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NRC TLD Direct Radiation Monitoring Network

Progress Report
April-June 1994

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

MASTER

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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 second quarter of 1994. 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. A similar description can also be found in the fourth quarter report of each subsequent year. The National Institute of Standards and Technology (formerly the National Bureau of Standards) has performed 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. NIST 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-3775.

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 dosimeters 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, the net exposure normalized to a 90-day quarter (standard quarter), and the historical average and standard

deviation for the station. All measurements for the current quarter 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 net 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 transit control dosimeter, 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.

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, 475 Allendale Road, King of Prussia, Pennsylvania 19406, ATTN: Radiation Dosimetry Specialist.

Missing TLDs - Millstone Site

An unusually large number of TLDs from the Millstone site were lost for the second quarter of 1994. The contractor who places these TLD around the site indicated that, with the exception of location numbers 9, 14, and 29, all TLDs for the site were returned to the NRC following their exchange in late June, 1994. It is possible that the box containing these TLDs became damaged in transit, and that it was resealed by the postal service after the other missing TLDs were lost.

Sites Monitored During the Second Quarter 1994

1. Arkansas Nuclear One	37. Millstone
2. Beaver Valley	38. Monticello
3. Big Rock Point	39. North Anna
4. Braidwood	40. Oconee
5. Browns Ferry	41. Oyster Creek
6. Brunswick	42. Palisades
7. Byron	43. Palo Verde
8. Callaway	44. Peach Bottom
9. Calvert Cliffs	45. Perry
10. Catawba	46. Pilgrim
11. Clinton	47. Prairie Island
12. Comanche Peak	48. Quad Cities
13. Cooper	49. Rancho Seco
14. Crystal River	50. River Bend
15. Davis Besse	51. Robinson
16. D.C. Cook	52. Salem/Hope Creek
17. Diablo Canyon	53. San Onofre
18. Dresden	54. Seabrook
19. Duane Arnold	55. Sequoyah
20. Farley	56. Shoreham
21. Fermi	57. South Texas
22. FitzPatrick/Nine Mile Point	58. St. Lucie
23. Fort Calhoun	59. Summer
24. Fort St. Vrain	60. Surry
25. Ginna	61. Susquehanna
26. Grand Gulf	62. Three Mile Island
27. Haddam Neck	63. Trojan
28. Harris	64. Turkey Point
29. Hatch	65. Vermont Yankee
30. Indian Point	66. Vogtle
31. Kewaunee/Point Beach	67. Washington Nuclear 2
32. Lacrosse	68. Waterford
33. LaSalle	69. Watts Bar
34. Limerick	70. Wolf Creek
35. Maine Yankee	71. Yankee Rowe
36. McGuire	72. Zion

ARKANSAS

TLD Direct Radiation Environmental Monitoring

For the period 940315-940803 142 Days

Field Time: 108 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)	Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev	
1	4	0.4	24.0 +- 0.7; 3.6	16.0 +- 0.7; 4.2	17.7 +- 1.8
2	353	4.1	24.5 +- 0.7; 3.7	16.5 +- 0.7; 4.2	17.6 +- 1.8
3	32	1.3	25.5 +- 0.8; 3.8	17.3 +- 0.7; 4.3	18.4 +- 2.0
4	13	3.3	23.4 +- 0.7; 3.5	15.6 +- 0.7; 4.1	16.9 +- 1.8
5	53	1.5	23.6 +- 0.7; 3.5	15.7 +- 0.7; 4.2	17.7 +- 1.9
6	37	3.6	23.8 +- 0.7; 3.6	15.9 +- 0.7; 4.2	16.8 +- 1.6
7	78	2.5	26.3 +- 0.8; 3.9	17.9 +- 0.7; 4.4	19.2 +- 2.2
8	60	3.2	25.9 +- 0.8; 3.9	17.6 +- 0.7; 4.4	20.2 +- 2.6
9	92	0.5	26.6 +- 0.8; 4.0	18.2 +- 0.7; 4.4	19.3 +- 2.2
10	83	5.5	24.3 +- 0.7; 3.6	16.2 +- 0.7; 4.2	17.8 +- 1.9
11	122	2.1	23.3 +- 0.7; 3.5	15.4 +- 0.7; 4.1	16.6 +- 1.8
12	109	6.8	25.1 +- 0.8; 3.8	16.9 +- 0.7; 4.3	18.3 +- 1.9
13	138	2.6	21.8 +- 0.7; 3.3	14.2 +- 0.6; 4.0	15.2 +- 1.7
14	130	4.9	23.3 +- 0.7; 3.5	15.4 +- 0.7; 4.1	16.2 +- 1.9
16	167	4.4	23.8 +- 0.7; 3.6	15.8 +- 0.7; 4.2	17.9 +- 1.7
17	171	0.4	24.1 +- 0.7; 3.6	16.1 +- 0.7; 4.2	17.3 +- 1.9
18	189	3.2	24.8 +- 0.7; 3.7	16.7 +- 0.7; 4.3	17.6 +- 1.8
19	205	2.9	24.4 +- 0.7; 3.7	16.3 +- 0.7; 4.2	16.9 +- 2.0
20	195	5.8	22.1 +- 0.7; 3.3	14.5 +- 0.7; 4.0	16.3 +- 2.1
21	235	0.5	26.2 +- 0.8; 3.9	17.8 +- 0.7; 4.4	19.6 +- 2.0
22	230	3.6	20.9 +- 0.6; 3.1	13.5 +- 0.6; 3.9	14.4 +- 1.6
23	257	2.8	23.1 +- 0.7; 3.5	15.2 +- 0.7; 4.1	16.2 +- 1.7
24	243	4.5	23.9 +- 0.7; 3.6	15.9 +- 0.7; 4.2	17.0 +- 1.7
25	279	1.2	27.2 +- 0.8; 4.1	18.7 +- 0.8; 4.5	20.4 +- 2.1
26	263	4.3	23.6 +- 0.7; 3.5	15.7 +- 0.7; 4.2	17.6 +- 1.9
27	298	0.4	25.5 +- 0.8; 3.8	17.3 +- 0.7; 4.3	18.9 +- 1.9
28	293	5.8	23.1 +- 0.7; 3.5	15.3 +- 0.7; 4.1	17.2 +- 2.1
29	326	1.9	25.8 +- 0.8; 3.9	17.5 +- 0.7; 4.4	18.1 +- 1.9
30	308	4.8	24.2 +- 0.7; 3.6	16.2 +- 0.7; 4.2	18.0 +- 2.0
31	345	1.3	24.9 +- 0.7; 3.7	16.7 +- 0.7; 4.3	18.7 +- 2.0
32	335	4.2	22.3 +- 0.7; 3.3	14.6 +- 0.7; 4.0	16.0 +- 1.9
33	110	0.8	25.8 +- 0.8; 3.9	17.5 +- 0.7; 4.4	18.8 +- 2.1
39	112	6.0	25.4 +- 0.8; 3.8	17.2 +- 0.7; 4.3	18.5 +- 2.0
40	147	8.0	24.8 +- 0.7; 3.7	16.7 +- 0.7; 4.3	18.7 +- 1.9
41	106	17.0	25.2 +- 0.8; 3.8	17.0 +- 0.7; 4.3	18.1 +- 1.5
42	310	17.0	22.2 +- 0.7; 3.3	14.6 +- 0.7; 4.0	16.2 +- 1.9
43	105	5.2	24.6 +- 0.7; 3.7	16.5 +- 0.7; 4.2	18.6 +- 2.0
44	315	13.0	24.8 +- 0.7; 3.7	16.7 +- 0.7; 4.3	17.8 +- 2.0
45	47	8.9	22.2 +- 0.7; 3.3	14.5 +- 0.7; 4.0	15.8 +- 2.1
46	115	8.3	25.6 +- 0.8; 3.8	17.4 +- 0.7; 4.3	18.5 +- 2.1
47	208	20.0	23.9 +- 0.7; 3.6	16.0 +- 0.7; 4.2	18.6 +- 2.5
48	179	19.0	23.8 +- 0.7; 3.6	15.8 +- 0.7; 4.2	18.3 +- 2.2
49	150	22.0	24.5 +- 0.7; 3.7	16.4 +- 0.7; 4.2	19.8 +- 1.9

Transit Dose = 4.8 +- 0.4; 3.5

ARKANSAS

For the period 940315-940803

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	16.2 +- 0.3	2
11.26 - 33.75 NNE	16.4 +- 1.2	2
33.76 - 56.25 NE	15.4 +- 0.8	3
56.26 - 78.75 ENE	17.8 +- 0.2	2
78.76 - 101.25 E	17.2 +- 1.4	2
101.26 - 123.75 ESE	16.8 +- 0.7	7
123.76 - 146.25 SE	14.8 +- 0.8	2
146.26 - 168.75 SSE	16.3 +- 0.6	2
168.76 - 191.25 S	16.4 +- 0.5	2
191.26 - 213.75 SSW	15.4 +- 1.3	2
213.76 - 236.25 SW	15.6 +- 3.1	2
236.26 - 258.75 WSW	15.6 +- 0.5	2
258.76 - 281.25 W	17.2 +- 2.1	2
281.26 - 303.75 WNW	16.3 +- 1.4	2
303.76 - 326.25 NW	16.2 +- 1.3	4
326.26 - 348.75 NNW	15.7 +- 1.5	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	17.2 +- 0.9	11
2 - 5	15.8 +- 1.1	17
> 5	16.1 +- 1.1	12
Upwind Control	16.1 +- 0.3	3

NRC TLD DOSES FOR ARKANSAS AREA

Miles

Legend

Water
Highways

Railroads
Roads

Plant..site

BEAVER VALLEY

TLD Direct Radiation Environmental Monitoring

For the period 940314-940727 136 Days

Field Time: 92 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)		Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	340	15.8	22.9 +- 0.7; 3.4	15.3 +- 0.8; 4.7	17.1 +- 1.8
2	3	13.1	22.6 +- 0.7; 3.4	15.0 +- 0.8; 4.6	17.3 +- 1.7
4	30	11.9	22.8 +- 0.7; 3.4	15.1 +- 0.8; 4.7	19.6 +- 2.2
5	53	8.2	23.9 +- 0.7; 3.6	16.2 +- 0.8; 4.8	18.6 +- 1.6
6	58	9.1	24.4 +- 0.7; 3.7	16.7 +- 0.8; 4.8	19.3 +- 1.7
7	97	8.0	25.0 +- 0.8; 3.8	17.3 +- 0.9; 4.9	19.7 +- 1.8
8	110	4.2	23.1 +- 0.7; 3.5	15.4 +- 0.8; 4.7	19.0 +- 1.7
9	111	1.9	25.5 +- 0.8; 3.8	17.8 +- 0.9; 4.9	19.9 +- 1.9
10	92	2.2	24.9 +- 0.7; 3.7	17.1 +- 0.9; 4.9	19.3 +- 1.4
11	64	3.6	25.5 +- 0.8; 3.8	17.8 +- 0.9; 5.0	19.6 +- 2.1
12	148	4.0	26.4 +- 0.8; 4.0	18.7 +- 0.9; 5.0	20.9 +- 1.3
13	171	4.4	24.7 +- 0.7; 3.7	17.0 +- 0.8; 4.9	18.6 +- 1.7
14	183	4.4	24.7 +- 0.7; 3.7	17.0 +- 0.8; 4.9	18.4 +- 1.4
15	198	3.6	24.5 +- 0.7; 3.7	16.8 +- 0.8; 4.8	18.8 +- 1.8
16	254	5.7	23.9 +- 0.7; 3.6	16.2 +- 0.8; 4.8	18.3 +- 1.5
17	267	6.5	22.9 +- 0.7; 3.4	15.2 +- 0.8; 4.7	17.7 +- 1.7
18	231	2.5	24.7 +- 0.7; 3.7	17.0 +- 0.8; 4.9	18.6 +- 1.7
19	266	2.5	26.1 +- 0.8; 3.9	18.4 +- 0.9; 5.0	20.2 +- 1.7
20	291	3.8	22.3 +- 0.7; 3.3	14.6 +- 0.8; 4.6	17.1 +- 2.0
21	298	2.4	26.8 +- 0.8; 4.0	19.0 +- 0.9; 5.1	20.8 +- 1.8
22	219	1.5	24.6 +- 0.7; 3.7	16.9 +- 0.8; 4.8	17.7 +- 1.3
23	252	2.4	26.2 +- 0.8; 3.9	18.5 +- 0.9; 5.0	21.1 +- 2.4
24	207	2.2	24.6 +- 0.7; 3.7	16.8 +- 0.8; 4.8	19.6 +- 1.8
25	187	2.2	26.3 +- 0.8; 3.9	18.6 +- 0.9; 5.0	20.0 +- 1.7
26	158	2.2	24.9 +- 0.7; 3.7	17.2 +- 0.9; 4.9	19.1 +- 1.9
27	135	1.9	24.7 +- 0.7; 3.7	17.0 +- 0.8; 4.9	19.8 +- 1.5
28	99	1.4	25.8 +- 0.8; 3.9	18.1 +- 0.9; 5.0	20.3 +- 1.9
29	64	1.4	23.8 +- 0.7; 3.6	16.1 +- 0.8; 4.8	18.5 +- 1.9
30	53	1.0	25.6 +- 0.8; 3.8	17.9 +- 0.9; 5.0	19.0 +- 1.7
31	320	1.4	Missing Dosimeter	No Net Data	21.3 +- 2.0
32	320	3.5	24.4 +- 0.7; 3.7	16.7 +- 0.8; 4.8	18.9 +- 1.9
33	335	2.5	24.5 +- 0.7; 3.7	16.8 +- 0.8; 4.8	19.1 +- 1.8
34	340	5.2	21.3 +- 0.6; 3.2	13.7 +- 0.8; 4.5	17.0 +- 2.3
35	4	3.5	26.4 +- 0.8; 4.0	18.7 +- 0.9; 5.1	19.7 +- 1.9
36	23	3.2	27.9 +- 0.8; 4.2	20.1 +- 0.9; 5.2	21.8 +- 1.9
37	42	2.8	22.2 +- 0.7; 3.3	14.6 +- 0.8; 4.6	16.5 +- 1.2
38	27	1.6	22.1 +- 0.7; 3.3	14.5 +- 0.8; 4.6	17.7 +- 2.1
39	348	1.6	25.2 +- 0.8; 3.8	17.5 +- 0.9; 4.9	19.0 +- 1.9
40	340	15.8	21.4 +- 0.6; 3.2	13.7 +- 0.8; 4.5	16.4 +- 1.8
41	340	15.8	23.3 +- 0.7; 3.5	15.6 +- 0.8; 4.7	16.9 +- 1.6

Transit Dose = 7.3 +- 0.4; 3.3

BEAVER VALLEY
For the period 940314-940727

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	16.8 +- 2.6	2
11.26 - 33.75 NNE	16.5 +- 3.1	3
33.76 - 56.25 NE	16.2 +- 1.7	3
56.26 - 78.75 ENE	16.9 +- 0.9	3
78.76 - 101.25 E	17.5 +- 0.5	3
101.26 - 123.75 ESE	16.6 +- 1.7	2
123.76 - 146.25 SE	17.0 +- 0.0	1
146.26 - 168.75 SSE	17.9 +- 1.0	2
168.76 - 191.25 S	17.5 +- 0.9	3
191.26 - 213.75 SSW	16.8 +- 0.0	2
213.76 - 236.25 SW	17.0 +- 0.1	2
236.26 - 258.75 WSW	17.3 +- 1.6	2
258.76 - 281.25 W	16.8 +- 2.2	2
281.26 - 303.75 WNW	16.8 +- 3.1	2
303.76 - 326.25 NW	16.7 +- 0.0	1
326.26 - 348.75 NNW	16.0 +- 2.0	3

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	16.9 +- 1.2	8
2 - 5	17.3 +- 1.4	20
> 5	15.7 +- 1.2	8
Upwind Control	14.9 +- 1.0	3

NRC TLD DOSES FOR BEAVER VALLEY AREA

Miles

Legend

Water

Highways

Roads

Plant..site

BIG ROCK

TLD Direct Radiation Environmental Monitoring

For the period 940316-940719 126 Days

Field Time: 94 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)	Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	208 4.9	17.0 +- 0.5; 2.6	12.7 +- 0.6; 3.8	13.8 +- 1.6
2	220 3.6	15.6 +- 0.5; 2.3	11.3 +- 0.6; 3.7	12.7 +- 1.9
3	204 2.4	17.3 +- 0.5; 2.6	13.0 +- 0.6; 3.8	13.0 +- 2.1
4	176 3.3	17.1 +- 0.5; 2.6	12.8 +- 0.6; 3.8	12.7 +- 1.8
5	161 4.6	17.0 +- 0.5; 2.6	12.8 +- 0.6; 3.8	13.2 +- 1.9
6	133 4.7	19.1 +- 0.6; 2.9	14.8 +- 0.6; 4.0	14.3 +- 2.0
7	116 3.7	20.2 +- 0.6; 3.0	15.8 +- 0.7; 4.1	15.0 +- 2.0
8	111 4.7	19.3 +- 0.6; 2.9	14.9 +- 0.6; 4.0	14.7 +- 2.4
9	98 4.5	17.0 +- 0.5; 2.5	12.7 +- 0.6; 3.8	13.3 +- 1.7
10	88 12.0	16.3 +- 0.5; 2.4	12.0 +- 0.6; 3.7	12.7 +- 1.7
11	83 16.0	14.8 +- 0.4; 2.2	10.6 +- 0.5; 3.6	13.2 +- 2.3
12	83 16.0	14.7 +- 0.4; 2.2	10.5 +- 0.5; 3.6	12.8 +- 2.0
13	83 16.0	16.2 +- 0.5; 2.4	12.0 +- 0.6; 3.7	12.7 +- 1.7
14	77 3.4	16.5 +- 0.5; 2.5	12.2 +- 0.6; 3.7	12.1 +- 1.7
15	96 1.8	17.5 +- 0.5; 2.6	13.2 +- 0.6; 3.8	14.1 +- 1.9
16	118 2.0	17.8 +- 0.5; 2.7	13.5 +- 0.6; 3.9	13.9 +- 2.1
17	134 2.0	17.8 +- 0.5; 2.7	13.5 +- 0.6; 3.9	13.6 +- 1.7
18	222 1.9	14.7 +- 0.4; 2.2	10.5 +- 0.5; 3.6	12.4 +- 2.1
19	194 1.4	19.3 +- 0.6; 2.9	14.9 +- 0.6; 4.0	15.1 +- 2.0
20	179 1.5	17.5 +- 0.5; 2.6	13.2 +- 0.6; 3.8	13.4 +- 1.7
21	153 1.1	Damaged Dosimeter	No Net Data	13.1 +- 1.6

Transit Dose = 3.7 +- 0.3; 3.0

BIG ROCK
For the period 940316-940719

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	No Data +- No Data	0
11.26 - 33.75 NNE	No Data +- No Data	0
33.76 - 56.25 NE	No Data +- No Data	0
56.26 - 78.75 ENE	12.2 +- 0.0	1
78.76 - 101.25 E	12.7 +- 0.6	3
101.26 - 123.75 ESE	14.7 +- 1.2	3
123.76 - 146.25 SE	14.1 +- 0.9	2
146.26 - 168.75 SSE	12.8 +- 0.0	1
168.76 - 191.25 S	13.0 +- 0.3	2
191.26 - 213.75 SSW	13.6 +- 1.2	3
213.76 - 236.25 SW	10.9 +- 0.6	2
236.26 - 258.75 WSW	No Data +- No Data	0
258.76 - 281.25 W	No Data +- No Data	0
281.26 - 303.75 WNW	No Data +- No Data	0
303.76 - 326.25 NW	No Data +- No Data	0
326.26 - 348.75 NNW	No Data +- No Data	0

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	13.1 +- 1.4	6
2 - 5	13.3 +- 1.4	10
> 5	12.0 +- 0.0	1
Upwind Control	11.0 +- 0.8	3

NRC TLD DOSES FOR BIG ROCK POINT AREA

BRAIDWOOD

TLD Direct Radiation Environmental Monitoring

For the period 940316-940726 133 Days

Field Time: 94 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)	Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	28 0.8	17.8 +- 0.5; 2.7	10.5 +- 0.7; 4.1	14.5 +- 4.4
2	29 1.3	22.4 +- 0.7; 3.4	15.0 +- 0.8; 4.5	15.3 +- 3.4
3	53 2.0	Missing Dosimeter	No Net Data	13.1 +- 3.6
4	72 2.1	21.9 +- 0.7; 3.3	14.4 +- 0.8; 4.5	15.5 +- 3.3
5	87 2.0	22.2 +- 0.7; 3.3	14.7 +- 0.8; 4.5	15.0 +- 3.6
6	119 2.5	16.8 +- 0.5; 2.5	9.6 +- 0.6; 4.0	14.5 +- 4.5
7	133 3.3	21.6 +- 0.6; 3.2	14.2 +- 0.7; 4.4	15.5 +- 3.4
8	151 3.3	19.9 +- 0.6; 3.0	12.5 +- 0.7; 4.3	14.3 +- 3.1
9	172 3.9	22.0 +- 0.7; 3.3	14.6 +- 0.8; 4.5	19.1 +- 5.1
10	197 2.8	22.6 +- 0.7; 3.4	15.1 +- 0.8; 4.5	15.5 +- 3.7
11	212 1.4	Missing Dosimeter	No Net Data	14.5 +- 3.1
12	232 1.0	20.7 +- 0.6; 3.1	13.3 +- 0.7; 4.3	14.0 +- 3.5
13	255 1.0	21.3 +- 0.6; 3.2	13.9 +- 0.7; 4.4	14.5 +- 3.3
14	278 1.2	21.7 +- 0.6; 3.2	14.2 +- 0.7; 4.4	14.9 +- 3.1
15	310 1.3	Missing Dosimeter	No Net Data	15.0 +- 3.3
16	342 1.3	17.3 +- 0.5; 2.6	10.1 +- 0.6; 4.0	12.8 +- 3.5
17	8 1.5	21.6 +- 0.6; 3.2	14.1 +- 0.7; 4.4	15.1 +- 3.6
18	18 3.5	22.5 +- 0.7; 3.4	15.1 +- 0.8; 4.5	18.5 +- 4.4
19	42 6.3	18.2 +- 0.5; 2.7	10.9 +- 0.7; 4.1	14.2 +- 3.8
20	69 5.7	21.2 +- 0.6; 3.2	13.8 +- 0.7; 4.4	16.3 +- 3.4
21	86 7.0	23.0 +- 0.7; 3.5	15.5 +- 0.8; 4.6	17.4 +- 3.7
22	103 11.4	20.9 +- 0.6; 3.1	13.5 +- 0.7; 4.4	16.2 +- 4.3
23	45 4.9	Missing Dosimeter	No Net Data	16.0 +- 3.4
24	70 4.2	20.8 +- 0.6; 3.1	13.4 +- 0.7; 4.4	15.0 +- 3.6
25	86 4.1	17.4 +- 0.5; 2.6	10.2 +- 0.7; 4.0	13.3 +- 3.4
26	125 5.0	17.6 +- 0.5; 2.6	10.4 +- 0.7; 4.1	14.1 +- 4.8
27	142 7.2	17.9 +- 0.5; 2.7	10.6 +- 0.7; 4.1	17.6 +- 3.8
28	161 6.1	21.1 +- 0.6; 3.2	13.7 +- 0.7; 4.4	15.2 +- 3.5
29	180 5.9	27.5 +- 0.8; 4.1	19.8 +- 0.9; 5.1	19.5 +- 4.2
30	187 5.8	27.0 +- 0.8; 4.1	19.4 +- 0.9; 5.0	20.5 +- 3.9
31	225 5.4	23.5 +- 0.7; 3.5	16.0 +- 0.8; 4.6	18.0 +- 3.4
32	253 4.0	21.4 +- 0.6; 3.2	14.0 +- 0.7; 4.4	15.7 +- 3.5
33	289 4.1	Missing Dosimeter	No Net Data	17.1 +- 3.9
34	315 4.0	22.7 +- 0.7; 3.4	15.2 +- 0.8; 4.5	16.5 +- 3.5
35	333 4.0	21.0 +- 0.6; 3.2	13.6 +- 0.7; 4.4	15.5 +- 4.1
36	0 5.5	21.1 +- 0.6; 3.2	13.7 +- 0.7; 4.4	15.4 +- 3.8
37	21 5.0	16.6 +- 0.5; 2.5	9.4 +- 0.6; 4.0	12.8 +- 4.2
38	224 14.7	20.1 +- 0.6; 3.0	12.8 +- 0.7; 4.3	14.7 +- 3.9
39	224 14.7	Damaged Dosimeter	No Net Data	14.5 +- 3.4
40	187 10.3	24.0 +- 0.7; 3.6	16.5 +- 0.8; 4.7	18.5 +- 3.9

Transit Dose = 6.8 +- 0.4; 3.3

BRAIDWOOD

For the period 940316-940726

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	13.9 +- 0.3	2
11.26 - 33.75 NNE	12.5 +- 3.0	4
33.76 - 56.25 NE	10.9 +- 0.0	1
56.26 - 78.75 ENE	13.9 +- 0.5	3
78.76 - 101.25 E	13.5 +- 2.9	3
101.26 - 123.75 ESE	11.6 +- 2.8	2
123.76 - 146.25 SE	11.7 +- 2.1	3
146.26 - 168.75 SSE	13.1 +- 0.8	2
168.76 - 191.25 S	17.9 +- 2.9	3
191.26 - 213.75 SSW	15.1 +- 0.0	1
213.76 - 236.25 SW	14.0 +- 1.8	3
236.26 - 258.75 WSW	14.0 +- 0.1	2
258.76 - 281.25 W	14.2 +- 0.0	1
281.26 - 303.75 WNW	No Data +- No Data	0
303.76 - 326.25 NW	15.2 +- 0.0	1
326.26 - 348.75 NNW	11.8 +- 2.5	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	13.2 +- 1.9	8
2 - 5	13.0 +- 2.2	14
> 5	14.5 +- 3.0	11
Upwind Control	16.5 +- 0.0	1

NRC TLD DOSES FOR BRAIDWOOD AREA

Miles

Legend

Water

Highways

Railroads

Roads

Plant..site

BROWNS FERRY

TLD Direct Radiation Environmental Monitoring

For the period 940316-940727 134 Days

Field Time: 98 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)		Gross Exposure (mR) +-Rdm; Tot.		Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.		Hist. Range Net Exp Rate +-1 Std Dev	
1	130	9.0	16.3	+- 0.5; 2.5	12.5	+- 0.5; 3.6	14.1	+- 1.9
2	133	5.5	18.8	+- 0.6; 2.8	14.8	+- 0.6; 3.8	14.9	+- 2.0
3	153	4.3	17.4	+- 0.5; 2.6	13.5	+- 0.6; 3.7	14.5	+- 2.1
4	210	5.8	20.3	+- 0.6; 3.0	16.1	+- 0.6; 4.0	17.4	+- 2.2
5	220	6.0	17.4	+- 0.5; 2.6	13.5	+- 0.6; 3.7	14.9	+- 2.0
6	245	4.5	20.9	+- 0.6; 3.1	16.7	+- 0.6; 4.0	18.3	+- 2.3
7	269	1.9	18.6	+- 0.6; 2.8	14.7	+- 0.6; 3.8	16.2	+- 2.1
8	257	11.0	19.1	+- 0.6; 2.9	15.1	+- 0.6; 3.9	15.4	+- 2.0
9	295	7.0	19.0	+- 0.6; 2.8	14.9	+- 0.6; 3.8	16.2	+- 2.4
10	292	4.5	19.2	+- 0.6; 2.9	15.2	+- 0.6; 3.9	16.3	+- 2.0
11	269	1.9	19.3	+- 0.6; 2.9	15.3	+- 0.6; 3.9	16.5	+- 2.0
12	240	2.6	17.7	+- 0.5; 2.7	13.8	+- 0.6; 3.7	15.4	+- 2.1
13	220	1.7	19.0	+- 0.6; 2.9	15.0	+- 0.6; 3.8	18.6	+- 2.9
14	268	17.0	19.3	+- 0.6; 2.9	15.2	+- 0.6; 3.9	17.1	+- 2.2
15	201	3.0	20.0	+- 0.6; 3.0	15.8	+- 0.6; 3.9	17.0	+- 2.0
16	181	3.0	17.3	+- 0.5; 2.6	13.4	+- 0.6; 3.7	15.6	+- 2.5
17	50	9.5	20.9	+- 0.6; 3.1	16.7	+- 0.6; 4.0	17.2	+- 2.0
18	51	3.5	18.5	+- 0.6; 2.8	14.5	+- 0.6; 3.8	15.5	+- 1.8
19	62	3.2	18.2	+- 0.5; 2.7	14.3	+- 0.6; 3.8	16.1	+- 2.2
20	86	2.8	21.0	+- 0.6; 3.2	16.8	+- 0.7; 4.0	18.4	+- 2.1
21	111	3.1	20.9	+- 0.6; 3.1	16.7	+- 0.6; 4.0	19.1	+- 2.3
22	64	1.1	22.9	+- 0.7; 3.4	18.5	+- 0.7; 4.2	19.7	+- 2.2
23	90	26.0	18.2	+- 0.5; 2.7	14.3	+- 0.6; 3.8	16.6	+- 2.4
24	111	0.8	19.8	+- 0.6; 3.0	15.7	+- 0.6; 3.9	17.7	+- 1.9
25	46	2.2	20.3	+- 0.6; 3.0	16.2	+- 0.6; 4.0	17.8	+- 2.2
26	26	1.7	23.1	+- 0.7; 3.5	18.7	+- 0.7; 4.2	19.5	+- 2.3
27	333	1.7	18.6	+- 0.6; 2.8	14.6	+- 0.6; 3.8	16.4	+- 2.0
28	335	1.0	18.6	+- 0.6; 2.8	14.6	+- 0.6; 3.8	18.1	+- 2.6
29	27	3.8	20.9	+- 0.6; 3.1	16.7	+- 0.6; 4.0	17.7	+- 2.1
30	0	4.0	17.9	+- 0.5; 2.7	13.9	+- 0.6; 3.7	15.0	+- 2.0
31	340	5.3	21.7	+- 0.6; 3.2	17.4	+- 0.7; 4.1	18.2	+- 2.1
32	312	12.0	19.3	+- 0.6; 2.9	15.3	+- 0.6; 3.9	17.7	+- 2.4
33	0	1.5	21.6	+- 0.6; 3.2	17.4	+- 0.7; 4.1	19.1	+- 2.2
34	52	7.0	18.2	+- 0.5; 2.7	14.3	+- 0.6; 3.8	16.3	+- 2.4
35	95	5.4	19.1	+- 0.6; 2.9	15.0	+- 0.6; 3.8	16.9	+- 2.1
36	68	5.6	19.7	+- 0.6; 3.0	15.7	+- 0.6; 3.9	17.7	+- 2.3
37	149	7.8	21.1	+- 0.6; 3.2	16.9	+- 0.7; 4.0	16.3	+- 1.9
38	164	7.0	16.5	+- 0.5; 2.5	12.7	+- 0.5; 3.6	13.7	+- 2.1

Transit Dose = 2.7 +- 0.3; 3.1

BROWNS FERRY
For the period 940316-940727

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	15.7 +- 2.4	2
11.26 - 33.75 NNE	17.7 +- 1.4	2
33.76 - 56.25 NE	15.4 +- 1.2	4
56.26 - 78.75 ENE	16.1 +- 2.2	3
78.76 - 101.25 E	15.4 +- 1.3	3
101.26 - 123.75 ESE	16.2 +- 0.7	2
123.76 - 146.25 SE	13.7 +- 1.6	2
146.26 - 168.75 SSE	14.4 +- 2.3	3
168.76 - 191.25 S	13.4 +- 0.0	1
191.26 - 213.75 SSW	16.0 +- 0.2	2
213.76 - 236.25 SW	14.3 +- 1.0	2
236.26 - 258.75 WSW	15.2 +- 2.0	2
258.76 - 281.25 W	15.0 +- 0.4	2
281.26 - 303.75 WNW	15.1 +- 0.2	2
303.76 - 326.25 NW	15.3 +- 0.0	1
326.26 - 348.75 NNW	15.5 +- 1.6	3

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	16.0 +- 1.7	9
2 - 5	15.2 +- 1.3	13
> 5	15.0 +- 1.5	14
Upwind Control	15.1 +- 0.1	2

NRC TLD DOSES FOR BROWNS FERRY AREA

Miles

Legend

Water
Highways

Railroads
Roads

Plant..site

BRUNSWICK
 TLD Direct Radiation Environmental Monitoring
 For the period 940316-940719 126 Days
 Field Time: 87 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)	Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	260 2.2	11.7 +- 0.4; 1.8	8.1 +- 0.5; 3.4	10.4 +- 1.5
2	245 3.4	11.8 +- 0.4; 1.8	8.3 +- 0.5; 3.5	10.3 +- 1.5
3	231 3.8	10.0 +- 0.3; 1.5	6.4 +- 0.5; 3.3	10.1 +- 1.4
4	210 4.9	13.4 +- 0.4; 2.0	9.9 +- 0.5; 3.6	12.7 +- 1.6
5	186 4.3	13.7 +- 0.4; 2.1	10.3 +- 0.5; 3.6	12.5 +- 1.7
6	270 4.5	12.8 +- 0.4; 1.9	9.3 +- 0.5; 3.5	10.4 +- 1.3
7	272 4.4	12.3 +- 0.4; 1.8	8.8 +- 0.5; 3.5	11.2 +- 1.4
8	73 1.3	Missing Dosimeter	No Net Data	12.5 +- 1.6
9	97 1.0	Missing Dosimeter	No Net Data	12.3 +- 1.5
10	120 1.5	14.2 +- 0.4; 2.1	10.8 +- 0.6; 3.7	12.5 +- 1.4
11	131 0.9	13.6 +- 0.4; 2.0	10.2 +- 0.5; 3.5	12.1 +- 1.4
12	156 1.1	14.4 +- 0.4; 2.2	11.0 +- 0.6; 3.7	12.7 +- 1.5
13	180 1.1	12.7 +- 0.4; 1.9	9.2 +- 0.5; 3.5	11.7 +- 1.3
14	194 2.4	11.4 +- 0.3; 1.7	7.8 +- 0.5; 3.4	11.6 +- 1.6
15	201 2.0	12.3 +- 0.4; 1.8	8.8 +- 0.5; 3.5	11.2 +- 1.5
16	218 1.2	11.6 +- 0.3; 1.7	8.0 +- 0.5; 3.4	12.4 +- 1.6
17	252 1.1	13.1 +- 0.4; 2.0	9.6 +- 0.5; 3.6	12.2 +- 1.4
18	272 1.2	12.2 +- 0.4; 1.8	8.7 +- 0.5; 3.5	11.9 +- 1.7
19	19 1.1	12.2 +- 0.4; 1.8	8.7 +- 0.5; 3.5	11.3 +- 1.5
20	2 1.1	11.7 +- 0.4; 1.8	8.2 +- 0.5; 3.4	11.1 +- 1.8
21	288 1.3	12.2 +- 0.4; 1.8	8.7 +- 0.5; 3.5	10.5 +- 1.9
22	307 1.5	12.8 +- 0.4; 1.9	9.3 +- 0.5; 3.5	10.8 +- 1.4
23	338 2.1	12.1 +- 0.4; 1.8	8.6 +- 0.5; 3.5	11.8 +- 1.5
24	325 4.9	12.3 +- 0.4; 1.8	8.8 +- 0.5; 3.5	10.7 +- 1.4
25	338 3.8	12.9 +- 0.4; 1.9	9.4 +- 0.5; 3.6	11.8 +- 1.5
26	356 5.2	11.8 +- 0.4; 1.8	8.3 +- 0.5; 3.5	10.9 +- 1.4
27	30 6.4	11.9 +- 0.4; 1.8	8.4 +- 0.5; 3.5	10.6 +- 1.5
28	43 9.0	11.9 +- 0.4; 1.8	8.3 +- 0.5; 3.5	12.1 +- 2.0
29	50 8.5	12.1 +- 0.4; 1.8	8.5 +- 0.5; 3.5	11.6 +- 1.8
30	59 7.2	13.3 +- 0.4; 2.0	9.8 +- 0.5; 3.6	11.8 +- 1.6
31	65 6.5	13.1 +- 0.4; 2.0	9.6 +- 0.5; 3.6	11.8 +- 1.5
32	74 5.8	13.2 +- 0.4; 2.0	9.7 +- 0.5; 3.6	12.4 +- 1.9
33	88 4.1	11.6 +- 0.3; 1.7	8.0 +- 0.5; 3.4	11.1 +- 1.7
34	12 17.0	14.2 +- 0.4; 2.1	10.7 +- 0.6; 3.7	12.3 +- 1.5
35	16 18.0	12.5 +- 0.4; 1.9	9.0 +- 0.5; 3.5	10.9 +- 1.5
36	284 15.0	13.5 +- 0.4; 2.0	10.0 +- 0.5; 3.6	12.2 +- 2.1
37	284 16.0	12.3 +- 0.4; 1.8	8.8 +- 0.5; 3.5	12.8 +- 1.9
38	284 15.0	12.2 +- 0.4; 1.8	8.6 +- 0.5; 3.5	12.0 +- 1.6
39	287 4.6	Missing Dosimeter	No Net Data	11.0 +- 1.5
40	271 0.7	14.6 +- 0.4; 2.2	11.1 +- 0.6; 3.7	13.1 +- 1.6

Transit Dose = 3.8 +- 0.3; 2.8

BRUNSWICK
For the period 940316-940719

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	8.2 +- 0.1	2
11.26 - 33.75 NNE	9.2 +- 1.1	4
33.76 - 56.25 NE	8.4 +- 0.1	2
56.26 - 78.75 ENE	9.7 +- 0.1	3
78.76 - 101.25 E	8.0 +- 0.0	1
101.26 - 123.75 ESE	10.8 +- 0.0	1
123.76 - 146.25 SE	10.2 +- 0.0	1
146.26 - 168.75 SSE	11.0 +- 0.0	1
168.76 - 191.25 S	9.7 +- 0.7	2
191.26 - 213.75 SSW	8.9 +- 1.1	3
213.76 - 236.25 SW	7.2 +- 1.1	2
236.26 - 258.75 WSW	8.9 +- 0.9	2
258.76 - 281.25 W	9.2 +- 1.1	5
281.26 - 303.75 WNW	8.7 +- 0.0	1
303.76 - 326.25 NW	9.0 +- 0.4	2
326.26 - 348.75 NNW	9.0 +- 0.6	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	9.4 +- 1.1	13
2 - 5	8.7 +- 1.0	12
> 5	9.2 +- 0.9	9
Upwind Control	9.2 +- 0.7	3

NRC TLD DOSES FOR BRUNSWICK AREA

Miles

Legend

Water

--- Railroads

Plant..site

— Highways

--- Roads

BYRON

TLD Direct Radiation Environmental Monitoring

For the period 940316-940726 133 Days

Field Time: 93 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)	Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	10 1.1	24.0 +- 0.7; 3.6	20.6 +- 0.8; 4.5	18.9 +- 2.0
2	27 1.0	22.4 +- 0.7; 3.4	19.1 +- 0.7; 4.3	18.5 +- 1.9
3	53 1.6	22.2 +- 0.7; 3.3	18.9 +- 0.7; 4.3	17.2 +- 1.8
4	68 1.6	Missing Dosimeter	No Net Data	20.2 +- 2.3
5	97 1.4	26.2 +- 0.8; 3.9	22.8 +- 0.8; 4.7	20.7 +- 2.0
6	120 1.3	24.2 +- 0.7; 3.6	20.9 +- 0.8; 4.5	18.7 +- 1.8
7	146 1.4	Missing Dosimeter	No Net Data	19.9 +- 2.6
8	175 2.2	22.7 +- 0.7; 3.4	19.4 +- 0.7; 4.3	18.6 +- 1.7
9	177 0.6	21.0 +- 0.6; 3.1	17.7 +- 0.7; 4.1	16.0 +- 1.7
10	183 0.5	Damaged Dosimeter	No Net Data	18.5 +- 2.2
11	193 0.6	24.0 +- 0.7; 3.6	20.7 +- 0.8; 4.5	17.7 +- 2.1
12	220 0.9	22.6 +- 0.7; 3.4	19.3 +- 0.7; 4.3	18.1 +- 1.7
13	239 0.8	20.6 +- 0.6; 3.1	17.3 +- 0.7; 4.1	17.5 +- 1.6
14	262 0.7	24.4 +- 0.7; 3.7	21.1 +- 0.8; 4.5	18.9 +- 2.2
15	283 0.8	23.6 +- 0.7; 3.5	20.2 +- 0.7; 4.4	18.0 +- 2.0
16	303 1.0	20.5 +- 0.6; 3.1	17.3 +- 0.7; 4.1	16.6 +- 1.8
17	326 1.6	21.7 +- 0.6; 3.2	18.4 +- 0.7; 4.2	16.2 +- 2.2
18	23 4.0	19.6 +- 0.6; 2.9	16.3 +- 0.6; 4.0	15.6 +- 1.5
19	17 4.1	17.5 +- 0.5; 2.6	14.3 +- 0.6; 3.8	14.3 +- 1.3
20	5 4.3	20.0 +- 0.6; 3.0	16.8 +- 0.7; 4.0	17.0 +- 1.9
21	340 4.2	19.1 +- 0.6; 2.9	15.9 +- 0.6; 4.0	18.4 +- 2.2
22	322 4.9	24.3 +- 0.7; 3.6	21.0 +- 0.8; 4.5	18.6 +- 2.6
23	298 6.9	19.4 +- 0.6; 2.9	16.2 +- 0.6; 4.0	15.7 +- 1.5
24	262 4.8	19.3 +- 0.6; 2.9	16.1 +- 0.6; 4.0	15.7 +- 1.5
25	244 4.6	20.2 +- 0.6; 3.0	17.0 +- 0.7; 4.1	15.7 +- 1.5
26	224 4.8	19.9 +- 0.6; 3.0	16.7 +- 0.7; 4.0	16.2 +- 2.0
27	208 5.2	17.7 +- 0.5; 2.7	14.6 +- 0.6; 3.8	14.7 +- 1.4
28	209 14.0	18.6 +- 0.6; 2.8	15.4 +- 0.6; 3.9	14.3 +- 1.3
29	215 13.0	21.2 +- 0.6; 3.2	17.9 +- 0.7; 4.2	17.3 +- 1.8
30	215 13.0	22.1 +- 0.7; 3.3	18.9 +- 0.7; 4.3	18.2 +- 1.9
31	204 4.6	17.3 +- 0.5; 2.6	14.2 +- 0.6; 3.8	13.4 +- 1.4
32	178 4.4	17.7 +- 0.5; 2.6	14.5 +- 0.6; 3.8	15.9 +- 1.4
33	155 3.9	20.7 +- 0.6; 3.1	17.5 +- 0.7; 4.1	17.6 +- 1.8
34	138 4.6	22.3 +- 0.7; 3.3	19.0 +- 0.7; 4.3	17.7 +- 1.7
35	118 4.4	22.8 +- 0.7; 3.4	19.5 +- 0.7; 4.3	18.7 +- 2.2
36	81 3.8	22.1 +- 0.7; 3.3	18.8 +- 0.7; 4.3	16.7 +- 1.9
37	70 5.5	22.1 +- 0.7; 3.3	18.9 +- 0.7; 4.3	16.3 +- 2.0
38	45 4.0	Missing Dosimeter	No Net Data	15.0 +- 1.8
39	40 6.8	22.7 +- 0.7; 3.4	19.4 +- 0.7; 4.3	18.0 +- 1.5
40	45 15.0	Missing Dosimeter	No Net Data	14.3 +- 1.2
41	220 3.0	23.7 +- 0.7; 3.6	20.4 +- 0.8; 4.4	19.4 +- 2.3

Transit Dose = 2.7 +- 0.3; 2.9

BYRON

For the period 940316-940726

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	18.7 +- 2.7	2
11.26 - 33.75 NNE	16.6 +- 2.4	3
33.76 - 56.25 NE	19.2 +- 0.3	2
56.26 - 78.75 ENE	18.9 +- 0.0	1
78.76 - 101.25 E	20.8 +- 2.9	2
101.26 - 123.75 ESE	20.2 +- 1.0	2
123.76 - 146.25 SE	19.0 +- 0.0	1
146.26 - 168.75 SSE	17.5 +- 0.0	1
168.76 - 191.25 S	17.2 +- 2.5	3
191.26 - 213.75 SSW	16.5 +- 3.6	3
213.76 - 236.25 SW	18.8 +- 1.9	3
236.26 - 258.75 WSW	17.2 +- 0.2	2
258.76 - 281.25 W	18.6 +- 3.5	2
281.26 - 303.75 WNW	17.9 +- 2.1	3
303.76 - 326.25 NW	19.7 +- 1.8	2
326.26 - 348.75 NNW	15.9 +- 0.0	1

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	19.6 +- 1.7	13
2 - 5	17.3 +- 2.1	16
> 5	17.3 +- 2.3	4
Upwind Control	17.4 +- 1.8	3

NRC TLD DOSES FOR BYRON AREA

24

CALLAWAY

TLD Direct Radiation Environmental Monitoring

For the period 940316-940721 128 Days

Field Time: 82 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)		Gross Exposure (mR) +-Rdm; Tot.		Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.		Hist. Range Net Exp Rate +-1 Std Dev
1	247	2.1	26.4	+- 0.8; 4.0	22.4	+- 1.0; 5.4	20.8 +- 2.7
2	259	1.4	24.4	+- 0.7; 3.7	20.3	+- 0.9; 5.1	19.5 +- 2.2
3	282	1.3	23.4	+- 0.7; 3.5	19.2	+- 0.9; 5.0	19.5 +- 1.8
4	304	1.3	25.4	+- 0.8; 3.8	21.4	+- 0.9; 5.3	20.3 +- 2.7
5	330	1.7	20.6	+- 0.6; 3.1	16.1	+- 0.8; 4.6	18.2 +- 2.0
6	1	1.7	20.2	+- 0.6; 3.0	15.6	+- 0.8; 4.6	17.0 +- 0.8
7	23	2.0	21.0	+- 0.6; 3.2	16.6	+- 0.8; 4.7	17.1 +- 1.0
8	77	0.7	21.9	+- 0.7; 3.3	17.5	+- 0.8; 4.8	17.8 +- 0.8
9	85	1.4	22.2	+- 0.7; 3.3	17.8	+- 0.8; 4.8	18.7 +- 1.1
10	98	1.5	19.9	+- 0.6; 3.0	15.3	+- 0.8; 4.6	17.3 +- 0.9
11	121	2.0	Damaged Dosimeter		No Net Data		18.5 +- 2.8
12	140	2.0	23.7	+- 0.7; 3.6	19.5	+- 0.9; 5.0	18.3 +- 2.0
13	158	2.5	21.2	+- 0.6; 3.2	16.8	+- 0.8; 4.7	17.7 +- 1.0
14	183	3.7	Missing Dosimeter		No Net Data		19.0 +- 1.1
15	188	1.7	21.6	+- 0.6; 3.2	17.2	+- 0.8; 4.8	18.5 +- 1.1
16	202	0.7	20.8	+- 0.6; 3.1	16.3	+- 0.8; 4.7	17.4 +- 1.0
17	237	0.7	24.7	+- 0.7; 3.7	20.5	+- 0.9; 5.2	19.1 +- 1.8
18	312	11.0	21.4	+- 0.6; 3.2	17.0	+- 0.8; 4.7	17.8 +- 1.7
19	292	10.0	20.7	+- 0.6; 3.1	16.2	+- 0.8; 4.7	17.5 +- 1.0
20	268	9.0	21.7	+- 0.7; 3.3	17.3	+- 0.8; 4.8	18.0 +- 0.8
21	247	8.0	25.7	+- 0.8; 3.9	21.7	+- 0.9; 5.3	20.0 +- 2.2
22	225	8.0	21.8	+- 0.7; 3.3	17.4	+- 0.8; 4.8	17.6 +- 1.0
23	220	8.0	21.1	+- 0.6; 3.2	16.7	+- 0.8; 4.7	19.2 +- 1.9
24	205	5.5	20.1	+- 0.6; 3.0	15.5	+- 0.8; 4.6	16.4 +- 2.3
25	157	4.0	25.5	+- 0.8; 3.8	21.4	+- 0.9; 5.3	20.3 +- 2.4
26	134	5.0	Missing Dosimeter		No Net Data		16.1 +- 0.9
27	115	4.2	26.0	+- 0.8; 3.9	22.0	+- 1.0; 5.3	20.7 +- 2.3
28	95	3.5	26.1	+- 0.8; 3.9	22.2	+- 1.0; 5.3	20.6 +- 2.1
29	67	3.4	23.0	+- 0.7; 3.4	18.7	+- 0.9; 4.9	19.5 +- 1.1
30	48	4.5	19.6	+- 0.6; 2.9	15.0	+- 0.8; 4.5	16.7 +- 0.8
31	14	6.5	22.3	+- 0.7; 3.3	18.0	+- 0.8; 4.9	18.8 +- 1.0
32	2	5.1	21.9	+- 0.7; 3.3	17.5	+- 0.8; 4.8	18.7 +- 0.9
33	335	3.6	19.0	+- 0.6; 2.9	14.4	+- 0.8; 4.5	16.2 +- 1.0
34	288	4.3	22.7	+- 0.7; 3.4	18.4	+- 0.9; 4.9	18.8 +- 1.1
35	310	5.2	22.3	+- 0.7; 3.3	17.9	+- 0.8; 4.8	18.7 +- 1.0
36	264	3.2	Missing Dosimeter		No Net Data		14.4 +- 1.2
37	237	3.0	24.3	+- 0.7; 3.6	20.2	+- 0.9; 5.1	19.6 +- 1.8
38	270	15.0	23.7	+- 0.7; 3.6	19.5	+- 0.9; 5.0	16.3 +- 1.8
39	270	15.0	25.0	+- 0.7; 3.7	20.9	+- 0.9; 5.2	16.5 +- 2.8
40	203	20.0	Damaged Dosimeter		No Net Data		18.4 +- 0.8

Transit Dose = 5.9 +- 0.4; 2.9

CALLAWAY

For the period 940316-940721

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	16.5 +- 1.3	2
11.26 - 33.75 NNE	17.3 +- 1.0	2
33.76 - 56.25 NE	15.0 +- 0.0	1
56.26 - 78.75 ENE	18.1 +- 0.9	2
78.76 - 101.25 E	18.4 +- 3.5	3
101.26 - 123.75 ESE	22.0 +- 0.0	1
123.76 - 146.25 SE	19.5 +- 0.0	1
146.26 - 168.75 SSE	19.1 +- 3.3	2
168.76 - 191.25 S	17.2 +- 0.0	1
191.26 - 213.75 SSW	15.9 +- 0.6	2
213.76 - 236.25 SW	17.0 +- 0.5	2
236.26 - 258.75 WSW	21.2 +- 1.0	4
258.76 - 281.25 W	18.8 +- 2.1	2
281.26 - 303.75 WNW	18.0 +- 1.6	3
303.76 - 326.25 NW	18.8 +- 2.3	3
326.26 - 348.75 NNW	15.3 +- 1.2	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	18.0 +- 2.0	13
2 - 5	19.2 +- 3.0	10
> 5	17.5 +- 1.7	10
Upwind Control	20.2 +- 1.0	2

NRC TLD DOSES FOR CALLAWAY AREA

Miles

Legend

Water

Highways

Railroads

Roads

Plant..site

CALVERT CLIFFS

TLD Direct Radiation Environmental Monitoring

For the period 940317-940727 133 Days

Field Time: 92 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)	Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	275 1.5	18.7 +- 0.6; 2.8	16.6 +- 0.6; 3.9	13.1 +- 3.1
3	284 1.7	18.1 +- 0.5; 2.7	16.0 +- 0.6; 3.8	12.8 +- 2.9
4	323 2.4	15.3 +- 0.5; 2.3	13.2 +- 0.5; 3.5	13.0 +- 2.5
5	297 3.1	18.1 +- 0.5; 2.7	16.0 +- 0.6; 3.8	13.5 +- 3.1
6	324 4.7	17.9 +- 0.5; 2.7	15.8 +- 0.6; 3.8	13.5 +- 3.1
7	324 5.5	15.9 +- 0.5; 2.4	13.9 +- 0.5; 3.6	12.1 +- 2.7
8	256 6.1	17.6 +- 0.5; 2.6	15.5 +- 0.6; 3.8	11.6 +- 3.0
9	273 4.1	15.6 +- 0.5; 2.3	13.5 +- 0.5; 3.6	12.6 +- 2.6
10	253 3.7	18.9 +- 0.6; 2.8	16.8 +- 0.6; 3.9	14.2 +- 3.0
11	230 4.0	18.1 +- 0.5; 2.7	16.0 +- 0.6; 3.8	14.1 +- 2.7
12	243 1.3	16.5 +- 0.5; 2.5	14.4 +- 0.6; 3.7	13.7 +- 2.6
13	222 1.5	19.8 +- 0.6; 3.0	17.6 +- 0.6; 4.0	14.7 +- 3.1
14	208 1.8	15.0 +- 0.4; 2.2	12.9 +- 0.5; 3.5	11.5 +- 2.4
15	176 2.4	21.5 +- 0.6; 3.2	19.3 +- 0.7; 4.2	15.9 +- 3.4
16	160 1.5	18.5 +- 0.6; 2.8	16.4 +- 0.6; 3.9	15.1 +- 2.9
19	159 3.8	16.6 +- 0.5; 2.5	14.5 +- 0.6; 3.7	13.5 +- 2.7
20	139 4.7	17.9 +- 0.5; 2.7	15.8 +- 0.6; 3.8	12.1 +- 2.9
21	201 4.0	16.6 +- 0.5; 2.5	14.5 +- 0.6; 3.7	13.0 +- 2.6
22	187 4.7	15.8 +- 0.5; 2.4	13.8 +- 0.5; 3.6	12.5 +- 2.4
23	201 8.7	17.6 +- 0.5; 2.6	15.5 +- 0.6; 3.8	13.4 +- 2.7
24	190 7.8	13.9 +- 0.4; 2.1	11.9 +- 0.5; 3.4	11.8 +- 2.3
25	325 6.7	16.5 +- 0.5; 2.5	14.5 +- 0.6; 3.7	12.7 +- 2.5
26	314 11.0	15.7 +- 0.5; 2.3	13.6 +- 0.5; 3.6	12.0 +- 2.4
27	314 11.0	15.5 +- 0.5; 2.3	13.4 +- 0.5; 3.6	12.2 +- 2.4
28	315 10.0	19.4 +- 0.6; 2.9	17.3 +- 0.6; 4.0	14.5 +- 3.1
29	186 12.0	18.4 +- 0.6; 2.8	16.3 +- 0.6; 3.9	14.6 +- 2.9

