NRC TLD Direct Radiation Monitoring Network

Progress Report
January – March 1996

U.S. Nuclear Regulatory Commission

NRC Region I

R. Struckmeyer

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NRC TLD Direct Radiation Monitoring Network

Progress Report
January – March 1996

Manuscript Completed: May 1996
Date Published: May 1996

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

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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 first quarter of 1996. 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.

Monticello and Prairie Island

The data for these sites are significantly lower than the historical averages. It was noted that the transit doses for both sites are approximately twice that which would be expected for the transit time (36 days). The contractor who exchanges these TLDs indicated that the transit controls were handled according to the established procedures, except that they were placed in a smaller lead shield than the standard shield normally used in the past. This shield provided approximately half the thickness of lead that the standard shield provides. The result of this is a larger-than-normal exposure recorded by the transit-control TLDs. This in turn leads to lower-than-normal Net Exposure Rate data, since these are calculated by subtracting the transit exposure from the Gross Exposure data (and then normalizing to a 90-day quarter). It must be further noted that the Gross Exposure data for the field TLDs are generally lower than the values recorded in previous quarters. The contractor indicated that there was significant rainfall, which would have increased the density of the soil-water medium. This was followed by freezing, which would cause the higher-density medium to remain in place over a longer period than would normally occur. The increased density would have the effect of shielding the terrestrial component of the total exposure recorded by the TLDs. Rain, snow and ice also cause a reduction of emanation of natural radon from the ground. If the affected area is sufficiently large, and the time period is sufficiently long, this may reduce the exposure to TLDs from radon daughters in the air.

Sites Monitored During the First Quarter 1996

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. South Texas
21. Fermi	57. St. Lucie
22. FitzPatrick/Nine Mile Point	58. Summer
23. Fort Calhoun	59. Surry
24. Fort St. Vrain	60. Susquehanna
25. Ginna	61. Three Mile Island
26. Grand Gulf	62. Trojan
27. Haddam Neck	63. Turkey Point
28. Harris	64. Vermont Yankee
29. Hatch	65. Vogtle
30. Indian Point	66. Washington Nuclear 2
31. Kewaunee/Point Beach	67. Waterford
32. Lacrosse	68. Watts Bar
33. LaSalle	69. Wolf Creek
34. Limerick	70. Yankee Rowe
35. Maine Yankee	71. Zion
36. McGuire	

ARKANSAS

TLD Direct Radiation Environmental Monitoring

For the period 951204-960423 142 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	4	0.4	21.4 +- 0.6; 3.2	15.4 +- 0.7; 4.4	17.3 +- 1.2
2	353	4.1	21.8 +- 0.7; 3.3	15.8 +- 0.7; 4.4	17.5 +- 1.1
3	32	1.3	22.0 +- 0.7; 3.3	16.0 +- 0.7; 4.4	18.2 +- 1.0
4	13	3.3	21.2 +- 0.6; 3.2	15.2 +- 0.7; 4.3	16.8 +- 1.2
5	53	1.5	21.0 +- 0.6; 3.1	15.1 +- 0.7; 4.3	17.6 +- 1.2
6	37	3.6	20.1 +- 0.6; 3.0	14.2 +- 0.7; 4.2	16.7 +- 1.1
7	78	2.5	23.3 +- 0.7; 3.5	17.3 +- 0.8; 4.6	18.9 +- 1.3
8	60	3.2	23.0 +- 0.7; 3.4	17.0 +- 0.8; 4.5	20.2 +- 2.3
9	92	0.5	22.7 +- 0.7; 3.4	16.7 +- 0.8; 4.5	19.2 +- 1.5
10	83	5.5	21.0 +- 0.6; 3.2	15.1 +- 0.7; 4.3	17.7 +- 1.1
11	122	2.1	20.9 +- 0.6; 3.1	15.0 +- 0.7; 4.3	16.5 +- 1.2
12	109	6.8	22.0 +- 0.7; 3.3	16.0 +- 0.7; 4.4	18.2 +- 1.1
13	138	2.6	19.5 +- 0.6; 2.9	13.6 +- 0.7; 4.2	15.2 +- 1.3
14	130	4.9	20.3 +- 0.6; 3.1	14.4 +- 0.7; 4.2	16.2 +- 1.2
16	167	4.4	22.1 +- 0.7; 3.3	16.1 +- 0.7; 4.4	17.5 +- 1.0
17	171	0.4	21.7 +- 0.7; 3.3	15.8 +- 0.7; 4.4	17.2 +- 1.3
18	189	3.2	22.7 +- 0.7; 3.4	16.7 +- 0.8; 4.5	17.5 +- 1.2
19	205	2.9	21.5 +- 0.6; 3.2	15.6 +- 0.7; 4.4	16.9 +- 1.3
20	195	5.8	19.8 +- 0.6; 3.0	13.9 +- 0.7; 4.2	16.2 +- 1.6
21	235	0.5	22.8 +- 0.7; 3.4	16.8 +- 0.8; 4.5	19.6 +- 1.4
22	230	3.6	19.8 +- 0.6; 3.0	13.9 +- 0.7; 4.2	14.6 +- 1.3
23	257	2.8	21.1 +- 0.6; 3.2	15.2 +- 0.7; 4.3	16.0 +- 1.6
24	243	4.5	20.2 +- 0.6; 3.0	14.3 +- 0.7; 4.2	16.7 +- 1.3
25	279	1.2	25.5 +- 0.8; 3.8	19.5 +- 0.8; 4.8	20.1 +- 1.3
26	263	4.3	22.2 +- 0.7; 3.3	16.2 +- 0.7; 4.4	17.4 +- 1.3
27	298	0.4	23.1 +- 0.7; 3.5	17.1 +- 0.8; 4.5	18.9 +- 1.3
28	293	5.8	21.7 +- 0.7; 3.3	15.8 +- 0.7; 4.4	17.1 +- 1.3
29	326	1.9	22.6 +- 0.7; 3.4	16.6 +- 0.8; 4.5	18.0 +- 1.1
30	308	4.8	21.3 +- 0.6; 3.2	15.3 +- 0.7; 4.3	17.9 +- 1.4
31	345	1.3	22.4 +- 0.7; 3.4	16.4 +- 0.8; 4.5	18.7 +- 1.4
32	335	4.2	19.7 +- 0.6; 3.0	13.8 +- 0.7; 4.2	15.9 +- 1.3
33	110	0.8	21.5 +- 0.6; 3.2	15.5 +- 0.7; 4.4	18.7 +- 1.4
39	112	6.0	22.7 +- 0.7; 3.4	16.7 +- 0.8; 4.5	18.5 +- 1.4
40	147	8.0	23.1 +- 0.7; 3.5	17.1 +- 0.8; 4.5	18.3 +- 1.2
41	106	17.0	21.9 +- 0.7; 3.3	15.9 +- 0.7; 4.4	17.8 +- 1.1
42	310	17.0	20.6 +- 0.6; 3.1	14.7 +- 0.7; 4.3	16.1 +- 1.3
43	105	5.2	21.1 +- 0.6; 3.2	15.2 +- 0.7; 4.3	18.3 +- 1.4
44	315	13.0	21.9 +- 0.7; 3.3	15.9 +- 0.7; 4.4	17.6 +- 1.2
45	47	8.9	19.5 +- 0.6; 2.9	13.6 +- 0.7; 4.2	15.7 +- 1.6
46	115	8.3	23.4 +- 0.7; 3.5	17.4 +- 0.8; 4.6	18.5 +- 1.5
47	208	20.0	20.5 +- 0.6; 3.1	14.6 +- 0.7; 4.3	17.1 +- 1.3
48	179	19.0	Missing Dosimeter	No Net Data	17.2 +- 1.3
49	150	22.0	22.8 +- 0.7; 3.4	16.8 +- 0.8; 4.5	18.3 +- 1.5

Transit Dose = 5.4 +- 0.4; 3.2

ARKANSAS

For the period 951204-960423

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	15.6 +- 0.3	2
11.26 - 33.75 NNE	15.6 +- 0.6	2
33.76 - 56.25 NE	14.3 +- 0.7	3
56.26 - 78.75 ENE	17.2 +- 0.3	2
78.76 - 101.25 E	15.9 +- 1.1	2
101.26 - 123.75 ESE	16.0 +- 0.9	7
123.76 - 146.25 SE	14.0 +- 0.6	2
146.26 - 168.75 SSE	16.6 +- 0.7	2
168.76 - 191.25 S	16.2 +- 0.7	2
191.26 - 213.75 SSW	14.7 +- 1.2	2
213.76 - 236.25 SW	15.4 +- 2.1	2
236.26 - 258.75 WSW	14.7 +- 0.7	2
258.76 - 281.25 W	17.8 +- 2.3	2
281.26 - 303.75 WNW	16.4 +- 0.9	2
303.76 - 326.25 NW	15.6 +- 0.8	4
326.26 - 348.75 NNW	15.1 +- 1.8	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	16.4 +- 1.2	11
2 - 5	15.3 +- 1.1	17
> 5	15.6 +- 1.2	12
Upwind Control	15.7 +- 1.5	2

NRC TLD DOSES FOR ARKANSAS AREA

BEAVER VALLEY

TLD Direct Radiation Environmental Monitoring

For the period 951207-960424 140 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	340	15.8	23.4 +- 0.7; 3.5	15.2 +- 0.8; 4.5	16.8 +- 1.2
2	3	13.1	23.2 +- 0.7; 3.5	15.1 +- 0.8; 4.4	17.2 +- 1.4
4	29	11.9	23.3 +- 0.7; 3.5	15.2 +- 0.8; 4.5	19.4 +- 2.2
5	53	8.2	25.0 +- 0.7; 3.7	16.7 +- 0.8; 4.6	18.5 +- 1.2
6	58	9.1	26.0 +- 0.8; 3.9	17.6 +- 0.8; 4.7	19.3 +- 1.2
7	97	8.0	26.4 +- 0.8; 4.0	18.0 +- 0.8; 4.8	19.6 +- 1.3
8	110	4.2	25.3 +- 0.8; 3.8	16.9 +- 0.8; 4.6	18.7 +- 1.3
9	111	1.9	26.4 +- 0.8; 4.0	18.0 +- 0.8; 4.8	20.0 +- 1.2
10	92	2.2	25.9 +- 0.8; 3.9	17.5 +- 0.8; 4.7	19.3 +- 1.2
11	64	3.6	25.1 +- 0.8; 3.8	16.8 +- 0.8; 4.6	19.4 +- 1.5
12	148	4.0	27.5 +- 0.8; 4.1	19.0 +- 0.9; 4.9	20.8 +- 1.3
13	171	4.4	25.4 +- 0.8; 3.8	17.1 +- 0.8; 4.7	18.6 +- 1.2
14	183	4.4	24.8 +- 0.7; 3.7	16.6 +- 0.8; 4.6	18.5 +- 1.3
15	198	3.6	24.7 +- 0.7; 3.7	16.4 +- 0.8; 4.6	18.6 +- 1.3
16	254	5.7	25.4 +- 0.8; 3.8	17.0 +- 0.8; 4.7	18.2 +- 1.0
17	267	6.5	23.2 +- 0.7; 3.5	15.0 +- 0.7; 4.4	17.4 +- 1.4
18	231	2.5	25.7 +- 0.8; 3.9	17.4 +- 0.8; 4.7	18.5 +- 1.3
19	266	2.5	25.6 +- 0.8; 3.8	17.2 +- 0.8; 4.7	20.0 +- 1.3
20	291	3.8	22.9 +- 0.7; 3.4	14.8 +- 0.7; 4.4	16.9 +- 1.7
21	287	1.8	27.6 +- 0.8; 4.1	19.1 +- 0.9; 4.9	20.8 +- 1.3
22	219	1.5	23.4 +- 0.7; 3.5	15.3 +- 0.8; 4.5	17.7 +- 1.2
23	252	2.4	Damaged Dosimeter	No Net Data	21.1 +- 1.8
24	207	2.2	Damaged Dosimeter	No Net Data	19.5 +- 1.3
25	187	2.2	27.5 +- 0.8; 4.1	19.0 +- 0.9; 4.9	19.9 +- 1.2
26	158	2.2	23.6 +- 0.7; 3.5	15.4 +- 0.8; 4.5	18.8 +- 1.6
27	135	1.9	25.7 +- 0.8; 3.9	17.3 +- 0.8; 4.7	19.5 +- 1.6
28	99	1.4	26.7 +- 0.8; 4.0	18.2 +- 0.8; 4.8	20.3 +- 1.3
29	64	1.4	24.4 +- 0.7; 3.7	16.2 +- 0.8; 4.6	18.3 +- 1.3
30	53	1.0	25.7 +- 0.8; 3.9	17.4 +- 0.8; 4.7	19.0 +- 1.3
31	320	1.4	Missing Dosimeter	No Net Data	21.5 +- 1.5
32	320	3.5	23.7 +- 0.7; 3.6	15.5 +- 0.8; 4.5	18.6 +- 1.6
33	335	2.5	24.6 +- 0.7; 3.7	16.4 +- 0.8; 4.6	19.0 +- 1.4
34	340	5.2	22.5 +- 0.7; 3.4	14.4 +- 0.7; 4.4	16.4 +- 2.1
35	4	3.5	26.1 +- 0.8; 3.9	17.7 +- 0.8; 4.7	19.6 +- 1.2
36	23	3.2	27.0 +- 0.8; 4.1	18.6 +- 0.8; 4.8	21.7 +- 1.6
37	42	2.8	23.3 +- 0.7; 3.5	15.1 +- 0.8; 4.5	16.5 +- 1.1
38	27	1.6	23.0 +- 0.7; 3.4	14.9 +- 0.7; 4.4	17.2 +- 1.5
39	348	1.6	25.5 +- 0.8; 3.8	17.2 +- 0.8; 4.7	18.9 +- 1.5
40	340	15.8	23.1 +- 0.7; 3.5	15.0 +- 0.7; 4.4	16.2 +- 1.3
41	340	15.8	24.5 +- 0.7; 3.7	16.2 +- 0.8; 4.6	16.8 +- 1.0

Transit Dose = 6.6 +- 0.4; 3.4

BEAVER VALLEY
For the period 951207-960424

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 +- 1.8	2
11.26 - 33.75 NNE	16.2 +- 2.1	3
33.76 - 56.25 NE	16.4 +- 1.1	3
56.26 - 78.75 ENE	16.9 +- 0.7	3
78.76 - 101.25 E	17.9 +- 0.4	3
101.26 - 123.75 ESE	17.5 +- 0.8	2
123.76 - 146.25 SE	17.3 +- 0.0	1
146.26 - 168.75 SSE	17.2 +- 2.5	2
168.76 - 191.25 S	17.5 +- 1.3	3
191.26 - 213.75 SSW	16.4 +- 0.0	1
213.76 - 236.25 SW	16.3 +- 1.5	2
236.26 - 258.75 WSW	17.0 +- 0.0	1
258.76 - 281.25 W	16.1 +- 1.5	2
281.26 - 303.75 WNW	17.0 +- 3.0	2
303.76 - 326.25 NW	15.5 +- 0.0	1
326.26 - 348.75 NNW	16.0 +- 1.4	3

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	17.1 +- 1.4	9
2 - 5	16.9 +- 1.2	17
> 5	16.1 +- 1.4	8
Upwind Control	15.5 +- 0.6	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 951205-960417 135 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	208 4.9	16.7 +- 0.5; 2.5	11.5 +- 0.6; 3.8	13.2 +- 0.9
2	220 3.6	16.6 +- 0.5; 2.5	11.4 +- 0.6; 3.8	12.1 +- 0.9
3	204 2.4	17.9 +- 0.5; 2.7	12.6 +- 0.6; 3.9	12.3 +- 0.9
4	176 3.3	17.1 +- 0.5; 2.6	11.9 +- 0.6; 3.8	12.2 +- 1.0
5	161 4.6	15.3 +- 0.5; 2.3	10.2 +- 0.6; 3.6	12.5 +- 0.8
6	133 4.7	17.6 +- 0.5; 2.6	12.3 +- 0.6; 3.8	13.9 +- 1.4
7	116 3.7	18.0 +- 0.5; 2.7	12.8 +- 0.6; 3.9	14.5 +- 1.3
8	111 4.7	17.7 +- 0.5; 2.7	12.4 +- 0.6; 3.9	14.1 +- 1.6
9	98 4.5	17.3 +- 0.5; 2.6	12.0 +- 0.6; 3.8	12.7 +- 0.8
10	88 12.0	16.3 +- 0.5; 2.4	11.2 +- 0.6; 3.7	12.1 +- 0.8
11	83 16.0	16.7 +- 0.5; 2.5	11.5 +- 0.6; 3.8	12.3 +- 1.4
12	83 16.0	16.4 +- 0.5; 2.5	11.3 +- 0.6; 3.7	12.0 +- 1.0
13	83 16.0	16.7 +- 0.5; 2.5	11.5 +- 0.6; 3.8	12.3 +- 1.2
14	77 3.4	16.3 +- 0.5; 2.4	11.2 +- 0.6; 3.7	11.6 +- 0.8
15	96 1.8	17.0 +- 0.5; 2.5	11.8 +- 0.6; 3.8	13.4 +- 0.9
16	118 2.0	17.2 +- 0.5; 2.6	12.0 +- 0.6; 3.8	13.2 +- 1.1
17	134 2.0	17.1 +- 0.5; 2.6	11.9 +- 0.6; 3.8	13.1 +- 1.1
18	222 1.9	17.3 +- 0.5; 2.6	12.1 +- 0.6; 3.8	11.8 +- 1.6
19	194 1.4	17.1 +- 0.5; 2.6	11.9 +- 0.6; 3.8	14.6 +- 1.3
20	179 1.5	16.4 +- 0.5; 2.5	11.3 +- 0.6; 3.7	12.8 +- 0.9
21	153 1.1	17.0 +- 0.5; 2.5	11.8 +- 0.6; 3.8	12.6 +- 1.0

Transit Dose = 4.4 +- 0.4; 3.1

BIG ROCK
For the period 951205-960417

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	11.2 +- 0.0	1
78.76 - 101.25 E	11.7 +- 0.5	3
101.26 - 123.75 ESE	12.4 +- 0.4	3
123.76 - 146.25 SE	12.1 +- 0.3	2
146.26 - 168.75 SSE	11.0 +- 1.1	2
168.76 - 191.25 S	11.6 +- 0.5	2
191.26 - 213.75 SSW	12.0 +- 0.6	3
213.76 - 236.25 SW	11.7 +- 0.5	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	11.8 +- 0.3	7
2 - 5	11.8 +- 0.8	10
> 5	11.2 +- 0.0	1
Upwind Control	11.4 +- 0.1	3

NRC TLD DOSES FOR BIG ROCK POINT AREA

BRAIDWOOD

TLD Direct Radiation Environmental Monitoring

For the period 951205-960417 135 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	28	0.8	18.8 +- 0.6; 2.8	16.0 +- 0.6; 3.9	13.6 +- 3.1
2	29	1.3	17.5 +- 0.5; 2.6	14.7 +- 0.6; 3.8	14.7 +- 1.8
3	53	2.0	17.0 +- 0.5; 2.5	14.2 +- 0.6; 3.7	12.1 +- 2.9
4	72	2.1	17.9 +- 0.5; 2.7	15.1 +- 0.6; 3.8	14.9 +- 1.7
5	87	2.0	18.0 +- 0.5; 2.7	15.2 +- 0.6; 3.9	14.3 +- 2.1
6	119	2.5	17.3 +- 0.5; 2.6	14.5 +- 0.6; 3.8	13.5 +- 3.1
7	133	3.3	17.4 +- 0.5; 2.6	14.6 +- 0.6; 3.8	14.8 +- 1.7
8	151	3.3	18.2 +- 0.5; 2.7	15.5 +- 0.6; 3.9	13.9 +- 1.5
9	172	3.9	20.9 +- 0.6; 3.1	18.1 +- 0.7; 4.2	17.9 +- 3.9
10	197	2.8	17.7 +- 0.5; 2.6	14.9 +- 0.6; 3.8	14.7 +- 1.9
11	212	1.4	17.7 +- 0.5; 2.7	14.9 +- 0.6; 3.8	13.7 +- 2.0
12	232	1.0	Missing Dosimeter	No Net Data	13.4 +- 2.1
13	255	1.0	17.0 +- 0.5; 2.6	14.3 +- 0.6; 3.8	13.8 +- 1.5
14	278	1.2	17.5 +- 0.5; 2.6	14.7 +- 0.6; 3.8	14.3 +- 2.2
15	310	1.3	Missing Dosimeter	No Net Data	14.2 +- 2.2
16	342	1.3	16.8 +- 0.5; 2.5	14.0 +- 0.6; 3.7	12.0 +- 2.7
17	8	1.5	17.4 +- 0.5; 2.6	14.7 +- 0.6; 3.8	14.3 +- 1.9
18	18	3.5	19.5 +- 0.6; 2.9	16.6 +- 0.6; 4.0	17.3 +- 3.2
19	42	6.3	16.8 +- 0.5; 2.5	14.1 +- 0.6; 3.7	13.1 +- 2.3
20	69	5.7	19.5 +- 0.6; 2.9	16.7 +- 0.6; 4.0	15.5 +- 2.4
21	86	7.0	19.1 +- 0.6; 2.9	16.3 +- 0.6; 4.0	16.4 +- 2.2
22	103	11.4	19.8 +- 0.6; 3.0	17.0 +- 0.7; 4.0	15.6 +- 3.3
23	45	4.9	18.3 +- 0.5; 2.7	15.5 +- 0.6; 3.9	15.1 +- 2.1
24	70	4.2	17.5 +- 0.5; 2.6	14.7 +- 0.6; 3.8	14.3 +- 2.1
25	86	4.1	17.1 +- 0.5; 2.6	14.4 +- 0.6; 3.8	12.2 +- 2.7
26	125	5.0	16.8 +- 0.5; 2.5	14.1 +- 0.6; 3.7	12.9 +- 3.1
27	142	7.2	19.2 +- 0.6; 2.9	16.4 +- 0.6; 4.0	16.4 +- 3.0
28	161	6.1	Missing Dosimeter	No Net Data	14.4 +- 1.9
29	180	5.9	23.2 +- 0.7; 3.5	20.4 +- 0.7; 4.4	18.6 +- 2.9
30	187	5.8	21.7 +- 0.7; 3.3	18.8 +- 0.7; 4.2	19.6 +- 2.2
31	225	5.4	19.2 +- 0.6; 2.9	16.4 +- 0.6; 4.0	17.1 +- 1.9
32	253	4.0	16.6 +- 0.5; 2.5	13.8 +- 0.6; 3.7	14.8 +- 2.0
33	289	4.1	18.7 +- 0.6; 2.8	15.9 +- 0.6; 3.9	16.3 +- 2.5
34	315	4.0	18.9 +- 0.6; 2.8	16.1 +- 0.6; 3.9	15.8 +- 2.1
35	333	4.0	19.8 +- 0.6; 3.0	17.0 +- 0.7; 4.0	15.0 +- 2.7
36	0	5.5	16.7 +- 0.5; 2.5	14.0 +- 0.6; 3.7	14.5 +- 2.3
37	21	5.0	16.3 +- 0.5; 2.4	13.6 +- 0.6; 3.7	12.0 +- 3.0
38	224	14.7	17.6 +- 0.5; 2.6	14.9 +- 0.6; 3.8	13.8 +- 2.6
39	224	14.7	17.4 +- 0.5; 2.6	14.6 +- 0.6; 3.8	13.7 +- 2.0
40	187	10.3	21.6 +- 0.6; 3.2	18.7 +- 0.7; 4.2	18.0 +- 2.5

