18.6 +- .6 ; 2.8 | 14.2 +- .7 ; 3.6 |
| 004 | 162 | 16. | 14.4 +- .4 ; 2.2 | 9.7 +- .6 ; 3.1 |
| 005 | 156 | 5.1 | 19.6 +- .6 ; 2.9 | 15.3 +- .8 ; 3.7 |
| 006 | 189 | 4.1 | 16.3 +- .5 ; 2.4 | 11.8 +- .7 ; 3.3 |
| 007 | 202 | 2.2 | 15.6 +- .5 ; 2.3 | 11.0 +- .7 ; 3.2 |
| 008 | 193 | 1.6 | 18.3 +- .5 ; 2.7 | 13.9 +- .7 ; 3.5 |
| 009 | 243 | 0.2 | 21.7 +- .6 ; 3.2 | 17.5 +- .8 ; 4.0 |
| 010 | 269 | 0.1 | 25.5 +- .8 ; 3.8 | 21.6 +- .9 ; 4.6 |
| 011 | 304 | 0.1 | 27.1 +- .8 ; 4.1 | 23.4 +- 1.0 ; 4.8 |
| 012 | 334 | 0.2 | 24.0 +- .7 ; 3.6 | 20.0 +- .9 ; 4.3 |
| 013 | 10 | 1.2 | 18.3 +- .5 ; 2.7 | 13.9 +- .7 ; 3.6 |
| 014 | 21 | 2.0 | 18.4 +- .6 ; 2.8 | 14.0 +- .7 ; 3.6 |
| 015 | 203 | 4.5 | 17.0 +- .5 ; 2.5 | 12.5 +- .7 ; 3.4 |
| 016 | 224 | 3.7 | 22.9 +- .7 ; 3.4 | 18.8 +- .9 ; 4.2 |
| 017 | 212 | 2.0 | 18.8 +- .6 ; 2.8 | 14.4 +- .8 ; 3.6 |
| 018 | 248 | 5.1 | 17.1 +- .5 ; 2.6 | 12.6 +- .7 ; 3.4 |
| 019 | 259 | 8.1 | 17.8 +- .5 ; 2.7 | 13.4 +- .7 ; 3.5 |
| 020 | 285 | 5.0 | MISSING OR DAMAGED DOSIMETER | |
| 021 | 270 | 4.1 | MISSING OR DAMAGED DOSIMETER | |
| 022 | 123 | 12. | 20.4 +- .6 ; 3.1 | 16.2 +- .8 ; 3.8 |
| 023 | 102 | 11. | 23.8 +- .7 ; 3.6 | 19.8 +- .9 ; 4.3 |
| 024 | 106 | 4.9 | 19.2 +- .6 ; 2.9 | 14.9 +- .8 ; 3.7 |
| 025 | 90 | 5.2 | 18.4 +- .6 ; 2.8 | 14.0 +- .7 ; 3.6 |
| 026 | 69 | 5.1 | 22.4 +- .7 ; 3.4 | 18.3 +- .9 ; 4.1 |
| 027 | 23 | 5.3 | 19.8 +- .6 ; 3.0 | 15.5 +- .8 ; 3.8 |
| 028 | 49 | 5.0 | 20.9 +- .6 ; 3.1 | 16.7 +- .8 ; 3.9 |
| 029 | 7.0 | 6.8 | 20.7 +- .6 ; 3.1 | 16.5 +- .8 ; 3.9 |
| 030 | 359 | 6.5 | 17.6 +- .5 ; 2.6 | 13.1 +- .7 ; 3.5 |
| 031 | 1.0 | 4.6 | 14.4 +- .4 ; 2.2 | 9.7 +- .6 ; 3.1 |
| 032 | 332 | 3.8 | 17.1 +- .5 ; 2.6 | 12.6 +- .7 ; 3.4 |
| 033 | 314 | 5.4 | 19.9 +- .6 ; 3.0 | 15.6 +- .8 ; 3.8 |
| 034 | 308 | 6.4 | MISSING OR DAMAGED DOSIMETER | |
| 035 | 348 | 5.3 | 17.4 +- .5 ; 2.6 | 12.9 +- .7 ; 3.4 |
| 036 | 343 | 14. | 17.8 +- .5 ; 2.7 | 13.4 +- .7 ; 3.5 |
| 037 | 340 | 15. | 17.6 +- .5 ; 2.6 | 13.2 +- .7 ; 3.5 |
| 038 | 339 | 15. | 17.4 +- .5 ; 2.6 | 12.9 +- .7 ; 3.4 |
| 039 | 153 | 1.9 | 21.1 +- .6 ; 3.2 | 16.9 +- .8 ; 3.9 |
| 040 | 144 | 2.1 | 17.6 +- .5 ; 2.6 | 13.2 +- .7 ; 3.5 |

TRANSIT DOSE = 5.3 +- .4 ; 1.9

SURRY
FOR THE PERIOD 831214-840411

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

| AZIMUTH (deg.) | NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std Dev. | # IN GROUP |
|---|---|---|
| 348.75-11.25 (N) | 13.3 +- 2.8 | 4 |
| 11.25-33.75 (NNE) | 14.8 +- 1.1 | 2 |
| 33.75-56.25 (NE) | 16.7 +- 0.0 | 1 |
| 56.25-78.75 (ENE) | 18.3 +- 0.0 | 1 |
| 78.75-101.25 (E) | 14.0 +- 0.0 | 1 |
| 101.25-123.75(ESE) | 16.1 +- 2.7 | 4 |
| 123.75-146.25(SE) | 13.2 +- 0.0 | 1 |
| 146.25-168.75(SSE) | 14.0 +- 3.1 | 4 |
| 168.75-191.25(S) | 12.8 +- 1.5 | 2 |
| 191.25-213.75(SSW) | 12.6 +- 1.7 | 3 |
| 213.75-236.25(SW) | 10.8 +- 0.0 | 1 |
| 236.25-258.75(WSW) | 15.1 +- 3.5 | 2 |
| 258.75-281.25(W) | 17.5 +- 5.8 | 2 |
| 281.25-303.75(WNW) | NO DATA+-NO DATA | 0 |
| 303.75-326.25(NW) | 19.5 +- 5.5 | 2 |
| 326.25-348.75(NNW) | 15.2 +- 4.2 | 3 |
| | | |

| DISTANCE(mi) FROM THE REACTOR | NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 0-2 | 17.3 +- 3.6 | 9 |
| 2-5 | 13.5 +- 2.9 | 9 |
| >5 | 14.7 +- 2.5 | 15 |
| UPWIND CONTROL DATA | 13.2 +- .2 | 3 |

SUSQUEHANNA
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 831212-840411 121 DAYS
FIELD TIME 105 DAYS

| NRC STATION | LOCATION AZIMUTH/DIST (deg.) | (mi.) | GROSS EXPOSURE(mR) +- Rdm;Tot. | | | NET EXPOSURE RATE mR/Std.Qtr. +- Rdm;Tot. | | |
|---|---|---|---|---|---|---|---|---|
| 001 | 19 | 1.4 | 20.9 +- | .6 ; | 3.1 | 15.8 +- | .6 ; | 3.1 |
| 002 | 0 | 1.4 | 21.2 +- | .6 ; | 3.2 | 16.1 +- | .7 ; | 3.1 |
| 003 | 333 | 1.7 | 20.7 +- | .6 ; | 3.1 | 15.6 +- | .6 ; | 3.1 |
| 004 | 318 | 1.7 | 18.9 +- | .6 ; | 2.8 | 14.1 +- | .6 ; | 2.9 |
| 005 | 287 | 1.7 | 22.0 +- | .7 ; | 3.3 | 16.8 +- | .7 ; | 3.2 |
| 006 | 270 | 1.3 | 21.9 +- | .7 ; | 3.3 | 16.7 +- | .7 ; | 3.2 |
| 007 | 239 | 1.8 | 20.5 +- | .6 ; | 3.1 | 15.5 +- | .6 ; | 3.0 |
| 008 | 217 | 2 | 24.9 +- | .7 ; | 3.7 | 19.2 +- | .7 ; | 3.5 |
| 009 | 200 | 1.4 | 21.7 +- | .6 ; | 3.2 | 16.5 +- | .7 ; | 3.2 |
| 010 | 175 | 1.2 | 20.9 +- | .6 ; | 3.1 | 15.8 +- | .6 ; | 3.1 |
| 011 | 243 | 5.1 | 21.2 +- | .6 ; | 3.2 | 16.1 +- | .7 ; | 3.1 |
| 012 | 252 | 4.7 | 21.0 +- | .6 ; | 3.1 | 15.9 +- | .6 ; | 3.1 |
| 013 | 274 | 3.4 | 25.7 +- | .8 ; | 3.9 | 19.9 +- | .8 ; | 3.6 |
| 014 | 286 | 3.6 | 22.7 +- | .7 ; | 3.4 | 17.4 +- | .7 ; | 3.3 |
| 015 | 2 | 3.8 | 22.8 +- | .7 ; | 3.4 | 17.4 +- | .7 ; | 3.3 |
| 016 | 334 | 4.1 | 22.0 +- | .7 ; | 3.3 | 16.8 +- | .7 ; | 3.2 |
| 017 | 312 | 4.4 | 21.7 +- | .6 ; | 3.2 | 16.5 +- | .7 ; | 3.2 |
| 018 | 32 | 4.9 | 22.5 +- | .7 ; | 3.4 | 17.2 +- | .7 ; | 3.3 |
| 019 | 45 | 9.9 | 23.8 +- | .7 ; | 3.6 | 18.3 +- | .7 ; | 3.4 |
| 020 | 65 | 4.8 | 25.5 +- | .8 ; | 3.8 | 19.7 +- | .7 ; | 3.6 |
| 021 | 44 | 3.1 | 25.6 +- | .8 ; | 3.8 | 19.8 +- | .8 ; | 3.6 |
| 022 | 47 | .7 | 20.2 +- | .6 ; | 3.0 | 15.2 +- | .6 ; | 3.0 |
| 023 | 65 | 1.2 | 20.7 +- | .6 ; | 3.1 | 15.6 +- | .6 ; | 3.1 |
| 024 | 87 | 1.4 | 22.9 +- | .7 ; | 3.4 | 17.5 +- | .7 ; | 3.3 |
| 025 | 108 | 1.4 | 21.5 +- | .6 ; | 3.2 | 16.3 +- | .7 ; | 3.1 |
| 026 | 137 | 1.5 | 23.2 +- | .7 ; | 3.5 | 17.8 +- | .7 ; | 3.3 |
| 027 | 152 | 1.5 | 23.3 +- | .7 ; | 3.5 | 17.9 +- | .7 ; | 3.4 |
| 028 | 108 | 3.7 | MISSING OR DAMAGED DOSIMETER | | | | | |
| 029 | 102 | 4.3 | 23.4 +- | .7 ; | 3.5 | 18.0 +- | .7 ; | 3.4 |
| 030 | 140 | 4.3 | 22.9 +- | .7 ; | 3.4 | 17.5 +- | .7 ; | 3.3 |
| 031 | 162 | 3.4 | 23.2 +- | .7 ; | 3.5 | 17.8 +- | .7 ; | 3.3 |
| 032 | 176 | 3.5 | 23.4 +- | .7 ; | 3.5 | 17.9 +- | .7 ; | 3.4 |
| 033 | 192 | 3.1 | 24.2 +- | .7 ; | 3.6 | 18.6 +- | .7 ; | 3.5 |
| 034 | 231 | 4.4 | 22.3 +- | .7 ; | 3.3 | 17.0 +- | .7 ; | 3.2 |
| 035 | 134 | 12. | 22.4 +- | .7 ; | 3.4 | 17.1 +- | .7 ; | 3.2 |
| 036 | 114 | 13. | 25.4 +- | .8 ; | 3.8 | 19.6 +- | .7 ; | 3.6 |
| 037 | 150 | 15. | 21.8 +- | .7 ; | 3.3 | 16.6 +- | .7 ; | 3.2 |