Transit Dose = 1.8 +- 0.3; 2.8

CALVERT CLIFFS
For the period 940317-940727

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	No Data +- No Data	0
11.26 - 33.75 NNE	No Data +- No Data	0
33.76 - 56.25 NE	No Data +- No Data	0
56.26 - 78.75 ENE	No Data +- No Data	0
78.76 - 101.25 E	No Data +- No Data	0
101.26 - 123.75 ESE	No Data +- No Data	0
123.76 - 146.25 SE	15.8 +- 0.0	1
146.26 - 168.75 SSE	15.4 +- 1.3	2
168.76 - 191.25 S	15.3 +- 3.2	4
191.26 - 213.75 SSW	14.3 +- 1.3	3
213.76 - 236.25 SW	16.8 +- 1.2	2
236.26 - 258.75 WSW	15.6 +- 1.2	3
258.76 - 281.25 W	15.1 +- 2.2	2
281.26 - 303.75 WNW	16.0 +- 0.0	2
303.76 - 326.25 NW	14.3 +- 1.1	4
326.26 - 348.75 NNW	No Data +- No Data	0

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	15.7 +- 1.7	6
2 - 5	15.4 +- 1.8	11
> 5	14.6 +- 1.6	6
Upwind Control	14.8 +- 2.2	3

NRC TLD DOSES FOR CALVERT CLIFFS AREA

Miles

Legend

Water

Highways

Railroads

Roads

Plant..site

CATAWBA

TLD Direct Radiation Environmental Monitoring
For the period 940316-940714 121 Days
Field Time: 78 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)	Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	134 0.1	25.7 +- 0.8; 3.8	19.4 +- 1.0; 5.7	18.7 +- 3.5
2	162 0.4	Missing Dosimeter	No Net Data	15.6 +- 3.0
3	132 0.8	23.6 +- 0.7; 3.5	17.0 +- 1.0; 5.4	18.4 +- 3.4
4	111 1.3	22.5 +- 0.7; 3.4	15.7 +- 0.9; 5.3	15.8 +- 2.7
5	45 0.7	20.0 +- 0.6; 3.0	12.9 +- 0.9; 5.0	15.9 +- 2.4
6	298 1.3	23.6 +- 0.7; 3.5	17.0 +- 1.0; 5.4	17.4 +- 2.9
7	4 0.6	21.9 +- 0.7; 3.3	15.0 +- 0.9; 5.2	15.1 +- 3.0
8	332 1.5	23.5 +- 0.7; 3.5	16.9 +- 1.0; 5.4	19.3 +- 3.0
9	318 1.6	18.6 +- 0.6; 2.8	11.2 +- 0.8; 4.8	12.6 +- 3.1
10	176 1.8	21.7 +- 0.6; 3.2	14.8 +- 0.9; 5.2	16.7 +- 3.2
11	203 1.5	22.9 +- 0.7; 3.4	16.2 +- 1.0; 5.3	16.9 +- 2.6
12	225 1.5	22.1 +- 0.7; 3.3	15.3 +- 0.9; 5.2	17.1 +- 3.1
13	250 1.9	20.4 +- 0.6; 3.1	13.4 +- 0.9; 5.0	14.3 +- 3.4
14	270 1.4	18.1 +- 0.5; 2.7	10.6 +- 0.8; 4.7	12.6 +- 3.1
15	331 3.0	20.2 +- 0.6; 3.0	13.1 +- 0.9; 5.0	14.0 +- 3.3
16	311 3.9	18.6 +- 0.6; 2.8	11.3 +- 0.8; 4.8	13.2 +- 3.2
17	296 9.5	23.3 +- 0.7; 3.5	16.7 +- 1.0; 5.4	18.0 +- 2.9
18	324 4.8	20.1 +- 0.6; 3.0	13.0 +- 0.9; 5.0	15.3 +- 3.3
19	352 4.8	18.6 +- 0.6; 2.8	11.2 +- 0.8; 4.8	13.1 +- 3.1
20	22 4.0	22.6 +- 0.7; 3.4	15.8 +- 0.9; 5.3	16.6 +- 3.2
21	290 3.9	22.2 +- 0.7; 3.3	15.4 +- 0.9; 5.2	15.0 +- 2.8
22	266 4.0	21.8 +- 0.7; 3.3	14.9 +- 0.9; 5.2	16.0 +- 3.1
23	251 4.0	18.1 +- 0.5; 2.7	10.6 +- 0.8; 4.7	11.1 +- 3.2
24	229 3.9	18.7 +- 0.6; 2.8	11.3 +- 0.8; 4.8	12.1 +- 3.2
25	202 4.4	23.1 +- 0.7; 3.5	16.5 +- 1.0; 5.4	17.2 +- 2.6
26	51 4.3	23.3 +- 0.7; 3.5	16.7 +- 1.0; 5.4	18.0 +- 2.7
27	64 7.9	Missing Dosimeter	No Net Data	11.6 +- 2.8
28	61 4.9	22.0 +- 0.7; 3.3	15.2 +- 0.9; 5.2	15.2 +- 3.0
29	49 1.9	19.6 +- 0.6; 2.9	12.4 +- 0.9; 4.9	15.0 +- 3.7
30	64 1.8	21.3 +- 0.6; 3.2	14.3 +- 0.9; 5.1	14.8 +- 2.8
31	87 1.6	21.6 +- 0.6; 3.2	14.7 +- 0.9; 5.2	14.2 +- 2.9
32	121 2.6	22.1 +- 0.7; 3.3	15.3 +- 0.9; 5.2	15.3 +- 2.9
33	114 7.6	18.1 +- 0.5; 2.7	10.7 +- 0.8; 4.7	14.6 +- 3.2
34	93 4.5	22.1 +- 0.7; 3.3	15.3 +- 0.9; 5.2	17.0 +- 3.4
35	132 4.3	28.6 +- 0.9; 4.3	22.8 +- 1.1; 6.1	20.4 +- 2.9
36	163 8.9	19.1 +- 0.6; 2.9	11.8 +- 0.8; 4.9	12.3 +- 2.7
37	173 4.9	20.8 +- 0.6; 3.1	13.7 +- 0.9; 5.1	13.6 +- 2.6
38	157 4.6	25.2 +- 0.8; 3.8	18.9 +- 1.0; 5.6	18.1 +- 2.4
39	248 10.0	21.8 +- 0.7; 3.3	15.0 +- 0.9; 5.2	16.2 +- 3.5
40	229 12.0	23.2 +- 0.7; 3.5	16.6 +- 1.0; 5.4	15.1 +- 2.4
41	218 13.0	18.3 +- 0.5; 2.7	10.9 +- 0.8; 4.8	12.7 +- 3.4
42	213 16.0	Missing Dosimeter	No Net Data	15.5 +- 2.4

Transit Dose = 8.9 +- 0.5; 3.1

CATAWBA

For the period 940316-940714

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	13.1 +- 2.7	2
11.26 - 33.75 NNE	15.8 +- 0.0	1
33.76 - 56.25 NE	14.0 +- 2.4	3
56.26 - 78.75 ENE	14.8 +- 0.6	2
78.76 - 101.25 E	15.0 +- 0.4	2
101.26 - 123.75 ESE	13.9 +- 2.8	3
123.76 - 146.25 SE	19.7 +- 2.9	3
146.26 - 168.75 SSE	15.3 +- 5.0	2
168.76 - 191.25 S	14.3 +- 0.7	2
191.26 - 213.75 SSW	16.3 +- 0.2	2
213.76 - 236.25 SW	13.3 +- 2.9	2
236.26 - 258.75 WSW	13.0 +- 2.2	3
258.76 - 281.25 W	12.8 +- 3.0	2
281.26 - 303.75 WNW	16.3 +- 0.9	3
303.76 - 326.25 NW	11.8 +- 1.0	3
326.26 - 348.75 NNW	15.0 +- 2.7	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	14.8 +- 2.3	16
2 - 5	14.8 +- 3.1	17
> 5	13.5 +- 2.8	4
Upwind Control	13.7 +- 4.0	2

NRC TLD DOSES FOR CATAWBA AREA

Miles

Legend

Water

--- Railroads

* Plant..site

— Highways

--- Roads

CLINTON

TLD Direct Radiation Environmental Monitoring

For the period 940316-940721 128 Days

Field Time: 90 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)	Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev	
1	5	0.6	21.9 +- 0.7; 3.3	19.3 +- 0.7; 4.3	18.8 +- 2.5
2	40	0.7	20.9 +- 0.6; 3.1	18.3 +- 0.7; 4.2	18.6 +- 1.6
3	35	0.8	27.5 +- 0.8; 4.1	24.8 +- 0.9; 5.0	21.1 +- 1.9
4	163	0.5	21.4 +- 0.6; 3.2	18.8 +- 0.7; 4.3	19.2 +- 1.9
5	210	0.5	22.2 +- 0.7; 3.3	19.5 +- 0.7; 4.4	19.4 +- 1.8
6	223	0.6	22.5 +- 0.7; 3.4	19.8 +- 0.7; 4.4	19.4 +- 1.8
7	235	0.8	22.1 +- 0.7; 3.3	19.4 +- 0.7; 4.3	18.8 +- 1.6
8	62	1.9	22.3 +- 0.7; 3.3	19.7 +- 0.7; 4.4	18.4 +- 1.6
9	78	1.8	20.6 +- 0.6; 3.1	18.0 +- 0.7; 4.2	18.3 +- 1.5
10	79	2.6	21.8 +- 0.7; 3.3	19.2 +- 0.7; 4.3	18.7 +- 2.1
11	100	2.3	22.0 +- 0.7; 3.3	19.4 +- 0.7; 4.3	18.4 +- 1.4
12	115	3.0	23.6 +- 0.7; 3.5	20.9 +- 0.8; 4.5	16.5 +- 2.0
13	127	3.2	22.5 +- 0.7; 3.4	19.8 +- 0.7; 4.4	18.5 +- 1.5
14	155	2.1	22.1 +- 0.7; 3.3	19.4 +- 0.7; 4.4	18.8 +- 1.6
15	185	3.0	21.2 +- 0.6; 3.2	18.5 +- 0.7; 4.2	19.1 +- 2.1
16	203	3.2	20.8 +- 0.6; 3.1	18.2 +- 0.7; 4.2	17.9 +- 1.6
17	230	3.7	22.0 +- 0.7; 3.3	19.4 +- 0.7; 4.3	17.9 +- 1.7
18	255	2.8	22.3 +- 0.7; 3.3	19.7 +- 0.7; 4.4	19.0 +- 1.6
19	275	2.3	22.0 +- 0.7; 3.3	19.3 +- 0.7; 4.3	18.4 +- 1.5
20	302	0.9	21.9 +- 0.7; 3.3	19.2 +- 0.7; 4.3	17.9 +- 1.6
21	336	0.8	21.9 +- 0.7; 3.3	19.3 +- 0.7; 4.3	17.9 +- 1.7
22	0	0.6	21.7 +- 0.7; 3.3	19.0 +- 0.7; 4.3	18.5 +- 1.9
23	358	4.6	23.0 +- 0.7; 3.5	20.4 +- 0.8; 4.5	19.0 +- 1.8
24	20	3.9	22.3 +- 0.7; 3.3	19.6 +- 0.7; 4.4	18.2 +- 1.7
25	46	5.0	22.2 +- 0.7; 3.3	19.6 +- 0.7; 4.4	18.8 +- 1.5
26	62	5.5	20.0 +- 0.6; 3.0	17.3 +- 0.7; 4.1	16.9 +- 1.5
27	90	4.8	22.3 +- 0.7; 3.3	19.7 +- 0.7; 4.4	17.7 +- 1.7
28	115	5.2	20.6 +- 0.6; 3.1	18.0 +- 0.7; 4.2	17.3 +- 1.4
29	128	5.1	21.5 +- 0.6; 3.2	18.9 +- 0.7; 4.3	18.1 +- 1.6
30	153	5.8	22.9 +- 0.7; 3.4	20.2 +- 0.7; 4.4	18.4 +- 1.7
31	173	5.2	21.6 +- 0.6; 3.2	18.9 +- 0.7; 4.3	18.0 +- 1.4
32	205	4.7	21.7 +- 0.7; 3.3	19.1 +- 0.7; 4.3	18.0 +- 1.6
33	238	6.1	22.1 +- 0.7; 3.3	19.5 +- 0.7; 4.4	18.1 +- 1.7
34	252	5.8	20.6 +- 0.6; 3.1	17.9 +- 0.7; 4.2	17.7 +- 2.3
35	260	6.6	17.1 +- 0.5; 2.6	14.4 +- 0.6; 3.8	14.9 +- 1.8
36	272	4.8	20.9 +- 0.6; 3.1	18.3 +- 0.7; 4.2	18.4 +- 1.6
37	288	4.8	21.4 +- 0.6; 3.2	18.7 +- 0.7; 4.3	17.4 +- 1.7
38	297	7.6	Missing Dosimeter	No Net Data	16.2 +- 1.5
39	315	5.1	21.1 +- 0.6; 3.2	18.5 +- 0.7; 4.2	18.4 +- 2.0
40	342	4.8	22.1 +- 0.7; 3.3	19.4 +- 0.7; 4.4	18.2 +- 1.5
41	65	12.0	19.4 +- 0.6; 2.9	16.7 +- 0.7; 4.1	17.7 +- 2.1
42	148	12.0	19.9 +- 0.6; 3.0	17.3 +- 0.7; 4.1	18.4 +- 2.0
43	148	12.0	21.9 +- 0.7; 3.3	19.3 +- 0.7; 4.3	18.8 +- 1.6
44	206	14.0	19.0 +- 0.6; 2.9	16.4 +- 0.6; 4.0	15.8 +- 1.6

Transit Dose = 2.7 +- 0.3; 2.8

CLINTON

For the period 940316-940721

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	19.6 +- 0.7	3
11.26 - 33.75 NNE	19.6 +- 0.0	1
33.76 - 56.25 NE	20.9 +- 3.5	3
56.26 - 78.75 ENE	17.9 +- 1.3	4
78.76 - 101.25 E	19.4 +- 0.2	3
101.26 - 123.75 ESE	19.5 +- 2.1	2
123.76 - 146.25 SE	19.3 +- 0.7	2
146.26 - 168.75 SSE	19.5 +- 0.7	3
168.76 - 191.25 S	18.7 +- 0.3	2
191.26 - 213.75 SSW	18.9 +- 0.7	3
213.76 - 236.25 SW	19.5 +- 0.2	3
236.26 - 258.75 WSW	19.0 +- 1.0	3
258.76 - 281.25 W	17.4 +- 2.6	3
281.26 - 303.75 WNW	19.0 +- 0.3	2
303.76 - 326.25 NW	18.5 +- 0.0	1
326.26 - 348.75 NNW	19.4 +- 0.1	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	19.6 +- 1.7	12
2 - 5	19.4 +- 0.7	18
> 5	18.0 +- 1.6	10
Upwind Control	17.6 +- 1.5	3

COMANCHE PEAK

TLD Direct Radiation Environmental Monitoring

For the period 940315-940726 134 Days

Field Time: 93 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)	Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	306 1.4	19.9 +- 0.6; 3.0	16.1 +- 0.7; 4.1	15.3 +- 1.0
2	285 1.5	20.3 +- 0.6; 3.0	16.5 +- 0.7; 4.1	15.6 +- 1.3
3	268 1.1	17.8 +- 0.5; 2.7	14.1 +- 0.6; 3.9	14.2 +- 0.9
4	253 0.9	18.6 +- 0.6; 2.8	14.8 +- 0.6; 3.9	15.4 +- 1.2
5	218 1.0	19.4 +- 0.6; 2.9	15.6 +- 0.6; 4.0	15.7 +- 1.3
6	200 1.0	18.5 +- 0.6; 2.8	14.8 +- 0.6; 3.9	13.6 +- 1.2
7	180 1.4	17.6 +- 0.5; 2.6	13.9 +- 0.6; 3.8	13.8 +- 1.1
8	163 1.6	18.4 +- 0.6; 2.8	14.7 +- 0.6; 3.9	15.8 +- 1.4
9	140 1.3	19.6 +- 0.6; 2.9	15.8 +- 0.7; 4.0	15.6 +- 0.9
10	118 1.5	17.9 +- 0.5; 2.7	14.2 +- 0.6; 3.9	13.7 +- 1.2
11	93 1.9	21.2 +- 0.6; 3.2	17.4 +- 0.7; 4.2	14.8 +- 2.8
12	73 2.4	20.2 +- 0.6; 3.0	16.4 +- 0.7; 4.1	17.2 +- 1.1
13	245 1.7	18.2 +- 0.5; 2.7	14.5 +- 0.6; 3.9	14.1 +- 1.0
14	156 4.3	18.9 +- 0.6; 2.8	15.2 +- 0.6; 4.0	13.9 +- 1.2
15	186 7.0	18.7 +- 0.6; 2.8	14.9 +- 0.6; 3.9	15.0 +- 1.4
16	183 4.1	17.6 +- 0.5; 2.6	13.9 +- 0.6; 3.8	15.9 +- 1.5
17	205 4.3	19.9 +- 0.6; 3.0	16.1 +- 0.7; 4.1	15.4 +- 0.9
18	225 3.4	16.7 +- 0.5; 2.5	13.0 +- 0.6; 3.7	12.9 +- 1.2
19	245 5.2	18.7 +- 0.6; 2.8	15.0 +- 0.6; 3.9	15.4 +- 0.8
20	264 5.8	18.3 +- 0.5; 2.7	14.6 +- 0.6; 3.9	13.7 +- 0.9
21	258 3.2	18.2 +- 0.5; 2.7	14.5 +- 0.6; 3.9	13.7 +- 1.1
22	284 5.1	17.5 +- 0.5; 2.6	13.8 +- 0.6; 3.8	13.4 +- 1.1
23	313 5.8	19.8 +- 0.6; 3.0	16.0 +- 0.7; 4.1	15.0 +- 1.0
24	332 4.9	17.1 +- 0.5; 2.6	13.4 +- 0.6; 3.8	14.2 +- 1.0
25	9 4.6	19.3 +- 0.6; 2.9	15.5 +- 0.6; 4.0	15.0 +- 1.3
26	26 4.5	18.4 +- 0.6; 2.8	14.7 +- 0.6; 3.9	14.6 +- 1.2
27	47 4.1	17.9 +- 0.5; 2.7	14.2 +- 0.6; 3.9	14.3 +- 1.1
28	6 1.8	17.6 +- 0.5; 2.6	13.9 +- 0.6; 3.8	14.9 +- 1.1
29	16 1.9	18.9 +- 0.6; 2.8	15.1 +- 0.6; 4.0	14.6 +- 1.2
30	102 3.0	Missing Dosimeter	No Net Data	15.6 +- 1.4
31	108 3.9	18.2 +- 0.5; 2.7	14.4 +- 0.6; 3.9	14.9 +- 1.4
32	135 4.6	19.0 +- 0.6; 2.9	15.3 +- 0.6; 4.0	15.6 +- 1.4
33	152 6.3	17.5 +- 0.5; 2.6	13.8 +- 0.6; 3.8	13.7 +- 1.1
34	47 2.9	17.0 +- 0.5; 2.6	13.4 +- 0.6; 3.8	13.4 +- 1.6
35	85 4.8	18.5 +- 0.6; 2.8	14.7 +- 0.6; 3.9	15.2 +- 1.5
36	115 7.5	18.6 +- 0.6; 2.8	14.8 +- 0.6; 3.9	15.1 +- 1.4
37	355 9.4	17.9 +- 0.5; 2.7	14.2 +- 0.6; 3.9	14.6 +- 2.7
38	337 9.2	18.7 +- 0.6; 2.8	15.0 +- 0.6; 3.9	14.3 +- 1.4
39	310 9.9	17.8 +- 0.5; 2.7	14.0 +- 0.6; 3.9	14.5 +- 1.4
40	302 8.1	16.6 +- 0.5; 2.5	12.9 +- 0.6; 3.7	13.8 +- 1.5
41	248 7.9	19.6 +- 0.6; 2.9	15.8 +- 0.7; 4.0	15.9 +- 1.3
42	90 0.5	18.8 +- 0.6; 2.8	15.1 +- 0.6; 4.0	14.0 +- 1.6
43	18 9.8	18.0 +- 0.5; 2.7	14.3 +- 0.6; 3.9	15.0 +- 1.5
44	263 1.7	17.4 +- 0.5; 2.6	13.7 +- 0.6; 3.8	13.4 +- 1.7
45	218 12.0	18.8 +- 0.6; 2.8	15.1 +- 0.6; 4.0	15.0 +- 1.4
46	140 12.0	18.7 +- 0.6; 2.8	15.0 +- 0.6; 3.9	14.8 +- 1.4
47	301 21.0	18.2 +- 0.5; 2.7	14.5 +- 0.6; 3.9	14.7 +- 1.3

Transit Dose = 3.2 +- 0.3; 3.0

COMANCHE PEAK
For the period 940315-940726

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	14.5 +- 0.9	3
11.26 - 33.75 NNE	14.7 +- 0.4	3
33.76 - 56.25 NE	13.8 +- 0.6	2
56.26 - 78.75 ENE	16.4 +- 0.0	1
78.76 - 101.25 E	15.7 +- 1.4	3
101.26 - 123.75 ESE	14.5 +- 0.3	3
123.76 - 146.25 SE	15.4 +- 0.4	3
146.26 - 168.75 SSE	14.5 +- 0.7	3
168.76 - 191.25 S	14.2 +- 0.6	3
191.26 - 213.75 SSW	15.4 +- 0.9	2
213.76 - 236.25 SW	14.6 +- 1.4	3
236.26 - 258.75 WSW	14.9 +- 0.5	5
258.76 - 281.25 W	14.1 +- 0.5	3
281.26 - 303.75 WNW	14.4 +- 1.5	4
303.76 - 326.25 NW	15.4 +- 1.2	3
326.26 - 348.75 NNW	14.2 +- 1.1	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	15.0 +- 1.0	16
2 - 5	14.6 +- 1.0	14
> 5	14.6 +- 0.8	16
Upwind Control	No Data +- No Data	0

NRC TLD DOSES FOR COMANCHE PEAK AREA

Miles

0 2 4

Legend

Water

Railroads

Plant..site

Highways

Roads

COOPER

TLD Direct Radiation Environmental Monitoring

For the period 940315-940803 142 Days

Field Time: 98 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)		Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	363	2.4	28.3 +- 0.8; 4.2	19.0 +- 0.9; 5.1	19.0 +- 3.8
2	6	3.5	27.8 +- 0.8; 4.2	18.5 +- 0.9; 5.0	20.6 +- 3.4
3	18	2.7	29.8 +- 0.9; 4.5	20.3 +- 0.9; 5.2	21.0 +- 3.5
4	16	3.2	28.9 +- 0.9; 4.3	19.5 +- 0.9; 5.1	21.0 +- 3.3
5	47	1.9	28.9 +- 0.9; 4.3	19.5 +- 0.9; 5.1	20.8 +- 3.3
6	40	3.6	29.0 +- 0.9; 4.4	19.6 +- 0.9; 5.1	20.1 +- 3.4
7	75	2.7	Missing Dosimeter	No Net Data	20.2 +- 3.7
8	55	2.8	27.2 +- 0.8; 4.1	17.9 +- 0.9; 4.9	20.1 +- 3.6
9	80	2.1	29.7 +- 0.9; 4.5	20.3 +- 0.9; 5.2	21.6 +- 3.4
10	98	3.7	28.5 +- 0.9; 4.3	19.2 +- 0.9; 5.1	20.0 +- 3.4
11	118	2.3	30.4 +- 0.9; 4.6	20.9 +- 0.9; 5.3	21.4 +- 3.4
12	109	4.6	28.2 +- 0.8; 4.2	18.9 +- 0.9; 5.1	21.4 +- 3.3
13	141	3.2	28.4 +- 0.9; 4.3	19.0 +- 0.9; 5.1	20.9 +- 3.2
14	126	5.6	29.3 +- 0.9; 4.4	19.9 +- 0.9; 5.2	19.0 +- 2.7
15	159	2.7	27.5 +- 0.8; 4.1	18.2 +- 0.9; 5.0	20.1 +- 3.5
16	167	4.9	24.4 +- 0.7; 3.7	15.4 +- 0.8; 4.7	21.2 +- 3.7
17	205	0.3	30.0 +- 0.9; 4.5	20.5 +- 0.9; 5.2	20.5 +- 3.0
18	186	4.7	30.4 +- 0.9; 4.6	20.9 +- 0.9; 5.3	21.6 +- 3.5
19	213	3.0	29.4 +- 0.9; 4.4	20.0 +- 0.9; 5.2	20.5 +- 3.2
20	195	4.9	30.5 +- 0.9; 4.6	21.0 +- 0.9; 5.3	21.6 +- 3.2
21	222	2.0	28.4 +- 0.9; 4.3	19.1 +- 0.9; 5.1	19.4 +- 3.1
22	215	5.7	31.2 +- 0.9; 4.7	21.6 +- 1.0; 5.4	21.7 +- 3.5
23	256	1.5	31.0 +- 0.9; 4.6	21.4 +- 1.0; 5.3	21.2 +- 3.4
24	238	5.2	30.6 +- 0.9; 4.6	21.1 +- 0.9; 5.3	21.4 +- 3.7
25	276	2.2	30.7 +- 0.9; 4.6	21.2 +- 1.0; 5.3	21.7 +- 3.1
26	260	3.8	30.5 +- 0.9; 4.6	21.0 +- 0.9; 5.3	21.7 +- 3.0
27	301	1.8	30.2 +- 0.9; 4.5	20.7 +- 0.9; 5.3	21.3 +- 3.1
28	286	4.3	30.4 +- 0.9; 4.6	20.8 +- 0.9; 5.3	21.0 +- 3.5
29	324	2.8	28.5 +- 0.9; 4.3	19.1 +- 0.9; 5.1	20.6 +- 3.7
30	333	3.7	29.4 +- 0.9; 4.4	20.0 +- 0.9; 5.2	21.1 +- 3.4
31	343	2.6	29.1 +- 0.9; 4.4	19.6 +- 0.9; 5.1	21.3 +- 3.1
32	333	3.7	30.8 +- 0.9; 4.6	21.2 +- 1.0; 5.3	20.8 +- 3.3
33	215	1.0	29.3 +- 0.9; 4.4	19.8 +- 0.9; 5.2	21.4 +- 3.7
34	175	18.0	30.0 +- 0.9; 4.5	20.6 +- 0.9; 5.2	21.8 +- 3.7
35	333	23.0	29.2 +- 0.9; 4.4	19.8 +- 0.9; 5.2	20.0 +- 3.4
36	210	19.0	30.0 +- 0.9; 4.5	20.6 +- 0.9; 5.2	21.0 +- 3.4
37	64	7.0	31.7 +- 1.0; 4.8	22.1 +- 1.0; 5.4	24.3 +- 4.2
38	329	9.0	32.8 +- 1.0; 4.9	23.1 +- 1.0; 5.6	22.8 +- 3.3
39	273	10.0	29.8 +- 0.9; 4.5	20.4 +- 0.9; 5.2	20.4 +- 3.7
40	300	2.5	32.9 +- 1.0; 4.9	23.2 +- 1.0; 5.6	23.4 +- 3.2
42	93	3.5	Missing Dosimeter	No Net Data	20.3 +- 3.4
43	270	2.2	30.3 +- 0.9; 4.5	20.8 +- 0.9; 5.3	21.1 +- 3.5

Transit Dose = 7.7 +- 0.5; 3.5

COOPER

For the period 940315-940803

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	18.5 +- 0.0	1
11.26 - 33.75 NNE	19.9 +- 0.6	2
33.76 - 56.25 NE	19.0 +- 1.0	3
56.26 - 78.75 ENE	22.1 +- 0.0	1
78.76 - 101.25 E	19.7 +- 0.8	2
101.26 - 123.75 ESE	19.9 +- 1.4	2
123.76 - 146.25 SE	19.5 +- 0.6	2
146.26 - 168.75 SSE	16.8 +- 2.0	2
168.76 - 191.25 S	20.9 +- 0.0	1
191.26 - 213.75 SSW	20.5 +- 0.5	3
213.76 - 236.25 SW	20.2 +- 1.3	3
236.26 - 258.75 WSW	21.3 +- 0.2	2
258.76 - 281.25 W	20.8 +- 0.3	4
281.26 - 303.75 WNW	21.6 +- 1.4	3
303.76 - 326.25 NW	19.1 +- 0.0	1
326.26 - 348.75 NNW	21.0 +- 1.6	4

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	20.2 +- 0.8	6
2 - 5	19.8 +- 1.5	25
> 5	21.4 +- 1.2	6
Upwind Control	20.3 +- 0.4	3

NRC TLD DOSES FOR COOPER AREA

CRYSTAL RIVER

TLD Direct Radiation Environmental Monitoring

For the period 940316-940720 127 Days

Field Time: 91 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)	Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
6	61 4.2	13.3 +- 0.4; 2.0	11.4 +- 0.5; 3.4	12.9 +- 4.6
7	50 3.8	13.5 +- 0.4; 2.0	11.7 +- 0.5; 3.4	12.8 +- 4.5
8	20 5.2	14.4 +- 0.4; 2.2	12.5 +- 0.5; 3.5	13.5 +- 4.4
9	6 5.4	15.7 +- 0.5; 2.4	13.8 +- 0.5; 3.6	15.4 +- 5.0
10	348 5.0	15.4 +- 0.5; 2.3	13.5 +- 0.5; 3.6	14.6 +- 4.6
11	334 4.8	14.2 +- 0.4; 2.1	12.4 +- 0.5; 3.5	14.1 +- 4.5
12	318 4.8	14.6 +- 0.4; 2.2	12.7 +- 0.5; 3.5	13.6 +- 5.0
13	79 3.8	14.1 +- 0.4; 2.1	12.2 +- 0.5; 3.5	14.0 +- 4.8
14	95 4.1	12.8 +- 0.4; 1.9	10.9 +- 0.5; 3.3	13.7 +- 4.8
15	89 1.8	15.7 +- 0.5; 2.4	13.9 +- 0.5; 3.6	15.9 +- 4.8
16	113 5.0	13.7 +- 0.4; 2.1	11.9 +- 0.5; 3.4	13.1 +- 4.9
17	133 5.5	13.5 +- 0.4; 2.0	11.6 +- 0.5; 3.4	14.5 +- 5.1
18	74 8.1	13.5 +- 0.4; 2.0	11.7 +- 0.5; 3.4	13.1 +- 4.8
19	127 7.6	13.7 +- 0.4; 2.1	11.9 +- 0.5; 3.4	13.6 +- 4.6
20	150 12.0	13.3 +- 0.4; 2.0	11.4 +- 0.5; 3.4	12.7 +- 4.6
21	159 13.0	13.6 +- 0.4; 2.0	11.7 +- 0.5; 3.4	14.0 +- 4.9
22	150 13.0	13.5 +- 0.4; 2.0	11.6 +- 0.5; 3.4	13.4 +- 5.0
23	150 21.0	12.5 +- 0.4; 1.9	10.6 +- 0.5; 3.3	14.3 +- 5.3
24	150 21.0	12.8 +- 0.4; 1.9	11.0 +- 0.5; 3.3	12.7 +- 4.8
25	56 6.1	13.0 +- 0.4; 1.9	11.1 +- 0.5; 3.4	15.4 +- 5.4
26	357 5.2	14.9 +- 0.4; 2.2	13.1 +- 0.5; 3.5	14.4 +- 4.6
27	90 13.0	14.2 +- 0.4; 2.1	12.3 +- 0.5; 3.5	13.8 +- 4.9
28	140 4.8	15.1 +- 0.5; 2.3	13.2 +- 0.5; 3.5	14.2 +- 4.7

Transit Dose = 1.7 +- 0.3; 2.8

CRYSTAL RIVER
For the period 940316-940720

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	13.4 +- 0.5	2
11.26 - 33.75 NNE	12.5 +- 0.0	1
33.76 - 56.25 NE	11.4 +- 0.4	2
56.26 - 78.75 ENE	11.5 +- 0.1	2
78.76 - 101.25 E	12.3 +- 1.2	4
101.26 - 123.75 ESE	11.9 +- 0.0	1
123.76 - 146.25 SE	12.2 +- 0.9	3
146.26 - 168.75 SSE	11.6 +- 0.2	2
168.76 - 191.25 S	No Data +- No Data	0
191.26 - 213.75 SSW	No Data +- No Data	0
213.76 - 236.25 SW	No Data +- No Data	0
236.26 - 258.75 WSW	No Data +- No Data	0
258.76 - 281.25 W	No Data +- No Data	0
281.26 - 303.75 WNW	No Data +- No Data	0
303.76 - 326.25 NW	12.7 +- 0.0	1
326.26 - 348.75 NNW	13.0 +- 0.8	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	13.9 +- 0.0	1
2 - 5	12.2 +- 0.8	9
> 5	12.1 +- 0.8	10
Upwind Control	11.1 +- 0.5	3

NRC TLD DOSES FOR CRYSTAL RIVER AREA

Miles

Legend

Water

Highways

Railroads

Roads

Plant..site

DAVIS BESSE

TLD Direct Radiation Environmental Monitoring

For the period 940316-940714 121 Days

Field Time: 85 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)	Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	50 0.6	14.4 +- 0.4; 2.2	12.9 +- 0.5; 3.6	12.4 +- 1.7
2	86 0.9	15.8 +- 0.5; 2.4	14.4 +- 0.6; 3.8	13.7 +- 2.1
3	116 1.4	15.3 +- 0.5; 2.3	13.8 +- 0.6; 3.7	13.0 +- 1.9
4	172 0.8	15.6 +- 0.5; 2.3	14.1 +- 0.6; 3.7	16.1 +- 2.5
5	200 1.5	21.2 +- 0.6; 3.2	20.1 +- 0.7; 4.4	19.2 +- 2.3
6	226 1.0	17.0 +- 0.5; 2.6	15.7 +- 0.6; 3.9	16.4 +- 2.1
7	249 1.5	18.4 +- 0.6; 2.8	17.0 +- 0.7; 4.0	17.1 +- 2.1
8	267 1.8	18.4 +- 0.6; 2.8	17.1 +- 0.7; 4.0	17.4 +- 2.4
9	285 1.8	18.4 +- 0.6; 2.8	17.1 +- 0.7; 4.0	17.5 +- 2.1
10	306 1.5	15.7 +- 0.5; 2.4	14.3 +- 0.6; 3.8	15.1 +- 2.1
11	344 0.9	16.2 +- 0.5; 2.4	14.8 +- 0.6; 3.8	14.4 +- 1.5
12	142 4.5	20.4 +- 0.6; 3.1	19.2 +- 0.7; 4.3	18.1 +- 2.0
13	158 4.0	20.4 +- 0.6; 3.1	19.2 +- 0.7; 4.3	19.2 +- 2.2
14	180 3.8	18.6 +- 0.6; 2.8	17.4 +- 0.7; 4.1	16.1 +- 1.9
15	207 4.8	Missing Dosimeter	No Net Data	17.2 +- 2.3
16	225 4.5	19.2 +- 0.6; 2.9	17.9 +- 0.7; 4.1	17.3 +- 2.1
17	254 2.7	21.9 +- 0.7; 3.3	20.9 +- 0.8; 4.5	20.7 +- 2.3
18	269 3.0	19.5 +- 0.6; 2.9	18.2 +- 0.7; 4.2	17.8 +- 2.1
19	295 5.3	21.7 +- 0.7; 3.3	20.6 +- 0.8; 4.4	19.4 +- 2.3
20	25 0.5	14.7 +- 0.4; 2.2	13.2 +- 0.6; 3.6	12.5 +- 2.2
21	132 9.7	18.4 +- 0.6; 2.8	17.1 +- 0.7; 4.0	16.8 +- 2.0
22	210 6.5	19.9 +- 0.6; 3.0	18.7 +- 0.7; 4.2	17.6 +- 3.6

Transit Dose = 2.3 +- 0.3; 2.6

DAVIS BESSE

For the period 940316-940714

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	No Data +- No Data	0
11.26 - 33.75 NNE	13.2 +- 0.0	1
33.76 - 56.25 NE	12.9 +- 0.0	1
56.26 - 78.75 ENE	No Data +- No Data	0
78.76 - 101.25 E	14.4 +- 0.0	1
101.26 - 123.75 ESE	13.8 +- 0.0	1
123.76 - 146.25 SE	19.2 +- 0.0	1
146.26 - 168.75 SSE	19.2 +- 0.0	1
168.76 - 191.25 S	15.7 +- 2.3	2
191.26 - 213.75 SSW	20.1 +- 0.0	1
213.76 - 236.25 SW	16.8 +- 1.6	2
236.26 - 258.75 WSW	18.9 +- 2.7	2
258.76 - 281.25 W	17.6 +- 0.8	2
281.26 - 303.75 WNW	18.9 +- 2.5	2
303.76 - 326.25 NW	14.3 +- 0.0	1
326.26 - 348.75 NNW	14.8 +- 0.0	1

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	15.4 +- 2.1	12
2 - 5	18.8 +- 1.2	6
> 5	20.6 +- 0.0	1
Upwind Control	17.9 +- 1.1	2

NRC TLD DOSES FOR DAVIS-BESSE AREA

Miles

Legend

Water

Highways

Railroads

Roads

Plant..site

DC COOK

TLD Direct Radiation Environmental Monitoring

For the period 940315-940720 128 Days

Field Time: 97 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)	Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	54 1.7	17.4 +- 0.5; 2.6	13.8 +- 0.6; 3.7	14.5 +- 2.2
2	67 1.3	19.8 +- 0.6; 3.0	16.0 +- 0.6; 3.9	16.7 +- 2.5
3	89 1.1	15.2 +- 0.5; 2.3	11.7 +- 0.5; 3.5	13.6 +- 2.5
4	58 0.7	15.6 +- 0.5; 2.3	12.1 +- 0.5; 3.5	13.7 +- 2.5
5	19 2.3	16.8 +- 0.5; 2.5	13.2 +- 0.6; 3.6	14.4 +- 2.3
6	111 1.6	16.1 +- 0.5; 2.4	12.5 +- 0.5; 3.6	14.3 +- 2.4
7	135 1.5	16.2 +- 0.5; 2.4	12.7 +- 0.5; 3.6	14.0 +- 2.5
8	158 1.4	21.3 +- 0.6; 3.2	17.4 +- 0.7; 4.1	16.2 +- 2.6
9	171 1.9	17.5 +- 0.5; 2.6	13.9 +- 0.6; 3.7	13.6 +- 2.1
10	199 1.5	15.8 +- 0.5; 2.4	12.3 +- 0.5; 3.6	14.0 +- 2.3
11	195 3.9	15.4 +- 0.5; 2.3	11.9 +- 0.5; 3.5	14.0 +- 2.5
12	200 6.6	16.4 +- 0.5; 2.5	12.8 +- 0.5; 3.6	14.8 +- 2.5
13	179 3.9	20.1 +- 0.6; 3.0	16.3 +- 0.6; 4.0	17.0 +- 2.6
14	151 4.4	19.5 +- 0.6; 2.9	15.7 +- 0.6; 3.9	17.9 +- 2.5
15	130 4.6	20.7 +- 0.6; 3.1	16.9 +- 0.6; 4.0	18.1 +- 2.2
16	110 3.7	18.8 +- 0.6; 2.8	15.1 +- 0.6; 3.8	15.5 +- 2.1
17	88 3.6	17.1 +- 0.5; 2.6	13.5 +- 0.6; 3.7	15.0 +- 2.2
18	67 3.8	17.4 +- 0.5; 2.6	13.8 +- 0.6; 3.7	15.2 +- 2.6
19	24 3.8	15.2 +- 0.5; 2.3	11.7 +- 0.5; 3.5	14.1 +- 2.4
20	43 3.3	18.3 +- 0.6; 2.8	14.7 +- 0.6; 3.8	16.6 +- 3.0
21	26 9.9	21.3 +- 0.6; 3.2	17.4 +- 0.7; 4.1	18.0 +- 4.2
22	121 18.0	17.2 +- 0.5; 2.6	13.6 +- 0.6; 3.7	14.9 +- 2.2
23	121 18.0	18.5 +- 0.6; 2.8	14.8 +- 0.6; 3.8	15.1 +- 2.6
24	121 18.0	16.5 +- 0.5; 2.5	13.0 +- 0.5; 3.6	17.1 +- 2.7

Transit Dose = 2.6 +- 0.3; 3.0

DC COOK

For the period 940315-940720

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	No Data +- No Data	0
11.26 - 33.75 NNE	14.1 +- 2.9	3
33.76 - 56.25 NE	14.2 +- 0.6	2
56.26 - 78.75 ENE	14.0 +- 1.9	3
78.76 - 101.25 E	12.6 +- 1.3	2
101.26 - 123.75 ESE	13.8 +- 1.8	2
123.76 - 146.25 SE	14.8 +- 3.0	2
146.26 - 168.75 SSE	16.6 +- 1.2	2
168.76 - 191.25 S	15.1 +- 1.7	2
191.26 - 213.75 SSW	12.3 +- 0.5	3
213.76 - 236.25 SW	No Data +- No Data	0
236.26 - 258.75 WSW	No Data +- No Data	0
258.76 - 281.25 W	No Data +- No Data	0
281.26 - 303.75 WNW	No Data +- No Data	0
303.76 - 326.25 NW	No Data +- No Data	0
326.26 - 348.75 NNW	No Data +- No Data	0

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	13.6 +- 1.9	9
2 - 5	14.3 +- 1.8	10
> 5	15.1 +- 3.2	2
Upwind Control	13.8 +- 1.0	3

NRC TLD DOSES FOR D.C. COOK AREA

Miles

Legend

Water

Railroads

Plant..site

Highways

Roads

DIABLO CANYON

TLD Direct Radiation Environmental Monitoring

For the period 940315-940721 129 Days

Field Time: 100 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)	Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	132 0.9	28.6 +- 0.9; 4.3	22.5 +- 0.8; 4.8	23.2 +- 1.6
2	119 3.9	25.9 +- 0.8; 3.9	20.1 +- 0.8; 4.5	21.0 +- 1.5
3	107 7.2	23.3 +- 0.7; 3.5	17.8 +- 0.7; 4.3	19.5 +- 1.6
4	111 10.3	23.5 +- 0.7; 3.5	18.0 +- 0.7; 4.3	18.7 +- 1.6
5	115 13.9	24.3 +- 0.7; 3.6	18.7 +- 0.7; 4.4	19.9 +- 1.7
6	68 9.4	23.9 +- 0.7; 3.6	18.3 +- 0.7; 4.3	18.2 +- 1.7
7	359 11.1	21.5 +- 0.6; 3.2	16.1 +- 0.7; 4.1	16.3 +- 2.4
8	359 6.6	17.5 +- 0.5; 2.6	12.6 +- 0.6; 3.7	14.6 +- 1.7
9	339 4.8	17.4 +- 0.5; 2.6	12.5 +- 0.6; 3.7	13.5 +- 1.4
10	327 3.6	18.0 +- 0.5; 2.7	13.0 +- 0.6; 3.8	14.7 +- 2.5
11	325 1.2	18.9 +- 0.6; 2.8	13.8 +- 0.6; 3.8	14.5 +- 1.8
12	36 20.7	27.4 +- 0.8; 4.1	21.5 +- 0.8; 4.7	21.0 +- 1.4
13	36 20.7	25.8 +- 0.8; 3.9	20.1 +- 0.8; 4.5	20.8 +- 2.0
14	36 20.7	26.9 +- 0.8; 4.0	21.1 +- 0.8; 4.6	21.2 +- 1.6

Transit Dose = 3.5 +- 0.4; 3.2

DIABLO CANYON
For the period 940315-940721

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	14.4 +- 2.5	2
11.26 - 33.75 NNE	No Data +- No Data	0
33.76 - 56.25 NE	No Data +- No Data	0
56.26 - 78.75 ENE	18.3 +- 0.0	1
78.76 - 101.25 E	No Data +- No Data	0
101.26 - 123.75 ESE	18.6 +- 1.0	4
123.76 - 146.25 SE	22.5 +- 0.0	1
146.26 - 168.75 SSE	No Data +- No Data	0
168.76 - 191.25 S	No Data +- No Data	0
191.26 - 213.75 SSW	No Data +- No Data	0
213.76 - 236.25 SW	No Data +- No Data	0
236.26 - 258.75 WSW	No Data +- No Data	0
258.76 - 281.25 W	No Data +- No Data	0
281.26 - 303.75 WNW	No Data +- No Data	0
303.76 - 326.25 NW	13.8 +- 0.0	1
326.26 - 348.75 NNW	12.8 +- 0.4	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	18.2 +- 6.1	2
2 - 5	15.2 +- 4.2	3
> 5	16.9 +- 2.3	6
Upwind Control	20.9 +- 0.7	3

NRC TLD DOSES FOR DIABLO CANYON AREA

Miles

Legend

Water
Highways

Railroads
Roads

Plant..site

DRESDEN

TLD Direct Radiation Environmental Monitoring

For the period 940315-940726 134 Days

Field Time: 94 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)	Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	70 4.2	22.1 +- 0.7; 3.3	17.0 +- 0.7; 4.3	17.1 +- 2.7
2	76 3.9	19.5 +- 0.6; 2.9	14.5 +- 0.7; 4.1	16.4 +- 3.2
3	108 3.2	21.4 +- 0.6; 3.2	16.4 +- 0.7; 4.3	17.3 +- 2.6
4	142 1.3	18.6 +- 0.6; 2.8	13.7 +- 0.6; 4.0	14.4 +- 2.8
5	115 1.5	18.9 +- 0.6; 2.8	13.9 +- 0.6; 4.0	14.3 +- 2.5
6	180 1.9	20.4 +- 0.6; 3.1	15.4 +- 0.7; 4.2	17.4 +- 3.1
7	179 0.5	20.7 +- 0.6; 3.1	15.7 +- 0.7; 4.2	16.6 +- 2.5
8	180 0.7	19.0 +- 0.6; 2.8	14.0 +- 0.6; 4.0	14.4 +- 2.4
9	253 0.5	23.9 +- 0.7; 3.6	18.7 +- 0.8; 4.5	17.9 +- 2.8
10	254 1.3	33.8 +- 1.0; 5.1	28.3 +- 1.0; 5.7	23.4 +- 4.1
11	250 1.5	18.9 +- 0.6; 2.8	14.0 +- 0.6; 4.0	15.0 +- 2.9
12	263 2.1	22.3 +- 0.7; 3.3	17.2 +- 0.7; 4.4	17.9 +- 2.5
13	180 4.0	17.4 +- 0.5; 2.6	12.5 +- 0.6; 3.9	13.8 +- 2.4
14	158 4.8	19.8 +- 0.6; 3.0	14.8 +- 0.7; 4.1	15.0 +- 2.3
15	137 4.2	18.0 +- 0.5; 2.7	13.1 +- 0.6; 3.9	15.2 +- 2.8
16	134 8.4	19.3 +- 0.6; 2.9	14.3 +- 0.7; 4.0	14.9 +- 2.5
17	189 7.4	19.3 +- 0.6; 2.9	14.3 +- 0.7; 4.0	15.7 +- 2.5
18	203 4.1	17.2 +- 0.5; 2.6	12.3 +- 0.6; 3.8	13.7 +- 3.0
19	231 4.0	20.6 +- 0.6; 3.1	15.6 +- 0.7; 4.2	18.4 +- 3.2
20	244 6.4	20.4 +- 0.6; 3.1	15.4 +- 0.7; 4.2	16.1 +- 3.0
21	258 8.6	21.4 +- 0.6; 3.2	16.3 +- 0.7; 4.3	16.9 +- 2.5
22	269 4.4	18.1 +- 0.5; 2.7	13.2 +- 0.6; 3.9	14.5 +- 2.6
23	301 3.5	19.3 +- 0.6; 2.9	14.4 +- 0.7; 4.1	15.1 +- 1.5
24	311 3.9	Missing Dosimeter	No Net Data	16.0 +- 2.9
25	340 4.7	24.1 +- 0.7; 3.6	18.9 +- 0.8; 4.5	18.7 +- 3.0
26	7 4.4	20.1 +- 0.6; 3.0	15.1 +- 0.7; 4.1	15.6 +- 2.7
27	355 2.0	26.0 +- 0.8; 3.9	20.8 +- 0.8; 4.8	20.3 +- 3.0
28	327 1.7	25.7 +- 0.8; 3.9	20.5 +- 0.8; 4.7	20.8 +- 2.7
29	318 1.4	22.7 +- 0.7; 3.4	17.6 +- 0.7; 4.4	18.0 +- 3.2
30	295 2.0	18.0 +- 0.5; 2.7	13.1 +- 0.6; 3.9	15.4 +- 3.2
31	30 1.5	24.2 +- 0.7; 3.6	19.1 +- 0.8; 4.6	19.4 +- 3.0
32	48 1.9	24.8 +- 0.7; 3.7	19.6 +- 0.8; 4.6	20.7 +- 3.0
33	76 1.4	22.4 +- 0.7; 3.4	17.3 +- 0.7; 4.4	19.0 +- 3.0
34	90 1.4	23.7 +- 0.7; 3.6	18.6 +- 0.8; 4.5	17.7 +- 3.5
35	26 4.5	21.6 +- 0.6; 3.2	16.5 +- 0.7; 4.3	17.5 +- 2.8
36	42 3.6	20.9 +- 0.6; 3.1	15.9 +- 0.7; 4.2	16.0 +- 2.9
37	52 11.5	21.6 +- 0.6; 3.2	16.5 +- 0.7; 4.3	16.9 +- 3.2
38	274 21.5	22.0 +- 0.7; 3.3	16.9 +- 0.7; 4.3	17.8 +- 3.2
39	274 21.5	21.6 +- 0.6; 3.2	16.5 +- 0.7; 4.3	17.6 +- 3.0
40	275 21.5	22.6 +- 0.7; 3.4	17.5 +- 0.7; 4.4	19.1 +- 3.5

Transit Dose = 4.3 +- 0.4; 3.1

DRESDEN

For the period 940315-940726

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	17.9 +- 4.0	2
11.26 - 33.75 NNE	17.8 +- 1.8	2
33.76 - 56.25 NE	17.4 +- 2.0	3
56.26 - 78.75 ENE	16.3 +- 1.5	3
78.76 - 101.25 E	18.6 +- 0.0	1
101.26 - 123.75 ESE	15.1 +- 1.7	2
123.76 - 146.25 SE	13.7 +- 0.6	3
146.26 - 168.75 SSE	14.8 +- 0.0	1
168.76 - 191.25 S	14.4 +- 1.3	5
191.26 - 213.75 SSW	12.3 +- 0.0	1
213.76 - 236.25 SW	15.6 +- 0.0	1
236.26 - 258.75 WSW	18.5 +- 5.7	5
258.76 - 281.25 W	15.2 +- 2.8	2
281.26 - 303.75 WNW	13.8 +- 0.9	2
303.76 - 326.25 NW	17.6 +- 0.0	1
326.26 - 348.75 NNW	19.7 +- 1.1	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	17.5 +- 3.9	16
2 - 5	15.2 +- 1.9	15
> 5	15.4 +- 1.1	5
Upwind Control	17.0 +- 0.5	3

NRC TLD DOSES FOR DRESDEN AREA

Miles

0 2 4

Legend

Water

Highways

Railroads

Roads

Plant..site

DUANE ARNOLD

TLD Direct Radiation Environmental Monitoring

For the period 940315-940714 122 Days

Field Time: 92 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)		Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	163	9.7	18.2 +- 0.5; 2.7	17.7 +- 0.6; 3.8	16.5 +- 2.1
2	170	6.2	19.5 +- 0.6; 2.9	19.0 +- 0.6; 3.9	18.6 +- 1.8
3	180	3.5	16.5 +- 0.5; 2.5	16.0 +- 0.5; 3.6	15.4 +- 1.4
4	216	2.9	20.3 +- 0.6; 3.0	19.7 +- 0.6; 4.0	18.7 +- 2.3
5	201	2.5	17.2 +- 0.5; 2.6	16.8 +- 0.6; 3.7	15.2 +- 1.8
6	213	1.0	19.0 +- 0.6; 2.9	18.5 +- 0.6; 3.8	17.0 +- 1.9
7	248	1.0	20.7 +- 0.6; 3.1	20.1 +- 0.6; 4.0	18.9 +- 2.0
8	279	1.0	20.7 +- 0.6; 3.1	20.1 +- 0.6; 4.0	18.4 +- 2.0
9	298	1.0	22.4 +- 0.7; 3.4	21.8 +- 0.7; 4.2	19.5 +- 2.4
10	320	1.5	21.2 +- 0.6; 3.2	20.7 +- 0.7; 4.1	18.7 +- 2.2
11	343	1.0	21.0 +- 0.6; 3.2	20.5 +- 0.7; 4.1	19.4 +- 2.2
12	359	1.2	20.6 +- 0.6; 3.1	20.1 +- 0.6; 4.0	18.2 +- 2.0
13	237	0.5	19.6 +- 0.6; 2.9	19.1 +- 0.6; 3.9	17.4 +- 2.0
14	259	3.9	19.8 +- 0.6; 3.0	19.3 +- 0.6; 3.9	18.0 +- 2.2
15	272	5.0	15.7 +- 0.5; 2.3	15.2 +- 0.5; 3.5	15.1 +- 1.7
16	285	5.0	17.5 +- 0.5; 2.6	17.0 +- 0.6; 3.7	16.8 +- 1.8
17	308	4.5	Missing Dosimeter	No Net Data	18.8 +- 2.2
18	340	4.5	20.3 +- 0.6; 3.0	19.8 +- 0.6; 4.0	15.6 +- 1.6
19	291	15.0	19.2 +- 0.6; 2.9	18.7 +- 0.6; 3.9	17.0 +- 1.7
20	291	15.0	20.4 +- 0.6; 3.1	19.9 +- 0.6; 4.0	17.9 +- 2.1
21	291	15.0	19.0 +- 0.6; 2.9	18.5 +- 0.6; 3.8	16.5 +- 1.8
22	358	6.1	17.6 +- 0.5; 2.6	17.1 +- 0.6; 3.7	15.9 +- 1.6
23	7	2.9	17.4 +- 0.5; 2.6	17.0 +- 0.6; 3.7	15.3 +- 1.8
24	28	3.0	20.7 +- 0.6; 3.1	20.2 +- 0.6; 4.0	18.6 +- 2.1
25	39	3.5	19.2 +- 0.6; 2.9	18.7 +- 0.6; 3.9	17.3 +- 1.8
26	64	3.8	19.7 +- 0.6; 3.0	19.2 +- 0.6; 3.9	17.7 +- 1.7
27	50	1.9	17.6 +- 0.5; 2.6	17.2 +- 0.6; 3.7	15.6 +- 1.8
28	72	2.3	18.6 +- 0.6; 2.8	18.1 +- 0.6; 3.8	17.2 +- 1.5
29	91	3.0	17.5 +- 0.5; 2.6	17.0 +- 0.6; 3.7	15.5 +- 1.8
30	93	1.8	21.4 +- 0.6; 3.2	20.9 +- 0.7; 4.1	19.0 +- 1.7
31	113	2.0	21.3 +- 0.6; 3.2	20.7 +- 0.7; 4.1	19.2 +- 1.8
32	141	1.6	17.0 +- 0.5; 2.6	16.6 +- 0.5; 3.6	15.5 +- 1.8
33	153	1.5	20.0 +- 0.6; 3.0	19.5 +- 0.6; 3.9	17.6 +- 1.9
34	177	1.2	16.2 +- 0.5; 2.4	15.8 +- 0.5; 3.6	15.8 +- 2.6
35	153	4.2	17.4 +- 0.5; 2.6	16.9 +- 0.6; 3.7	15.1 +- 1.8
36	135	4.1	17.3 +- 0.5; 2.6	16.8 +- 0.6; 3.7	16.5 +- 1.7
37	111	4.6	20.2 +- 0.6; 3.0	19.7 +- 0.6; 4.0	18.8 +- 1.9
38	123	5.1	Missing Dosimeter	No Net Data	18.7 +- 1.9
39	132	7.0	17.1 +- 0.5; 2.6	16.7 +- 0.6; 3.6	15.8 +- 1.6
40	139	7.6	Missing Dosimeter	No Net Data	16.6 +- 1.6