Transit Dose = 2.4 +- 0.3; 2.9

BRAIDWOOD

For the period 951205-960417

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	14.3 +- 0.5	2
11.26 - 33.75 NNE	15.2 +- 1.4	4
33.76 - 56.25 NE	14.6 +- 0.8	3
56.26 - 78.75 ENE	15.5 +- 1.0	3
78.76 - 101.25 E	15.3 +- 1.0	3
101.26 - 123.75 ESE	15.8 +- 1.8	2
123.76 - 146.25 SE	15.0 +- 1.2	3
146.26 - 168.75 SSE	15.5 +- 0.0	1
168.76 - 191.25 S	19.1 +- 1.2	3
191.26 - 213.75 SSW	14.9 +- 0.0	2
213.76 - 236.25 SW	15.6 +- 1.1	2
236.26 - 258.75 WSW	14.0 +- 0.3	2
258.76 - 281.25 W	14.7 +- 0.0	1
281.26 - 303.75 WNW	15.9 +- 0.0	1
303.76 - 326.25 NW	16.1 +- 0.0	1
326.26 - 348.75 NNW	15.5 +- 2.1	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	14.7 +- 0.6	9
2 - 5	15.3 +- 1.2	16
> 5	16.5 +- 2.0	10
Upwind Control	16.7 +- 2.9	2

NRC TLD DOSES FOR BRAIDWOOD AREA

BROWNS FERRY

TLD Direct Radiation Environmental Monitoring

For the period 951206-960430 147 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	133	8.8	18.9	+- 0.6; 2.8	15.6	+- 0.6; 3.8	14.3	+- 1.9
2	135	5.4	19.6	+- 0.6; 2.9	16.3	+- 0.6; 3.9	15.9	+- 2.0
3	153	4.3	21.4	+- 0.6; 3.2	17.9	+- 0.6; 4.0	0.0	+- 0.0
4	212	5.9	23.9	+- 0.7; 3.6	20.2	+- 0.7; 4.3	18.1	+- 2.3
5	222	6.2	19.2	+- 0.6; 2.9	15.9	+- 0.6; 3.8	15.3	+- 2.0
6	247	4.5	22.2	+- 0.7; 3.3	18.7	+- 0.7; 4.1	18.7	+- 2.1
7	269	4.7	20.6	+- 0.6; 3.1	17.2	+- 0.6; 4.0	16.4	+- 2.1
8	257	11.1	20.9	+- 0.6; 3.1	17.5	+- 0.6; 4.0	15.8	+- 2.0
9	296	7.0	20.7	+- 0.6; 3.1	17.3	+- 0.6; 4.0	16.4	+- 2.3
10	292	4.5	20.3	+- 0.6; 3.0	16.9	+- 0.6; 3.9	16.7	+- 2.0
11	270	1.9	21.3	+- 0.6; 3.2	17.9	+- 0.6; 4.0	17.0	+- 2.0
12	241	2.7	19.9	+- 0.6; 3.0	16.6	+- 0.6; 3.9	15.8	+- 2.1
13	220	1.7	21.9	+- 0.7; 3.3	18.4	+- 0.7; 4.1	19.0	+- 2.5
14	268	17.0	21.9	+- 0.7; 3.3	18.4	+- 0.7; 4.1	17.1	+- 2.1
15	205	4.0	21.8	+- 0.7; 3.3	18.3	+- 0.7; 4.1	17.3	+- 2.1
16	183	2.8	18.9	+- 0.6; 2.8	15.6	+- 0.6; 3.8	15.4	+- 2.4
17	51	9.5	22.5	+- 0.7; 3.4	19.0	+- 0.7; 4.1	17.7	+- 1.9
18	51	3.4	20.8	+- 0.6; 3.1	17.4	+- 0.6; 4.0	16.0	+- 1.7
19	61	3.0	21.2	+- 0.6; 3.2	17.8	+- 0.6; 4.0	16.5	+- 2.1
20	84	2.7	23.5	+- 0.7; 3.5	19.9	+- 0.7; 4.2	18.9	+- 2.0
21	114	2.9	23.5	+- 0.7; 3.5	19.8	+- 0.7; 4.2	19.5	+- 2.0
22	58	0.9	23.7	+- 0.7; 3.6	20.1	+- 0.7; 4.3	20.2	+- 2.0
23	90	25.0	20.2	+- 0.6; 3.0	16.8	+- 0.6; 3.9	16.5	+- 2.3
24	110	0.6	23.0	+- 0.7; 3.4	19.4	+- 0.7; 4.2	18.1	+- 1.9
25	42	2.1	22.7	+- 0.7; 3.4	19.1	+- 0.7; 4.2	18.0	+- 2.3
26	23	1.7	25.4	+- 0.8; 3.8	21.6	+- 0.8; 4.4	20.1	+- 2.1
27	330	1.9	20.2	+- 0.6; 3.0	16.8	+- 0.6; 3.9	16.6	+- 1.9
28	330	1.0	22.2	+- 0.7; 3.3	18.7	+- 0.7; 4.1	18.5	+- 2.4
29	26	3.7	22.0	+- 0.7; 3.3	18.4	+- 0.7; 4.1	17.8	+- 2.1
30	358	4.0	20.7	+- 0.6; 3.1	17.3	+- 0.6; 4.0	15.5	+- 2.0
31	334	5.6	23.3	+- 0.7; 3.5	19.7	+- 0.7; 4.2	18.6	+- 2.0
32	312	12.0	22.5	+- 0.7; 3.4	19.0	+- 0.7; 4.1	18.1	+- 2.2
33	356	1.5	24.5	+- 0.7; 3.7	20.7	+- 0.7; 4.3	19.5	+- 2.0
34	52	6.5	20.3	+- 0.6; 3.0	16.9	+- 0.6; 3.9	16.5	+- 2.4
35	96	5.2	21.6	+- 0.6; 3.2	18.1	+- 0.7; 4.1	17.3	+- 2.0
36	68	5.5	22.5	+- 0.7; 3.4	18.9	+- 0.7; 4.1	18.2	+- 2.3
37	150	9.5	22.5	+- 0.7; 3.4	18.9	+- 0.7; 4.1	16.8	+- 2.1
38	166	7.0	19.7	+- 0.6; 3.0	16.4	+- 0.6; 3.9	14.2	+- 2.0

Transit Dose = 1.9 +- 0.3; 3.0

BROWNS FERRY
For the period 951206-960430

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	19.0 +- 2.4	2
11.26 - 33.75 NNE	20.0 +- 2.2	2
33.76 - 56.25 NE	18.1 +- 1.1	4
56.26 - 78.75 ENE	18.9 +- 1.2	3
78.76 - 101.25 E	18.3 +- 1.5	3
101.26 - 123.75 ESE	19.6 +- 0.3	2
123.76 - 146.25 SE	15.9 +- 0.4	2
146.26 - 168.75 SSE	17.7 +- 1.3	3
168.76 - 191.25 S	15.6 +- 0.0	1
191.26 - 213.75 SSW	19.2 +- 1.4	2
213.76 - 236.25 SW	17.2 +- 1.8	2
236.26 - 258.75 WSW	17.6 +- 1.5	2
258.76 - 281.25 W	17.5 +- 0.5	2
281.26 - 303.75 WNW	17.1 +- 0.3	2
303.76 - 326.25 NW	19.0 +- 0.0	1
326.26 - 348.75 NNW	18.4 +- 1.4	3

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	19.2 +- 1.6	8
2 - 5	17.9 +- 1.2	14
> 5	17.8 +- 1.5	14
Upwind Control	18.0 +- 0.6	2

NRC TLD DOSES FOR BROWNS FERRY AREA

BRUNSWICK

TLD Direct Radiation Environmental Monitoring

For the period 951206-960423 140 Days

Field Time: 74 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	13.3 +- 0.4; 2.0	9.1 +- 0.6; 4.0	10.2 +- 1.6
2	245	3.4	11.8 +- 0.4; 1.8	7.3 +- 0.6; 3.9	9.9 +- 1.6
3	231	3.8	11.6 +- 0.3; 1.7	7.1 +- 0.6; 3.9	9.5 +- 1.8
4	210	4.9	14.2 +- 0.4; 2.1	10.2 +- 0.7; 4.1	12.3 +- 1.6
5	186	4.3	13.7 +- 0.4; 2.1	9.7 +- 0.7; 4.1	12.2 +- 1.7
6	270	4.5	12.6 +- 0.4; 1.9	8.3 +- 0.6; 4.0	10.3 +- 1.4
7	272	4.4	11.9 +- 0.4; 1.8	7.5 +- 0.6; 3.9	10.9 +- 1.6
8	73	1.3	13.5 +- 0.4; 2.0	9.4 +- 0.7; 4.0	11.9 +- 1.7
9	97	1.0	13.8 +- 0.4; 2.1	9.8 +- 0.7; 4.1	11.9 +- 1.7
10	120	1.5	14.5 +- 0.4; 2.2	10.6 +- 0.7; 4.2	12.4 +- 1.4
11	131	0.9	12.8 +- 0.4; 1.9	8.5 +- 0.6; 4.0	11.7 +- 1.6
12	156	1.1	13.8 +- 0.4; 2.1	9.8 +- 0.7; 4.1	12.2 +- 1.6
13	180	1.1	Damaged Dosimeter	No Net Data	11.4 +- 1.5
14	194	2.4	13.3 +- 0.4; 2.0	9.1 +- 0.6; 4.0	11.2 +- 1.8
15	201	2.0	12.5 +- 0.4; 1.9	8.2 +- 0.6; 3.9	10.6 +- 1.5
16	218	1.2	12.0 +- 0.4; 1.8	7.6 +- 0.6; 3.9	11.5 +- 2.2
17	252	1.1	13.3 +- 0.4; 2.0	9.2 +- 0.7; 4.0	11.7 +- 1.5
18	272	1.2	12.5 +- 0.4; 1.9	8.2 +- 0.6; 3.9	11.2 +- 1.9
19	19	1.1	12.7 +- 0.4; 1.9	8.4 +- 0.6; 4.0	10.7 +- 1.5
20	2	1.1	13.4 +- 0.4; 2.0	9.3 +- 0.7; 4.0	10.4 +- 1.7
21	288	1.3	11.6 +- 0.3; 1.7	7.1 +- 0.6; 3.9	10.2 +- 1.9
22	307	1.5	13.3 +- 0.4; 2.0	9.2 +- 0.7; 4.0	10.6 +- 1.4
23	338	2.1	13.6 +- 0.4; 2.0	9.5 +- 0.7; 4.1	11.3 +- 1.5
24	325	4.9	12.4 +- 0.4; 1.9	8.0 +- 0.6; 3.9	10.3 +- 1.4
25	338	3.8	13.6 +- 0.4; 2.0	9.5 +- 0.7; 4.1	11.4 +- 1.5
26	356	5.2	12.7 +- 0.4; 1.9	8.4 +- 0.6; 4.0	10.6 +- 1.6
27	30	6.4	13.1 +- 0.4; 2.0	8.9 +- 0.6; 4.0	10.6 +- 1.5
28	43	9.0	14.1 +- 0.4; 2.1	10.1 +- 0.7; 4.1	11.7 +- 2.2
29	50	8.5	13.4 +- 0.4; 2.0	9.3 +- 0.7; 4.0	11.1 +- 1.9
30	59	7.2	13.0 +- 0.4; 1.9	8.8 +- 0.6; 4.0	11.4 +- 1.8
31	65	6.5	12.6 +- 0.4; 1.9	8.3 +- 0.6; 4.0	11.3 +- 1.5
32	74	5.8	13.8 +- 0.4; 2.1	9.8 +- 0.7; 4.1	11.9 +- 2.0
33	88	4.1	13.1 +- 0.4; 2.0	9.0 +- 0.6; 4.0	10.6 +- 1.9
34	12	17.0	13.6 +- 0.4; 2.0	9.5 +- 0.7; 4.1	11.9 +- 1.6
35	16	18.0	12.2 +- 0.4; 1.8	7.8 +- 0.6; 3.9	10.5 +- 1.5
36	284	15.0	13.0 +- 0.4; 1.9	8.8 +- 0.6; 4.0	11.8 +- 2.2
37	284	16.0	12.6 +- 0.4; 1.9	8.3 +- 0.6; 4.0	12.1 +- 2.4
38	284	15.0	13.7 +- 0.4; 2.1	9.7 +- 0.7; 4.1	11.5 +- 1.8
39	287	4.6	13.9 +- 0.4; 2.1	9.9 +- 0.7; 4.1	10.8 +- 1.5
40	271	0.7	14.2 +- 0.4; 2.1	10.2 +- 0.7; 4.1	12.9 +- 1.6

Transit Dose = 5.8 +- 0.4; 2.6

BRUNSWICK

For the period 951206-960423

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	8.9 +- 0.6	2
11.26 - 33.75 NNE	8.7 +- 0.7	4
33.76 - 56.25 NE	9.7 +- 0.6	2
56.26 - 78.75 ENE	9.1 +- 0.6	4
78.76 - 101.25 E	9.4 +- 0.6	2
101.26 - 123.75 ESE	10.6 +- 0.0	1
123.76 - 146.25 SE	8.5 +- 0.0	1
146.26 - 168.75 SSE	9.8 +- 0.0	1
168.76 - 191.25 S	9.7 +- 0.0	1
191.26 - 213.75 SSW	9.2 +- 1.0	3
213.76 - 236.25 SW	7.4 +- 0.4	2
236.26 - 258.75 WSW	8.3 +- 1.4	2
258.76 - 281.25 W	8.7 +- 1.0	5
281.26 - 303.75 WNW	8.5 +- 2.0	2
303.76 - 326.25 NW	8.6 +- 0.9	2
326.26 - 348.75 NNW	9.5 +- 0.0	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	9.0 +- 1.0	14
2 - 5	8.8 +- 1.0	13
> 5	9.0 +- 0.7	9
Upwind Control	8.9 +- 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 951205-960416 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	10 1.1	20.7 +- 0.6; 3.1	17.9 +- 0.7; 4.1	19.0 +- 2.0
2	27 1.0	21.4 +- 0.6; 3.2	18.6 +- 0.7; 4.2	18.6 +- 1.7
3	53 1.6	20.5 +- 0.6; 3.1	17.7 +- 0.7; 4.1	17.4 +- 1.6
4	68 1.6	21.7 +- 0.7; 3.3	18.9 +- 0.7; 4.2	20.3 +- 2.1
5	97 1.4	23.1 +- 0.7; 3.5	20.3 +- 0.7; 4.4	20.9 +- 1.9
6	120 1.3	21.3 +- 0.6; 3.2	18.5 +- 0.7; 4.2	19.2 +- 1.7
7	146 1.4	22.1 +- 0.7; 3.3	19.3 +- 0.7; 4.3	20.1 +- 2.4
8	175 2.2	21.4 +- 0.6; 3.2	18.6 +- 0.7; 4.2	18.7 +- 1.5
9	177 0.6	Missing Dosimeter	No Net Data	16.2 +- 1.5
10	183 0.5	19.8 +- 0.6; 3.0	17.1 +- 0.7; 4.0	18.8 +- 2.1
11	193 0.6	18.7 +- 0.6; 2.8	15.9 +- 0.6; 3.9	17.9 +- 2.0
12	220 0.9	21.2 +- 0.6; 3.2	18.4 +- 0.7; 4.2	18.4 +- 1.5
13	239 0.8	20.3 +- 0.6; 3.0	17.6 +- 0.7; 4.1	17.7 +- 1.4
14	262 0.7	21.0 +- 0.6; 3.1	18.2 +- 0.7; 4.2	19.3 +- 1.7
15	283 0.8	19.3 +- 0.6; 2.9	16.5 +- 0.6; 4.0	18.3 +- 1.9
16	303 1.0	20.1 +- 0.6; 3.0	17.4 +- 0.7; 4.1	16.9 +- 1.5
17	326 1.6	18.2 +- 0.5; 2.7	15.5 +- 0.6; 3.9	16.6 +- 1.8
18	23 4.0	Missing Dosimeter	No Net Data	15.7 +- 1.3
19	17 4.1	Missing Dosimeter	No Net Data	14.4 +- 1.2
20	5 4.3	20.4 +- 0.6; 3.1	17.7 +- 0.7; 4.1	17.3 +- 1.4
21	340 4.2	20.3 +- 0.6; 3.0	17.6 +- 0.7; 4.1	18.5 +- 2.1
22	322 4.9	19.6 +- 0.6; 2.9	16.9 +- 0.6; 4.0	19.0 +- 2.4
23	298 6.9	18.6 +- 0.6; 2.8	15.9 +- 0.6; 3.9	16.0 +- 1.2
24	262 4.8	18.4 +- 0.6; 2.8	15.7 +- 0.6; 3.9	15.7 +- 1.2
25	244 4.6	18.7 +- 0.6; 2.8	16.0 +- 0.6; 3.9	16.0 +- 1.3
26	224 4.8	18.5 +- 0.6; 2.8	15.8 +- 0.6; 3.9	16.4 +- 1.6
27	208 5.2	17.8 +- 0.5; 2.7	15.1 +- 0.6; 3.8	14.9 +- 1.3
28	209 14.0	17.2 +- 0.5; 2.6	14.5 +- 0.6; 3.8	14.5 +- 1.1
29	215 13.0	20.6 +- 0.6; 3.1	17.8 +- 0.7; 4.1	17.5 +- 1.5
30	215 13.0	20.6 +- 0.6; 3.1	17.9 +- 0.7; 4.1	18.4 +- 1.6
31	204 4.6	16.3 +- 0.5; 2.5	13.7 +- 0.6; 3.7	13.6 +- 1.3
32	178 4.4	18.6 +- 0.6; 2.8	15.9 +- 0.6; 3.9	16.0 +- 1.3
33	155 3.9	19.6 +- 0.6; 2.9	16.8 +- 0.6; 4.0	17.7 +- 1.6
34	138 4.6	20.6 +- 0.6; 3.1	17.8 +- 0.7; 4.1	17.9 +- 1.5
35	118 4.4	20.9 +- 0.6; 3.1	18.1 +- 0.7; 4.1	18.6 +- 2.0
36	81 3.8	20.5 +- 0.6; 3.1	17.8 +- 0.7; 4.1	17.0 +- 1.7
37	70 5.5	18.0 +- 0.5; 2.7	15.3 +- 0.6; 3.8	16.5 +- 2.0
38	45 4.0	18.3 +- 0.5; 2.7	15.6 +- 0.6; 3.9	15.2 +- 1.4
39	40 6.8	20.9 +- 0.6; 3.1	18.1 +- 0.7; 4.1	18.2 +- 1.2
40	45 15.0	17.5 +- 0.5; 2.6	14.8 +- 0.6; 3.8	14.5 +- 1.2
41	220 3.0	21.0 +- 0.6; 3.2	18.3 +- 0.7; 4.2	19.7 +- 2.0

Transit Dose = 2.4 +- 0.3; 2.9

BYRON

For the period 951205-960416

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 +- 0.2	2
11.26 - 33.75 NNE	18.6 +- 0.0	1
33.76 - 56.25 NE	16.5 +- 1.6	4
56.26 - 78.75 ENE	17.1 +- 2.6	2
78.76 - 101.25 E	19.0 +- 1.8	2
101.26 - 123.75 ESE	18.3 +- 0.3	2
123.76 - 146.25 SE	18.5 +- 1.0	2
146.26 - 168.75 SSE	16.8 +- 0.0	1
168.76 - 191.25 S	17.2 +- 1.4	3
191.26 - 213.75 SSW	14.9 +- 1.1	3
213.76 - 236.25 SW	17.5 +- 1.5	3
236.26 - 258.75 WSW	16.8 +- 1.1	2
258.76 - 281.25 W	16.9 +- 1.8	2
281.26 - 303.75 WNW	16.6 +- 0.7	3
303.76 - 326.25 NW	16.2 +- 1.0	2
326.26 - 348.75 NNW	17.6 +- 0.0	1

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	17.9 +- 1.3	15
2 - 5	16.8 +- 1.3	15
> 5	15.8 +- 1.3	5
Upwind Control	16.7 +- 1.9	3