TRANSIT DOSE = 2.5 +- .4 ; 1.8

SUSQUEHANNA
FOR THE PERIOD 831212-840411

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

| AZIMUTH (deg.) | NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 348.75-11.25 (N) | 16.7 +- .8 | 2 |
| 11.25-33.75 (NNE) | 16.5 +- 1.0 | 2 |
| 33.75-56.25 (NE) | 17.8 +- 2.4 | 3 |
| 56.25-78.75 (ENE) | 17.7 +- 2.9 | 2 |
| 78.75-101.25 (E) | 17.5 +- 0.0 | 1 |
| 101.25-123.75(ESE) | 17.1 +- 1.2 | 2 |
| 123.75-146.25(SE) | 17.8 +- .2 | 2 |
| 146.25-168.75(SSE) | 17.8 +- .1 | 2 |
| 168.75-191.25(S) | 16.8 +- 1.5 | 2 |
| 191.25-213.75(SSW) | 17.5 +- 1.5 | 2 |
| 213.75-236.25(SW) | 18.1 +- 1.6 | 2 |
| 236.25-258.75(WSW) | 15.8 +- .3 | 3 |
| 258.75-281.25(W) | 18.3 +- 2.3 | 2 |
| 281.25-303.75(WNW) | 17.1 +- .4 | 2 |
| 303.75-326.25(NW) | 15.3 +- 1.7 | 2 |
| 326.25-348.75(NNW) | 16.2 +- .8 | 2 |
| | | |

| DISTANCE(mi) FROM THE REACTOR | NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 0-2 | 16.4 +- 1.2 | 18 |
| 2-5 | 17.8 +- 1.2 | 15 |
| >5 | 17.2 +- 1.6 | 2 |
| UPWIND CONTROL DATA | 17.8 +- 1.6 | 3 |

THREE MILE ISLAND
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 831212-840411 121 DAYS
FIELD TIME 107 DAYS

| NRC STATION | LOCATION AZIMUTH (deg.) | LOCATION DIST (mi.) | GROSS EXPOSURE(mR) +- Rdm; Tot. | NET EXPOSURE RATE mR/Std.Qtr. +- Rdm; Tot. |
|---|---|---|---|---|
| 001 | 95 | 5.9 | 17.9 +- .5 ; 2.7 | 13.2 +- .6 ; 2.8 |
| 002 | 101 | 3.9 | 22.2 +- .7 ; 3.3 | 16.8 +- .7 ; 3.2 |
| 003 | 109 | 2.7 | MISSING OR DAMAGED DOSIMETER | |
| 004 | 163 | 1.8 | 18.4 +- .6 ; 2.8 | 13.6 +- .6 ; 2.8 |
| 005 | 161 | 2.2 | 17.5 +- .5 ; 2.6 | 12.9 +- .6 ; 2.7 |
| 006 | 150 | 1 | 18.7 +- .6 ; 2.8 | 13.9 +- .6 ; 2.9 |
| 007 | 136 | .6 | 16.8 +- .5 ; 2.5 | 12.3 +- .6 ; 2.7 |
| 008 | 83 | .4 | 17.0 +- .5 ; 2.6 | 12.4 +- .6 ; 2.7 |
| 009 | 60 | .5 | 17.3 +- .5 ; 2.6 | 12.7 +- .6 ; 2.7 |
| 010 | 1 | 1.7 | 18.0 +- .5 ; 2.7 | 13.2 +- .6 ; 2.8 |
| 011 | 25 | .9 | 17.5 +- .5 ; 2.6 | 12.8 +- .6 ; 2.7 |
| 012 | 46 | 2.8 | 18.9 +- .6 ; 2.8 | 14.0 +- .6 ; 2.9 |
| 013 | 19 | 5.2 | 18.5 +- .6 ; 2.8 | 13.7 +- .6 ; 2.8 |
| 014 | 358 | 2.5 | 17.2 +- .5 ; 2.6 | 12.6 +- .6 ; 2.7 |
| 015 | 133 | 9.0 | 21.9 +- .7 ; 3.3 | 16.5 +- .7 ; 3.2 |
| 016 | 0 | 3.1 | 18.7 +- .6 ; 2.8 | 13.8 +- .6 ; 2.8 |
| 018 | 349 | 3.5 | 21.0 +- .6 ; 3.2 | 15.8 +- .7 ; 3.1 |
| 019 | 343 | 3.2 | 19.7 +- .6 ; 2.9 | 14.7 +- .6 ; 3.0 |
| 020 | 318 | 5 | 18.3 +- .5 ; 2.7 | 13.5 +- .6 ; 2.8 |
| 021 | 348 | 1.3 | 15.2 +- .5 ; 2.3 | 10.9 +- .5 ; 2.5 |
| 022 | 17 | 3.1 | 18.8 +- .6 ; 2.8 | 13.9 +- .6 ; 2.9 |
| 023 | 64 | 3.8 | 15.9 +- .5 ; 2.4 | 11.5 +- .6 ; 2.6 |
| 024 | 44 | 3.6 | 20.4 +- .6 ; 3.1 | 15.3 +- .6 ; 3.0 |
| 025 | 335 | 0.5 | MISSING OR DAMAGED DOSIMETER | |
| 027 | 006 | 7.4 | 23.1 +- .7 ; 3.5 | 17.6 +- .7 ; 3.3 |
| 029 | 293 | 0.4 | MISSING OR DAMAGED DOSIMETER | |
| 030 | 317 | 1.2 | MISSING OR DAMAGED DOSIMETER | |
| 031 | 306 | 9.6 | 16.4 +- .5 ; 2.5 | 11.9 +- .6 ; 2.6 |
| 032 | 297 | 7.4 | 20.1 +- .6 ; 3.0 | 15.0 +- .6 ; 3.0 |
| 033 | 301 | 5.9 | 16.9 +- .5 ; 2.5 | 12.4 +- .6 ; 2.7 |
| 034 | 267 | 2.3 | 19.3 +- .6 ; 2.9 | 14.3 +- .6 ; 2.9 |
| 035 | 299 | 1.8 | 18.9 +- .6 ; 2.8 | 14.0 +- .6 ; 2.9 |
| 036 | 267 | 1.2 | 14.7 +- .4 ; 2.2 | 10.5 +- .5 ; 2.5 |
| 037 | 256 | 1.4 | 16.8 +- .5 ; 2.5 | 12.3 +- .6 ; 2.7 |
| 038 | 225 | 1.9 | 20.5 +- .6 ; 3.1 | 15.3 +- .6 ; 3.0 |
| 039 | 200 | 2.1 | 15.6 +- .5 ; 2.3 | 11.2 +- .5 ; 2.5 |
| 040 | 204 | 2.5 | 17.4 +- .5 ; 2.6 | 12.7 +- .6 ; 2.7 |
| 041 | 185 | 13. | 19.5 +- .6 ; 2.9 | 14.5 +- .6 ; 2.9 |
| 042 | 259 | 7.3 | 18.6 +- .6 ; 2.8 | 13.8 +- .6 ; 2.8 |
| 043 | 268 | 5.8 | 21.5 +- .6 ; 3.2 | 16.2 +- .7 ; 3.1 |
| 044 | 263 | 4.7 | 17.2 +- .5 ; 2.6 | 12.6 +- .6 ; 2.7 |
| 045 | 230 | 0.5 | MISSING OR DAMAGED DOSIMETER | |
| 046 | 177 | 3 | 17.7 +- .5 ; 2.6 | 13.0 +- .6 ; 2.7 |
| 047 | 177 | 5.7 | 18.7 +- .6 ; 2.8 | 13.8 +- .6 ; 2.8 |
| 048 | 182 | 9 | 24.5 +- .7 ; 3.7 | 18.7 +- .7 ; 3.5 |
| 049 | 206 | 0.9 | MISSING OR DAMAGED DOSIMETER | |

TRANSIT DOSE = 2.2 +- .5 ; 1.9

THREE MILE ISLAND
FOR THE PERIOD 831212-840411

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

| AZIMUTH (deg.) | NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 348.75-11.25 (N) | 14.6 +- 2.1 | 5 |
| 11.25-33.75 (NNE) | 13.5 +- .6 | 3 |
| 33.75-56.25 (NE) | 14.7 +- .9 | 2 |
| 56.25-78.75 (ENE) | 12.1 +- .9 | 2 |
| 78.75-101.25 (E) | 14.1 +- 2.3 | 3 |
| 101.25-123.75(ESE) | NO DATA+-NO DATA | 0 |
| 123.75-146.25(SE) | 14.4 +- 3.0 | 2 |
| 146.25-168.75(SSE) | 13.4 +- .5 | 3 |
| 168.75-191.25(S) | 15.0 +- 2.5 | 4 |
| 191.25-213.75(SSW) | 12.0 +- 1.1 | 2 |
| 213.75-236.25(SW) | 15.3 +- 0.0 | 1 |
| 236.25-258.75(WSW) | NO DATA+-NO DATA | 0 |
| 258.75-281.25(W) | 14.2 +- 1.5 | 4 |
| 281.25-303.75(WNW) | 13.7 +- 1.9 | 2 |
| 303.75-326.25(NW) | 12.7 +- 1.1 | 2 |
| 326.25-348.75(NNW) | 12.8 +- 2.7 | 2 |
| | | |

| DISTANCE(mi) FROM THE REACTOR | NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 0-2 | 13.0 +- 1.2 | 9 |
| 2-5 | 13.7 +- 1.5 | 18 |
| >5 | 14.8 +- 2.1 | 12 |
| UPWIND CONTROL DATA | 12.3 +- 1.7 | 3 |