Transit Dose = 0.1 +- 0.2; 2.7

DUANE ARNOLD

For the period 940315-940714

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	18.1 +- 1.8	3
11.26 - 33.75 NNE	20.2 +- 0.0	1
33.76 - 56.25 NE	17.9 +- 1.1	2
56.26 - 78.75 ENE	18.7 +- 0.8	2
78.76 - 101.25 E	18.9 +- 2.7	2
101.26 - 123.75 ESE	20.2 +- 0.7	2
123.76 - 146.25 SE	16.7 +- 0.1	3
146.26 - 168.75 SSE	18.0 +- 1.3	3
168.76 - 191.25 S	16.9 +- 1.8	3
191.26 - 213.75 SSW	17.7 +- 1.2	2
213.76 - 236.25 SW	19.7 +- 0.0	1
236.26 - 258.75 WSW	19.6 +- 0.7	2
258.76 - 281.25 W	18.2 +- 2.6	3
281.26 - 303.75 WNW	19.4 +- 3.4	2
303.76 - 326.25 NW	20.7 +- 0.0	1
326.26 - 348.75 NNW	20.1 +- 0.5	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	19.4 +- 1.8	14
2 - 5	18.0 +- 1.5	16
> 5	17.6 +- 1.0	4
Upwind Control	19.0 +- 0.7	3

NRC TLD DOSES FOR DUANE ARNOLD AREA

Miles

Legend

Water

Highways

Railroads

Roads

Plant..site

FARLEY

TLD Direct Radiation Environmental Monitoring

For the period 940316-940727 134 Days

Field Time: 110 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)	Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	268 15.0	15.1 +- 0.5; 2.3	10.2 +- 0.5; 3.3	14.3 +- 2.6
2	252 7.8	17.0 +- 0.5; 2.6	11.8 +- 0.5; 3.5	14.4 +- 2.6
3	217 6.1	17.2 +- 0.5; 2.6	12.0 +- 0.5; 3.5	15.6 +- 2.2
4	155 5.7	21.8 +- 0.7; 3.3	15.7 +- 0.6; 3.9	18.5 +- 2.2
5	170 5.1	17.6 +- 0.5; 2.6	12.2 +- 0.5; 3.5	15.6 +- 2.2
6	197 4.5	16.6 +- 0.5; 2.5	11.4 +- 0.5; 3.4	14.5 +- 2.2
7	191 2.4	19.0 +- 0.6; 2.8	13.4 +- 0.5; 3.6	18.1 +- 2.8
8	200 1.8	18.3 +- 0.5; 2.7	12.8 +- 0.5; 3.6	15.6 +- 2.3
9	220 1.2	15.8 +- 0.5; 2.4	10.8 +- 0.5; 3.4	14.0 +- 2.3
10	254 0.9	19.4 +- 0.6; 2.9	13.7 +- 0.6; 3.7	16.1 +- 2.1
11	300 0.9	19.2 +- 0.6; 2.9	13.6 +- 0.6; 3.6	16.0 +- 2.1
12	319 1.1	18.6 +- 0.6; 2.8	13.1 +- 0.5; 3.6	16.3 +- 2.4
13	338 1.3	16.7 +- 0.5; 2.5	11.5 +- 0.5; 3.5	14.6 +- 2.1
14	256 1.2	16.6 +- 0.5; 2.5	11.4 +- 0.5; 3.4	14.9 +- 2.3
15	16 1.3	21.8 +- 0.7; 3.3	15.7 +- 0.6; 3.9	20.3 +- 2.3
16	264 1.6	17.4 +- 0.5; 2.6	12.1 +- 0.5; 3.5	15.0 +- 2.2
17	253 3.5	19.5 +- 0.6; 2.9	13.8 +- 0.6; 3.7	17.1 +- 2.2
18	233 3.2	17.9 +- 0.5; 2.7	12.5 +- 0.5; 3.5	15.2 +- 2.2
19	267 4.5	22.5 +- 0.7; 3.4	16.3 +- 0.6; 3.9	16.1 +- 2.2
20	295 3.8	17.6 +- 0.5; 2.6	12.2 +- 0.5; 3.5	16.2 +- 2.7
21	315 4.6	16.3 +- 0.5; 2.4	11.2 +- 0.5; 3.4	14.6 +- 2.4
22	332 4.3	17.2 +- 0.5; 2.6	11.9 +- 0.5; 3.5	14.4 +- 2.1
23	251 4.8	16.7 +- 0.5; 2.5	11.5 +- 0.5; 3.5	14.0 +- 2.2
24	32 5.3	19.1 +- 0.6; 2.9	13.5 +- 0.5; 3.6	16.5 +- 2.1
25	54 6.2	15.9 +- 0.5; 2.4	10.9 +- 0.5; 3.4	14.2 +- 2.3
26	64 5.5	18.7 +- 0.6; 2.8	13.1 +- 0.5; 3.6	15.9 +- 2.2
27	88 4.7	18.1 +- 0.5; 2.7	12.6 +- 0.5; 3.6	15.6 +- 2.1
28	124 5.1	18.7 +- 0.6; 2.8	13.2 +- 0.5; 3.6	16.3 +- 2.1
29	153 4.1	18.2 +- 0.5; 2.7	12.8 +- 0.5; 3.6	15.6 +- 2.2
30	142 3.6	16.9 +- 0.5; 2.5	11.7 +- 0.5; 3.5	14.3 +- 2.0
31	130 3.0	14.8 +- 0.4; 2.2	10.0 +- 0.5; 3.3	13.4 +- 2.3
32	110 2.8	16.5 +- 0.5; 2.5	11.4 +- 0.5; 3.4	14.4 +- 2.4
33	78 2.6	16.1 +- 0.5; 2.4	11.0 +- 0.5; 3.4	14.3 +- 2.5
34	58 2.2	15.4 +- 0.5; 2.3	10.4 +- 0.5; 3.4	13.2 +- 2.3
35	34 2.4	21.9 +- 0.7; 3.3	15.7 +- 0.6; 3.9	19.3 +- 2.3
36	19 2.7	19.3 +- 0.6; 2.9	13.7 +- 0.6; 3.7	16.7 +- 2.1
37	284 10.0	18.1 +- 0.5; 2.7	12.7 +- 0.5; 3.6	15.7 +- 2.3
38	289 15.0	19.1 +- 0.6; 2.9	13.5 +- 0.6; 3.6	14.9 +- 3.4
39	293 15.0	19.5 +- 0.6; 2.9	13.8 +- 0.6; 3.7	16.6 +- 1.9

Transit Dose = 2.6 +- 0.4; 3.4

FARLEY

For the period 940316-940727

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	No Data +- No Data	0
11.26 - 33.75 NNE	14.3 +- 1.2	3
33.76 - 56.25 NE	13.3 +- 3.4	2
56.26 - 78.75 ENE	11.5 +- 1.4	3
78.76 - 101.25 E	12.6 +- 0.0	1
101.26 - 123.75 ESE	11.4 +- 0.0	1
123.76 - 146.25 SE	11.6 +- 1.6	3
146.26 - 168.75 SSE	14.2 +- 2.1	2
168.76 - 191.25 S	12.8 +- 0.8	2
191.26 - 213.75 SSW	12.1 +- 1.0	2
213.76 - 236.25 SW	11.8 +- 0.9	3
236.26 - 258.75 WSW	12.5 +- 1.2	5
258.76 - 281.25 W	12.9 +- 3.1	3
281.26 - 303.75 WNW	12.9 +- 1.0	2
303.76 - 326.25 NW	12.2 +- 1.3	2
326.26 - 348.75 NNW	11.7 +- 0.3	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	12.7 +- 1.5	9
2 - 5	12.4 +- 1.7	18
> 5	12.5 +- 1.6	9
Upwind Control	13.3 +- 0.6	3

NRC TLD DOSES FOR FARLEY AREA

Miles

Legend

- Highways   - - - - - Railroads   - - - - - Roads   ★ Plant..site

FERMI

TLD Direct Radiation Environmental Monitoring

For the period 940315-940721 129 Days

Field Time: 92 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)	Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	38 2.1	Missing Dosimeter	No Net Data	13.7 +- 3.3
2	22 2.3	18.4 +- 0.6; 2.8	12.6 +- 0.7; 4.1	15.3 +- 3.1
3	350 1.8	25.6 +- 0.8; 3.8	19.7 +- 0.8; 4.8	20.1 +- 2.2
4	345 1.9	20.7 +- 0.6; 3.1	14.9 +- 0.7; 4.3	16.2 +- 2.4
5	346 1.4	21.0 +- 0.6; 3.1	15.1 +- 0.7; 4.3	17.3 +- 2.4
6	310 1.3	21.8 +- 0.7; 3.3	15.9 +- 0.7; 4.4	17.3 +- 2.7
7	298 1.4	21.1 +- 0.6; 3.2	15.3 +- 0.7; 4.4	17.0 +- 2.3
8	277 1.6	22.0 +- 0.7; 3.3	16.2 +- 0.8; 4.5	17.1 +- 2.0
9	238 1.0	18.6 +- 0.6; 2.8	12.9 +- 0.7; 4.1	15.6 +- 3.1
10	225 1.5	Missing Dosimeter	No Net Data	14.3 +- 2.3
11	193 0.8	20.9 +- 0.6; 3.1	15.0 +- 0.7; 4.3	16.9 +- 2.1
12	183 0.9	20.4 +- 0.6; 3.1	14.6 +- 0.7; 4.3	16.8 +- 2.3
13	175 0.8	20.9 +- 0.6; 3.1	15.0 +- 0.7; 4.3	16.4 +- 2.1
14	260 1.7	23.4 +- 0.7; 3.5	17.5 +- 0.8; 4.6	18.5 +- 2.2
15	245 2.5	19.7 +- 0.6; 3.0	13.9 +- 0.7; 4.2	15.7 +- 2.4
16	236 5.0	Missing Dosimeter	No Net Data	19.1 +- 2.0
17	225 6.8	17.6 +- 0.5; 2.6	11.8 +- 0.6; 4.0	13.7 +- 2.4
18	250 7.8	Missing Dosimeter	No Net Data	13.8 +- 2.8
19	277 6.0	18.0 +- 0.5; 2.7	12.2 +- 0.7; 4.0	14.3 +- 2.2
20	297 6.0	19.2 +- 0.6; 2.9	13.4 +- 0.7; 4.2	16.3 +- 2.8
21	320 3.8	20.3 +- 0.6; 3.0	14.5 +- 0.7; 4.3	16.0 +- 1.3
22	340 4.7	21.5 +- 0.6; 3.2	15.6 +- 0.7; 4.4	17.7 +- 2.1
23	358 4.3	20.7 +- 0.6; 3.1	14.9 +- 0.7; 4.3	18.2 +- 2.6
24	23 5.0	22.5 +- 0.7; 3.4	16.7 +- 0.8; 4.5	19.3 +- 2.2
25	25 7.0	16.9 +- 0.5; 2.5	11.2 +- 0.6; 3.9	14.2 +- 2.4
26	0 7.0	18.0 +- 0.5; 2.7	12.2 +- 0.7; 4.0	15.0 +- 2.5
27	342 8.0	20.6 +- 0.6; 3.1	14.8 +- 0.7; 4.3	16.2 +- 2.3
28	320 9.5	18.7 +- 0.6; 2.8	12.9 +- 0.7; 4.1	15.2 +- 2.1
29	290 11.0	Missing Dosimeter	No Net Data	17.6 +- 2.2
30	270 11.0	23.1 +- 0.7; 3.5	17.2 +- 0.8; 4.6	18.4 +- 2.3
31	245 10.0	20.0 +- 0.6; 3.0	14.2 +- 0.7; 4.2	15.5 +- 2.2
32	220 11.0	18.7 +- 0.6; 2.8	12.9 +- 0.7; 4.1	16.4 +- 2.4
33	270 15.0	17.9 +- 0.5; 2.7	12.2 +- 0.7; 4.0	14.8 +- 2.2
34	270 15.0	19.2 +- 0.6; 2.9	13.4 +- 0.7; 4.2	15.0 +- 2.1
35	290 16.0	20.2 +- 0.6; 3.0	14.4 +- 0.7; 4.3	16.0 +- 2.0
36	350 0.8	16.9 +- 0.5; 2.5	11.1 +- 0.6; 3.9	15.3 +- 3.3
37	330 0.7	19.6 +- 0.6; 2.9	13.8 +- 0.7; 4.2	16.1 +- 2.6
38	310 0.7	19.2 +- 0.6; 2.9	13.4 +- 0.7; 4.2	15.8 +- 3.1
39	23 10.0	23.5 +- 0.7; 3.5	17.6 +- 0.8; 4.6	17.2 +- 2.2
40	0 9.0	23.4 +- 0.7; 3.5	17.5 +- 0.8; 4.6	18.1 +- 2.1
41	348 9.0	19.2 +- 0.6; 2.9	13.4 +- 0.7; 4.2	14.3 +- 2.4

Transit Dose = 5.5 +- 0.4; 3.1

FERMI

For the period 940315-940721

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	15.1 +- 3.6	5
11.26 - 33.75 NNE	14.5 +- 3.1	4
33.76 - 56.25 NE	No Data +- No Data	0
56.26 - 78.75 ENE	No Data +- No Data	0
78.76 - 101.25 E	No Data +- No Data	0
101.26 - 123.75 ESE	No Data +- No Data	0
123.76 - 146.25 SE	No Data +- No Data	0
146.26 - 168.75 SSE	No Data +- No Data	0
168.76 - 191.25 S	14.8 +- 0.3	2
191.26 - 213.75 SSW	15.0 +- 0.0	1
213.76 - 236.25 SW	12.4 +- 0.8	2
236.26 - 258.75 WSW	13.7 +- 0.7	3
258.76 - 281.25 W	15.8 +- 2.4	4
281.26 - 303.75 WNW	14.3 +- 1.3	2
303.76 - 326.25 NW	14.2 +- 1.4	4
326.26 - 348.75 NNW	14.6 +- 0.8	6

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	15.0 +- 2.0	14
2 - 5	14.7 +- 1.4	6
> 5	14.0 +- 2.2	13
Upwind Control	13.3 +- 1.1	3

NRC TLD DOSES FOR FERMI AREA

Miles

Legend

Water
Highways

Railroads
Roads

Plant..site

FITZ/NMP

TLD Direct Radiation Environmental Monitoring

For the period 940317-940720 126 Days

Field Time: 101 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)	Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	230 6.9	18.2 +- 0.5; 2.7	15.4 +- 0.5; 3.6	14.6 +- 1.5
2	184 14.0	18.9 +- 0.6; 2.8	16.0 +- 0.6; 3.7	15.6 +- 1.4
3	122 8.4	16.7 +- 0.5; 2.5	14.1 +- 0.5; 3.5	14.3 +- 1.7
4	76 11.0	17.0 +- 0.5; 2.5	14.3 +- 0.5; 3.5	14.9 +- 1.1
5	91 6.8	17.7 +- 0.5; 2.7	15.0 +- 0.5; 3.6	15.4 +- 1.7
6	112 4.3	16.7 +- 0.5; 2.5	14.1 +- 0.5; 3.5	15.0 +- 1.3
7	138 4.3	16.8 +- 0.5; 2.5	14.2 +- 0.5; 3.5	15.0 +- 1.4
8	152 3.6	16.7 +- 0.5; 2.5	14.0 +- 0.5; 3.5	14.9 +- 1.5
9	183 3.9	17.4 +- 0.5; 2.6	14.7 +- 0.5; 3.6	15.3 +- 1.2
10	205 4.5	16.4 +- 0.5; 2.5	13.8 +- 0.5; 3.5	14.2 +- 1.5
11	220 4.4	17.6 +- 0.5; 2.6	14.9 +- 0.5; 3.6	15.3 +- 1.3
12	230 6.1	17.5 +- 0.5; 2.6	14.8 +- 0.5; 3.6	15.4 +- 1.3
13	245 1.8	17.4 +- 0.5; 2.6	14.7 +- 0.5; 3.6	15.1 +- 1.3
14	223 1.8	16.9 +- 0.5; 2.5	14.2 +- 0.5; 3.5	14.6 +- 1.4
15	204 2.0	Missing Dosimeter	No Net Data	14.6 +- 1.6
16	181 1.8	17.3 +- 0.5; 2.6	14.6 +- 0.5; 3.5	14.8 +- 1.3
17	157 1.9	15.6 +- 0.5; 2.3	13.1 +- 0.5; 3.4	14.9 +- 1.3
18	137 1.6	16.9 +- 0.5; 2.5	14.3 +- 0.5; 3.5	14.6 +- 1.3
19	115 1.2	17.2 +- 0.5; 2.6	14.5 +- 0.5; 3.5	14.7 +- 1.6
20	92 1.1	17.5 +- 0.5; 2.6	14.7 +- 0.5; 3.6	15.4 +- 1.5
21	229 20.0	16.9 +- 0.5; 2.5	14.2 +- 0.5; 3.5	14.7 +- 1.4
22	229 20.0	16.9 +- 0.5; 2.5	14.2 +- 0.5; 3.5	14.4 +- 1.3
23	229 20.0	17.6 +- 0.5; 2.6	14.9 +- 0.5; 3.6	14.6 +- 1.2
24	196 8.0	Damaged Dosimeter	No Net Data	14.3 +- 1.7
25	168 7.2	17.4 +- 0.5; 2.6	14.7 +- 0.5; 3.5	14.2 +- 1.3
26	152 0.6	17.3 +- 0.5; 2.6	14.6 +- 0.5; 3.5	16.0 +- 1.3

Transit Dose = 0.9 +- 0.3; 3.0

FITZ/NMP

For the period 940317-940720

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	No Data +- No Data	0
11.26 - 33.75 NNE	No Data +- No Data	0
33.76 - 56.25 NE	No Data +- No Data	0
56.26 - 78.75 ENE	14.3 +- 0.0	1
78.76 - 101.25 E	14.9 +- 0.2	2
101.26 - 123.75 ESE	14.2 +- 0.3	3
123.76 - 146.25 SE	14.2 +- 0.1	2
146.26 - 168.75 SSE	14.1 +- 0.7	4
168.76 - 191.25 S	15.1 +- 0.8	3
191.26 - 213.75 SSW	13.8 +- 0.0	1
213.76 - 236.25 SW	14.8 +- 0.5	4
236.26 - 258.75 WSW	14.7 +- 0.0	1
258.76 - 281.25 W	No Data +- No Data	0
281.26 - 303.75 WNW	No Data +- No Data	0
303.76 - 326.25 NW	No Data +- No Data	0
326.26 - 348.75 NNW	No Data +- No Data	0

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	14.3 +- 0.5	8
2 - 5	14.3 +- 0.4	6
> 5	14.9 +- 0.7	7
Upwind Control	14.4 +- 0.4	3

NRC TLD DOSES FOR FITZPATRICK & NINE MILE PT AREA

Miles

Legend

Water

Highways

Railroads

Roads

Plant..site

FORT CALHOUN

TLD Direct Radiation Environmental Monitoring

For the period 940315-940803 142 Days

Field Time: 98 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)	Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	358 2.0	Missing Dosimeter	No Net Data	19.0 +- 2.7
2	351 4.6	28.6 +- 0.9; 4.3	19.9 +- 0.9; 5.1	19.7 +- 2.8
3	30 2.5	29.6 +- 0.9; 4.4	20.8 +- 0.9; 5.2	19.4 +- 2.7
4	27 4.6	27.2 +- 0.8; 4.1	18.6 +- 0.9; 4.9	20.0 +- 1.8
5	53 1.9	28.3 +- 0.8; 4.2	19.6 +- 0.9; 5.0	19.1 +- 2.6
6	37 3.9	29.5 +- 0.9; 4.4	20.7 +- 0.9; 5.1	20.0 +- 2.5
7	76 2.3	29.9 +- 0.9; 4.5	21.1 +- 0.9; 5.2	20.4 +- 2.7
8	59 5.2	29.1 +- 0.9; 4.4	20.3 +- 0.9; 5.1	19.4 +- 2.8
9	100 2.3	26.7 +- 0.8; 4.0	18.1 +- 0.8; 4.8	17.8 +- 2.7
10	88 5.6	Missing Dosimeter	No Net Data	20.2 +- 2.8
11	122 2.3	29.5 +- 0.9; 4.4	20.7 +- 0.9; 5.1	19.8 +- 2.1
12	105 5.7	28.4 +- 0.9; 4.3	19.7 +- 0.9; 5.0	19.2 +- 2.5
13	145 1.9	30.0 +- 0.9; 4.5	21.2 +- 0.9; 5.2	20.2 +- 2.2
14	128 5.5	28.6 +- 0.9; 4.3	19.9 +- 0.9; 5.0	20.0 +- 2.9
15	157 1.9	29.2 +- 0.9; 4.4	20.4 +- 0.9; 5.1	21.0 +- 2.5
16	150 4.9	28.2 +- 0.8; 4.2	19.5 +- 0.9; 5.0	20.3 +- 2.6
17	173 0.5	30.1 +- 0.9; 4.5	21.2 +- 0.9; 5.2	19.9 +- 2.9
18	173 5.3	28.3 +- 0.8; 4.2	19.6 +- 0.9; 5.0	21.1 +- 2.5
19	212 2.5	31.0 +- 0.9; 4.6	22.1 +- 0.9; 5.3	22.6 +- 2.6
20	204 5.3	29.7 +- 0.9; 4.5	20.9 +- 0.9; 5.2	21.3 +- 2.5
21	233 2.0	29.7 +- 0.9; 4.5	20.9 +- 0.9; 5.2	21.5 +- 2.7
22	224 4.6	30.4 +- 0.9; 4.6	21.5 +- 0.9; 5.2	21.7 +- 2.7
23	239 0.6	30.2 +- 0.9; 4.5	21.3 +- 0.9; 5.2	20.1 +- 2.6
24	243 6.9	27.1 +- 0.8; 4.1	18.5 +- 0.9; 4.9	18.5 +- 2.5
25	269 3.3	30.6 +- 0.9; 4.6	21.8 +- 0.9; 5.3	21.9 +- 3.0
26	262 5.9	32.7 +- 1.0; 4.9	23.7 +- 1.0; 5.5	22.2 +- 2.6
27	350 3.0	27.1 +- 0.8; 4.1	18.5 +- 0.9; 4.9	19.2 +- 4.0
28	292 5.0	29.9 +- 0.9; 4.5	21.1 +- 0.9; 5.2	20.4 +- 2.4
29	311 2.4	30.5 +- 0.9; 4.6	21.7 +- 0.9; 5.3	20.5 +- 2.6
30	310 5.5	30.4 +- 0.9; 4.6	21.5 +- 0.9; 5.2	21.1 +- 2.4
31	340 2.3	27.0 +- 0.8; 4.0	18.4 +- 0.9; 4.9	19.5 +- 2.8
32	338 5.3	29.5 +- 0.9; 4.4	20.7 +- 0.9; 5.1	20.2 +- 2.6
33	182 0.5	30.7 +- 0.9; 4.6	21.8 +- 0.9; 5.3	20.2 +- 2.5
35	127 2.2	26.6 +- 0.8; 4.0	18.1 +- 0.8; 4.8	18.8 +- 2.0
39	150 5.0	28.2 +- 0.8; 4.2	19.5 +- 0.9; 5.0	18.5 +- 1.9
40	73 9.5	29.6 +- 0.9; 4.4	20.8 +- 0.9; 5.2	20.4 +- 2.8
43	29 8.0	29.1 +- 0.9; 4.4	20.3 +- 0.9; 5.1	19.0 +- 2.9
44	65 3.5	Missing Dosimeter	No Net Data	18.0 +- 2.6
45	182 4.2	29.6 +- 0.9; 4.4	20.8 +- 0.9; 5.2	20.6 +- 2.4
47	298 4.5	28.1 +- 0.8; 4.2	19.4 +- 0.9; 5.0	19.9 +- 2.8
48	13 14.0	29.1 +- 0.9; 4.4	20.3 +- 0.9; 5.1	19.6 +- 1.8
49	207 18.0	30.6 +- 0.9; 4.6	21.7 +- 0.9; 5.3	21.0 +- 3.0

Transit Dose = 6.9 +- 0.5; 3.4

FORT CALHOUN

For the period 940315-940803

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	19.2 +- 1.0	2
11.26 - 33.75 NNE	19.9 +- 1.1	3
33.76 - 56.25 NE	20.1 +- 0.8	2
56.26 - 78.75 ENE	20.8 +- 0.4	3
78.76 - 101.25 E	18.1 +- 0.0	1
101.26 - 123.75 ESE	20.2 +- 0.7	2
123.76 - 146.25 SE	19.7 +- 1.5	3
146.26 - 168.75 SSE	19.8 +- 0.5	3
168.76 - 191.25 S	20.8 +- 0.9	4
191.26 - 213.75 SSW	21.5 +- 0.9	2
213.76 - 236.25 SW	21.2 +- 0.4	2
236.26 - 258.75 WSW	19.9 +- 2.0	2
258.76 - 281.25 W	22.7 +- 1.4	2
281.26 - 303.75 WNW	20.3 +- 1.1	2
303.76 - 326.25 NW	21.6 +- 0.1	2
326.26 - 348.75 NNW	19.5 +- 1.6	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	20.9 +- 0.7	7
2 - 5	20.1 +- 1.3	19
> 5	20.5 +- 1.3	11
Upwind Control	21.0 +- 1.0	2

NRC TLD DOSES FOR FORT CALHOUN AREA

Miles

Legend

Water

Highways

Railroads

Roads

Plant..site

FORT ST. VRAIN

TLD Direct Radiation Environmental Monitoring

For the period 940315-940803 142 Days

Field Time: 91 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)	Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	8 0.8	41.8 +- 1.3; 6.3	30.2 +- 1.4; 7.2	30.0 +- 3.1
2	2 3.3	39.9 +- 1.2; 6.0	28.3 +- 1.3; 7.0	29.4 +- 3.2
3	29 2.6	39.6 +- 1.2; 5.9	28.1 +- 1.3; 6.9	29.8 +- 3.3
4	17 5.4	39.6 +- 1.2; 5.9	28.1 +- 1.3; 6.9	30.1 +- 3.4
5	54 2.1	39.6 +- 1.2; 5.9	28.0 +- 1.3; 6.9	28.8 +- 3.5
6	48 4.8	40.7 +- 1.2; 6.1	29.1 +- 1.3; 7.1	30.8 +- 3.0
7	76 2.6	42.9 +- 1.3; 6.4	31.3 +- 1.4; 7.3	42.9 +- 70.2
8	58 4.2	40.2 +- 1.2; 6.0	28.6 +- 1.3; 7.0	30.4 +- 3.0
9	100 1.5	41.7 +- 1.3; 6.3	30.1 +- 1.4; 7.2	30.7 +- 3.2
10	87 4.5	39.4 +- 1.2; 5.9	27.9 +- 1.3; 6.9	29.3 +- 3.0
11	118 1.6	43.4 +- 1.3; 6.5	31.7 +- 1.4; 7.4	33.0 +- 3.4
12	104 3.0	41.2 +- 1.2; 6.2	29.6 +- 1.3; 7.1	32.4 +- 3.1
13	143 1.6	41.7 +- 1.3; 6.3	30.1 +- 1.4; 7.2	30.9 +- 3.2
14	128 4.5	39.8 +- 1.2; 6.0	28.3 +- 1.3; 7.0	30.7 +- 2.9
15	168 2.3	38.2 +- 1.1; 5.7	26.7 +- 1.3; 6.8	28.5 +- 2.9
16	148 4.6	39.1 +- 1.2; 5.9	27.6 +- 1.3; 6.9	28.6 +- 3.0
17	182 0.8	40.9 +- 1.2; 6.1	29.3 +- 1.3; 7.1	30.3 +- 3.0
18	175 4.8	40.0 +- 1.2; 6.0	28.4 +- 1.3; 7.0	30.8 +- 3.3
19	210 0.9	42.5 +- 1.3; 6.4	30.9 +- 1.4; 7.3	31.0 +- 2.9
20	200 2.9	39.9 +- 1.2; 6.0	28.4 +- 1.3; 7.0	30.7 +- 3.5
21	234 1.3	41.0 +- 1.2; 6.1	29.4 +- 1.3; 7.1	31.5 +- 3.0
22	216 3.3	39.2 +- 1.2; 5.9	27.6 +- 1.3; 6.9	28.8 +- 3.1
23	254 2.5	39.6 +- 1.2; 5.9	28.0 +- 1.3; 6.9	29.2 +- 3.1
24	244 3.8	39.0 +- 1.2; 5.9	27.4 +- 1.3; 6.9	29.4 +- 3.0
25	278 1.5	38.8 +- 1.2; 5.8	27.2 +- 1.3; 6.8	28.5 +- 2.8
26	263 5.4	40.8 +- 1.2; 6.1	29.2 +- 1.3; 7.1	29.7 +- 3.4
27	297 1.7	38.7 +- 1.2; 5.8	27.1 +- 1.3; 6.8	28.3 +- 3.0
28	284 5.6	39.9 +- 1.2; 6.0	28.3 +- 1.3; 7.0	29.3 +- 2.8
29	317 0.9	38.7 +- 1.2; 5.8	27.1 +- 1.3; 6.8	28.7 +- 3.1
30	305 4.2	35.3 +- 1.1; 5.3	23.8 +- 1.2; 6.4	27.1 +- 2.8
31	338 1.4	38.9 +- 1.2; 5.8	27.3 +- 1.3; 6.8	28.8 +- 3.1
32	330 5.0	36.8 +- 1.1; 5.5	25.3 +- 1.2; 6.6	26.3 +- 3.1
33	267 6.5	37.0 +- 1.1; 5.6	25.5 +- 1.2; 6.6	29.3 +- 3.5
34	130 3.7	38.8 +- 1.2; 5.8	27.2 +- 1.3; 6.8	29.0 +- 3.2
35	270 0.1	38.5 +- 1.2; 5.8	26.9 +- 1.3; 6.8	28.6 +- 3.3
38	345 6.7	41.5 +- 1.2; 6.2	29.9 +- 1.4; 7.2	30.5 +- 3.2
39	10 6.0	37.4 +- 1.1; 5.6	25.8 +- 1.2; 6.6	28.8 +- 3.4
40	63 6.0	38.2 +- 1.1; 5.7	26.6 +- 1.3; 6.7	28.7 +- 3.4
41	165 12.0	41.3 +- 1.2; 6.2	29.7 +- 1.3; 7.1	31.9 +- 2.8
42	248 13.0	42.0 +- 1.3; 6.3	30.4 +- 1.4; 7.2	33.5 +- 3.6
45	198 11.0	41.3 +- 1.2; 6.2	29.7 +- 1.3; 7.1	30.2 +- 3.0
46	39 16.0	37.8 +- 1.1; 5.7	26.2 +- 1.3; 6.7	27.9 +- 3.2
47	357 17.0	Missing Dosimeter	No Net Data	26.9 +- 3.2
48	171 18.0	41.8 +- 1.3; 6.3	30.2 +- 1.4; 7.2	30.5 +- 3.0
49	360 0.5	41.4 +- 1.2; 6.2	29.8 +- 1.3; 7.2	32.1 +- 3.1

Transit Dose = 11.3 +- 0.6; 3.7

FORT ST. VRAIN
For the period 940315-940803

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	28.1 +- 2.2	3
11.26 - 33.75 NNE	28.1 +- 0.0	2
33.76 - 56.25 NE	27.8 +- 1.4	3
56.26 - 78.75 ENE	28.8 +- 2.3	3
78.76 - 101.25 E	29.0 +- 1.6	2
101.26 - 123.75 ESE	30.7 +- 1.5	2
123.76 - 146.25 SE	28.5 +- 1.4	3
146.26 - 168.75 SSE	28.0 +- 1.5	3
168.76 - 191.25 S	28.9 +- 0.6	2
191.26 - 213.75 SSW	29.6 +- 1.3	3
213.76 - 236.25 SW	28.5 +- 1.3	2
236.26 - 258.75 WSW	28.6 +- 1.6	3
258.76 - 281.25 W	27.2 +- 1.5	4
281.26 - 303.75 WNW	27.7 +- 0.8	2
303.76 - 326.25 NW	25.5 +- 2.4	2
326.26 - 348.75 NNW	27.5 +- 2.3	3

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	28.9 +- 1.7	12
2 - 5	27.9 +- 1.5	19
> 5	28.1 +- 1.8	11
Upwind Control	30.0 +- 0.3	2

NRC TLD DOSES FOR FORT ST. VRAIN AREA

Miles

Legend

Water

--- Railroads

Plant..site

— Highways

--- Roads

TLD..data

GINNA

TLD Direct Radiation Environmental Monitoring

For the period 940317-940720 126 Days

Field Time: 100 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)	Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	95 1.7	16.9 +- 0.5; 2.5	13.8 +- 0.5; 3.6	14.9 +- 1.3
2	108 1.1	17.1 +- 0.5; 2.6	14.0 +- 0.5; 3.6	14.6 +- 1.6
3	142 1.7	17.7 +- 0.5; 2.7	14.5 +- 0.5; 3.6	14.6 +- 1.7
4	154 1.5	16.0 +- 0.5; 2.4	13.0 +- 0.5; 3.5	15.3 +- 1.9
5	174 1.4	17.1 +- 0.5; 2.6	14.0 +- 0.5; 3.6	15.4 +- 1.8
6	212 1.6	16.5 +- 0.5; 2.5	13.4 +- 0.5; 3.5	14.3 +- 1.8
7	244 0.9	16.2 +- 0.5; 2.4	13.1 +- 0.5; 3.5	14.2 +- 1.7
8	230 0.6	17.7 +- 0.5; 2.7	14.5 +- 0.5; 3.6	15.1 +- 2.1
10	266 1.5	17.5 +- 0.5; 2.6	14.3 +- 0.5; 3.6	14.6 +- 1.8
11	264 4.6	18.7 +- 0.6; 2.8	15.4 +- 0.6; 3.7	16.0 +- 1.2
12	245 3.8	16.1 +- 0.5; 2.4	13.1 +- 0.5; 3.5	14.6 +- 1.8
13	235 4.2	15.2 +- 0.5; 2.3	12.3 +- 0.5; 3.4	14.0 +- 1.5
14	200 3.8	14.5 +- 0.4; 2.2	11.6 +- 0.5; 3.4	13.8 +- 1.9
15	178 3.4	18.6 +- 0.6; 2.8	15.3 +- 0.6; 3.7	14.9 +- 1.4
16	160 3.7	16.0 +- 0.5; 2.4	13.0 +- 0.5; 3.5	13.8 +- 1.9
17	134 3.8	14.3 +- 0.4; 2.1	11.4 +- 0.5; 3.3	13.9 +- 1.7
18	115 4.3	16.0 +- 0.5; 2.4	13.0 +- 0.5; 3.5	14.7 +- 1.7
19	88 4.0	14.0 +- 0.4; 2.1	11.2 +- 0.5; 3.3	14.0 +- 1.8
20	90 6.2	17.1 +- 0.5; 2.6	13.9 +- 0.5; 3.6	13.4 +- 1.5
21	123 7.6	14.7 +- 0.4; 2.2	11.8 +- 0.5; 3.4	13.4 +- 1.8
22	151 11.0	16.4 +- 0.5; 2.5	13.3 +- 0.5; 3.5	13.8 +- 1.6
23	105 12.0	14.8 +- 0.4; 2.2	11.9 +- 0.5; 3.4	14.6 +- 2.1
24	212 14.0	22.6 +- 0.7; 3.4	18.9 +- 0.7; 4.1	18.2 +- 1.3
25	223 13.0	16.2 +- 0.5; 2.4	13.1 +- 0.5; 3.5	14.1 +- 2.0
26	242 16.0	18.0 +- 0.5; 2.7	14.8 +- 0.6; 3.7	15.9 +- 1.4
27	254 14.0	18.9 +- 0.6; 2.8	15.5 +- 0.6; 3.7	15.8 +- 1.8
28	234 6.9	16.9 +- 0.5; 2.5	13.8 +- 0.5; 3.6	14.3 +- 1.5
29	185 0.3	18.0 +- 0.5; 2.7	14.8 +- 0.6; 3.7	15.7 +- 1.3
30	264 15.0	15.5 +- 0.5; 2.3	12.5 +- 0.5; 3.4	13.8 +- 1.8

Transit Dose = 1.6 +- 0.3; 3.0

GINNA

For the period 940317-940720

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	No Data +- No Data	0
11.26 - 33.75 NNE	No Data +- No Data	0
33.76 - 56.25 NE	No Data +- No Data	0
56.26 - 78.75 ENE	No Data +- No Data	0
78.76 - 101.25 E	13.0 +- 1.5	3
101.26 - 123.75 ESE	12.7 +- 1.0	4
123.76 - 146.25 SE	12.9 +- 2.2	2
146.26 - 168.75 SSE	13.1 +- 0.2	3
168.76 - 191.25 S	14.7 +- 0.7	3
191.26 - 213.75 SSW	14.6 +- 3.8	3
213.76 - 236.25 SW	13.4 +- 0.9	4
236.26 - 258.75 WSW	13.1 +- 0.0	2
258.76 - 281.25 W	14.8 +- 0.7	2
281.26 - 303.75 WNW	No Data +- No Data	0
303.76 - 326.25 NW	No Data +- No Data	0
326.26 - 348.75 NNW	No Data +- No Data	0

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	13.9 +- 0.6	10
2 - 5	12.9 +- 1.6	9
> 5	13.8 +- 2.4	7
Upwind Control	14.3 +- 1.6	3

NRC TLD DOSES FOR GINNA AREA

Miles

Legend

Water

Highways

Railroads

Roads

Plant site

GRAND GULF

TLD Direct Radiation Environmental Monitoring

For the period 940316-940719 126 Days

Field Time: 91 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)	Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	337 2.0	16.3 +- 0.5; 2.4	13.2 +- 0.6; 3.7	16.6 +- 2.1
2	351 1.6	17.4 +- 0.5; 2.6	14.4 +- 0.6; 3.8	14.9 +- 1.6
3	20 1.5	18.9 +- 0.6; 2.8	15.8 +- 0.6; 4.0	17.4 +- 1.8
4	51 2.3	18.8 +- 0.6; 2.8	15.7 +- 0.6; 4.0	16.5 +- 1.8
5	68 2.7	Missing Dosimeter	No Net Data	17.6 +- 1.8
6	47 4.1	17.4 +- 0.5; 2.6	14.4 +- 0.6; 3.8	15.7 +- 1.7
7	68 4.9	20.0 +- 0.6; 3.0	16.9 +- 0.7; 4.1	18.9 +- 1.6
8	91 3.2	20.9 +- 0.6; 3.1	17.8 +- 0.7; 4.2	18.8 +- 1.6
9	81 1.0	19.5 +- 0.6; 2.9	16.5 +- 0.7; 4.1	17.2 +- 1.8
10	109 0.6	20.6 +- 0.6; 3.1	17.6 +- 0.7; 4.2	18.8 +- 1.6
11	139 0.8	21.9 +- 0.7; 3.3	18.8 +- 0.7; 4.3	18.7 +- 1.7
12	185 1.6	21.0 +- 0.6; 3.2	18.0 +- 0.7; 4.2	17.7 +- 1.6
13	207 1.9	21.6 +- 0.6; 3.2	18.5 +- 0.7; 4.3	18.7 +- 1.7
14	247 1.5	Missing Dosimeter	No Net Data	18.6 +- 5.7
15	130 4.2	20.0 +- 0.6; 3.0	17.0 +- 0.7; 4.1	18.2 +- 1.6
16	122 4.8	20.8 +- 0.6; 3.1	17.7 +- 0.7; 4.2	18.2 +- 1.5
17	135 5.3	19.0 +- 0.6; 2.8	15.9 +- 0.6; 4.0	16.9 +- 1.5
18	147 4.3	17.6 +- 0.5; 2.6	14.5 +- 0.6; 3.9	15.2 +- 1.4
19	224 6.8	19.2 +- 0.6; 2.9	16.1 +- 0.6; 4.0	18.5 +- 1.4
20	172 3.6	18.1 +- 0.5; 2.7	15.1 +- 0.6; 3.9	16.4 +- 1.5
21	291 12.0	18.7 +- 0.6; 2.8	15.7 +- 0.6; 4.0	16.7 +- 1.5
22	332 8.0	20.2 +- 0.6; 3.0	17.1 +- 0.7; 4.1	19.2 +- 1.8
23	310 7.9	Missing Dosimeter	No Net Data	15.8 +- 2.6
24	281 7.0	18.2 +- 0.5; 2.7	15.2 +- 0.6; 3.9	16.3 +- 1.6
25	291 4.8	20.0 +- 0.6; 3.0	16.9 +- 0.7; 4.1	17.9 +- 1.7
26	248 9.5	18.2 +- 0.5; 2.7	15.2 +- 0.6; 3.9	16.6 +- 1.6
27	239 13.0	17.3 +- 0.5; 2.6	14.2 +- 0.6; 3.8	15.9 +- 1.6
29	90 0.9	19.4 +- 0.6; 2.9	16.4 +- 0.7; 4.0	17.5 +- 1.5
30	67 51.0	15.3 +- 0.5; 2.3	12.3 +- 0.5; 3.6	14.0 +- 1.5
31	67 51.0	17.0 +- 0.5; 2.5	13.9 +- 0.6; 3.8	14.2 +- 2.0
32	67 51.0	15.0 +- 0.4; 2.2	11.9 +- 0.5; 3.6	13.9 +- 1.6
33	206 4.8	19.7 +- 0.6; 3.0	16.7 +- 0.7; 4.1	18.2 +- 1.8

Transit Dose = 2.9 +- 0.3; 2.9

GRAND GULF
For the period 940316-940719

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	14.4 +- 0.0	1
11.26 - 33.75 NNE	15.8 +- 0.0	1
33.76 - 56.25 NE	15.1 +- 1.0	2
56.26 - 78.75 ENE	16.9 +- 0.0	1
78.76 - 101.25 E	16.9 +- 0.8	3
101.26 - 123.75 ESE	17.6 +- 0.1	2
123.76 - 146.25 SE	17.2 +- 1.5	3
146.26 - 168.75 SSE	14.5 +- 0.0	1
168.76 - 191.25 S	16.5 +- 2.0	2
191.26 - 213.75 SSW	17.6 +- 1.3	2
213.76 - 236.25 SW	16.1 +- 0.0	1
236.26 - 258.75 WSW	14.7 +- 0.7	2
258.76 - 281.25 W	15.2 +- 0.0	1
281.26 - 303.75 WNW	16.3 +- 0.9	2
303.76 - 326.25 NW	No Data +- No Data	0
326.26 - 348.75 NNW	15.2 +- 2.7	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	16.6 +- 1.9	9
2 - 5	16.3 +- 1.3	10
> 5	15.6 +- 0.9	7
Upwind Control	12.7 +- 1.1	3

NRC TLD DOSES FOR GRAND GULF AREA

Miles

Legend

Water

Highways

Railroads

Roads

Plant..site

HADDAM NECK

TLD Direct Radiation Environmental Monitoring

For the period 940317-940726 132 Days

Field Time: 85 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)		Gross Exposure (mR) +-Rdm; Tot.			Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.			Hist. Range Net Exp Rate +-1 Std Dev	
2	17	2.6	22.7	+-	0.7; 3.4	20.6	+-	0.8; 4.6	18.8	+- 1.9
3	45	1.9	22.8	+-	0.7; 3.4	20.7	+-	0.8; 4.6	18.4	+- 2.5
4	67	2.3	22.4	+-	0.7; 3.4	20.3	+-	0.8; 4.6	17.6	+- 1.7
5	93	1.6	19.4	+-	0.6; 2.9	17.1	+-	0.7; 4.2	16.1	+- 1.7
6	115	2.3	19.2	+-	0.6; 2.9	16.9	+-	0.7; 4.2	15.6	+- 1.8
7	143	1.9	21.7	+-	0.7; 3.3	19.6	+-	0.8; 4.5	17.6	+- 1.9
8	165	0.9	19.6	+-	0.6; 2.9	17.3	+-	0.7; 4.2	16.7	+- 1.4
9	174	1.3	21.7	+-	0.7; 3.3	19.6	+-	0.8; 4.5	18.2	+- 1.9
10	195	0.7	20.2	+-	0.6; 3.0	18.0	+-	0.7; 4.3	16.0	+- 1.7
12	241	0.8	21.0	+-	0.6; 3.2	18.9	+-	0.7; 4.4	17.1	+- 1.6
13	263	0.8	20.3	+-	0.6; 3.0	18.1	+-	0.7; 4.3	15.9	+- 1.7
14	290	1.9	21.3	+-	0.6; 3.2	19.1	+-	0.8; 4.4	17.6	+- 1.8
15	311	1.5	19.1	+-	0.6; 2.9	16.8	+-	0.7; 4.2	15.4	+- 1.6
16	341	1.3	19.1	+-	0.6; 2.9	16.9	+-	0.7; 4.2	16.6	+- 1.6
17	360	2.3	22.2	+-	0.7; 3.3	20.1	+-	0.8; 4.6	19.4	+- 1.9
18	222	2.5	19.2	+-	0.6; 2.9	16.9	+-	0.7; 4.2	16.0	+- 1.6
19	269	3.0	Missing Dosimeter			No Net Data			16.0	+- 1.8
20	66	3.2	20.0	+-	0.6; 3.0	17.8	+-	0.7; 4.3	16.4	+- 1.7
21	91	2.8	21.4	+-	0.6; 3.2	19.2	+-	0.8; 4.5	18.0	+- 1.9
22	112	3.2	20.7	+-	0.6; 3.1	18.5	+-	0.7; 4.4	16.8	+- 1.9
23	137	2.9	21.8	+-	0.7; 3.3	19.7	+-	0.8; 4.5	16.5	+- 2.0
24	155	7.1	18.9	+-	0.6; 2.8	16.6	+-	0.7; 4.2	15.7	+- 1.5
25	175	5.7	19.2	+-	0.6; 2.9	16.9	+-	0.7; 4.2	16.1	+- 1.7
26	196	2.5	19.0	+-	0.6; 2.8	16.7	+-	0.7; 4.2	15.3	+- 1.6
27	225	1.1	20.1	+-	0.6; 3.0	17.9	+-	0.7; 4.3	17.3	+- 2.0
28	250	3.5	19.3	+-	0.6; 2.9	17.0	+-	0.7; 4.2	17.0	+- 2.6
29	340	20.0	21.7	+-	0.7; 3.3	19.6	+-	0.8; 4.5	20.5	+- 4.0
30	286	3.2	19.5	+-	0.6; 2.9	17.2	+-	0.7; 4.2	16.0	+- 1.7
31	322	2.7	20.0	+-	0.6; 3.0	17.8	+-	0.7; 4.3	17.2	+- 1.7
32	327	2.9	22.3	+-	0.7; 3.3	20.2	+-	0.8; 4.6	19.0	+- 1.7
33	359	6.4	19.4	+-	0.6; 2.9	17.1	+-	0.7; 4.2	15.9	+- 1.5
35	54	10.0	21.1	+-	0.6; 3.2	19.0	+-	0.7; 4.4	16.7	+- 1.7
36	72	8.8	22.9	+-	0.7; 3.4	20.8	+-	0.8; 4.6	18.9	+- 1.7
37	149	6.8	18.7	+-	0.6; 2.8	16.4	+-	0.7; 4.1	15.3	+- 1.6
38	158	5.9	17.9	+-	0.5; 2.7	15.5	+-	0.7; 4.1	15.0	+- 1.6
39	267	8.8	19.4	+-	0.6; 2.9	17.2	+-	0.7; 4.2	16.4	+- 1.8
40	303	9.1	21.1	+-	0.6; 3.2	19.0	+-	0.7; 4.4	18.0	+- 1.4
41	313	9.6	19.5	+-	0.6; 2.9	17.2	+-	0.7; 4.2	16.3	+- 1.7
42	320	13.0	21.0	+-	0.6; 3.1	18.8	+-	0.7; 4.4	18.2	+- 1.8
43	324	18.0	19.5	+-	0.6; 2.9	17.2	+-	0.7; 4.2	15.9	+- 1.5
44	328	15.0	21.5	+-	0.6; 3.2	19.4	+-	0.8; 4.5	17.5	+- 1.9
45	343	18.0	21.4	+-	0.6; 3.2	19.3	+-	0.8; 4.5	18.4	+- 2.0
46	144	5.0	22.0	+-	0.7; 3.3	19.9	+-	0.8; 4.5	17.3	+- 2.1
49	340	20.0	21.9	+-	0.7; 3.3	19.8	+-	0.8; 4.5	17.9	+- 1.9

Transit Dose = 3.2 +- 0.3; 2.7

HADDAM NECK

For the period 940317-940726

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	18.6 +- 2.1	2
11.26 - 33.75 NNE	20.6 +- 0.0	1
33.76 - 56.25 NE	19.8 +- 1.2	2
56.26 - 78.75 ENE	19.6 +- 1.6	3
78.76 - 101.25 E	18.2 +- 1.5	2
101.26 - 123.75 ESE	17.7 +- 1.1	2
123.76 - 146.25 SE	19.7 +- 0.2	3
146.26 - 168.75 SSE	16.5 +- 0.7	4
168.76 - 191.25 S	18.3 +- 1.9	2
191.26 - 213.75 SSW	17.3 +- 0.9	2
213.76 - 236.25 SW	17.4 +- 0.7	2
236.26 - 258.75 WSW	18.0 +- 1.3	2
258.76 - 281.25 W	17.6 +- 0.7	2
281.26 - 303.75 WNW	18.4 +- 1.1	3
303.76 - 326.25 NW	17.6 +- 0.8	5
326.26 - 348.75 NNW	19.1 +- 1.3	5

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	18.3 +- 1.2	12
2 - 5	18.6 +- 1.5	15
> 5	18.0 +- 1.5	15
Upwind Control	19.8 +- 0.0	1

NRC TLD DOSES FOR HADDAM NECK AREA

Miles

Legend

Water

--- Railroads

Plant..site

— Highways

--- Roads

HARRIS

TLD Direct Radiation Environmental Monitoring
 For the period 940316-940721 128 Days
 Field Time: 92 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)		Gross Exposure (mR) +-Rdm; Tot.		Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.		Hist. Range Net Exp Rate +-1 Std Dev	
1	36	2.6	20.4	+- 0.6; 3.1	16.9	+- 0.7; 4.1	17.0	+- 2.3
2	25	3.2	16.5	+- 0.5; 2.5	13.1	+- 0.6; 3.7	14.8	+- 3.6
3	5	2.5	18.9	+- 0.6; 2.8	15.5	+- 0.6; 4.0	17.1	+- 1.9
4	27	1.5	17.4	+- 0.5; 2.6	14.0	+- 0.6; 3.8	17.8	+- 2.5
5	36	0.9	15.5	+- 0.5; 2.3	12.2	+- 0.6; 3.7	14.6	+- 1.9
6	68	0.8	15.0	+- 0.5; 2.3	11.7	+- 0.5; 3.6	12.8	+- 3.4
7	98	0.7	17.2	+- 0.5; 2.6	13.9	+- 0.6; 3.8	15.7	+- 1.8
8	232	0.7	15.7	+- 0.5; 2.4	12.3	+- 0.6; 3.7	14.0	+- 3.4
9	190	0.8	15.1	+- 0.5; 2.3	11.7	+- 0.5; 3.6	12.5	+- 3.5
10	158	0.7	15.3	+- 0.5; 2.3	12.0	+- 0.5; 3.6	13.8	+- 3.7
11	42	4.7	21.3	+- 0.6; 3.2	17.9	+- 0.7; 4.2	19.7	+- 2.5
12	40	8.6	18.7	+- 0.6; 2.8	15.3	+- 0.6; 4.0	16.4	+- 3.4
13	298	13.0	14.9	+- 0.4; 2.2	11.5	+- 0.5; 3.6	13.5	+- 3.6
14	298	12.0	15.3	+- 0.5; 2.3	11.9	+- 0.5; 3.6	14.2	+- 3.7
15	298	11.0	15.1	+- 0.5; 2.3	11.8	+- 0.5; 3.6	12.8	+- 3.7
16	332	4.8	17.9	+- 0.5; 2.7	14.5	+- 0.6; 3.9	14.3	+- 3.8
17	291	4.5	15.1	+- 0.5; 2.3	11.7	+- 0.5; 3.6	12.9	+- 3.3
18	270	5.1	14.0	+- 0.4; 2.1	10.7	+- 0.5; 3.5	14.2	+- 3.4
19	240	5.1	18.1	+- 0.5; 2.7	14.7	+- 0.6; 3.9	16.7	+- 3.7
20	227	4.8	15.5	+- 0.5; 2.3	12.1	+- 0.6; 3.6	12.5	+- 3.5
21	208	4.8	14.7	+- 0.4; 2.2	11.4	+- 0.5; 3.6	12.3	+- 3.6
22	190	4.6	16.3	+- 0.5; 2.4	12.9	+- 0.6; 3.7	14.2	+- 3.3
23	151	4.8	16.5	+- 0.5; 2.5	13.1	+- 0.6; 3.7	13.8	+- 3.8
24	132	4.7	14.9	+- 0.4; 2.2	11.5	+- 0.5; 3.6	13.6	+- 3.8
25	112	5.0	18.1	+- 0.5; 2.7	14.7	+- 0.6; 3.9	15.7	+- 3.6
26	92	4.6	14.5	+- 0.4; 2.2	11.2	+- 0.5; 3.6	12.8	+- 2.7
27	115	2.8	16.3	+- 0.5; 2.4	12.9	+- 0.6; 3.7	14.4	+- 2.4
28	135	2.3	13.0	+- 0.4; 1.9	9.7	+- 0.5; 3.4	11.5	+- 3.6
29	164	2.2	15.0	+- 0.4; 2.2	11.7	+- 0.5; 3.6	14.8	+- 3.8
30	49	2.2	15.3	+- 0.5; 2.3	12.0	+- 0.5; 3.6	14.1	+- 3.3
31	276	1.8	14.6	+- 0.4; 2.2	11.3	+- 0.5; 3.6	13.8	+- 3.6
32	292	1.7	19.1	+- 0.6; 2.9	15.6	+- 0.6; 4.0	17.6	+- 2.1
33	314	1.4	17.3	+- 0.5; 2.6	13.9	+- 0.6; 3.8	16.1	+- 3.5
34	329	1.3	20.1	+- 0.6; 3.0	16.6	+- 0.7; 4.1	16.1	+- 3.6
35	350	4.5	17.7	+- 0.5; 2.6	14.3	+- 0.6; 3.9	16.4	+- 2.0
36	338	4.4	15.9	+- 0.5; 2.4	12.5	+- 0.6; 3.7	16.6	+- 4.1
37	16	4.9	15.7	+- 0.5; 2.4	12.4	+- 0.6; 3.7	16.0	+- 2.7
38	68	4.8	13.6	+- 0.4; 2.0	10.3	+- 0.5; 3.5	12.8	+- 2.0
39	80	6.9	17.0	+- 0.5; 2.6	13.7	+- 0.6; 3.8	15.0	+- 1.8
40	80	6.9	17.2	+- 0.5; 2.6	13.8	+- 0.6; 3.8	14.2	+- 2.3
41	118	9.7	20.6	+- 0.6; 3.1	17.1	+- 0.7; 4.2	18.9	+- 3.8
42	260	1.1	15.7	+- 0.5; 2.4	12.4	+- 0.6; 3.7	13.9	+- 3.6
43	333	1.7	17.7	+- 0.5; 2.7	14.3	+- 0.6; 3.9	15.8	+- 4.2
44	50	24.0	21.8	+- 0.7; 3.3	18.3	+- 0.7; 4.3	20.2	+- 3.9