NRC TLD DOSES FOR BYRON AREA

CALLAWAY

TLD Direct Radiation Environmental Monitoring

For the period 951205-960423 141 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	247 2.1	22.4 +- 0.7; 3.4	18.3 +- 0.7; 4.2	21.1 +- 2.5
2	259 1.4	22.2 +- 0.7; 3.3	18.0 +- 0.7; 4.2	19.8 +- 1.7
3	282 1.3	22.9 +- 0.7; 3.4	18.7 +- 0.7; 4.3	19.5 +- 1.7
4	304 1.3	22.6 +- 0.7; 3.4	18.5 +- 0.7; 4.3	20.5 +- 2.5
5	330 1.7	22.6 +- 0.7; 3.4	18.4 +- 0.7; 4.3	18.0 +- 1.9
6	1 1.7	21.6 +- 0.6; 3.2	17.5 +- 0.7; 4.2	17.1 +- 0.8
7	23 2.0	20.6 +- 0.6; 3.1	16.6 +- 0.7; 4.1	17.0 +- 0.9
8	77 0.7	21.7 +- 0.7; 3.3	17.6 +- 0.7; 4.2	17.8 +- 0.7
9	85 1.4	23.4 +- 0.7; 3.5	19.1 +- 0.7; 4.3	18.8 +- 1.0
10	98 1.5	21.9 +- 0.7; 3.3	17.8 +- 0.7; 4.2	17.3 +- 1.0
11	121 2.0	20.6 +- 0.6; 3.1	16.5 +- 0.7; 4.1	18.8 +- 2.6
12	140 2.0	21.9 +- 0.7; 3.3	17.8 +- 0.7; 4.2	18.6 +- 1.8
13	158 2.5	22.2 +- 0.7; 3.3	18.0 +- 0.7; 4.2	17.8 +- 0.9
14	183 3.7	22.0 +- 0.7; 3.3	17.9 +- 0.7; 4.2	18.6 +- 1.9
15	188 1.7	24.5 +- 0.7; 3.7	20.2 +- 0.8; 4.5	18.6 +- 1.1
16	202 0.7	23.3 +- 0.7; 3.5	19.1 +- 0.7; 4.3	17.4 +- 1.0
17	237 0.7	22.5 +- 0.7; 3.4	18.3 +- 0.7; 4.2	19.4 +- 1.6
18	312 11.0	23.4 +- 0.7; 3.5	19.2 +- 0.7; 4.3	17.9 +- 1.8
19	292 10.0	22.5 +- 0.7; 3.4	18.3 +- 0.7; 4.2	17.6 +- 0.9
20	268 9.0	21.8 +- 0.7; 3.3	17.7 +- 0.7; 4.2	18.0 +- 0.9
21	247 8.0	22.5 +- 0.7; 3.4	18.3 +- 0.7; 4.2	20.3 +- 2.0
22	225 8.0	21.7 +- 0.6; 3.2	17.5 +- 0.7; 4.2	17.7 +- 0.9
23	220 8.0	23.6 +- 0.7; 3.5	19.4 +- 0.7; 4.4	19.1 +- 2.0
24	205 5.5	22.0 +- 0.7; 3.3	17.9 +- 0.7; 4.2	16.3 +- 2.2
25	157 4.0	23.2 +- 0.7; 3.5	19.0 +- 0.7; 4.3	20.5 +- 2.3
26	134 5.0	21.2 +- 0.6; 3.2	17.2 +- 0.7; 4.1	16.1 +- 1.0
27	115 4.2	23.4 +- 0.7; 3.5	19.1 +- 0.7; 4.3	21.1 +- 2.1
28	95 3.5	24.2 +- 0.7; 3.6	19.9 +- 0.7; 4.4	21.0 +- 1.9
29	67 3.4	24.4 +- 0.7; 3.7	20.2 +- 0.8; 4.5	19.6 +- 0.9
30	48 4.5	21.2 +- 0.6; 3.2	17.1 +- 0.7; 4.1	16.7 +- 0.9
31	14 6.5	22.4 +- 0.7; 3.4	18.2 +- 0.7; 4.2	18.9 +- 0.9
32	2 5.1	23.9 +- 0.7; 3.6	19.7 +- 0.7; 4.4	18.6 +- 1.0
33	335 3.6	20.2 +- 0.6; 3.0	16.1 +- 0.6; 4.0	16.2 +- 1.1
34	288 4.3	22.1 +- 0.7; 3.3	17.9 +- 0.7; 4.2	18.8 +- 0.9
35	310 5.2	23.8 +- 0.7; 3.6	19.6 +- 0.7; 4.4	18.8 +- 0.9
36	264 3.2	19.0 +- 0.6; 2.9	15.1 +- 0.6; 3.9	14.3 +- 1.3
37	237 3.0	23.6 +- 0.7; 3.5	19.3 +- 0.7; 4.4	20.1 +- 1.5
38	270 15.0	21.2 +- 0.6; 3.2	17.1 +- 0.7; 4.1	16.8 +- 1.8
39	270 15.0	21.4 +- 0.6; 3.2	17.3 +- 0.7; 4.1	17.3 +- 2.8
40	203 20.0	22.9 +- 0.7; 3.4	18.7 +- 0.7; 4.3	18.5 +- 0.8

Transit Dose = 3.0 +- 0.3; 3.0

CALLAWAY

For the period 951205-960423

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 +- 1.5	2
11.26 - 33.75 NNE	17.4 +- 1.2	2
33.76 - 56.25 NE	17.1 +- 0.0	1
56.26 - 78.75 ENE	18.9 +- 1.8	2
78.76 - 101.25 E	19.0 +- 1.1	3
101.26 - 123.75 ESE	17.8 +- 1.8	2
123.76 - 146.25 SE	17.5 +- 0.4	2
146.26 - 168.75 SSE	18.5 +- 0.7	2
168.76 - 191.25 S	19.0 +- 1.6	2
191.26 - 213.75 SSW	18.5 +- 0.8	2
213.76 - 236.25 SW	18.5 +- 1.3	2
236.26 - 258.75 WSW	18.6 +- 0.5	4
258.76 - 281.25 W	16.9 +- 1.6	3
281.26 - 303.75 WNW	18.3 +- 0.4	3
303.76 - 326.25 NW	19.1 +- 0.6	3
326.26 - 348.75 NNW	17.3 +- 1.6	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	18.1 +- 1.0	14
2 - 5	18.1 +- 1.5	13
> 5	18.6 +- 0.8	10
Upwind Control	17.7 +- 0.9	3

NRC TLD DOSES FOR CALLAWAY AREA

Miles

Legend

Water

Highways

Railroads

Roads

Plant..site

CALVERT CLIFFS

TLD Direct Radiation Environmental Monitoring

For the period 951207-960423 139 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	275	1.5	15.1	+- 0.5; 2.3	11.8	+- 0.7; 4.0	13.8	+- 2.0
3	284	1.7	15.1	+- 0.5; 2.3	11.8	+- 0.7; 4.0	13.6	+- 1.9
4	323	2.4	16.5	+- 0.5; 2.5	13.4	+- 0.7; 4.2	13.5	+- 1.2
5	297	3.1	15.5	+- 0.5; 2.3	12.2	+- 0.7; 4.1	14.3	+- 1.9
6	324	4.7	14.9	+- 0.4; 2.2	11.6	+- 0.6; 4.0	14.4	+- 2.0
7	324	5.5	15.8	+- 0.5; 2.4	12.6	+- 0.7; 4.1	13.0	+- 1.5
8	256	6.1	13.5	+- 0.4; 2.0	10.0	+- 0.6; 3.9	12.6	+- 2.0
9	273	4.1	16.2	+- 0.5; 2.4	13.1	+- 0.7; 4.2	13.1	+- 1.4
10	253	3.7	16.5	+- 0.5; 2.5	13.4	+- 0.7; 4.2	14.9	+- 1.7
11	230	4.0	16.7	+- 0.5; 2.5	13.7	+- 0.7; 4.2	14.7	+- 1.2
12	243	1.3	17.0	+- 0.5; 2.6	14.0	+- 0.7; 4.3	14.3	+- 1.2
13	222	1.5	15.9	+- 0.5; 2.4	12.7	+- 0.7; 4.1	15.4	+- 1.9
14	208	1.8	15.4	+- 0.5; 2.3	12.2	+- 0.7; 4.1	12.2	+- 1.4
15	176	2.4	18.0	+- 0.5; 2.7	15.2	+- 0.7; 4.4	17.0	+- 2.0
16	160	1.5	19.2	+- 0.6; 2.9	16.5	+- 0.8; 4.5	16.0	+- 1.4
19	159	3.8	17.0	+- 0.5; 2.6	14.0	+- 0.7; 4.3	14.1	+- 1.3
20	139	4.7	14.7	+- 0.4; 2.2	11.4	+- 0.6; 4.0	13.0	+- 1.9
21	201	4.0	16.0	+- 0.5; 2.4	12.8	+- 0.7; 4.1	13.8	+- 1.3
22	187	4.7	15.9	+- 0.5; 2.4	12.7	+- 0.7; 4.1	13.1	+- 0.9
23	201	8.7	16.6	+- 0.5; 2.5	13.5	+- 0.7; 4.2	14.1	+- 1.3
24	190	7.8	15.4	+- 0.5; 2.3	12.1	+- 0.7; 4.1	12.3	+- 1.0
25	325	6.7	15.8	+- 0.5; 2.4	12.6	+- 0.7; 4.1	13.6	+- 1.2
26	314	11.0	16.1	+- 0.5; 2.4	12.9	+- 0.7; 4.2	12.9	+- 1.2
27	314	11.0	15.7	+- 0.5; 2.4	12.5	+- 0.7; 4.1	12.9	+- 1.1
28	315	10.0	16.8	+- 0.5; 2.5	13.8	+- 0.7; 4.2	15.2	+- 1.7
29	186	12.0	18.5	+- 0.6; 2.8	15.7	+- 0.7; 4.4	15.6	+- 1.4

Transit Dose = 4.9 +- 0.3; 2.7

CALVERT CLIFFS
For the period 951207-960423

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	11.4 +- 0.0	1
146.26 - 168.75 SSE	15.3 +- 1.8	2
168.76 - 191.25 S	13.9 +- 1.8	4
191.26 - 213.75 SSW	12.8 +- 0.7	3
213.76 - 236.25 SW	13.2 +- 0.7	2
236.26 - 258.75 WSW	12.5 +- 2.2	3
258.76 - 281.25 W	12.4 +- 0.9	2
281.26 - 303.75 WNW	12.0 +- 0.3	2
303.76 - 326.25 NW	12.6 +- 0.7	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	13.2 +- 1.9	6
2 - 5	13.0 +- 1.1	11
> 5	12.8 +- 1.9	6
Upwind Control	13.1 +- 0.6	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 951206-960410 127 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	134	0.1	26.2	+- 0.8; 3.9	19.4	+- 0.9; 5.1	19.3	+- 1.9
2	162	0.4	24.3	+- 0.7; 3.6	17.5	+- 0.8; 4.8	15.8	+- 2.2
3	132	0.8	25.7	+- 0.8; 3.9	19.0	+- 0.9; 5.0	18.6	+- 1.8
4	111	1.3	23.3	+- 0.7; 3.5	16.6	+- 0.8; 4.7	16.0	+- 1.5
5	45	0.7	23.8	+- 0.7; 3.6	17.1	+- 0.8; 4.8	15.8	+- 1.8
6	298	1.3	25.2	+- 0.8; 3.8	18.4	+- 0.9; 4.9	17.7	+- 1.9
7	4	0.6	22.0	+- 0.7; 3.3	15.3	+- 0.8; 4.6	15.4	+- 2.1
8	332	1.5	25.6	+- 0.8; 3.8	18.9	+- 0.9; 5.0	19.1	+- 2.1
9	318	1.6	20.0	+- 0.6; 3.0	13.2	+- 0.7; 4.4	12.6	+- 2.3
10	176	1.8	23.1	+- 0.7; 3.5	16.3	+- 0.8; 4.7	16.6	+- 2.5
11	203	1.5	23.2	+- 0.7; 3.5	16.4	+- 0.8; 4.7	16.7	+- 1.9
12	225	1.5	22.1	+- 0.7; 3.3	15.3	+- 0.8; 4.6	16.9	+- 2.6
13	250	1.9	22.1	+- 0.7; 3.3	15.3	+- 0.8; 4.6	14.5	+- 2.3
14	270	1.4	19.6	+- 0.6; 2.9	12.8	+- 0.7; 4.3	12.6	+- 2.1
15	331	3.0	21.6	+- 0.6; 3.2	14.8	+- 0.8; 4.6	14.3	+- 1.9
16	311	3.9	21.2	+- 0.6; 3.2	14.4	+- 0.8; 4.5	13.3	+- 2.2
17	296	9.5	25.2	+- 0.8; 3.8	18.4	+- 0.9; 4.9	18.0	+- 2.2
18	324	4.8	22.5	+- 0.7; 3.4	15.8	+- 0.8; 4.6	15.1	+- 2.6
19	352	4.8	20.8	+- 0.6; 3.1	14.1	+- 0.8; 4.5	13.2	+- 2.1
20	22	4.0	25.1	+- 0.8; 3.8	18.4	+- 0.9; 4.9	16.8	+- 2.1
21	290	3.9	22.5	+- 0.7; 3.4	15.7	+- 0.8; 4.6	15.1	+- 1.7
22	266	4.0	22.5	+- 0.7; 3.4	15.8	+- 0.8; 4.7	16.2	+- 2.2
23	251	4.0	20.0	+- 0.6; 3.0	13.2	+- 0.7; 4.4	11.5	+- 2.2
24	229	3.9	19.7	+- 0.6; 3.0	12.9	+- 0.7; 4.4	12.4	+- 2.0
25	202	4.4	22.7	+- 0.7; 3.4	15.9	+- 0.8; 4.7	17.3	+- 1.5
26	51	4.3	25.2	+- 0.8; 3.8	18.5	+- 0.9; 5.0	18.2	+- 1.5
27	64	7.9	20.3	+- 0.6; 3.0	13.5	+- 0.7; 4.4	12.1	+- 1.8
28	61	4.9	23.1	+- 0.7; 3.5	16.4	+- 0.8; 4.7	15.5	+- 2.0
29	49	1.9	21.7	+- 0.7; 3.3	14.9	+- 0.8; 4.6	14.8	+- 2.8
30	64	1.8	20.6	+- 0.6; 3.1	13.9	+- 0.8; 4.4	15.0	+- 1.7
31	87	1.6	22.2	+- 0.7; 3.3	15.4	+- 0.8; 4.6	14.5	+- 1.9
32	121	2.6	22.3	+- 0.7; 3.3	15.5	+- 0.8; 4.6	15.6	+- 1.7
33	114	7.6	Damaged Dosimeter		No Net Data		14.3	+- 2.4
34	93	4.5	26.6	+- 0.8; 4.0	19.9	+- 0.9; 5.1	17.3	+- 2.3
35	132	4.3	28.1	+- 0.8; 4.2	21.4	+- 0.9; 5.3	20.7	+- 1.5
36	163	8.9	19.0	+- 0.6; 2.9	12.3	+- 0.7; 4.3	12.6	+- 1.8
37	173	4.9	21.4	+- 0.6; 3.2	14.6	+- 0.8; 4.5	13.9	+- 1.2
38	157	4.6	23.9	+- 0.7; 3.6	17.2	+- 0.8; 4.8	18.4	+- 0.8
39	248	10.0	23.1	+- 0.7; 3.5	16.4	+- 0.8; 4.7	16.0	+- 2.6
40	229	12.0	21.1	+- 0.6; 3.2	14.3	+- 0.8; 4.5	15.4	+- 1.2
41	218	13.0	19.3	+- 0.6; 2.9	12.6	+- 0.7; 4.3	12.6	+- 2.9
42	213	16.0	21.7	+- 0.7; 3.3	15.0	+- 0.8; 4.6	15.5	+- 1.3

Transit Dose = 6.8 +- 0.4; 3.2

CATAWBA

For the period 951206-960410

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 +- 0.9	2
11.26 - 33.75 NNE	18.4 +- 0.0	1
33.76 - 56.25 NE	16.8 +- 1.8	3
56.26 - 78.75 ENE	14.6 +- 1.6	3
78.76 - 101.25 E	17.6 +- 3.2	2
101.26 - 123.75 ESE	16.1 +- 0.7	2
123.76 - 146.25 SE	19.9 +- 1.3	3
146.26 - 168.75 SSE	15.7 +- 2.9	3
168.76 - 191.25 S	15.5 +- 1.2	2
191.26 - 213.75 SSW	16.2 +- 0.3	2
213.76 - 236.25 SW	14.1 +- 1.7	2
236.26 - 258.75 WSW	15.0 +- 1.6	3
258.76 - 281.25 W	14.3 +- 2.1	2
281.26 - 303.75 WNW	17.5 +- 1.6	3
303.76 - 326.25 NW	14.5 +- 1.3	3
326.26 - 348.75 NNW	16.8 +- 2.8	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	16.2 +- 2.0	17
2 - 5	16.1 +- 2.3	17
> 5	15.1 +- 2.8	4
Upwind Control	14.0 +- 1.2	3

NRC TLD DOSES FOR CATAWBA AREA

CLINTON

TLD Direct Radiation Environmental Monitoring

For the period 951205-960416 134 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	5	0.6	22.5	+- 0.7; 3.4	19.7	+- 0.8; 4.6	18.9	+- 2.4
2	40	0.7	22.0	+- 0.7; 3.3	19.1	+- 0.8; 4.6	18.7	+- 1.1
3	35	0.8	23.9	+- 0.7; 3.6	21.2	+- 0.8; 4.8	21.4	+- 1.7
4	163	0.5	21.5	+- 0.6; 3.2	18.6	+- 0.8; 4.5	19.1	+- 1.5
5	210	0.5	22.9	+- 0.7; 3.4	20.1	+- 0.8; 4.7	19.3	+- 1.5
6	223	0.6	23.1	+- 0.7; 3.5	20.3	+- 0.8; 4.7	19.3	+- 1.3
7	235	0.8	21.9	+- 0.7; 3.3	19.0	+- 0.8; 4.6	18.9	+- 1.2
8	62	1.9	21.8	+- 0.7; 3.3	19.0	+- 0.8; 4.6	18.4	+- 1.4
9	78	1.8	20.4	+- 0.6; 3.1	17.4	+- 0.7; 4.4	18.3	+- 1.2
10	79	2.6	20.8	+- 0.6; 3.1	17.9	+- 0.7; 4.4	18.5	+- 1.8
11	100	2.3	22.5	+- 0.7; 3.4	19.6	+- 0.8; 4.6	18.6	+- 1.2
12	115	3.0	19.2	+- 0.6; 2.9	16.1	+- 0.7; 4.2	16.9	+- 2.1
13	127	3.2	22.4	+- 0.7; 3.4	19.6	+- 0.8; 4.6	18.6	+- 1.4
14	155	2.1	22.5	+- 0.7; 3.4	19.6	+- 0.8; 4.6	18.9	+- 1.3
15	185	3.0	20.0	+- 0.6; 3.0	17.0	+- 0.7; 4.3	18.7	+- 1.9
16	203	3.2	20.1	+- 0.6; 3.0	17.2	+- 0.7; 4.4	17.8	+- 1.3
17	230	3.7	22.7	+- 0.7; 3.4	19.9	+- 0.8; 4.7	18.3	+- 1.5
18	255	2.8	22.6	+- 0.7; 3.4	19.7	+- 0.8; 4.6	19.2	+- 1.3
19	275	2.3	21.8	+- 0.7; 3.3	18.9	+- 0.8; 4.5	18.5	+- 1.2
20	302	0.9	21.9	+- 0.7; 3.3	19.1	+- 0.8; 4.6	18.1	+- 1.2
21	336	0.8	21.4	+- 0.6; 3.2	18.5	+- 0.8; 4.5	18.0	+- 1.4
22	0	0.6	20.1	+- 0.6; 3.0	17.1	+- 0.7; 4.3	18.5	+- 1.3
23	358	4.6	21.3	+- 0.6; 3.2	18.4	+- 0.8; 4.5	19.3	+- 1.4
24	20	3.9	21.3	+- 0.6; 3.2	18.3	+- 0.8; 4.5	18.3	+- 1.3
25	46	5.0	22.4	+- 0.7; 3.4	19.5	+- 0.8; 4.6	19.0	+- 1.1
26	62	5.5	20.8	+- 0.6; 3.1	17.9	+- 0.7; 4.4	16.9	+- 1.2
27	90	4.8	22.5	+- 0.7; 3.4	19.6	+- 0.8; 4.6	17.8	+- 1.4
28	115	5.2	21.2	+- 0.6; 3.2	18.3	+- 0.8; 4.5	17.4	+- 1.0
29	128	5.1	21.8	+- 0.7; 3.3	19.0	+- 0.8; 4.6	18.1	+- 1.2
30	153	5.8	20.7	+- 0.6; 3.1	17.8	+- 0.7; 4.4	18.6	+- 1.5
31	173	5.2	21.1	+- 0.6; 3.2	18.2	+- 0.8; 4.5	18.0	+- 1.2
32	205	4.7	21.6	+- 0.6; 3.2	18.7	+- 0.8; 4.5	18.1	+- 1.3
33	238	6.1	21.6	+- 0.6; 3.2	18.7	+- 0.8; 4.5	18.2	+- 1.3
34	252	5.8	20.7	+- 0.6; 3.1	17.8	+- 0.7; 4.4	17.5	+- 2.1
35	260	6.6	18.2	+- 0.5; 2.7	15.1	+- 0.7; 4.1	14.8	+- 1.5
36	272	4.8	22.6	+- 0.7; 3.4	19.7	+- 0.8; 4.6	18.5	+- 1.3
37	288	4.8	21.7	+- 0.6; 3.2	18.8	+- 0.8; 4.5	17.4	+- 1.3
38	297	7.6	20.1	+- 0.6; 3.0	17.2	+- 0.7; 4.4	16.2	+- 1.3
39	315	5.1	21.4	+- 0.6; 3.2	18.5	+- 0.8; 4.5	18.4	+- 1.8
40	342	4.8	21.7	+- 0.7; 3.3	18.8	+- 0.8; 4.5	18.2	+- 1.2
41	65	12.0	21.5	+- 0.6; 3.2	18.6	+- 0.8; 4.5	17.7	+- 1.9
42	148	12.0	26.5	+- 0.8; 4.0	23.9	+- 0.9; 5.1	18.4	+- 1.9
43	148	12.0	25.3	+- 0.8; 3.8	22.7	+- 0.9; 5.0	18.9	+- 1.8
44	206	14.0	18.9	+- 0.6; 2.8	15.8	+- 0.7; 4.2	15.7	+- 1.3

Transit Dose = 3.9 +- 0.3; 2.8

CLINTON

For the period 951205-960416

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	18.4 +- 1.3	3
11.26 - 33.75 NNE	18.3 +- 0.0	1
33.76 - 56.25 NE	20.0 +- 1.1	3
56.26 - 78.75 ENE	18.2 +- 0.7	4
78.76 - 101.25 E	19.1 +- 1.0	3
101.26 - 123.75 ESE	17.2 +- 1.5	2
123.76 - 146.25 SE	19.3 +- 0.5	2
146.26 - 168.75 SSE	18.7 +- 0.9	3
168.76 - 191.25 S	17.6 +- 0.8	2
191.26 - 213.75 SSW	18.7 +- 1.5	3
213.76 - 236.25 SW	19.7 +- 0.6	3
236.26 - 258.75 WSW	18.7 +- 1.0	3
258.76 - 281.25 W	17.9 +- 2.5	3
281.26 - 303.75 WNW	18.3 +- 1.0	3
303.76 - 326.25 NW	18.5 +- 0.0	1
326.26 - 348.75 NNW	18.6 +- 0.2	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	19.1 +- 1.1	12
2 - 5	18.8 +- 1.1	18
> 5	17.9 +- 1.1	11
Upwind Control	20.8 +- 4.4	3