TROJAN
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 831208-840413 127 DAYS
FIELD TIME 85 DAYS

| NRC STATION | LOCATION AZIMUTH/DIST (deg.) | (mi.) | GROSS EXPOSURE(mR) +- Rdm; Tot. | | | NET EXPOSURE RATE mR/Std.Qtr. +- Rdm; Tot. | | |
|---|---|---|---|---|---|---|---|---|
| 001 | 340 | 0.6 | 16.8 | .5 | 2.5 | 11.3 | .8 | 3.7 |
| 002 | 334 | 1.5 | 19.2 | .6 | 2.9 | 13.8 | .8 | 3.9 |
| 003 | 340 | 1.7 | 16.9 | .5 | 2.5 | 11.4 | .8 | 3.7 |
| 004 | 328 | 3.9 | 16.9 | .5 | 2.5 | 11.4 | .8 | 3.7 |
| 005 | 308 | 4.6 | 20.0 | .6 | 3.0 | 14.7 | .9 | 4.0 |
| 006 | 312 | 4.5 | 19.8 | .6 | 3.0 | 14.5 | .8 | 4.0 |
| 007 | 267 | 4.6 | 19.4 | .6 | 2.9 | 14.0 | .8 | 4.0 |
| 008 | 274 | 3.8 | 21.1 | .6 | 3.2 | 15.8 | .9 | 4.2 |
| 009 | 279 | 1.7 | 20.2 | .6 | 3.0 | 14.9 | .9 | 4.1 |
| 010 | 263 | 2.0 | 20.1 | .6 | 3.0 | 14.8 | .9 | 4.0 |
| 011 | 245 | 1.6 | 21.6 | .6 | 3.2 | 16.3 | .9 | 4.2 |
| 012 | 223 | 1.2 | 21.1 | .6 | 3.2 | 15.9 | .9 | 4.2 |
| 013 | 196 | 1.1 | 19.8 | .6 | 3.0 | 14.4 | .8 | 4.0 |
| 014 | 180 | 1.2 | 18.5 | .6 | 2.8 | 13.1 | .8 | 3.8 |
| 015 | 165 | 1.7 | 18.5 | .6 | 2.8 | 13.1 | .8 | 3.8 |
| 016 | 212 | 3.9 | 19.4 | .6 | 2.9 | 14.0 | .8 | 4.0 |
| 017 | 230 | 3.5 | 21.0 | .6 | 3.1 | 15.7 | .9 | 4.2 |
| 018 | 162 | 9.3 | 20.1 | .6 | 3.0 | 14.8 | .9 | 4.1 |
| 019 | 172 | 5.8 | 21.8 | .7 | 3.3 | 16.6 | .9 | 4.3 |
| 020 | 334 | 5.8 | 18.7 | .6 | 2.8 | 13.3 | .8 | 3.9 |
| 021 | 345 | 5.5 | 18.8 | .6 | 2.8 | 13.4 | .8 | 3.9 |
| 022 | 356 | 5.5 | 16.9 | .5 | 2.5 | 11.4 | .8 | 3.7 |
| 023 | 8 | 3.9 | 17.1 | .5 | 2.6 | 11.6 | .8 | 3.7 |
| 024 | 15 | 3.7 | 17.6 | .5 | 2.6 | 12.2 | .8 | 3.7 |
| 025 | 27 | 1.9 | 17.9 | .5 | 2.7 | 12.5 | .8 | 3.8 |
| 026 | 37 | 2.1 | 19.7 | .6 | 2.9 | 14.3 | .8 | 4.0 |
| 027 | 60 | 2.9 | 20.0 | .6 | 3.0 | 14.6 | .9 | 4.0 |
| 028 | 55 | 4.5 | 18.7 | .6 | 2.8 | 13.3 | .8 | 3.9 |
| 029 | 69 | 1.6 | 18.5 | .6 | 2.8 | 13.1 | .8 | 3.8 |
| 030 | 83 | 3.9 | 17.8 | .5 | 2.7 | 12.4 | .8 | 3.8 |
| 031 | 93 | 2.7 | 20.7 | .6 | 3.1 | 15.4 | .9 | 4.1 |
| 032 | 119 | 2.2 | 20.6 | .6 | 3.1 | 15.3 | .9 | 4.1 |
| 033 | 106 | 5.3 | 18.6 | .6 | 2.8 | 13.2 | .8 | 3.9 |
| 034 | 134 | 2.5 | 17.4 | .5 | 2.6 | 11.9 | .8 | 3.7 |
| 035 | 145 | 4.7 | 18.4 | .6 | 2.8 | 13.0 | .8 | 3.8 |
| 036 | 270 | 17. | 20.8 | .6 | 3.1 | 15.5 | .9 | 4.1 |
| 037 | 270 | 17. | 20.7 | .6 | 3.1 | 15.4 | .9 | 4.1 |
| 038 | 270 | 17. | 22.5 | .7 | 3.4 | 17.3 | .9 | 4.4 |

TRANSIT DOSE = 6.1 +- .5 ; 2.4

TROJAN
FOR THE PERIOD 831208-840413

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

| AZIMUTH (deg.) | NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 348.75-11.25 (N) | 11.5 +- .1 | 2 |
| 11.25-33.75 (NNE) | 12.3 +- .2 | 2 |
| 33.75-56.25 (NE) | 13.8 +- .7 | 2 |
| 56.25-78.75 (ENE) | 13.9 +- 1.1 | 2 |
| 78.75-101.25 (E) | 13.9 +- 2.1 | 2 |
| 101.25-123.75(ESE) | 14.2 +- 1.5 | 2 |
| 123.75-146.25(SE) | 12.4 +- .7 | 2 |
| 146.25-168.75(SSE) | 13.9 +- 1.2 | 2 |
| 168.75-191.25(S) | 14.8 +- 2.5 | 2 |
| 191.25-213.75(SSW) | 14.2 +- .3 | 2 |
| 213.75-236.25(SW) | 15.8 +- .1 | 2 |
| 236.25-258.75(WSW) | 16.3 +- 0.0 | 1 |
| 258.75-281.25(W) | 14.9 +- .7 | 4 |
| 281.25-303.75(WNW) | NO DATA+-NO DATA | 0 |
| 303.75-326.25(NW) | 14.6 +- .1 | 2 |
| 326.25-348.75(NNW) | 12.4 +- 1.2 | 6 |
| | | |

| DISTANCE(mi) FROM THE REACTOR | NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 0-2 | 13.7 +- 1.6 | 12 |
| 2-5 | 13.9 +- 1.6 | 18 |
| >5 | 13.2 +- 1.2 | 5 |
| UPWIND CONTROL DATA | 16.1 +- 1.1 | 3 |

TURKEY POINT
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 831214-840413 121 DAYS
FIELD TIME 101 DAYS

| NRC STATION | LOCATION AZIMUTH (deg.) | DIST (mi.) | GROSS EXPOSURE(mR) +- Rdm;Tot. | NET EXPOSURE RATE mR/Std.Qtr. +- Rdm;Tot. |
|---|---|---|---|---|
| 001 | 310 | 1.3 | 14.3 +- .4 ; 2.1 | 9.4 +- .6 ; 2.6 |
| 002 | 292 | 2.4 | MISSING OR DAMAGED DOSIMETER | |
| 003 | 340 | 1.9 | 13.8 +- .4 ; 2.1 | 9.0 +- .6 ; 2.6 |
| 004 | 354 | 2.0 | 13.4 +- .4 ; 2.0 | 8.6 +- .6 ; 2.5 |
| 005 | 314 | 3.8 | 13.9 +- .4 ; 2.1 | 9.0 +- .6 ; 2.6 |
| 006 | 331 | 4.2 | MISSING OR DAMAGED DOSIMETER | |
| 007 | 291 | 5.4 | 14.9 +- .4 ; 2.2 | 9.9 +- .6 ; 2.7 |
| 008 | 263 | 5.1 | MISSING OR DAMAGED DOSIMETER | |
| 009 | 242 | 5.7 | 13.8 +- .4 ; 2.1 | 8.9 +- .6 ; 2.6 |
| 010 | 234 | 6.2 | 14.4 +- .4 ; 2.2 | 9.4 +- .6 ; 2.6 |
| 011 | 220 | 6.2 | MISSING OR DAMAGED DOSIMETER | |
| 012 | 213 | 6.9 | 13.1 +- .4 ; 2.0 | 8.3 +- .6 ; 2.5 |
| 013 | 199 | 10. | 13.0 +- .4 ; 2.0 | 8.2 +- .5 ; 2.5 |
| 014 | 190 | 10. | 14.5 +- .4 ; 2.2 | 9.5 +- .6 ; 2.6 |
| 015 | 180 | 10. | 15.4 +- .5 ; 2.3 | 10.4 +- .6 ; 2.7 |
| 016 | 171 | 10. | 14.9 +- .4 ; 2.2 | 9.9 +- .6 ; 2.7 |
| 017 | 165 | 9.0 | 14.2 +- .4 ; 2.1 | 9.3 +- .6 ; 2.6 |
| 018 | 203 | 16. | 15.2 +- .5 ; 2.3 | 10.2 +- .6 ; 2.7 |
| 019 | 203 | 16. | 14.3 +- .4 ; 2.1 | 9.4 +- .5 ; 2.6 |
| 020 | 203 | 16. | 16.2 +- .5 ; 2.4 | 11.1 +- .6 ; 2.8 |
| 021 | 268 | 8.7 | 13.3 +- .4 ; 2.0 | 8.5 +- .6 ; 2.5 |
| 022 | 256 | 8.0 | MISSING OR DAMAGED DOSIMETER | |
| 023 | 275 | 9.0 | MISSING OR DAMAGED DOSIMETER | |
| 024 | 285 | 9.0 | 15.7 +- .5 ; 2.4 | 10.7 +- .6 ; 2.8 |
| 025 | 293 | 8.7 | 17.1 +- .5 ; 2.6 | 11.9 +- .6 ; 2.9 |
| 026 | 301 | 8.4 | 15.8 +- .5 ; 2.4 | 10.7 +- .6 ; 2.8 |
| 027 | 311 | 8.3 | 15.1 +- .5 ; 2.3 | 10.1 +- .6 ; 2.7 |
| 028 | 327 | 8.2 | 16.0 +- .5 ; 2.4 | 10.9 +- .6 ; 2.8 |
| 029 | 339 | 9.3 | 15.6 +- .5 ; 2.3 | 10.5 +- .6 ; 2.7 |
| 030 | 350 | 8.7 | 15.4 +- .5 ; 2.3 | 10.4 +- .6 ; 2.7 |
| 031 | 359 | 9.9 | 15.8 +- .5 ; 2.4 | 10.7 +- .6 ; 2.8 |
| 032 | 2 / | 10. | 15.6 +- .5 ; 2.3 | 10.5 +- .6 ; 2.7 |
| 033 | 12/ | 21. | 15.8 +- .5 ; 2.4 | 10.7 +- .6 ; 2.8 |
| 034 | 18/ | 24. | 15.6 +- .5 ; 2.3 | 10.5 +- .6 ; 2.7 |
| 035 | 28/ | 22. | 15.0 +- .5 ; 2.3 | 10.0 +- .6 ; 2.7 |
| 036 | 15 | 0.3 | 14.0 +- .4 ; 2.1 | 9.1 +- .6 ; 2.6 |
| 037 | 228 | 0.5 | 14.1 +- .4 ; 2.1 | 9.2 +- .6 ; 2.6 |
| TRANSIT DOSE = | | | 3.7 +- .5 ; 2.0 | |