Transit Dose = 3.1 +- 0.3; 2.9

HARRIS

For the period 940316-940721

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	14.9 +- 0.9	2
11.26 - 33.75 NNE	13.2 +- 0.8	3
33.76 - 56.25 NE	15.4 +- 2.8	6
56.26 - 78.75 ENE	11.0 +- 1.0	2
78.76 - 101.25 E	13.1 +- 1.3	4
101.26 - 123.75 ESE	14.9 +- 2.1	3
123.76 - 146.25 SE	10.6 +- 1.3	2
146.26 - 168.75 SSE	12.3 +- 0.8	3
168.76 - 191.25 S	12.3 +- 0.8	2
191.26 - 213.75 SSW	11.4 +- 0.0	1
213.76 - 236.25 SW	12.2 +- 0.2	2
236.26 - 258.75 WSW	14.7 +- 0.0	1
258.76 - 281.25 W	11.5 +- 0.8	3
281.26 - 303.75 WNW	13.7 +- 2.8	2
303.76 - 326.25 NW	13.9 +- 0.0	1
326.26 - 348.75 NNW	14.5 +- 1.7	4

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	13.2 +- 1.6	13
2 - 5	13.0 +- 2.1	21
> 5	14.8 +- 2.5	7
Upwind Control	11.7 +- 0.2	3

NRC TLD DOSES FOR HARRIS AREA

Miles

Legend

Water

Highways

Railroads

Roads

Plant..site

HATCH

TLD Direct Radiation Environmental Monitoring

For the period 940316-940720 127 Days

Field Time: 85 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)		Gross Exposure (mR) +-Rdm; Tot.			Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.			Hist. Range Net Exp Rate +-1 Std Dev	
1	342	23.0	18.3	+-	0.5; 2.7	15.2	+-	0.7; 4.1	16.3	+- 2.4
2	359	7.7	16.5	+-	0.5; 2.5	13.3	+-	0.6; 3.9	14.4	+- 2.4
3	354	4.5	16.6	+-	0.5; 2.5	13.4	+-	0.6; 4.0	14.3	+- 2.5
4	336	2.9	15.2	+-	0.5; 2.3	12.0	+-	0.6; 3.8	13.3	+- 2.3
5	309	4.6	15.4	+-	0.5; 2.3	12.2	+-	0.6; 3.8	13.7	+- 2.4
6	297	5.6	17.4	+-	0.5; 2.6	14.3	+-	0.7; 4.0	15.8	+- 2.6
7	24	2.8	16.1	+-	0.5; 2.4	12.9	+-	0.6; 3.9	14.1	+- 2.6
8	49	2.0	16.6	+-	0.5; 2.5	13.4	+-	0.6; 4.0	14.0	+- 2.4
9	49	10.0	15.7	+-	0.5; 2.3	12.4	+-	0.6; 3.9	13.8	+- 2.4
10	28	4.8	15.0	+-	0.4; 2.2	11.7	+-	0.6; 3.8	14.4	+- 2.4
11	67	5.0	17.0	+-	0.5; 2.6	13.9	+-	0.6; 4.0	14.4	+- 2.3
12	50	5.1	19.9	+-	0.6; 3.0	16.9	+-	0.7; 4.3	18.4	+- 2.8
13	353	2.0	15.2	+-	0.5; 2.3	11.9	+-	0.6; 3.8	12.7	+- 2.3
14	341	1.6	16.2	+-	0.5; 2.4	13.0	+-	0.6; 3.9	14.8	+- 2.6
15	147	10.0	14.3	+-	0.4; 2.1	11.0	+-	0.6; 3.7	13.1	+- 2.2
16	232	0.9	15.1	+-	0.5; 2.3	11.9	+-	0.6; 3.8	13.3	+- 2.2
17	205	1.6	15.2	+-	0.5; 2.3	11.9	+-	0.6; 3.8	14.4	+- 2.4
18	192	4.2	13.0	+-	0.4; 1.9	9.6	+-	0.5; 3.6	11.7	+- 2.1
19	184	4.2	13.9	+-	0.4; 2.1	10.6	+-	0.6; 3.7	11.5	+- 2.3
20	165	4.6	14.9	+-	0.4; 2.2	11.7	+-	0.6; 3.8	12.4	+- 2.4
21	135	4.4	15.0	+-	0.4; 2.2	11.7	+-	0.6; 3.8	13.0	+- 2.2
22	120	4.1	15.1	+-	0.5; 2.3	11.8	+-	0.6; 3.8	14.6	+- 2.6
23	107	3.7	14.1	+-	0.4; 2.1	10.8	+-	0.6; 3.7	13.6	+- 2.3
24	123	14.0	15.1	+-	0.5; 2.3	11.9	+-	0.6; 3.8	12.4	+- 2.3
25	114	12.0	15.6	+-	0.5; 2.3	12.3	+-	0.6; 3.8	13.6	+- 2.3
26	142	1.8	16.2	+-	0.5; 2.4	13.1	+-	0.6; 3.9	14.4	+- 2.5
27	157	2.2	15.7	+-	0.5; 2.3	12.5	+-	0.6; 3.9	13.5	+- 2.3
28	171	0.9	16.6	+-	0.5; 2.5	13.5	+-	0.6; 4.0	14.6	+- 2.2
29	253	1.0	14.7	+-	0.4; 2.2	11.5	+-	0.6; 3.8	13.8	+- 3.3
30	270	1.0	16.6	+-	0.5; 2.5	13.4	+-	0.6; 4.0	15.4	+- 3.0
31	292	1.1	14.7	+-	0.4; 2.2	11.4	+-	0.6; 3.8	13.9	+- 2.4
32	268	4.2	15.9	+-	0.5; 2.4	12.7	+-	0.6; 3.9	13.7	+- 2.2
33	248	4.3	14.1	+-	0.4; 2.1	10.8	+-	0.6; 3.7	12.3	+- 2.4
34	216	4.1	13.3	+-	0.4; 2.0	10.0	+-	0.5; 3.6	11.6	+- 2.4
35	234	12.0	17.5	+-	0.5; 2.6	14.4	+-	0.7; 4.1	13.8	+- 2.4
36	182	10.0	12.1	+-	0.4; 1.8	8.6	+-	0.5; 3.5	13.0	+- 2.9
37	177	10.0	14.1	+-	0.4; 2.1	10.7	+-	0.6; 3.7	12.6	+- 2.3
38	323	12.0	17.2	+-	0.5; 2.6	14.0	+-	0.6; 4.0	15.1	+- 2.4
39	321	13.0	16.2	+-	0.5; 2.4	13.0	+-	0.6; 3.9	15.4	+- 2.4
40	323	12.0	18.0	+-	0.5; 2.7	14.9	+-	0.7; 4.1	15.3	+- 2.4

Transit Dose = 3.9 +- 0.3; 2.8

HATCH

For the period 940316-940720

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	12.9 +- 0.8	3
11.26 - 33.75 NNE	12.3 +- 0.8	2
33.76 - 56.25 NE	14.3 +- 2.4	3
56.26 - 78.75 ENE	13.9 +- 0.0	1
78.76 - 101.25 E	No Data +- No Data	0
101.26 - 123.75 ESE	11.7 +- 0.6	4
123.76 - 146.25 SE	12.4 +- 1.0	2
146.26 - 168.75 SSE	11.7 +- 0.7	3
168.76 - 191.25 S	10.9 +- 2.0	4
191.26 - 213.75 SSW	10.8 +- 1.7	2
213.76 - 236.25 SW	12.1 +- 2.2	3
236.26 - 258.75 WSW	11.1 +- 0.5	2
258.76 - 281.25 W	13.1 +- 0.5	2
281.26 - 303.75 WNW	12.9 +- 2.0	2
303.76 - 326.25 NW	12.2 +- 0.0	1
326.26 - 348.75 NNW	13.4 +- 1.6	3

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	12.5 +- 0.8	10
2 - 5	11.8 +- 1.2	16
> 5	12.8 +- 2.3	11
Upwind Control	14.0 +- 0.9	3

NRC TLD DOSES FOR HATCH AREA

Miles

Legend

Water
Highways

Railroads
Roads

Plant..site

INDIAN POINT

TLD Direct Radiation Environmental Monitoring

For the period 940317-940719 125 Days

Field Time: 85 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)		Gross Exposure (mR) +-Rdm; Tot.		Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.		Hist. Range Net Exp Rate +-1 Std Dev	
1	52	1.4	14.6	+- 0.4; 2.2	12.6	+- 0.6; 3.7	12.8	+- 1.8
2	53	1.0	17.4	+- 0.5; 2.6	15.5	+- 0.6; 4.0	14.9	+- 2.2
3	61	1.5	18.0	+- 0.5; 2.7	16.2	+- 0.6; 4.0	14.9	+- 1.5
4	89	1.2	18.2	+- 0.5; 2.7	16.4	+- 0.7; 4.1	15.3	+- 1.6
5	107	0.9	17.9	+- 0.5; 2.7	16.1	+- 0.6; 4.0	15.6	+- 1.5
6	90	0.5	17.3	+- 0.5; 2.6	15.4	+- 0.6; 3.9	15.8	+- 1.6
7	133	0.8	16.3	+- 0.5; 2.4	14.4	+- 0.6; 3.8	15.0	+- 2.0
8	158	0.8	18.7	+- 0.6; 2.8	16.9	+- 0.7; 4.1	15.8	+- 1.4
9	188	1.2	18.1	+- 0.5; 2.7	16.3	+- 0.7; 4.0	16.7	+- 1.8
10	206	0.9	Missing Dosimeter		No Net Data		15.4	+- 1.8
11	170	1.1	16.9	+- 0.5; 2.5	15.1	+- 0.6; 3.9	13.5	+- 1.5
12	155	2.3	16.7	+- 0.5; 2.5	14.9	+- 0.6; 3.9	14.8	+- 1.9
13	136	3.2	18.6	+- 0.6; 2.8	16.9	+- 0.7; 4.1	14.8	+- 1.6
14	107	3.1	16.7	+- 0.5; 2.5	14.8	+- 0.6; 3.9	13.8	+- 1.7
15	94	3.8	17.0	+- 0.5; 2.5	15.1	+- 0.6; 3.9	14.7	+- 1.4
16	142	5.7	Missing Dosimeter		No Net Data		16.3	+- 1.6
18	147	9.1	18.7	+- 0.6; 2.8	16.9	+- 0.7; 4.1	16.1	+- 1.6
19	137	12.0	16.3	+- 0.5; 2.4	14.4	+- 0.6; 3.8	15.0	+- 2.4
20	129	12.0	17.2	+- 0.5; 2.6	15.4	+- 0.6; 3.9	15.0	+- 1.7
22	74	7.5	16.7	+- 0.5; 2.5	14.8	+- 0.6; 3.9	15.5	+- 1.7
23	5	100.0	19.7	+- 0.6; 3.0	18.0	+- 0.7; 4.2	16.7	+- 1.5
24	5	100.0	20.1	+- 0.6; 3.0	18.4	+- 0.7; 4.3	16.7	+- 1.7
25	65	4.1	Missing Dosimeter		No Net Data		14.8	+- 1.8
26	40	4.0	20.6	+- 0.6; 3.1	19.0	+- 0.7; 4.3	17.9	+- 1.5
27	25	5.3	18.7	+- 0.6; 2.8	17.0	+- 0.7; 4.1	16.2	+- 1.8
28	24	2.9	18.2	+- 0.5; 2.7	16.4	+- 0.7; 4.1	15.6	+- 1.6
29	22	2.1	16.8	+- 0.5; 2.5	15.0	+- 0.6; 3.9	15.5	+- 1.6
30	8	1.9	19.9	+- 0.6; 3.0	18.2	+- 0.7; 4.2	16.6	+- 1.9
31	356	5.0	17.5	+- 0.5; 2.6	15.7	+- 0.6; 4.0	15.8	+- 1.9
32	330	3.7	16.3	+- 0.5; 2.4	14.4	+- 0.6; 3.8	17.0	+- 1.9
33	338	4.7	19.8	+- 0.6; 3.0	18.1	+- 0.7; 4.2	17.4	+- 1.6
34	354	7.0	20.4	+- 0.6; 3.1	18.7	+- 0.7; 4.3	19.2	+- 3.1
35	297	4.4	18.2	+- 0.5; 2.7	16.4	+- 0.7; 4.0	16.5	+- 1.8
36	309	3.6	25.1	+- 0.8; 3.8	23.7	+- 0.9; 4.9	22.5	+- 6.7
37	350	1.1	18.4	+- 0.6; 2.8	16.6	+- 0.7; 4.1	16.8	+- 1.6
38	337	0.9	18.7	+- 0.6; 2.8	17.0	+- 0.7; 4.1	16.7	+- 1.7
39	315	1.0	16.1	+- 0.5; 2.4	14.2	+- 0.6; 3.8	15.3	+- 1.6
40	294	1.1	18.4	+- 0.6; 2.8	16.6	+- 0.7; 4.1	16.9	+- 2.0
41	274	1.1	19.1	+- 0.6; 2.9	17.4	+- 0.7; 4.2	18.5	+- 1.9
42	248	1.5	18.3	+- 0.6; 2.8	16.6	+- 0.7; 4.1	17.4	+- 2.0
44	5	100.0	19.3	+- 0.6; 2.9	17.6	+- 0.7; 4.2	16.6	+- 1.7
45	227	2.4	Missing Dosimeter		No Net Data		16.6	+- 2.3
46	209	3.2	15.7	+- 0.5; 2.4	13.8	+- 0.6; 3.8	15.1	+- 2.2
47	218	5.3	17.6	+- 0.5; 2.6	15.8	+- 0.6; 4.0	15.3	+- 1.7
48	201	4.6	17.9	+- 0.5; 2.7	16.1	+- 0.6; 4.0	16.1	+- 1.5
49	187	5.2	15.0	+- 0.5; 2.3	13.0	+- 0.6; 3.7	13.9	+- 1.7
50	171	7.1	17.6	+- 0.5; 2.6	15.8	+- 0.6; 4.0	14.4	+- 1.6

Transit Dose = 2.7 +- 0.3; 2.7

INDIAN POINT
For the period 940317-940719

TLJ Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	17.3 +- 1.4	4
11.26 - 33.75 NNE	16.1 +- 1.0	3
33.76 - 56.25 NE	15.7 +- 3.2	3
56.26 - 78.75 ENE	15.5 +- 0.9	2
78.76 - 101.25 E	15.7 +- 0.7	3
101.26 - 123.75 ESE	15.5 +- 1.0	2
123.76 - 146.25 SE	15.3 +- 1.2	4
146.26 - 168.75 SSE	16.2 +- 1.2	3
168.76 - 191.25 S	15.0 +- 1.4	4
191.26 - 213.75 SSW	14.9 +- 1.6	2
213.76 - 236.25 SW	15.8 +- 0.0	1
236.26 - 258.75 WSW	16.6 +- 0.0	1
258.76 - 281.25 W	17.4 +- 0.0	1
281.26 - 303.75 WNW	16.5 +- 0.2	2
303.76 - 326.25 NW	18.9 +- 6.7	2
326.26 - 348.75 NNW	16.5 +- 1.9	3

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	16.0 +- 1.3	17
2 - 5	16.4 +- 2.5	14
> 5	15.8 +- 1.7	9
Upwind Control	18.0 +- 0.4	3

NRC TLD DOSES FOR INDIAN POINT AREA

Miles

Legend

Water

Railroads

Plant..site

Highways

Roads

KEWAUNEE/PT. BEACH

TLD Direct Radiation Environmental Monitoring

For the period 940315-940721 129 Days

Field Time: 92 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)		Gross Exposure (mR) +-Rdm; Tot.		Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.		Hist. Range Net Exp Rate +-1 Std Dev	
1	189	8.1	18.0	+- 0.5; 2.7	12.6	+- 0.6; 4.0	12.5	+- 1.8
2	195	7.0	21.4	+- 0.6; 3.2	16.0	+- 0.7; 4.4	17.3	+- 2.1
3	163	4.9	18.4	+- 0.6; 2.8	13.0	+- 0.7; 4.1	13.1	+- 2.0
4	183	3.3	22.3	+- 0.7; 3.3	16.8	+- 0.8; 4.5	16.4	+- 2.2
5	210	3.2	16.6	+- 0.5; 2.5	11.2	+- 0.6; 3.9	12.3	+- 2.2
6	223	3.7	22.3	+- 0.7; 3.3	16.8	+- 0.8; 4.5	16.4	+- 2.3
7	242	5.7	19.3	+- 0.6; 2.9	13.8	+- 0.7; 4.1	13.9	+- 1.7
8	202	1.8	22.8	+- 0.7; 3.4	17.3	+- 0.8; 4.5	17.0	+- 1.8
9	180	1.8	21.3	+- 0.6; 3.2	15.9	+- 0.7; 4.4	15.7	+- 2.0
10	158	1.9	17.5	+- 0.5; 2.6	12.1	+- 0.6; 4.0	12.9	+- 2.0
11	235	1.2	22.1	+- 0.7; 3.3	16.6	+- 0.7; 4.4	16.8	+- 2.2
12	258	1.4	20.3	+- 0.6; 3.0	14.8	+- 0.7; 4.2	15.4	+- 2.1
13	273	1.4	20.7	+- 0.6; 3.1	15.3	+- 0.7; 4.3	15.6	+- 2.0
14	290	0.9	21.9	+- 0.7; 3.3	16.5	+- 0.7; 4.4	16.6	+- 1.9
15	333	0.8	20.4	+- 0.6; 3.1	14.9	+- 0.7; 4.3	15.4	+- 2.1
16	342	1.9	19.8	+- 0.6; 3.0	14.4	+- 0.7; 4.2	15.3	+- 2.0
17	317	2.0	17.9	+- 0.5; 2.7	12.5	+- 0.6; 4.0	13.7	+- 2.7
18	310	3.4	23.8	+- 0.7; 3.6	18.3	+- 0.8; 4.6	17.6	+- 1.8
19	293	4.0	18.4	+- 0.6; 2.8	13.0	+- 0.7; 4.1	14.7	+- 2.4
20	273	4.0	19.3	+- 0.6; 2.9	13.9	+- 0.7; 4.1	14.4	+- 2.4
21	300	5.6	19.5	+- 0.6; 2.9	14.1	+- 0.7; 4.2	14.5	+- 1.7
22	316	5.9	21.5	+- 0.6; 3.2	16.0	+- 0.7; 4.4	15.3	+- 2.0
23	345	2.7	21.9	+- 0.7; 3.3	16.5	+- 0.7; 4.4	16.6	+- 2.2
24	219	1.3	19.2	+- 0.6; 2.9	13.8	+- 0.7; 4.1	14.8	+- 2.0
25	247	1.4	22.2	+- 0.7; 3.3	16.7	+- 0.8; 4.4	16.4	+- 1.8
26	263	1.3	21.9	+- 0.7; 3.3	16.5	+- 0.7; 4.4	16.2	+- 1.9
27	290	1.4	22.6	+- 0.7; 3.4	17.1	+- 0.8; 4.5	16.6	+- 1.9
28	320	1.3	21.6	+- 0.6; 3.2	16.2	+- 0.7; 4.4	16.7	+- 2.3
29	342	1.1	19.6	+- 0.6; 2.9	14.2	+- 0.7; 4.2	15.7	+- 2.7
30	329	0.6	21.6	+- 0.6; 3.2	16.1	+- 0.7; 4.4	16.4	+- 1.9
31	13	1.0	20.2	+- 0.6; 3.0	14.8	+- 0.7; 4.2	14.7	+- 2.0
32	353	2.1	18.3	+- 0.5; 2.7	12.9	+- 0.7; 4.0	16.1	+- 1.9
33	301	3.9	19.6	+- 0.6; 2.9	14.2	+- 0.7; 4.2	15.1	+- 2.0
34	299	8.4	22.1	+- 0.7; 3.3	16.7	+- 0.7; 4.4	15.9	+- 1.8
35	323	3.8	17.7	+- 0.5; 2.7	12.3	+- 0.6; 4.0	14.0	+- 2.2
36	336	3.3	22.1	+- 0.7; 3.3	16.7	+- 0.7; 4.4	16.4	+- 2.2
37	6	3.1	19.8	+- 0.6; 3.0	14.3	+- 0.7; 4.2	14.5	+- 1.9
38	14	3.7	20.5	+- 0.6; 3.1	15.1	+- 0.7; 4.3	15.2	+- 1.9
39	13	7.6	18.2	+- 0.5; 2.7	12.8	+- 0.7; 4.0	13.1	+- 1.7
40	247	4.3	25.6	+- 0.8; 3.8	20.1	+- 0.8; 4.8	17.9	+- 2.0
41	8	23.0	16.8	+- 0.5; 2.5	11.4	+- 0.6; 3.9	13.1	+- 2.5
42	8	23.0	21.1	+- 0.6; 3.2	15.7	+- 0.7; 4.3	13.6	+- 2.0
43	8	23.0	18.3	+- 0.5; 2.7	12.9	+- 0.7; 4.0	12.8	+- 2.1

Transit Dose = 5.1 +- 0.4; 3.1

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Inches

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2 of 3

KEWAUNEE/PT. BEACH
For the period 940315-940721

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	13.6 +- 1.1	2
11.26 - 33.75 NNE	14.2 +- 1.3	3
33.76 - 56.25 NE	No Data +- No Data	0
56.26 - 78.75 ENE	No Data +- No Data	0
78.76 - 101.25 E	No Data +- No Data	0
101.26 - 123.75 ESE	No Data +- No Data	0
123.76 - 146.25 SE	No Data +- No Data	0
146.26 - 168.75 SSE	12.5 +- 0.6	2
168.76 - 191.25 S	15.1 +- 2.2	3
191.26 - 213.75 SSW	14.8 +- 3.2	3
213.76 - 236.25 SW	15.7 +- 1.7	3
236.26 - 258.75 WSW	16.4 +- 2.7	4
258.76 - 281.25 W	15.2 +- 1.3	3
281.26 - 303.75 WNW	15.2 +- 1.7	6
303.76 - 326.25 NW	15.1 +- 2.6	5
326.26 - 348.75 NNW	15.5 +- 1.1	6

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	15.3 +- 1.5	18
2 - 5	15.0 +- 2.5	15
> 5	14.6 +- 1.7	7
Upwind Control	13.3 +- 2.2	3

NRC TLD DOSES FOR KEWAUNEE AREA

Miles

Legend

Water

Highways

Railroads

Roads

Plant..site

LACROSSE

TLD Direct Radiation Environmental Monitoring

For the period 940315-940726 134 Days

Field Time: 92 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)	Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	5 20.0	19.2 +- 0.6; 2.9	12.7 +- 0.7; 4.2	14.9 +- 1.9
2	5 20.0	20.3 +- 0.6; 3.0	13.7 +- 0.7; 4.3	15.3 +- 1.6
3	3 20.0	21.9 +- 0.7; 3.3	15.4 +- 0.8; 4.5	15.7 +- 1.5
4	343 3.8	20.0 +- 0.6; 3.0	13.5 +- 0.7; 4.3	15.0 +- 1.6
5	313 3.8	22.7 +- 0.7; 3.4	16.1 +- 0.8; 4.6	17.4 +- 2.8
6	291 3.0	20.6 +- 0.6; 3.1	14.1 +- 0.7; 4.4	16.1 +- 1.5
7	261 4.8	22.2 +- 0.7; 3.3	15.7 +- 0.8; 4.5	17.6 +- 1.7
8	249 3.2	22.1 +- 0.7; 3.3	15.5 +- 0.8; 4.5	17.4 +- 1.8
9	214 5.0	22.7 +- 0.7; 3.4	16.1 +- 0.8; 4.6	15.8 +- 1.8
10	171 9.8	19.6 +- 0.6; 2.9	13.1 +- 0.7; 4.3	14.4 +- 1.4
11	176 5.1	20.4 +- 0.6; 3.1	13.9 +- 0.7; 4.3	14.8 +- 1.1
12	165 4.9	21.7 +- 0.7; 3.3	15.1 +- 0.8; 4.5	16.3 +- 1.4
13	138 3.5	21.6 +- 0.6; 3.2	15.0 +- 0.8; 4.5	16.6 +- 1.6
14	114 4.2	22.4 +- 0.7; 3.4	15.8 +- 0.8; 4.5	15.5 +- 1.5
15	97 3.9	20.1 +- 0.6; 3.0	13.5 +- 0.7; 4.3	14.8 +- 1.0
16	94 3.0	22.7 +- 0.7; 3.4	16.1 +- 0.8; 4.6	16.7 +- 1.7
17	105 2.0	18.9 +- 0.6; 2.8	12.3 +- 0.7; 4.2	16.8 +- 2.1
18	52 1.5	19.7 +- 0.6; 3.0	13.1 +- 0.7; 4.3	14.4 +- 1.5
19	16 1.5	21.0 +- 0.6; 3.1	14.4 +- 0.7; 4.4	14.7 +- 1.3
20	1 1.0	18.1 +- 0.5; 2.7	11.6 +- 0.7; 4.1	13.8 +- 1.3
21	358 0.5	22.1 +- 0.7; 3.3	15.5 +- 0.8; 4.5	17.3 +- 1.4
22	180 0.6	22.7 +- 0.7; 3.4	16.1 +- 0.8; 4.6	16.3 +- 1.3
23	134 1.7	19.2 +- 0.6; 2.9	12.7 +- 0.7; 4.2	16.7 +- 1.5
24	58 0.6	23.9 +- 0.7; 3.6	17.3 +- 0.8; 4.7	17.4 +- 1.8
25	59 3.1	20.5 +- 0.6; 3.1	13.9 +- 0.7; 4.3	17.5 +- 1.6
26	16 1.5	22.2 +- 0.7; 3.3	15.6 +- 0.8; 4.5	16.6 +- 1.7
27	26 5.1	20.3 +- 0.6; 3.0	13.8 +- 0.7; 4.3	15.5 +- 1.3
28	25 7.0	21.7 +- 0.7; 3.3	15.1 +- 0.8; 4.5	14.2 +- 1.7
29	4 4.8	21.6 +- 0.6; 3.2	15.0 +- 0.8; 4.5	16.1 +- 1.7

Transit Dose = 6.3 +- 0.4; 3.2

LACROSSE

For the period 940315-940726

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	14.0 +- 2.1	3
11.26 - 33.75 NNE	14.7 +- 0.8	4
33.76 - 56.25 NE	13.1 +- 0.0	1
56.26 - 78.75 ENE	15.6 +- 2.4	2
78.76 - 101.25 E	14.8 +- 1.8	2
101.26 - 123.75 ESE	14.1 +- 2.4	2
123.76 - 146.25 SE	13.8 +- 1.6	2
146.26 - 168.75 SSE	15.1 +- 0.0	1
168.76 - 191.25 S	14.4 +- 1.6	3
191.26 - 213.75 SSW	No Data +- No Data	0
213.76 - 236.25 SW	16.1 +- 0.0	1
236.26 - 258.75 WSW	15.5 +- 0.0	1
258.76 - 281.25 W	15.7 +- 0.0	1
281.26 - 303.75 WNW	14.1 +- 0.0	1
303.76 - 326.25 NW	16.1 +- 0.0	1
326.26 - 348.75 NNW	13.5 +- 0.0	1

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	14.3 +- 2.0	9
2 - 5	15.0 +- 1.0	13
> 5	14.0 +- 0.9	4
Upwind Control	13.9 +- 1.4	3

NRC TLD DOSES FOR LACROSSE AREA

Miles

Legend

Water

--- Railroads

Plant..site

— Highways

--- Roads

LASALLE

TLD Direct Radiation Environmental Monitoring

For the period 940315-940721 129 Days

Field Time: 89 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)	Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	302 10.0	Missing Dosimeter	No Net Data	17.2 +- 1.2
2	335 5.3	24.0 +- 0.7; 3.6	22.1 +- 0.8; 4.6	19.6 +- 1.6
3	343 5.8	18.2 +- 0.5; 2.7	16.3 +- 0.6; 3.9	15.6 +- 1.3
4	38 5.5	Missing Dosimeter	No Net Data	18.8 +- 2.4
5	39 4.3	17.4 +- 0.5; 2.6	15.5 +- 0.6; 3.8	14.6 +- 1.2
6	27 3.8	20.7 +- 0.6; 3.1	18.8 +- 0.7; 4.2	17.2 +- 1.3
7	2 4.1	Missing Dosimeter	No Net Data	19.5 +- 1.4
8	304 4.6	21.5 +- 0.6; 3.2	19.6 +- 0.7; 4.3	19.0 +- 1.4
9	292 3.9	20.1 +- 0.6; 3.0	18.2 +- 0.7; 4.1	19.4 +- 2.7
10	281 3.7	23.2 +- 0.7; 3.5	21.3 +- 0.8; 4.5	18.9 +- 1.8
11	248 4.0	21.9 +- 0.7; 3.3	20.0 +- 0.7; 4.3	18.3 +- 1.3
12	222 12.0	21.0 +- 0.6; 3.1	19.0 +- 0.7; 4.2	17.5 +- 1.2
13	212 18.0	21.4 +- 0.6; 3.2	19.4 +- 0.7; 4.3	18.2 +- 1.2
14	212 18.0	22.3 +- 0.7; 3.3	20.4 +- 0.7; 4.4	18.8 +- 1.3
15	212 18.0	21.1 +- 0.6; 3.2	19.2 +- 0.7; 4.2	18.6 +- 1.4
16	215 4.4	22.8 +- 0.7; 3.4	20.9 +- 0.7; 4.4	19.7 +- 1.2
17	204 4.0	22.4 +- 0.7; 3.4	20.5 +- 0.7; 4.4	19.0 +- 1.3
18	173 4.6	24.0 +- 0.7; 3.6	22.1 +- 0.8; 4.6	19.3 +- 1.2
19	174 6.4	19.9 +- 0.6; 3.0	18.0 +- 0.7; 4.1	17.1 +- 1.1
20	158 3.6	21.9 +- 0.7; 3.3	19.9 +- 0.7; 4.3	18.5 +- 1.4
21	124 4.2	22.3 +- 0.7; 3.3	20.4 +- 0.7; 4.4	19.3 +- 1.7
22	114 3.8	22.2 +- 0.7; 3.3	20.3 +- 0.7; 4.4	18.7 +- 1.2
23	97 4.5	22.3 +- 0.7; 3.3	20.4 +- 0.7; 4.4	18.0 +- 1.4
24	72 4.7	23.6 +- 0.7; 3.5	21.7 +- 0.8; 4.5	19.7 +- 1.5
25	41 2.0	22.8 +- 0.7; 3.4	20.9 +- 0.7; 4.4	18.8 +- 1.3
26	11 1.6	21.3 +- 0.6; 3.2	19.4 +- 0.7; 4.3	18.5 +- 1.3
27	358 1.5	21.4 +- 0.6; 3.2	19.5 +- 0.7; 4.3	19.2 +- 1.2
28	336 1.6	21.3 +- 0.6; 3.2	19.4 +- 0.7; 4.3	18.2 +- 1.3
29	310 2.3	21.1 +- 0.6; 3.2	19.2 +- 0.7; 4.2	17.5 +- 1.5
30	301 2.0	25.1 +- 0.8; 3.8	23.2 +- 0.8; 4.7	20.8 +- 1.4
31	271 1.7	22.0 +- 0.7; 3.3	20.1 +- 0.7; 4.4	18.3 +- 1.2
32	256 1.8	25.3 +- 0.8; 3.8	23.4 +- 0.8; 4.7	19.1 +- 1.4
33	227 2.4	24.0 +- 0.7; 3.6	22.1 +- 0.8; 4.6	20.3 +- 1.5
34	204 1.7	21.7 +- 0.7; 3.3	19.8 +- 0.7; 4.3	18.6 +- 1.3
35	165 1.6	25.1 +- 0.8; 3.8	23.3 +- 0.8; 4.7	19.3 +- 2.0
36	149 1.8	22.8 +- 0.7; 3.4	20.9 +- 0.7; 4.4	19.5 +- 1.3
37	139 2.1	22.0 +- 0.7; 3.3	20.1 +- 0.7; 4.3	18.8 +- 1.2
38	111 1.5	19.8 +- 0.6; 3.0	17.8 +- 0.7; 4.1	16.8 +- 1.2
39	265 0.6	23.6 +- 0.7; 3.5	21.7 +- 0.8; 4.5	19.7 +- 1.6

Transit Dose = 2.1 +- 0.3; 2.8

LASALLE

For the period 940315-940721

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	19.4 +- 0.1	2
11.26 - 33.75 NNE	18.8 +- 0.0	1
33.76 - 56.25 NE	18.2 +- 3.8	2
56.26 - 78.75 ENE	21.7 +- 0.0	1
78.76 - 101.25 E	20.4 +- 0.0	1
101.26 - 123.75 ESE	19.1 +- 1.8	2
123.76 - 146.25 SE	20.2 +- 0.2	2
146.26 - 168.75 SSE	21.4 +- 1.7	3
168.76 - 191.25 S	20.0 +- 2.9	2
191.26 - 213.75 SSW	20.1 +- 0.5	2
213.76 - 236.25 SW	20.7 +- 1.5	3
236.26 - 258.75 WSW	21.7 +- 2.4	2
258.76 - 281.25 W	21.1 +- 0.8	3
281.26 - 303.75 WNW	20.7 +- 3.6	2
303.76 - 326.25 NW	19.4 +- 0.2	2
326.26 - 348.75 NNW	19.2 +- 2.9	3

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	20.8 +- 1.8	12
2 - 5	20.1 +- 1.6	17
> 5	18.8 +- 2.5	4
Upwind Control	19.7 +- 0.6	3

NRC TLD DOSES FOR LASALLE AREA

Miles

Legend

Water
Highways

Railroads
Roads

Plant..site

LIMERICK

TLD Direct Radiation Environmental Monitoring

For the period 940314-940714 123 Days

Field Time: 92 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)	Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	115 8.5	25.0 +- 0.7; 3.7	21.2 +- 0.8; 4.7	23.1 +- 1.8
3	85 3.7	20.4 +- 0.6; 3.1	16.7 +- 0.7; 4.2	19.1 +- 1.4
4	46 3.3	21.4 +- 0.6; 3.2	17.7 +- 0.7; 4.3	19.7 +- 1.6
5	20 3.7	21.8 +- 0.7; 3.3	18.0 +- 0.7; 4.3	19.6 +- 1.6
6	7 4.6	22.3 +- 0.7; 3.3	18.6 +- 0.7; 4.4	20.5 +- 1.5
7	340 7.2	20.1 +- 0.6; 3.0	16.4 +- 0.7; 4.1	18.2 +- 1.9
8	332 4.0	21.9 +- 0.7; 3.3	18.2 +- 0.7; 4.3	19.2 +- 1.4
9	313 3.4	21.5 +- 0.6; 3.2	17.8 +- 0.7; 4.3	19.4 +- 1.7
10	291 4.9	22.7 +- 0.7; 3.4	19.0 +- 0.7; 4.4	20.8 +- 1.7
11	304 3.0	26.0 +- 0.8; 3.9	22.2 +- 0.8; 4.8	24.6 +- 1.7
12	316 1.9	20.8 +- 0.6; 3.1	17.0 +- 0.7; 4.2	18.4 +- 1.6
13	347 1.9	23.2 +- 0.7; 3.5	19.5 +- 0.8; 4.5	20.6 +- 1.6
14	339 1.5	Missing Dosimeter	No Net Data	17.5 +- 1.3
15	41 1.7	20.4 +- 0.6; 3.1	16.6 +- 0.7; 4.1	18.6 +- 1.6
16	66 2.6	19.6 +- 0.6; 2.9	15.9 +- 0.7; 4.1	19.6 +- 1.6
17	5 0.6	19.5 +- 0.6; 2.9	15.8 +- 0.7; 4.1	18.7 +- 1.8
18	300 0.7	22.3 +- 0.7; 3.3	18.6 +- 0.7; 4.4	18.9 +- 1.9
19	291 0.7	20.2 +- 0.6; 3.0	16.5 +- 0.7; 4.1	18.5 +- 1.7
20	260 0.7	20.3 +- 0.6; 3.1	16.6 +- 0.7; 4.1	18.2 +- 1.5
21	234 0.9	21.1 +- 0.6; 3.2	17.4 +- 0.7; 4.2	18.5 +- 1.7
22	210 1.1	21.7 +- 0.7; 3.3	18.0 +- 0.7; 4.3	19.2 +- 1.4
23	174 1.7	19.9 +- 0.6; 3.0	16.2 +- 0.7; 4.1	17.2 +- 1.4
24	149 1.5	21.5 +- 0.6; 3.2	17.7 +- 0.7; 4.3	17.6 +- 1.7
25	124 1.0	21.2 +- 0.6; 3.2	17.5 +- 0.7; 4.2	19.9 +- 1.5
26	114 1.1	22.3 +- 0.7; 3.4	18.6 +- 0.7; 4.4	20.1 +- 1.7
27	160 1.0	21.8 +- 0.7; 3.3	18.0 +- 0.7; 4.3	19.1 +- 1.5
28	81 1.0	20.5 +- 0.6; 3.1	16.8 +- 0.7; 4.2	18.6 +- 1.8
29	51 0.7	21.9 +- 0.7; 3.3	18.2 +- 0.7; 4.3	19.1 +- 1.6
30	144 3.2	25.5 +- 0.8; 3.8	21.7 +- 0.8; 4.7	22.5 +- 1.7
31	158 2.6	21.5 +- 0.6; 3.2	17.7 +- 0.7; 4.3	19.3 +- 2.2
32	153 7.3	19.6 +- 0.6; 2.9	15.9 +- 0.7; 4.1	17.9 +- 1.6
33	186 4.2	19.8 +- 0.6; 3.0	16.1 +- 0.7; 4.1	17.1 +- 1.7
34	194 3.8	18.7 +- 0.6; 2.8	15.0 +- 0.6; 4.0	17.1 +- 1.6
35	229 5.1	21.5 +- 0.6; 3.2	17.7 +- 0.7; 4.3	18.9 +- 1.6
36	251 4.1	23.7 +- 0.7; 3.6	20.0 +- 0.8; 4.5	19.1 +- 1.9
37	270 3.0	18.1 +- 0.5; 2.7	14.5 +- 0.6; 3.9	15.9 +- 1.6
38	293 11.9	22.7 +- 0.7; 3.4	18.9 +- 0.7; 4.4	20.5 +- 1.9
39	293 11.9	23.4 +- 0.7; 3.5	19.7 +- 0.8; 4.5	20.4 +- 1.7
40	293 11.9	23.2 +- 0.7; 3.5	19.5 +- 0.8; 4.5	21.0 +- 1.7
41	126 2.9	18.7 +- 0.6; 2.8	15.0 +- 0.6; 4.0	16.2 +- 1.7
42	111 4.3	22.0 +- 0.7; 3.3	18.3 +- 0.7; 4.3	19.1 +- 1.8

Transit Dose = 3.3 +- 0.3; 2.9

LIMERICK

For the period 940314-940714

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	17.2 +- 1.9	2
11.26 - 33.75 NNE	18.0 +- 0.0	1
33.76 - 56.25 NE	17.5 +- 0.8	3
56.26 - 78.75 ENE	15.9 +- 0.0	1
78.76 - 101.25 E	16.7 +- 0.0	2
101.26 - 123.75 ESE	19.3 +- 1.6	3
123.76 - 146.25 SE	18.0 +- 3.4	3
146.26 - 168.75 SSE	17.4 +- 1.0	4
168.76 - 191.25 S	16.1 +- 0.1	2
191.26 - 213.75 SSW	16.5 +- 2.1	2
213.76 - 236.25 SW	17.6 +- 0.2	2
236.26 - 258.75 WSW	20.0 +- 0.0	1
258.76 - 281.25 W	15.6 +- 1.5	2
281.26 - 303.75 WNW	18.0 +- 1.3	3
303.76 - 326.25 NW	19.0 +- 2.8	3
326.26 - 348.75 NNW	18.0 +- 1.6	3

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	17.4 +- 1.0	16
2 - 5	17.8 +- 2.2	17
> 5	17.8 +- 2.4	4
Upwind Control	19.4 +- 0.4	3

NRC TLD DOSES FOR LIMERICK AREA

Miles

Legend

Water

Railroads

Plant..site

Highways

Roads

MAINE YANKEE

TLD Direct Radiation Environmental Monitoring

For the period 940316-940727 134 Days

Field Time: 92 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)	Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	340 1.0	22.6 +- 0.7; 3.4	17.9 +- 0.7; 4.4	18.8 +- 2.2
2	6 1.4	20.7 +- 0.6; 3.1	16.2 +- 0.7; 4.2	17.8 +- 2.5
3	23 1.5	21.0 +- 0.6; 3.1	16.4 +- 0.7; 4.3	17.3 +- 2.1
4	44 1.8	21.3 +- 0.6; 3.2	16.7 +- 0.7; 4.3	17.2 +- 2.6
5	116 0.5	Missing Dosimeter	No Net Data	17.2 +- 2.5
6	168 1.0	21.9 +- 0.7; 3.3	17.3 +- 0.7; 4.4	18.1 +- 2.3
7	185 1.6	19.5 +- 0.6; 2.9	14.9 +- 0.7; 4.1	16.8 +- 1.9
8	195 2.3	22.1 +- 0.7; 3.3	17.4 +- 0.7; 4.4	17.7 +- 2.5
9	209 3.8	21.5 +- 0.6; 3.2	16.9 +- 0.7; 4.3	17.2 +- 2.1
10	310 1.7	21.0 +- 0.6; 3.2	16.4 +- 0.7; 4.3	17.3 +- 2.6
11	290 1.8	24.4 +- 0.7; 3.7	19.7 +- 0.8; 4.6	19.9 +- 2.8
12	275 1.7	23.2 +- 0.7; 3.5	18.5 +- 0.8; 4.5	18.9 +- 2.4
13	256 1.9	21.4 +- 0.6; 3.2	16.8 +- 0.7; 4.3	17.6 +- 2.5
14	232 2.5	22.3 +- 0.7; 3.3	17.6 +- 0.7; 4.4	18.5 +- 1.7
15	227 5.3	22.8 +- 0.7; 3.4	18.2 +- 0.8; 4.5	18.3 +- 2.6
16	246 4.4	24.1 +- 0.7; 3.6	19.4 +- 0.8; 4.6	19.5 +- 2.6
17	250 6.6	27.7 +- 0.8; 4.2	23.0 +- 0.9; 5.0	23.0 +- 2.2
18	268 4.7	23.0 +- 0.7; 3.5	18.4 +- 0.8; 4.5	18.4 +- 2.3
19	283 4.4	22.1 +- 0.7; 3.3	17.5 +- 0.7; 4.4	17.9 +- 1.7
20	305 4.7	22.4 +- 0.7; 3.4	17.8 +- 0.7; 4.4	17.7 +- 2.8
21	300 2.9	22.2 +- 0.7; 3.3	17.5 +- 0.7; 4.4	18.3 +- 2.5
22	332 2.7	21.7 +- 0.7; 3.3	17.1 +- 0.7; 4.3	19.0 +- 3.0
23	20 3.9	22.4 +- 0.7; 3.4	17.8 +- 0.7; 4.4	18.7 +- 2.7
24	23 3.0	23.1 +- 0.7; 3.5	18.5 +- 0.8; 4.5	19.2 +- 2.6
25	42 4.7	22.5 +- 0.7; 3.4	17.9 +- 0.7; 4.4	18.8 +- 2.4
26	60 15.0	21.0 +- 0.6; 3.1	16.4 +- 0.7; 4.3	17.2 +- 2.5
27	62 16.0	19.7 +- 0.6; 3.0	15.1 +- 0.7; 4.1	16.1 +- 2.0
28	63 16.0	22.3 +- 0.7; 3.3	17.7 +- 0.7; 4.4	17.4 +- 2.2
29	64 2.1	Missing Dosimeter	No Net Data	20.1 +- 2.7
30	84 1.5	19.9 +- 0.6; 3.0	15.3 +- 0.7; 4.1	16.8 +- 2.1
31	115 1.6	19.8 +- 0.6; 3.0	15.2 +- 0.7; 4.1	17.2 +- 2.4
32	135 2.0	19.7 +- 0.6; 3.0	15.2 +- 0.7; 4.1	16.4 +- 2.1
33	66 3.5	21.7 +- 0.7; 3.3	17.1 +- 0.7; 4.3	17.7 +- 2.4
34	97 4.9	23.2 +- 0.7; 3.5	18.5 +- 0.8; 4.5	18.5 +- 2.0
35	123 4.8	23.5 +- 0.7; 3.5	18.9 +- 0.8; 4.5	18.6 +- 2.0
36	140 4.9	19.7 +- 0.6; 3.0	15.2 +- 0.7; 4.1	17.7 +- 3.0
37	151 6.0	23.5 +- 0.7; 3.5	18.8 +- 0.8; 4.5	18.6 +- 2.6
38	152 4.2	23.8 +- 0.7; 3.6	19.2 +- 0.8; 4.6	19.3 +- 2.3
39	172 4.9	22.2 +- 0.7; 3.3	17.6 +- 0.7; 4.4	17.5 +- 2.0
40	156 7.4	20.7 +- 0.6; 3.1	16.1 +- 0.7; 4.2	18.1 +- 2.0

Transit Dose = 4.2 +- 0.4; 3.0

MAINE YANKEE

For the period 940316-940727

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	16.2 +- 0.0	1
11.26 - 33.75 NNE	17.5 +- 1.1	3
33.76 - 56.25 NE	17.3 +- 0.9	2
56.26 - 78.75 ENE	17.1 +- 0.0	1
78.76 - 101.25 E	16.9 +- 2.3	2
101.26 - 123.75 ESE	17.0 +- 2.6	2
123.76 - 146.25 SE	15.2 +- 0.0	2
146.26 - 168.75 SSE	17.9 +- 1.4	4
168.76 - 191.25 S	16.2 +- 1.9	2
191.26 - 213.75 SSW	17.1 +- 0.4	2
213.76 - 236.25 SW	17.9 +- 0.4	2
236.26 - 258.75 WSW	19.7 +- 3.1	3
258.76 - 281.25 W	18.4 +- 0.1	2
281.26 - 303.75 WNW	18.2 +- 1.3	3
303.76 - 326.25 NW	17.1 +- 1.0	2
326.26 - 348.75 NNW	17.5 +- 0.6	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	16.6 +- 1.4	13
2 - 5	17.8 +- 1.0	18
> 5	19.0 +- 2.9	4
Upwind Control	16.4 +- 1.3	3

NRC TLD DOSES FOR MAINE YANKEE AREA

Miles

Legend

Water

Railroads

Plant..site

Highways

Roads

MCGUIRE

TLD Direct Radiation Environmental Monitoring

For the period 940316-940719 126 Days

Field Time: 91 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)	Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	97 0.5	17.1 +- 0.5; 2.6	11.9 +- 0.6; 4.0	14.4 +- 2.9
2	323 1.6	20.4 +- 0.6; 3.1	15.1 +- 0.7; 4.3	16.8 +- 2.5
3	336 1.7	20.4 +- 0.6; 3.1	15.1 +- 0.7; 4.3	17.9 +- 2.8
4	303 2.9	18.3 +- 0.5; 2.7	13.0 +- 0.7; 4.1	16.3 +- 3.5
5	321 3.9	19.0 +- 0.6; 2.8	13.7 +- 0.7; 4.1	16.4 +- 2.6
6	334 3.7	18.4 +- 0.6; 2.8	13.2 +- 0.7; 4.1	16.2 +- 2.9
7	352 3.5	15.1 +- 0.5; 2.3	9.8 +- 0.6; 3.8	14.7 +- 2.6
8	287 2.0	24.2 +- 0.7; 3.6	18.8 +- 0.8; 4.7	17.6 +- 3.3
9	273 1.9	16.2 +- 0.5; 2.4	10.9 +- 0.6; 3.9	16.0 +- 3.5
10	244 1.7	16.3 +- 0.5; 2.5	11.1 +- 0.6; 3.9	14.9 +- 2.7
11	225 2.1	16.3 +- 0.5; 2.4	11.0 +- 0.6; 3.9	14.5 +- 2.6
12	212 3.6	18.2 +- 0.5; 2.7	12.9 +- 0.7; 4.1	16.2 +- 2.7
13	232 4.4	24.9 +- 0.7; 3.7	19.6 +- 0.8; 4.8	21.8 +- 2.7
14	253 3.7	20.6 +- 0.6; 3.1	15.3 +- 0.7; 4.3	19.0 +- 3.0
15	261 4.2	17.1 +- 0.5; 2.6	11.8 +- 0.6; 4.0	14.9 +- 2.6
16	288 4.3	24.2 +- 0.7; 3.6	18.8 +- 0.8; 4.7	22.0 +- 2.8
17	288 17.0	26.4 +- 0.8; 4.0	21.0 +- 0.9; 5.0	23.7 +- 6.2
18	287 2.0	19.9 +- 0.6; 3.0	14.6 +- 0.7; 4.2	21.0 +- 3.1
19	286 17.0	23.1 +- 0.7; 3.5	17.8 +- 0.8; 4.6	22.0 +- 3.7
20	233 18.0	23.4 +- 0.7; 3.5	18.0 +- 0.8; 4.6	21.6 +- 2.8
21	204 10.0	17.9 +- 0.5; 2.7	12.6 +- 0.6; 4.0	15.9 +- 2.8
22	239 9.5	17.9 +- 0.5; 2.7	12.6 +- 0.6; 4.0	17.3 +- 2.8
23	115 4.9	13.4 +- 0.4; 2.0	8.2 +- 0.5; 3.6	13.4 +- 2.8
24	132 4.9	15.2 +- 0.5; 2.3	9.9 +- 0.6; 3.8	13.8 +- 2.6
25	156 4.0	14.2 +- 0.4; 2.1	9.0 +- 0.6; 3.7	11.7 +- 2.6
26	175 3.7	16.7 +- 0.5; 2.5	11.4 +- 0.6; 3.9	13.9 +- 2.6
27	198 4.3	22.6 +- 0.7; 3.4	17.2 +- 0.8; 4.5	19.1 +- 3.1
28	169 13.0	15.4 +- 0.5; 2.3	10.1 +- 0.6; 3.8	14.5 +- 3.0
29	155 13.0	16.2 +- 0.5; 2.4	10.9 +- 0.6; 3.9	14.1 +- 2.5
30	146 14.0	15.7 +- 0.5; 2.4	10.5 +- 0.6; 3.8	13.3 +- 2.5
31	143 1.9	13.1 +- 0.4; 2.0	7.9 +- 0.5; 3.6	13.8 +- 3.1
32	155 1.3	16.5 +- 0.5; 2.5	11.2 +- 0.6; 3.9	14.5 +- 2.5
33	178 1.6	14.3 +- 0.4; 2.1	9.0 +- 0.6; 3.7	13.0 +- 2.4
34	108 2.0	16.9 +- 0.5; 2.5	11.6 +- 0.6; 3.9	14.8 +- 2.6
35	93 2.2	14.5 +- 0.4; 2.2	9.2 +- 0.6; 3.7	14.4 +- 3.0
36	68 2.5	15.9 +- 0.5; 2.4	10.6 +- 0.6; 3.8	14.6 +- 2.6
37	82 4.7	16.4 +- 0.5; 2.5	11.1 +- 0.6; 3.9	14.3 +- 2.5
38	64 4.9	15.0 +- 0.5; 2.3	9.8 +- 0.6; 3.8	14.5 +- 2.4
39	42 5.0	Missing Dosimeter	No Net Data	18.1 +- 2.7
40	26 4.3	15.2 +- 0.5; 2.3	9.9 +- 0.6; 3.8	15.0 +- 2.8
41	42 2.0	14.2 +- 0.4; 2.1	9.0 +- 0.6; 3.7	12.7 +- 2.4
42	21 1.6	17.2 +- 0.5; 2.6	11.9 +- 0.6; 4.0	16.8 +- 2.8
43	8 2.6	20.1 +- 0.6; 3.0	14.8 +- 0.7; 4.3	17.9 +- 2.6
44	37 13.0	22.2 +- 0.7; 3.3	16.9 +- 0.8; 4.5	21.4 +- 3.0
45	78 19.0	24.7 +- 0.7; 3.7	19.4 +- 0.8; 4.8	23.8 +- 3.2
46	94 19.0	18.3 +- 0.5; 2.7	13.0 +- 0.7; 4.1	17.9 +- 2.4

Transit Dose = 5.1 +- 0.4; 3.1

MCGUIRE

For the period 940316-940719

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	12.3 +- 3.5	2
11.26 - 33.75 NNE	10.9 +- 1.4	2
33.76 - 56.25 NE	12.9 +- 5.6	2
56.26 - 78.75 ENE	13.3 +- 5.3	3
78.76 - 101.25 E	11.3 +- 1.6	4
101.26 - 123.75 ESE	9.9 +- 2.4	2
123.76 - 146.25 SE	9.4 +- 1.4	3
146.26 - 168.75 SSE	10.4 +- 1.2	3
168.76 - 191.25 S	10.2 +- 1.2	3
191.26 - 213.75 SSW	14.2 +- 2.6	3
213.76 - 236.25 SW	16.2 +- 4.6	3
236.26 - 258.75 WSW	13.0 +- 2.1	3
258.76 - 281.25 W	11.4 +- 0.6	2
281.26 - 303.75 WNW	16.9 +- 3.4	3
303.76 - 326.25 NW	14.4 +- 1.0	2
326.26 - 348.75 NNW	14.1 +- 1.4	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	12.0 +- 3.1	12
2 - 5	12.4 +- 3.2	21
> 5	13.8 +- 3.4	9
Upwind Control	17.8 +- 3.2	3

NRC TLD DOSES FOR McGUIRE AREA

Miles

Legend

Water

Railroads

Plant..site

Highways

Roads

MILLSTONE

TLD Direct Radiation Environmental Monitoring
 For the period 940317-940726 132 Days
 Field Time: 83 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)		Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	0	1.0	24.1 +- 0.7; 3.6	23.0 +- 0.8; 4.9	19.6 +- 1.8
2	24	1.3	18.4 +- 0.6; 2.8	16.8 +- 0.7; 4.1	15.1 +- 1.7
3	47	1.5	23.1 +- 0.7; 3.5	21.9 +- 0.8; 4.7	19.4 +- 1.7
4	60	1.7	21.5 +- 0.6; 3.2	20.2 +- 0.8; 4.5	17.6 +- 1.8
5	85	1.3	22.0 +- 0.7; 3.3	20.7 +- 0.8; 4.6	18.7 +- 1.6
6	110	1.8	21.5 +- 0.6; 3.2	20.1 +- 0.8; 4.5	18.3 +- 1.8
7	67	5.3	23.4 +- 0.7; 3.5	22.2 +- 0.8; 4.8	19.4 +- 2.2
8	49	5.3	23.5 +- 0.7; 3.5	22.3 +- 0.8; 4.8	19.4 +- 1.9
9	84	5.2	Missing Dosimeter	No Net Data	17.8 +- 1.6
11	232	2.5	21.3 +- 0.6; 3.2	19.9 +- 0.8; 4.5	17.3 +- 1.8
12	256	2.4	23.3 +- 0.7; 3.5	22.1 +- 0.8; 4.7	19.6 +- 1.7
13	274	2.2	22.8 +- 0.7; 3.4	21.5 +- 0.8; 4.7	19.4 +- 1.8
14	295	1.9	24.8 +- 0.7; 3.7	23.7 +- 0.9; 4.9	20.4 +- 2.3
15	315	1.5	Missing Dosimeter	No Net Data	15.7 +- 1.8
16	339	1.2	22.5 +- 0.7; 3.4	21.2 +- 0.8; 4.6	19.6 +- 1.7
17	353	3.5	22.0 +- 0.7; 3.3	20.7 +- 0.8; 4.6	18.4 +- 1.9
18	24	3.5	23.6 +- 0.7; 3.5	22.5 +- 0.8; 4.8	19.1 +- 1.9
19	33	3.0	Missing Dosimeter	No Net Data	20.4 +- 2.2
20	82	4.0	Missing Dosimeter	No Net Data	17.9 +- 1.3
22	59	3.7	Missing Dosimeter	No Net Data	20.1 +- 1.9
28	257	5.8	Missing Dosimeter	No Net Data	21.6 +- 3.0
29	272	3.7	Missing Dosimeter	No Net Data	21.2 +- 2.2
30	295	3.5	Missing Dosimeter	No Net Data	20.9 +- 2.1
31	317	3.6	Missing Dosimeter	No Net Data	18.1 +- 1.8
32	327	4.3	Missing Dosimeter	No Net Data	21.2 +- 1.9
33	41	4.7	Missing Dosimeter	No Net Data	19.5 +- 1.9
34	54	5.5	Missing Dosimeter	No Net Data	20.7 +- 2.0
37	354	6.8	Missing Dosimeter	No Net Data	19.0 +- 1.8
39	1	5.7	Missing Dosimeter	No Net Data	18.5 +- 1.7
40	278	8.7	Missing Dosimeter	No Net Data	16.6 +- 1.8
41	34	11.0	Missing Dosimeter	No Net Data	24.2 +- 2.2
42	84	8.0	22.7 +- 0.7; 3.4	21.5 +- 0.8; 4.7	18.8 +- 1.8
46	41	0.6	22.3 +- 0.7; 3.3	21.0 +- 0.8; 4.6	18.3 +- 1.9
48	4	40.0	30.3 +- 0.9; 4.6	29.8 +- 1.0; 5.7	23.7 +- 2.5
49	4	40.0	29.9 +- 0.9; 4.5	29.3 +- 1.0; 5.6	23.8 +- 2.5

Transit Dose = 2.9 +- 0.3; 2.6

Note: An unusually large number of TLDs were missing this quarter. See page 2 of the preface for more information.