NRC TLD DOSES FOR CLINTON AREA

Miles

Legend

Water

Highways

Railroads

Roads

Plant..site

COMANCHE PEAK

TLD Direct Radiation Environmental Monitoring

For the period 951204-960424 143 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	306 1.4	20.5 +- 0.6; 3.1	16.7 +- 0.8; 4.5	15.3 +- 1.1
2	285 1.5	20.7 +- 0.6; 3.1	16.9 +- 0.8; 4.5	16.0 +- 1.1
3	268 1.1	17.8 +- 0.5; 2.7	13.8 +- 0.7; 4.1	14.1 +- 0.8
4	253 0.9	20.7 +- 0.6; 3.1	16.9 +- 0.8; 4.5	15.4 +- 1.0
5	218 1.0	19.5 +- 0.6; 2.9	15.6 +- 0.7; 4.3	15.5 +- 0.9
6	200 1.0	18.6 +- 0.6; 2.8	14.6 +- 0.7; 4.2	13.7 +- 1.2
7	180 1.4	19.5 +- 0.6; 2.9	15.6 +- 0.7; 4.3	13.8 +- 0.9
8	163 1.6	21.9 +- 0.7; 3.3	18.2 +- 0.8; 4.6	15.8 +- 1.5
9	140 1.3	20.5 +- 0.6; 3.1	16.7 +- 0.8; 4.5	15.7 +- 0.8
10	118 1.5	19.5 +- 0.6; 2.9	15.6 +- 0.7; 4.3	14.0 +- 1.2
11	93 1.9	18.7 +- 0.6; 2.8	14.8 +- 0.7; 4.2	15.5 +- 2.6
12	73 2.4	21.9 +- 0.7; 3.3	18.2 +- 0.8; 4.6	17.2 +- 1.0
13	245 1.7	19.3 +- 0.6; 2.9	15.4 +- 0.7; 4.3	14.2 +- 1.0
14	156 4.3	18.1 +- 0.5; 2.7	14.1 +- 0.7; 4.2	13.9 +- 1.2
15	186 7.0	20.0 +- 0.6; 3.0	16.2 +- 0.7; 4.4	15.1 +- 1.4
16	183 4.1	19.0 +- 0.6; 2.8	15.0 +- 0.7; 4.3	15.5 +- 1.4
17	205 4.3	20.2 +- 0.6; 3.0	16.4 +- 0.7; 4.4	15.4 +- 0.8
18	225 3.4	16.6 +- 0.5; 2.5	12.6 +- 0.6; 4.0	12.9 +- 1.1
19	245 5.2	19.8 +- 0.6; 3.0	15.9 +- 0.7; 4.4	15.4 +- 0.8
20	264 5.8	19.2 +- 0.6; 2.9	15.3 +- 0.7; 4.3	13.9 +- 0.9
21	258 3.2	19.1 +- 0.6; 2.9	15.1 +- 0.7; 4.3	13.8 +- 1.0
22	284 5.1	17.7 +- 0.5; 2.7	13.7 +- 0.7; 4.1	13.5 +- 1.1
23	313 5.8	19.9 +- 0.6; 3.0	16.0 +- 0.7; 4.4	15.2 +- 1.0
24	332 4.9	19.5 +- 0.6; 2.9	15.6 +- 0.7; 4.3	14.3 +- 0.9
25	9 4.6	19.5 +- 0.6; 2.9	15.6 +- 0.7; 4.3	14.9 +- 1.0
26	26 4.5	19.8 +- 0.6; 3.0	15.9 +- 0.7; 4.4	14.6 +- 1.1
27	47 4.1	20.2 +- 0.6; 3.0	16.4 +- 0.7; 4.4	14.4 +- 1.0
28	6 1.8	19.7 +- 0.6; 2.9	15.8 +- 0.7; 4.4	15.0 +- 1.1
29	16 1.9	19.9 +- 0.6; 3.0	16.1 +- 0.7; 4.4	14.6 +- 1.1
30	102 3.0	21.4 +- 0.6; 3.2	17.6 +- 0.8; 4.6	15.7 +- 1.3
31	108 3.9	19.4 +- 0.6; 2.9	15.5 +- 0.7; 4.3	14.8 +- 1.0
32	135 4.6	20.6 +- 0.6; 3.1	16.8 +- 0.8; 4.5	15.6 +- 1.1
33	152 6.3	18.7 +- 0.6; 2.8	14.8 +- 0.7; 4.2	13.8 +- 1.1
34	47 2.9	18.9 +- 0.6; 2.8	14.9 +- 0.7; 4.3	13.6 +- 1.4
35	85 4.8	20.2 +- 0.6; 3.0	16.3 +- 0.7; 4.4	15.1 +- 1.1
36	115 7.5	21.1 +- 0.6; 3.2	17.3 +- 0.8; 4.5	15.2 +- 1.2
37	355 9.4	20.3 +- 0.6; 3.0	16.4 +- 0.7; 4.4	14.3 +- 1.1
38	337 9.2	19.2 +- 0.6; 2.9	15.2 +- 0.7; 4.3	14.3 +- 1.1
39	310 9.9	19.0 +- 0.6; 2.9	15.1 +- 0.7; 4.3	14.3 +- 1.2
40	302 8.1	19.7 +- 0.6; 3.0	15.9 +- 0.7; 4.4	13.7 +- 1.2
41	248 7.9	21.4 +- 0.6; 3.2	17.6 +- 0.8; 4.6	15.8 +- 0.9
42	90 0.5	19.8 +- 0.6; 3.0	16.0 +- 0.7; 4.4	14.3 +- 1.5
43	18 9.8	19.5 +- 0.6; 2.9	15.6 +- 0.7; 4.3	14.9 +- 1.0
44	263 1.7	21.1 +- 0.6; 3.2	17.3 +- 0.8; 4.5	13.7 +- 1.7
45	218 12.0	19.6 +- 0.6; 2.9	15.7 +- 0.7; 4.3	14.9 +- 1.0
46	140 12.0	19.8 +- 0.6; 3.0	15.9 +- 0.7; 4.4	14.8 +- 1.0
47	301 21.0	18.5 +- 0.6; 2.8	14.6 +- 0.7; 4.2	14.5 +- 0.9

Transit Dose = 4.8 +- 0.4; 2.9

COMANCHE PEAK
For the period 951204-960424

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	15.9 +- 0.5	3
11.26 - 33.75 NNE	15.9 +- 0.2	3
33.76 - 56.25 NE	15.7 +- 1.0	2
56.26 - 78.75 ENE	18.2 +- 0.0	1
78.76 - 101.25 E	15.7 +- 0.8	3
101.26 - 123.75 ESE	16.5 +- 1.1	4
123.76 - 146.25 SE	16.5 +- 0.5	3
146.26 - 168.75 SSE	15.7 +- 2.2	3
168.76 - 191.25 S	15.6 +- 0.6	3
191.26 - 213.75 SSW	15.5 +- 1.2	2
213.76 - 236.25 SW	14.6 +- 1.8	3
236.26 - 258.75 WSW	16.2 +- 1.0	5
258.76 - 281.25 W	15.5 +- 1.7	3
281.26 - 303.75 WNW	15.3 +- 1.4	4
303.76 - 326.25 NW	15.9 +- 0.8	3
326.26 - 348.75 NNW	15.4 +- 0.3	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	16.0 +- 1.1	16
2 - 5	15.7 +- 1.4	15
> 5	15.7 +- 1.0	16
Upwind Control	No Data +- No Data	0

NRC TLD DOSES FOR COMANCHE PEAK AREA

COOPER

TLD Direct Radiation Environmental Monitoring

For the period 951204-960424 143 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	350	2.3	26.0 +- 0.8; 3.9	17.7 +- 1.0; 5.4	18.2 +- 1.6
2	6	3.5	27.4 +- 0.8; 4.1	19.2 +- 1.0; 5.5	19.0 +- 1.2
3	18	2.7	26.6 +- 0.8; 4.0	18.3 +- 1.0; 5.4	19.6 +- 1.5
4	16	3.2	28.1 +- 0.8; 4.2	20.0 +- 1.0; 5.6	19.7 +- 1.5
5	47	1.9	27.0 +- 0.8; 4.1	18.8 +- 1.0; 5.5	19.6 +- 1.3
6	40	3.6	26.0 +- 0.8; 3.9	17.7 +- 1.0; 5.4	18.9 +- 1.7
7	75	2.7	26.8 +- 0.8; 4.0	18.6 +- 1.0; 5.5	18.7 +- 1.9
8	55	2.8	26.4 +- 0.8; 4.0	18.2 +- 1.0; 5.4	18.8 +- 1.9
9	80	2.1	28.2 +- 0.8; 4.2	20.1 +- 1.0; 5.6	20.4 +- 1.6
10	98	3.7	25.5 +- 0.8; 3.8	17.2 +- 0.9; 5.3	18.7 +- 1.3
11	118	2.3	27.5 +- 0.8; 4.1	19.3 +- 1.0; 5.5	20.1 +- 1.5
12	109	4.6	Missing Dosimeter	No Net Data	19.9 +- 1.3
13	141	3.2	27.2 +- 0.8; 4.1	19.0 +- 1.0; 5.5	19.5 +- 1.3
14	126	5.6	28.6 +- 0.9; 4.3	20.4 +- 1.0; 5.7	18.2 +- 1.7
15	159	2.7	27.9 +- 0.8; 4.2	19.7 +- 1.0; 5.6	18.8 +- 1.5
16	167	4.9	24.8 +- 0.7; 3.7	16.5 +- 0.9; 5.2	19.4 +- 2.4
17	205	0.3	27.7 +- 0.8; 4.1	19.5 +- 1.0; 5.6	19.5 +- 1.9
18	186	4.7	29.8 +- 0.9; 4.5	21.7 +- 1.1; 5.8	20.4 +- 1.6
19	213	3.0	27.7 +- 0.8; 4.2	19.6 +- 1.0; 5.6	19.3 +- 1.4
20	195	4.9	29.5 +- 0.9; 4.4	21.4 +- 1.1; 5.8	20.4 +- 1.7
21	222	2.0	27.3 +- 0.8; 4.1	19.1 +- 1.0; 5.5	18.4 +- 1.4
22	215	5.7	27.7 +- 0.8; 4.2	19.6 +- 1.0; 5.6	20.4 +- 1.7
23	256	1.5	29.3 +- 0.9; 4.4	21.2 +- 1.0; 5.8	20.1 +- 1.7
24	238	5.2	27.5 +- 0.8; 4.1	19.4 +- 1.0; 5.5	20.1 +- 1.6
25	276	2.2	27.8 +- 0.8; 4.2	19.7 +- 1.0; 5.6	20.6 +- 1.4
26	260	3.8	29.6 +- 0.9; 4.4	21.6 +- 1.1; 5.8	20.6 +- 1.3
27	301	1.8	27.9 +- 0.8; 4.2	19.7 +- 1.0; 5.6	20.1 +- 1.4
28	286	4.3	29.3 +- 0.9; 4.4	21.2 +- 1.0; 5.8	19.9 +- 1.7
29	324	2.8	27.2 +- 0.8; 4.1	19.0 +- 1.0; 5.5	19.3 +- 2.2
30	333	3.7	27.1 +- 0.8; 4.1	18.9 +- 1.0; 5.5	19.9 +- 1.6
31	343	2.6	28.3 +- 0.8; 4.2	20.2 +- 1.0; 5.6	20.3 +- 1.9
32	333	3.7	27.5 +- 0.8; 4.1	19.4 +- 1.0; 5.5	19.9 +- 2.0
33	215	1.0	28.1 +- 0.8; 4.2	19.9 +- 1.0; 5.6	20.2 +- 2.3
34	175	18.0	28.7 +- 0.9; 4.3	20.6 +- 1.0; 5.7	20.5 +- 2.1
35	333	23.0	27.2 +- 0.8; 4.1	19.0 +- 1.0; 5.5	18.8 +- 1.8
36	210	19.0	27.8 +- 0.8; 4.2	19.7 +- 1.0; 5.6	20.0 +- 2.5
37	64	7.0	30.1 +- 0.9; 4.5	22.0 +- 1.1; 5.9	23.2 +- 3.3
38	329	9.0	27.5 +- 0.8; 4.1	19.3 +- 1.0; 5.5	21.7 +- 2.9
39	273	10.0	27.0 +- 0.8; 4.1	18.8 +- 1.0; 5.5	19.3 +- 1.9
40	300	2.5	29.6 +- 0.9; 4.4	21.6 +- 1.1; 5.8	22.3 +- 2.2
42	93	3.5	27.7 +- 0.8; 4.2	19.6 +- 1.0; 5.6	19.1 +- 1.6
43	270	2.2	27.5 +- 0.8; 4.1	19.4 +- 1.0; 5.5	19.9 +- 1.7

Transit Dose = 9.0 +- 0.5; 3.3

COOPER

For the period 951204-960424

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 +- 1.1	2
11.26 - 33.75 NNE	19.1 +- 1.1	2
33.76 - 56.25 NE	18.2 +- 0.6	3
56.26 - 78.75 ENE	20.3 +- 2.4	2
78.76 - 101.25 E	18.9 +- 1.5	3
101.26 - 123.75 ESE	19.3 +- 0.0	1
123.76 - 146.25 SE	19.7 +- 1.0	2
146.26 - 168.75 SSE	18.1 +- 2.3	2
168.76 - 191.25 S	21.7 +- 0.0	1
191.26 - 213.75 SSW	20.2 +- 1.1	3
213.76 - 236.25 SW	19.5 +- 0.4	3
236.26 - 258.75 WSW	20.3 +- 1.3	2
258.76 - 281.25 W	19.9 +- 1.2	4
281.26 - 303.75 WNW	20.8 +- 1.0	3
303.76 - 326.25 NW	19.0 +- 0.0	1
326.26 - 348.75 NNW	19.4 +- 0.6	4

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	19.7 +- 0.8	6
2 - 5	19.4 +- 1.4	26
> 5	19.9 +- 1.1	6
Upwind Control	19.8 +- 0.8	3

NRC TLD DOSES FOR COOPER AREA

Miles

Legend

Water

Highways

Railroads

Roads

Plant..site

CRYSTAL RIVER

TLD Direct Radiation Environmental Monitoring

For the period 951206-960416 133 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	20.4 +- 0.6; 3.1	9.9 +- 0.8; 4.7	12.0 +- 2.4
7	50 3.8	20.6 +- 0.6; 3.1	10.1 +- 0.8; 4.7	12.1 +- 2.6
8	20 5.2	20.9 +- 0.6; 3.1	10.4 +- 0.8; 4.7	12.6 +- 2.3
9	6 5.4	22.7 +- 0.7; 3.4	12.2 +- 0.9; 4.9	14.5 +- 2.4
10	348 5.0	22.0 +- 0.7; 3.3	11.5 +- 0.8; 4.8	13.9 +- 2.3
11	334 4.8	Missing Dosimeter	No Net Data	13.1 +- 2.4
12	318 4.8	Missing Dosimeter	No Net Data	12.7 +- 2.7
13	79 3.8	20.8 +- 0.6; 3.1	10.4 +- 0.8; 4.7	13.3 +- 2.4
14	95 4.1	19.8 +- 0.6; 3.0	9.4 +- 0.8; 4.6	12.6 +- 2.6
15	89 1.8	23.9 +- 0.7; 3.6	13.4 +- 0.9; 5.0	15.2 +- 2.5
16	113 5.0	19.4 +- 0.6; 2.9	9.0 +- 0.8; 4.6	12.0 +- 1.4
17	133 5.5	22.0 +- 0.7; 3.3	11.5 +- 0.8; 4.8	13.7 +- 2.8
18	74 8.1	21.2 +- 0.6; 3.2	10.7 +- 0.8; 4.8	12.4 +- 2.6
19	127 7.6	21.0 +- 0.6; 3.1	10.5 +- 0.8; 4.7	12.8 +- 2.4
20	150 12.0	19.5 +- 0.6; 2.9	9.0 +- 0.8; 4.6	11.8 +- 2.4
21	159 13.0	21.0 +- 0.6; 3.1	10.5 +- 0.8; 4.7	12.9 +- 2.7
22	150 13.0	21.0 +- 0.6; 3.1	10.5 +- 0.8; 4.7	12.8 +- 2.6
23	150 21.0	24.2 +- 0.7; 3.6	13.7 +- 0.9; 5.1	13.7 +- 3.6
24	150 21.0	20.1 +- 0.6; 3.0	9.7 +- 0.8; 4.7	11.8 +- 2.5
25	56 6.1	20.2 +- 0.6; 3.0	9.8 +- 0.8; 4.7	14.4 +- 3.4
26	357 5.2	20.8 +- 0.6; 3.1	10.3 +- 0.8; 4.7	13.4 +- 2.5
27	90 13.0	20.8 +- 0.6; 3.1	10.4 +- 0.8; 4.7	13.0 +- 2.5
28	140 4.8	21.4 +- 0.6; 3.2	11.0 +- 0.8; 4.8	13.3 +- 2.3

Transit Dose = 10.4 +- 0.5; 3.6

CRYSTAL RIVER

For the period 951206-960416

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	11.3 +- 1.3	2
11.26 - 33.75 NNE	10.4 +- 0.0	1
33.76 - 56.25 NE	9.9 +- 0.2	2
56.26 - 78.75 ENE	10.3 +- 0.6	2
78.76 - 101.25 E	10.9 +- 1.8	4
101.26 - 123.75 ESE	9.0 +- 0.0	1
123.76 - 146.25 SE	11.0 +- 0.5	3
146.26 - 168.75 SSE	9.8 +- 1.1	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	No Data +- No Data	0
326.26 - 348.75 NNW	11.5 +- 0.0	1

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	13.4 +- 0.0	1
2 - 5	10.2 +- 0.9	7
> 5	10.5 +- 0.9	10
Upwind Control	11.3 +- 2.1	3

NRC TLD DOSES FOR CRYSTAL RIVER AREA

DAVIS BESSE

TLD Direct Radiation Environmental Monitoring

For the period 951205-960409 127 Days

Field Time: 65 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	15.5 +- 0.5; 2.3	12.8 +- 0.8; 4.7	12.5 +- 1.3
2	86 0.9	17.2 +- 0.5; 2.6	15.2 +- 0.9; 4.9	13.8 +- 1.3
3	116 1.4	16.3 +- 0.5; 2.4	13.9 +- 0.8; 4.8	13.2 +- 1.3
4	172 0.8	18.8 +- 0.6; 2.8	17.3 +- 0.9; 5.2	15.9 +- 1.9
5	200 1.5	21.2 +- 0.6; 3.2	20.6 +- 1.0; 5.6	19.5 +- 1.9
6	226 1.0	19.3 +- 0.6; 2.9	18.1 +- 0.9; 5.3	16.3 +- 1.3
7	249 1.5	18.5 +- 0.6; 2.8	17.0 +- 0.9; 5.1	17.2 +- 1.4
8	267 1.8	18.3 +- 0.5; 2.7	16.7 +- 0.9; 5.1	17.2 +- 1.6
9	285 1.8	19.9 +- 0.6; 3.0	18.8 +- 1.0; 5.3	17.6 +- 1.6
10	306 1.5	17.0 +- 0.5; 2.6	14.9 +- 0.9; 4.9	15.0 +- 1.6
11	344 0.9	17.1 +- 0.5; 2.6	15.1 +- 0.9; 4.9	14.5 +- 1.2
12	142 4.5	19.5 +- 0.6; 2.9	18.3 +- 0.9; 5.3	18.4 +- 1.7
13	158 4.0	20.5 +- 0.6; 3.1	19.7 +- 1.0; 5.4	19.5 +- 1.7
14	180 3.8	17.8 +- 0.5; 2.7	16.0 +- 0.9; 5.0	16.4 +- 1.6
15	207 4.8	19.1 +- 0.6; 2.9	17.8 +- 0.9; 5.2	17.5 +- 2.1
16	225 4.5	18.6 +- 0.6; 2.8	17.0 +- 0.9; 5.1	17.5 +- 1.7
17	254 2.7	Damaged Dosimeter	No Net Data	21.0 +- 1.7
18	269 3.0	19.3 +- 0.6; 2.9	18.0 +- 0.9; 5.2	17.9 +- 1.7
19	295 5.3	20.4 +- 0.6; 3.1	19.6 +- 1.0; 5.4	19.8 +- 1.8
20	25 0.5	14.1 +- 0.4; 2.1	10.9 +- 0.8; 4.5	12.8 +- 1.8
21	132 9.7	17.2 +- 0.5; 2.6	15.1 +- 0.9; 4.9	17.0 +- 1.2
22	210 6.5	18.0 +- 0.5; 2.7	16.3 +- 0.9; 5.1	17.7 +- 3.3

Transit Dose = 6.3 +- 0.3; 2.5

DAVIS BESSE
For the period 951205-960409

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	10.9 +- 0.0	1
33.76 - 56.25 NE	12.8 +- 0.0	1
56.26 - 78.75 ENE	No Data +- No Data	0
78.76 - 101.25 E	15.2 +- 0.0	1
101.26 - 123.75 ESE	13.9 +- 0.0	1
123.76 - 146.25 SE	18.3 +- 0.0	1
146.26 - 168.75 SSE	19.7 +- 0.0	1
168.76 - 191.25 S	16.7 +- 1.0	2
191.26 - 213.75 SSW	19.2 +- 2.0	2
213.76 - 236.25 SW	17.5 +- 0.7	2
236.26 - 258.75 WSW	17.0 +- 0.0	1
258.76 - 281.25 W	17.4 +- 0.9	2
281.26 - 303.75 WNW	19.2 +- 0.6	2
303.76 - 326.25 NW	14.9 +- 0.0	1
326.26 - 348.75 NNW	15.1 +- 0.0	1

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	15.9 +- 2.7	12
2 - 5	17.8 +- 1.3	6
> 5	19.6 +- 0.0	1
Upwind Control	15.7 +- 0.8	2