TURKEY POINT
FOR THE PERIOD 831214-840413

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

| AZIMUTH (deg.) | NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 348.75-11.25 (N) | 10.1 +- 1.0 | 4 |
| 11.25-33.75 (NNE) | 10.1 +- .7 | 4 |
| 33.75-56.25 (NE) | NO DATA+-NO DATA | 0 |
| 56.25-78.75 (ENE) | NO DATA+-NO DATA | 0 |
| 78.75-101.25 (E) | NO DATA+-NO DATA | 0 |
| 101.25-123.75(ESE) | NO DATA+-NO DATA | 0 |
| 123.75-146.25(SE) | NO DATA+-NO DATA | 0 |
| 146.25-168.75(SSE) | 9.3 +- 0.0 | 1 |
| 168.75-191.25(S) | 10.0 +- .4 | 3 |
| 191.25-213.75(SSW) | 8.3 +- .0 | 2 |
| 213.75-236.25(SW) | 9.3 +- .2 | 2 |
| 236.25-258.75(WSW) | 8.9 +- 0.0 | 1 |
| 258.75-281.25(W) | 8.5 +- 0.0 | 1 |
| 281.25-303.75(WNW) | 10.0 +- .8 | 4 |
| 303.75-326.25(NW) | 9.5 +- .5 | 3 |
| 326.25-348.75(NNW) | 10.1 +- 1.0 | 3 |
| | | |

| DISTANCE(mi) FROM THE REACTOR | NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 0-2 | 9.0 +- .3 | 5 |
| 2-5 | 9.0 +- 0.0 | 1 |
| >5 | 10.0 +- .9 | 22 |
| UPWIND CONTROL DATA | 10.2 +- .9 | 3 |

VERMONT YANKEE
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 830930-840529 242 DAYS
FIELD TIME 215 DAYS

| NRC STATION | LOCATION AZIMUTH (deg.) | LOCATION DIST (mi.) | GROSS EXPOSURE(mR) +- Rdm;Tot. | NET EXPOSURE RATE mR/Std.Qtr. +- Rdm;Tot. |
|---|---|---|---|---|
| 002 | 158 | 1 | MISSING OR DAMAGED DOSIMETER | |
| 003 | 184 | 1.3 | 51.5 +- 1.5 ; 7.7 | 16.6 +- 1.0 ; 4.5 |
| 004 | 201 | 1.4 | 53.3 +- 1.6 ; 8.0 | 17.4 +- 1.0 ; 4.6 |
| 005 | 220 | 1.6 | 49.9 +- 1.5 ; 7.5 | 16.0 +- 1.0 ; 4.5 |
| 006 | 157 | 3.4 | 50.0 +- 1.5 ; 7.5 | 16.0 +- 1.0 ; 4.5 |
| 007 | 189 | 4.9 | 51.7 +- 1.5 ; 7.7 | 16.7 +- 1.0 ; 4.5 |
| 008 | 201 | 13. | 50.1 +- 1.5 ; 7.5 | 16.1 +- 1.0 ; 4.5 |
| 009 | 208 | 5.8 | 50.5 +- 1.5 ; 7.6 | 16.2 +- 1.0 ; 4.5 |
| 010 | 232 | 3.7 | 56.8 +- 1.7 ; 8.5 | 18.9 +- 1.0 ; 4.8 |
| 011 | 277 | 2.9 | 52.9 +- 1.6 ; 7.9 | 17.2 +- 1.0 ; 4.6 |
| 012 | 292 | 1.4 | 56.2 +- 1.7 ; 8.4 | 18.6 +- 1.0 ; 4.7 |
| 013 | 314 | 1.4 | 48.6 +- 1.5 ; 7.3 | 15.4 +- 1.0 ; 4.4 |
| 014 | 310 | 4.2 | 50.1 +- 1.5 ; 7.5 | 16.1 +- 1.0 ; 4.5 |
| 015 | 299 | 4.3 | 51.9 +- 1.6 ; 7.8 | 16.8 +- 1.0 ; 4.5 |
| 016 | 270 | 4.5 | MISSING OR DAMAGED DOSIMETER | |
| 017 | 331 | 5 | 53.4 +- 1.6 ; 8.0 | 17.5 +- 1.0 ; 4.6 |
| 018 | 290 | 18. | MISSING OR DAMAGED DOSIMETER | |
| 019 | 290 | 18. | MISSING OR DAMAGED DOSIMETER | |
| 020 | 290 | 18. | MISSING OR DAMAGED DOSIMETER | |
| 021 | 359 | 3.2 | 42.7 +- 1.3 ; 6.4 | 13.0 +- .9 ; 4.1 |
| 023 | 334 | 2.2 | 49.2 +- 1.5 ; 7.4 | 15.7 +- 1.0 ; 4.4 |
| 024 | 4 | .9 | 51.8 +- 1.6 ; 7.8 | 16.8 +- 1.0 ; 4.5 |
| 025 | 30 | 1 | 47.7 +- 1.4 ; 7.2 | 15.1 +- 1.0 ; 4.4 |
| 026 | 72 | 1.5 | 46.1 +- 1.4 ; 6.9 | 14.4 +- 1.0 ; 4.3 |
| 027 | 44 | .7 | 52.1 +- 1.6 ; 7.8 | 16.9 +- 1.0 ; 4.6 |
| 028 | 39 | 2.8 | MISSING OR DAMAGED DOSIMETER | |
| 029 | 35 | 3.8 | 59.7 +- 1.8 ; 8.9 | 20.1 +- 1.1 ; 4.9 |
| 030 | 72 | 2.7 | 59.0 +- 1.8 ; 8.9 | 19.8 +- 1.1 ; 4.9 |
| 031 | 85 | 2 | 54.2 +- 1.6 ; 8.1 | 17.8 +- 1.0 ; 4.6 |
| 032 | 111 | 1.8 | 50.9 +- 1.5 ; 7.6 | 16.4 +- 1.0 ; 4.5 |
| 033 | 134 | 4 | 49.7 +- 1.5 ; 7.5 | 15.9 +- 1.0 ; 4.4 |
| 034 | 151 | 6 | 47.9 +- 1.4 ; 7.2 | 15.1 +- 1.0 ; 4.4 |
| 035 | 111 | 4.3 | 55.5 +- 1.7 ; 8.3 | 18.3 +- 1.0 ; 4.7 |
| 036 | 92 | 4.7 | 56.9 +- 1.7 ; 8.5 | 18.9 +- 1.0 ; 4.8 |
| 037 | 50 | 15 | 61.9 +- 1.9 ; 9.3 | 21.0 +- 1.1 ; 5.0 |
| 039 | 222 | .3 | 60.0 +- 1.8 ; 9.0 | 20.2 +- 1.1 ; 4.9 |
| 040 | 250 | 3 | 53.6 +- 1.6 ; 8.0 | 17.5 +- 1.0 ; 4.6 |
| TRANSIT DOSE = | | | 11.7 +- 1.8 ; 7.6 | |

VERMONT YANKEE
FOR THE PERIOD 830930-840529

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

| AZIMUTH (deg.) | NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 348.75-11.25 (N) | 14.9 +- 2.7 | 2 |
| 11.25-33.75 (NNE) | 17.6 +- 3.5 | 2 |
| 33.75-56.25 (NE) | 21.0 +- 0.0 | 1 |
| 56.25-78.75 (ENE) | 19.8 +- 0.0 | 1 |
| 78.75-101.25 (E) | 18.3 +- .8 | 2 |
| 101.25-123.75(ESE) | 17.4 +- 1.4 | 2 |
| 123.75-146.25(SE) | 15.9 +- 0.0 | 1 |
| 146.25-168.75(SSE) | 15.6 +- .6 | 2 |
| 168.75-191.25(S) | 16.7 +- .1 | 2 |
| 191.25-213.75(SSW) | 16.6 +- .7 | 3 |
| 213.75-236.25(SW) | 18.3 +- 2.2 | 3 |
| 236.25-258.75(WSW) | 17.5 +- 0.0 | 1 |
| 258.75-281.25(W) | 17.2 +- 0.0 | 1 |
| 281.25-303.75(WNW) | 17.7 +- 1.3 | 2 |
| 303.75-326.25(NW) | 15.8 +- .5 | 2 |
| 326.25-348.75(NNW) | 16.6 +- 1.2 | 2 |
| | | |

| DISTANCE(mi) FROM THE REACTOR | NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 0-2 | 17.0 +- 1.5 | 10 |
| 2-5 | 17.2 +- 1.0 | 15 |
| >5 | 17.1 +- 2.6 | 4 |
| UPWIND CONTROL DATA | 15.7 +- 1.8 | 2 |

WASHINGTON NUCLEAR 2
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 831208-840413 127 DAYS
FIELD TIME 88 DAYS

| NRC STATION | LOCATION AZIMUTH/DIST (deg.) | (mi.) | GROSS EXPOSURE(mR) +- Rdm;Tot. | | | NET EXPOSURE RATE mR/Std.Qtr. +- Rdm;Tot. | | | |
|---|---|---|---|---|---|---|---|---|---|
| 001 | 174 | 12. | 23.4 | +- .7 | ; 3.5 | 18.7 | +- .9 | ; | 4.3 |
| 002 | 163 | 11. | 22.0 | +- .7 | ; 3.3 | 17.2 | +- .9 | ; | 4.1 |
| 003 | 161 | 9.0 | 21.8 | +- .7 | ; 3.3 | 17.0 | +- .9 | ; | 4.1 |
| 004 | 152 | 5.0 | 23.8 | +- .7 | ; 3.6 | 19.1 | +- .9 | ; | 4.3 |
| 005 | 195 | 2.0 | 22.8 | +- .7 | ; 3.4 | 18.0 | +- .9 | ; | 4.2 |
| 006 | 220 | 1.5 | 22.2 | +- .7 | ; 3.3 | 17.4 | +- .9 | ; | 4.1 |
| 007 | 92 | 3.0 | 23.9 | +- .7 | ; 3.6 | 19.2 | +- .9 | ; | 4.4 |
| 008 | 155 | 1.0 | 22.4 | +- .7 | ; 3.4 | 17.6 | +- .9 | ; | 4.2 |
| 009 | 130 | 0.5 | 22.2 | +- .7 | ; 3.3 | 17.4 | +- .9 | ; | 4.1 |
| 010 | 70 | 0.5 | 22.6 | +- .7 | ; 3.4 | 17.8 | +- .9 | ; | 4.2 |
| 011 | 25 | 0.5 | 22.3 | +- .7 | ; 3.3 | 17.5 | +- .9 | ; | 4.1 |
| 012 | 315 | 0.5 | 23.0 | +- .7 | ; 3.5 | 18.2 | +- .9 | ; | 4.2 |
| 013 | 290 | 0.5 | 23.0 | +- .7 | ; 3.5 | 18.2 | +- .9 | ; | 4.2 |
| 014 | 270 | 0.5 | 23.0 | +- .7 | ; 3.4 | 18.2 | +- .9 | ; | 4.2 |
| 015 | 245 | 1.0 | 22.2 | +- .7 | ; 3.3 | 17.4 | +- .9 | ; | 4.1 |
| 016 | 285 | 3.0 | 24.9 | +- .7 | ; 3.7 | 20.1 | +- .9 | ; | 4.5 |
| 017 | 240 | 4.0 | 22.1 | +- .7 | ; 3.3 | 17.3 | +- .9 | ; | 4.1 |
| 018 | 198 | 7.0 | 21.9 | +- .7 | ; 3.3 | 17.1 | +- .9 | ; | 4.1 |
| 019 | 173 | 8.5 | 22.1 | +- .7 | ; 3.3 | 17.3 | +- .9 | ; | 4.1 |
| 020 | 150 | 20. | 23.2 | +- .7 | ; 3.5 | 18.4 | +- .9 | ; | 4.3 |
| 021 | 114 | 7.0 | 24.2 | +- .7 | ; 3.6 | 19.5 | +- .9 | ; | 4.4 |
| 022 | 120 | 8.0 | 21.5 | +- .6 | ; 3.2 | 16.7 | +- .8 | ; | 4.0 |
| 023 | 134 | 6.0 | 24.8 | +- .7 | ; 3.7 | 20.1 | +- .9 | ; | 4.5 |
| 024 | 110 | 4.0 | 26.6 | +- .8 | ; 4.0 | 21.9 | +- 1.0 | ; | 4.7 |
| 025 | 85 | 5.0 | 23.3 | +- .7 | ; 3.5 | 18.5 | +- .9 | ; | 4.3 |
| 026 | 65 | 5.0 | 24.7 | +- .7 | ; 3.7 | 19.9 | +- .9 | ; | 4.5 |
| 027 | 53 | 4.0 | 22.6 | +- .7 | ; 3.4 | 17.8 | +- .9 | ; | 4.2 |
| 028 | 44 | 8.0 | 23.7 | +- .7 | ; 3.5 | 18.9 | +- .9 | ; | 4.3 |
| 029 | 33 | 10. | 22.5 | +- .7 | ; 3.4 | 17.7 | +- .9 | ; | 4.2 |
| 030 | 8 | 9.5 | 24.4 | +- .7 | ; 3.7 | 19.7 | +- .9 | ; | 4.4 |
| 031 | 215 | 15. | 22.8 | +- .7 | ; 3.4 | 18.0 | +- .9 | ; | 4.2 |