MILLSTONE

For the period 940317-940726

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	21.8 +- 1.6	2
11.26 - 33.75 NNE	19.7 +- 4.0	2
33.76 - 56.25 NE	21.7 +- 0.7	3
56.26 - 78.75 ENE	21.2 +- 1.4	2
78.76 - 101.25 E	21.1 +- 0.6	2
101.26 - 123.75 ESE	20.1 +- 0.0	1
123.76 - 146.25 SE	No Data +- No Data	0
146.26 - 168.75 SSE	No Data +- No Data	0
168.76 - 191.25 S	No Data +- No Data	0
191.26 - 213.75 SSW	No Data +- No Data	0
213.76 - 236.25 SW	19.9 +- 0.0	1
236.26 - 258.75 WSW	22.1 +- 0.0	1
258.76 - 281.25 W	21.5 +- 0.0	1
281.26 - 303.75 WNW	23.7 +- 0.0	1
303.76 - 326.25 NW	No Data +- No Data	0
326.26 - 348.75 NNW	21.2 +- 0.0	1

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	21.0 +- 2.0	9
2 - 5	21.4 +- 1.0	5
> 5	22.0 +- 0.4	3
Upwind Control	29.5 +- 0.3	2

✱ Plant..site

MONTICELLO
 TLD Direct Radiation Environmental Monitoring
 For the period 940315-940719 127 Days
 Field Time: 79 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Ml)	Gross Exposure (mR) +-Rdm; Tot.		Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.		Hist. Range Net Exp Rate +-1 Std Dev	
1	133	20.8	+- 0.6; 3.1	16.8	+- 0.8; 4.8	16.8	+- 1.3
2	163	21.9	+- 0.7; 3.3	18.0	+- 0.9; 4.9	17.4	+- 1.4
3	183	22.3	+- 0.7; 3.3	18.4	+- 0.9; 5.0	17.8	+- 1.3
4	206	20.2	+- 0.6; 3.0	16.0	+- 0.8; 4.7	17.6	+- 1.4
5	230	23.8	+- 0.7; 3.6	20.1	+- 0.9; 5.2	19.0	+- 1.8
6	253	21.0	+- 0.6; 3.1	17.0	+- 0.8; 4.8	17.8	+- 1.5
7	269	20.9	+- 0.6; 3.1	16.9	+- 0.8; 4.8	17.2	+- 1.5
8	286	21.5	+- 0.6; 3.2	17.6	+- 0.9; 4.9	18.1	+- 1.5
9	274	20.1	+- 0.6; 3.0	16.0	+- 0.8; 4.7	17.0	+- 1.5
10	244	19.1	+- 0.6; 2.9	14.8	+- 0.8; 4.6	15.5	+- 1.4
11	226	20.7	+- 0.6; 3.1	16.6	+- 0.8; 4.8	16.8	+- 1.4
12	181	20.9	+- 0.6; 3.1	16.9	+- 0.8; 4.8	17.0	+- 1.4
13	137	Missing Dosimeter		No Net Data		17.1	+- 1.4
14	155	20.8	+- 0.6; 3.1	16.8	+- 0.8; 4.8	17.1	+- 1.2
15	208	20.6	+- 0.6; 3.1	16.5	+- 0.8; 4.8	16.6	+- 1.3
16	284	20.5	+- 0.6; 3.1	16.4	+- 0.8; 4.8	16.6	+- 1.1
17	113	21.6	+- 0.6; 3.2	17.6	+- 0.9; 4.9	16.8	+- 1.7
18	85	20.1	+- 0.6; 3.0	15.9	+- 0.8; 4.7	16.6	+- 1.3
19	63	21.0	+- 0.6; 3.1	16.9	+- 0.8; 4.8	16.8	+- 1.1
20	37	20.9	+- 0.6; 3.1	16.8	+- 0.8; 4.8	16.9	+- 1.4
21	23	20.3	+- 0.6; 3.0	16.1	+- 0.8; 4.7	16.9	+- 1.2
22	354	21.5	+- 0.6; 3.2	17.6	+- 0.9; 4.9	17.2	+- 1.4
23	338	21.3	+- 0.6; 3.2	17.3	+- 0.8; 4.9	17.1	+- 1.3
24	307	21.3	+- 0.6; 3.2	17.3	+- 0.8; 4.9	17.0	+- 1.4
25	339	20.3	+- 0.6; 3.0	16.1	+- 0.8; 4.7	16.5	+- 1.3
26	320	20.7	+- 0.6; 3.1	16.6	+- 0.8; 4.8	16.5	+- 1.5
27	354	20.0	+- 0.6; 3.0	15.8	+- 0.8; 4.7	16.8	+- 1.5
28	17	19.3	+- 0.6; 2.9	15.1	+- 0.8; 4.6	15.9	+- 1.3
29	50	19.0	+- 0.6; 2.8	14.7	+- 0.8; 4.6	16.9	+- 1.4
30	77	21.5	+- 0.6; 3.2	17.6	+- 0.9; 4.9	16.8	+- 1.3
31	115	19.8	+- 0.6; 3.0	15.6	+- 0.8; 4.7	16.0	+- 2.1
32	90	18.6	+- 0.6; 2.8	14.3	+- 0.8; 4.5	16.0	+- 1.5
33	323	20.5	+- 0.6; 3.1	16.4	+- 0.8; 4.8	16.5	+- 1.5
34	323	20.8	+- 0.6; 3.1	16.7	+- 0.8; 4.8	16.4	+- 1.4
35	323	21.8	+- 0.7; 3.3	17.8	+- 0.9; 4.9	17.2	+- 1.5

Transit Dose = 6.1 +- 0.4; 2.8

MONTICELLO

For the period 940315-940719

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	16.7 +- 1.2	2
11.26 - 33.75 NNE	15.6 +- 0.8	2
33.76 - 56.25 NE	15.7 +- 1.5	2
56.26 - 78.75 ENE	17.3 +- 0.4	2
78.76 - 101.25 E	15.1 +- 1.2	2
101.26 - 123.75 ESE	16.6 +- 1.5	2
123.76 - 146.25 SE	16.8 +- 0.0	1
146.26 - 168.75 SSE	17.4 +- 0.8	2
168.76 - 191.25 S	17.6 +- 1.1	2
191.26 - 213.75 SSW	16.2 +- 0.3	2
213.76 - 236.25 SW	18.4 +- 2.5	2
236.26 - 258.75 WSW	15.9 +- 1.5	2
258.76 - 281.25 W	16.4 +- 0.6	2
281.26 - 303.75 WNW	17.0 +- 0.8	2
303.76 - 326.25 NW	17.0 +- 0.5	2
326.26 - 348.75 NNW	16.7 +- 0.8	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	16.6 +- 0.7	15
2 - 5	16.6 +- 1.5	15
> 5	16.6 +- 0.0	1
Upwind Control	17.0 +- 0.8	3

NRC TLD DOSES FOR MONTICELLO AREA

Miles

Legend

Water

Highways

Railroads

Roads

Plant site

NORTH ANNA

TLD Direct Radiation Environmental Monitoring

For the period 940316-940726 133 Days

Field Time: 94 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)		Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	243	1.8	25.6 +- 0.8; 3.8	21.2 +- 0.8; 4.7	21.0 +- 1.6
2	263	1.6	22.1 +- 0.7; 3.3	17.9 +- 0.7; 4.3	17.8 +- 1.4
3	296	1.0	21.3 +- 0.6; 3.2	17.1 +- 0.7; 4.2	18.0 +- 1.5
4	311	1.3	26.6 +- 0.8; 4.0	22.2 +- 0.8; 4.8	22.3 +- 1.5
5	329	1.3	22.7 +- 0.7; 3.4	18.5 +- 0.7; 4.3	19.0 +- 1.3
6	231	3.9	24.9 +- 0.7; 3.7	20.6 +- 0.8; 4.6	20.4 +- 1.4
7	224	1.7	25.1 +- 0.8; 3.8	20.8 +- 0.8; 4.6	19.9 +- 1.4
8	210	1.6	22.6 +- 0.7; 3.4	18.4 +- 0.7; 4.3	18.2 +- 1.4
9	181	1.4	20.6 +- 0.6; 3.1	16.5 +- 0.7; 4.1	16.1 +- 1.3
10	155	1.0	27.8 +- 0.8; 4.2	23.3 +- 0.9; 4.9	23.9 +- 1.6
11	136	1.6	23.4 +- 0.7; 3.5	19.2 +- 0.7; 4.4	18.2 +- 1.7
12	163	3.5	23.5 +- 0.7; 3.5	19.3 +- 0.7; 4.4	19.3 +- 1.5
13	190	3.3	21.8 +- 0.7; 3.3	17.7 +- 0.7; 4.3	17.6 +- 1.4
14	205	4.9	20.9 +- 0.6; 3.1	16.8 +- 0.7; 4.2	17.0 +- 1.2
15	140	4.2	24.4 +- 0.7; 3.7	20.1 +- 0.8; 4.5	19.0 +- 1.3
16	113	4.9	27.8 +- 0.8; 4.2	23.4 +- 0.9; 4.9	22.9 +- 1.7
17	93	3.3	20.6 +- 0.6; 3.1	16.5 +- 0.7; 4.1	16.1 +- 1.3
18	64	4.1	25.2 +- 0.8; 3.8	20.9 +- 0.8; 4.6	19.2 +- 1.4
19	78	2.7	34.3 +- 1.0; 5.2	29.6 +- 1.0; 5.7	28.4 +- 1.5
20	97	1.9	25.9 +- 0.8; 3.9	21.6 +- 0.8; 4.7	20.2 +- 1.8
21	105	1.7	20.6 +- 0.6; 3.1	16.5 +- 0.7; 4.1	16.7 +- 1.3
22	60	2.4	21.0 +- 0.6; 3.1	16.8 +- 0.7; 4.2	17.2 +- 1.4
23	37	1.4	23.0 +- 0.7; 3.5	18.8 +- 0.7; 4.4	18.9 +- 1.4
24	16	1.6	27.1 +- 0.8; 4.1	22.7 +- 0.8; 4.8	23.9 +- 1.6
25	48	3.5	19.6 +- 0.6; 2.9	15.6 +- 0.6; 4.0	16.0 +- 2.0
26	17	3.7	23.9 +- 0.7; 3.6	19.6 +- 0.8; 4.5	19.4 +- 1.4
27	3	4.8	21.6 +- 0.6; 3.2	17.5 +- 0.7; 4.2	17.4 +- 1.8
28	348	4.0	21.3 +- 0.6; 3.2	17.1 +- 0.7; 4.2	17.3 +- 1.4
29	2	1.9	21.7 +- 0.6; 3.2	17.5 +- 0.7; 4.2	16.8 +- 1.1
30	284	5.0	20.8 +- 0.6; 3.1	16.7 +- 0.7; 4.1	17.3 +- 1.5
31	310	4.7	25.6 +- 0.8; 3.8	21.2 +- 0.8; 4.7	20.2 +- 1.8
32	273	4.9	20.8 +- 0.6; 3.1	16.6 +- 0.7; 4.1	14.2 +- 1.7
33	257	5.1	Missing Dosimeter	No Net Data	18.4 +- 1.7
34	242	7.1	23.9 +- 0.7; 3.6	19.6 +- 0.8; 4.5	19.3 +- 1.6
35	255	11.0	22.6 +- 0.7; 3.4	18.4 +- 0.7; 4.3	18.3 +- 1.8
36	248	15.0	23.3 +- 0.7; 3.5	19.0 +- 0.7; 4.4	18.3 +- 1.4
37	247	17.0	22.4 +- 0.7; 3.4	18.2 +- 0.7; 4.3	17.6 +- 1.3
38	244	19.0	20.4 +- 0.6; 3.1	16.3 +- 0.7; 4.1	16.8 +- 1.7

Transit Dose = 3.4 +- 0.3; 3.0

NORTH ANNA
For the period 940316-940726

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	17.5 +- 0.0	2
11.26 - 33.75 NNE	21.1 +- 2.2	2
33.76 - 56.25 NE	17.2 +- 2.3	2
56.26 - 78.75 ENE	22.5 +- 6.5	3
78.76 - 101.25 E	19.0 +- 3.6	2
101.26 - 123.75 ESE	19.9 +- 4.9	2
123.76 - 146.25 SE	19.7 +- 0.7	2
146.26 - 168.75 SSE	21.3 +- 2.9	2
168.76 - 191.25 S	17.1 +- 0.8	2
191.26 - 213.75 SSW	17.6 +- 1.1	2
213.76 - 236.25 SW	20.7 +- 0.1	2
236.26 - 258.75 WSW	19.8 +- 1.4	3
258.76 - 281.25 W	17.3 +- 0.9	2
281.26 - 303.75 WNW	16.9 +- 0.3	2
303.76 - 326.25 NW	21.7 +- 0.7	2
326.26 - 348.75 NNW	17.8 +- 0.9	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	19.5 +- 2.3	15
2 - 5	19.2 +- 3.5	17
> 5	19.0 +- 0.8	2
Upwind Control	17.8 +- 1.4	3

NRC TLD DOSES FOR NORTH ANNA AREA

120

— Water
 — Highways
 --- Roads
 .... Railroads
 * Plant site

Legend

0 2 4
 Miles

OCONEE

TLD Direct Radiation Environmental Monitoring

For the period 940316-940714 121 Days

Field Time: 84 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)	Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	158 7.5	24.2 +- 0.7; 3.6	21.9 +- 0.9; 4.9	22.8 +- 2.3
2	133 4.9	27.0 +- 0.8; 4.1	24.9 +- 0.9; 5.2	25.6 +- 2.2
3	119 4.3	28.7 +- 0.9; 4.3	26.7 +- 1.0; 5.5	24.5 +- 2.0
4	84 4.7	26.4 +- 0.8; 4.0	24.2 +- 0.9; 5.2	24.7 +- 1.7
5	65 4.0	25.5 +- 0.8; 3.8	23.2 +- 0.9; 5.0	23.8 +- 2.7
6	52 1.8	26.1 +- 0.8; 3.9	23.9 +- 0.9; 5.1	24.9 +- 2.2
7	22 3.5	27.1 +- 0.8; 4.1	24.9 +- 0.9; 5.3	25.3 +- 2.1
8	33 1.4	26.1 +- 0.8; 3.9	23.9 +- 0.9; 5.1	24.9 +- 2.7
9	52 1.8	22.2 +- 0.7; 3.3	19.7 +- 0.8; 4.6	19.9 +- 1.8
10	67 1.1	23.3 +- 0.7; 3.5	20.9 +- 0.8; 4.8	17.3 +- 2.4
11	107 1.9	21.7 +- 0.7; 3.3	19.2 +- 0.8; 4.6	19.4 +- 1.9
12	87 1.0	24.9 +- 0.7; 3.7	22.6 +- 0.9; 5.0	22.2 +- 2.2
13	142 0.7	Missing Dosimeter	No Net Data	22.7 +- 1.7
14	166 0.7	19.2 +- 0.6; 2.9	16.5 +- 0.7; 4.3	19.3 +- 2.1
15	226 1.7	24.1 +- 0.7; 3.6	21.7 +- 0.8; 4.9	22.0 +- 2.0
16	207 1.4	23.2 +- 0.7; 3.5	20.8 +- 0.8; 4.8	21.5 +- 1.7
17	182 2.2	20.2 +- 0.6; 3.0	17.6 +- 0.7; 4.4	18.4 +- 1.7
18	186 3.8	21.5 +- 0.6; 3.2	18.9 +- 0.8; 4.5	19.5 +- 1.9
19	155 4.1	25.7 +- 0.8; 3.8	23.4 +- 0.9; 5.1	23.7 +- 0.9
20	203 8.4	21.7 +- 0.6; 3.2	19.1 +- 0.8; 4.6	18.3 +- 2.3
21	210 4.6	21.0 +- 0.6; 3.1	18.4 +- 0.8; 4.5	19.6 +- 2.1
22	227 4.8	22.9 +- 0.7; 3.4	20.5 +- 0.8; 4.7	21.6 +- 2.8
23	240 3.6	21.2 +- 0.6; 3.2	18.6 +- 0.8; 4.5	20.3 +- 2.5
24	268 3.6	26.9 +- 0.8; 4.0	24.8 +- 0.9; 5.2	24.1 +- 1.9
25	257 1.9	20.7 +- 0.6; 3.1	18.1 +- 0.8; 4.4	19.2 +- 2.2
26	293 3.6	25.9 +- 0.8; 3.9	23.7 +- 0.9; 5.1	21.2 +- 2.2
27	311 3.5	20.3 +- 0.6; 3.0	17.7 +- 0.7; 4.4	18.2 +- 1.6
28	288 2.0	22.6 +- 0.7; 3.4	20.1 +- 0.8; 4.7	20.2 +- 2.0
29	275 1.8	20.9 +- 0.6; 3.1	18.3 +- 0.8; 4.5	19.3 +- 1.7
30	321 1.8	24.4 +- 0.7; 3.7	22.0 +- 0.9; 4.9	21.7 +- 2.0
31	344 2.0	19.8 +- 0.6; 3.0	17.1 +- 0.7; 4.3	17.5 +- 2.0
32	336 3.7	28.4 +- 0.9; 4.3	26.4 +- 1.0; 5.4	26.0 +- 2.3
33	358 4.5	22.8 +- 0.7; 3.4	20.3 +- 0.8; 4.7	21.7 +- 2.4
34	256 9.4	29.3 +- 0.9; 4.4	27.3 +- 1.0; 5.6	27.6 +- 2.2
35	149 21.0	24.3 +- 0.7; 3.6	21.9 +- 0.9; 4.9	22.8 +- 2.5
36	126 8.2	25.7 +- 0.8; 3.8	23.4 +- 0.9; 5.1	24.5 +- 2.2
37	96 9.7	27.6 +- 0.8; 4.1	25.5 +- 1.0; 5.3	24.2 +- 1.7
38	32 16.0	31.0 +- 0.9; 4.7	29.2 +- 1.1; 5.8	30.2 +- 3.1
39	31 16.0	27.2 +- 0.8; 4.1	25.1 +- 0.9; 5.3	25.4 +- 3.1
40	29 16.0	28.7 +- 0.9; 4.3	26.6 +- 1.0; 5.5	27.1 +- 1.8

Transit Dose = 3.8 +- 0.3; 2.7

OCONEE

For the period 940316-940714

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	20.3 +- 0.0	1
11.26 - 33.75 NNE	24.4 +- 0.7	2
33.76 - 56.25 NE	21.8 +- 3.0	2
56.26 - 78.75 ENE	22.1 +- 1.6	2
78.76 - 101.25 E	24.1 +- 1.5	3
101.26 - 123.75 ESE	22.9 +- 5.3	2
123.76 - 146.25 SE	24.1 +- 1.0	2
146.26 - 168.75 SSE	20.9 +- 3.0	4
168.76 - 191.25 S	18.2 +- 0.9	2
191.26 - 213.75 SSW	19.4 +- 1.2	3
213.76 - 236.25 SW	21.1 +- 0.9	2
236.26 - 258.75 WSW	21.3 +- 5.2	3
258.76 - 281.25 W	21.6 +- 4.6	2
281.26 - 303.75 WNW	21.9 +- 2.5	2
303.76 - 326.25 NW	19.9 +- 3.1	2
326.26 - 348.75 NNW	21.7 +- 6.5	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	20.4 +- 2.3	14
2 - 5	22.1 +- 3.2	16
> 5	23.2 +- 2.9	6
Upwind Control	27.0 +- 2.1	3

NRC TLD DOSES FOR OCONEE AREA

Miles

Legend

Water

— Highways

--- Railroads

--- Roads

* Plant..site

OYSTER CREEK

TLD Direct Radiation Environmental Monitoring

For the period 940317-940721 127 Days

Field Time: 92 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)		Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	141	0.5	13.6 +- 0.4; 2.0	11.8 +- 0.5; 3.4	11.4 +- 1.2
2	120	0.9	12.6 +- 0.4; 1.9	10.9 +- 0.5; 3.3	11.4 +- 1.5
3	105	1.5	13.5 +- 0.4; 2.0	11.8 +- 0.5; 3.4	12.5 +- 1.3
4	127	1.5	12.7 +- 0.4; 1.9	10.9 +- 0.5; 3.3	11.3 +- 2.9
5	137	1.3	13.8 +- 0.4; 2.1	12.1 +- 0.5; 3.4	11.7 +- 3.1
6	158	1.2	13.1 +- 0.4; 2.0	11.4 +- 0.5; 3.3	11.3 +- 2.7
7	176	2.2	14.0 +- 0.4; 2.1	12.2 +- 0.5; 3.4	11.9 +- 3.0
8	179	1.6	14.0 +- 0.4; 2.1	12.3 +- 0.5; 3.4	11.7 +- 3.0
9	159	2.8	13.1 +- 0.4; 2.0	11.4 +- 0.5; 3.3	10.5 +- 2.7
10	187	8.4	14.3 +- 0.4; 2.1	12.5 +- 0.5; 3.4	11.5 +- 2.9
11	173	4.4	12.5 +- 0.4; 1.9	10.8 +- 0.5; 3.3	11.8 +- 3.0
12	196	4.2	12.4 +- 0.4; 1.9	10.7 +- 0.5; 3.3	12.3 +- 1.7
13	198	8.6	13.2 +- 0.4; 2.0	11.4 +- 0.5; 3.3	10.8 +- 2.6
14	185	10.0	14.7 +- 0.4; 2.2	13.0 +- 0.5; 3.5	13.8 +- 1.7
15	171	11.0	14.1 +- 0.4; 2.1	12.4 +- 0.5; 3.4	11.1 +- 2.8
16	154	8.2	Damaged Dosimeter	No Net Data	11.7 +- 2.9
17	126	6.3	Damaged Dosimeter	No Net Data	12.7 +- 1.7
18	220	4.6	13.4 +- 0.4; 2.0	11.7 +- 0.5; 3.4	10.9 +- 2.8
19	231	2.3	13.9 +- 0.4; 2.1	12.2 +- 0.5; 3.4	11.2 +- 2.6
20	211	1.6	12.8 +- 0.4; 1.9	11.1 +- 0.5; 3.3	10.7 +- 2.5
22	258	1.5	14.2 +- 0.4; 2.1	12.4 +- 0.5; 3.4	11.3 +- 2.8
23	271	1.2	12.2 +- 0.4; 1.8	10.5 +- 0.4; 3.3	11.1 +- 3.1
24	297	1.3	11.9 +- 0.4; 1.8	10.2 +- 0.4; 3.2	11.9 +- 3.3
25	318	1.5	Missing Dosimeter	No Net Data	10.8 +- 2.9
26	341	3.2	15.9 +- 0.5; 2.4	14.1 +- 0.5; 3.6	13.2 +- 1.8
27	330	4.6	13.7 +- 0.4; 2.1	11.9 +- 0.5; 3.4	11.9 +- 3.0
28	358	3.2	12.7 +- 0.4; 1.9	11.0 +- 0.5; 3.3	11.1 +- 2.9
29	4	1.8	13.8 +- 0.4; 2.1	12.0 +- 0.5; 3.4	11.6 +- 2.9
30	19	0.8	13.2 +- 0.4; 2.0	11.5 +- 0.5; 3.3	11.6 +- 1.3
31	69	1.4	16.2 +- 0.5; 2.4	14.4 +- 0.5; 3.6	12.0 +- 3.1
32	78	2.5	12.9 +- 0.4; 1.9	11.1 +- 0.5; 3.3	10.9 +- 1.6
33	85	2.2	11.8 +- 0.4; 1.8	10.1 +- 0.4; 3.2	10.7 +- 2.7
34	38	1.7	12.6 +- 0.4; 1.9	10.9 +- 0.5; 3.3	11.6 +- 1.5
35	24	1.9	14.0 +- 0.4; 2.1	12.2 +- 0.5; 3.4	12.4 +- 3.4
36	50	3.0	13.1 +- 0.4; 2.0	11.3 +- 0.5; 3.3	12.6 +- 2.0
37	46	4.8	11.7 +- 0.3; 1.7	9.9 +- 0.4; 3.2	11.2 +- 1.4
38	27	4.0	13.8 +- 0.4; 2.1	12.0 +- 0.5; 3.4	12.4 +- 3.2
39	12	8.9	13.6 +- 0.4; 2.0	11.9 +- 0.5; 3.4	11.9 +- 2.8
40	10	8.7	12.7 +- 0.4; 1.9	11.0 +- 0.5; 3.3	11.0 +- 2.7
41	3	9.9	14.3 +- 0.4; 2.1	12.5 +- 0.5; 3.4	11.8 +- 3.2
42	38	10.0	13.6 +- 0.4; 2.0	11.9 +- 0.5; 3.4	12.4 +- 1.6
43	46	9.1	15.5 +- 0.5; 2.3	13.7 +- 0.5; 3.6	14.1 +- 3.4
44	73	6.5	13.2 +- 0.4; 2.0	11.5 +- 0.5; 3.4	10.8 +- 2.7
45	79	6.0	14.3 +- 0.4; 2.1	12.6 +- 0.5; 3.4	12.3 +- 3.0
46	278	20.0	14.3 +- 0.4; 2.1	12.5 +- 0.5; 3.4	12.3 +- 2.9
47	278	20.0	14.8 +- 0.4; 2.2	13.0 +- 0.5; 3.5	12.4 +- 2.8

Transit Dose = 1.5 +- 0.3; 2.8

OYSTER CREEK
For the period 940317-940721

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	11.6 +- 0.8	4
11.26 - 33.75 NNE	11.9 +- 0.3	4
33.76 - 56.25 NE	11.5 +- 1.4	5
56.26 - 78.75 ENE	12.3 +- 1.8	3
78.76 - 101.25 E	11.3 +- 1.8	2
101.26 - 123.75 ESE	11.3 +- 0.6	2
123.76 - 146.25 SE	11.6 +- 0.6	3
146.26 - 168.75 SSE	11.4 +- 0.0	2
168.76 - 191.25 S	12.2 +- 0.7	6
191.26 - 213.75 SSW	11.1 +- 0.4	3
213.76 - 236.25 SW	11.9 +- 0.3	2
236.26 - 258.75 WSW	12.4 +- 0.0	1
258.76 - 281.25 W	10.5 +- 0.0	1
281.26 - 303.75 WNW	10.2 +- 0.0	1
303.76 - 326.25 NW	No Data +- No Data	0
326.26 - 348.75 NNW	13.0 +- 1.5	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	11.6 +- 1.0	16
2 - 5	11.5 +- 1.1	14
> 5	12.2 +- 0.8	11
Upwind Control	12.8 +- 0.4	2

NRC TLD DOSES FOR OYSTER CREEK AREA

Miles

Legend

Water

Highways

Railroads

Roads

Plant..site

PALISADES

TLD Direct Radiation Environmental Monitoring

For the period 940315-940721 129 Days

Field Time: 97 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)	Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	195 4.9	18.1 +- 0.5; 2.7	13.6 +- 0.6; 3.8	13.5 +- 1.9
2	173 4.6	16.5 +- 0.5; 2.5	12.1 +- 0.6; 3.7	14.1 +- 2.3
3	156 3.9	Missing Dosimeter	No Net Data	15.2 +- 1.9
4	132 4.6	19.2 +- 0.6; 2.9	14.6 +- 0.6; 3.9	14.2 +- 2.0
5	118 3.3	21.0 +- 0.6; 3.1	16.3 +- 0.7; 4.1	15.1 +- 2.2
6	152 1.8	Missing Dosimeter	No Net Data	13.9 +- 2.1
7	196 2.2	17.5 +- 0.5; 2.6	13.0 +- 0.6; 3.8	13.5 +- 2.0
8	178 1.6	16.9 +- 0.5; 2.5	12.5 +- 0.6; 3.7	14.5 +- 2.2
9	200 0.9	18.3 +- 0.5; 2.7	13.8 +- 0.6; 3.8	14.0 +- 2.1
10	124 1.8	16.1 +- 0.5; 2.4	11.8 +- 0.6; 3.6	14.4 +- 2.7
11	107 1.6	20.3 +- 0.6; 3.1	15.7 +- 0.6; 4.0	14.6 +- 2.0
12	90 1.5	16.2 +- 0.5; 2.4	11.8 +- 0.6; 3.6	13.6 +- 2.2
13	65 1.7	19.0 +- 0.6; 2.9	14.4 +- 0.6; 3.9	14.1 +- 2.1
14	51 1.9	16.2 +- 0.5; 2.4	11.8 +- 0.6; 3.6	13.9 +- 1.9
15	74 3.7	16.8 +- 0.5; 2.5	12.4 +- 0.6; 3.7	13.2 +- 2.4
16	90 3.6	15.6 +- 0.5; 2.3	11.3 +- 0.5; 3.6	13.1 +- 2.3
17	98 10.0	19.7 +- 0.6; 3.0	15.1 +- 0.6; 4.0	15.2 +- 2.0
18	47 4.5	19.6 +- 0.6; 2.9	15.0 +- 0.6; 4.0	15.9 +- 2.0
19	23 1.5	16.9 +- 0.5; 2.5	12.5 +- 0.6; 3.7	13.2 +- 2.5
20	32 4.8	19.9 +- 0.6; 3.0	15.3 +- 0.6; 4.0	15.7 +- 2.4
21	29 7.0	18.1 +- 0.5; 2.7	13.6 +- 0.6; 3.8	14.9 +- 1.8
22	99 15.0	19.0 +- 0.6; 2.8	14.4 +- 0.6; 3.9	15.3 +- 2.1
23	98 18.0	19.8 +- 0.6; 3.0	15.1 +- 0.6; 4.0	15.2 +- 2.0
24	98 18.0	19.9 +- 0.6; 3.0	15.2 +- 0.6; 4.0	15.1 +- 2.2

Transit Dose = 3.5 +- 0.3; 3.1

PALISADES

For the period 940315-940721

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	No Data +- No Data	0
11.26 - 33.75 NNE	13.8 +- 1.4	3
33.76 - 56.25 NE	13.4 +- 2.3	2
56.26 - 78.75 ENE	13.4 +- 1.4	2
78.76 - 101.25 E	12.7 +- 2.0	3
101.26 - 123.75 ESE	16.0 +- 0.4	2
123.76 - 146.25 SE	13.2 +- 2.0	2
146.26 - 168.75 SSE	No Data +- No Data	0
168.76 - 191.25 S	12.3 +- 0.3	2
191.26 - 213.75 SSW	13.5 +- 0.4	3
213.76 - 236.25 SW	No Data +- No Data	0
236.26 - 258.75 WSW	No Data +- No Data	0
258.76 - 281.25 W	No Data +- No Data	0
281.26 - 303.75 WNW	No Data +- No Data	0
303.76 - 326.25 NW	No Data +- No Data	0
326.26 - 348.75 NNW	No Data +- No Data	0

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	13.0 +- 1.4	8
2 - 5	13.7 +- 1.7	9
> 5	14.3 +- 1.0	2
Upwind Control	14.9 +- 0.5	3

NRC TLD DOSES FOR PALISADES AREA

Miles

Legend

Water

--- Railroads

* Plant..site

— Highways

--- Roads

PALO VERDE

TLD Direct Radiation Environmental Monitoring
 For the period 940314-940719 128 Days
 Field Time: 92 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)		Gross Exposure (mR) +-Rdm; Tot.		Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.		Hist. Range Net Exp Rate +-1 Std Dev	
1	74	23.0	23.1	+- 0.7; 3.5	19.5	+- 0.7; 4.4	20.1	+- 1.6
2	92	21.0	22.9	+- 0.7; 3.4	19.3	+- 0.7; 4.4	20.9	+- 2.0
3	89	15.0	24.0	+- 0.7; 3.6	20.4	+- 0.8; 4.5	20.3	+- 1.9
4	103	11.0	23.4	+- 0.7; 3.5	19.8	+- 0.8; 4.5	20.5	+- 1.8
5	140	7.4	26.1	+- 0.8; 3.9	22.4	+- 0.8; 4.8	21.6	+- 1.8
6	142	3.1	23.7	+- 0.7; 3.6	20.1	+- 0.8; 4.5	20.7	+- 1.7
7	162	2.6	23.7	+- 0.7; 3.6	20.1	+- 0.8; 4.5	20.8	+- 1.7
8	168	2.6	24.1	+- 0.7; 3.6	20.5	+- 0.8; 4.5	21.0	+- 1.9
9	193	2.6	25.9	+- 0.8; 3.9	22.3	+- 0.8; 4.8	22.4	+- 1.7
10	215	3.1	25.7	+- 0.8; 3.9	22.1	+- 0.8; 4.7	22.3	+- 1.9
11	200	1.7	25.5	+- 0.8; 3.8	21.9	+- 0.8; 4.7	22.4	+- 1.8
12	214	1.0	25.1	+- 0.8; 3.8	21.5	+- 0.8; 4.7	21.6	+- 1.7
13	242	0.7	26.3	+- 0.8; 3.9	22.7	+- 0.8; 4.8	23.7	+- 2.0
14	263	0.6	24.4	+- 0.7; 3.7	20.8	+- 0.8; 4.6	22.1	+- 1.9
15	295	0.6	24.6	+- 0.7; 3.7	21.0	+- 0.8; 4.6	21.6	+- 1.8
16	325	1.0	24.7	+- 0.7; 3.7	21.1	+- 0.8; 4.6	21.6	+- 1.7
17	347	1.8	27.4	+- 0.8; 4.1	23.8	+- 0.9; 4.9	22.4	+- 1.8
18	0	2.4	26.8	+- 0.8; 4.0	23.1	+- 0.8; 4.9	23.0	+- 1.8
19	18	1.5	Missing Dosimeter		No Net Data		20.5	+- 1.7
20	37	2.0	24.2	+- 0.7; 3.6	20.6	+- 0.8; 4.6	21.5	+- 1.5
21	58	2.3	25.3	+- 0.8; 3.8	21.7	+- 0.8; 4.7	22.6	+- 1.9
22	75	2.8	26.4	+- 0.8; 4.0	22.8	+- 0.8; 4.8	22.9	+- 1.6
23	93	4.4	24.9	+- 0.7; 3.7	21.3	+- 0.8; 4.6	22.1	+- 1.8
24	101	3.3	23.8	+- 0.7; 3.6	20.2	+- 0.8; 4.5	21.9	+- 2.3
25	346	2.9	25.5	+- 0.8; 3.8	21.9	+- 0.8; 4.7	21.8	+- 1.8
26	334	4.3	28.2	+- 0.8; 4.2	24.5	+- 0.9; 5.0	24.4	+- 1.8
27	333	7.9	29.7	+- 0.9; 4.5	26.0	+- 0.9; 5.2	24.7	+- 2.4
28	0	7.0	26.6	+- 0.8; 4.0	23.0	+- 0.8; 4.8	22.8	+- 1.9
29	9	4.2	Missing Dosimeter		No Net Data		23.7	+- 1.9
30	27	3.6	26.3	+- 0.8; 3.9	22.6	+- 0.8; 4.8	23.3	+- 2.0
31	49	3.5	25.7	+- 0.8; 3.9	22.1	+- 0.8; 4.7	23.5	+- 1.8
32	120	3.3	26.1	+- 0.8; 3.9	22.5	+- 0.8; 4.8	24.3	+- 1.9

Transit Dose = 3.1 +- 0.3; 2.9

PALO VERDE
For the period 940314-940719

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	23.1 +- 0.1	2
11.26 - 33.75 NNE	22.6 +- 0.0	1
33.76 - 56.25 NE	21.3 +- 1.1	2
56.26 - 78.75 ENE	22.3 +- 0.7	2
78.76 - 101.25 E	20.7 +- 0.8	2
101.26 - 123.75 ESE	21.2 +- 1.9	2
123.76 - 146.25 SE	21.3 +- 1.6	2
146.26 - 168.75 SSE	20.3 +- 0.3	2
168.76 - 191.25 S	No Data +- No Data	0
191.26 - 213.75 SSW	22.1 +- 0.3	2
213.76 - 236.25 SW	21.8 +- 0.4	2
236.26 - 258.75 WSW	22.7 +- 0.0	1
258.76 - 281.25 W	20.8 +- 0.0	1
281.26 - 303.75 WNW	21.0 +- 0.0	1
303.76 - 326.25 NW	21.1 +- 0.0	1
326.26 - 348.75 NNW	24.0 +- 1.7	4

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	21.7 +- 1.1	8
2 - 5	21.9 +- 1.2	15
> 5	22.8 +- 2.6	4
Upwind Control	19.7 +- 0.6	3

NRC TLD DOSES FOR PALO VERDE AREA

Miles

Legend

- Highways   ..... Railroads   ..... Roads   * Plant..site

PEACH BOTTOM

TLD Direct Radiation Environmental Monitoring

For the period 940314-940714 123 Days

Field Time: 92 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)	Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	330 10.3	20.1 +- 0.6; 3.0	17.8 +- 0.7; 4.0	15.8 +- 1.4
2	33 10.5	20.2 +- 0.6; 3.0	17.8 +- 0.7; 4.0	16.9 +- 1.3
3	21 4.8	19.1 +- 0.6; 2.9	16.9 +- 0.6; 3.9	17.8 +- 1.6
4	3 5.0	18.8 +- 0.6; 2.8	16.6 +- 0.6; 3.9	17.0 +- 1.5
5	344 4.1	19.5 +- 0.6; 2.9	17.3 +- 0.6; 4.0	17.3 +- 1.5
6	1 2.2	21.4 +- 0.6; 3.2	19.1 +- 0.7; 4.2	18.9 +- 1.5
7	26 2.4	20.9 +- 0.6; 3.1	18.6 +- 0.7; 4.1	17.9 +- 1.4
8	55 2.8	20.6 +- 0.6; 3.1	18.3 +- 0.7; 4.1	18.5 +- 1.6
9	42 2.0	20.2 +- 0.6; 3.0	17.8 +- 0.7; 4.0	17.1 +- 1.3
10	62 1.7	21.2 +- 0.6; 3.2	18.8 +- 0.7; 4.2	18.6 +- 2.6
11	96 1.9	20.8 +- 0.6; 3.1	18.5 +- 0.7; 4.1	19.0 +- 1.6
12	105 2.3	15.6 +- 0.5; 2.3	13.4 +- 0.5; 3.6	14.1 +- 1.1
13	72 5.0	19.3 +- 0.6; 2.9	17.0 +- 0.6; 4.0	16.8 +- 1.5
14	85 4.6	21.3 +- 0.6; 3.2	18.9 +- 0.7; 4.2	18.6 +- 1.6
15	109 4.3	21.3 +- 0.6; 3.2	19.0 +- 0.7; 4.2	19.1 +- 1.6
16	130 4.6	16.0 +- 0.5; 2.4	13.7 +- 0.5; 3.6	13.7 +- 1.5
17	157 8.9	16.9 +- 0.5; 2.5	14.7 +- 0.6; 3.7	15.2 +- 1.5
18	163 4.6	19.0 +- 0.6; 2.8	16.7 +- 0.6; 3.9	16.5 +- 1.3
19	183 3.9	21.9 +- 0.7; 3.3	19.6 +- 0.7; 4.2	18.8 +- 1.4
20	201 4.8	21.8 +- 0.7; 3.3	19.5 +- 0.7; 4.2	18.6 +- 1.8
21	196 2.3	21.8 +- 0.7; 3.3	19.4 +- 0.7; 4.2	19.1 +- 1.6
22	182 1.7	21.0 +- 0.6; 3.2	18.7 +- 0.7; 4.1	18.6 +- 1.3
23	157 1.8	23.5 +- 0.7; 3.5	21.1 +- 0.7; 4.4	21.5 +- 1.9
24	219 1.8	23.4 +- 0.7; 3.5	21.0 +- 0.7; 4.4	20.6 +- 1.6
25	249 1.7	23.1 +- 0.7; 3.5	20.7 +- 0.7; 4.4	19.6 +- 1.6
26	269 1.8	23.7 +- 0.7; 3.6	21.4 +- 0.8; 4.4	20.2 +- 1.7
27	286 1.9	19.9 +- 0.6; 3.0	17.6 +- 0.6; 4.0	17.5 +- 1.1
28	323 1.8	18.2 +- 0.5; 2.7	15.9 +- 0.6; 3.8	16.0 +- 1.5
29	286 3.6	24.5 +- 0.7; 3.7	22.1 +- 0.8; 4.5	21.1 +- 1.4
30	262 4.0	23.5 +- 0.7; 3.5	21.1 +- 0.7; 4.4	20.6 +- 1.7
31	261 9.9	23.9 +- 0.7; 3.6	21.5 +- 0.8; 4.5	21.1 +- 1.6
32	247 3.2	21.2 +- 0.6; 3.2	18.9 +- 0.7; 4.2	18.4 +- 1.3
33	235 3.6	16.2 +- 0.5; 2.4	14.0 +- 0.6; 3.6	13.8 +- 1.4
34	319 4.9	21.4 +- 0.6; 3.2	19.1 +- 0.7; 4.2	19.5 +- 1.6
35	149 0.7	19.8 +- 0.6; 3.0	17.5 +- 0.6; 4.0	17.5 +- 1.5
36	147 17.9	15.6 +- 0.5; 2.3	13.4 +- 0.5; 3.6	13.9 +- 1.2
37	147 17.9	16.2 +- 0.5; 2.4	14.0 +- 0.6; 3.6	14.7 +- 1.4
38	147 17.9	16.7 +- 0.5; 2.5	14.5 +- 0.6; 3.7	14.4 +- 1.2

Transit Dose = 1.9 +- 0.3; 2.8

PEACH BOTTOM
For the period 940314-940714

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	17.8 +- 1.8	2
11.26 - 33.75 NNE	17.8 +- 0.9	3
33.76 - 56.25 NE	18.1 +- 0.3	2
56.26 - 78.75 ENE	17.9 +- 1.3	2
78.76 - 101.25 E	18.7 +- 0.3	2
101.26 - 123.75 ESE	16.2 +- 3.9	2
123.76 - 146.25 SE	13.7 +- 0.0	1
146.26 - 168.75 SSE	17.5 +- 2.7	4
168.76 - 191.25 S	19.1 +- 0.6	2
191.26 - 213.75 SSW	19.5 +- 0.1	2
213.76 - 236.25 SW	17.5 +- 5.0	2
236.26 - 258.75 WSW	19.8 +- 1.3	2
258.76 - 281.25 W	21.3 +- 0.2	3
281.26 - 303.75 WNW	19.9 +- 3.2	2
303.76 - 326.25 NW	17.5 +- 2.2	2
326.26 - 348.75 NNW	17.5 +- 0.4	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	19.0 +- 1.8	11
2 - 5	18.0 +- 2.3	20
> 5	18.0 +- 2.8	4
Upwind Control	14.0 +- 0.5	3

Response	Percentage
Serious problem	2.2
Not a serious problem	1.8

Legend

- Legend**
Water	Railroads	Plant..site
Highways	Roads	

PERRY

TLD Direct Radiation Environmental Monitoring

For the period 940315-940714 122 Days

Field Time: 86 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)		Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	72	5.0	17.6 +- 0.5; 2.6	15.9 +- 0.6; 3.9	16.1 +- 2.1
3	88	5.5	18.3 +- 0.6; 2.8	16.7 +- 0.6; 4.0	16.1 +- 2.0
4	112	6.0	19.5 +- 0.6; 2.9	17.9 +- 0.7; 4.2	17.0 +- 2.2
5	130	4.0	19.5 +- 0.6; 2.9	18.0 +- 0.7; 4.2	16.8 +- 2.4
6	155	5.0	21.2 +- 0.6; 3.2	19.7 +- 0.7; 4.4	19.8 +- 1.6
7	178	5.2	19.8 +- 0.6; 3.0	18.3 +- 0.7; 4.2	17.6 +- 1.9
8	205	4.6	20.0 +- 0.6; 3.0	18.5 +- 0.7; 4.2	17.4 +- 3.5
9	220	5.2	18.3 +- 0.5; 2.7	16.7 +- 0.6; 4.0	16.2 +- 2.0
10	225	7.4	17.1 +- 0.5; 2.6	15.4 +- 0.6; 3.9	17.6 +- 2.0
11	240	5.8	20.1 +- 0.6; 3.0	18.6 +- 0.7; 4.2	18.8 +- 2.1
12	225	19.0	18.7 +- 0.6; 2.8	17.2 +- 0.7; 4.1	16.5 +- 2.4
13	225	19.0	17.5 +- 0.5; 2.6	15.8 +- 0.6; 3.9	15.9 +- 2.3
14	212	12.0	24.6 +- 0.7; 3.7	23.3 +- 0.8; 4.8	21.9 +- 2.3
15	248	1.4	16.9 +- 0.5; 2.5	15.3 +- 0.6; 3.9	16.0 +- 2.2
16	225	0.8	16.8 +- 0.5; 2.5	15.2 +- 0.6; 3.9	16.1 +- 3.2
17	205	0.7	16.3 +- 0.5; 2.4	14.6 +- 0.6; 3.8	14.2 +- 2.0
18	180	0.8	18.1 +- 0.5; 2.7	16.5 +- 0.6; 4.0	15.5 +- 2.3
19	152	1.8	16.7 +- 0.5; 2.5	15.0 +- 0.6; 3.8	16.3 +- 2.3
20	123	1.6	15.4 +- 0.5; 2.3	13.7 +- 0.6; 3.7	14.4 +- 2.1
21	105	1.4	17.4 +- 0.5; 2.6	15.8 +- 0.6; 3.9	14.9 +- 2.1
22	85	1.2	16.9 +- 0.5; 2.5	15.2 +- 0.6; 3.9	16.5 +- 3.2
23	65	1.4	17.1 +- 0.5; 2.6	15.4 +- 0.6; 3.9	16.3 +- 2.3
24	40	0.6	17.5 +- 0.5; 2.6	15.9 +- 0.6; 3.9	15.5 +- 2.2
25	40	0.6	22.0 +- 0.7; 3.3	20.5 +- 0.8; 4.4	17.9 +- 3.8
26	182	2.8	18.0 +- 0.5; 2.7	16.4 +- 0.6; 4.0	16.7 +- 3.2
27	175	2.8	16.2 +- 0.5; 2.4	14.4 +- 0.6; 3.8	16.8 +- 3.3

Transit Dose = 2.4 +- 0.3; 2.7

PERRY

For the period 940315-940714

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	No Data +- No Data	0
11.26 - 33.75 NNE	No Data +- No Data	0
33.76 - 56.25 NE	18.2 +- 3.3	2
56.26 - 78.75 ENE	15.7 +- 0.4	2
78.76 - 101.25 E	16.0 +- 1.1	2
101.26 - 123.75 ESE	15.8 +- 2.1	3
123.76 - 146.25 SE	18.0 +- 0.0	1
146.26 - 168.75 SSE	17.4 +- 3.3	2
168.76 - 191.25 S	16.4 +- 1.6	4
191.26 - 213.75 SSW	16.5 +- 2.8	2
213.76 - 236.25 SW	15.8 +- 0.8	3
236.26 - 258.75 WSW	16.9 +- 2.3	2
258.76 - 281.25 W	No Data +- No Data	0
281.26 - 303.75 WNW	No Data +- No Data	0
303.76 - 326.25 NW	No Data +- No Data	0
326.26 - 348.75 NNW	No Data +- No Data	0

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	15.7 +- 1.7	11
2 - 5	17.2 +- 1.9	6
> 5	17.3 +- 1.2	6
Upwind Control	18.8 +- 4.0	3

NRC TLD DOSES FOR PERRY AREA

PILGRIM**TLD Direct Radiation Environmental Monitoring****For the period 940317-940726 132 Days****Field Time: 91 Days**

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)	Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	288 0.1	106.4 +- 3.2; 16.0	96.0 +- 3.2; 16.2	46.0 +-30.1
2	310 0.2	25.6 +- 0.8; 3.8	16.1 +- 0.9; 5.1	16.8 +- 2.7
5	289 0.7	26.0 +- 0.8; 3.9	16.5 +- 0.9; 5.2	16.2 +- 2.1
6	261 1.7	23.5 +- 0.7; 3.5	14.0 +- 0.9; 4.9	14.5 +- 1.7
7	270 0.5	27.1 +- 0.8; 4.1	17.5 +- 0.9; 5.3	18.4 +- 2.4
8	247 0.3	26.3 +- 0.8; 3.9	16.8 +- 0.9; 5.2	16.5 +- 1.7
9	224 0.3	25.8 +- 0.8; 3.9	16.3 +- 0.9; 5.2	15.0 +- 2.2
10	205 0.3	29.0 +- 0.9; 4.4	19.5 +- 1.0; 5.5	16.4 +- 3.4
11	184 0.3	29.7 +- 0.9; 4.5	20.1 +- 1.0; 5.6	17.9 +- 3.4
12	159 0.4	24.3 +- 0.7; 3.7	14.8 +- 0.9; 5.0	16.0 +- 2.4
13	146 0.7	20.8 +- 0.6; 3.1	11.3 +- 0.8; 4.6	13.4 +- 1.6
14	155 1.0	24.4 +- 0.7; 3.7	14.8 +- 0.9; 5.0	15.0 +- 2.5
16	136 1.3	21.4 +- 0.6; 3.2	11.9 +- 0.8; 4.7	13.7 +- 1.5
18	212 0.8	21.9 +- 0.7; 3.3	12.4 +- 0.8; 4.7	14.0 +- 4.4
19	232 1.0	22.3 +- 0.7; 3.3	12.8 +- 0.8; 4.8	13.6 +- 1.6
21	256 1.6	21.2 +- 0.6; 3.2	11.7 +- 0.8; 4.7	13.3 +- 2.6
22	130 2.5	21.6 +- 0.6; 3.2	12.1 +- 0.8; 4.7	13.9 +- 1.9
23	146 3.4	22.7 +- 0.7; 3.4	13.2 +- 0.8; 4.8	13.3 +- 2.1
25	168 1.5	23.1 +- 0.7; 3.5	13.6 +- 0.8; 4.9	14.1 +- 1.8
26	180 1.3	20.5 +- 0.6; 3.1	11.0 +- 0.8; 4.6	12.2 +- 1.8
27	231 1.8	21.0 +- 0.6; 3.1	11.5 +- 0.8; 4.6	13.5 +- 1.8
30	153 2.2	25.9 +- 0.8; 3.9	16.3 +- 0.9; 5.2	16.1 +- 1.6
31	179 2.5	22.4 +- 0.7; 3.4	12.9 +- 0.8; 4.8	12.9 +- 1.8
32	217 2.6	20.6 +- 0.6; 3.1	11.2 +- 0.8; 4.6	12.2 +- 2.0
33	234 2.5	20.7 +- 0.6; 3.1	11.2 +- 0.8; 4.6	13.7 +- 2.2
34	320 7.5	17.7 +- 0.5; 2.7	8.2 +- 0.7; 4.3	12.1 +- 0.0
35	318 7.0	17.0 +- 0.5; 2.6	7.6 +- 0.7; 4.3	11.3 +- 0.0
37	264 4.2	23.0 +- 0.7; 3.4	13.5 +- 0.8; 4.9	14.4 +- 1.8
38	152 3.5	20.5 +- 0.6; 3.1	11.0 +- 0.8; 4.6	12.9 +- 2.3
39	155 5.3	20.6 +- 0.6; 3.1	11.2 +- 0.8; 4.6	11.8 +- 1.4
40	272 4.6	23.7 +- 0.7; 3.6	14.2 +- 0.9; 4.9	15.0 +- 1.8
42	281 4.6	22.9 +- 0.7; 3.4	13.4 +- 0.8; 4.8	13.2 +- 1.9
43	291 5.8	24.3 +- 0.7; 3.6	14.8 +- 0.9; 5.0	15.8 +- 1.8
45	197 6.0	21.5 +- 0.6; 3.2	12.0 +- 0.8; 4.7	12.6 +- 2.5
47	301 26.0	26.4 +- 0.8; 4.0	16.8 +- 0.9; 5.2	15.0 +- 1.8
48	301 26.0	27.5 +- 0.8; 4.1	18.0 +- 1.0; 5.3	15.7 +- 2.2
49	301 26.0	24.4 +- 0.7; 3.7	14.9 +- 0.9; 5.0	14.5 +- 1.8

Transit Dose = 9.4 +- 0.5; 3.5

The majority of Pilgrim TLDs were annealed on March 17 and placed on April 7, 1994. TLD numbers 34 and 35 were annealed on April 15 and placed on April 20, 1994. All TLDs were retrieved on July 6, 1994.