NRC TLD DOSES FOR DAVIS-BESSE AREA

Miles

0 2 4

Legend

Water

Highways

Railroads

Roads

Plant..site

DC COOK

TLD Direct Radiation Environmental Monitoring

For the period 951205-960417 135 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	54 1.7	18.1 +- 0.5; 2.7	12.6 +- 0.6; 3.8	13.6 +- 0.8
2	67 1.3	19.0 +- 0.6; 2.9	13.4 +- 0.6; 3.9	16.2 +- 2.2
3	89 1.1	16.6 +- 0.5; 2.5	11.2 +- 0.6; 3.7	12.5 +- 1.0
4	58 0.7	16.9 +- 0.5; 2.5	11.5 +- 0.6; 3.7	12.5 +- 0.8
5	19 2.3	18.0 +- 0.5; 2.7	12.5 +- 0.6; 3.8	13.5 +- 0.7
6	111 1.6	20.0 +- 0.6; 3.0	14.4 +- 0.6; 4.0	13.3 +- 0.8
7	135 1.5	17.3 +- 0.5; 2.6	11.9 +- 0.6; 3.8	12.9 +- 0.9
8	158 1.4	18.2 +- 0.5; 2.7	12.7 +- 0.6; 3.8	15.5 +- 2.5
9	171 1.9	17.0 +- 0.5; 2.6	11.6 +- 0.6; 3.7	12.8 +- 0.8
10	199 1.5	17.2 +- 0.5; 2.6	11.8 +- 0.6; 3.8	13.1 +- 0.6
11	195 3.9	17.1 +- 0.5; 2.6	11.7 +- 0.6; 3.7	13.0 +- 0.8
12	200 6.6	17.1 +- 0.5; 2.6	11.7 +- 0.6; 3.7	13.6 +- 1.1
13	179 3.9	19.6 +- 0.6; 2.9	13.9 +- 0.6; 4.0	16.1 +- 1.2
14	151 4.4	21.2 +- 0.6; 3.2	15.4 +- 0.7; 4.1	17.1 +- 1.2
15	130 4.6	21.4 +- 0.6; 3.2	15.6 +- 0.7; 4.1	17.3 +- 1.0
16	110 3.7	20.2 +- 0.6; 3.0	14.5 +- 0.6; 4.0	14.9 +- 1.0
17	88 3.6	18.4 +- 0.6; 2.8	12.9 +- 0.6; 3.9	14.0 +- 0.9
18	67 3.8	18.2 +- 0.5; 2.7	12.7 +- 0.6; 3.8	14.2 +- 1.6
19	24 3.8	17.1 +- 0.5; 2.6	11.7 +- 0.6; 3.7	12.8 +- 1.2
20	43 3.3	20.3 +- 0.6; 3.0	14.5 +- 0.6; 4.0	15.7 +- 2.5
21	26 9.9	Missing Dosimeter	No Net Data	17.1 +- 3.3
22	121 18.0	18.7 +- 0.6; 2.8	13.1 +- 0.6; 3.9	14.0 +- 0.9
23	121 18.0	19.6 +- 0.6; 2.9	14.0 +- 0.6; 4.0	14.3 +- 1.0
24	121 18.0	19.1 +- 0.6; 2.9	13.5 +- 0.6; 3.9	15.6 +- 2.1

Transit Dose = 4.3 +- 0.4; 3.2

DC COOK

For the period 951205-960417

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	12.1 +- 0.6	2
33.76 - 56.25 NE	13.6 +- 1.4	2
56.26 - 78.75 ENE	12.6 +- 1.0	3
78.76 - 101.25 E	12.1 +- 1.2	2
101.26 - 123.75 ESE	14.4 +- 0.1	2
123.76 - 146.25 SE	13.7 +- 2.6	2
146.26 - 168.75 SSE	14.0 +- 1.9	2
168.76 - 191.25 S	12.8 +- 1.6	2
191.26 - 213.75 SSW	11.7 +- 0.1	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	12.3 +- 1.0	9
2 - 5	13.5 +- 1.4	10
> 5	11.7 +- 0.0	1
Upwind Control	13.5 +- 0.4	3

NRC TLD DOSES FOR D.C. COOK AREA

DIABLO CANYON

TLD Direct Radiation Environmental Monitoring

For the period 951204-960409 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	132 0.9	28.1 +- 0.8; 4.2	22.9 +- 0.9; 5.1	23.2 +- 1.2
2	119 3.9	25.8 +- 0.8; 3.9	20.6 +- 0.8; 4.8	21.1 +- 1.2
3	107 7.2	23.8 +- 0.7; 3.6	18.6 +- 0.8; 4.6	19.4 +- 1.3
4	111 10.3	24.5 +- 0.7; 3.7	19.3 +- 0.8; 4.7	18.5 +- 1.0
5	115 13.9	22.5 +- 0.7; 3.4	17.3 +- 0.8; 4.5	19.7 +- 1.5
6	68 9.4	22.4 +- 0.7; 3.4	17.3 +- 0.8; 4.4	18.0 +- 1.1
7	359 11.1	21.0 +- 0.6; 3.2	15.9 +- 0.7; 4.3	16.2 +- 2.1
8	359 6.6	18.1 +- 0.5; 2.7	13.0 +- 0.6; 4.0	14.4 +- 1.4
9	339 4.8	17.6 +- 0.5; 2.6	12.6 +- 0.6; 4.0	13.4 +- 0.9
10	327 3.6	Damaged Dosimeter	No Net Data	13.7 +- 1.2
11	325 1.2	18.0 +- 0.5; 2.7	13.0 +- 0.6; 4.0	14.3 +- 1.4
12	36 20.7	25.7 +- 0.8; 3.9	20.5 +- 0.8; 4.8	21.2 +- 1.2
13	36 20.7	24.8 +- 0.7; 3.7	19.6 +- 0.8; 4.7	20.9 +- 1.5
14	36 20.7	25.0 +- 0.8; 3.8	19.8 +- 0.8; 4.7	21.5 +- 1.4

Transit Dose = 4.8 +- 0.4; 3.1

DIABLO CANYON
For the period 951204-960409

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 +- 2.0	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	17.3 +- 0.0	1
78.76 - 101.25 E	No Data +- No Data	0
101.26 - 123.75 ESE	19.0 +- 1.4	4
123.76 - 146.25 SE	22.9 +- 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	13.0 +- 0.0	1
326.26 - 348.75 NNW	12.6 +- 0.0	1

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	17.9 +- 7.0	2
2 - 5	16.6 +- 5.7	2
> 5	16.9 +- 2.3	6
Upwind Control	20.0 +- 0.5	3

NRC TLD DOSES FOR DIABLO CANYON AREA

DRESDEN

TLD Direct Radiation Environmental Monitoring

For the period 951205-960410 128 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	70	4.2	19.9 +- 0.6; 3.0	18.0 +- 0.7; 4.0	17.2 +- 1.8
2	76	3.9	17.5 +- 0.5; 2.6	15.6 +- 0.6; 3.8	16.1 +- 2.6
3	108	3.2	Missing Dosimeter	No Net Data	17.2 +- 1.5
4	142	1.3	17.4 +- 0.5; 2.6	15.5 +- 0.6; 3.8	14.5 +- 1.6
5	115	1.5	17.8 +- 0.5; 2.7	15.9 +- 0.6; 3.8	14.3 +- 1.7
6	180	1.9	19.8 +- 0.6; 3.0	17.9 +- 0.6; 4.0	17.3 +- 2.0
7	179	0.5	18.2 +- 0.5; 2.7	16.3 +- 0.6; 3.8	16.5 +- 1.5
8	180	0.7	17.1 +- 0.5; 2.6	15.2 +- 0.6; 3.7	14.4 +- 1.4
9	253	0.5	20.5 +- 0.6; 3.1	18.6 +- 0.7; 4.1	18.0 +- 1.5
10	254	1.3	31.5 +- 0.9; 4.7	29.5 +- 1.0; 5.4	24.3 +- 3.6
11	250	1.5	Missing Dosimeter	No Net Data	15.0 +- 2.3
12	263	2.1	21.3 +- 0.6; 3.2	19.4 +- 0.7; 4.2	17.9 +- 1.4
13	180	4.0	17.7 +- 0.5; 2.7	15.8 +- 0.6; 3.8	13.8 +- 1.4
14	158	4.8	16.8 +- 0.5; 2.5	14.9 +- 0.6; 3.7	15.0 +- 1.5
15	137	4.2	17.9 +- 0.5; 2.7	16.0 +- 0.6; 3.8	14.9 +- 2.1
16	134	8.4	18.1 +- 0.5; 2.7	16.2 +- 0.6; 3.8	14.6 +- 1.1
17	189	7.4	19.1 +- 0.6; 2.9	17.2 +- 0.6; 3.9	15.7 +- 1.6
18	203	4.1	Missing Dosimeter	No Net Data	13.4 +- 2.5
19	231	4.0	20.1 +- 0.6; 3.0	18.2 +- 0.7; 4.1	18.3 +- 2.4
20	244	6.4	19.4 +- 0.6; 2.9	17.4 +- 0.6; 4.0	16.1 +- 1.8
21	258	8.6	19.4 +- 0.6; 2.9	17.5 +- 0.6; 4.0	16.8 +- 1.6
22	269	4.4	16.6 +- 0.5; 2.5	14.7 +- 0.6; 3.7	14.6 +- 1.5
23	295	3.3	19.2 +- 0.6; 2.9	17.3 +- 0.6; 4.0	15.4 +- 1.4
24	311	3.9	20.7 +- 0.6; 3.1	18.8 +- 0.7; 4.1	16.2 +- 1.7
25	340	4.7	22.6 +- 0.7; 3.4	20.7 +- 0.7; 4.3	18.7 +- 2.2
26	7	4.4	19.1 +- 0.6; 2.9	17.2 +- 0.6; 3.9	15.7 +- 1.8
27	355	2.0	22.0 +- 0.7; 3.3	20.0 +- 0.7; 4.3	20.4 +- 1.8
28	327	1.7	23.5 +- 0.7; 3.5	21.5 +- 0.7; 4.4	20.9 +- 1.8
29	318	1.4	19.8 +- 0.6; 3.0	17.9 +- 0.6; 4.0	18.0 +- 2.1
30	295	2.0	16.8 +- 0.5; 2.5	14.9 +- 0.6; 3.7	15.1 +- 2.6
31	30	1.5	22.2 +- 0.7; 3.3	20.3 +- 0.7; 4.3	19.5 +- 2.2
32	48	1.9	22.6 +- 0.7; 3.4	20.7 +- 0.7; 4.3	20.7 +- 2.1
33	76	1.4	21.8 +- 0.7; 3.3	19.8 +- 0.7; 4.2	18.9 +- 2.3
34	90	1.4	20.6 +- 0.6; 3.1	18.7 +- 0.7; 4.1	17.7 +- 2.5
35	26	4.5	19.8 +- 0.6; 3.0	17.9 +- 0.6; 4.0	17.5 +- 2.0
36	42	3.6	18.9 +- 0.6; 2.8	17.0 +- 0.6; 3.9	15.9 +- 2.2
37	52	11.5	17.9 +- 0.5; 2.7	16.0 +- 0.6; 3.8	16.8 +- 2.6
38	274	21.5	20.1 +- 0.6; 3.0	18.2 +- 0.7; 4.1	17.8 +- 2.6
39	274	21.5	20.7 +- 0.6; 3.1	18.8 +- 0.7; 4.1	17.6 +- 2.1
40	275	21.5	21.2 +- 0.6; 3.2	19.2 +- 0.7; 4.2	19.1 +- 2.8

Transit Dose = 1.7 +- 0.3; 2.8

DRESDEN

For the period 951205-960410

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 +- 2.0	2
11.26 - 33.75 NNE	19.1 +- 1.7	2
33.76 - 56.25 NE	17.9 +- 2.5	3
56.26 - 78.75 ENE	17.8 +- 2.1	3
78.76 - 101.25 E	18.7 +- 0.0	1
101.26 - 123.75 ESE	15.9 +- 0.0	1
123.76 - 146.25 SE	15.9 +- 0.4	3
146.26 - 168.75 SSE	14.9 +- 0.0	1
168.76 - 191.25 S	16.4 +- 1.1	5
191.26 - 213.75 SSW	No Data +- No Data	0
213.76 - 236.25 SW	18.2 +- 0.0	1
236.26 - 258.75 WSW	20.8 +- 5.8	4
258.76 - 281.25 W	17.0 +- 3.3	2
281.26 - 303.75 WNW	16.1 +- 1.7	2
303.76 - 326.25 NW	18.3 +- 0.6	2
326.26 - 348.75 NNW	21.1 +- 0.6	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	18.8 +- 3.6	15
2 - 5	17.2 +- 1.7	14
> 5	16.9 +- 0.7	5
Upwind Control	18.7 +- 0.5	3

NRC TLD DOSES FOR DRESDEN AREA

Miles

0 2 4

Legend

Water

--- Railroads

Plant site

— Highways

--- Roads

DUANE ARNOLD

TLD Direct Radiation Environmental Monitoring

For the period 951205-960408 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	163	9.7	18.0 +- 0.5; 2.7	14.7 +- 0.7; 4.1	16.5 +- 1.6
2	170	6.2	20.6 +- 0.6; 3.1	17.5 +- 0.7; 4.4	18.6 +- 1.4
3	180	3.5	Missing Dosimeter	No Net Data	15.4 +- 1.1
4	216	2.9	21.4 +- 0.6; 3.2	18.3 +- 0.8; 4.5	18.9 +- 1.6
5	201	2.5	17.6 +- 0.5; 2.6	14.3 +- 0.7; 4.1	15.4 +- 1.4
6	213	1.0	18.8 +- 0.6; 2.8	15.6 +- 0.7; 4.2	17.2 +- 1.6
7	248	1.0	20.9 +- 0.6; 3.1	17.7 +- 0.8; 4.4	19.0 +- 1.6
8	279	1.0	20.8 +- 0.6; 3.1	17.7 +- 0.7; 4.4	18.7 +- 1.6
9	298	1.0	22.0 +- 0.7; 3.3	18.9 +- 0.8; 4.6	19.8 +- 1.8
10	320	1.5	20.9 +- 0.6; 3.1	17.8 +- 0.8; 4.5	19.0 +- 1.7
11	343	1.0	20.6 +- 0.6; 3.1	17.4 +- 0.7; 4.4	19.6 +- 1.7
12	359	1.2	20.1 +- 0.6; 3.0	16.9 +- 0.7; 4.4	18.2 +- 1.6
13	237	0.5	19.1 +- 0.6; 2.9	15.9 +- 0.7; 4.2	17.6 +- 1.6
14	259	3.9	18.6 +- 0.6; 2.8	15.3 +- 0.7; 4.2	18.1 +- 1.8
15	272	5.0	17.7 +- 0.5; 2.7	14.4 +- 0.7; 4.1	15.1 +- 1.2
16	285	5.0	19.1 +- 0.6; 2.9	15.9 +- 0.7; 4.2	16.8 +- 1.4
17	308	4.5	20.3 +- 0.6; 3.0	17.2 +- 0.7; 4.4	18.8 +- 1.7
18	340	4.5	16.5 +- 0.5; 2.5	13.2 +- 0.6; 4.0	15.7 +- 1.4
19	291	15.0	20.0 +- 0.6; 3.0	16.9 +- 0.7; 4.4	17.3 +- 1.5
20	291	15.0	19.6 +- 0.6; 2.9	16.5 +- 0.7; 4.3	18.0 +- 1.6
21	291	15.0	19.8 +- 0.6; 3.0	16.6 +- 0.7; 4.3	16.9 +- 1.5
22	358	6.1	19.0 +- 0.6; 2.9	15.8 +- 0.7; 4.2	16.1 +- 1.3
23	7	2.9	17.9 +- 0.5; 2.7	14.6 +- 0.7; 4.1	15.5 +- 1.3
24	28	3.0	21.5 +- 0.6; 3.2	18.4 +- 0.8; 4.5	19.0 +- 1.8
25	39	3.5	19.4 +- 0.6; 2.9	16.2 +- 0.7; 4.3	17.6 +- 1.3
26	64	3.8	20.0 +- 0.6; 3.0	16.8 +- 0.7; 4.3	18.0 +- 1.4
27	50	1.9	18.2 +- 0.5; 2.7	14.9 +- 0.7; 4.1	15.9 +- 1.3
28	72	2.3	19.7 +- 0.6; 3.0	16.5 +- 0.7; 4.3	17.6 +- 1.3
29	91	3.0	18.3 +- 0.5; 2.7	15.1 +- 0.7; 4.2	16.0 +- 1.2
30	93	1.8	22.3 +- 0.7; 3.3	19.2 +- 0.8; 4.6	19.3 +- 1.4
31	113	2.0	20.9 +- 0.6; 3.1	17.8 +- 0.8; 4.5	19.4 +- 1.5
32	141	1.6	17.6 +- 0.5; 2.6	14.3 +- 0.7; 4.1	15.6 +- 1.5
33	153	1.5	20.8 +- 0.6; 3.1	17.6 +- 0.7; 4.4	18.1 +- 1.6
34	177	1.2	17.8 +- 0.5; 2.7	14.5 +- 0.7; 4.1	15.5 +- 1.7
35	153	4.2	17.4 +- 0.5; 2.6	14.0 +- 0.7; 4.0	15.3 +- 1.5
36	135	4.1	17.6 +- 0.5; 2.6	14.3 +- 0.7; 4.1	16.6 +- 1.3
37	111	4.6	20.3 +- 0.6; 3.0	17.1 +- 0.7; 4.4	19.0 +- 1.5
38	123	5.1	20.2 +- 0.6; 3.0	17.1 +- 0.7; 4.4	18.9 +- 1.3
39	132	7.0	Missing Dosimeter	No Net Data	16.0 +- 1.3
40	139	7.6	20.8 +- 0.6; 3.1	17.7 +- 0.7; 4.4	17.0 +- 1.3

Transit Dose = 4.1 +- 0.3; 2.8

DUANE ARNOLD
For the period 951205-960408

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	15.8 +- 1.2	3
11.26 - 33.75 NNE	18.4 +- 0.0	1
33.76 - 56.25 NE	15.6 +- 0.9	2
56.26 - 78.75 ENE	16.7 +- 0.2	2
78.76 - 101.25 E	17.1 +- 3.0	2
101.26 - 123.75 ESE	17.3 +- 0.4	3
123.76 - 146.25 SE	15.4 +- 2.0	3
146.26 - 168.75 SSE	15.5 +- 1.9	3
168.76 - 191.25 S	16.0 +- 2.1	2
191.26 - 213.75 SSW	14.9 +- 0.9	2
213.76 - 236.25 SW	18.3 +- 0.0	1
236.26 - 258.75 WSW	16.8 +- 1.3	2
258.76 - 281.25 W	15.8 +- 1.7	3
281.26 - 303.75 WNW	17.4 +- 2.1	2
303.76 - 326.25 NW	17.5 +- 0.4	2
326.26 - 348.75 NNW	15.3 +- 3.0	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	16.9 +- 1.6	14
2 - 5	15.7 +- 1.6	16
> 5	16.5 +- 1.3	5
Upwind Control	16.6 +- 0.2	3

NRC TLD DOSES FOR DUANE ARNOLD AREA

Miles

Legend

Water

Railroads

Plant site

Highways

Roads

FARLEY

TLD Direct Radiation Environmental Monitoring

For the period 951206-960430 147 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	268	15.0	18.0 +- 0.5; 2.7	16.6 +- 0.7; 4.0	13.9 +- 2.5
2	252	7.8	18.7 +- 0.6; 2.8	17.3 +- 0.7; 4.1	14.0 +- 2.4
3	217	6.1	20.7 +- 0.6; 3.1	19.5 +- 0.7; 4.4	15.5 +- 2.1
4	155	5.7	24.3 +- 0.7; 3.7	23.4 +- 0.8; 4.8	18.8 +- 2.1
5	170	5.1	20.7 +- 0.6; 3.1	19.5 +- 0.7; 4.4	15.4 +- 2.0
6	197	4.5	19.1 +- 0.6; 2.9	17.8 +- 0.7; 4.2	14.4 +- 2.1
7	191	2.4	20.3 +- 0.6; 3.0	19.0 +- 0.7; 4.3	17.7 +- 2.6
8	200	1.8	20.4 +- 0.6; 3.1	19.2 +- 0.7; 4.3	15.5 +- 2.1
9	220	1.2	18.7 +- 0.6; 2.8	17.3 +- 0.7; 4.1	13.9 +- 2.2
10	235	0.9	21.6 +- 0.6; 3.2	20.4 +- 0.8; 4.5	16.2 +- 2.1
11	300	0.9	22.1 +- 0.7; 3.3	21.0 +- 0.8; 4.5	16.3 +- 2.1
12	319	1.1	21.4 +- 0.6; 3.2	20.2 +- 0.8; 4.5	16.2 +- 2.3
13	338	1.3	19.4 +- 0.6; 2.9	18.1 +- 0.7; 4.2	14.5 +- 2.0
14	6	1.2	19.4 +- 0.6; 2.9	18.1 +- 0.7; 4.2	14.8 +- 2.3
15	16	1.3	26.0 +- 0.8; 3.9	25.2 +- 0.9; 5.0	20.0 +- 2.3
16	264	1.6	19.3 +- 0.6; 2.9	18.0 +- 0.7; 4.2	14.9 +- 2.1
17	253	3.5	22.0 +- 0.7; 3.3	20.9 +- 0.8; 4.5	17.0 +- 2.1
18	233	3.2	19.5 +- 0.6; 2.9	18.2 +- 0.7; 4.2	15.1 +- 2.1
19	267	4.5	21.9 +- 0.7; 3.3	20.7 +- 0.8; 4.5	16.2 +- 2.2
20	295	3.8	20.8 +- 0.6; 3.1	19.6 +- 0.7; 4.4	15.6 +- 2.2
21	315	4.6	19.0 +- 0.6; 2.8	17.6 +- 0.7; 4.2	14.5 +- 2.3
22	332	4.3	20.1 +- 0.6; 3.0	18.8 +- 0.7; 4.3	14.4 +- 2.0
23	251	4.8	18.2 +- 0.5; 2.7	16.7 +- 0.7; 4.1	14.0 +- 2.2
24	32	5.3	20.9 +- 0.6; 3.1	19.7 +- 0.7; 4.4	16.5 +- 2.1
25	54	6.2	19.8 +- 0.6; 3.0	18.5 +- 0.7; 4.3	14.2 +- 2.2
26	64	5.5	21.5 +- 0.6; 3.2	20.3 +- 0.8; 4.5	16.0 +- 2.1
27	88	4.7	20.2 +- 0.6; 3.0	19.0 +- 0.7; 4.3	15.6 +- 2.0
28	124	5.1	Damaged Dosimeter	No Net Data	16.4 +- 2.1
29	153	4.1	20.7 +- 0.6; 3.1	19.5 +- 0.7; 4.4	15.6 +- 2.0
30	142	3.6	20.2 +- 0.6; 3.0	18.9 +- 0.7; 4.3	14.3 +- 2.0
31	130	3.0	18.9 +- 0.6; 2.8	17.5 +- 0.7; 4.1	13.3 +- 2.3
32	110	2.8	19.0 +- 0.6; 2.9	17.7 +- 0.7; 4.2	14.3 +- 2.3
33	78	2.6	19.6 +- 0.6; 2.9	18.3 +- 0.7; 4.2	14.1 +- 2.3
34	58	2.2	Missing Dosimeter	No Net Data	13.1 +- 2.1
35	34	2.4	23.2 +- 0.7; 3.5	22.1 +- 0.8; 4.7	19.3 +- 2.2
36	19	2.7	21.6 +- 0.6; 3.2	20.4 +- 0.8; 4.5	16.7 +- 2.1
37	284	10.0	20.1 +- 0.6; 3.0	18.9 +- 0.7; 4.3	15.5 +- 2.1
38	289	15.0	17.8 +- 0.5; 2.7	16.4 +- 0.6; 4.0	15.0 +- 3.1
39	293	15.0	20.0 +- 0.6; 3.0	18.7 +- 0.7; 4.3	16.6 +- 2.0