TRANSIT DOSE = 5.2 +- .5 ; 2.3

WASHINGTON NUCLEAR 2
FOR THE PERIOD 831208-840413

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

| AZIMUTH (deg.) | NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 348.75-11.25 (N) | 19.7 +- 0.0 | 1 |
| 11.25-33.75 (NNE) | 17.8 +- .1 | 2 |
| 33.75-56.25 (NE) | 18.3 +- .8 | 2 |
| 56.25-78.75 (ENE) | 18.9 +- 1.5 | 2 |
| 78.75-101.25 (E) | 18.8 +- .5 | 2 |
| 101.25-123.75(ESE) | 19.4 +- 2.6 | 3 |
| 123.75-146.25(SE) | 18.7 +- 1.9 | 2 |
| 146.25-168.75(SSE) | 17.8 +- .9 | 5 |
| 168.75-191.25(S) | 17.3 +- 0.0 | 1 |
| 191.25-213.75(SSW) | 17.5 +- .7 | 2 |
| 213.75-236.25(SW) | 17.4 +- 0.0 | 1 |
| 236.25-258.75(WSW) | 17.3 +- .1 | 2 |
| 258.75-281.25(W) | 18.2 +- 0.0 | 1 |
| 281.25-303.75(WNW) | 19.2 +- 1.3 | 2 |
| 303.75-326.25(NW) | 18.2 +- 0.0 | 1 |
| 326.25-348.75(NNW) | NO DATA+-NO DATA | 0 |
| | | |

| DISTANCE(mi) FROM THE REACTOR | NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 0-2 | 17.8 +- .4 | 10 |
| 2-5 | 19.2 +- 1.5 | 8 |
| >5 | 18.1 +- 1.2 | 11 |
| UPWIND CONTROL DATA | 18.3 +- .5 | 2 |

WATERFORD
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 831208-840412 126 DAYS
FIELD TIME 91 DAYS

| NRC STATION | LOCATION AZIMUTH/DIST (deg.) (mi.) | GROSS EXPOSURE(mR) +- Rdm; Tot. | NET EXPOSURE RATE mR/Std.Qtr. +- Rdm; Tot. |
|---|---|---|---|
| 001 | 101 0.4 | 19.1 +- .6 ; 2.9 | 10.2 +- .8 ; 4.0 |
| 002 | 116 1.1 | 18.2 +- .5 ; 2.7 | 9.3 +- .8 ; 3.9 |
| 003 | 132 1.3 | 19.9 +- .6 ; 3.0 | 11.0 +- .9 ; 4.1 |
| 004 | 160 1.8 | 17.1 +- .5 ; 2.6 | 8.2 +- .8 ; 3.8 |
| 005 | 183 1.4 | 16.8 +- .5 ; 2.5 | 7.9 +- .8 ; 3.7 |
| 006 | 202 1.2 | 17.8 +- .5 ; 2.7 | 8.9 +- .8 ; 3.8 |
| 007 | 226 1.2 | 17.1 +- .5 ; 2.6 | 8.2 +- .8 ; 3.8 |
| 008 | 248 1.3 | 20.6 +- .6 ; 3.1 | 11.7 +- .9 ; 4.1 |
| 009 | 265 1.3 | MISSING OR DAMAGED DOSIMETER | |
| 010 | 186 4.2 | 19.8 +- .6 ; 3.0 | 10.8 +- .8 ; 4.1 |
| 011 | 315 4.4 | 19.0 +- .6 ; 2.8 | 10.0 +- .8 ; 4.0 |
| 012 | 328 4.1 | 19.3 +- .6 ; 2.9 | 10.3 +- .8 ; 4.0 |
| 013 | 309 0.8 | 19.7 +- .6 ; 3.0 | 10.8 +- .8 ; 4.0 |
| 014 | 273 0.9 | 21.7 +- .6 ; 3.2 | 12.7 +- .9 ; 4.3 |
| 015 | 292 0.8 | 20.3 +- .6 ; 3.0 | 11.3 +- .9 ; 4.1 |
| 016 | 335 0.5 | 17.0 +- .5 ; 2.6 | 8.1 +- .8 ; 3.8 |
| 017 | 120 4.3 | 16.1 +- .5 ; 2.4 | 7.2 +- .8 ; 3.7 |
| 018 | 145 3.5 | MISSING OR DAMAGED DOSIMETER | |
| 019 | 153 0.1 | 17.7 +- .5 ; 2.7 | 8.8 +- .8 ; 3.8 |
| 020 | 133 0.1 | 18.4 +- .6 ; 2.8 | 9.4 +- .8 ; 3.9 |
| 021 | 116 6.7 | 18.7 +- .6 ; 2.8 | 9.8 +- .8 ; 3.9 |
| 022 | 98 4.3 | 17.6 +- .5 ; 2.6 | 8.7 +- .8 ; 3.8 |
| 023 | 80 2.0 | 17.6 +- .5 ; 2.6 | 8.7 +- .8 ; 3.8 |
| 024 | 66 4.2 | 20.1 +- .6 ; 3.0 | 11.2 +- .9 ; 4.1 |
| 025 | 37 3.8 | 18.1 +- .5 ; 2.7 | 9.2 +- .8 ; 3.9 |
| 026 | 23 3.8 | 16.1 +- .5 ; 2.4 | 7.2 +- .8 ; 3.7 |
| 027 | 350 4.9 | 17.3 +- .5 ; 2.6 | 8.4 +- .8 ; 3.8 |
| 028 | 335 5.0 | 17.8 +- .5 ; 2.7 | 8.9 +- .8 ; 3.8 |
| 029 | 6 2.0 | 16.5 +- .5 ; 2.5 | 7.6 +- .8 ; 3.7 |
| 030 | 356 1.1 | 17.4 +- .5 ; 2.6 | 8.5 +- .8 ; 3.8 |
| 031 | 15 0.8 | 18.9 +- .6 ; 2.8 | 10.0 +- .8 ; 4.0 |
| 032 | 40 0.8 | 16.9 +- .5 ; 2.5 | 8.0 +- .8 ; 3.8 |
| 033 | 69 1.1 | 22.3 +- .7 ; 3.3 | 13.4 +- .9 ; 4.3 |
| 034 | 292 15. | 17.6 +- .5 ; 2.6 | 8.7 +- .8 ; 3.8 |
| 035 | 283 27. | 21.1 +- .6 ; 3.2 | 12.1 +- .9 ; 4.2 |
| 036 | 269 21. | 18.2 +- .5 ; 2.7 | 9.3 +- .8 ; 3.9 |
| TRANSIT DOSE | 8.8 +- .6 ; 2.8 | | |

WATERFORD
FOR THE PERIOD 831208-840412

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

| AZIMUTH (deg.) | NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 348.75-11.25 (N) | 8.1 +- .5 | 3 |
| 11.25-33.75 (NNE) | 8.6 +- 2.0 | 2 |
| 33.75-56.25 (NE) | 8.6 +- .8 | 2 |
| 56.25-78.75 (ENE) | 12.3 +- 1.5 | 2 |
| 78.75-101.25 (E) | 9.2 +- .9 | 3 |
| 101.25-123.75(ESE) | 8.7 +- 1.4 | 3 |
| 123.75-146.25(SE) | 10.2 +- 1.1 | 2 |
| 146.25-168.75(SSE) | 8.5 +- .5 | 2 |
| 168.75-191.25(S) | 9.4 +- 2.1 | 2 |
| 191.25-213.75(SSW) | 8.9 +- 0.0 | 1 |
| 213.75-236.25(SW) | 8.2 +- 0.0 | 1 |
| 236.25-258.75(WSW) | 11.7 +- 0.0 | 1 |
| 258.75-281.25(W) | 12.7 +- 0.0 | 1 |
| 281.25-303.75(WNW) | 11.3 +- 0.0 | 1 |
| 303.75-326.25(NW) | 10.4 +- .5 | 2 |
| 326.25-348.75(NNW) | 9.1 +- 1.1 | 3 |
| | | |

| DISTANCE(mi) FROM THE REACTOR | NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 0-2 | 9.9 +- 1.8 | 18 |
| 2-5 | 9.0 +- 1.4 | 12 |
| >5 | 9.4 +- .5 | 3 |
| UPWIND CONTROL DATA | 10.0 +- 1.0 | 3 |