PILGRIM

For the period 940317-940726

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	No Data +- No Data	0
11.26 - 33.75 NNE	No Data +- No Data	0
33.76 - 56.25 NE	No Data +- No Data	0
56.26 - 78.75 ENE	No Data +- No Data	0
78.76 - 101.25 E	No Data +- No Data	0
101.26 - 123.75 ESE	No Data +- No Data	0
123.76 - 146.25 SE	12.1 +- 0.8	4
146.26 - 168.75 SSE	13.6 +- 2.2	6
168.76 - 191.25 S	14.7 +- 4.8	3
191.26 - 213.75 SSW	14.6 +- 4.2	3
213.76 - 236.25 SW	12.6 +- 2.2	5
236.26 - 258.75 WSW	14.2 +- 3.6	2
258.76 - 281.25 W	14.5 +- 1.7	5
281.26 - 303.75 WNW	42.4 +- 46.4	3
303.76 - 326.25 NW	10.6 +- 4.7	3
326.26 - 348.75 NNW	No Data +- No Data	0

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	18.9 +- 18.9	19
2 - 5	12.9 +- 1.6	10
> 5	10.8 +- 2.9	5
Upwind Control	16.6 +- 1.6	3

NRC TLD DOSES FOR PILGRIM AREA

Miles

Legend

Water

Highways

Railroads

Roads

Plant..site

PRAIRIE ISLAND

TLD Direct Radiation Environmental Monitoring

For the period 940315-940721 129 Days

Field Time: 94 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)		Gross Exposure (mR) +-Rdm; Tot.		Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.		Hist. Range Net Exp Rate +-1 Std Dev	
1	312	16.5	19.6	+- 0.6; 2.9	15.3	+- 0.6; 4.0	17.5	+- 2.3
2	310	15.0	19.4	+- 0.6; 2.9	15.1	+- 0.6; 4.0	16.9	+- 2.1
3	310	15.0	20.1	+- 0.6; 3.0	15.8	+- 0.7; 4.1	16.9	+- 2.3
4	308	5.5	21.3	+- 0.6; 3.2	17.0	+- 0.7; 4.2	17.5	+- 1.9
5	297	4.1	19.6	+- 0.6; 2.9	15.4	+- 0.7; 4.0	16.1	+- 1.9
6	287	1.3	18.2	+- 0.5; 2.7	14.0	+- 0.6; 3.9	16.6	+- 2.2
7	313	0.8	19.0	+- 0.6; 2.8	14.8	+- 0.6; 4.0	15.0	+- 1.8
8	244	0.5	20.1	+- 0.6; 3.0	15.8	+- 0.7; 4.1	16.3	+- 1.9
9	194	0.6	20.8	+- 0.6; 3.1	16.5	+- 0.7; 4.1	16.7	+- 1.6
10	155	0.5	21.1	+- 0.6; 3.2	16.8	+- 0.7; 4.2	17.3	+- 1.8
11	129	1.6	20.0	+- 0.6; 3.0	15.7	+- 0.7; 4.1	15.6	+- 1.7
12	153	1.4	19.5	+- 0.6; 2.9	15.2	+- 0.6; 4.0	16.3	+- 1.5
13	217	0.6	21.0	+- 0.6; 3.2	16.7	+- 0.7; 4.2	16.7	+- 1.8
14	178	0.8	20.8	+- 0.6; 3.1	16.5	+- 0.7; 4.2	16.6	+- 1.8
15	272	1.9	Missing Dosimeter		No Net Data		15.7	+- 1.8
16	262	4.6	22.0	+- 0.7; 3.3	17.6	+- 0.7; 4.3	17.8	+- 2.4
17	250	4.3	21.6	+- 0.6; 3.2	17.3	+- 0.7; 4.2	17.4	+- 1.9
18	225	4.1	24.3	+- 0.7; 3.6	19.9	+- 0.8; 4.5	17.7	+- 3.1
19	233	6.7	Missing Dosimeter		No Net Data		15.5	+- 2.0
20	200	4.9	22.7	+- 0.7; 3.4	18.3	+- 0.7; 4.4	18.6	+- 2.1
21	187	4.7	24.7	+- 0.7; 3.7	20.2	+- 0.8; 4.6	19.1	+- 2.2
22	160	4.4	22.0	+- 0.7; 3.3	17.6	+- 0.7; 4.3	17.4	+- 2.1
23	140	4.7	22.6	+- 0.7; 3.4	18.2	+- 0.7; 4.3	18.1	+- 2.0
24	131	6.6	21.9	+- 0.7; 3.3	17.5	+- 0.7; 4.3	17.4	+- 1.9
25	117	4.9	20.8	+- 0.6; 3.1	16.5	+- 0.7; 4.2	16.3	+- 1.9
26	88	1.9	20.3	+- 0.6; 3.0	16.0	+- 0.7; 4.1	16.7	+- 1.8
27	69	1.8	20.5	+- 0.6; 3.1	16.2	+- 0.7; 4.1	16.7	+- 2.2
28	47	1.6	21.6	+- 0.6; 3.2	17.3	+- 0.7; 4.2	17.0	+- 2.2
29	19	1.5	20.5	+- 0.6; 3.1	16.2	+- 0.7; 4.1	15.8	+- 2.0
30	356	1.9	20.6	+- 0.6; 3.1	16.3	+- 0.7; 4.1	16.2	+- 2.2
31	346	2.4	22.3	+- 0.7; 3.3	17.9	+- 0.7; 4.3	18.3	+- 2.0
32	340	3.8	23.4	+- 0.7; 3.5	19.0	+- 0.7; 4.4	19.1	+- 2.1
33	8	4.6	24.3	+- 0.7; 3.6	19.9	+- 0.8; 4.5	19.1	+- 2.0
34	17	4.7	24.0	+- 0.7; 3.6	19.6	+- 0.8; 4.5	18.9	+- 2.2
35	45	11.0	20.9	+- 0.6; 3.1	16.6	+- 0.7; 4.2	16.9	+- 1.8
36	48	4.7	23.7	+- 0.7; 3.5	19.2	+- 0.8; 4.5	18.7	+- 2.0
37	61	4.2	23.7	+- 0.7; 3.6	19.3	+- 0.8; 4.5	18.9	+- 1.9
38	86	4.9	22.2	+- 0.7; 3.3	17.9	+- 0.7; 4.3	18.6	+- 2.1
39	107	9.1	19.7	+- 0.6; 3.0	15.5	+- 0.7; 4.0	16.5	+- 1.9
40	111	3.7	19.9	+- 0.6; 3.0	15.6	+- 0.7; 4.1	16.4	+- 1.9

Transit Dose = 3.6 +- 0.3; 3.0

PRAIRIE ISLAND
For the period 940315-940721

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	18.1 +- 2.5	2
11.26 - 33.75 NNE	17.9 +- 2.4	2
33.76 - 56.25 NE	17.7 +- 1.4	3
56.26 - 78.75 ENE	17.8 +- 2.2	2
78.76 - 101.25 E	17.0 +- 1.3	2
101.26 - 123.75 ESE	15.9 +- 0.5	3
123.76 - 146.25 SE	17.2 +- 1.3	3
146.26 - 168.75 SSE	16.5 +- 1.2	3
168.76 - 191.25 S	18.4 +- 2.6	2
191.26 - 213.75 SSW	17.4 +- 1.3	2
213.76 - 236.25 SW	18.3 +- 2.3	2
236.26 - 258.75 WSW	16.6 +- 1.0	2
258.76 - 281.25 W	17.6 +- 0.0	1
281.26 - 303.75 WNW	14.7 +- 1.0	2
303.76 - 326.25 NW	15.9 +- 1.5	2
326.26 - 348.75 NNW	18.5 +- 0.8	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	16.0 +- 0.9	14
2 - 5	18.2 +- 1.5	17
> 5	16.6 +- 0.9	4
Upwind Control	15.4 +- 0.3	3

NRC TLD DOSES FOR PRAIRIE ISLAND AREA

Miles

Legend

Water

Highways

Railroads

Roads

Plant..site

QUAD CITIES

TLD Direct Radiation Environmental Monitoring

For the period 940315-940726 134 Days

Field Time: 93 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)	Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev	
1	3	0.7	16.9 +- 0.5; 2.5	14.3 +- 0.6; 3.7	14.9 +- 1.6
2	16	1.2	20.0 +- 0.6; 3.0	17.3 +- 0.6; 4.0	17.4 +- 2.2
3	35	1.7	17.8 +- 0.5; 2.7	15.1 +- 0.6; 3.8	15.0 +- 1.6
4	45	1.1	18.5 +- 0.6; 2.8	15.9 +- 0.6; 3.9	15.8 +- 1.5
5	90	0.8	18.8 +- 0.6; 2.8	16.2 +- 0.6; 3.9	15.6 +- 1.7
6	138	1.1	19.6 +- 0.6; 2.9	17.0 +- 0.6; 4.0	16.2 +- 1.7
7	175	1.8	18.9 +- 0.6; 2.8	16.3 +- 0.6; 3.9	16.3 +- 1.8
8	165	2.0	19.5 +- 0.6; 2.9	16.8 +- 0.6; 4.0	16.4 +- 1.5
9	186	3.1	19.3 +- 0.6; 2.9	16.7 +- 0.6; 3.9	15.9 +- 1.5
10	188	7.7	15.1 +- 0.5; 2.3	12.6 +- 0.5; 3.5	16.0 +- 4.6
11	156	4.2	20.4 +- 0.6; 3.1	17.7 +- 0.7; 4.1	16.8 +- 1.7
12	142	4.8	20.7 +- 0.6; 3.1	18.0 +- 0.7; 4.1	16.5 +- 1.9
13	123	3.3	20.6 +- 0.6; 3.1	17.9 +- 0.7; 4.1	16.2 +- 1.7
14	122	2.0	17.5 +- 0.5; 2.6	14.9 +- 0.6; 3.8	14.9 +- 1.8
15	86	2.8	21.0 +- 0.6; 3.1	18.2 +- 0.7; 4.1	17.2 +- 1.6
16	57	4.4	22.9 +- 0.7; 3.4	20.2 +- 0.7; 4.3	19.0 +- 1.7
17	48	6.1	Missing Dosimeter	No Net Data	16.5 +- 1.6
18	39	9.4	Damaged Dosimeter	No Net Data	15.7 +- 1.3
19	34	4.7	18.6 +- 0.6; 2.8	16.0 +- 0.6; 3.9	15.5 +- 1.6
20	16	4.3	20.3 +- 0.6; 3.0	17.6 +- 0.7; 4.0	16.6 +- 1.8
21	352	4.2	19.6 +- 0.6; 2.9	17.0 +- 0.6; 4.0	18.6 +- 2.9
22	328	4.1	21.8 +- 0.7; 3.3	19.1 +- 0.7; 4.2	18.5 +- 1.8
23	337	5.7	20.2 +- 0.6; 3.0	17.5 +- 0.7; 4.0	17.0 +- 1.7
24	310	4.4	21.0 +- 0.6; 3.1	18.3 +- 0.7; 4.1	18.3 +- 1.9
25	295	4.1	20.0 +- 0.6; 3.0	17.3 +- 0.6; 4.0	16.3 +- 1.8
26	278	6.9	17.1 +- 0.5; 2.6	14.5 +- 0.6; 3.7	14.4 +- 1.7
27	260	4.3	20.2 +- 0.6; 3.0	17.5 +- 0.7; 4.0	16.2 +- 1.9
28	253	4.0	19.8 +- 0.6; 3.0	17.1 +- 0.6; 4.0	16.7 +- 1.8
29	352	2.8	21.2 +- 0.6; 3.2	18.5 +- 0.7; 4.1	17.4 +- 1.8
30	335	1.9	21.6 +- 0.6; 3.2	18.8 +- 0.7; 4.2	17.1 +- 1.7
31	305	2.6	19.1 +- 0.6; 2.9	16.4 +- 0.6; 3.9	17.2 +- 2.2
32	285	2.5	17.6 +- 0.5; 2.6	15.0 +- 0.6; 3.8	15.1 +- 2.4
33	257	2.0	19.2 +- 0.6; 2.9	16.5 +- 0.6; 3.9	16.6 +- 2.2
34	248	2.2	19.2 +- 0.6; 2.9	16.6 +- 0.6; 3.9	16.7 +- 1.6
35	229	2.6	18.8 +- 0.6; 2.8	16.2 +- 0.6; 3.9	15.8 +- 1.7
36	204	3.4	18.6 +- 0.6; 2.8	16.0 +- 0.6; 3.9	16.3 +- 2.4
37	194	9.3	Missing Dosimeter	No Net Data	16.6 +- 3.2
38	224	4.9	20.3 +- 0.6; 3.0	17.6 +- 0.7; 4.0	17.4 +- 2.0
39	301	14.0	19.1 +- 0.6; 2.9	16.5 +- 0.6; 3.9	15.6 +- 1.7
40	301	14.0	17.5 +- 0.5; 2.6	14.9 +- 0.6; 3.8	15.4 +- 1.9
41	301	14.0	17.4 +- 0.5; 2.6	14.8 +- 0.6; 3.8	14.9 +- 1.8

Transit Dose = 2.1 +- 0.3; 2.9

QUAD CITIES

For the period 940315-940726

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	16.6 +- 2.1	3
11.26 - 33.75 NNE	17.5 +- 0.2	2
33.76 - 56.25 NE	15.7 +- 0.5	3
56.26 - 78.75 ENE	20.2 +- 0.0	1
78.76 - 101.25 E	17.2 +- 1.5	2
101.26 - 123.75 ESE	16.4 +- 2.1	2
123.76 - 146.25 SE	17.5 +- 0.7	2
146.26 - 168.75 SSE	17.2 +- 0.6	2
168.76 - 191.25 S	15.2 +- 2.2	3
191.26 - 213.75 SSW	16.0 +- 0.0	1
213.76 - 236.25 SW	16.9 +- 1.0	2
236.26 - 258.75 WSW	16.7 +- 0.3	3
258.76 - 281.25 W	16.0 +- 2.1	2
281.26 - 303.75 WNW	16.1 +- 1.6	2
303.76 - 326.25 NW	17.3 +- 1.3	2
326.26 - 348.75 NNW	18.5 +- 0.8	3

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	16.3 +- 1.3	11
2 - 5	17.4 +- 1.2	21
> 5	14.9 +- 2.5	3
Upwind Control	15.4 +- 1.0	3

NRC TLD DOSES FOR QUAD CITIES AREA

Miles

Legend

Water

--- Railroads

Plant site

— Highways

--- Roads

RANCHO SECO

TLD Direct Radiation Environmental Monitoring

For the period 940314-940803 143 Days

Field Time: 98 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)		Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	288	16.0	21.2 +- 0.6; 3.2	14.1 +- 0.7; 4.2	16.4 +- 2.9
2	239	12.0	21.9 +- 0.7; 3.3	14.7 +- 0.7; 4.3	17.7 +- 1.9
3	213	16.0	24.6 +- 0.7; 3.7	17.2 +- 0.8; 4.6	18.9 +- 1.8
4	149	9.9	22.7 +- 0.7; 3.4	15.4 +- 0.7; 4.4	16.9 +- 2.5
5	108	8.2	28.9 +- 0.9; 4.3	21.1 +- 0.9; 5.0	22.7 +- 2.1
6	86	10.0	20.2 +- 0.6; 3.0	13.1 +- 0.7; 4.1	14.8 +- 2.1
7	83	9.7	19.9 +- 0.6; 3.0	12.9 +- 0.7; 4.1	14.7 +- 1.6
8	37	7.1	20.7 +- 0.6; 3.1	13.6 +- 0.7; 4.2	15.0 +- 1.8
9	65	0.8	22.3 +- 0.7; 3.3	15.0 +- 0.7; 4.3	16.0 +- 1.9
10	43	0.7	Missing Dosimeter	No Net Data	17.0 +- 2.3
11	92	0.2	19.8 +- 0.6; 3.0	12.8 +- 0.7; 4.1	15.5 +- 2.0
12	131	1.6	20.3 +- 0.6; 3.0	13.2 +- 0.7; 4.2	14.6 +- 1.6
13	358	0.6	25.4 +- 0.8; 3.8	17.9 +- 0.8; 4.7	17.5 +- 1.9
14	323	0.7	22.5 +- 0.7; 3.4	15.3 +- 0.7; 4.4	16.3 +- 1.7
15	151	0.7	21.0 +- 0.6; 3.1	13.8 +- 0.7; 4.2	15.5 +- 1.8
16	219	0.9	22.7 +- 0.7; 3.4	15.4 +- 0.7; 4.4	16.4 +- 1.8
17	245	1.5	22.9 +- 0.7; 3.4	15.6 +- 0.7; 4.4	15.5 +- 1.7
18	254	2.3	21.0 +- 0.6; 3.1	13.8 +- 0.7; 4.2	15.1 +- 1.4
19	323	7.0	21.7 +- 0.7; 3.3	14.5 +- 0.7; 4.3	16.8 +- 2.0
20	309	6.3	23.3 +- 0.7; 3.5	16.0 +- 0.7; 4.4	17.2 +- 2.0
21	279	5.7	Missing Dosimeter	No Net Data	16.2 +- 1.9
22	244	6.4	23.0 +- 0.7; 3.5	15.7 +- 0.7; 4.4	17.4 +- 1.6
23	217	4.6	23.2 +- 0.7; 3.5	15.9 +- 0.7; 4.4	16.4 +- 1.7
24	350	11.0	22.3 +- 0.7; 3.3	15.0 +- 0.7; 4.3	16.5 +- 1.7
25	318	17.0	21.9 +- 0.7; 3.3	14.7 +- 0.7; 4.3	17.1 +- 1.8
26	311	22.0	Missing Dosimeter	No Net Data	17.3 +- 1.8
27	306	27.0	21.2 +- 0.6; 3.2	14.1 +- 0.7; 4.2	15.7 +- 1.8
28	306	27.0	21.7 +- 0.7; 3.3	14.5 +- 0.7; 4.3	15.8 +- 1.4
29	306	27.0	22.4 +- 0.7; 3.4	15.2 +- 0.7; 4.4	16.0 +- 2.5
30	306	27.0	22.2 +- 0.7; 3.3	15.0 +- 0.7; 4.3	15.5 +- 1.9

Transit Dose = 5.9 +- 0.4; 3.3

RANCHO SECO

For the period 940314-940803

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	16.4 +- 2.0	2
11.26 - 33.75 NNE	No Data +- No Data	0
33.76 - 56.25 NE	13.6 +- 0.0	1
56.26 - 78.75 ENE	15.0 +- 0.0	1
78.76 - 101.25 E	12.9 +- 0.2	3
101.26 - 123.75 ESE	21.1 +- 0.0	1
123.76 - 146.25 SE	13.2 +- 0.0	1
146.26 - 168.75 SSE	14.6 +- 1.1	2
168.76 - 191.25 S	No Data +- No Data	0
191.26 - 213.75 SSW	17.2 +- 0.0	1
213.76 - 236.25 SW	15.6 +- 0.3	2
236.26 - 258.75 WSW	15.0 +- 0.9	4
258.76 - 281.25 W	No Data +- No Data	0
281.26 - 303.75 WNW	14.1 +- 0.0	1
303.76 - 326.25 NW	15.1 +- 0.5	6
326.26 - 348.75 NNW	No Data +- No Data	0

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	14.9 +- 1.6	8
2 - 5	14.8 +- 1.5	2
> 5	15.2 +- 2.0	15
Upwind Control	14.3 +- 0.3	2

NRC TLD DOSES FOR RANCHO SECO AREA

Miles

Legend

Water

Highways

Railroads

Roads

Plant..site

RIVER BEND

TLD Direct Radiation Environmental Monitoring

For the period 940315-940714 122 Days

Field Time: 85 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)		Gross Exposure (mR) +-Rdm; Tot.		Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.		Hist. Range Net Exp Rate +-1 Std Dev	
1	348	1.3	17.6	+- 0.5; 2.6	15.6	+- 0.6; 4.0	18.0	+- 2.1
2	42	1.1	18.2	+- 0.5; 2.7	16.3	+- 0.7; 4.1	18.3	+- 2.2
3	61	1.1	19.5	+- 0.6; 2.9	17.6	+- 0.7; 4.2	19.2	+- 2.1
4	90	0.8	17.8	+- 0.5; 2.7	15.8	+- 0.6; 4.0	18.2	+- 2.0
5	107	0.6	19.5	+- 0.6; 2.9	17.6	+- 0.7; 4.2	19.0	+- 1.8
6	136	0.8	19.5	+- 0.6; 2.9	17.6	+- 0.7; 4.2	19.3	+- 2.3
7	166	1.0	17.5	+- 0.5; 2.6	15.6	+- 0.6; 4.0	16.2	+- 1.7
8	182	0.9	17.9	+- 0.5; 2.7	15.9	+- 0.6; 4.0	17.3	+- 2.2
9	195	0.6	18.2	+- 0.5; 2.7	16.3	+- 0.7; 4.1	17.1	+- 2.0
10	225	0.7	17.6	+- 0.5; 2.6	15.6	+- 0.6; 4.0	17.7	+- 2.1
11	254	0.4	16.5	+- 0.5; 2.5	14.5	+- 0.6; 3.9	17.5	+- 2.3
12	276	0.6	20.4	+- 0.6; 3.1	18.6	+- 0.7; 4.3	18.6	+- 1.8
13	295	0.6	19.2	+- 0.6; 2.9	17.3	+- 0.7; 4.2	19.3	+- 1.9
14	320	0.9	16.8	+- 0.5; 2.5	14.8	+- 0.6; 3.9	18.1	+- 2.2
15	332	2.1	18.8	+- 0.6; 2.8	16.9	+- 0.7; 4.1	19.0	+- 2.0
16	312	2.7	17.6	+- 0.5; 2.6	15.6	+- 0.6; 4.0	18.0	+- 2.7
17	302	3.1	16.6	+- 0.5; 2.5	14.5	+- 0.6; 3.9	16.2	+- 2.1
18	278	3.8	16.9	+- 0.5; 2.5	14.9	+- 0.6; 3.9	15.5	+- 2.5
19	242	2.8	19.0	+- 0.6; 2.9	17.1	+- 0.7; 4.2	19.8	+- 2.3
20	195	5.4	16.6	+- 0.5; 2.5	14.6	+- 0.6; 3.9	17.9	+- 2.5
21	215	3.0	18.8	+- 0.6; 2.8	16.8	+- 0.7; 4.1	18.5	+- 2.2
22	233	7.1	15.9	+- 0.5; 2.4	13.8	+- 0.6; 3.8	15.3	+- 2.5
23	246	9.7	18.5	+- 0.6; 2.8	16.6	+- 0.7; 4.1	18.0	+- 2.1
24	234	7.3	16.2	+- 0.5; 2.4	14.2	+- 0.6; 3.8	16.1	+- 2.4
25	185	7.6	18.7	+- 0.6; 2.8	16.8	+- 0.7; 4.1	18.4	+- 2.4
26	322	7.7	17.3	+- 0.5; 2.6	15.3	+- 0.6; 4.0	17.4	+- 2.5
27	328	10.0	19.4	+- 0.6; 2.9	17.5	+- 0.7; 4.2	18.9	+- 2.0
28	340	7.2	18.8	+- 0.6; 2.8	16.9	+- 0.7; 4.1	18.5	+- 1.9
29	354	9.5	Damaged Dosimeter		No Net Data		17.5	+- 2.1
30	360	5.1	19.6	+- 0.6; 2.9	17.8	+- 0.7; 4.2	19.0	+- 2.2
31	221	6.9	18.7	+- 0.6; 2.8	16.8	+- 0.7; 4.1	18.8	+- 1.9
32	40	4.9	18.3	+- 0.5; 2.7	16.3	+- 0.7; 4.1	18.0	+- 2.2
33	52	8.7	Missing Dosimeter		No Net Data		15.5	+- 1.8
34	65	8.4	17.3	+- 0.5; 2.6	15.4	+- 0.6; 4.0	17.3	+- 2.1
35	87	6.6	16.3	+- 0.5; 2.4	14.2	+- 0.6; 3.8	16.0	+- 2.0
36	326	5.8	18.0	+- 0.5; 2.7	16.1	+- 0.7; 4.0	18.4	+- 2.4
37	329	22.0	17.7	+- 0.5; 2.6	15.7	+- 0.6; 4.0	17.8	+- 2.0
38	111	3.8	18.0	+- 0.5; 2.7	16.1	+- 0.7; 4.0	17.1	+- 2.3
39	131	5.6	18.4	+- 0.6; 2.8	16.4	+- 0.7; 4.1	17.7	+- 2.2
40	155	6.2	19.5	+- 0.6; 2.9	17.7	+- 0.7; 4.2	18.5	+- 2.3
41	120	9.0	18.7	+- 0.6; 2.8	16.8	+- 0.7; 4.1	17.4	+- 1.7
42	121	11.0	17.1	+- 0.5; 2.6	15.1	+- 0.6; 3.9	15.6	+- 1.9
43	180	1.1	19.4	+- 0.6; 2.9	17.5	+- 0.7; 4.2	19.7	+- 2.3
44	150	28.0	15.7	+- 0.5; 2.4	13.6	+- 0.6; 3.8	15.2	+- 2.2

Transit Dose = 2.8 +- 0.3; 2.7

RIVER BEND

For the period 940315-940714

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	17.8 +- 0.0	1
11.26 - 33.75 NNE	No Data +- No Data	0
33.76 - 56.25 NE	16.3 +- 0.0	2
56.26 - 78.75 ENE	16.5 +- 1.6	2
78.76 - 101.25 E	15.0 +- 1.1	2
101.26 - 123.75 ESE	16.4 +- 1.1	4
123.76 - 146.25 SE	17.0 +- 0.8	2
146.26 - 168.75 SSE	16.6 +- 1.5	2
168.76 - 191.25 S	16.7 +- 0.8	3
191.26 - 213.75 SSW	15.4 +- 1.2	2
213.76 - 236.25 SW	15.4 +- 1.4	5
236.26 - 258.75 WSW	16.1 +- 1.4	3
258.76 - 281.25 W	16.7 +- 2.6	2
281.26 - 303.75 WNW	15.9 +- 1.9	2
303.76 - 326.25 NW	15.4 +- 0.5	4
326.26 - 348.75 NNW	16.5 +- 0.8	5

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	16.4 +- 1.2	15
2 - 5	16.0 +- 1.0	8
> 5	16.0 +- 1.2	18
Upwind Control	13.6 +- 0.0	1

NRC TLD DOSES FOR RIVER BEND AREA

Miles

Legend

Water

Railroads

Plant..site

Highways

Roads

ROBINSON

TLD Direct Radiation Environmental Monitoring

For the period 940316-940714 121 Days

Field Time: 96 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)		Gross Exposure (mR) +-Rdm; Tot.		Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.		Hist. Range Net Exp Rate +-1 Std Dev	
1	191	0.2	16.0	+- 0.5; 2.4	12.0	+- 0.5; 3.6	14.4	+- 1.1
2	151	1.9	24.7	+- 0.7; 3.7	20.1	+- 0.8; 4.5	21.5	+- 2.2
3	134	2.0	20.5	+- 0.6; 3.1	16.2	+- 0.7; 4.1	17.8	+- 1.4
4	119	1.9	17.4	+- 0.5; 2.6	13.3	+- 0.6; 3.8	14.3	+- 1.0
5	89	2.1	18.2	+- 0.5; 2.7	14.1	+- 0.6; 3.8	18.0	+- 1.1
6	65	1.0	19.1	+- 0.6; 2.9	14.9	+- 0.6; 3.9	16.2	+- 1.2
7	46	1.8	19.3	+- 0.6; 2.9	15.1	+- 0.6; 3.9	16.9	+- 1.8
8	27	1.9	20.4	+- 0.6; 3.1	16.1	+- 0.7; 4.0	17.0	+- 1.3
9	22	3.5	18.9	+- 0.6; 2.8	14.7	+- 0.6; 3.9	16.5	+- 1.9
10	0	5.0	20.9	+- 0.6; 3.1	16.6	+- 0.7; 4.1	17.8	+- 1.4
11	51	4.8	21.4	+- 0.6; 3.2	17.0	+- 0.7; 4.1	19.3	+- 1.0
12	67	4.1	16.7	+- 0.5; 2.5	12.6	+- 0.6; 3.7	14.5	+- 1.6
13	87	4.5	20.7	+- 0.6; 3.1	16.3	+- 0.7; 4.1	15.2	+- 1.0
14	109	5.0	19.2	+- 0.6; 2.9	15.0	+- 0.6; 3.9	15.9	+- 1.3
15	118	4.8	17.4	+- 0.5; 2.6	13.3	+- 0.6; 3.8	16.3	+- 2.1
16	138	5.3	20.1	+- 0.6; 3.0	15.9	+- 0.6; 4.0	16.7	+- 1.5
17 *	115	17.1	35.5	+- 1.1; 5.3	30.3	+- 1.0; 5.8	15.1	+- 1.9
18	199	12.6	20.1	+- 0.6; 3.0	15.8	+- 0.6; 4.0	16.3	+- 1.0
19	208	4.8	24.1	+- 0.7; 3.6	19.5	+- 0.7; 4.4	21.5	+- 2.3
20	225	4.0	22.9	+- 0.7; 3.4	18.5	+- 0.7; 4.3	19.5	+- 1.4
21	178	4.6	15.8	+- 0.5; 2.4	11.8	+- 0.5; 3.6	12.7	+- 1.3
22	167	3.7	19.5	+- 0.6; 2.9	15.2	+- 0.6; 4.0	16.1	+- 1.0
23	181	2.3	18.5	+- 0.6; 2.8	14.3	+- 0.6; 3.9	15.5	+- 1.2
24	194	2.0	Missing Dosimeter		No Net Data		19.1	+- 1.1
25	228	2.1	21.7	+- 0.6; 3.2	17.3	+- 0.7; 4.2	17.9	+- 1.3
26	245	1.5	16.8	+- 0.5; 2.5	12.8	+- 0.6; 3.7	14.2	+- 1.6
27	273	1.8	16.7	+- 0.5; 2.5	12.6	+- 0.6; 3.7	13.7	+- 1.2
28	287	2.0	16.5	+- 0.5; 2.5	12.4	+- 0.6; 3.7	13.4	+- 1.2
29	311	1.6	20.6	+- 0.6; 3.1	16.3	+- 0.7; 4.1	17.3	+- 1.0
30	334	1.9	18.0	+- 0.5; 2.7	13.8	+- 0.6; 3.8	16.2	+- 1.7
31	351	2.1	17.5	+- 0.5; 2.6	13.4	+- 0.6; 3.8	15.0	+- 2.0
32	333	4.0	19.7	+- 0.6; 3.0	15.4	+- 0.6; 4.0	16.4	+- 1.2
33	318	4.7	21.3	+- 0.6; 3.2	16.9	+- 0.7; 4.1	17.8	+- 1.3
34	310	6.9	19.1	+- 0.6; 2.9	14.8	+- 0.6; 3.9	15.6	+- 2.0
35	295	4.0	25.6	+- 0.8; 3.8	20.9	+- 0.8; 4.6	20.6	+- 1.4
36	269	4.8	22.5	+- 0.7; 3.4	18.1	+- 0.7; 4.3	18.4	+- 1.8
37	252	4.6	21.0	+- 0.6; 3.2	16.7	+- 0.7; 4.1	17.2	+- 1.4
38	274	10.7	19.0	+- 0.6; 2.8	14.8	+- 0.6; 3.9	18.4	+- 3.2
39	286	15.3	15.3	+- 0.5; 2.3	11.4	+- 0.5; 3.6	15.0	+- 1.2
40	289	16.5	17.0	+- 0.5; 2.5	12.9	+- 0.6; 3.7	14.2	+- 1.1
41	291	17.5	17.0	+- 0.5; 2.5	12.9	+- 0.6; 3.7	15.3	+- 1.4

Transit Dose = 3.2 +- 0.3; 3.0

* TLD #17 was not exchanged at the end of the first quarter of 1994; consequently the exposure recorded by this TLD covers both the first and second quarters of 1994.

ROBINSON

For the period 940316-940714

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	15.0 +- 2.3	2
11.26 - 33.75 NNE	15.4 +- 1.0	2
33.76 - 56.25 NE	16.1 +- 1.4	2
56.26 - 78.75 ENE	13.8 +- 1.6	2
78.76 - 101.25 E	15.2 +- 1.6	2
101.26 - 123.75 ESE	18.0 +- 8.3	4
123.76 - 146.25 SE	16.0 +- 0.2	2
146.26 - 168.75 SSE	17.7 +- 3.4	2
168.76 - 191.25 S	12.7 +- 1.4	3
191.26 - 213.75 SSW	17.7 +- 2.7	2
213.76 - 236.25 SW	17.9 +- 0.8	2
236.26 - 258.75 WSW	14.7 +- 2.8	2
258.76 - 281.25 W	15.2 +- 2.7	3
281.26 - 303.75 WNW	16.7 +- 6.0	2
303.76 - 326.25 NW	16.0 +- 1.1	3
326.26 - 348.75 NNW	14.6 +- 1.2	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	14.6 +- 2.3	12
2 - 5	15.9 +- 2.4	20
> 5	18.3 +- 6.7	5
Upwind Control	12.4 +- 0.9	3

NRC TLD DOSES FOR ROBINSON AREA

Miles

Legend

Water
Highways

Railroads
Roads

Plant..site

SALEM (DE)

TLD Direct Radiation Environmental Monitoring

For the period 940317-940720 126 Days

Field Time: 92 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)	Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
17	331 4.2	17.8 +- 0.5; 2.7	15.2 +- 0.6; 3.8	17.2 +- 2.4
18	320 3.8	Missing Dosimeter	No Net Data	14.2 +- 1.3
19	299 3.4	18.1 +- 0.5; 2.7	15.4 +- 0.6; 3.8	16.2 +- 1.6
20	330 9.5	22.4 +- 0.7; 3.4	19.6 +- 0.7; 4.3	19.6 +- 1.6
21	276 3.6	19.7 +- 0.6; 2.9	17.0 +- 0.6; 4.0	18.2 +- 1.6
22	266 4.7	19.1 +- 0.6; 2.9	16.4 +- 0.6; 4.0	17.8 +- 1.2
23	257 4.4	19.8 +- 0.6; 3.0	17.1 +- 0.6; 4.0	17.5 +- 1.5
24	240 4.4	19.9 +- 0.6; 3.0	17.2 +- 0.7; 4.0	18.1 +- 1.4
25	217 4.9	20.1 +- 0.6; 3.0	17.4 +- 0.7; 4.1	17.9 +- 1.6
26	204 3.9	19.0 +- 0.6; 2.9	16.4 +- 0.6; 3.9	16.5 +- 1.4
27	188 4.2	Missing Dosimeter	No Net Data	19.2 +- 2.6
28	319 18.1	21.1 +- 0.6; 3.2	18.4 +- 0.7; 4.2	19.6 +- 2.0
29	265 6.7	16.3 +- 0.5; 2.5	13.7 +- 0.6; 3.7	14.9 +- 1.3
30	340 12.2	15.7 +- 0.5; 2.4	13.1 +- 0.5; 3.6	14.6 +- 1.8
31	0 18.2	20.0 +- 0.6; 3.0	17.3 +- 0.7; 4.0	17.2 +- 1.3
32	338 8.1	17.1 +- 0.5; 2.6	14.5 +- 0.6; 3.8	15.5 +- 1.4
33	265 9.8	19.6 +- 0.6; 2.9	16.9 +- 0.6; 4.0	17.8 +- 1.4
34	207 11.6	18.2 +- 0.5; 2.7	15.6 +- 0.6; 3.9	17.0 +- 1.6

Transit Dose = 2.3 +- 0.3; 2.9

SALEM (DE)

For the period 940317-940720

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	No Data +- No Data	0
11.26 - 33.75 NNE	No Data +- No Data	0
33.76 - 56.25 NE	No Data +- No Data	0
56.26 - 78.75 ENE	No Data +- No Data	0
78.76 - 101.25 E	No Data +- No Data	0
101.26 - 123.75 ESE	No Data +- No Data	0
123.76 - 146.25 SE	No Data +- No Data	0
146.26 - 168.75 SSE	No Data +- No Data	0
168.76 - 191.25 S	No Data +- No Data	0
191.26 - 213.75 SSW	16.0 +- 0.6	2
213.76 - 236.25 SW	17.4 +- 0.0	1
236.26 - 258.75 WSW	17.2 +- 0.0	2
258.76 - 281.25 W	16.0 +- 1.5	4
281.26 - 303.75 WNW	15.4 +- 0.0	1
303.76 - 326.25 NW	No Data +- No Data	0
326.26 - 348.75 NNW	16.4 +- 2.8	3

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	No Data +- No Data	0
2 - 5	16.5 +- 0.8	8
> 5	16.1 +- 2.3	5
Upwind Control	16.3 +- 2.8	3

NRC TLD DOSES FOR SALEM - HOPE CREEK AREA

Miles

Legend

Water

--- Railroads

* Plant..site

— Highways

--- Roads

SALEM (NJ)

TLD Direct Radiation Environmental Monitoring

For the period 940317-940720 126 Days

Field Time: 92 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)		Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	87	3.3	16.0 +- 0.5; 2.4	14.7 +- 0.5; 3.6	14.2 +- 1.0
2	79	3.4	16.4 +- 0.5; 2.5	15.1 +- 0.5; 3.6	14.2 +- 1.1
3	72	3.6	17.2 +- 0.5; 2.6	15.9 +- 0.6; 3.7	17.0 +- 2.3
4	58	4.2	17.4 +- 0.5; 2.6	16.1 +- 0.6; 3.7	15.5 +- 1.7
5	54	4.9	14.3 +- 0.4; 2.1	13.0 +- 0.5; 3.4	13.5 +- 1.6
6	68	8.6	12.5 +- 0.4; 1.9	11.2 +- 0.4; 3.3	12.2 +- 1.4
7	40	5.7	14.5 +- 0.4; 2.2	13.3 +- 0.5; 3.4	13.9 +- 1.1
8	116	12.0	15.1 +- 0.5; 2.3	13.8 +- 0.5; 3.5	13.9 +- 1.3
10	8	5.8	14.7 +- 0.4; 2.2	13.4 +- 0.5; 3.5	14.2 +- 1.5
11	15	8.1	14.7 +- 0.4; 2.2	13.4 +- 0.5; 3.5	13.3 +- 1.2
12	24	8.6	15.2 +- 0.5; 2.3	13.9 +- 0.5; 3.5	13.4 +- 1.2
13	49	8.6	14.1 +- 0.4; 2.1	12.9 +- 0.5; 3.4	12.9 +- 1.3
14	90	6.7	13.6 +- 0.4; 2.0	12.3 +- 0.5; 3.4	12.5 +- 1.2
15	105	6.4	14.4 +- 0.4; 2.2	13.1 +- 0.5; 3.4	12.5 +- 1.5

Transit Dose = 1.0 +- 0.3; 2.8

SALEM (NJ)
For the period 940317-940720

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	13.4 +- 0.0	1
11.26 - 33.75 NNE	13.7 +- 0.3	2
33.76 - 56.25 NE	13.0 +- 0.2	3
56.26 - 78.75 ENE	14.4 +- 2.8	3
78.76 - 101.25 E	14.0 +- 1.5	3
101.26 - 123.75 ESE	13.5 +- 0.5	2
123.76 - 146.25 SE	No Data +- No Data	0
146.26 - 168.75 SSE	No Data +- No Data	0
168.76 - 191.25 S	No Data +- No Data	0
191.26 - 213.75 SSW	No Data +- No Data	0
213.76 - 236.25 SW	No Data +- No Data	0
236.26 - 258.75 WSW	No Data +- No Data	0
258.76 - 281.25 W	No Data +- No Data	0
281.26 - 303.75 WNW	No Data +- No Data	0
303.76 - 326.25 NW	No Data +- No Data	0
326.26 - 348.75 NNW	No Data +- No Data	0

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	No Data +- No Data	0
2 - 5	15.0 +- 1.2	5
> 5	13.0 +- 0.8	9
Upwind Control	No Data +- No Data	0

NRC TLD DOSES FOR SALEM – HOPE CREEK AREA

Miles

Legend

Water
Highways

Railroads
Roads

Plant..site

SAN ONOFRE

TLD Direct Radiation Environmental Monitoring

For the period 940314-940803 143 Days

Field Time: 93 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)	Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	346 35.0	30.1 +- 0.9; 4.5	23.0 +- 1.0; 5.4	24.4 +- 3.1
2	346 35.0	30.2 +- 0.9; 4.5	23.1 +- 1.0; 5.4	24.0 +- 2.8
3	346 35.0	29.9 +- 0.9; 4.5	22.8 +- 1.0; 5.4	24.2 +- 3.1
4	327 11.0	23.2 +- 0.7; 3.5	16.3 +- 0.8; 4.6	17.6 +- 3.1
5	308 14.0	25.3 +- 0.8; 3.8	18.3 +- 0.8; 4.8	20.4 +- 2.9
6	307 10.0	22.9 +- 0.7; 3.4	16.0 +- 0.8; 4.6	17.9 +- 2.8
7	318 6.3	23.7 +- 0.7; 3.5	16.7 +- 0.8; 4.7	18.6 +- 3.2
8	322 5.1	25.9 +- 0.8; 3.9	18.9 +- 0.9; 4.9	20.3 +- 2.8
9	311 3.3	24.9 +- 0.7; 3.7	17.9 +- 0.8; 4.8	18.2 +- 2.7
10	331 3.3	24.9 +- 0.7; 3.7	17.9 +- 0.8; 4.8	20.7 +- 4.1
11	300 2.6	25.9 +- 0.8; 3.9	18.9 +- 0.9; 4.9	19.7 +- 2.5
12	285 0.5	28.7 +- 0.9; 4.3	21.6 +- 0.9; 5.2	21.0 +- 3.9
13	320 2.4	24.2 +- 0.7; 3.6	17.3 +- 0.8; 4.7	18.7 +- 3.0
14	320 1.7	22.8 +- 0.7; 3.4	16.0 +- 0.8; 4.6	18.8 +- 3.0
15	333 1.2	23.0 +- 0.7; 3.5	16.1 +- 0.8; 4.6	19.2 +- 2.5
16	30 1.9	26.9 +- 0.8; 4.0	19.9 +- 0.9; 5.0	21.5 +- 3.1
17	8 1.3	21.6 +- 0.6; 3.2	14.8 +- 0.7; 4.4	16.5 +- 2.8
18	39 2.0	27.6 +- 0.8; 4.1	20.6 +- 0.9; 5.1	22.8 +- 3.1
19	55 2.9	24.1 +- 0.7; 3.6	17.1 +- 0.8; 4.7	19.2 +- 3.0
20	77 4.1	25.9 +- 0.8; 3.9	18.9 +- 0.9; 4.9	21.2 +- 2.9
21	87 4.7	27.9 +- 0.8; 4.2	20.8 +- 0.9; 5.1	21.1 +- 2.8
22	25 3.4	28.4 +- 0.9; 4.3	21.3 +- 0.9; 5.2	22.9 +- 3.2
23	357 3.5	25.9 +- 0.8; 3.9	18.9 +- 0.9; 4.9	21.5 +- 3.6
24	25 0.4	23.9 +- 0.7; 3.6	17.0 +- 0.8; 4.7	19.0 +- 2.8
25	81 0.4	28.1 +- 0.8; 4.2	21.0 +- 0.9; 5.1	18.3 +- 3.0
26	126 2.1	21.7 +- 0.7; 3.3	14.8 +- 0.7; 4.4	16.3 +- 3.2
27	130 8.6	20.1 +- 0.6; 3.0	13.3 +- 0.7; 4.3	16.5 +- 3.3
28	99 8.9	20.9 +- 0.6; 3.1	14.1 +- 0.7; 4.4	16.8 +- 3.4
29	135 11.0	22.0 +- 0.7; 3.3	15.2 +- 0.8; 4.5	17.0 +- 3.3
30	126 2.0	17.9 +- 0.5; 2.7	11.2 +- 0.7; 4.1	13.4 +- 3.0
31	128 3.7	22.1 +- 0.7; 3.3	15.3 +- 0.8; 4.5	15.1 +- 2.5
32	140 22.0	24.7 +- 0.7; 3.7	17.7 +- 0.8; 4.8	19.5 +- 3.1
33	120 26.0	22.9 +- 0.7; 3.4	16.0 +- 0.8; 4.6	16.1 +- 2.7

Transit Dose = 6.4 +- 0.4; 3.2

SAN ONOFRE
For the period 940314-940803

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	16.9 +- 2.9	2
11.26 - 33.75 NNE	19.4 +- 2.2	3
33.76 - 56.25 NE	18.8 +- 2.4	2
56.26 - 78.75 ENE	18.9 +- 0.0	1
78.76 - 101.25 E	18.6 +- 3.9	3
101.26 - 123.75 ESE	16.0 +- 0.0	1
123.76 - 146.25 SE	14.6 +- 2.2	6
146.26 - 168.75 SSE	No Data +- No Data	0
168.76 - 191.25 S	No Data +- No Data	0
191.26 - 213.75 SSW	No Data +- No Data	0
213.76 - 236.25 SW	No Data +- No Data	0
236.26 - 258.75 WSW	No Data +- No Data	0
258.76 - 281.25 W	No Data +- No Data	0
281.26 - 303.75 WNW	20.2 +- 1.9	2
303.76 - 326.25 NW	17.3 +- 1.1	7
326.26 - 348.75 NNW	16.8 +- 1.0	3

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	17.6 +- 3.5	9
2 - 5	18.1 +- 2.0	11
> 5	16.3 +- 1.8	10
Upwind Control	22.9 +- 0.1	3

NRC TLD DOSES FOR SAN ONOFRE AREA

Miles

Legend

Highways

Railroads

Roads

Plant..site

SEABROOK

TLD Direct Radiation Environmental Monitoring

For the period 940316-940714 121 Days

Field Time: 85 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)		Gross Exposure (mR) +-Rdm; Tot.		Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.		Hist. Range Net Exp Rate +-1 Std Dev
=====	=====		=====		=====		=====
1	154	0.6	19.1	+- 0.6; 2.9	20.2	+- 0.6; 4.0	17.4 +- 2.7
2	178	0.7	17.7	+- 0.5; 2.6	18.7	+- 0.6; 3.8	16.8 +- 2.5
3	207	0.7	18.2	+- 0.5; 2.7	19.3	+- 0.6; 3.9	16.1 +- 2.7
4	224	0.9	19.1	+- 0.6; 2.9	20.2	+- 0.6; 4.0	17.7 +- 2.9
5	243	1.2	17.6	+- 0.5; 2.6	18.6	+- 0.6; 3.8	16.1 +- 2.9
6	294	1.0	19.6	+- 0.6; 2.9	20.7	+- 0.7; 4.1	17.0 +- 2.5
7	267	0.7	18.9	+- 0.6; 2.8	20.0	+- 0.6; 4.0	16.6 +- 2.5
8	320	1.1	19.6	+- 0.6; 2.9	20.7	+- 0.7; 4.1	17.5 +- 3.0
9	329	1.6	21.4	+- 0.6; 3.2	22.7	+- 0.7; 4.3	19.0 +- 3.0
10	357	1.9	18.7	+- 0.6; 2.8	19.8	+- 0.6; 4.0	16.6 +- 2.6
11	18	2.5	18.8	+- 0.6; 2.8	19.9	+- 0.6; 4.0	17.2 +- 2.8
12	46	1.9	17.5	+- 0.5; 2.6	18.6	+- 0.6; 3.8	16.3 +- 3.5
13	83	1.7	18.6	+- 0.6; 2.8	19.7	+- 0.6; 3.9	16.9 +- 2.6
14	43	4.1	20.1	+- 0.6; 3.0	21.3	+- 0.7; 4.1	17.6 +- 2.6
15	358	4.2	18.6	+- 0.6; 2.8	19.7	+- 0.6; 3.9	17.6 +- 2.7
16	18	11.8	19.3	+- 0.6; 2.9	20.5	+- 0.6; 4.0	17.8 +- 2.7
17	321	7.4	20.8	+- 0.6; 3.1	22.1	+- 0.7; 4.2	18.8 +- 3.1
18	291	3.9	19.3	+- 0.6; 2.9	20.4	+- 0.6; 4.0	17.6 +- 2.5
19	267	3.7	18.9	+- 0.6; 2.8	20.1	+- 0.6; 4.0	17.3 +- 3.6
20	251	4.2	21.5	+- 0.6; 3.2	22.8	+- 0.7; 4.3	18.8 +- 3.1
21	228	4.7	17.5	+- 0.5; 2.6	18.5	+- 0.6; 3.8	16.8 +- 3.0
22	209	6.2	21.1	+- 0.6; 3.2	22.3	+- 0.7; 4.2	19.2 +- 2.8
23	187	6.5	22.1	+- 0.7; 3.3	23.4	+- 0.7; 4.4	19.0 +- 2.9
24	163	7.1	17.8	+- 0.5; 2.7	18.9	+- 0.6; 3.8	15.6 +- 2.5
25	174	4.0	17.2	+- 0.5; 2.6	18.2	+- 0.6; 3.8	16.1 +- 3.1
26	157	4.0	18.9	+- 0.6; 2.8	20.0	+- 0.6; 4.0	16.4 +- 2.7
27	136	2.4	18.5	+- 0.6; 2.8	19.6	+- 0.6; 3.9	17.0 +- 2.9
28	118	1.6	17.4	+- 0.5; 2.6	18.4	+- 0.6; 3.8	16.1 +- 2.4
30	67	2.1	21.0	+- 0.6; 3.1	22.2	+- 0.7; 4.2	18.1 +- 2.7
31	335	5.5	19.8	+- 0.6; 3.0	20.9	+- 0.7; 4.1	17.8 +- 2.6
32	318	3.2	21.3	+- 0.6; 3.2	22.6	+- 0.7; 4.3	18.5 +- 3.0
33	230	19.3	18.4	+- 0.6; 2.8	19.5	+- 0.6; 3.9	17.3 +- 3.5
34	230	19.3	Missing Dosimeter		No Net Data		17.7 +- 3.1
35	230	19.3	18.9	+- 0.6; 2.8	20.0	+- 0.6; 4.0	19.1 +- 3.8

Transit Dose = 0.0 +- 0.2; 2.5

SEABROOK

For the period 940316-940714

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	19.8 +- 0.1	2
11.26 - 33.75 NNE	20.2 +- 0.4	2
33.76 - 56.25 NE	19.9 +- 1.9	2
56.26 - 78.75 ENE	22.2 +- 0.0	1
78.76 - 101.25 E	19.7 +- 0.0	1
101.26 - 123.75 ESE	18.4 +- 0.0	1
123.76 - 146.25 SE	19.6 +- 0.0	1
146.26 - 168.75 SSE	19.7 +- 0.7	3
168.76 - 191.25 S	20.1 +- 2.9	3
191.26 - 213.75 SSW	20.8 +- 2.1	2
213.76 - 236.25 SW	19.6 +- 0.9	3
236.26 - 258.75 WSW	20.7 +- 2.9	2
258.76 - 281.25 W	20.0 +- 0.0	2
281.26 - 303.75 WNW	20.6 +- 0.3	2
303.76 - 326.25 NW	21.4 +- 1.0	2
326.26 - 348.75 NNW	21.8 +- 1.3	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	19.8 +- 1.2	13
2 - 5	20.2 +- 1.4	11
> 5	21.2 +- 1.6	7
Upwind Control	21.0 +- 2.2	2

NRC TLD DOSES FOR SEABROOK AREA

Miles

Legend

Water
Highways

Railroads
Roads

Plant..site

SEQUOYAH

TLD Direct Radiation Environmental Monitoring

For the period 940316-940721 128 Days

Field Time: 95 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)	Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	218 12.0	18.2 +- 0.5; 2.7	No Net Data	16.7 +- 1.6
2	206 13.0	16.4 +- 0.5; 2.5	No Net Data	14.2 +- 1.3
3	203 3.9	21.9 +- 0.7; 3.3	No Net Data	19.9 +- 1.6
4	199 2.0	20.7 +- 0.6; 3.1	No Net Data	16.5 +- 1.5
5	181 1.4	22.2 +- 0.7; 3.3	No Net Data	20.9 +- 1.6
6	153 1.5	17.5 +- 0.5; 2.6	No Net Data	15.4 +- 1.3
7	139 1.9	16.8 +- 0.5; 2.5	No Net Data	14.5 +- 1.2
8	115 1.8	17.9 +- 0.5; 2.7	No Net Data	15.9 +- 1.9
9	84 1.6	15.5 +- 0.5; 2.3	No Net Data	13.6 +- 1.5
10	66 1.3	18.9 +- 0.6; 2.8	No Net Data	15.5 +- 1.5
11	45 1.5	18.2 +- 0.5; 2.7	No Net Data	16.5 +- 1.6
12	14 2.0	20.9 +- 0.6; 3.1	No Net Data	18.5 +- 1.3
13	2 2.1	20.2 +- 0.6; 3.0	No Net Data	18.6 +- 1.5
14	19 3.9	18.1 +- 0.5; 2.7	No Net Data	15.7 +- 1.4
15	48 4.0	15.3 +- 0.5; 2.3	No Net Data	13.5 +- 1.4
16	65 4.9	17.5 +- 0.5; 2.6	No Net Data	15.7 +- 1.1
17	90 3.9	17.8 +- 0.5; 2.7	No Net Data	17.2 +- 1.9
18	111 3.4	18.0 +- 0.5; 2.7	No Net Data	16.1 +- 1.7
19	135 3.4	18.0 +- 0.5; 2.7	No Net Data	15.9 +- 1.0
20	158 3.4	18.7 +- 0.6; 2.8	No Net Data	14.2 +- 2.0
21	184 4.6	21.3 +- 0.6; 3.2	No Net Data	18.4 +- 2.5
22	233 11.0	17.3 +- 0.5; 2.6	No Net Data	14.2 +- 1.5
23	219 4.9	19.9 +- 0.6; 3.0	No Net Data	17.6 +- 1.6
24	241 4.3	16.5 +- 0.5; 2.5	No Net Data	15.5 +- 1.5
25	235 2.0	14.8 +- 0.4; 2.2	No Net Data	13.1 +- 1.2
26	248 1.5	16.8 +- 0.5; 2.5	No Net Data	15.3 +- 2.1
27	266 1.2	16.5 +- 0.5; 2.5	No Net Data	14.5 +- 1.2
28	291 1.2	18.2 +- 0.5; 2.7	No Net Data	15.5 +- 1.6
29	309 1.2	17.3 +- 0.5; 2.6	No Net Data	15.8 +- 1.6
30	330 0.5	19.0 +- 0.6; 2.8	No Net Data	16.6 +- 1.5
31	339 1.8	18.9 +- 0.6; 2.8	No Net Data	16.7 +- 1.4
32	355 4.9	16.1 +- 0.5; 2.4	No Net Data	14.6 +- 1.3
33	334 3.6	16.3 +- 0.5; 2.5	No Net Data	14.5 +- 1.5
34	317 4.4	18.1 +- 0.5; 2.7	No Net Data	15.1 +- 1.8
35	277 5.6	18.7 +- 0.6; 2.8	No Net Data	16.2 +- 1.4
36	283 3.6	15.8 +- 0.5; 2.4	No Net Data	14.2 +- 1.3
37	273 4.4	18.0 +- 0.5; 2.7	No Net Data	15.0 +- 1.5
38	302 19.0	16.9 +- 0.5; 2.5	No Net Data	15.1 +- 1.4
39	290 18.0	18.8 +- 0.6; 2.8	No Net Data	16.2 +- 1.3
40	289 18.0	16.8 +- 0.5; 2.5	No Net Data	14.8 +- 1.4
41	318 6.1	18.2 +- 0.5; 2.7	No Net Data	15.7 +- 1.3

No Transit Dose Calculated. (Transit Control Is Damaged.)