Transit Dose = 2.5 +- 0.3; 2.6

FARLEY

For the period 951206-960430

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 +- 0.0	1
11.26 - 33.75 NNE	21.8 +- 3.0	3
33.76 - 56.25 NE	20.3 +- 2.6	2
56.26 - 78.75 ENE	19.3 +- 1.5	2
78.76 - 101.25 E	19.0 +- 0.0	1
101.26 - 123.75 ESE	17.7 +- 0.0	1
123.76 - 146.25 SE	18.2 +- 1.0	2
146.26 - 168.75 SSE	21.4 +- 2.8	2
168.76 - 191.25 S	19.2 +- 0.3	2
191.26 - 213.75 SSW	18.5 +- 1.0	2
213.76 - 236.25 SW	18.9 +- 1.4	4
236.26 - 258.75 WSW	18.3 +- 2.2	3
258.76 - 281.25 W	18.4 +- 2.1	3
281.26 - 303.75 WNW	20.3 +- 1.0	2
303.76 - 326.25 NW	18.9 +- 1.8	2
326.26 - 348.75 NNW	18.4 +- 0.5	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	19.7 +- 2.4	9
2 - 5	19.0 +- 1.4	17
> 5	19.3 +- 2.1	8
Upwind Control	18.0 +- 1.4	3

NRC TLD DOSES FOR FARLEY AREA

Miles

Legend

— Highways

++++ Railroads

----- Roads

★ Plant..site

FERMI

TLD Direct Radiation Environmental Monitoring

For the period 951205-960417 135 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	38	2.1	18.6 +- 0.6; 2.8	12.9 +- 0.6; 3.9	12.1 +- 2.1
2	22	2.3	20.0 +- 0.6; 3.0	14.1 +- 0.6; 4.0	14.1 +- 1.2
3	350	1.8	24.9 +- 0.7; 3.7	18.6 +- 0.8; 4.5	19.8 +- 1.7
4	345	1.9	20.5 +- 0.6; 3.1	14.6 +- 0.7; 4.1	15.6 +- 1.5
5	346	1.4	21.4 +- 0.6; 3.2	15.4 +- 0.7; 4.1	16.3 +- 1.4
6	310	1.3	22.4 +- 0.7; 3.4	16.3 +- 0.7; 4.2	16.5 +- 1.8
7	298	1.4	22.3 +- 0.7; 3.3	16.2 +- 0.7; 4.2	16.4 +- 1.6
8	277	1.6	22.7 +- 0.7; 3.4	16.6 +- 0.7; 4.3	16.5 +- 0.9
9	238	1.0	18.9 +- 0.6; 2.8	13.1 +- 0.6; 3.9	14.4 +- 1.8
10	225	1.5	20.1 +- 0.6; 3.0	14.3 +- 0.6; 4.0	13.7 +- 1.0
11	193	0.8	20.8 +- 0.6; 3.1	14.9 +- 0.7; 4.1	16.1 +- 0.8
12	183	0.9	22.5 +- 0.7; 3.4	16.4 +- 0.7; 4.2	16.2 +- 1.1
13	175	0.8	21.9 +- 0.7; 3.3	15.9 +- 0.7; 4.2	15.8 +- 0.8
14	260	1.7	24.3 +- 0.7; 3.6	18.1 +- 0.7; 4.4	18.2 +- 1.3
15	245	2.5	21.3 +- 0.6; 3.2	15.3 +- 0.7; 4.1	14.8 +- 1.0
16	236	5.0	23.8 +- 0.7; 3.6	17.6 +- 0.7; 4.4	18.5 +- 1.0
17	225	6.8	19.5 +- 0.6; 2.9	13.7 +- 0.6; 4.0	12.9 +- 1.2
18	250	7.8	18.8 +- 0.6; 2.8	13.1 +- 0.6; 3.9	12.8 +- 1.1
19	277	6.0	18.0 +- 0.5; 2.7	12.3 +- 0.6; 3.8	13.4 +- 1.0
20	297	6.0	20.6 +- 0.6; 3.1	14.7 +- 0.7; 4.1	15.2 +- 1.3
21	320	3.8	19.9 +- 0.6; 3.0	14.1 +- 0.6; 4.0	15.8 +- 1.0
22	340	4.7	22.5 +- 0.7; 3.4	16.5 +- 0.7; 4.3	17.0 +- 1.0
23	358	4.3	24.9 +- 0.7; 3.7	18.6 +- 0.8; 4.5	17.5 +- 1.6
24	23	5.0	24.2 +- 0.7; 3.6	17.9 +- 0.7; 4.4	18.6 +- 1.1
25	25	7.0	20.3 +- 0.6; 3.0	14.4 +- 0.7; 4.0	13.2 +- 1.0
26	0	7.0	20.4 +- 0.6; 3.1	14.5 +- 0.7; 4.0	13.9 +- 1.2
27	342	8.0	21.3 +- 0.6; 3.2	15.4 +- 0.7; 4.1	15.7 +- 1.1
28	320	9.5	19.4 +- 0.6; 2.9	13.6 +- 0.6; 4.0	14.4 +- 0.8
29	290	11.0	20.6 +- 0.6; 3.1	14.7 +- 0.7; 4.1	16.7 +- 1.4
30	270	11.0	21.7 +- 0.7; 3.3	15.7 +- 0.7; 4.2	17.9 +- 1.6
31	245	10.0	Missing Dosimeter	No Net Data	14.8 +- 1.2
32	220	11.0	21.7 +- 0.7; 3.3	15.7 +- 0.7; 4.2	15.5 +- 1.1
33	270	15.0	19.5 +- 0.6; 2.9	13.7 +- 0.6; 4.0	14.1 +- 1.2
34	270	15.0	20.2 +- 0.6; 3.0	14.3 +- 0.6; 4.0	14.4 +- 1.0
35	290	16.0	22.0 +- 0.7; 3.3	15.9 +- 0.7; 4.2	15.4 +- 0.9
36	350	0.8	18.2 +- 0.5; 2.7	12.5 +- 0.6; 3.8	14.0 +- 2.3
37	330	0.7	21.0 +- 0.6; 3.2	15.1 +- 0.7; 4.1	15.0 +- 0.9
38	310	0.7	21.0 +- 0.6; 3.2	15.1 +- 0.7; 4.1	15.1 +- 2.0
39	23	10.0	19.5 +- 0.6; 2.9	13.7 +- 0.6; 4.0	16.6 +- 2.0
40	0	9.0	21.3 +- 0.6; 3.2	15.4 +- 0.7; 4.1	17.7 +- 1.4
41	348	9.0	20.8 +- 0.6; 3.1	14.9 +- 0.7; 4.1	13.6 +- 0.8

Transit Dose = 4.4 +- 0.4; 3.2

FERMI

For the period 951205-960417

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	15.9 +- 2.6	5
11.26 - 33.75 NNE	15.1 +- 1.9	4
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	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	16.1 +- 0.3	2
191.26 - 213.75 SSW	14.9 +- 0.0	1
213.76 - 236.25 SW	15.3 +- 1.7	4
236.26 - 258.75 WSW	13.8 +- 1.3	3
258.76 - 281.25 W	15.7 +- 2.4	4
281.26 - 303.75 WNW	15.2 +- 0.9	3
303.76 - 326.25 NW	14.7 +- 1.2	4
326.26 - 348.75 NNW	15.3 +- 0.6	6

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	15.5 +- 1.6	15
2 - 5	15.9 +- 2.1	8
> 5	14.4 +- 1.0	14
Upwind Control	14.7 +- 1.2	3

NRC TLD DOSES FOR FERMI AREA

FITZPATRICK/ NINE MI

TLD Direct Radiation Environmental Monitoring

For the period 951207-960410 126 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	230 6.9	16.8 +- 0.5; 2.5	13.0 +- 0.6; 4.0	14.5 +- 1.1
2	184 14.0	17.9 +- 0.5; 2.7	14.2 +- 0.7; 4.1	15.6 +- 1.1
3	122 8.4	16.2 +- 0.5; 2.4	12.4 +- 0.6; 3.9	14.0 +- 1.3
4	76 11.0	16.6 +- 0.5; 2.5	12.9 +- 0.6; 4.0	14.9 +- 1.2
5	91 6.8	16.8 +- 0.5; 2.5	13.1 +- 0.6; 4.0	15.1 +- 1.0
6	112 4.3	17.2 +- 0.5; 2.6	13.4 +- 0.6; 4.0	14.9 +- 1.0
7	138 4.3	16.9 +- 0.5; 2.5	13.2 +- 0.6; 4.0	14.8 +- 1.0
8	152 3.6	16.5 +- 0.5; 2.5	12.7 +- 0.6; 4.0	14.7 +- 1.4
9	183 3.9	16.2 +- 0.5; 2.4	12.4 +- 0.6; 3.9	15.1 +- 0.9
10	205 4.5	16.7 +- 0.5; 2.5	12.9 +- 0.6; 4.0	13.9 +- 1.2
11	220 4.4	18.2 +- 0.5; 2.7	14.5 +- 0.7; 4.1	15.2 +- 1.1
12	230 6.1	16.1 +- 0.5; 2.4	12.3 +- 0.6; 3.9	15.3 +- 0.9
13	245 1.8	17.4 +- 0.5; 2.6	13.7 +- 0.7; 4.0	15.0 +- 1.1
14	223 1.8	16.6 +- 0.5; 2.5	12.9 +- 0.6; 4.0	14.5 +- 1.2
15	204 2.0	16.9 +- 0.5; 2.5	13.1 +- 0.6; 4.0	14.2 +- 1.1
16	181 1.8	16.4 +- 0.5; 2.5	12.6 +- 0.6; 3.9	14.6 +- 0.9
17	157 1.9	16.5 +- 0.5; 2.5	12.8 +- 0.6; 4.0	14.7 +- 1.2
18	137 1.6	16.4 +- 0.5; 2.5	12.6 +- 0.6; 3.9	14.5 +- 1.0
19	115 1.2	16.5 +- 0.5; 2.5	12.7 +- 0.6; 3.9	14.5 +- 1.3
20	92 1.1	16.4 +- 0.5; 2.5	12.6 +- 0.6; 3.9	15.2 +- 1.3
21	229 20.0	17.4 +- 0.5; 2.6	13.7 +- 0.7; 4.0	14.7 +- 1.2
22	229 20.0	16.7 +- 0.5; 2.5	13.0 +- 0.6; 4.0	14.3 +- 0.9
23	229 20.0	16.9 +- 0.5; 2.5	13.1 +- 0.6; 4.0	14.6 +- 0.9
24	196 8.0	Missing Dosimeter	No Net Data	14.3 +- 1.6
25	168 7.2	16.8 +- 0.5; 2.5	13.1 +- 0.6; 4.0	14.2 +- 1.1
26	152 0.6	17.6 +- 0.5; 2.6	13.9 +- 0.7; 4.1	15.7 +- 1.0

Transit Dose = 4.3 +- 0.3; 2.9

FITZPATRICK/ NINE MI
For the period 951207-960410

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	12.9 +- 0.0	1
78.76 - 101.25 E	12.8 +- 0.3	2
101.26 - 123.75 ESE	12.8 +- 0.5	3
123.76 - 146.25 SE	12.9 +- 0.4	2
146.26 - 168.75 SSE	13.1 +- 0.5	4
168.76 - 191.25 S	13.1 +- 1.0	3
191.26 - 213.75 SSW	13.0 +- 0.1	2
213.76 - 236.25 SW	13.2 +- 0.9	4
236.26 - 258.75 WSW	13.7 +- 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	13.0 +- 0.5	9
2 - 5	13.2 +- 0.7	6
> 5	13.0 +- 0.6	7
Upwind Control	13.3 +- 0.4	3

NRC TLD DOSES FOR FITZPATRICK & NINE MILE PT AREA

FORT CALHOUN

TLD Direct Radiation Environmental Monitoring

For the period 951204-960424 143 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	358 2.0	26.5 +- 0.8; 4.0	19.3 +- 1.0; 5.3	18.6 +- 1.4
2	351 4.6	26.5 +- 0.8; 4.0	19.4 +- 1.0; 5.4	19.3 +- 1.4
3	30 2.5	26.7 +- 0.8; 4.0	19.5 +- 1.0; 5.4	19.1 +- 1.7
4	27 4.6	27.6 +- 0.8; 4.1	20.5 +- 1.0; 5.5	19.9 +- 1.6
5	53 1.9	27.1 +- 0.8; 4.1	20.0 +- 1.0; 5.4	18.8 +- 1.7
6	37 3.9	26.8 +- 0.8; 4.0	19.6 +- 1.0; 5.4	19.7 +- 1.6
7	76 2.3	28.5 +- 0.9; 4.3	21.4 +- 1.0; 5.6	20.2 +- 1.7
8	59 5.2	26.1 +- 0.8; 3.9	18.9 +- 0.9; 5.3	18.9 +- 1.7
9	100 2.3	25.1 +- 0.8; 3.8	17.9 +- 0.9; 5.2	17.5 +- 1.7
10	88 5.6	26.9 +- 0.8; 4.0	19.8 +- 1.0; 5.4	19.8 +- 1.6
11	122 2.3	27.5 +- 0.8; 4.1	20.5 +- 1.0; 5.5	19.7 +- 1.7
12	105 5.7	28.0 +- 0.8; 4.2	21.0 +- 1.0; 5.5	19.0 +- 1.6
13	145 1.9	26.8 +- 0.8; 4.0	19.7 +- 1.0; 5.4	20.0 +- 1.6
14	128 5.5	28.1 +- 0.8; 4.2	21.1 +- 1.0; 5.5	19.6 +- 1.5
15	157 1.9	29.2 +- 0.9; 4.4	22.2 +- 1.0; 5.7	20.6 +- 1.4
16	150 4.9	27.6 +- 0.8; 4.1	20.5 +- 1.0; 5.5	20.0 +- 1.4
17	173 0.5	26.1 +- 0.8; 3.9	19.0 +- 0.9; 5.3	19.4 +- 1.8
18	173 5.3	27.7 +- 0.8; 4.2	20.6 +- 1.0; 5.5	20.6 +- 1.5
19	212 2.5	31.5 +- 0.9; 4.7	24.6 +- 1.1; 6.0	22.6 +- 1.6
20	204 5.3	27.8 +- 0.8; 4.2	20.7 +- 1.0; 5.5	21.0 +- 1.5
21	233 2.0	28.0 +- 0.8; 4.2	21.0 +- 1.0; 5.5	21.1 +- 1.8
22	224 4.6	29.3 +- 0.9; 4.4	22.3 +- 1.0; 5.7	21.4 +- 1.5
23	239 0.6	28.7 +- 0.9; 4.3	21.6 +- 1.0; 5.6	20.0 +- 1.7
24	243 6.9	25.6 +- 0.8; 3.8	18.4 +- 0.9; 5.2	18.1 +- 1.5
25	269 3.3	29.9 +- 0.9; 4.5	22.9 +- 1.1; 5.8	21.6 +- 1.7
26	262 5.9	28.8 +- 0.9; 4.3	21.8 +- 1.0; 5.6	22.0 +- 1.4
27	350 3.0	25.2 +- 0.8; 3.8	18.0 +- 0.9; 5.2	17.9 +- 1.8
28	292 5.0	26.7 +- 0.8; 4.0	19.6 +- 1.0; 5.4	20.1 +- 1.5
29	311 2.4	27.9 +- 0.8; 4.2	20.9 +- 1.0; 5.5	20.3 +- 1.6
30	310 5.5	27.8 +- 0.8; 4.2	20.7 +- 1.0; 5.5	20.7 +- 1.4
31	340 2.3	26.2 +- 0.8; 3.9	19.1 +- 1.0; 5.3	19.1 +- 1.4
32	338 5.3	27.8 +- 0.8; 4.2	20.7 +- 1.0; 5.5	20.1 +- 1.7
33	182 0.5	27.5 +- 0.8; 4.1	20.4 +- 1.0; 5.5	20.2 +- 2.0
35	127 2.2	26.3 +- 0.8; 4.0	19.2 +- 1.0; 5.3	18.6 +- 1.4
39	150 5.0	27.3 +- 0.8; 4.1	20.2 +- 1.0; 5.5	18.6 +- 1.6
40	73 9.5	28.7 +- 0.9; 4.3	21.6 +- 1.0; 5.6	20.0 +- 1.6
43	29 8.0	Missing Dosimeter	No Net Data	18.4 +- 1.4
44	65 3.5	25.6 +- 0.8; 3.8	18.4 +- 0.9; 5.2	17.7 +- 1.5
45	182 4.2	27.8 +- 0.8; 4.2	20.7 +- 1.0; 5.5	20.4 +- 1.4
47	298 4.5	26.5 +- 0.8; 4.0	19.4 +- 1.0; 5.4	19.2 +- 1.3
48	13 14.0	26.3 +- 0.8; 3.9	19.2 +- 1.0; 5.3	19.6 +- 1.3
49	207 18.0	27.5 +- 0.8; 4.1	20.4 +- 1.0; 5.5	20.6 +- 1.8

Transit Dose = 8.0 +- 0.5; 3.2

FORT CALHOUN
For the period 951204-960424

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	18.9 +- 0.8	3
11.26 - 33.75 NNE	20.0 +- 0.7	2
33.76 - 56.25 NE	19.8 +- 0.3	2
56.26 - 78.75 ENE	20.1 +- 1.7	4
78.76 - 101.25 E	18.9 +- 1.3	2
101.26 - 123.75 ESE	20.7 +- 0.4	2
123.76 - 146.25 SE	20.0 +- 1.0	3
146.26 - 168.75 SSE	21.0 +- 1.0	3
168.76 - 191.25 S	20.2 +- 0.8	4
191.26 - 213.75 SSW	22.6 +- 2.7	2
213.76 - 236.25 SW	21.6 +- 0.9	2
236.26 - 258.75 WSW	20.0 +- 2.3	2
258.76 - 281.25 W	22.3 +- 0.8	2
281.26 - 303.75 WNW	19.5 +- 0.2	2
303.76 - 326.25 NW	20.8 +- 0.1	2
326.26 - 348.75 NNW	19.9 +- 1.1	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	20.4 +- 1.1	8
2 - 5	20.2 +- 1.6	20
> 5	20.5 +- 1.1	11
Upwind Control	19.8 +- 0.9	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 951204-960408 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	
1	8	0.8	38.7 +- 1.2; 5.8	31.3 +- 1.2; 6.6	30.1 +- 2.0
2	2	3.3	40.4 +- 1.2; 6.1	33.1 +- 1.3; 6.8	29.5 +- 2.1
3	29	2.6	39.4 +- 1.2; 5.9	32.0 +- 1.2; 6.7	29.7 +- 1.9
4	17	5.4	39.0 +- 1.2; 5.9	31.7 +- 1.2; 6.6	29.6 +- 1.5
5	54	2.1	40.0 +- 1.2; 6.0	32.7 +- 1.3; 6.8	29.1 +- 2.0
6	48	4.8	41.2 +- 1.2; 6.2	33.9 +- 1.3; 6.9	30.7 +- 1.7
7	76	2.6	41.2 +- 1.2; 6.2	33.9 +- 1.3; 6.9	31.6 +- 2.0
8	58	4.2	41.4 +- 1.2; 6.2	34.1 +- 1.3; 6.9	30.3 +- 1.8
9	100	1.5	40.2 +- 1.2; 6.0	32.8 +- 1.3; 6.8	30.6 +- 1.7
10	87	4.5	37.9 +- 1.1; 5.7	30.6 +- 1.2; 6.5	29.2 +- 1.9
11	118	1.6	Damaged Dosimeter	No Net Data	32.9 +- 1.8
12	104	3.0	39.7 +- 1.2; 6.0	32.4 +- 1.3; 6.7	32.3 +- 1.9
13	143	1.6	40.0 +- 1.2; 6.0	32.7 +- 1.3; 6.8	31.3 +- 2.0
14	128	4.5	40.1 +- 1.2; 6.0	32.7 +- 1.3; 6.8	30.5 +- 1.8
15	168	2.3	38.8 +- 1.2; 5.8	31.5 +- 1.2; 6.6	28.5 +- 1.9
16	148	4.6	38.7 +- 1.2; 5.8	31.4 +- 1.2; 6.6	28.5 +- 1.8
17	182	0.8	42.0 +- 1.3; 6.3	34.6 +- 1.3; 7.0	30.2 +- 2.0
18	175	4.8	40.1 +- 1.2; 6.0	32.7 +- 1.3; 6.8	30.5 +- 2.0
19	210	0.9	40.6 +- 1.2; 6.1	33.2 +- 1.3; 6.8	31.0 +- 1.6
20	200	2.9	41.8 +- 1.3; 6.3	34.4 +- 1.3; 7.0	30.5 +- 2.2
21	234	1.3	40.8 +- 1.2; 6.1	33.4 +- 1.3; 6.8	31.3 +- 1.9
22	216	3.3	38.1 +- 1.1; 5.7	30.7 +- 1.2; 6.5	29.1 +- 1.8
23	254	2.5	39.7 +- 1.2; 5.9	32.3 +- 1.3; 6.7	29.2 +- 2.0
24	244	3.8	38.9 +- 1.2; 5.8	31.5 +- 1.2; 6.6	29.4 +- 2.1
25	278	1.5	38.4 +- 1.2; 5.8	31.0 +- 1.2; 6.5	28.5 +- 1.9
26	263	5.4	39.6 +- 1.2; 5.9	32.3 +- 1.3; 6.7	30.0 +- 2.3
27	297	1.7	39.4 +- 1.2; 5.9	32.1 +- 1.2; 6.7	28.4 +- 1.8
28	284	5.6	38.7 +- 1.2; 5.8	31.4 +- 1.2; 6.6	29.4 +- 1.6
29	317	0.9	38.7 +- 1.2; 5.8	31.3 +- 1.2; 6.6	28.7 +- 1.9
30	305	4.2	35.5 +- 1.1; 5.3	28.2 +- 1.1; 6.2	26.8 +- 1.9
31	338	1.4	39.9 +- 1.2; 6.0	32.5 +- 1.3; 6.7	28.8 +- 1.9
32	330	5.0	Damaged Dosimeter	No Net Data	26.4 +- 2.0
33	267	6.5	36.8 +- 1.1; 5.5	29.5 +- 1.2; 6.3	28.3 +- 2.6
34	130	3.7	39.6 +- 1.2; 5.9	32.3 +- 1.3; 6.7	28.6 +- 1.8
35	270	0.1	39.3 +- 1.2; 5.9	31.9 +- 1.2; 6.7	28.3 +- 1.7
38	345	6.7	39.9 +- 1.2; 6.0	32.6 +- 1.3; 6.7	30.7 +- 1.8
39	10	6.0	38.4 +- 1.2; 5.8	31.1 +- 1.2; 6.5	28.1 +- 2.1
40	63	6.0	37.4 +- 1.1; 5.6	30.1 +- 1.2; 6.4	28.2 +- 2.1
41	165	12.0	40.8 +- 1.2; 6.1	33.5 +- 1.3; 6.9	31.8 +- 1.7
42	248	13.0	44.0 +- 1.3; 6.6	36.7 +- 1.4; 7.3	32.9 +- 2.4
45	198	11.0	40.2 +- 1.2; 6.0	32.9 +- 1.3; 6.8	30.2 +- 1.9
46	39	16.0	37.9 +- 1.1; 5.7	30.6 +- 1.2; 6.5	27.4 +- 1.7
47	357	17.0	37.0 +- 1.1; 5.5	29.7 +- 1.2; 6.4	26.6 +- 1.7
48	171	18.0	39.5 +- 1.2; 5.9	32.2 +- 1.2; 6.7	30.7 +- 2.1
49	360	0.5	40.3 +- 1.2; 6.0	33.0 +- 1.3; 6.8	32.0 +- 1.8