WATTS BAR
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 831214-840427 135 DAYS
FIELD TIME 105 DAYS

| NRC STATION | LOCATION AZIMUTH/DIST (deg.) | (mi.) | GROSS EXPOSURE(mR) +- Rdm;Tot. | | | NET EXPOSURE RATE mR/Std.Qtr. +- Rdm;Tot. | | | |
|---|---|---|---|---|---|---|---|---|---|
| 001 | 337 | 0.9 | 21.8 | +- .7 | 3.3 | 15.7 | +- .7 | | 3.3 |
| 002 | 314 | 2.1 | 22.4 | +- .7 | 3.4 | 16.3 | +- .7 | | 3.3 |
| 003 | 297 | 1.9 | 21.6 | +- .6 | 3.2 | 15.5 | +- .7 | | 3.2 |
| 004 | 272 | 2.0 | 21.2 | +- .6 | 3.2 | 15.2 | +- .7 | | 3.2 |
| 005 | 251 | 1.9 | 23.1 | +- .7 | 3.5 | 16.8 | +- .7 | | 3.4 |
| 006 | 235 | 1.8 | 25.1 | +- .8 | 3.8 | 18.5 | +- .8 | | 3.6 |
| 007 | 230 | 3.8 | 23.4 | +- .7 | 3.5 | 17.1 | +- .7 | | 3.4 |
| 008 | 208 | 3.6 | 22.0 | +- .7 | 3.3 | 15.9 | +- .7 | | 3.3 |
| 009 | 249 | 4.2 | 19.7 | +- .6 | 2.9 | 13.9 | +- .6 | | 3.0 |
| 010 | 266 | 3.1 | 21.1 | +- .6 | 3.2 | 15.1 | +- .7 | | 3.2 |
| 011 | 289 | 3.3 | 18.2 | +- .5 | 2.7 | 12.6 | +- .6 | | 2.9 |
| 012 | 310 | 4.7 | 18.9 | +- .6 | 2.8 | 13.2 | +- .6 | | 2.9 |
| 013 | 337 | 3.6 | 18.8 | +- .6 | 2.8 | 13.2 | +- .6 | | 2.9 |
| 014 | 330 | 7.0 | 19.9 | +- .6 | 3.0 | 14.1 | +- .6 | | 3.0 |
| 015 | 350 | 4.7 | 23.5 | +- .7 | 3.5 | 17.1 | +- .7 | | 3.4 |
| 016 | 7 | 1.1 | 23.0 | +- .7 | 3.4 | 16.7 | +- .7 | | 3.4 |
| 017 | 23 | 1.6 | 18.1 | +- .5 | 2.7 | 12.5 | +- .6 | | 2.9 |
| 018 | 41 | 2.3 | 19.9 | +- .6 | 3.0 | 14.1 | +- .6 | | 3.0 |
| 019 | 69 | 1.3 | 22.2 | +- .7 | 3.3 | 16.1 | +- .7 | | 3.3 |
| 020 | 89 | 1.2 | 25.1 | +- .8 | 3.8 | 18.5 | +- .8 | | 3.6 |
| 021 | 114 | 1.1 | 19.8 | +- .6 | 3.0 | 14.0 | +- .6 | | 3.0 |
| 022 | 141 | 1.0 | 24.4 | +- .7 | 3.7 | 18.0 | +- .7 | | 3.5 |
| 023 | 163 | 1.1 | 26.2 | +- .8 | 3.9 | 19.5 | +- .8 | | 3.7 |
| 024 | 187 | 1.1 | 20.4 | +- .6 | 3.1 | 14.5 | +- .7 | | 3.1 |
| 025 | 203 | 1.2 | 23.0 | +- .7 | 3.4 | 16.7 | +- .7 | | 3.4 |
| 026 | 184 | 5.9 | MISSING OR DAMAGED DOSIMETER | | | | | | |
| 027 | 176 | 4.5 | 20.8 | +- .6 | 3.1 | 14.8 | +- .7 | | 3.1 |
| 028 | 161 | 3.5 | 20.6 | +- .6 | 3.0 | 14.4 | +- .6 | | 3.1 |
| 029 | 144 | 3.0 | 20.7 | +- .6 | 3.1 | 14.8 | +- .7 | | 3.1 |
| 030 | 117 | 3.1 | 20.5 | +- .6 | 3.1 | 14.6 | +- .7 | | 3.1 |
| 031 | 97 | 4.0 | 20.4 | +- .6 | 3.1 | 14.5 | +- .7 | | 3.1 |
| 032 | 76 | 4.1 | 17.9 | +- .5 | 2.7 | 12.3 | +- .6 | | 2.8 |
| 033 | 32 | 4.1 | 22.3 | +- .7 | 3.3 | 16.2 | +- .7 | | 3.3 |
| 034 | 36 | 4.7 | 18.9 | +- .6 | 2.8 | 13.2 | +- .6 | | 2.9 |
| 035 | 338 | 18. | 19.7 | +- .6 | 2.9 | 13.9 | +- .6 | | 2.9 |
| 036 | 338 | 18. | 18.7 | +- .6 | 2.8 | 13.1 | +- .6 | | 2.9 |
| 037 | 338 | 18. | 22.1 | +- .7 | 3.3 | 15.9 | +- .7 | | 3.3 |

TRANSIT DOSE = 3.5 +- .5 ; 1.9

WATTS BAR
FOR THE PERIOD 831214-840427

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

| AZIMUTH (deg.) | NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 348.75-11.25 (N) | 16.9 +- .3 | 2 |
| 11.25-33.75 (NNE) | 14.3 +- 2.6 | 2 |
| 33.75-56.25 (NE) | 13.7 +- .8 | 2 |
| 56.25-78.75 (ENE) | 14.2 +- 2.6 | 2 |
| 78.75-101.25 (E) | 16.5 +- 2.8 | 2 |
| 101.25-123.75(ESE) | 14.3 +- .4 | 2 |
| 123.75-146.25(SE) | 16.4 +- 2.2 | 2 |
| 146.25-168.75(SSE) | 16.9 +- 3.6 | 2 |
| 168.75-191.25(S) | 14.7 +- .2 | 2 |
| 191.25-213.75(SSW) | 16.3 +- .6 | 2 |
| 213.75-236.25(SW) | 17.8 +- 1.0 | 2 |
| 236.25-258.75(WSW) | 15.4 +- 2.1 | 2 |
| 258.75-281.25(W) | 15.1 +- .1 | 2 |
| 281.25-303.75(WNW) | 14.1 +- 2.0 | 2 |
| 303.75-326.25(NW) | 14.7 +- 2.2 | 2 |
| 326.25-348.75(NNW) | 14.3 +- 1.3 | 3 |
| | | |

| DISTANCE(mi) FROM THE REACTOR | NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 0-2 | 16.3 +- 1.9 | 14 |
| 2-5 | 14.8 +- 1.4 | 18 |
| >5 | 14.1 +- 0.0 | 1 |
| UPWIND CONTROL DATA | 14.3 +- 1.5 | 3 |

WOLF CR.
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 831209-840411 124 DAYS
FIELD TIME 90 DAYS

| NRC STATION | LOCATION AZIMUTH/DIST (deg.) | (mi.) | GROSS EXPOSURE(mR) +- Rdm; Tot. | | | NET EXPOSURE RATE mR/Std.Qtr. +- Rdm; Tot. | | |
|---|---|---|---|---|---|---|---|---|
| 001 | 316 | 2.9 | 22.6 +- .7 | ; | 3.4 | 16.8 +- .9 | ; | 4.1 |
| 002 | 330 | 1.8 | 21.7 +- .6 | ; | 3.2 | 15.9 +- .8 | ; | 4.0 |
| 003 | 360 | 2.8 | 21.1 +- .6 | ; | 3.2 | 15.4 +- .8 | ; | 3.9 |
| 004 | 355 | 1.6 | 24.2 +- .7 | ; | 3.6 | 18.5 +- .9 | ; | 4.3 |
| 005 | 031 | 1.8 | 23.1 +- .7 | ; | 3.5 | 17.3 +- .9 | ; | 4.2 |
| 006 | 047 | 2 | 22.3 +- .7 | ; | 3.3 | 16.5 +- .9 | ; | 4.1 |
| 007 | 70 | 1.6 | 22.9 +- .7 | ; | 3.4 | 17.1 +- .9 | ; | 4.1 |
| 008 | 90 | 1.7 | 23.9 +- .7 | ; | 3.6 | 18.2 +- .9 | ; | 4.3 |
| 009 | 111 | 2.4 | 24.3 +- .7 | ; | 3.6 | 18.5 +- .9 | ; | 4.3 |
| 010 | 137 | 2.5 | 25.4 +- .8 | ; | 3.8 | 19.7 +- .9 | ; | 4.5 |
| 011 | 157 | 3.4 | 24.7 +- .7 | ; | 3.7 | 18.9 +- .9 | ; | 4.4 |
| 012 | 184 | 3.3 | 24.4 +- .7 | ; | 3.7 | 18.6 +- .9 | ; | 4.3 |
| 013 | 213 | 2.9 | 23.7 +- .7 | ; | 3.6 | 18.0 +- .9 | ; | 4.2 |
| 014 | 233 | 2.4 | 23.8 +- .7 | ; | 3.6 | 18.1 +- .9 | ; | 4.3 |
| 015 | 248 | 2.2 | 23.4 +- .7 | ; | 3.5 | 17.6 +- .9 | ; | 4.2 |
| 016 | 278 | 2.1 | 24.6 +- .7 | ; | 3.7 | 18.9 +- .9 | ; | 4.4 |
| 017 | 270 | 3.4 | 19.6 +- .6 | ; | 2.9 | 13.9 +- .8 | ; | 3.7 |
| 018 | 263 | 4.2 | 25.9 +- .8 | ; | 3.9 | 20.1 +- .9 | ; | 4.5 |
| 020 | 280 | 3.9 | 22.7 +- .7 | ; | 3.4 | 17.0 +- .9 | ; | 4.1 |
| 021 | 298 | 3.9 | 24.8 +- .7 | ; | 3.7 | 19.0 +- .9 | ; | 4.4 |
| 022 | 319 | 4.8 | 22.5 +- .7 | ; | 3.4 | 16.7 +- .9 | ; | 4.1 |
| 023 | 332 | 5 | 23.2 +- .7 | ; | 3.5 | 17.4 +- .9 | ; | 4.2 |
| 024 | 019 | 3.9 | 23.4 +- .7 | ; | 3.5 | 17.7 +- .9 | ; | 4.2 |
| 025 | 35 | 4.4 | 22.2 +- .7 | ; | 3.3 | 16.4 +- .9 | ; | 4.1 |
| 026 | 57 | 4.3 | 21.9 +- .7 | ; | 3.3 | 16.2 +- .8 | ; | 4.0 |
| 027 | 88 | 4.1 | 24.7 +- .7 | ; | 3.7 | 18.9 +- .9 | ; | 4.4 |
| 028 | 110 | 4.5 | 24.3 +- .7 | ; | 3.6 | 18.5 +- .9 | ; | 4.3 |
| 029 | 128 | 4.4 | 24.6 +- .7 | ; | 3.7 | 18.8 +- .9 | ; | 4.4 |
| 030 | 112 | 16. | 21.8 +- .7 | ; | 3.3 | 16.0 +- .8 | ; | 4.0 |
| 031 | 127 | 9.4 | 21.1 +- .6 | ; | 3.2 | 15.4 +- .8 | ; | 3.9 |
| 032 | 162 | 11. | 22.0 +- .7 | ; | 3.3 | 16.3 +- .8 | ; | 4.0 |
| 033 | 153 | 5.2 | 23.5 +- .7 | ; | 3.5 | 17.7 +- .9 | ; | 4.2 |
| 034 | 174 | 4.7 | 23.3 +- .7 | ; | 3.5 | 17.5 +- .9 | ; | 4.2 |
| 035 | 197 | 5.2 | 22.9 +- .7 | ; | 3.4 | 17.1 +- .9 | ; | 4.1 |
| 036 | 224 | 4.8 | 22.1 +- .7 | ; | 3.3 | 16.4 +- .9 | ; | 4.0 |
| 037 | 220 | 14. | 20.0 +- .6 | ; | 3.0 | 14.3 +- .8 | ; | 3.8 |
| 038 | 253 | 6.5 | MISSING OR DAMAGED DOSIMETER | | | | | |
| 039 | 278 | 10. | 23.3 +- .7 | ; | 3.5 | 17.6 +- .9 | ; | 4.2 |
| 040 | 285 | 15. | 20.4 +- .6 | ; | 3.1 | 14.6 +- .8 | ; | 3.8 |
| 041 | 292 | 6.7 | 22.9 +- .7 | ; | 3.4 | 17.2 +- .9 | ; | 4.1 |
| 042 | 345 | 13. | 23.3 +- .7 | ; | 3.5 | 17.5 +- .9 | ; | 4.2 |
| 043 | 005 | 7.5 | 23.4 +- .7 | ; | 3.5 | 17.7 +- .9 | ; | 4.2 |
| 044 | 020 | 8.3 | MISSING OR DAMAGED DOSIMETER | | | | | |
| 045 | 315 | 7.5 | 24.4 +- .7 | ; | 3.7 | 18.7 +- .9 | ; | 4.3 |
| 046 | 341 | 7.7 | 23.9 +- .7 | ; | 3.6 | 18.2 +- .9 | ; | 4.3 |
| 047 | 355 | 1 | 21.4 +- .6 | ; | 3.2 | 15.6 +- .8 | ; | 4.0 |