SEQUOYAH

For the period 940316-940721

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	12.8 +- 2.0	2
11.26 - 33.75 NNE	13.7 +- 1.4	2
33.76 - 56.25 NE	11.8 +- 1.5	2
56.26 - 78.75 ENE	12.8 +- 0.7	2
78.76 - 101.25 E	11.7 +- 1.2	2
101.26 - 123.75 ESE	12.6 +- 0.0	2
123.76 - 146.25 SE	12.2 +- 0.6	2
146.26 - 168.75 SSE	12.7 +- 0.6	2
168.76 - 191.25 S	15.3 +- 0.4	2
191.26 - 213.75 SSW	13.8 +- 2.1	3
213.76 - 236.25 SW	12.3 +- 1.5	4
236.26 - 258.75 WSW	11.7 +- 0.2	2
258.76 - 281.25 W	12.5 +- 0.8	3
281.26 - 303.75 WNW	12.0 +- 1.2	2
303.76 - 326.25 NW	12.6 +- 0.3	3
326.26 - 348.75 NNW	12.7 +- 1.1	3

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	12.7 +- 1.4	16
2 - 5	12.7 +- 1.3	17
> 5	12.5 +- 0.6	5
Upwind Control	12.3 +- 0.8	3

NRC TLD DOSES FOR SEQUOYAH AREA

Miles

0 2 4

Legend

Water

Railroads

Plant..site

Highways

Roads

SHOREHAM

TLD Direct Radiation Environmental Monitoring
 For the period 940316-940719 126 Days
 Field Time: 85 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)		Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	262	10.0	16.4 +- 0.5; 2.5	14.5 +- 0.6; 3.8	13.6 +- 1.6
2	268	4.4	Missing Dosimeter	No Net Data	14.5 +- 1.6
3	256	3.2	15.2 +- 0.5; 2.3	13.3 +- 0.6; 3.7	13.8 +- 1.6
4	268	2.1	17.2 +- 0.5; 2.6	15.4 +- 0.6; 3.9	14.9 +- 1.1
5	243	1.7	Missing Dosimeter	No Net Data	14.6 +- 1.2
7	136	1.5	18.9 +- 0.6; 2.8	17.2 +- 0.7; 4.1	15.3 +- 3.0
8	116	0.9	18.9 +- 0.6; 2.8	17.2 +- 0.7; 4.1	17.1 +- 1.4
9	91	0.8	16.0 +- 0.5; 2.4	14.1 +- 0.6; 3.8	13.9 +- 1.4
10	73	0.7	14.5 +- 0.4; 2.2	12.5 +- 0.6; 3.7	13.3 +- 1.2
11	62	0.7	14.6 +- 0.4; 2.2	12.6 +- 0.6; 3.7	12.7 +- 1.5
12	75	1.6	15.4 +- 0.5; 2.3	13.4 +- 0.6; 3.7	13.8 +- 1.4
13	88	2.1	17.5 +- 0.5; 2.6	15.7 +- 0.6; 4.0	14.5 +- 1.5
14	119	4.6	15.5 +- 0.5; 2.3	13.6 +- 0.6; 3.8	13.4 +- 1.4
15	110	10.0	15.3 +- 0.5; 2.3	13.4 +- 0.6; 3.7	14.4 +- 1.7
16	138	14.0	15.6 +- 0.5; 2.3	13.7 +- 0.6; 3.8	13.5 +- 1.6
17	162	12.0	15.2 +- 0.5; 2.3	13.3 +- 0.6; 3.7	13.7 +- 2.4
18	174	11.0	Missing Dosimeter	No Net Data	14.0 +- 1.8
19	189	5.1	Missing Dosimeter	No Net Data	13.7 +- 1.4
21	163	2.5	14.2 +- 0.4; 2.1	12.3 +- 0.5; 3.6	13.6 +- 1.7
22	149	1.5	17.6 +- 0.5; 2.6	15.8 +- 0.6; 4.0	14.9 +- 1.6
23	177	1.3	15.4 +- 0.5; 2.3	13.5 +- 0.6; 3.7	14.3 +- 1.5
24	196	1.2	15.8 +- 0.5; 2.4	13.9 +- 0.6; 3.8	13.6 +- 1.3
25	217	1.5	13.9 +- 0.4; 2.1	11.9 +- 0.5; 3.6	13.1 +- 1.7
26	215	4.6	15.0 +- 0.4; 2.2	13.1 +- 0.6; 3.7	12.4 +- 1.5
27	205	4.2	15.3 +- 0.5; 2.3	13.3 +- 0.6; 3.7	13.8 +- 1.5
28	233	11.0	15.8 +- 0.5; 2.4	13.9 +- 0.6; 3.8	13.4 +- 1.3
29	224	13.0	14.4 +- 0.4; 2.2	12.4 +- 0.6; 3.6	12.9 +- 1.3
30	202	14.0	16.3 +- 0.5; 2.4	14.4 +- 0.6; 3.8	13.9 +- 1.3
31	210	15.0	Missing Dosimeter	No Net Data	13.1 +- 1.2
32	210	15.0	Missing Dosimeter	No Net Data	13.6 +- 1.7
33	210	15.0	Missing Dosimeter	No Net Data	12.9 +- 1.4
34	27	0.2	13.6 +- 0.4; 2.0	11.6 +- 0.5; 3.6	12.7 +- 2.4
35	50	0.3	17.5 +- 0.5; 2.6	15.7 +- 0.6; 4.0	15.2 +- 1.6
36	133	3.9	17.6 +- 0.5; 2.6	15.8 +- 0.6; 4.0	14.5 +- 1.6

Transit Dose = 2.7 +- 0.3; 2.7

SHOREHAM

For the period 940316-940719

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	No Data +- No Data	0
11.26 - 33.75 NNE	11.6 +- 0.0	1
33.76 - 56.25 NE	15.7 +- 0.0	1
56.26 - 78.75 ENE	12.9 +- 0.5	3
78.76 - 101.25 E	14.9 +- 1.1	2
101.26 - 123.75 ESE	14.7 +- 2.2	3
123.76 - 146.25 SE	15.6 +- 1.8	3
146.26 - 168.75 SSE	13.8 +- 1.8	3
168.76 - 191.25 S	13.5 +- 0.0	1
191.26 - 213.75 SSW	13.9 +- 0.5	3
213.76 - 236.25 SW	12.8 +- 0.9	4
236.26 - 258.75 WSW	13.3 +- 0.0	1
258.76 - 281.25 W	15.0 +- 0.6	2
281.26 - 303.75 WNW	No Data +- No Data	0
303.76 - 326.25 NW	No Data +- No Data	0
326.26 - 348.75 NNW	No Data +- No Data	0

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	14.1 +- 1.9	12
2 - 5	14.1 +- 1.4	8
> 5	13.7 +- 0.7	7
Upwind Control	No Data +- No Data	0

NRC TLD DOSES FOR SHOREHAM AREA

Miles

Legend

Water
Highways

Railroads
Roads

Plant..site

SOUTH TEXAS

TLD Direct Radiation Environmental Monitoring

For the period 940315-940726 134 Days

Field Time: 92 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)	Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	90 1.0	20.4 +- 0.6; 3.1	18.1 +- 0.7; 4.1	16.5 +- 2.7
2	63 1.0	19.8 +- 0.6; 3.0	17.5 +- 0.6; 4.0	17.6 +- 2.3
3	40 1.0	20.2 +- 0.6; 3.0	18.0 +- 0.7; 4.1	18.1 +- 2.3
4	19 1.0	18.5 +- 0.6; 2.8	16.3 +- 0.6; 3.9	16.9 +- 2.3
5	4 0.9	19.4 +- 0.6; 2.9	17.1 +- 0.6; 4.0	16.9 +- 2.0
6	339 0.9	20.4 +- 0.6; 3.1	18.1 +- 0.7; 4.1	17.2 +- 2.3
7	318 1.0	19.3 +- 0.6; 2.9	17.0 +- 0.6; 4.0	16.6 +- 2.1
8	294 1.1	20.6 +- 0.6; 3.1	18.3 +- 0.7; 4.1	19.6 +- 2.4
9	267 1.3	22.5 +- 0.7; 3.4	20.1 +- 0.7; 4.3	19.6 +- 2.2
10	126 0.3	18.3 +- 0.5; 2.7	16.1 +- 0.6; 3.9	15.6 +- 2.2
11	180 0.1	20.8 +- 0.6; 3.1	18.6 +- 0.7; 4.1	16.2 +- 2.7
12	257 0.5	17.8 +- 0.5; 2.7	15.6 +- 0.6; 3.8	15.2 +- 2.4
13	262 0.9	17.5 +- 0.5; 2.6	15.3 +- 0.6; 3.8	15.3 +- 2.4
14	250 1.3	18.2 +- 0.5; 2.7	16.0 +- 0.6; 3.8	15.8 +- 2.3
15	227 2.4	17.2 +- 0.5; 2.6	15.0 +- 0.6; 3.7	14.6 +- 2.4
16	210 3.7	17.0 +- 0.5; 2.5	14.8 +- 0.6; 3.7	14.2 +- 2.5
17	175 3.6	Missing Dosimeter	No Net Data	14.5 +- 2.2
18	158 3.7	17.4 +- 0.5; 2.6	15.2 +- 0.6; 3.8	14.6 +- 2.2
19	143 3.3	16.2 +- 0.5; 2.4	14.1 +- 0.6; 3.6	14.3 +- 2.6
20	122 2.3	17.7 +- 0.5; 2.7	15.5 +- 0.6; 3.8	15.6 +- 2.5
21	121 1.1	18.0 +- 0.5; 2.7	15.8 +- 0.6; 3.8	15.2 +- 2.2
22	257 2.5	20.3 +- 0.6; 3.0	18.0 +- 0.7; 4.1	16.5 +- 2.0
23	262 4.5	24.0 +- 0.7; 3.6	21.7 +- 0.8; 4.5	19.0 +- 2.4
24	282 4.7	20.3 +- 0.6; 3.0	18.0 +- 0.7; 4.1	17.0 +- 2.6
25	304 5.8	18.2 +- 0.5; 2.7	16.0 +- 0.6; 3.8	15.7 +- 2.6
26	242 5.4	19.3 +- 0.6; 2.9	17.1 +- 0.6; 4.0	16.7 +- 2.3
27	223 5.0	20.0 +- 0.6; 3.0	17.7 +- 0.6; 4.0	16.7 +- 2.5
28	236 9.6	18.1 +- 0.5; 2.7	15.9 +- 0.6; 3.8	14.7 +- 2.4
29	259 10.0	19.8 +- 0.6; 3.0	17.5 +- 0.6; 4.0	16.1 +- 2.3
30	291 6.2	18.8 +- 0.6; 2.8	16.6 +- 0.6; 3.9	17.2 +- 2.5
31	323 7.8	19.9 +- 0.6; 3.0	17.6 +- 0.6; 4.0	18.2 +- 5.1
32	335 7.4	23.2 +- 0.7; 3.5	20.9 +- 0.7; 4.4	21.3 +- 2.4
33	351 5.5	18.8 +- 0.6; 2.8	16.5 +- 0.6; 3.9	15.0 +- 2.3
34	88 4.4	17.8 +- 0.5; 2.7	15.6 +- 0.6; 3.8	15.6 +- 2.6
35	89 6.7	16.9 +- 0.5; 2.5	14.7 +- 0.6; 3.7	14.8 +- 2.4
36	121 3.9	16.5 +- 0.5; 2.5	14.3 +- 0.6; 3.7	16.3 +- 2.9
37	145 8.8	18.5 +- 0.6; 2.8	16.3 +- 0.6; 3.9	14.9 +- 2.2
38	297 12.0	17.0 +- 0.5; 2.5	14.8 +- 0.6; 3.7	15.1 +- 2.4
39	321 9.3	20.3 +- 0.6; 3.0	18.0 +- 0.7; 4.1	17.8 +- 2.2
40	353 12.0	Missing Dosimeter	No Net Data	14.7 +- 2.2
41	13 18.0	Missing Dosimeter	No Net Data	16.3 +- 2.3
42	21 5.7	20.6 +- 0.6; 3.1	18.3 +- 0.7; 4.1	16.9 +- 2.6
43	39 5.8	21.0 +- 0.6; 3.2	18.8 +- 0.7; 4.1	17.3 +- 2.2
44	53 5.1	19.6 +- 0.6; 2.9	17.4 +- 0.6; 4.0	18.6 +- 2.9
45	69 7.3	17.6 +- 0.5; 2.6	15.4 +- 0.6; 3.8	15.2 +- 2.5
46	66 17.0	23.0 +- 0.7; 3.5	20.7 +- 0.7; 4.4	19.5 +- 2.3

Transit Dose = 1.9 +- 0.3; 2.8

SOUTH TEXAS

For the period 940315-940726

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	16.8 +- 0.4	2
11.26 - 33.75 NNE	17.3 +- 1.4	2
33.76 - 56.25 NE	18.0 +- 0.7	3
56.26 - 78.75 ENE	17.9 +- 2.7	3
78.76 - 101.25 E	16.2 +- 1.8	3
101.26 - 123.75 ESE	15.2 +- 0.8	3
123.76 - 146.25 SE	15.5 +- 1.2	3
146.26 - 168.75 SSE	15.2 +- 0.0	1
168.76 - 191.25 S	18.6 +- 0.0	1
191.26 - 213.75 SSW	14.8 +- 0.0	1
213.76 - 236.25 SW	16.2 +- 1.4	3
236.26 - 258.75 WSW	16.7 +- 1.1	4
258.76 - 281.25 W	18.7 +- 2.8	4
281.26 - 303.75 WNW	17.6 +- 0.9	3
303.76 - 326.25 NW	17.2 +- 0.9	4
326.26 - 348.75 NNW	19.5 +- 1.9	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	17.2 +- 1.4	15
2 - 5	16.4 +- 2.3	11
> 5	17.3 +- 1.7	16
Upwind Control	14.8 +- 0.0	1

NRC TLD DOSES FOR SOUTH TEXAS AREA

Miles

Legend

Water

Highways

Railroads

Roads

Plant site

ST. LUCIE
 TLD Direct Radiation Environmental Monitoring
 For the period 940316-940720 127 Days
 Field Time: 93 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)	Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	20 0.3	14.6 +- 0.4; 2.2	14.0 +- 0.5; 3.4	14.2 +- 3.3
2	45 0.2	15.6 +- 0.5; 2.3	15.0 +- 0.5; 3.5	15.0 +- 3.3
3	67 0.2	14.1 +- 0.4; 2.1	13.5 +- 0.5; 3.3	16.4 +- 4.3
4	92 0.3	14.0 +- 0.4; 2.1	13.4 +- 0.5; 3.3	13.7 +- 2.5
5	115 0.4	13.1 +- 0.4; 2.0	12.5 +- 0.4; 3.3	13.1 +- 3.4
6	143 1.1	12.5 +- 0.4; 1.9	11.9 +- 0.4; 3.2	12.1 +- 3.2
7	150 2.0	Missing Dosimeter	No Net Data	11.8 +- 3.3
8	154 4.7	14.0 +- 0.4; 2.1	13.4 +- 0.5; 3.3	12.6 +- 3.5
9	152 23.0	Missing Dosimeter	No Net Data	13.1 +- 3.4
10	152 23.0	13.3 +- 0.4; 2.0	12.7 +- 0.4; 3.3	13.7 +- 5.0
11	152 23.0	14.0 +- 0.4; 2.1	13.4 +- 0.5; 3.3	14.9 +- 4.8
12	168 14.0	13.0 +- 0.4; 2.0	12.5 +- 0.4; 3.3	13.0 +- 3.3
13	185 10.0	14.3 +- 0.4; 2.1	13.7 +- 0.5; 3.4	13.3 +- 3.1
14	183 11.0	13.8 +- 0.4; 2.1	13.2 +- 0.5; 3.3	15.3 +- 3.3
15	170 8.0	13.0 +- 0.4; 2.0	12.5 +- 0.4; 3.2	13.0 +- 3.3
16	196 7.0	14.3 +- 0.4; 2.1	13.6 +- 0.5; 3.4	13.2 +- 3.3
17	229 7.9	14.8 +- 0.4; 2.2	14.1 +- 0.5; 3.4	15.7 +- 4.5
18	250 6.6	12.0 +- 0.4; 1.8	11.5 +- 0.4; 3.2	12.3 +- 3.3
19	247 4.8	13.4 +- 0.4; 2.0	12.8 +- 0.4; 3.3	12.9 +- 3.3
20	229 5.0	13.7 +- 0.4; 2.0	13.1 +- 0.5; 3.3	13.2 +- 3.0
21	208 3.8	13.0 +- 0.4; 1.9	12.4 +- 0.4; 3.2	12.8 +- 3.7
22	187 3.8	13.9 +- 0.4; 2.1	13.3 +- 0.5; 3.3	13.1 +- 3.4
23	203 2.6	14.4 +- 0.4; 2.2	13.8 +- 0.5; 3.4	13.3 +- 3.3
24	245 1.9	13.4 +- 0.4; 2.0	12.8 +- 0.5; 3.3	12.9 +- 3.4
25	280 2.2	12.4 +- 0.4; 1.9	11.8 +- 0.4; 3.2	13.5 +- 3.5
26	299 3.1	13.9 +- 0.4; 2.1	13.3 +- 0.5; 3.3	13.6 +- 3.3
27	305 3.8	13.0 +- 0.4; 1.9	12.4 +- 0.4; 3.2	13.2 +- 3.4
28	276 4.0	12.4 +- 0.4; 1.9	11.8 +- 0.4; 3.2	12.7 +- 3.2
29	293 5.8	12.7 +- 0.4; 1.9	12.2 +- 0.4; 3.2	13.0 +- 3.3
30	316 7.7	13.8 +- 0.4; 2.1	13.2 +- 0.5; 3.3	12.9 +- 3.4
32	300 11.0	13.8 +- 0.4; 2.1	13.2 +- 0.5; 3.3	13.8 +- 3.2
33	322 8.7	13.6 +- 0.4; 2.0	13.0 +- 0.5; 3.3	14.4 +- 3.4
34	339 8.8	13.8 +- 0.4; 2.1	13.2 +- 0.5; 3.3	13.6 +- 3.3
35	342 2.9	13.1 +- 0.4; 2.0	12.5 +- 0.4; 3.3	12.6 +- 3.1
36	346 1.9	14.9 +- 0.4; 2.2	14.3 +- 0.5; 3.4	14.0 +- 3.4
37	353 1.0	13.3 +- 0.4; 2.0	12.7 +- 0.4; 3.3	13.0 +- 3.7
38	226 2.0	Damaged Dosimeter	No Net Data	13.3 +- 3.4

Transit Dose = 0.2 +- 0.2; 2.7

ST. LUCIE

For the period 940316-940720

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	12.7 +- 0.0	1
11.26 - 33.75 NNE	14.0 +- 0.0	1
33.76 - 56.25 NE	15.0 +- 0.0	1
56.26 - 78.75 ENE	13.5 +- 0.0	1
78.76 - 101.25 E	13.4 +- 0.0	1
101.26 - 123.75 ESE	12.5 +- 0.0	1
123.76 - 146.25 SE	11.9 +- 0.0	1
146.26 - 168.75 SSE	12.9 +- 0.7	2
168.76 - 191.25 S	13.1 +- 0.5	4
191.26 - 213.75 SSW	13.3 +- 0.8	3
213.76 - 236.25 SW	13.6 +- 0.8	2
236.26 - 258.75 WSW	12.3 +- 0.8	3
258.76 - 281.25 W	11.8 +- 0.0	2
281.26 - 303.75 WNW	12.9 +- 0.6	3
303.76 - 326.25 NW	12.9 +- 0.4	3
326.26 - 348.75 NNW	13.3 +- 0.9	3

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	13.3 +- 0.9	9
2 - 5	12.8 +- 0.6	11
> 5	13.0 +- 0.7	12
Upwind Control	13.1 +- 0.5	2

NRC TLD DOSES FOR ST. LUCIE AREA

Miles

Legend

Water

Highways

Railroads

Roads

Plant..site

SUMMER

TLD Direct Radiation Environmental Monitoring

For the period 940316-940714 121 Days

Field Time: 99 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)	Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	199 3.7	23.4 +- 0.7; 3.5	16.7 +- 0.7; 4.4	21.5 +- 2.9
2	111 1.0	22.1 +- 0.7; 3.3	15.5 +- 0.7; 4.2	19.8 +- 2.6
3	340 4.1	25.1 +- 0.8; 3.8	18.2 +- 0.8; 4.5	23.0 +- 3.1
4	192 9.3	24.9 +- 0.7; 3.7	18.0 +- 0.8; 4.5	21.2 +- 1.7
5	72 1.8	25.0 +- 0.8; 3.8	18.1 +- 0.8; 4.5	22.6 +- 2.6
6	54 1.5	27.0 +- 0.8; 4.0	19.9 +- 0.8; 4.7	22.1 +- 1.9
7	46 3.0	28.1 +- 0.8; 4.2	20.9 +- 0.8; 4.9	27.0 +- 2.7
8	31 3.0	31.3 +- 0.9; 4.7	23.9 +- 0.9; 5.2	28.2 +- 2.9
9	13 3.9	32.1 +- 1.0; 4.8	24.6 +- 0.9; 5.3	27.2 +- 2.2
10	7 4.0	31.9 +- 1.0; 4.8	24.3 +- 0.9; 5.3	26.0 +- 1.7
11	349 4.3	27.8 +- 0.8; 4.2	20.6 +- 0.8; 4.8	22.4 +- 3.1
12	323 5.0	Missing Dosimeter	No Net Data	24.4 +- 2.3
13	333 3.0	32.4 +- 1.0; 4.9	24.8 +- 1.0; 5.3	24.7 +- 1.9
14	255 2.8	22.5 +- 0.7; 3.4	15.9 +- 0.7; 4.3	19.3 +- 3.4
15	308 5.6	Missing Dosimeter	No Net Data	25.9 +- 2.1
16	64 3.5	33.4 +- 1.0; 5.0	25.7 +- 1.0; 5.4	26.7 +- 3.0
17	98 3.1	29.2 +- 0.9; 4.4	21.9 +- 0.9; 5.0	23.2 +- 2.0
18	114 3.5	29.7 +- 0.9; 4.5	22.4 +- 0.9; 5.0	22.9 +- 1.9
19	132 2.0	26.0 +- 0.8; 3.9	19.0 +- 0.8; 4.6	20.9 +- 2.0
20	152 4.5	17.2 +- 0.5; 2.6	11.0 +- 0.6; 3.8	14.3 +- 2.8
21	133 4.1	21.1 +- 0.6; 3.2	14.6 +- 0.7; 4.2	15.9 +- 1.8
22	157 2.4	24.3 +- 0.7; 3.6	17.5 +- 0.8; 4.5	17.9 +- 2.2
23	173 2.4	25.8 +- 0.8; 3.9	18.8 +- 0.8; 4.6	20.1 +- 2.1
24	185 3.9	25.0 +- 0.8; 3.8	18.1 +- 0.8; 4.5	19.3 +- 2.2
25	210 3.3	23.1 +- 0.7; 3.5	16.3 +- 0.7; 4.3	19.3 +- 1.8
26	217 3.3	22.1 +- 0.7; 3.3	15.4 +- 0.7; 4.2	17.6 +- 2.1
27	231 3.1	18.7 +- 0.6; 2.8	12.4 +- 0.6; 3.9	15.2 +- 2.2
28	267 2.7	26.7 +- 0.8; 4.0	19.6 +- 0.8; 4.7	22.3 +- 2.1
29	276 3.4	28.6 +- 0.9; 4.3	21.3 +- 0.9; 4.9	23.6 +- 1.8
30	293 3.8	29.8 +- 0.9; 4.5	22.4 +- 0.9; 5.0	25.2 +- 4.2
31	244 3.6	23.3 +- 0.7; 3.5	16.6 +- 0.7; 4.4	20.7 +- 3.5
32	247 6.2	28.4 +- 0.9; 4.3	21.2 +- 0.9; 4.9	23.4 +- 2.1
33	218 9.0	23.9 +- 0.7; 3.6	17.1 +- 0.7; 4.4	20.4 +- 1.9
34	192 9.3	24.6 +- 0.7; 3.7	17.7 +- 0.8; 4.5	20.5 +- 1.8
35	184 14.1	21.3 +- 0.6; 3.2	14.8 +- 0.7; 4.2	16.3 +- 1.8
36	183 14.6	17.1 +- 0.5; 2.6	10.9 +- 0.6; 3.8	15.0 +- 2.9
37	182 14.8	15.9 +- 0.5; 2.4	9.9 +- 0.6; 3.7	14.1 +- 3.0
38	148 20.8	24.7 +- 0.7; 3.7	17.8 +- 0.8; 4.5	21.3 +- 2.6
39	140 25.0	26.6 +- 0.8; 4.0	19.5 +- 0.8; 4.7	22.7 +- 2.4
40	135 23.1	23.7 +- 0.7; 3.6	16.9 +- 0.7; 4.4	20.1 +- 3.4

Transit Dose = 5.1 +- 0.4; 3.3

SUMMER

For the period 940316-940714

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	22.5 +- 2.6	2
11.26 - 33.75 NNE	24.2 +- 0.5	2
33.76 - 56.25 NE	20.4 +- 0.7	2
56.26 - 78.75 ENE	21.9 +- 5.4	2
78.76 - 101.25 E	21.9 +- 0.0	1
101.26 - 123.75 ESE	18.9 +- 4.9	2
123.76 - 146.25 SE	17.5 +- 2.2	4
146.26 - 168.75 SSE	15.4 +- 3.9	3
168.76 - 191.25 S	18.5 +- 0.5	2
191.26 - 213.75 SSW	17.2 +- 0.8	4
213.76 - 236.25 SW	15.0 +- 2.4	3
236.26 - 258.75 WSW	17.9 +- 2.9	3
258.76 - 281.25 W	20.5 +- 1.2	2
281.26 - 303.75 WNW	22.4 +- 0.0	1
303.76 - 326.25 NW	No Data +- No Data	0
326.26 - 348.75 NNW	21.5 +- 4.7	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	18.1 +- 1.9	4
2 - 5	19.3 +- 4.0	24
> 5	18.3 +- 1.5	7
Upwind Control	11.8 +- 2.6	3

NRC TLD DOSES FOR SUMMER AREA

Miles

Legend

Water

Highways

Railroads

Roads

Plant..site

SURRY

TLD Direct Radiation Environmental Monitoring

For the period 940316-940726 133 Days

Field Time: 94 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)		Gross Exposure (mR) +-Rdm; Tot.		Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.		Hist. Range Net Exp Rate +-1 Std Dev	
1	18	19.0	20.0	+- 0.6; 3.0	16.2	+- 0.7; 4.0	15.7	+- 1.1
2	129	17.0	19.7	+- 0.6; 3.0	16.0	+- 0.6; 4.0	17.2	+- 1.3
3	162	17.0	19.2	+- 0.6; 2.9	15.5	+- 0.6; 4.0	16.0	+- 1.3
4	162	17.0	18.6	+- 0.6; 2.8	14.9	+- 0.6; 3.9	13.3	+- 1.0
5	156	5.1	21.6	+- 0.6; 3.2	17.8	+- 0.7; 4.2	17.8	+- 1.0
6	189	4.1	18.1	+- 0.5; 2.7	14.4	+- 0.6; 3.8	14.8	+- 1.6
7	202	2.2	20.7	+- 0.6; 3.1	17.0	+- 0.7; 4.1	14.9	+- 1.5
8	183	1.6	22.3	+- 0.7; 3.3	18.5	+- 0.7; 4.3	17.3	+- 1.3
9	243	0.2	25.3	+- 0.8; 3.8	21.3	+- 0.8; 4.6	20.3	+- 1.4
10	269	0.1	25.4	+- 0.8; 3.8	21.4	+- 0.8; 4.6	23.1	+- 2.5
11	304	0.1	23.7	+- 0.7; 3.6	19.8	+- 0.7; 4.4	23.5	+- 3.5
12	334	0.2	26.5	+- 0.8; 4.0	22.5	+- 0.8; 4.7	23.4	+- 2.4
13	10	1.2	19.5	+- 0.6; 2.9	15.8	+- 0.6; 4.0	16.3	+- 1.4
14	21	2.0	20.6	+- 0.6; 3.1	16.9	+- 0.7; 4.1	16.7	+- 1.5
15	203	4.5	20.7	+- 0.6; 3.1	17.0	+- 0.7; 4.1	15.2	+- 1.4
16	224	3.7	18.3	+- 0.5; 2.7	14.6	+- 0.6; 3.9	14.0	+- 1.2
17	212	2.0	Missing Dosimeter		No Net Data		17.2	+- 1.4
18	248	5.1	20.1	+- 0.6; 3.0	16.4	+- 0.7; 4.1	14.8	+- 1.5
19	259	8.1	20.4	+- 0.6; 3.1	16.6	+- 0.7; 4.1	15.4	+- 2.3
20	285	5.0	14.9	+- 0.4; 2.2	11.4	+- 0.5; 3.6	10.8	+- 1.5
21	270	4.1	22.0	+- 0.7; 3.3	18.2	+- 0.7; 4.2	18.7	+- 1.5
22	123	12.0	22.4	+- 0.7; 3.4	18.6	+- 0.7; 4.3	20.6	+- 2.7
23	102	11.0	25.2	+- 0.8; 3.8	21.3	+- 0.8; 4.6	22.8	+- 2.1
24	106	4.9	21.6	+- 0.6; 3.2	17.8	+- 0.7; 4.2	17.9	+- 1.5
25	90	5.2	20.9	+- 0.6; 3.1	17.1	+- 0.7; 4.1	17.0	+- 1.5
26	69	5.1	25.7	+- 0.8; 3.8	21.7	+- 0.8; 4.7	21.3	+- 1.5
27	23	5.3	22.4	+- 0.7; 3.4	18.6	+- 0.7; 4.3	18.4	+- 1.5
28	49	5.0	22.0	+- 0.7; 3.3	18.2	+- 0.7; 4.3	18.7	+- 1.6
29	7	6.8	20.6	+- 0.6; 3.1	16.8	+- 0.7; 4.1	17.9	+- 1.5
30	359	6.5	20.1	+- 0.6; 3.0	16.3	+- 0.7; 4.0	15.7	+- 1.5
31	1	4.6	16.7	+- 0.5; 2.5	13.1	+- 0.6; 3.7	13.4	+- 2.4
32	332	3.8	20.6	+- 0.6; 3.1	16.9	+- 0.7; 4.1	16.5	+- 1.7
33	314	5.4	21.3	+- 0.6; 3.2	17.5	+- 0.7; 4.2	17.6	+- 1.3
34	308	6.4	18.4	+- 0.6; 2.8	14.7	+- 0.6; 3.9	16.4	+- 1.5
35	348	5.3	18.8	+- 0.6; 2.8	15.1	+- 0.6; 3.9	15.5	+- 1.4
36	43	15.0	21.3	+- 0.6; 3.2	17.5	+- 0.7; 4.2	16.2	+- 1.5
37	340	15.0	18.2	+- 0.5; 2.7	14.5	+- 0.6; 3.9	14.4	+- 1.4
38	39	16.0	22.6	+- 0.7; 3.4	18.8	+- 0.7; 4.3	16.1	+- 2.4
39	153	1.9	Missing Dosimeter		No Net Data		18.6	+- 1.6
40	144	2.1	Missing Dosimeter		No Net Data		16.0	+- 1.7

Transit Dose = 3.0 +- 0.3; 3.0

SURRY

For the period 940316-940726

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	15.5 +- 1.7	4
11.26 - 33.75 NNE	17.2 +- 1.2	3
33.76 - 56.25 NE	18.2 +- 0.0	1
56.26 - 78.75 ENE	21.7 +- 0.0	1
78.76 - 101.25 E	17.1 +- 0.0	1
101.26 - 123.75 ESE	19.2 +- 1.8	3
123.76 - 146.25 SE	16.0 +- 0.0	1
146.26 - 168.75 SSE	16.1 +- 1.5	3
168.76 - 191.25 S	16.5 +- 2.9	2
191.26 - 213.75 SSW	17.0 +- 0.0	2
213.76 - 236.25 SW	14.6 +- 0.0	1
236.26 - 258.75 WSW	18.9 +- 3.5	2
258.76 - 281.25 W	18.8 +- 2.5	3
281.26 - 303.75 WNW	11.4 +- 0.0	1
303.76 - 326.25 NW	17.3 +- 2.6	3
326.26 - 348.75 NNW	18.2 +- 3.8	3

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	19.5 +- 2.5	7
2 - 5	15.9 +- 2.3	10
> 5	17.1 +- 2.0	17
Upwind Control	16.9 +- 2.2	3

NRC TLD DOSES FOR SURRY AREA

Miles

Legend

Water

— Highways

--- Railroads

--- Roads

Plant..site

SUSQUEHANNA

TLD Direct Radiation Environmental Monitoring

For the period 940314-940714 123 Days

Field Time: 92 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)	Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	19 1.4	21.5 +- 0.6; 3.2	18.8 +- 0.7; 4.2	18.7 +- 2.4
2	358 1.4	21.5 +- 0.6; 3.2	18.8 +- 0.7; 4.2	19.0 +- 2.0
3	332 1.6	19.7 +- 0.6; 3.0	17.1 +- 0.6; 4.0	17.7 +- 1.8
4	315 1.8	20.1 +- 0.6; 3.0	17.4 +- 0.7; 4.1	17.3 +- 1.9
5	287 1.7	21.7 +- 0.7; 3.3	19.0 +- 0.7; 4.2	19.0 +- 1.9
6	270 1.3	20.4 +- 0.6; 3.1	17.8 +- 0.7; 4.1	18.7 +- 1.8
7	239 1.8	20.4 +- 0.6; 3.1	17.7 +- 0.7; 4.1	17.8 +- 1.8
8	217 2.0	23.5 +- 0.7; 3.5	20.7 +- 0.7; 4.4	21.1 +- 2.1
9	201 1.5	21.3 +- 0.6; 3.2	18.6 +- 0.7; 4.2	18.9 +- 2.0
10	185 1.3	20.0 +- 0.6; 3.0	17.3 +- 0.7; 4.0	17.3 +- 1.5
11	243 5.1	20.6 +- 0.6; 3.1	17.9 +- 0.7; 4.1	18.9 +- 1.9
12	252 4.6	19.7 +- 0.6; 3.0	17.0 +- 0.6; 4.0	18.1 +- 1.6
13	274 3.4	24.1 +- 0.7; 3.6	21.4 +- 0.8; 4.5	20.9 +- 1.8
14	286 3.6	21.3 +- 0.6; 3.2	18.7 +- 0.7; 4.2	19.4 +- 1.9
15	1 3.9	22.3 +- 0.7; 3.4	19.6 +- 0.7; 4.3	20.0 +- 1.9
16	334 4.1	20.8 +- 0.6; 3.1	18.2 +- 0.7; 4.1	19.4 +- 2.0
17	312 4.4	22.3 +- 0.7; 3.3	19.6 +- 0.7; 4.3	18.5 +- 1.9
18	33 5.0	22.0 +- 0.7; 3.3	19.3 +- 0.7; 4.3	19.3 +- 1.7
19	45 9.9	21.5 +- 0.6; 3.2	18.8 +- 0.7; 4.2	19.5 +- 1.6
20	65 4.7	24.0 +- 0.7; 3.6	21.2 +- 0.8; 4.5	20.7 +- 1.8
21	43 3.3	24.4 +- 0.7; 3.7	21.7 +- 0.8; 4.5	21.4 +- 1.9
22	33 0.9	22.7 +- 0.7; 3.4	20.0 +- 0.7; 4.3	18.2 +- 2.4
23	57 1.2	19.4 +- 0.6; 2.9	16.7 +- 0.6; 4.0	17.4 +- 1.5
24	87 1.4	21.7 +- 0.7; 3.3	19.0 +- 0.7; 4.2	19.0 +- 1.8
25	111 1.4	22.3 +- 0.7; 3.3	19.6 +- 0.7; 4.3	18.6 +- 2.0
26	137 1.5	20.9 +- 0.6; 3.1	18.2 +- 0.7; 4.1	18.8 +- 1.9
27	152 1.5	21.6 +- 0.6; 3.2	18.9 +- 0.7; 4.2	19.6 +- 1.6
28	107 3.6	23.5 +- 0.7; 3.5	20.8 +- 0.7; 4.4	21.2 +- 5.1
29	99 4.3	22.7 +- 0.7; 3.4	20.0 +- 0.7; 4.3	20.2 +- 1.8
30	138 3.6	23.6 +- 0.7; 3.5	20.9 +- 0.7; 4.4	20.3 +- 2.0
31	162 3.4	25.3 +- 0.8; 3.8	22.5 +- 0.8; 4.6	21.5 +- 2.4
32	176 3.5	24.5 +- 0.7; 3.7	21.8 +- 0.8; 4.5	20.2 +- 2.1
33	192 3.2	23.7 +- 0.7; 3.5	20.9 +- 0.8; 4.5	21.0 +- 2.0
34	231 4.4	22.2 +- 0.7; 3.3	19.5 +- 0.7; 4.3	19.4 +- 2.2
35	134 12.3	22.4 +- 0.7; 3.4	19.7 +- 0.7; 4.3	19.5 +- 2.3
36	114 13.5	24.5 +- 0.7; 3.7	21.8 +- 0.8; 4.6	21.8 +- 2.3
37	150 15.6	20.9 +- 0.6; 3.1	18.3 +- 0.7; 4.1	19.0 +- 2.1

Transit Dose = 2.3 +- 0.3; 2.9

SUSQUEHANNA

For the period 940314-940714

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	19.2 +- 0.6	2
11.26 - 33.75 NNE	19.4 +- 0.6	3
33.76 - 56.25 NE	20.3 +- 2.0	2
56.26 - 78.75 ENE	19.0 +- 3.2	2
78.76 - 101.25 E	19.5 +- 0.7	2
101.26 - 123.75 ESE	20.2 +- 0.9	2
123.76 - 146.25 SE	19.5 +- 1.9	2
146.26 - 168.75 SSE	20.7 +- 2.6	2
168.76 - 191.25 S	19.5 +- 3.1	2
191.26 - 213.75 SSW	19.8 +- 1.6	2
213.76 - 236.25 SW	20.1 +- 0.9	2
236.26 - 258.75 WSW	17.6 +- 0.5	3
258.76 - 281.25 W	19.6 +- 2.5	2
281.26 - 303.75 WNW	18.8 +- 0.3	2
303.76 - 326.25 NW	18.5 +- 1.5	2
326.26 - 348.75 NNW	17.6 +- 0.8	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	18.5 +- 1.1	16
2 - 5	20.2 +- 1.5	16
> 5	18.4 +- 0.6	2
Upwind Control	19.9 +- 1.8	3

NRC TLD DOSES FOR SUSQUEHANNA AREA

Miles

Legend

Water

Highways

Railroads

Roads

Plant..site

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Inches

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3 of 3

THREE MILE ISLAND

TLD Direct Radiation Environmental Monitoring

For the period 940314-940714 123 Days

Field Time: 84 Days

NRC Sta	Location		Gross		Net Exposure Rate		Hist. Range	
	Azimuth/Dist (Deg)/(Mi)		Exposure (mR) +-Rdm; Tot.		(mR/Std. Qtr.) +-Rdm; Tot.		Net Exp Rate +-1 Std Dev	
1	95	5.9	18.3	+- 0.5; 2.7	16.9	+- 0.7; 4.1	16.1	+- 2.4
2	102	3.9	19.9	+- 0.6; 3.0	18.6	+- 0.7; 4.3	18.5	+- 2.2
3	110	2.7	14.7	+- 0.4; 2.2	13.1	+- 0.6; 3.7	14.3	+- 2.7
4	162	1.8	17.4	+- 0.5; 2.6	16.0	+- 0.6; 4.0	15.5	+- 2.4
5	161	2.3	17.8	+- 0.5; 2.7	16.4	+- 0.6; 4.0	15.7	+- 2.0
6	152	1.1	18.0	+- 0.5; 2.7	16.6	+- 0.7; 4.0	16.3	+- 2.2
7	123	0.5	16.5	+- 0.5; 2.5	15.0	+- 0.6; 3.9	14.5	+- 2.0
8	87	0.4	20.1	+- 0.6; 3.0	18.9	+- 0.7; 4.3	15.6	+- 2.7
9	61	0.5	16.6	+- 0.5; 2.5	15.1	+- 0.6; 3.9	15.0	+- 1.9
10	1	1.7	17.8	+- 0.5; 2.7	16.4	+- 0.6; 4.0	15.2	+- 2.5
11	27	0.8	17.4	+- 0.5; 2.6	16.0	+- 0.6; 4.0	15.2	+- 2.1
12	48	1.0	17.7	+- 0.5; 2.7	16.2	+- 0.6; 4.0	15.5	+- 2.4
13	19	2.0	17.5	+- 0.5; 2.6	16.1	+- 0.6; 4.0	15.9	+- 2.2
14	358	2.4	16.5	+- 0.5; 2.5	15.0	+- 0.6; 3.9	14.4	+- 2.4
15	132	9.0	19.9	+- 0.6; 3.0	18.6	+- 0.7; 4.3	18.2	+- 2.5
16	0	3.0	16.3	+- 0.5; 2.5	14.8	+- 0.6; 3.9	14.4	+- 2.4
18	347	3.5	20.9	+- 0.6; 3.1	19.6	+- 0.7; 4.4	18.2	+- 2.8
19	343	3.1	18.4	+- 0.6; 2.8	17.0	+- 0.7; 4.1	16.5	+- 2.1
20	318	5.0	18.0	+- 0.5; 2.7	16.6	+- 0.7; 4.0	15.2	+- 2.2
21	348	2.7	15.0	+- 0.4; 2.2	13.3	+- 0.6; 3.7	12.5	+- 2.0
22	17	3.1	17.2	+- 0.5; 2.6	15.7	+- 0.6; 4.0	16.0	+- 2.3
23	64	3.7	15.8	+- 0.5; 2.4	14.3	+- 0.6; 3.8	13.0	+- 2.0
24	44	3.6	18.9	+- 0.6; 2.8	17.6	+- 0.7; 4.2	16.8	+- 2.3
25	327	0.4	12.6	+- 0.4; 1.9	10.8	+- 0.5; 3.5	12.9	+- 3.0
27	7	7.1	22.1	+- 0.7; 3.3	21.0	+- 0.8; 4.5	20.3	+- 2.4
29	293	0.4	16.3	+- 0.5; 2.4	14.8	+- 0.6; 3.9	16.0	+- 2.6
30	314	1.1	17.6	+- 0.5; 2.6	16.1	+- 0.6; 4.0	17.2	+- 2.1
31	303	8.6	15.9	+- 0.5; 2.4	14.4	+- 0.6; 3.8	13.9	+- 1.9
32	297	7.6	19.0	+- 0.6; 2.9	17.7	+- 0.7; 4.2	17.2	+- 2.0
33	302	5.8	14.8	+- 0.4; 2.2	13.1	+- 0.6; 3.7	13.8	+- 2.0
34	296	2.3	18.9	+- 0.6; 2.8	17.6	+- 0.7; 4.2	16.3	+- 2.3
35	308	1.8	18.1	+- 0.5; 2.7	16.7	+- 0.7; 4.1	16.3	+- 2.0
36	265	1.2	15.9	+- 0.5; 2.4	14.3	+- 0.6; 3.8	12.8	+- 2.4
37	256	1.4	17.0	+- 0.5; 2.6	15.5	+- 0.6; 3.9	13.6	+- 2.1
38	225	1.9	17.5	+- 0.5; 2.6	16.0	+- 0.6; 4.0	16.9	+- 1.9
39	204	2.0	15.7	+- 0.5; 2.3	14.1	+- 0.6; 3.8	13.1	+- 2.1
40	202	2.5	16.7	+- 0.5; 2.5	15.2	+- 0.6; 3.9	14.6	+- 2.2
41	184	12.6	18.3	+- 0.5; 2.7	16.9	+- 0.7; 4.1	16.3	+- 2.5
42	259	7.4	18.1	+- 0.5; 2.7	16.7	+- 0.7; 4.1	16.0	+- 2.1
43	268	6.2	17.6	+- 0.5; 2.6	16.2	+- 0.6; 4.0	17.0	+- 2.9
44	249	4.3	17.5	+- 0.5; 2.6	16.0	+- 0.6; 4.0	15.0	+- 2.2
45	221	0.5	15.1	+- 0.5; 2.3	13.5	+- 0.6; 3.7	13.7	+- 2.3
46	171	3.0	18.0	+- 0.5; 2.7	16.6	+- 0.7; 4.0	15.0	+- 2.9
47	177	5.7	16.4	+- 0.5; 2.5	14.9	+- 0.6; 3.9	15.4	+- 2.1
48	181	9.1	23.1	+- 0.7; 3.5	22.1	+- 0.8; 4.7	22.0	+- 2.9
49	199	1.0	16.2	+- 0.5; 2.4	14.7	+- 0.6; 3.8	15.2	+- 2.1
50	145	4.9	19.5	+- 0.6; 2.9	18.2	+- 0.7; 4.2	17.0	+- 3.1

Transit Dose = 2.5 +- 0.3; 2.6

THREE MILE ISLAND
For the period 940314-940714

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	16.8 +- 2.9	4
11.26 - 33.75 NNE	15.9 +- 0.2	3
33.76 - 56.25 NE	16.9 +- 0.9	2
56.26 - 78.75 ENE	14.7 +- 0.6	2
78.76 - 101.25 E	17.9 +- 1.4	2
101.26 - 123.75 ESE	15.6 +- 2.8	3
123.76 - 146.25 SE	18.4 +- 0.3	2
146.26 - 168.75 SSE	16.3 +- 0.3	3
168.76 - 191.25 S	17.6 +- 3.1	4
191.26 - 213.75 SSW	14.7 +- 0.6	3
213.76 - 236.25 SW	14.7 +- 1.8	2
236.26 - 258.75 WSW	16.0 +- 0.0	1
258.76 - 281.25 W	16.4 +- 0.4	2
281.26 - 303.75 WNW	15.5 +- 2.0	5
303.76 - 326.25 NW	16.4 +- 0.3	2
326.26 - 348.75 NNW	15.2 +- 3.9	4

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	15.4 +- 1.7	16
2 - 5	16.2 +- 1.8	17
> 5	17.1 +- 2.7	11
Upwind Control	15.5 +- 1.2	3

NRC TLD DOSES FOR THREE MILE ISLAND AREA

Miles

Legend

Water
Highways

Railroads
Roads

Plant..site

TROJAN
 TLD Direct Radiation Environmental Monitoring
 For the period 940315-940719 127 Days
 Field Time: 89 Days

NRC Sta	Location		Gross		Net Exposure Rate		Hist. Range	
	Azimuth/ (Deg)/(Mi)	Dist	Exposure +-Rdm; Tot.	(mR)	(mR/Std. Qtr.) +-Rdm; Tot.	Net Exp Rate +-1 Std Dev		
1	340	0.6	17.2 +- 0.5;	2.6	13.4 +- 0.6;	3.9	12.3 +- 1.1	
2	334	1.5	18.8 +- 0.6;	2.8	15.0 +- 0.7;	4.1	14.7 +- 0.9	
3	340	1.7	15.5 +- 0.5;	2.3	11.7 +- 0.6;	3.8	11.8 +- 0.8	
4	328	3.9	16.2 +- 0.5;	2.4	12.4 +- 0.6;	3.8	12.7 +- 1.0	
5	308	4.6	19.1 +- 0.6;	2.9	15.4 +- 0.7;	4.1	14.4 +- 1.2	
6	312	4.5	17.4 +- 0.5;	2.6	13.6 +- 0.6;	3.9	15.1 +- 1.7	
7	267	4.6	18.5 +- 0.6;	2.8	14.7 +- 0.7;	4.1	14.7 +- 0.9	
8	274	3.8	19.7 +- 0.6;	3.0	16.0 +- 0.7;	4.2	15.4 +- 1.1	
9	279	1.7	18.7 +- 0.6;	2.8	15.0 +- 0.7;	4.1	14.6 +- 1.3	
10	263	2.0	18.9 +- 0.6;	2.8	15.1 +- 0.7;	4.1	15.2 +- 0.8	
11	245	1.6	19.9 +- 0.6;	3.0	16.2 +- 0.7;	4.2	16.2 +- 1.6	
12	223	1.2	20.6 +- 0.6;	3.1	16.9 +- 0.7;	4.3	16.6 +- 1.4	
13	196	1.1	19.6 +- 0.6;	2.9	15.8 +- 0.7;	4.2	15.3 +- 1.0	
14	180	1.2	19.1 +- 0.6;	2.9	15.3 +- 0.7;	4.1	14.4 +- 1.1	
15	165	1.7	15.6 +- 0.5;	2.3	11.8 +- 0.6;	3.8	13.3 +- 1.4	
16	212	3.9	Missing Dosimeter		No Net Data		16.1 +- 2.1	
17	230	3.5	18.1 +- 0.5;	2.7	14.3 +- 0.6;	4.0	15.8 +- 1.3	
18	162	9.3	19.7 +- 0.6;	3.0	15.9 +- 0.7;	4.2	15.8 +- 1.3	
19	172	5.0	18.7 +- 0.6;	2.8	14.9 +- 0.7;	4.1	16.0 +- 1.5	
20	334	5.8	17.2 +- 0.5;	2.6	13.4 +- 0.6;	3.9	13.0 +- 1.3	
21	345	5.5	16.8 +- 0.5;	2.5	13.1 +- 0.6;	3.9	13.5 +- 1.2	
22	356	5.5	16.8 +- 0.5;	2.5	13.0 +- 0.6;	3.9	12.4 +- 1.4	
23	8	3.9	16.1 +- 0.5;	2.4	12.3 +- 0.6;	3.8	12.1 +- 1.3	
24	15	3.7	17.0 +- 0.5;	2.6	13.3 +- 0.6;	3.9	13.3 +- 1.2	
25	27	1.9	15.7 +- 0.5;	2.4	12.0 +- 0.6;	3.8	12.2 +- 1.3	
26	37	2.1	17.7 +- 0.5;	2.6	13.9 +- 0.6;	4.0	14.9 +- 1.5	
27	60	2.9	18.0 +- 0.5;	2.7	14.2 +- 0.6;	4.0	15.1 +- 1.2	
28	55	4.5	17.3 +- 0.5;	2.6	13.5 +- 0.6;	3.9	13.7 +- 1.6	
29	69	1.6	16.5 +- 0.5;	2.5	12.7 +- 0.6;	3.9	13.0 +- 2.0	
30	83	3.9	16.2 +- 0.5;	2.4	12.4 +- 0.6;	3.8	12.7 +- 1.3	
31	93	2.7	19.1 +- 0.6;	2.9	15.3 +- 0.7;	4.1	15.4 +- 1.3	
32	119	2.2	19.8 +- 0.6;	3.0	16.1 +- 0.7;	4.2	15.5 +- 1.3	
33	106	5.3	16.5 +- 0.5;	2.5	12.7 +- 0.6;	3.9	14.8 +- 2.7	
34	134	2.5	17.3 +- 0.5;	2.6	13.5 +- 0.6;	3.9	12.5 +- 1.3	
35	145	4.7	17.0 +- 0.5;	2.5	13.2 +- 0.6;	3.9	13.1 +- 1.2	
36	270	17.0	17.1 +- 0.5;	2.6	13.4 +- 0.6;	3.9	15.4 +- 2.3	
37	270	17.0	18.1 +- 0.5;	2.7	14.3 +- 0.6;	4.0	16.6 +- 2.2	
38	270	17.0	20.4 +- 0.6;	3.1	16.7 +- 0.7;	4.3	16.4 +- 1.5	

Transit Dose = 3.9 +- 0.3; 2.9

TROJAN

For the period 940315-940719

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	12.7 +- 0.5	2
11.26 - 33.75 NNE	12.6 +- 0.9	2
33.76 - 56.25 NE	13.7 +- 0.3	2
56.26 - 78.75 ENE	13.4 +- 1.0	2
78.76 - 101.25 E	13.9 +- 2.1	2
101.26 - 123.75 ESE	14.4 +- 2.4	2
123.76 - 146.25 SE	13.4 +- 0.2	2
146.26 - 168.75 SSE	13.8 +- 2.9	2
168.76 - 191.25 S	15.1 +- 0.3	2
191.26 - 213.75 SSW	15.8 +- 0.0	1
213.76 - 236.25 SW	15.6 +- 1.8	2
236.26 - 258.75 WSW	16.2 +- 0.0	1
258.76 - 281.25 W	15.2 +- 0.5	4
281.26 - 303.75 WNW	No Data +- No Data	0
303.76 - 326.25 NW	14.5 +- 1.3	2
326.26 - 348.75 NNW	13.2 +- 1.1	6