Transit Dose = 7.0 +- 0.4; 3.2

FORT ST. VRAIN

For the period 951204-960408

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	31.8 +- 1.1	3
11.26 - 33.75 NNE	31.9 +- 0.3	2
33.76 - 56.25 NE	32.4 +- 1.7	3
56.26 - 78.75 ENE	32.7 +- 2.3	3
78.76 - 101.25 E	31.7 +- 1.6	2
101.26 - 123.75 ESE	32.4 +- 0.0	1
123.76 - 146.25 SE	32.6 +- 0.3	3
146.26 - 168.75 SSE	32.1 +- 1.2	3
168.76 - 191.25 S	33.7 +- 1.3	2
191.26 - 213.75 SSW	33.5 +- 0.8	3
213.76 - 236.25 SW	32.1 +- 1.9	2
236.26 - 258.75 WSW	33.5 +- 2.8	3
258.76 - 281.25 W	31.2 +- 1.2	4
281.26 - 303.75 WNW	31.7 +- 0.5	2
303.76 - 326.25 NW	29.8 +- 2.2	2
326.26 - 348.75 NNW	32.5 +- 0.0	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	32.5 +- 1.1	11
2 - 5	32.2 +- 1.5	18
> 5	32.0 +- 2.0	11
Upwind Control	31.6 +- 1.7	3

NRC TLD DOSES FOR FORT ST. VRAIN AREA

GINNA

TLD Direct Radiation Environmental Monitoring

For the period 951207-960410 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	95	1.7	18.4	+- 0.6; 2.8	14.5	+- 0.7; 4.2	14.7	+- 0.9
2	108	1.1	16.7	+- 0.5; 2.5	12.7	+- 0.6; 4.0	14.3	+- 1.0
3	142	1.7	16.3	+- 0.5; 2.5	12.4	+- 0.6; 4.0	14.2	+- 0.9
4	154	1.5	Damaged Dosimeter		No Net Data		14.8	+- 1.1
5	174	1.4	18.2	+- 0.5; 2.7	14.4	+- 0.7; 4.2	15.1	+- 1.3
6	212	1.6	16.0	+- 0.5; 2.4	12.0	+- 0.6; 3.9	13.9	+- 1.1
7	244	0.9	16.5	+- 0.5; 2.5	12.5	+- 0.6; 4.0	13.9	+- 0.9
8	230	0.6	15.9	+- 0.5; 2.4	11.9	+- 0.6; 3.9	14.9	+- 1.6
10	266	1.5	Damaged Dosimeter		No Net Data		14.4	+- 1.2
11	264	4.6	16.7	+- 0.5; 2.5	12.7	+- 0.6; 4.0	15.9	+- 0.9
12	245	3.8	17.6	+- 0.5; 2.6	13.7	+- 0.7; 4.1	14.3	+- 1.2
13	235	4.2	16.7	+- 0.5; 2.5	12.8	+- 0.6; 4.0	13.6	+- 1.2
14	200	3.8	Damaged Dosimeter		No Net Data		13.3	+- 1.3
15	178	3.4	14.6	+- 0.4; 2.2	10.5	+- 0.6; 3.8	14.9	+- 1.2
16	160	3.7	13.2	+- 0.4; 2.0	9.0	+- 0.6; 3.7	13.5	+- 1.2
17	134	3.8	13.6	+- 0.4; 2.0	9.5	+- 0.6; 3.7	13.5	+- 1.4
18	115	4.3	14.9	+- 0.4; 2.2	10.8	+- 0.6; 3.8	14.5	+- 1.4
19	88	4.0	15.2	+- 0.5; 2.3	11.2	+- 0.6; 3.9	13.3	+- 1.4
20	90	6.2	14.5	+- 0.4; 2.2	10.4	+- 0.6; 3.8	13.2	+- 1.0
21	123	7.6	15.3	+- 0.5; 2.3	11.3	+- 0.6; 3.9	13.0	+- 1.3
22	151	11.0	15.2	+- 0.5; 2.3	11.2	+- 0.6; 3.9	13.5	+- 1.0
23	105	12.0	16.3	+- 0.5; 2.5	12.4	+- 0.6; 4.0	14.1	+- 1.1
24	212	14.0	21.1	+- 0.6; 3.2	17.4	+- 0.8; 4.5	18.1	+- 1.0
25	223	13.0	19.0	+- 0.6; 2.9	15.2	+- 0.7; 4.3	13.8	+- 1.4
26	242	16.0	19.4	+- 0.6; 2.9	15.7	+- 0.7; 4.3	15.7	+- 1.0
27	254	14.0	17.8	+- 0.5; 2.7	13.9	+- 0.7; 4.1	15.4	+- 1.3
28	234	6.9	17.1	+- 0.5; 2.6	13.1	+- 0.7; 4.1	14.1	+- 0.9
29	185	0.3	17.3	+- 0.5; 2.6	13.3	+- 0.7; 4.1	15.6	+- 1.0
30	264	15.0	16.4	+- 0.5; 2.5	12.5	+- 0.6; 4.0	13.5	+- 1.3

Transit Dose = 4.7 +- 0.4; 2.9

GINNA

For the period 951207-960410

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	12.0 +- 2.2	3
101.26 - 123.75 ESE	11.8 +- 0.9	4
123.76 - 146.25 SE	10.9 +- 2.0	2
146.26 - 168.75 SSE	10.1 +- 1.5	2
168.76 - 191.25 S	12.7 +- 2.0	3
191.26 - 213.75 SSW	14.7 +- 3.9	2
213.76 - 236.25 SW	13.3 +- 1.4	4
236.26 - 258.75 WSW	13.1 +- 0.8	2
258.76 - 281.25 W	12.7 +- 0.0	1
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 +- 1.0	8
2 - 5	11.3 +- 1.7	8
> 5	13.0 +- 2.5	7
Upwind Control	14.0 +- 1.6	3

NRC TLD DOSES FOR GINNA AREA

Miles

Legend

Water

Railroads

Plant..site

Highways

Roads

GRAND GULF

TLD Direct Radiation Environmental Monitoring

For the period 951206-960408 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	337 2.0	15.9 +- 0.5; 2.4	13.6 +- 0.6; 3.8	16.0 +- 1.9
2	351 1.6	17.5 +- 0.5; 2.6	15.3 +- 0.6; 4.0	15.3 +- 1.0
3	20 1.5	19.8 +- 0.6; 3.0	17.7 +- 0.7; 4.3	17.6 +- 1.4
4	51 2.3	19.5 +- 0.6; 2.9	17.4 +- 0.7; 4.2	17.0 +- 1.2
5	68 2.7	19.7 +- 0.6; 3.0	17.6 +- 0.7; 4.2	17.8 +- 1.5
6	47 4.1	18.3 +- 0.5; 2.7	16.1 +- 0.7; 4.1	16.0 +- 1.3
7	68 4.9	20.9 +- 0.6; 3.1	18.8 +- 0.7; 4.4	19.1 +- 1.2
8	91 3.2	20.3 +- 0.6; 3.0	18.2 +- 0.7; 4.3	19.1 +- 1.2
9	81 1.0	19.8 +- 0.6; 3.0	17.7 +- 0.7; 4.3	17.7 +- 1.0
10	109 0.6	21.2 +- 0.6; 3.2	19.2 +- 0.7; 4.4	19.1 +- 1.1
11	139 0.8	23.8 +- 0.7; 3.6	22.0 +- 0.8; 4.8	19.3 +- 1.0
12	185 1.6	20.7 +- 0.6; 3.1	18.6 +- 0.7; 4.4	18.2 +- 0.9
13	207 1.9	21.7 +- 0.7; 3.3	19.7 +- 0.8; 4.5	19.2 +- 0.8
14	247 1.5	17.4 +- 0.5; 2.6	15.2 +- 0.6; 4.0	17.4 +- 2.4
15	130 4.2	20.2 +- 0.6; 3.0	18.1 +- 0.7; 4.3	18.5 +- 1.0
16	122 4.8	20.4 +- 0.6; 3.1	18.3 +- 0.7; 4.3	18.4 +- 1.2
17	135 5.3	19.1 +- 0.6; 2.9	17.0 +- 0.7; 4.2	17.3 +- 0.9
18	147 4.3	17.2 +- 0.5; 2.6	14.9 +- 0.6; 4.0	15.5 +- 0.9
19	224 6.8	20.4 +- 0.6; 3.1	18.4 +- 0.7; 4.3	18.7 +- 1.0
20	172 3.6	18.6 +- 0.6; 2.8	16.4 +- 0.7; 4.1	16.7 +- 0.9
21	291 12.0	19.4 +- 0.6; 2.9	17.3 +- 0.7; 4.2	17.0 +- 0.9
22	332 8.0	Damaged Dosimeter	No Net Data	19.3 +- 1.1
23	310 7.9	15.5 +- 0.5; 2.3	13.1 +- 0.6; 3.8	15.5 +- 2.7
24	281 7.0	19.1 +- 0.6; 2.9	17.0 +- 0.7; 4.2	16.7 +- 1.0
25	291 4.8	20.6 +- 0.6; 3.1	18.6 +- 0.7; 4.4	18.2 +- 1.0
26	248 9.5	18.2 +- 0.5; 2.7	16.0 +- 0.7; 4.1	16.9 +- 1.0
27	239 13.0	19.2 +- 0.6; 2.9	17.0 +- 0.7; 4.2	16.3 +- 1.1
29	90 0.9	19.3 +- 0.6; 2.9	17.2 +- 0.7; 4.2	17.9 +- 0.9
30	67 51.0	15.4 +- 0.5; 2.3	13.1 +- 0.6; 3.8	14.0 +- 1.5
31	67 51.0	16.7 +- 0.5; 2.5	14.4 +- 0.6; 3.9	14.7 +- 1.4
32	67 51.0	15.7 +- 0.5; 2.4	13.3 +- 0.6; 3.8	14.0 +- 1.4
33	206 4.8	20.9 +- 0.6; 3.1	18.9 +- 0.7; 4.4	18.4 +- 1.0

Transit Dose = 3.1 +- 0.3; 2.7

GRAND GULF

For the period 951206-960408

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	15.3 +- 0.0	1
11.26 - 33.75 NNE	17.7 +- 0.0	1
33.76 - 56.25 NE	16.7 +- 0.9	2
56.26 - 78.75 ENE	18.2 +- 0.9	2
78.76 - 101.25 E	17.7 +- 0.5	3
101.26 - 123.75 ESE	18.8 +- 0.6	2
123.76 - 146.25 SE	19.0 +- 2.6	3
146.26 - 168.75 SSE	14.9 +- 0.0	1
168.76 - 191.25 S	17.5 +- 1.5	2
191.26 - 213.75 SSW	19.3 +- 0.6	2
213.76 - 236.25 SW	18.4 +- 0.0	1
236.26 - 258.75 WSW	16.1 +- 0.9	3
258.76 - 281.25 W	17.0 +- 0.0	1
281.26 - 303.75 WNW	17.9 +- 0.9	2
303.76 - 326.25 NW	13.1 +- 0.0	1
326.26 - 348.75 NNW	13.6 +- 0.0	1

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	17.6 +- 2.5	10
2 - 5	17.6 +- 1.3	11
> 5	16.5 +- 1.7	7
Upwind Control	13.6 +- 0.7	3

NRC TLD DOSES FOR GRAND GULF AREA

HADDAM NECK

TLD Direct Radiation Environmental Monitoring

For the period 951207-960430 146 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	
2	17	2.6	23.1	+- 0.7; 3.5	17.6	+- 0.8; 4.6	19.0	+- 1.3
3	45	1.9	22.1	+- 0.7; 3.3	16.6	+- 0.8; 4.5	19.3	+- 1.3
4	67	2.3	21.5	+- 0.6; 3.2	16.0	+- 0.7; 4.4	18.1	+- 1.3
5	93	1.6	19.9	+- 0.6; 3.0	14.5	+- 0.7; 4.2	16.4	+- 1.0
6	115	2.3	20.2	+- 0.6; 3.0	14.7	+- 0.7; 4.3	16.0	+- 1.1
7	143	1.9	22.2	+- 0.7; 3.3	16.7	+- 0.8; 4.5	18.0	+- 1.1
8	165	0.9	20.7	+- 0.6; 3.1	15.2	+- 0.7; 4.3	16.7	+- 1.1
9	174	1.3	23.1	+- 0.7; 3.5	17.6	+- 0.8; 4.6	18.6	+- 1.3
10	195	0.7	19.9	+- 0.6; 3.0	14.5	+- 0.7; 4.2	16.5	+- 1.1
12	241	0.8	21.4	+- 0.6; 3.2	15.9	+- 0.7; 4.4	17.4	+- 1.1
13	263	0.8	20.1	+- 0.6; 3.0	14.6	+- 0.7; 4.3	16.3	+- 1.2
14	290	1.9	22.3	+- 0.7; 3.3	16.8	+- 0.8; 4.5	18.1	+- 1.1
15	311	1.5	19.7	+- 0.6; 3.0	14.2	+- 0.7; 4.2	15.7	+- 0.9
16	341	1.3	20.3	+- 0.6; 3.0	14.8	+- 0.7; 4.3	16.9	+- 1.0
17	360	2.3	Missing Dosimeter		No Net Data		19.6	+- 1.3
18	222	2.5	19.9	+- 0.6; 3.0	14.4	+- 0.7; 4.2	16.4	+- 1.0
19	269	3.0	20.3	+- 0.6; 3.0	14.9	+- 0.7; 4.3	16.0	+- 1.3
20	66	3.2	20.8	+- 0.6; 3.1	15.4	+- 0.7; 4.3	16.8	+- 1.1
21	91	2.8	22.6	+- 0.7; 3.4	17.1	+- 0.8; 4.5	18.3	+- 1.1
22	112	3.2	22.1	+- 0.7; 3.3	16.6	+- 0.8; 4.5	17.3	+- 1.3
23	137	2.9	22.0	+- 0.7; 3.3	16.5	+- 0.8; 4.5	17.1	+- 1.3
24	155	7.1	19.0	+- 0.6; 2.9	13.6	+- 0.7; 4.2	16.0	+- 1.0
25	175	5.7	22.0	+- 0.7; 3.3	16.5	+- 0.8; 4.5	16.3	+- 1.1
26	196	2.5	19.3	+- 0.6; 2.9	13.8	+- 0.7; 4.2	15.7	+- 1.1
27	225	1.1	21.3	+- 0.6; 3.2	15.8	+- 0.7; 4.4	17.6	+- 1.2
28	250	3.5	23.7	+- 0.7; 3.5	18.2	+- 0.8; 4.6	17.6	+- 1.9
29	340	20.0	23.1	+- 0.7; 3.5	17.6	+- 0.8; 4.6	19.1	+- 2.4
30	286	3.2	20.5	+- 0.6; 3.1	15.0	+- 0.7; 4.3	16.3	+- 1.0
31	322	2.7	21.2	+- 0.6; 3.2	15.7	+- 0.7; 4.4	17.4	+- 1.2
32	327	2.9	23.5	+- 0.7; 3.5	18.0	+- 0.8; 4.6	19.4	+- 1.0
33	359	6.4	20.5	+- 0.6; 3.1	15.1	+- 0.7; 4.3	16.2	+- 1.1
35	54	10.0	Damaged Dosimeter		No Net Data		17.2	+- 1.4
36	72	8.8	23.3	+- 0.7; 3.5	17.8	+- 0.8; 4.6	19.2	+- 1.4
37	149	6.8	20.3	+- 0.6; 3.0	14.8	+- 0.7; 4.3	15.7	+- 0.9
38	158	5.9	19.9	+- 0.6; 3.0	14.4	+- 0.7; 4.2	15.3	+- 1.1
39	267	8.8	20.2	+- 0.6; 3.0	14.7	+- 0.7; 4.3	16.7	+- 1.1
40	303	9.1	21.5	+- 0.6; 3.2	16.0	+- 0.7; 4.4	18.1	+- 1.1
41	313	9.6	21.3	+- 0.6; 3.2	15.8	+- 0.7; 4.4	16.6	+- 1.1
42	320	13.0	22.0	+- 0.7; 3.3	16.5	+- 0.8; 4.5	18.4	+- 1.2
43	324	18.0	20.4	+- 0.6; 3.1	14.9	+- 0.7; 4.3	16.1	+- 1.0
44	328	15.0	21.4	+- 0.6; 3.2	16.0	+- 0.7; 4.4	17.9	+- 1.5
45	343	18.0	22.7	+- 0.7; 3.4	17.2	+- 0.8; 4.5	18.7	+- 1.4
46	144	5.0	23.4	+- 0.7; 3.5	17.9	+- 0.8; 4.6	18.1	+- 1.3
49	340	20.0	23.3	+- 0.7; 3.5	17.8	+- 0.8; 4.6	18.3	+- 1.4

Transit Dose = 5.3 +- 0.4; 3.1

HADDAM NECK

For the period 951207-960430

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 +- 0.0	1
11.26 - 33.75 NNE	17.6 +- 0.0	1
33.76 - 56.25 NE	16.6 +- 0.0	1
56.26 - 78.75 ENE	16.4 +- 1.2	3
78.76 - 101.25 E	15.8 +- 1.8	2
101.26 - 123.75 ESE	15.7 +- 1.4	2
123.76 - 146.25 SE	17.0 +- 0.8	3
146.26 - 168.75 SSE	14.5 +- 0.7	4
168.76 - 191.25 S	17.0 +- 0.8	2
191.26 - 213.75 SSW	14.1 +- 0.4	2
213.76 - 236.25 SW	15.1 +- 1.0	2
236.26 - 258.75 WSW	17.0 +- 1.6	2
258.76 - 281.25 W	14.7 +- 0.1	3
281.26 - 303.75 WNW	15.9 +- 0.9	3
303.76 - 326.25 NW	15.4 +- 0.9	5
326.26 - 348.75 NNW	16.7 +- 1.3	5

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	15.6 +- 1.1	12
2 - 5	16.1 +- 1.4	15
> 5	15.8 +- 1.3	14
Upwind Control	17.8 +- 0.0	1

NRC TLD DOSES FOR HADDAM NECK AREA

HARRIS

TLD Direct Radiation Environmental Monitoring

For the period 951206-960423 140 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	36 2.6	18.5 +- 0.6; 2.8	13.4 +- 0.7; 4.1	16.5 +- 2.0
2	25 3.2	18.9 +- 0.6; 2.8	13.8 +- 0.7; 4.1	14.7 +- 1.6
3	5 2.5	18.1 +- 0.5; 2.7	13.0 +- 0.7; 4.0	16.5 +- 1.6
4	27 1.5	19.8 +- 0.6; 3.0	14.7 +- 0.7; 4.2	17.0 +- 2.3
5	36 0.9	16.7 +- 0.5; 2.5	11.7 +- 0.6; 3.9	14.1 +- 1.5
6	68 0.8	15.4 +- 0.5; 2.3	10.3 +- 0.6; 3.8	12.8 +- 1.5
7	98 0.7	17.8 +- 0.5; 2.7	12.7 +- 0.6; 4.0	15.2 +- 1.4
8	232 0.7	17.7 +- 0.5; 2.7	12.7 +- 0.6; 4.0	13.9 +- 1.4
9	190 0.8	15.6 +- 0.5; 2.3	10.6 +- 0.6; 3.8	12.6 +- 1.4
10	158 0.7	16.7 +- 0.5; 2.5	11.6 +- 0.6; 3.9	13.6 +- 1.7
11	42 4.7	Missing Dosimeter	No Net Data	19.0 +- 2.2
12	40 8.6	Missing Dosimeter	No Net Data	16.4 +- 1.5
13	298 13.0	22.3 +- 0.7; 3.4	17.2 +- 0.8; 4.5	14.0 +- 2.0
14	298 12.0	17.8 +- 0.5; 2.7	12.8 +- 0.6; 4.0	14.2 +- 1.7
15	298 11.0	16.0 +- 0.5; 2.4	11.0 +- 0.6; 3.8	12.9 +- 1.6
16	332 4.8	16.5 +- 0.5; 2.5	11.4 +- 0.6; 3.9	14.4 +- 2.1
17	291 4.5	13.4 +- 0.4; 2.0	8.4 +- 0.5; 3.6	11.8 +- 2.2
18	270 5.1	16.3 +- 0.5; 2.4	11.3 +- 0.6; 3.9	14.0 +- 2.0
19	240 5.1	18.7 +- 0.6; 2.8	13.6 +- 0.7; 4.1	16.7 +- 2.0
20	227 4.8	16.2 +- 0.5; 2.4	11.2 +- 0.6; 3.9	12.6 +- 1.4
21	208 4.8	15.6 +- 0.5; 2.3	10.6 +- 0.6; 3.8	12.4 +- 1.5
22	190 4.6	17.3 +- 0.5; 2.6	12.3 +- 0.6; 4.0	14.1 +- 1.5
23	151 4.8	15.7 +- 0.5; 2.4	10.7 +- 0.6; 3.8	13.9 +- 2.1
24	132 4.7	17.4 +- 0.5; 2.6	12.3 +- 0.6; 4.0	13.5 +- 1.9
25	112 5.0	18.1 +- 0.5; 2.7	13.0 +- 0.7; 4.0	15.6 +- 2.0
26	92 4.6	15.3 +- 0.5; 2.3	10.2 +- 0.6; 3.8	12.6 +- 1.6
27	115 2.8	16.9 +- 0.5; 2.5	11.9 +- 0.6; 3.9	13.7 +- 1.6
28	135 2.3	14.8 +- 0.4; 2.2	9.8 +- 0.6; 3.7	11.4 +- 1.7
29	164 2.2	17.4 +- 0.5; 2.6	12.4 +- 0.6; 4.0	14.5 +- 2.1
30	49 2.2	17.6 +- 0.5; 2.6	12.5 +- 0.6; 4.0	13.9 +- 1.7
31	276 1.8	16.3 +- 0.5; 2.5	11.3 +- 0.6; 3.9	13.8 +- 1.7
32	292 1.7	Missing Dosimeter	No Net Data	17.2 +- 1.6
33	314 1.4	17.9 +- 0.5; 2.7	12.8 +- 0.6; 4.0	16.1 +- 1.6
34	329 1.3	18.7 +- 0.6; 2.8	13.6 +- 0.7; 4.1	16.4 +- 1.9
35	350 4.5	18.2 +- 0.5; 2.7	13.2 +- 0.7; 4.1	15.8 +- 1.6
36	338 4.4	15.3 +- 0.5; 2.3	10.3 +- 0.6; 3.8	16.2 +- 3.1
37	16 4.9	15.1 +- 0.5; 2.3	10.0 +- 0.6; 3.8	15.0 +- 2.8
38	68 4.8	15.0 +- 0.5; 2.3	10.0 +- 0.6; 3.7	12.2 +- 1.5
39	80 6.9	18.1 +- 0.5; 2.7	13.1 +- 0.7; 4.0	14.5 +- 1.3
40	80 6.9	15.2 +- 0.5; 2.3	10.1 +- 0.6; 3.8	13.6 +- 1.9
41	118 9.7	21.6 +- 0.6; 3.2	16.5 +- 0.7; 4.4	19.0 +- 1.6
42	260 1.1	16.2 +- 0.5; 2.4	11.2 +- 0.6; 3.9	13.9 +- 1.7
43	333 1.7	16.9 +- 0.5; 2.5	11.9 +- 0.6; 3.9	15.8 +- 2.3
44	50 24.0	21.6 +- 0.6; 3.2	16.5 +- 0.7; 4.4	20.2 +- 2.0