TRANSIT DOSE = 5.7 +- .5 ; 2.3

WOLF CR.
FOR THE PERIOD 831209-840411

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

| AZIMUTH (deg.) | NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 348.75-11.25 (N) | 16.8 +- 1.5 | 4 |
| 11.25-33.75 (NNE) | 17.5 +- .2 | 2 |
| 33.75-56.25 (NE) | 16.5 +- .1 | 2 |
| 56.25-78.75 (ENE) | 16.6 +- .7 | 2 |
| 78.75-101.25 (E) | 18.5 +- .5 | 2 |
| 101.25-123.75(ESE) | 17.7 +- 1.4 | 3 |
| 123.75-146.25(SE) | 17.9 +- 2.3 | 3 |
| 146.25-168.75(SSE) | 17.6 +- 1.3 | 3 |
| 168.75-191.25(S) | 18.1 +- .8 | 2 |
| 191.25-213.75(SSW) | 17.5 +- .6 | 2 |
| 213.75-236.25(SW) | 16.2 +- 1.9 | 3 |
| 236.25-258.75(WSW) | 17.6 +- 0.0 | 1 |
| 258.75-281.25(W) | 17.5 +- 2.4 | 5 |
| 281.25-303.75(WNW) | 16.9 +- 2.2 | 3 |
| 303.75-326.25(NW) | 17.4 +- 1.1 | 3 |
| 326.25-348.75(NNW) | 17.2 +- 1.0 | 4 |
| | | |

| DISTANCE(mi) FROM THE REACTOR | NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 0-2 | 17.0 +- 1.1 | 7 |
| 2-5 | 17.7 +- 1.4 | 24 |
| >5 | 18.8 +- 1.4 | 13 |
| UPWIND CONTROL DATA | NO DATA | NO DATA |

YANKEE ROWE
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 831216-840420 126 DAYS
FIELD TIME 98 DAYS

| NRC STATION | LOCATION AZIMUTH/DIST (deg.) | (mi.) | GROSS EXPOSURE(mR) +- Rdm;Tot. | NET EXPOSURE RATE mR/Std.Qtr. +- Rdm;Tot. |
|---|---|---|---|---|
| 001 | 0 | .8 | 23.9 +- .7 ; 3.6 | NO NET DATA |
| 005 | 85 | 2.2 | 18.9 +- .6 ; 2.8 | NO NET DATA |
| 006 | 118 | 2.6 | 19.8 +- .6 ; 3.0 | NO NET DATA |
| 007 | 137 | 2.1 | 20.7 +- .6 ; 3.1 | NO NET DATA |
| 008 | 153 | 1.7 | 20.1 +- .6 ; 3.0 | NO NET DATA |
| 009 | 176 | 1.1 | 19.1 +- .6 ; 2.9 | NO NET DATA |
| 010 | 203 | .5 | 19.2 +- .6 ; 2.9 | NO NET DATA |
| 011 | 219 | .6 | 19.5 +- .6 ; 2.9 | NO NET DATA |
| 012 | 239 | 1.1 | 24.1 +- .7 ; 3.6 | NO NET DATA |
| 013 | 272 | 1.8 | MISSING OR DAMAGED DOSIMETER | |
| 014 | 292 | 1.3 | MISSING OR DAMAGED DOSIMETER | |
| 015 | 315 | 1.6 | 20.7 +- .6 ; 3.1 | NO NET DATA |
| 016 | 348 | 1.4 | 20.5 +- .6 ; 3.1 | NO NET DATA |
| 017 | 358 | 2.8 | 18.4 +- .6 ; 2.8 | NO NET DATA |
| 018 | 21 | 2.8 | 18.5 +- .6 ; 2.8 | NO NET DATA |
| 019 | 43 | 5.8 | 19.4 +- .6 ; 2.9 | NO NET DATA |
| 020 | 75 | 6 | 19.8 +- .6 ; 3.0 | NO NET DATA |
| 021 | 98 | 6 | 19.4 +- .6 ; 2.9 | NO NET DATA |
| 022 | 104 | 5.2 | 17.7 +- .5 ; 2.7 | NO NET DATA |
| 023 | 133 | 5.7 | MISSING OR DAMAGED DOSIMETER | |
| 024 | 157 | 7.5 | 18.3 +- .5 ; 2.7 | NO NET DATA |
| 025 | 184 | 6.3 | 18.8 +- .6 ; 2.8 | NO NET DATA |
| 027 | 225 | 5.9 | 20.2 +- .6 ; 3.0 | NO NET DATA |
| 029 | 269 | 3.5 | 20.5 +- .6 ; 3.1 | NO NET DATA |
| 032 | 342 | 3.3 | 20.1 +- .6 ; 3.0 | NO NET DATA |
| 034 | 48 | 7.3 | 20.7 +- .6 ; 3.1 | NO NET DATA |
| 035 | 39 | 2.3 | 18.4 +- .6 ; 2.8 | NO NET DATA |
| 047 | 260 | 9.6 | 21.4 +- .6 ; 3.2 | NO NET DATA |
| 048 | 261 | 9 | 22.3 +- .7 ; 3.3 | NO NET DATA |

NO TRANSIT DOSE CALCULATED (TLD CONTROLS MISSING OR OTHERWISE NOT COMPLETE)

YANKEE ROWE
FOR THE PERIOD 831216-840420

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

| AZIMUTH (deg.) | AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 348.75-11.25 (N) | 15.1 +- 2.8 | 2 |
| 11.25-33.75 (NNE) | 13.2 +- 0.0 | 1 |
| 33.75-56.25 (NE) | 13.9 +- .8 | 3 |
| 56.25-78.75 (ENE) | 14.1 +- 0.0 | 1 |
| 78.75-101.25 (E) | 13.7 +- .3 | 2 |
| 101.25-123.75(ESE) | 13.4 +- 1.1 | 2 |
| 123.75-146.25(SE) | 14.8 +- 0.0 | 1 |
| 146.25-168.75(SSE) | 13.7 +- .9 | 2 |
| 168.75-191.25(S) | 13.5 +- .1 | 2 |
| 191.25-213.75(SSW) | 13.7 +- 0.0 | 1 |
| 213.75-236.25(SW) | 14.2 +- .4 | 2 |
| 236.25-258.75(WSW) | 17.2 +- 0.0 | 1 |
| 258.75-281.25(W) | 14.6 +- 0.0 | 1 |
| 281.25-303.75(WNW) | NO DATA+-NO DATA | 0 |
| 303.75-326.25(NW) | 14.8 +- 0.0 | 1 |
| 326.25-348.75(NNW) | 14.5 +- .2 | 2 |
| | | |

| DISTANCE(mi) FROM THE REACTOR | AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 0-2 | 14.9 +- 1.4 | 8 |
| 2-5 | 13.9 +- .7 | 8 |
| >5 | 13.8 +- .7 | 8 |
| UPWIND CONTROL DATA | 15.6 +- .5 | 2 |

ZIMMER
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 831209-840413 126 DAYS
FIELD TIME 71 DAYS