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	14.2 +- 1.8	12
2 - 5	14.1 +- 1.2	17
> 5	13.6 +- 1.3	5
Upwind Control	14.8 +- 1.7	3

NRC TLD DOSES FOR TROJAN AREA

Miles

Legend

Water

Highways

Railroads

Roads

Plant..site

TURKEY POINT

TLD Direct Radiation Environmental Monitoring

For the period 940316-940720 127 Days

Field Time: 92 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)		Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	310	1.3	13.8 +- 0.4; 2.1	11.5 +- 0.5; 3.4	11.9 +- 3.5
2	292	2.4	12.3 +- 0.4; 1.8	10.0 +- 0.5; 3.3	12.0 +- 3.5
3	340	1.9	14.6 +- 0.4; 2.2	12.3 +- 0.5; 3.5	12.4 +- 3.8
4	354	2.0	13.8 +- 0.4; 2.1	11.5 +- 0.5; 3.4	12.5 +- 3.9
5	314	3.8	14.1 +- 0.4; 2.1	11.8 +- 0.5; 3.5	12.0 +- 3.5
6	331	4.2	Missing Dosimeter	No Net Data	11.4 +- 3.6
7	291	5.4	13.4 +- 0.4; 2.0	11.1 +- 0.5; 3.4	12.3 +- 3.8
8	263	5.1	12.9 +- 0.4; 1.9	10.6 +- 0.5; 3.4	10.9 +- 3.2
9	242	5.7	Damaged Dosimeter	No Net Data	11.9 +- 4.1
10	234	6.2	13.9 +- 0.4; 2.1	11.6 +- 0.5; 3.4	12.4 +- 3.7
11	220	6.2	13.2 +- 0.4; 2.0	10.9 +- 0.5; 3.4	12.0 +- 4.0
12	213	6.9	13.4 +- 0.4; 2.0	11.1 +- 0.5; 3.4	11.6 +- 3.5
13	199	10.0	13.5 +- 0.4; 2.0	11.2 +- 0.5; 3.4	12.3 +- 3.6
14	90	10.0	Missing Dosimeter	No Net Data	11.7 +- 3.6
15	180	10.0	15.4 +- 0.5; 2.3	13.1 +- 0.5; 3.6	13.9 +- 3.7
16	171	10.0	15.2 +- 0.5; 2.3	12.8 +- 0.5; 3.6	13.9 +- 3.8
17	165	9.0	14.5 +- 0.4; 2.2	12.1 +- 0.5; 3.5	13.4 +- 3.8
18	203	16.0	14.7 +- 0.4; 2.2	12.4 +- 0.5; 3.5	12.7 +- 3.6
19	203	16.0	14.1 +- 0.4; 2.1	11.7 +- 0.5; 3.5	12.7 +- 3.8
20	203	16.0	15.3 +- 0.5; 2.3	13.0 +- 0.5; 3.6	13.9 +- 3.4
21	268	8.7	11.2 +- 0.3; 1.7	8.9 +- 0.4; 3.2	11.0 +- 3.7
22	256	8.0	13.2 +- 0.4; 2.0	10.9 +- 0.5; 3.4	12.6 +- 3.7
23	275	9.0	12.6 +- 0.4; 1.9	10.3 +- 0.5; 3.3	11.9 +- 3.8
24	285	9.0	15.4 +- 0.5; 2.3	13.0 +- 0.5; 3.6	14.1 +- 4.0
25	293	8.7	Missing Dosimeter	No Net Data	14.6 +- 3.5
26	301	8.4	15.6 +- 0.5; 2.3	13.2 +- 0.5; 3.6	13.9 +- 3.4
27	311	8.3	14.6 +- 0.4; 2.2	12.3 +- 0.5; 3.5	12.6 +- 3.4
28	327	8.2	15.9 +- 0.5; 2.4	13.5 +- 0.5; 3.6	14.2 +- 3.6
29	339	9.3	14.6 +- 0.4; 2.2	12.2 +- 0.5; 3.5	13.5 +- 3.7
30	350	8.7	13.5 +- 0.4; 2.0	11.1 +- 0.5; 3.4	12.8 +- 3.5
31	359	9.9	14.0 +- 0.4; 2.1	11.7 +- 0.5; 3.5	13.0 +- 3.5
32	2	18.0	14.1 +- 0.4; 2.1	11.7 +- 0.5; 3.5	13.5 +- 3.6
33	2	22.0	14.8 +- 0.4; 2.2	12.5 +- 0.5; 3.5	13.5 +- 3.6
34	18	24.0	13.6 +- 0.4; 2.0	11.3 +- 0.5; 3.4	13.6 +- 3.9
35	28	22.0	13.0 +- 0.4; 1.9	10.6 +- 0.5; 3.4	13.2 +- 4.2
36	15	0.3	12.2 +- 0.4; 1.8	9.9 +- 0.5; 3.3	11.8 +- 3.6
37	228	0.5	15.5 +- 0.5; 2.3	13.1 +- 0.5; 3.6	13.4 +- 3.8

Transit Dose = 2.1 +- 0.3; 2.8

TURKEY POINT

For the period 940316-940720

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	11.7 +- 0.5	5
11.26 - 33.75 NNE	10.6 +- 0.7	3
33.76 - 56.25 NE	No Data +- No Data	0
56.26 - 78.75 ENE	No Data +- No Data	0
78.76 - 101.25 E	No Data +- No Data	0
101.26 - 123.75 ESE	No Data +- No Data	0
123.76 - 146.25 SE	No Data +- No Data	0
146.26 - 168.75 SSE	12.1 +- 0.0	1
168.76 - 191.25 S	12.9 +- 0.2	2
191.26 - 213.75 SSW	11.1 +- 0.1	2
213.76 - 236.25 SW	11.9 +- 1.2	3
236.26 - 258.75 WSW	10.9 +- 0.0	1
258.76 - 281.25 W	9.9 +- 0.9	3
281.26 - 303.75 WNW	11.8 +- 1.5	4
303.76 - 326.25 NW	11.8 +- 0.4	3
326.26 - 348.75 NNW	12.7 +- 0.8	3

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	11.6 +- 1.2	5
2 - 5	10.9 +- 1.2	2
> 5	11.6 +- 1.1	23
Upwind Control	12.4 +- 0.6	3

NRC TLD DOSES FOR TURKEY POINT AREA

Miles

Legend

Water
Highways

Railroads
Roads

Plant..site

VERMONT YANKEE

TLD Direct Radiation Environmental Monitoring

For the period 940316-940720 127 Days

Field Time: 92 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)	Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	142 1.0	19.1 +- 0.6; 2.9	16.5 +- 0.6; 3.9	15.9 +- 2.1
2	158 1.0	18.7 +- 0.6; 2.8	16.2 +- 0.6; 3.9	16.8 +- 1.7
3	184 1.3	17.9 +- 0.5; 2.7	15.4 +- 0.6; 3.8	16.2 +- 1.6
4	201 1.4	19.1 +- 0.6; 2.9	16.6 +- 0.6; 3.9	16.7 +- 1.9
5	220 1.6	20.6 +- 0.6; 3.1	18.0 +- 0.7; 4.1	16.9 +- 2.0
6	157 3.4	22.5 +- 0.7; 3.4	19.9 +- 0.7; 4.3	16.9 +- 2.5
7	189 4.9	19.9 +- 0.6; 3.0	17.4 +- 0.7; 4.0	16.6 +- 1.9
8	201 13.0	20.0 +- 0.6; 3.0	17.4 +- 0.7; 4.0	16.3 +- 1.6
9	208 5.8	19.9 +- 0.6; 3.0	17.4 +- 0.7; 4.0	16.4 +- 1.8
10	232 3.7	21.3 +- 0.6; 3.2	18.7 +- 0.7; 4.2	18.8 +- 2.1
11	277 2.9	20.7 +- 0.6; 3.1	18.1 +- 0.7; 4.1	17.5 +- 2.0
12	292 1.4	20.5 +- 0.6; 3.1	17.9 +- 0.7; 4.1	17.3 +- 2.1
13	314 1.4	19.6 +- 0.6; 2.9	17.1 +- 0.6; 4.0	16.6 +- 1.9
14	310 4.2	18.5 +- 0.6; 2.8	16.0 +- 0.6; 3.9	16.5 +- 1.5
15	299 4.3	19.2 +- 0.6; 2.9	16.6 +- 0.6; 4.0	16.1 +- 3.0
16	270 4.5	16.4 +- 0.5; 2.5	13.9 +- 0.6; 3.7	14.9 +- 1.8
17	331 5.0	19.3 +- 0.6; 2.9	16.8 +- 0.6; 4.0	17.2 +- 1.6
18	290 19.0	21.6 +- 0.6; 3.2	19.0 +- 0.7; 4.2	18.8 +- 1.9
19	290 19.0	19.0 +- 0.6; 2.8	16.5 +- 0.6; 3.9	18.2 +- 2.1
20	290 19.0	20.7 +- 0.6; 3.1	18.1 +- 0.7; 4.1	18.3 +- 2.1
21	359 3.2	19.7 +- 0.6; 3.0	17.2 +- 0.6; 4.0	16.9 +- 1.7
23	334 2.2	19.1 +- 0.6; 2.9	16.6 +- 0.6; 3.9	16.3 +- 1.9
24	4 0.9	19.6 +- 0.6; 2.9	17.1 +- 0.6; 4.0	17.1 +- 1.7
25	30 1.0	18.6 +- 0.6; 2.8	16.0 +- 0.6; 3.9	16.0 +- 1.8
26	72 1.5	19.9 +- 0.6; 3.0	17.3 +- 0.6; 4.0	17.5 +- 1.6
27	44 0.7	18.9 +- 0.6; 2.8	16.4 +- 0.6; 3.9	16.7 +- 1.8
28	39 2.8	21.0 +- 0.6; 3.1	18.4 +- 0.7; 4.1	18.1 +- 2.5
29	25 3.8	22.9 +- 0.7; 3.4	20.3 +- 0.7; 4.4	19.6 +- 2.2
30	72 2.7	21.4 +- 0.6; 3.2	18.8 +- 0.7; 4.2	19.1 +- 2.7
31	85 2.0	20.0 +- 0.6; 3.0	17.5 +- 0.7; 4.0	17.1 +- 1.9
32	111 1.8	18.8 +- 0.6; 2.8	16.3 +- 0.6; 3.9	16.8 +- 1.8
33	134 4.0	19.3 +- 0.6; 2.9	16.7 +- 0.6; 4.0	16.6 +- 1.7
34	151 6.0	17.5 +- 0.5; 2.6	15.0 +- 0.6; 3.8	14.9 +- 1.6
35	111 4.3	Damaged Dosimeter	No Net Data	18.8 +- 1.8
36	92 4.7	22.2 +- 0.7; 3.3	19.6 +- 0.7; 4.3	19.3 +- 2.0
37	50 15.0	24.5 +- 0.7; 3.7	21.9 +- 0.8; 4.5	20.8 +- 1.4
39	222 0.3	20.9 +- 0.6; 3.1	18.4 +- 0.7; 4.1	18.3 +- 1.8
40	250 3.0	19.8 +- 0.6; 3.0	17.2 +- 0.6; 4.0	17.2 +- 1.9

Transit Dose = 2.2 +- 0.3; 2.8

VERMONT YANKEE

For the period 940316-940720

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	17.1 +- 0.1	2
11.26 - 33.75 NNE	18.1 +- 3.0	2
33.76 - 56.25 NE	21.9 +- 0.0	1
56.26 - 78.75 ENE	18.8 +- 0.0	1
78.76 - 101.25 E	18.5 +- 1.5	2
101.26 - 123.75 ESE	16.3 +- 0.0	1
123.76 - 146.25 SE	16.6 +- 0.1	2
146.26 - 168.75 SSE	17.0 +- 2.6	3
168.76 - 191.25 S	16.4 +- 1.4	2
191.26 - 213.75 SSW	17.1 +- 0.5	3
213.76 - 236.25 SW	18.4 +- 0.4	3
236.26 - 258.75 WSW	17.2 +- 0.0	1
258.76 - 281.25 W	16.0 +- 3.0	2
281.26 - 303.75 WNW	17.6 +- 1.1	5
303.76 - 326.25 NW	16.5 +- 0.8	2
326.26 - 348.75 NNW	16.7 +- 0.2	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	16.9 +- 0.9	12
2 - 5	17.6 +- 1.7	15
> 5	17.9 +- 2.2	7
Upwind Control	17.4 +- 1.0	3

NRC TLD DOSES FOR VERMONT YANKEE AREA

Miles

Legend

Water

Highways

Railroads

Roads

Plant..site

VOGTLE (GA)

TLD Direct Radiation Environmental Monitoring

For the period 940316-940721 128 Days

Field Time: 85 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)	Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	298 1.6	17.3 +- 0.5; 2.6	11.3 +- 0.7; 4.2	14.2 +- 1.8
2	309 1.6	17.6 +- 0.5; 2.6	11.6 +- 0.7; 4.3	14.2 +- 2.0
3	336 1.4	16.5 +- 0.5; 2.5	10.5 +- 0.7; 4.2	14.2 +- 2.7
4	270 1.3	16.3 +- 0.5; 2.4	10.2 +- 0.7; 4.1	14.0 +- 2.1
5	247 1.2	17.7 +- 0.5; 2.7	11.7 +- 0.7; 4.3	14.7 +- 1.9
6	215 1.2	20.4 +- 0.6; 3.1	14.6 +- 0.8; 4.6	18.1 +- 2.0
7	205 1.2	22.0 +- 0.7; 3.3	16.3 +- 0.8; 4.8	17.3 +- 1.6
8	180 1.1	21.9 +- 0.7; 3.3	16.2 +- 0.8; 4.7	17.2 +- 1.6
9	153 1.2	19.7 +- 0.6; 3.0	13.9 +- 0.8; 4.5	15.8 +- 2.1
10	134 3.2	20.2 +- 0.6; 3.0	14.4 +- 0.8; 4.5	17.2 +- 1.9
11	103 1.1	14.7 +- 0.4; 2.2	8.5 +- 0.6; 4.0	12.8 +- 3.0
12	134 3.3	17.6 +- 0.5; 2.6	11.6 +- 0.7; 4.3	14.9 +- 2.0
13	123 4.2	17.6 +- 0.5; 2.6	11.6 +- 0.7; 4.3	15.2 +- 1.7
14	141 4.6	15.8 +- 0.5; 2.4	9.7 +- 0.7; 4.1	14.4 +- 3.7
15	153 5.3	15.9 +- 0.5; 2.4	9.8 +- 0.7; 4.1	13.2 +- 1.8
16	162 6.3	18.7 +- 0.6; 2.8	12.8 +- 0.7; 4.4	15.3 +- 2.3
17	157 7.3	17.2 +- 0.5; 2.6	11.2 +- 0.7; 4.2	17.9 +- 2.7
18	191 4.8	16.4 +- 0.5; 2.5	10.3 +- 0.7; 4.1	13.7 +- 1.9
19	208 4.7	16.5 +- 0.5; 2.5	10.4 +- 0.7; 4.1	13.0 +- 2.0
20	232 4.9	16.2 +- 0.5; 2.4	10.2 +- 0.7; 4.1	13.6 +- 2.1
21	250 5.6	18.9 +- 0.6; 2.8	13.0 +- 0.7; 4.4	14.5 +- 2.0
22	264 4.3	17.0 +- 0.5; 2.6	11.0 +- 0.7; 4.2	14.2 +- 2.1
23	301 4.2	15.0 +- 0.4; 2.2	8.9 +- 0.6; 4.0	14.8 +- 2.0
24	308 4.6	15.8 +- 0.5; 2.4	9.7 +- 0.7; 4.1	14.6 +- 2.7
25	329 6.7	18.9 +- 0.6; 2.8	13.0 +- 0.7; 4.4	16.2 +- 3.1
26	258 15.0	20.1 +- 0.6; 3.0	14.2 +- 0.8; 4.5	17.4 +- 2.3
27	300 13.0	22.0 +- 0.7; 3.3	16.3 +- 0.8; 4.8	17.1 +- 1.4
28	330 30.0	18.4 +- 0.6; 2.8	12.4 +- 0.7; 4.3	14.4 +- 2.1

Transit Dose = 6.6 +- 0.4; 3.0

VOGTLE (GA)
For the period 940316-940721

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	No Data +- No Data	0
11.26 - 33.75 NNE	No Data +- No Data	0
33.76 - 56.25 NE	No Data +- No Data	0
56.26 - 78.75 ENE	No Data +- No Data	0
78.76 - 101.25 E	No Data +- No Data	0
101.26 - 123.75 ESE	10.1 +- 2.2	2
123.76 - 146.25 SE	11.9 +- 2.4	3
146.26 - 168.75 SSE	11.9 +- 1.8	4
168.76 - 191.25 S	13.2 +- 4.1	2
191.26 - 213.75 SSW	13.4 +- 4.2	2
213.76 - 236.25 SW	12.4 +- 3.2	2
236.26 - 258.75 WSW	12.4 +- 0.9	2
258.76 - 281.25 W	10.6 +- 0.6	2
281.26 - 303.75 WNW	10.1 +- 1.8	2
303.76 - 326.25 NW	10.7 +- 1.3	2
326.26 - 348.75 NNW	11.8 +- 1.8	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	12.5 +- 2.6	10
2 - 5	10.8 +- 1.5	10
> 5	12.0 +- 1.4	5
Upwind Control	14.3 +- 2.0	3

NRC TLD DOSES FOR VOGTLE AREA

Miles

Legend

Water

Railroads

Roads

Plant..site

VOGTLE (SC)

TLD Direct Radiation Environmental Monitoring

For the period 940316-940721 128 Days

Field Time: 85 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)	Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
31	357 5.2	22.9 +- 0.7; 3.4	19.1 +- 0.8; 4.7	17.4 +- 3.9
32	26 4.9	18.6 +- 0.6; 2.8	14.5 +- 0.7; 4.2	12.3 +- 2.8
33	17 3.2	17.8 +- 0.5; 2.7	13.6 +- 0.7; 4.2	12.6 +- 2.5
34	36 3.9	18.8 +- 0.6; 2.8	14.8 +- 0.7; 4.3	13.9 +- 2.4
35	48 2.4	25.5 +- 0.8; 3.8	21.8 +- 0.9; 5.1	18.5 +- 2.8
36	69 2.8	20.3 +- 0.6; 3.0	16.3 +- 0.7; 4.4	14.4 +- 2.8
37	74 4.4	19.4 +- 0.6; 2.9	15.4 +- 0.7; 4.3	14.0 +- 4.3
38	94 4.5	19.7 +- 0.6; 3.0	15.7 +- 0.7; 4.4	13.6 +- 2.7

Transit Dose = 4.9 +- 0.4; 2.9

VOGTLE (SC)

For the period 940316-940721

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	19.1 +- 0.0	1
11.26 - 33.75 NNE	14.0 +- 0.6	2
33.76 - 56.25 NE	18.3 +- 4.9	2
56.26 - 78.75 ENE	15.8 +- 0.6	2
78.76 - 101.25 E	15.7 +- 0.0	1
101.26 - 123.75 ESE	No Data +- No Data	0
123.76 - 146.25 SE	No Data +- No Data	0
146.26 - 168.75 SSE	No Data +- No Data	0
168.76 - 191.25 S	No Data +- No Data	0
191.26 - 213.75 SSW	No Data +- No Data	0
213.76 - 236.25 SW	No Data +- No Data	0
236.26 - 258.75 WSW	No Data +- No Data	0
258.76 - 281.25 W	No Data +- No Data	0
281.26 - 303.75 WNW	No Data +- No Data	0
303.76 - 326.25 NW	No Data +- No Data	0
326.26 - 348.75 NNW	No Data +- No Data	0

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	No Data +- No Data	0
2 - 5	16.0 +- 2.7	7
> 5	19.1 +- 0.0	1
Upwind Control	No Data +- No Data	0

NRC TLD DOSES FOR VOGTLE AREA

Miles

Legend

Water

Railroads

Roads

Plant..site

WASHINGTON NUCLEAR 2
 TLD Direct Radiation Environmental Monitoring
 For the period 940314-940714 123 Days
 Field Time: 92 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)		Gross Exposure (mR) +-Rdm; Tot.			Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.			Hist. Range Net Exp Rate +-1 Std Dev		
=====	=====		=====			=====			=====		
1	174	12.0	22.7	+-	0.7; 3.4	17.9	+-	0.8; 4.5	17.9	+-	1.0
2	163	11.0	21.5	+-	0.6; 3.2	16.7	+-	0.7; 4.3	17.6	+-	1.1
3	161	9.0	21.3	+-	0.6; 3.2	16.5	+-	0.7; 4.3	17.3	+-	1.0
4	152	5.0	23.9	+-	0.7; 3.6	19.0	+-	0.8; 4.6	18.7	+-	1.0
5	195	2.0	22.7	+-	0.7; 3.4	17.8	+-	0.8; 4.5	17.9	+-	1.0
6	220	1.5	22.3	+-	0.7; 3.3	17.5	+-	0.7; 4.4	18.0	+-	1.5
7	92	3.0	24.0	+-	0.7; 3.6	19.1	+-	0.8; 4.6	19.2	+-	1.4
8	155	1.0	21.8	+-	0.7; 3.3	17.0	+-	0.7; 4.4	17.2	+-	1.4
9	130	0.5	22.4	+-	0.7; 3.4	17.6	+-	0.7; 4.4	18.2	+-	1.2
10	70	0.5	22.3	+-	0.7; 3.3	17.5	+-	0.7; 4.4	18.5	+-	1.5
11	25	0.8	23.0	+-	0.7; 3.4	18.1	+-	0.8; 4.5	18.4	+-	1.1
12	315	0.5	22.6	+-	0.7; 3.4	17.7	+-	0.7; 4.4	18.7	+-	1.4
13	290	0.5	24.8	+-	0.7; 3.7	19.9	+-	0.8; 4.7	22.4	+-	3.1
14	270	0.5	22.0	+-	0.7; 3.3	17.2	+-	0.7; 4.4	18.4	+-	1.3
15	245	1.8	23.2	+-	0.7; 3.5	18.3	+-	0.8; 4.5	18.6	+-	1.1
16	285	3.0	23.5	+-	0.7; 3.5	18.6	+-	0.8; 4.5	19.1	+-	1.3
17	240	4.0	21.4	+-	0.6; 3.2	16.6	+-	0.7; 4.3	17.3	+-	1.3
18	198	7.0	21.2	+-	0.6; 3.2	16.4	+-	0.7; 4.3	17.1	+-	1.5
19	173	8.5	23.2	+-	0.7; 3.5	18.4	+-	0.8; 4.5	18.3	+-	1.1
20	150	20.0	22.5	+-	0.7; 3.4	17.7	+-	0.7; 4.4	18.4	+-	1.1
21	114	7.0	22.6	+-	0.7; 3.4	17.8	+-	0.8; 4.5	18.8	+-	1.5
22	120	8.0	23.0	+-	0.7; 3.4	18.2	+-	0.8; 4.5	17.8	+-	1.1
23	134	6.0	25.1	+-	0.8; 3.8	20.2	+-	0.8; 4.7	20.1	+-	1.4
24	110	4.0	27.9	+-	0.8; 4.2	23.0	+-	0.9; 5.1	22.1	+-	1.4
25	85	5.0	23.9	+-	0.7; 3.6	19.0	+-	0.8; 4.6	18.8	+-	1.4
26	65	5.0	25.8	+-	0.8; 3.9	20.9	+-	0.8; 4.8	20.4	+-	1.5
27	53	4.0	23.0	+-	0.7; 3.5	18.2	+-	0.8; 4.5	18.0	+-	1.4
28	44	8.0	24.4	+-	0.7; 3.7	19.5	+-	0.8; 4.6	20.0	+-	1.6
29	33	10.0	23.3	+-	0.7; 3.5	18.4	+-	0.8; 4.5	18.5	+-	1.9
30	8	9.5	24.9	+-	0.7; 3.7	20.0	+-	0.8; 4.7	19.7	+-	1.6
31	215	15.0	21.9	+-	0.7; 3.3	17.1	+-	0.7; 4.4	17.5	+-	1.3

Transit Dose = 4.4 +- 0.4; 3.0

WASHINGTON NUCLEAR 2
For the period 940314-940714

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	20.0 +- 0.0	1
11.26 - 33.75 NNE	18.3 +- 0.2	2
33.76 - 56.25 NE	18.9 +- 1.0	2
56.26 - 78.75 ENE	19.2 +- 2.4	2
78.76 - 101.25 E	19.1 +- 0.1	2
101.26 - 123.75 ESE	19.6 +- 2.9	3
123.76 - 146.25 SE	18.9 +- 1.9	2
146.26 - 168.75 SSE	17.4 +- 1.0	5
168.76 - 191.25 S	18.4 +- 0.0	1
191.26 - 213.75 SSW	17.1 +- 1.0	2
213.76 - 236.25 SW	17.5 +- 0.0	1
236.26 - 258.75 WSW	17.5 +- 1.2	2
258.76 - 281.25 W	17.2 +- 0.0	1
281.26 - 303.75 WNW	19.3 +- 0.9	2
303.76 - 326.25 NW	17.7 +- 0.0	1
326.26 - 348.75 NNW	No Data +- No Data	0

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	17.9 +- 0.8	10
2 - 5	19.3 +- 1.9	8
> 5	18.2 +- 1.3	11
Upwind Control	17.5 +- 0.6	2

NRC TLD DOSES FOR WNP-2 AREA

Miles

Legend

Water
Highways

Railroads
Roads

Plant site

WATERFORD

TLD Direct Radiation Environmental Monitoring

For the period 940315-940714 122 Days

Field Time: 84 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)	Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	101 0.4	16.5 +- 0.5; 2.5	15.1 +- 0.6; 3.9	16.1 +- 2.5
2	116 1.1	14.4 +- 0.4; 2.2	12.9 +- 0.5; 3.6	15.7 +- 2.7
3	132 1.3	19.1 +- 0.6; 2.9	17.9 +- 0.7; 4.2	17.9 +- 2.6
4	160 1.8	Missing Dosimeter	No Net Data	15.9 +- 2.5
5	183 1.4	18.0 +- 0.5; 2.7	16.7 +- 0.7; 4.0	15.5 +- 2.3
6	202 1.2	16.0 +- 0.5; 2.4	14.6 +- 0.6; 3.8	16.1 +- 2.7
7	226 1.2	16.9 +- 0.5; 2.5	15.6 +- 0.6; 3.9	15.5 +- 2.3
8	248 1.3	18.1 +- 0.5; 2.7	16.8 +- 0.7; 4.0	17.4 +- 2.3
9	265 1.9	Missing Dosimeter	No Net Data	14.9 +- 2.7
10	186 4.2	19.2 +- 0.6; 2.9	18.0 +- 0.7; 4.2	17.3 +- 2.4
11	315 4.4	16.3 +- 0.5; 2.4	14.9 +- 0.6; 3.8	16.5 +- 2.5
12	328 4.1	17.7 +- 0.5; 2.7	16.5 +- 0.6; 4.0	17.3 +- 2.5
13	309 0.8	16.1 +- 0.5; 2.4	14.7 +- 0.6; 3.8	15.4 +- 2.3
14	273 0.9	16.7 +- 0.5; 2.5	15.3 +- 0.6; 3.9	17.7 +- 3.1
15	292 0.8	13.5 +- 0.4; 2.0	11.9 +- 0.5; 3.6	14.2 +- 2.7
16	335 0.5	14.6 +- 0.4; 2.2	13.2 +- 0.6; 3.7	13.9 +- 2.3
17	120 4.3	15.5 +- 0.5; 2.3	14.1 +- 0.6; 3.8	14.0 +- 2.5
18	145 3.5	15.6 +- 0.5; 2.3	14.1 +- 0.6; 3.8	14.6 +- 1.6
19	153 8.1	16.6 +- 0.5; 2.5	15.2 +- 0.6; 3.9	16.4 +- 2.7
20	133 8.1	16.0 +- 0.5; 2.4	14.6 +- 0.6; 3.8	16.4 +- 2.6
21	116 6.7	17.1 +- 0.5; 2.6	15.8 +- 0.6; 3.9	15.2 +- 2.7
22	95 4.3	16.6 +- 0.5; 2.5	15.3 +- 0.6; 3.9	15.7 +- 2.4
23	86 2.6	17.3 +- 0.5; 2.6	16.0 +- 0.6; 4.0	15.5 +- 2.5
24	66 4.2	19.2 +- 0.6; 2.9	18.1 +- 0.7; 4.2	18.5 +- 2.6
25	37 3.5	18.3 +- 0.5; 2.7	17.1 +- 0.7; 4.1	16.9 +- 2.6
26	23 3.8	16.2 +- 0.5; 2.4	14.8 +- 0.6; 3.8	14.5 +- 2.6
27	350 4.9	16.9 +- 0.5; 2.5	15.5 +- 0.6; 3.9	15.7 +- 2.5
28	335 5.0	16.4 +- 0.5; 2.5	15.0 +- 0.6; 3.9	16.0 +- 2.5
29	6 2.8	14.9 +- 0.4; 2.2	13.5 +- 0.6; 3.7	14.4 +- 2.7
30	356 1.1	18.8 +- 0.6; 2.8	17.6 +- 0.7; 4.1	15.6 +- 2.8
31	15 0.8	16.1 +- 0.5; 2.4	14.7 +- 0.6; 3.8	16.5 +- 2.8
32	40 0.8	12.8 +- 0.4; 1.9	11.2 +- 0.5; 3.5	14.5 +- 2.9
33	69 1.1	Missing Dosimeter	No Net Data	16.2 +- 3.7
34	292 15.0	15.5 +- 0.5; 2.3	14.1 +- 0.6; 3.8	16.0 +- 2.8
35	282 27.0	17.6 +- 0.5; 2.6	16.4 +- 0.6; 4.0	17.9 +- 2.8
36	268 21.0	14.4 +- 0.4; 2.2	12.9 +- 0.6; 3.6	14.9 +- 2.8

Transit Dose = 2.4 +- 0.3; 2.6

WATERFORD

For the period 940315-940714

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	15.5 +- 2.1	3
11.26 - 33.75 NNE	14.8 +- 0.1	2
33.76 - 56.25 NE	14.1 +- 4.2	2
56.26 - 78.75 ENE	18.1 +- 0.0	1
78.76 - 101.25 E	15.5 +- 0.4	3
101.26 - 123.75 ESE	14.3 +- 1.5	3
123.76 - 146.25 SE	15.6 +- 2.1	3
146.26 - 168.75 SSE	15.2 +- 0.0	1
168.76 - 191.25 S	17.4 +- 0.9	2
191.26 - 213.75 SSW	14.6 +- 0.0	1
213.76 - 236.25 SW	15.6 +- 0.0	1
236.26 - 258.75 WSW	16.8 +- 0.0	1
258.76 - 281.25 W	15.3 +- 0.0	1
281.26 - 303.75 WNW	11.9 +- 0.0	1
303.76 - 326.25 NW	14.8 +- 0.1	2
326.26 - 348.75 NNW	14.9 +- 1.7	3

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	14.9 +- 2.0	14
2 - 5	15.6 +- 1.5	13
> 5	15.2 +- 0.6	3
Upwind Control	14.4 +- 1.8	3

NRC TLD DOSES FOR WATERFORD AREA

Miles

Legend

Water

Highways

Railroads

Roads

Plant..site

WATTS BAR

TLD Direct Radiation Environmental Monitoring

For the period 940316-940720 127 Days

Field Time: 92 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)	Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	337 0.9	18.2 +- 0.5; 2.7	No Net Data	17.0 +- 2.4
2	314 2.1	19.1 +- 0.6; 2.9	No Net Data	17.2 +- 2.5
3	297 1.9	18.4 +- 0.6; 2.8	No Net Data	17.2 +- 2.7
4	272 2.0	19.1 +- 0.6; 2.9	No Net Data	16.6 +- 2.6
5	251 1.9	21.4 +- 0.6; 3.2	No Net Data	18.9 +- 2.6
6	235 1.8	20.3 +- 0.6; 3.0	No Net Data	20.5 +- 3.0
7	230 3.8	21.6 +- 0.6; 3.2	No Net Data	19.4 +- 2.7
8	208 3.6	20.1 +- 0.6; 3.0	No Net Data	18.0 +- 2.7
9	249 4.2	21.7 +- 0.6; 3.2	No Net Data	15.4 +- 2.4
10	266 3.1	18.7 +- 0.6; 2.8	No Net Data	16.6 +- 2.4
11	289 3.3	16.9 +- 0.5; 2.5	No Net Data	14.2 +- 2.4
12	310 4.7	17.1 +- 0.5; 2.6	No Net Data	14.5 +- 2.6
13	337 3.6	20.2 +- 0.6; 3.0	No Net Data	15.3 +- 2.9
14	330 7.0	17.4 +- 0.5; 2.6	No Net Data	15.2 +- 2.4
15	350 4.7	19.6 +- 0.6; 2.9	No Net Data	18.5 +- 2.8
16	7 1.1	23.2 +- 0.7; 3.5	No Net Data	19.9 +- 2.7
17	23 1.6	16.0 +- 0.5; 2.4	No Net Data	13.0 +- 2.3
18	41 2.3	19.4 +- 0.6; 2.9	No Net Data	16.0 +- 2.6
19	69 1.3	21.0 +- 0.6; 3.2	No Net Data	18.6 +- 2.3
20	89 1.2	18.8 +- 0.6; 2.8	No Net Data	20.0 +- 2.9
21	114 1.1	18.4 +- 0.6; 2.8	No Net Data	15.7 +- 2.5
22	141 1.0	18.6 +- 0.6; 2.8	No Net Data	19.0 +- 2.5
23	163 1.1	23.2 +- 0.7; 3.5	No Net Data	21.9 +- 2.7
24	187 1.1	21.8 +- 0.7; 3.3	No Net Data	18.0 +- 2.8
25	203 1.2	15.4 +- 0.5; 2.3	No Net Data	18.0 +- 3.2
26	184 5.9	19.6 +- 0.6; 2.9	No Net Data	17.8 +- 3.0
27	176 4.5	18.9 +- 0.6; 2.8	No Net Data	17.2 +- 2.7
28	161 3.5	19.4 +- 0.6; 2.9	No Net Data	16.1 +- 2.3
29	144 3.0	19.5 +- 0.6; 2.9	No Net Data	16.6 +- 2.7
30	117 3.1	18.1 +- 0.5; 2.7	No Net Data	15.7 +- 2.7
31	97 4.0	18.0 +- 0.5; 2.7	No Net Data	16.2 +- 2.6
32	76 4.1	16.6 +- 0.5; 2.5	No Net Data	13.7 +- 2.4
33	32 4.1	18.4 +- 0.6; 2.8	No Net Data	16.9 +- 2.6
34	36 4.7	15.5 +- 0.5; 2.3	No Net Data	13.8 +- 2.5
35	38 19.0	18.2 +- 0.5; 2.7	No Net Data	15.5 +- 2.5
36	38 19.0	17.4 +- 0.5; 2.6	No Net Data	16.6 +- 3.9
37	38 19.0	19.2 +- 0.6; 2.9	No Net Data	17.1 +- 2.5

No Transit Dose Calculated. (TLD Control Is Damaged.)

WATTS BAR

For the period 940316-940720

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	15.1 +- 1.8	2
11.26 - 33.75 NNE	12.2 +- 1.2	2
33.76 - 56.25 NE	12.3 +- 2.0	2
56.26 - 78.75 ENE	13.3 +- 2.2	2
78.76 - 101.25 E	13.0 +- 0.4	2
101.26 - 123.75 ESE	12.9 +- 0.2	2
123.76 - 146.25 SE	13.5 +- 0.5	2
146.26 - 168.75 SSE	15.1 +- 1.9	2
168.76 - 191.25 S	14.2 +- 1.1	3
191.26 - 213.75 SSW	12.6 +- 2.3	2
213.76 - 236.25 SW	14.9 +- 0.7	2
236.26 - 258.75 WSW	15.3 +- 0.1	2
258.76 - 281.25 W	13.4 +- 0.2	2
281.26 - 303.75 WNW	12.5 +- 0.7	2
303.76 - 326.25 NW	12.8 +- 1.0	2
326.26 - 348.75 NNW	13.2 +- 1.0	3

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	13.9 +- 1.7	14
2 - 5	13.3 +- 1.2	18
> 5	13.1 +- 1.1	2
Upwind Control	12.9 +- 0.6	3

NRC TLD DOSES FOR WATTS BAR AREA

Miles

Legend

Water
Highways

Railroads
Roads

Plant site

WOLF CREEK

TLD Direct Radiation Environmental Monitoring

For the period 940315-940721 129 Days

Field Time: 91 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)		Gross Exposure (mR) +-Rdm; Tot.			Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.			Hist. Range Net Exp Rate +-1 Std Dev	
1	316	2.9	25.4	+-	0.8; 3.8	20.0	+-	0.8; 4.8	19.7	+- 1.9
2	330	1.8	24.3	+-	0.7; 3.6	18.9	+-	0.8; 4.7	18.5	+- 1.8
3	360	2.8	23.3	+-	0.7; 3.5	17.9	+-	0.8; 4.6	18.9	+- 1.9
4	355	1.6	23.1	+-	0.7; 3.5	17.7	+-	0.8; 4.6	19.5	+- 2.0
5	31	1.8	24.2	+-	0.7; 3.6	18.8	+-	0.8; 4.7	19.7	+- 2.1
6	47	2.0	20.2	+-	0.6; 3.0	14.9	+-	0.7; 4.3	17.3	+- 2.1
7	70	1.6	22.3	+-	0.7; 3.3	16.9	+-	0.8; 4.5	18.2	+- 1.9
8	90	1.7	24.8	+-	0.7; 3.7	19.4	+-	0.8; 4.8	20.2	+- 1.9
9	111	2.4	25.1	+-	0.8; 3.8	19.7	+-	0.8; 4.8	19.6	+- 1.9
10	137	2.5	23.2	+-	0.7; 3.5	17.8	+-	0.8; 4.6	19.2	+- 1.8
11	157	3.4	25.0	+-	0.8; 3.8	19.6	+-	0.8; 4.8	20.7	+- 1.8
12	184	3.3	25.4	+-	0.8; 3.8	20.0	+-	0.8; 4.8	20.1	+- 1.8
13	213	2.9	22.2	+-	0.7; 3.3	16.8	+-	0.8; 4.5	19.7	+- 2.0
14	233	2.4	23.7	+-	0.7; 3.6	18.3	+-	0.8; 4.7	19.8	+- 2.0
15	248	2.2	23.9	+-	0.7; 3.6	18.5	+-	0.8; 4.7	19.4	+- 1.8
16	278	2.1	24.0	+-	0.7; 3.6	18.6	+-	0.8; 4.7	19.7	+- 1.6
17	270	3.4	20.6	+-	0.6; 3.1	15.2	+-	0.7; 4.3	16.0	+- 1.7
18	263	4.2	27.7	+-	0.8; 4.2	22.3	+-	0.9; 5.1	21.5	+- 2.0
19	257	5.0	23.7	+-	0.7; 3.6	18.3	+-	0.8; 4.6	19.5	+- 1.9
20	280	3.9	23.0	+-	0.7; 3.5	17.6	+-	0.8; 4.6	18.3	+- 1.5
21	298	3.9	25.1	+-	0.8; 3.8	19.7	+-	0.8; 4.8	19.8	+- 1.7
22	319	4.8	22.8	+-	0.7; 3.4	17.4	+-	0.8; 4.5	18.1	+- 2.1
23	332	5.0	25.1	+-	0.8; 3.8	19.7	+-	0.8; 4.8	19.2	+- 1.8
24	19	3.9	23.4	+-	0.7; 3.5	18.0	+-	0.8; 4.6	19.6	+- 1.7
25	35	4.4	21.4	+-	0.6; 3.2	16.0	+-	0.7; 4.4	17.0	+- 1.7
26	67	4.3	22.3	+-	0.7; 3.3	16.9	+-	0.8; 4.5	18.2	+- 1.9
27	88	4.1	25.1	+-	0.8; 3.8	19.6	+-	0.8; 4.8	19.4	+- 2.1
28	110	4.5	24.6	+-	0.7; 3.7	19.2	+-	0.8; 4.8	19.8	+- 1.7
29	128	4.4	24.3	+-	0.7; 3.6	18.8	+-	0.8; 4.7	20.2	+- 2.0
30	112	16.0	19.8	+-	0.6; 3.0	14.5	+-	0.7; 4.2	17.4	+- 2.0
31	127	9.4	21.1	+-	0.6; 3.2	15.8	+-	0.7; 4.4	17.1	+- 1.8
32	62	11.0	20.0	+-	0.6; 3.0	14.6	+-	0.7; 4.2	17.5	+- 2.0
33	153	5.2	22.4	+-	0.7; 3.4	17.0	+-	0.8; 4.5	19.0	+- 2.0
34	174	4.7	25.4	+-	0.8; 3.8	20.0	+-	0.8; 4.8	20.2	+- 1.9
35	197	5.2	26.6	+-	0.8; 4.0	21.2	+-	0.9; 5.0	20.5	+- 2.0
36	224	4.8	23.1	+-	0.7; 3.5	17.7	+-	0.8; 4.6	18.3	+- 1.7
37	220	14.0	20.1	+-	0.6; 3.0	14.7	+-	0.7; 4.3	15.6	+- 1.5
38	253	6.5	26.0	+-	0.8; 3.9	20.5	+-	0.9; 4.9	19.9	+- 2.3
39	278	10.0	23.2	+-	0.7; 3.5	17.8	+-	0.8; 4.6	18.9	+- 2.0
40	285	15.0	21.9	+-	0.7; 3.3	16.5	+-	0.8; 4.4	16.9	+- 1.6
41	292	6.7	21.4	+-	0.6; 3.2	16.0	+-	0.7; 4.4	18.3	+- 2.0
42	345	13.0	25.8	+-	0.8; 3.9	20.3	+-	0.9; 4.9	20.3	+- 1.9
43	5	7.5	22.1	+-	0.7; 3.3	16.7	+-	0.8; 4.5	19.6	+- 1.8
44	20	8.3	24.6	+-	0.7; 3.7	19.2	+-	0.8; 4.8	20.0	+- 1.7
45	315	7.5	26.3	+-	0.8; 3.9	20.9	+-	0.9; 4.9	21.0	+- 1.9
46	341	7.7	24.6	+-	0.7; 3.7	19.2	+-	0.8; 4.8	20.0	+- 1.3
47	355	1.0	23.0	+-	0.7; 3.5	17.6	+-	0.8; 4.6	18.3	+- 1.4

Transit Dose = 5.2 +- 0.4; 3.1

WOLF CREEK

For the period 940315-940721

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	17.5 +- 0.6	4
11.26 - 33.75 NNE	18.7 +- 0.6	3
33.76 - 56.25 NE	15.4 +- 0.8	2
56.26 - 78.75 ENE	16.2 +- 1.3	3
78.76 - 101.25 E	19.5 +- 0.2	2
101.26 - 123.75 ESE	17.8 +- 2.9	3
123.76 - 146.25 SE	17.5 +- 1.6	3
146.26 - 168.75 SSE	18.3 +- 1.9	2
168.76 - 191.25 S	20.0 +- 0.0	2
191.26 - 213.75 SSW	19.0 +- 3.1	2
213.76 - 236.25 SW	16.9 +- 1.9	3
236.26 - 258.75 WSW	19.1 +- 1.2	3
258.76 - 281.25 W	18.3 +- 2.6	5
281.26 - 303.75 WNW	17.4 +- 2.0	3
303.76 - 326.25 NW	19.4 +- 1.8	3
326.26 - 348.75 NNW	19.5 +- 0.6	4

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	17.7 +- 1.5	7
2 - 5	18.6 +- 1.5	25
> 5	17.7 +- 2.4	15
Upwind Control	No Data +- No Data	0

NRC TLD DOSES FOR WOLF CREEK AREA

Miles

0 2 4

Legend

Water

--- Railroads

Plant..site

— Highways

--- Roads

YANKEE ROWE

TLD Direct Radiation Environmental Monitoring

For the period 940316-940726 133 Days

Field Time: 98 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)	Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	0 0.8	23.1 +- 0.7; 3.5	17.7 +- 0.7; 4.3	18.6 +- 2.2
2	265 14.0	20.1 +- 0.6; 3.0	14.9 +- 0.6; 4.0	16.2 +- 1.9
3	137 12.0	22.4 +- 0.7; 3.4	17.0 +- 0.7; 4.2	16.2 +- 1.8
5	85 2.2	20.6 +- 0.6; 3.1	15.3 +- 0.7; 4.1	15.4 +- 1.9
6	118 2.6	20.4 +- 0.6; 3.1	15.2 +- 0.7; 4.0	15.5 +- 1.8
7	137 2.1	22.2 +- 0.7; 3.3	16.8 +- 0.7; 4.2	17.3 +- 1.9
8	153 1.7	21.9 +- 0.7; 3.3	16.5 +- 0.7; 4.2	16.0 +- 1.4
9	176 1.1	20.5 +- 0.6; 3.1	15.2 +- 0.7; 4.0	15.9 +- 1.5
10	203 0.5	22.6 +- 0.7; 3.4	17.2 +- 0.7; 4.3	16.7 +- 2.1
11	219 0.6	21.8 +- 0.7; 3.3	16.4 +- 0.7; 4.2	16.8 +- 1.5
12	239 1.1	19.3 +- 0.6; 2.9	14.2 +- 0.6; 3.9	19.8 +- 2.4
13	272 1.8	23.2 +- 0.7; 3.5	17.7 +- 0.7; 4.3	17.6 +- 2.3
14	292 1.3	23.7 +- 0.7; 3.6	18.2 +- 0.7; 4.4	18.0 +- 2.2
15	315 1.6	23.3 +- 0.7; 3.5	17.9 +- 0.7; 4.3	18.3 +- 2.2
16	348 1.4	22.8 +- 0.7; 3.4	17.4 +- 0.7; 4.3	17.8 +- 1.8
17	358 2.8	21.3 +- 0.6; 3.2	16.0 +- 0.7; 4.1	16.8 +- 2.1
18	21 2.8	Missing Dosimeter	No Net Data	15.6 +- 1.9
19	43 5.8	21.1 +- 0.6; 3.2	15.8 +- 0.7; 4.1	16.7 +- 1.5
20	75 6.0	24.6 +- 0.7; 3.7	19.0 +- 0.8; 4.5	17.7 +- 2.1
21	98 6.0	19.6 +- 0.6; 2.9	14.4 +- 0.6; 4.0	14.7 +- 1.6
22	104 5.2	18.8 +- 0.6; 2.8	13.7 +- 0.6; 3.9	13.7 +- 1.5
23	133 5.7	20.4 +- 0.6; 3.1	15.2 +- 0.7; 4.0	13.6 +- 1.6
24	157 7.5	18.1 +- 0.5; 2.7	13.1 +- 0.6; 3.8	14.4 +- 1.9
25	184 6.3	21.1 +- 0.6; 3.2	15.8 +- 0.7; 4.1	16.4 +- 2.0
27	225 5.9	21.7 +- 0.7; 3.3	16.4 +- 0.7; 4.2	17.3 +- 2.1
29	269 3.5	22.4 +- 0.7; 3.4	17.0 +- 0.7; 4.2	17.2 +- 2.1
32	342 3.3	20.3 +- 0.6; 3.0	15.1 +- 0.6; 4.0	17.1 +- 1.8
34	48 7.3	22.8 +- 0.7; 3.4	17.4 +- 0.7; 4.3	17.3 +- 1.8
35	39 2.3	16.8 +- 0.5; 2.5	11.9 +- 0.6; 3.7	14.4 +- 1.9
47	260 9.6	24.7 +- 0.7; 3.7	19.1 +- 0.8; 4.5	16.6 +- 1.6
48	261 9.0	22.3 +- 0.7; 3.3	16.9 +- 0.7; 4.2	18.6 +- 1.8

Transit Dose = 3.9 +- 0.4; 3.2

YANKEE ROWE

For the period 940316-940726

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	16.8 +- 1.2	2
11.26 - 33.75 NNE	No Data +- No Data	0
33.76 - 56.25 NE	15.0 +- 2.8	3
56.26 - 78.75 ENE	19.0 +- 0.0	1
78.76 - 101.25 E	14.9 +- 0.6	2
101.26 - 123.75 ESE	14.4 +- 1.0	2
123.76 - 146.25 SE	16.3 +- 1.0	3
146.26 - 168.75 SSE	14.8 +- 2.4	2
168.76 - 191.25 S	15.5 +- 0.4	2
191.26 - 213.75 SSW	17.2 +- 0.0	1
213.76 - 236.25 SW	16.4 +- 0.0	2
236.26 - 258.75 WSW	14.2 +- 0.0	1
258.76 - 281.25 W	16.6 +- 1.5	3
281.26 - 303.75 WNW	18.2 +- 0.0	1
303.76 - 326.25 NW	17.9 +- 0.0	1
326.26 - 348.75 NNW	16.2 +- 1.6	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	16.8 +- 1.3	10
2 - 5	15.3 +- 1.7	7
> 5	15.7 +- 1.7	11
Upwind Control	18.0 +- 1.6	2

NRC TLD DOSES FOR YANKEE ROWE AREA

ZION

TLD Direct Radiation Environmental Monitoring

For the period 940315-940726 134 Days

Field Time: 94 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)	Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	310 0.8	17.2 +- 0.5; 2.6	13.4 +- 0.6; 3.8	15.4 +- 1.8
2	192 1.0	16.3 +- 0.5; 2.4	12.5 +- 0.6; 3.7	12.9 +- 2.0
3	187 1.9	16.6 +- 0.5; 2.5	12.8 +- 0.6; 3.7	14.1 +- 2.0
4	219 2.4	Missing Dosimeter	No Net Data	16.9 +- 1.8
5	257 1.8	17.7 +- 0.5; 2.7	13.8 +- 0.6; 3.8	16.9 +- 2.3
6	250 1.2	19.6 +- 0.6; 2.9	15.7 +- 0.6; 4.0	15.9 +- 1.8
7	293 1.6	20.3 +- 0.6; 3.0	16.3 +- 0.7; 4.1	16.8 +- 1.7
8	310 1.8	18.2 +- 0.5; 2.7	14.3 +- 0.6; 3.9	14.7 +- 1.9
9	343 2.6	18.3 +- 0.5; 2.7	14.4 +- 0.6; 3.9	15.2 +- 1.9
10	356 4.5	17.8 +- 0.5; 2.7	13.9 +- 0.6; 3.8	14.5 +- 2.0
11	337 4.5	20.2 +- 0.6; 3.0	16.2 +- 0.7; 4.1	16.5 +- 2.4
12	310 4.0	23.5 +- 0.7; 3.5	19.4 +- 0.7; 4.4	18.6 +- 2.1
13	293 3.5	23.2 +- 0.7; 3.5	19.1 +- 0.7; 4.4	19.2 +- 2.0
14	280 4.5	21.7 +- 0.7; 3.3	17.6 +- 0.7; 4.2	18.5 +- 2.0
15	232 3.2	20.1 +- 0.6; 3.0	16.1 +- 0.7; 4.1	17.6 +- 2.1
16	220 3.5	23.1 +- 0.7; 3.5	19.0 +- 0.7; 4.4	17.9 +- 1.9
17	198 4.5	19.4 +- 0.6; 2.9	15.5 +- 0.6; 4.0	15.8 +- 1.9
18	206 2.8	18.1 +- 0.5; 2.7	14.2 +- 0.6; 3.9	15.3 +- 2.0
19	327 1.7	18.7 +- 0.6; 2.8	14.8 +- 0.6; 3.9	15.2 +- 2.2
20	197 15.0	23.1 +- 0.7; 3.5	19.0 +- 0.7; 4.4	18.8 +- 2.2
21	352 7.9	19.3 +- 0.6; 2.9	15.4 +- 0.6; 4.0	14.8 +- 2.2
22	348 9.3	17.3 +- 0.5; 2.6	13.5 +- 0.6; 3.8	15.0 +- 2.1
23	336 8.5	21.5 +- 0.6; 3.2	17.4 +- 0.7; 4.2	17.4 +- 2.7
24	314 5.8	21.1 +- 0.6; 3.2	17.1 +- 0.7; 4.2	17.2 +- 1.4
25	220 6.3	19.8 +- 0.6; 3.0	15.8 +- 0.6; 4.0	16.2 +- 2.0
26	195 8.0	18.7 +- 0.6; 2.8	14.8 +- 0.6; 3.9	15.3 +- 1.8
28	197 15.0	22.6 +- 0.7; 3.4	18.5 +- 0.7; 4.3	18.7 +- 1.8
30	320 9.8	21.1 +- 0.6; 3.2	17.1 +- 0.7; 4.2	17.8 +- 1.8
31	229 8.0	19.8 +- 0.6; 3.0	15.9 +- 0.7; 4.0	16.4 +- 1.8
32	193 15.0	22.2 +- 0.7; 3.3	18.2 +- 0.7; 4.3	18.9 +- 1.8

Transit Dose = 3.3 +- 0.3; 3.0

ZION

For the period 940315-940726

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	14.7 +- 1.0	2
11.26 - 33.75 NNE	No Data +- No Data	0
33.76 - 56.25 NE	No Data +- No Data	0
56.26 - 78.75 ENE	No Data +- No Data	0
78.76 - 101.25 E	No Data +- No Data	0
101.26 - 123.75 ESE	No Data +- No Data	0
123.76 - 146.25 SE	No Data +- No Data	0
146.26 - 168.75 SSE	No Data +- No Data	0
168.76 - 191.25 S	12.8 +- 0.0	1
191.26 - 213.75 SSW	14.2 +- 1.3	4
213.76 - 236.25 SW	16.7 +- 1.5	4
236.26 - 258.75 WSW	14.7 +- 1.3	2
258.76 - 281.25 W	17.6 +- 0.0	1
281.26 - 303.75 WNW	17.7 +- 2.0	2
303.76 - 326.25 NW	16.3 +- 2.4	5
326.26 - 348.75 NNW	15.3 +- 1.6	5

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	14.2 +- 1.3	8
2 - 5	16.5 +- 2.1	10
> 5	15.9 +- 1.3	8
Upwind Control	18.6 +- 0.5	3

NRC TLD DOSES FOR ZION AREA

Miles

Legend

Water

Highways

Railroads

Roads

Plant site

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11. ABSTRACT (200 words or less)

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 facilities throughout the country for the second quarter of 1994.

12. KEY WORDS/DESCRIPTORS (List words or phrases that will assist researchers in locating the report.)

Thermoluminescent Dosimeter (TLD) Direct Radiation Monitoring
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ambient radiation levels

13. AVAILABILITY STATEMENT

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14. SECURITY CLASSIFICATION

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