| NRC STATION | LOCATION AZIMUTH (deg.) | LOCATION DIST (mi.) | GROSS EXPOSURE(mR) +- Rdm | GROSS EXPOSURE(mR) Tot. | NET EXPOSURE RATE mR/Std.Qtr. +- Rdm | NET EXPOSURE RATE mR/Std.Qtr. Tot. |
|---|---|---|---|---|---|---|
| 001 | 182 | 0.4 | 24.0 +- .7 | 3.6 | 15.4 +- 1.2 | 5.9 |
| 002 | 150 | 1.0 | 26.4 +- .8 | 4.0 | 18.4 +- 1.3 | 6.3 |
| 003 | 133 | 1.1 | 27.5 +- .8 | 4.1 | 19.8 +- 1.3 | 6.4 |
| 004 | 106 | 2.1 | 28.2 +- .8 | 4.2 | 20.7 +- 1.3 | 6.5 |
| 005 | 82 | 2.9 | 25.3 +- .8 | 3.8 | 17.1 +- 1.2 | 6.1 |
| 006 | 091 | 4.4 | 24.6 +- .7 | 3.7 | 16.2 +- 1.2 | 6.0 |
| 007 | 106 | 7.3 | 24.2 +- .7 | 3.6 | 15.7 +- 1.2 | 5.9 |
| 008 | 135 | 6.6 | 27.1 +- .8 | 4.1 | 19.4 +- 1.3 | 6.4 |
| 009 | 163 | 4.2 | 27.8 +- .8 | 4.2 | 20.2 +- 1.3 | 6.5 |
| 010 | 129 | 3.9 | 25.5 +- .8 | 3.8 | 17.3 +- 1.3 | 6.1 |
| 011 | 115 | 4.6 | MISSING OR DAMAGED DOSIMETER | | | |
| 012 | 74 | 3.9 | 26.1 +- .8 | 3.9 | 18.1 +- 1.3 | 6.2 |
| 013 | 50 | 3.6 | 26.8 +- .8 | 4.0 | 19.0 +- 1.3 | 6.3 |
| 014 | 22 | 4.1 | 25.1 +- .8 | 3.8 | 16.8 +- 1.2 | 6.1 |
| 015 | 354 | 3.7 | 24.8 +- .7 | 3.7 | 16.5 +- 1.2 | 6.0 |
| 016 | 359 | 2.1 | MISSING OR DAMAGED DOSIMETER | | | |
| 017 | 26 | 2.0 | 28.3 +- .8 | 4.2 | 20.9 +- 1.3 | 6.6 |
| 018 | 47 | 1.6 | 26.6 +- .8 | 4.0 | 18.7 +- 1.3 | 6.3 |
| 019 | 72 | 0.8 | 25.9 +- .8 | 3.9 | 17.9 +- 1.3 | 6.2 |
| 020 | 335 | 7.3 | 27.2 +- .8 | 4.1 | 19.5 +- 1.3 | 6.4 |
| 021 | 332 | 4.0 | 23.5 +- .7 | 3.5 | 14.8 +- 1.2 | 5.8 |
| 022 | 335 | 1.8 | 26.9 +- .8 | 4.0 | 19.1 +- 1.3 | 6.3 |
| 023 | 310 | 2.1 | 26.1 +- .8 | 3.9 | 18.1 +- 1.3 | 6.2 |
| 024 | 286 | 1.9 | 25.1 +- .8 | 3.8 | 16.9 +- 1.2 | 6.1 |
| 025 | 276 | 1.4 | MISSING OR DAMAGED DOSIMETER | | | |
| 026 | 247 | 0.9 | 26.5 +- .8 | 4.0 | 18.6 +- 1.3 | 6.3 |
| 027 | 218 | 1.1 | 25.3 +- .8 | 3.8 | 17.1 +- 1.2 | 6.1 |
| 028 | 200 | 1.9 | 26.1 +- .8 | 3.9 | 18.1 +- 1.3 | 6.2 |
| 029 | 191 | 4.5 | 25.2 +- .8 | 3.8 | 17.0 +- 1.2 | 6.1 |
| 030 | 212 | 4.4 | 26.2 +- .8 | 3.9 | 18.2 +- 1.3 | 6.2 |
| 031 | 229 | 4.1 | 26.9 +- .8 | 4.0 | 19.1 +- 1.3 | 6.3 |
| 032 | 248 | 3.5 | 26.2 +- .8 | 3.9 | 18.3 +- 1.3 | 6.3 |
| 033 | 270 | 3.7 | 25.3 +- .8 | 3.8 | 17.1 +- 1.2 | 6.1 |
| 034 | 292 | 4.5 | 25.4 +- .8 | 3.8 | 17.2 +- 1.3 | 6.1 |
| 035 | 317 | 4.6 | 26.3 +- .8 | 3.9 | 18.4 +- 1.3 | 6.3 |
| 036 | 106 | 19. | 24.3 +- .7 | 3.6 | 15.8 +- 1.2 | 6.0 |
| 037 | 107 | 20. | 26.4 +- .8 | 4.0 | 18.4 +- 1.3 | 6.3 |
| 038 | 107 | 20. | 26.1 +- .8 | 3.9 | 18.1 +- 1.3 | 6.2 |
| TRANSIT DOSE = | 11.8 | +- .6 | 3.0 | | | |

ZIMMER
FOR THE PERIOD 831209-840413

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

| AZIMUTH (deg.) | NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 348.75-11.25 (N) | 16.5 +- 0.0 | 1 |
| 11.25-33.75 (NNE) | 18.9 +- 2.9 | 2 |
| 33.75-56.25 (NE) | 18.9 +- .2 | 2 |
| 56.25-78.75 (ENE) | 18.0 +- .2 | 2 |
| 78.75-101.25 (E) | 16.6 +- .6 | 2 |
| 101.25-123.75(ESE) | 18.2 +- 3.6 | 2 |
| 123.75-146.25(SE) | 18.8 +- 1.4 | 3 |
| 146.25-168.75(SSE) | 19.3 +- 1.3 | 2 |
| 168.75-191.25(S) | 16.2 +- 1.1 | 2 |
| 191.25-213.75(SSW) | 18.1 +- .1 | 2 |
| 213.75-236.25(SW) | 18.1 +- 1.4 | 2 |
| 236.25-258.75(WSW) | 18.4 +- .3 | 2 |
| 258.75-281.25(W) | 17.1 +- 0.0 | 1 |
| 281.25-303.75(WNW) | 17.1 +- .3 | 2 |
| 303.75-326.25(NW) | 18.2 +- .2 | 2 |
| 326.25-348.75(NNW) | 17.8 +- 2.6 | 3 |
| | | |

| DISTANCE(mi) FROM THE REACTOR | NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 0-2 | 18.3 +- 1.5 | 11 |
| 2-5 | 17.8 +- 1.4 | 18 |
| >5 | 18.2 +- 2.2 | 3 |
| UPWIND CONTROL DATA | 17.4 +- 1.4 | 3 |

ZION
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 831209-840407 120 DAYS
FIELD TIME 87 DAYS

| NRC STATION | LOCATION AZIMUTH (deg.) | LOCATION DIST (mi.) | GROSS EXPOSURE(mR) +- Rdm;Tot. | NET EXPOSURE RATE mR/Std.Qtr. +- Rdm;Tot. |
|---|---|---|---|---|
| 001 | 287 | 1.0 | MISSING OR DAMAGED DOSIMETER | |
| 002 | 192 | 1.0 | 15.9 +- .5 ; 2.4 | 11.6 +- .7 ; 3.4 |
| 003 | 187 | 1.5 | 18.8 +- .6 ; 2.8 | 14.6 +- .8 ; 3.7 |
| 004 | 227 | 2.4 | 20.0 +- .6 ; 3.0 | 15.8 +- .8 ; 3.9 |
| 005 | 257 | 1.8 | 21.1 +- .6 ; 3.2 | 17.0 +- .8 ; 4.0 |
| 006 | 264 | 1.2 | 20.9 +- .6 ; 3.1 | 16.8 +- .8 ; 4.0 |
| 007 | 287 | 1.6 | 20.2 +- .6 ; 3.0 | 16.1 +- .8 ; 3.9 |
| 008 | 320 | 1.8 | 18.5 +- .6 ; 2.8 | 14.3 +- .8 ; 3.7 |
| 009 | 343 | 2.6 | 18.8 +- .6 ; 2.8 | 14.6 +- .8 ; 3.7 |
| 010 | 356 | 4.5 | 18.4 +- .6 ; 2.8 | 14.2 +- .8 ; 3.7 |
| 011 | 337 | 4.5 | 19.5 +- .6 ; 2.9 | 15.4 +- .8 ; 3.8 |
| 012 | 310 | 4.0 | 20.7 +- .6 ; 3.1 | 16.6 +- .8 ; 4.0 |
| 013 | 293 | 3.5 | 21.9 +- .7 ; 3.3 | 17.8 +- .9 ; 4.1 |
| 014 | 280 | 4.5 | 21.9 +- .7 ; 3.3 | 17.8 +- .9 ; 4.1 |
| 015 | 239 | 3.2 | 20.6 +- .6 ; 3.1 | 16.4 +- .8 ; 3.9 |
| 016 | 227 | 3.5 | 21.5 +- .6 ; 3.2 | 17.4 +- .9 ; 4.1 |
| 017 | 210 | 4.5 | 18.3 +- .5 ; 2.7 | 14.1 +- .8 ; 3.7 |
| 018 | 206 | 2.8 | 19.2 +- .6 ; 2.9 | 15.0 +- .8 ; 3.8 |
| 019 | 342 | 2.7 | 19.4 +- .6 ; 2.9 | 15.3 +- .8 ; 3.8 |
| 020 | 197 | 14. | 22.5 +- .7 ; 3.4 | 18.5 +- .9 ; 4.2 |
| 021 | 352 | 7.9 | 16.5 +- .5 ; 2.5 | 12.3 +- .7 ; 3.4 |
| 022 | 348 | 8.3 | 17.9 +- .5 ; 2.7 | 13.6 +- .8 ; 3.6 |
| 023 | 336 | 8.5 | 19.3 +- .6 ; 2.9 | 15.1 +- .8 ; 3.8 |
| 024 | 314 | 5.8 | 18.9 +- .6 ; 2.8 | 14.7 +- .8 ; 3.7 |
| 025 | 220 | 6.3 | 20.3 +- .6 ; 3.0 | 16.1 +- .8 ; 3.9 |
| 026 | 195 | 8.0 | 18.6 +- .6 ; 2.8 | 14.4 +- .8 ; 3.7 |
| 028 | 197 | 14. | 21.8 +- .7 ; 3.3 | 17.7 +- .9 ; 4.1 |
| 030 | 320 | 9.8 | 21.5 +- .6 ; 3.2 | 17.4 +- .9 ; 4.0 |
| 031 | 229 | 8.0 | 19.8 +- .6 ; 3.0 | 15.6 +- .8 ; 3.8 |
| TRANSIT DOSE = | | | 4.7 +- .5 ; 2.2 | |

ZION
FOR THE PERIOD 831209-840407

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

| AZIMUTH (deg.) | NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 348.75-11.25 (N) | 13.2 +- 1.4 | 2 |
| 11.25-33.75 (NNE) | NO DATA+-NO DATA | 0 |
| 33.75-56.25 (NE) | NO DATA+-NO DATA | 0 |
| 56.25-78.75 (ENE) | NO DATA+-NO DATA | 0 |
| 78.75-101.25 (E) | NO DATA+-NO DATA | 0 |
| 101.25-123.75(ESE) | NO DATA+-NO DATA | 0 |
| 123.75-146.25(SE) | NO DATA+-NO DATA | 0 |
| 146.25-168.75(SSE) | NO DATA+-NO DATA | 0 |
| 168.75-191.25(S) | 14.6 +- 0.0 | 1 |
| 191.25-213.75(SSW) | 13.8 +- 1.5 | 4 |
| 213.75-236.25(SW) | 16.2 +- .8 | 4 |
| 236.25-258.75(WSW) | 16.7 +- .4 | 2 |
| 258.75-281.25(W) | 17.3 +- .7 | 2 |
| 281.25-303.75(WNW) | 17.0 +- 1.2 | 2 |
| 303.75-326.25(NW) | 15.8 +- 1.5 | 4 |
| 326.25-348.75(NNW) | 14.8 +- .7 | 5 |
| | | |

| DISTANCE(mi) FROM THE REACTOR | NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev. | # IN GROUP |
|---|---|---|
| 0-2 | 15.1 +- 2.0 | 6 |
| 2-5 | 15.9 +- 1.3 | 12 |
| >5 | 14.9 +- 1.6 | 8 |
| UPWIND CONTROL DATA | 18.1 +- .5 | 2 |

NRC FORM 335 (2-84) NRCM 1102, 3201, 3202

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This report provides the status and results of the NRC Thermoluminescent Dosimeter (TLD) Direct Radiation Monitoring Network. It presents the radiation levels measured in the vicinity of NRC licensed facility sites throughout the country for the first quarter of 1984.

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