Transit Dose = 4.9 +- 0.4; 3.0

HARRIS

For the period 951206-960423

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 +- 0.1	2
11.26 - 33.75 NNE	12.9 +- 2.5	3
33.76 - 56.25 NE	13.5 +- 2.1	4
56.26 - 78.75 ENE	10.2 +- 0.2	2
78.76 - 101.25 E	11.5 +- 1.6	4
101.26 - 123.75 ESE	13.8 +- 2.4	3
123.76 - 146.25 SE	11.0 +- 1.8	2
146.26 - 168.75 SSE	11.6 +- 0.8	3
168.76 - 191.25 S	11.4 +- 1.2	2
191.26 - 213.75 SSW	10.6 +- 0.0	1
213.76 - 236.25 SW	11.9 +- 1.1	2
236.26 - 258.75 WSW	13.6 +- 0.0	1
258.76 - 281.25 W	11.3 +- 0.1	3
281.26 - 303.75 WNW	8.4 +- 0.0	1
303.76 - 326.25 NW	12.8 +- 0.0	1
326.26 - 348.75 NNW	11.8 +- 1.4	4

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	12.1 +- 1.3	12
2 - 5	11.5 +- 1.5	20
> 5	13.5 +- 2.6	6
Upwind Control	13.7 +- 3.2	3

NRC TLD DOSES FOR HARRIS AREA

Miles

Legend

Water

Highways

Railroads

Roads

Plant..site

HATCH

TLD Direct Radiation Environmental Monitoring

For the period 951206-960416 133 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	342	23.0	19.6 +- 0.6; 2.9	18.2 +- 0.7; 4.2	16.3 +- 1.8
2	359	7.7	17.7 +- 0.5; 2.7	16.2 +- 0.6; 3.9	14.2 +- 1.8
3	354	4.5	17.5 +- 0.5; 2.6	15.9 +- 0.6; 3.9	14.4 +- 1.9
4	336	2.9	16.4 +- 0.5; 2.5	14.8 +- 0.6; 3.8	13.0 +- 1.9
5	309	4.6	16.4 +- 0.5; 2.5	14.9 +- 0.6; 3.8	13.5 +- 1.9
6	297	5.6	18.7 +- 0.6; 2.8	17.3 +- 0.7; 4.1	15.7 +- 1.9
7	24	2.8	17.9 +- 0.5; 2.7	16.4 +- 0.6; 4.0	13.9 +- 2.1
8	49	2.0	17.7 +- 0.5; 2.7	16.2 +- 0.6; 3.9	13.9 +- 1.8
9	49	10.0	16.6 +- 0.5; 2.5	15.0 +- 0.6; 3.8	13.5 +- 1.8
10	28	4.8	18.5 +- 0.6; 2.8	17.0 +- 0.6; 4.0	13.9 +- 1.6
11	67	5.0	16.8 +- 0.5; 2.5	15.2 +- 0.6; 3.8	14.3 +- 1.7
12	50	5.1	20.9 +- 0.6; 3.1	19.5 +- 0.7; 4.3	18.1 +- 2.1
13	353	2.0	16.0 +- 0.5; 2.4	14.4 +- 0.6; 3.8	12.5 +- 1.5
14	341	1.6	18.8 +- 0.6; 2.8	17.3 +- 0.7; 4.1	14.6 +- 1.9
15	147	10.0	16.1 +- 0.5; 2.4	14.4 +- 0.6; 3.8	12.9 +- 1.6
16	232	0.9	17.5 +- 0.5; 2.6	16.0 +- 0.6; 3.9	13.0 +- 1.7
17	205	1.6	18.3 +- 0.5; 2.7	16.8 +- 0.6; 4.0	14.3 +- 1.7
18	192	4.2	15.8 +- 0.5; 2.4	14.2 +- 0.6; 3.7	11.3 +- 1.5
19	184	4.2	15.6 +- 0.5; 2.3	13.9 +- 0.6; 3.7	11.4 +- 1.9
20	165	4.6	15.5 +- 0.5; 2.3	13.8 +- 0.6; 3.7	12.2 +- 1.8
21	135	4.4	16.2 +- 0.5; 2.4	14.6 +- 0.6; 3.8	12.6 +- 1.6
22	120	4.1	16.6 +- 0.5; 2.5	15.0 +- 0.6; 3.8	13.7 +- 1.9
23	107	3.7	15.2 +- 0.5; 2.3	13.6 +- 0.6; 3.7	13.2 +- 1.9
24	123	14.0	15.9 +- 0.5; 2.4	14.3 +- 0.6; 3.8	12.2 +- 1.6
25	114	12.0	17.2 +- 0.5; 2.6	15.7 +- 0.6; 3.9	13.3 +- 1.6
26	142	1.8	17.9 +- 0.5; 2.7	16.3 +- 0.6; 4.0	14.2 +- 1.7
27	157	2.2	15.7 +- 0.5; 2.3	14.0 +- 0.6; 3.7	13.1 +- 1.7
28	171	0.9	17.8 +- 0.5; 2.7	16.2 +- 0.6; 4.0	14.4 +- 1.7
29	253	1.0	16.3 +- 0.5; 2.4	14.7 +- 0.6; 3.8	13.3 +- 1.7
30	270	1.0	18.6 +- 0.6; 2.8	17.1 +- 0.7; 4.0	15.1 +- 2.5
31	292	1.1	17.2 +- 0.5; 2.6	15.6 +- 0.6; 3.9	13.5 +- 1.9
32	268	4.2	16.9 +- 0.5; 2.5	15.3 +- 0.6; 3.9	13.5 +- 1.5
33	248	4.3	16.2 +- 0.5; 2.4	14.6 +- 0.6; 3.8	12.0 +- 1.7
34	216	4.1	15.2 +- 0.5; 2.3	13.6 +- 0.6; 3.7	11.6 +- 1.9
35	234	12.0	19.0 +- 0.6; 2.9	17.6 +- 0.7; 4.1	14.0 +- 2.1
36	182	10.0	14.7 +- 0.4; 2.2	13.0 +- 0.5; 3.6	12.7 +- 2.8
37	177	10.0	16.1 +- 0.5; 2.4	14.5 +- 0.6; 3.8	12.6 +- 1.7
38	323	12.0	18.3 +- 0.5; 2.7	16.7 +- 0.6; 4.0	14.9 +- 1.7
39	321	13.0	18.1 +- 0.5; 2.7	16.5 +- 0.6; 4.0	15.2 +- 1.9
40	323	12.0	18.5 +- 0.6; 2.8	17.0 +- 0.7; 4.0	15.1 +- 2.0

Transit Dose = 2.3 +- 0.3; 2.7

HATCH

For the period 951206-960416

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 +- 1.0	3
11.26 - 33.75 NNE	16.7 +- 0.4	2
33.76 - 56.25 NE	16.9 +- 2.3	3
56.26 - 78.75 ENE	15.2 +- 0.0	1
78.76 - 101.25 E	No Data +- No Data	0
101.26 - 123.75 ESE	14.6 +- 0.9	4
123.76 - 146.25 SE	15.5 +- 1.2	2
146.26 - 168.75 SSE	14.1 +- 0.3	3
168.76 - 191.25 S	14.4 +- 1.4	4
191.26 - 213.75 SSW	15.5 +- 1.9	2
213.76 - 236.25 SW	15.7 +- 2.0	3
236.26 - 258.75 WSW	14.6 +- 0.1	2
258.76 - 281.25 W	16.2 +- 1.3	2
281.26 - 303.75 WNW	16.4 +- 1.2	2
303.76 - 326.25 NW	14.9 +- 0.0	1
326.26 - 348.75 NNW	16.7 +- 1.7	3

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	16.1 +- 0.9	10
2 - 5	14.8 +- 1.0	16
> 5	16.0 +- 2.0	11
Upwind Control	16.8 +- 0.2	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 951207-960410 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	52	1.4	15.5 +- 0.5; 2.3	11.8 +- 0.6; 3.9	12.4 +- 1.2
2	53	1.0	16.7 +- 0.5; 2.5	13.1 +- 0.6; 4.0	14.2 +- 1.1
3	61	1.5	Missing Dosimeter	No Net Data	15.0 +- 1.0
4	89	1.2	17.8 +- 0.5; 2.7	14.3 +- 0.7; 4.1	15.4 +- 1.2
5	107	0.9	16.6 +- 0.5; 2.5	13.0 +- 0.6; 4.0	15.3 +- 1.1
6	90	0.5	18.1 +- 0.5; 2.7	14.6 +- 0.7; 4.2	15.5 +- 1.3
7	133	0.8	17.3 +- 0.5; 2.6	13.7 +- 0.7; 4.1	14.7 +- 1.3
8	158	0.8	19.1 +- 0.6; 2.9	15.6 +- 0.7; 4.3	16.0 +- 1.2
9	188	1.2	19.9 +- 0.6; 3.0	16.5 +- 0.7; 4.3	16.1 +- 1.2
10	206	0.9	17.0 +- 0.5; 2.5	13.4 +- 0.6; 4.0	14.9 +- 1.5
11	170	1.1	15.9 +- 0.5; 2.4	12.2 +- 0.6; 3.9	13.5 +- 1.0
12	155	2.3	16.9 +- 0.5; 2.5	13.3 +- 0.6; 4.0	14.6 +- 1.2
13	136	3.2	17.7 +- 0.5; 2.7	14.1 +- 0.7; 4.1	15.0 +- 1.1
14	107	3.1	16.0 +- 0.5; 2.4	12.3 +- 0.6; 3.9	13.8 +- 1.1
15	94	3.8	17.2 +- 0.5; 2.6	13.7 +- 0.7; 4.1	14.4 +- 1.0
16	142	5.7	Missing Dosimeter	No Net Data	16.0 +- 1.0
18	147	9.1	18.7 +- 0.6; 2.8	15.2 +- 0.7; 4.2	16.2 +- 1.1
19	137	12.0	16.6 +- 0.5; 2.5	12.9 +- 0.6; 4.0	14.2 +- 1.5
20	129	12.0	17.2 +- 0.5; 2.6	13.6 +- 0.7; 4.0	14.5 +- 1.2
22	74	7.5	18.5 +- 0.6; 2.8	15.0 +- 0.7; 4.2	15.2 +- 1.2
23	5	100.0	19.7 +- 0.6; 3.0	16.3 +- 0.7; 4.3	16.7 +- 1.4
24	5	100.0	19.5 +- 0.6; 2.9	16.1 +- 0.7; 4.3	16.6 +- 1.4
25	65	4.1	17.0 +- 0.5; 2.5	13.4 +- 0.6; 4.0	14.4 +- 1.3
26	40	4.0	20.0 +- 0.6; 3.0	16.6 +- 0.7; 4.4	17.7 +- 1.2
27	25	5.3	18.8 +- 0.6; 2.8	15.3 +- 0.7; 4.2	16.5 +- 1.2
28	24	2.9	18.7 +- 0.6; 2.8	15.2 +- 0.7; 4.2	15.3 +- 1.2
29	22	2.1	20.5 +- 0.6; 3.1	17.2 +- 0.7; 4.4	15.3 +- 1.2
30	8	1.9	22.1 +- 0.7; 3.3	18.8 +- 0.8; 4.6	16.5 +- 1.3
31	356	5.0	18.3 +- 0.5; 2.7	14.8 +- 0.7; 4.2	15.4 +- 1.3
32	330	3.7	16.6 +- 0.5; 2.5	13.0 +- 0.6; 4.0	16.3 +- 1.7
33	338	4.7	18.8 +- 0.6; 2.8	15.4 +- 0.7; 4.2	17.0 +- 1.5
34	354	7.0	20.2 +- 0.6; 3.0	16.8 +- 0.7; 4.4	19.1 +- 3.1
35	297	4.4	18.0 +- 0.5; 2.7	14.5 +- 0.7; 4.1	16.0 +- 1.2
36	309	3.6	21.5 +- 0.6; 3.2	18.1 +- 0.8; 4.5	22.3 +- 5.6
37	350	1.1	19.2 +- 0.6; 2.9	15.8 +- 0.7; 4.3	16.5 +- 1.1
38	337	0.9	18.1 +- 0.5; 2.7	14.6 +- 0.7; 4.1	16.5 +- 1.6
39	315	1.0	18.4 +- 0.6; 2.8	14.9 +- 0.7; 4.2	15.0 +- 1.2
40	294	1.1	19.5 +- 0.6; 2.9	16.1 +- 0.7; 4.3	16.6 +- 1.3
41	274	1.1	20.2 +- 0.6; 3.0	16.8 +- 0.7; 4.4	18.7 +- 2.0
42	248	1.5	19.4 +- 0.6; 2.9	15.9 +- 0.7; 4.3	17.0 +- 2.1
44	5	100.0	19.6 +- 0.6; 2.9	16.2 +- 0.7; 4.3	16.7 +- 1.5
45	227	2.4	17.8 +- 0.5; 2.7	14.2 +- 0.7; 4.1	16.0 +- 2.0
46	209	3.2	17.0 +- 0.5; 2.6	13.4 +- 0.6; 4.0	14.5 +- 1.9
47	218	5.3	17.3 +- 0.5; 2.6	13.8 +- 0.7; 4.1	15.1 +- 1.9
48	201	4.6	17.6 +- 0.5; 2.6	14.0 +- 0.7; 4.1	16.1 +- 1.4
49	187	5.2	15.9 +- 0.5; 2.4	12.3 +- 0.6; 3.9	13.7 +- 1.7
50	171	7.1	17.2 +- 0.5; 2.6	13.6 +- 0.7; 4.0	14.3 +- 1.4

Transit Dose = 4.3 +- 0.3; 2.8

INDIAN POINT

For the period 951207-960410

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 +- 1.7	4
11.26 - 33.75 NNE	15.9 +- 1.1	3
33.76 - 56.25 NE	13.8 +- 2.5	3
56.26 - 78.75 ENE	14.2 +- 1.1	2
78.76 - 101.25 E	14.2 +- 0.5	3
101.26 - 123.75 ESE	12.7 +- 0.5	2
123.76 - 146.25 SE	13.6 +- 0.5	4
146.26 - 168.75 SSE	14.7 +- 1.2	3
168.76 - 191.25 S	13.6 +- 2.0	4
191.26 - 213.75 SSW	13.6 +- 0.4	3
213.76 - 236.25 SW	14.0 +- 0.3	2
236.26 - 258.75 WSW	15.9 +- 0.0	1
258.76 - 281.25 W	16.8 +- 0.0	1
281.26 - 303.75 WNW	15.3 +- 1.1	2
303.76 - 326.25 NW	16.5 +- 2.3	2
326.26 - 348.75 NNW	14.3 +- 1.2	3

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	14.8 +- 1.8	17
2 - 5	14.6 +- 1.6	16
> 5	14.3 +- 1.4	9
Upwind Control	16.2 +- 0.1	3

NRC TLD DOSES FOR INDIAN POINT AREA

KEWAUNEE/PT. BEACH

TLD Direct Radiation Environmental Monitoring

For the period 951205-960416 134 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	189	8.1	16.3	+- 0.5; 2.4	12.2	+- 0.6; 3.7	12.6	+- 1.3
2	195	7.0	22.0	+- 0.7; 3.3	17.5	+- 0.7; 4.2	17.3	+- 2.3
3	163	4.9	16.1	+- 0.5; 2.4	11.9	+- 0.6; 3.7	13.0	+- 1.3
4	183	3.3	20.1	+- 0.6; 3.0	15.7	+- 0.7; 4.1	16.5	+- 1.8
5	210	3.2	16.7	+- 0.5; 2.5	12.5	+- 0.6; 3.7	12.1	+- 1.7
6	223	3.7	19.3	+- 0.6; 2.9	15.0	+- 0.6; 4.0	16.4	+- 2.0
7	242	5.7	Missing Dosimeter		No Net Data		13.9	+- 1.1
8	202	1.8	19.9	+- 0.6; 3.0	15.6	+- 0.7; 4.0	17.1	+- 1.5
9	180	1.8	18.8	+- 0.6; 2.8	14.5	+- 0.6; 3.9	15.6	+- 1.6
10	158	1.9	17.1	+- 0.5; 2.6	12.9	+- 0.6; 3.8	12.7	+- 1.5
11	235	1.2	20.8	+- 0.6; 3.1	16.4	+- 0.7; 4.1	16.8	+- 1.7
12	258	1.4	20.1	+- 0.6; 3.0	15.7	+- 0.7; 4.0	15.3	+- 1.7
13	273	1.4	17.5	+- 0.5; 2.6	13.3	+- 0.6; 3.8	15.7	+- 1.9
14	290	0.9	20.1	+- 0.6; 3.0	15.7	+- 0.7; 4.1	16.5	+- 1.5
15	333	0.8	18.3	+- 0.5; 2.7	14.1	+- 0.6; 3.9	15.3	+- 1.7
16	342	1.9	18.5	+- 0.6; 2.8	14.2	+- 0.6; 3.9	15.3	+- 1.7
17	317	2.0	19.5	+- 0.6; 2.9	15.2	+- 0.6; 4.0	13.4	+- 2.1
18	310	3.4	20.3	+- 0.6; 3.0	15.9	+- 0.7; 4.1	17.6	+- 1.5
19	293	4.0	18.7	+- 0.6; 2.8	14.5	+- 0.6; 3.9	14.2	+- 1.7
20	273	4.0	19.5	+- 0.6; 2.9	15.2	+- 0.6; 4.0	14.6	+- 2.2
21	300	5.6	18.3	+- 0.5; 2.7	14.0	+- 0.6; 3.9	14.5	+- 1.4
22	316	5.9	18.7	+- 0.6; 2.8	14.4	+- 0.6; 3.9	15.4	+- 1.7
23	345	2.7	19.6	+- 0.6; 2.9	15.3	+- 0.6; 4.0	16.6	+- 1.6
24	219	1.3	17.6	+- 0.5; 2.6	13.4	+- 0.6; 3.8	14.8	+- 1.7
25	247	1.4	19.6	+- 0.6; 2.9	15.3	+- 0.6; 4.0	16.6	+- 1.6
26	263	1.3	18.4	+- 0.6; 2.8	14.2	+- 0.6; 3.9	16.2	+- 1.6
27	290	1.4	19.7	+- 0.6; 3.0	15.4	+- 0.6; 4.0	16.8	+- 1.6
28	320	1.3	20.7	+- 0.6; 3.1	16.3	+- 0.7; 4.1	17.0	+- 2.2
29	342	1.1	18.6	+- 0.6; 2.8	14.4	+- 0.6; 3.9	15.5	+- 2.3
30	329	0.6	19.7	+- 0.6; 2.9	15.3	+- 0.6; 4.0	16.5	+- 1.7
31	13	1.0	19.2	+- 0.6; 2.9	14.9	+- 0.6; 4.0	14.9	+- 1.7
32	353	2.1	19.7	+- 0.6; 2.9	15.3	+- 0.6; 4.0	16.0	+- 1.8
33	301	3.9	17.2	+- 0.5; 2.6	13.0	+- 0.6; 3.8	14.7	+- 1.6
34	299	8.4	18.7	+- 0.6; 2.8	14.4	+- 0.6; 3.9	15.7	+- 1.4
35	323	3.8	18.0	+- 0.5; 2.7	13.8	+- 0.6; 3.8	13.9	+- 2.0
36	336	3.3	19.5	+- 0.6; 2.9	15.2	+- 0.6; 4.0	16.8	+- 2.0
37	6	3.1	18.0	+- 0.5; 2.7	13.7	+- 0.6; 3.8	14.4	+- 1.5
38	14	3.7	18.2	+- 0.5; 2.7	13.9	+- 0.6; 3.9	15.4	+- 1.7
39	13	7.6	17.1	+- 0.5; 2.6	12.9	+- 0.6; 3.8	13.4	+- 1.8
40	247	4.3	20.9	+- 0.6; 3.1	16.5	+- 0.7; 4.1	18.6	+- 1.5
41	8	23.0	17.4	+- 0.5; 2.6	13.1	+- 0.6; 3.8	12.9	+- 2.0
42	8	23.0	17.8	+- 0.5; 2.7	13.6	+- 0.6; 3.8	13.5	+- 1.6
43	8	23.0	16.4	+- 0.5; 2.5	12.3	+- 0.6; 3.7	12.7	+- 1.7

Transit Dose = 3.5 +- 0.3; 3.0

KEWAUNEE/PT. BEACH
For the period 951205-960416

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 +- 1.1	2
11.26 - 33.75 NNE	13.9 +- 1.0	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	12.4 +- 0.7	2
168.76 - 191.25 S	14.1 +- 1.8	3
191.26 - 213.75 SSW	15.2 +- 2.5	3
213.76 - 236.25 SW	14.9 +- 1.5	3
236.26 - 258.75 WSW	15.8 +- 0.6	3
258.76 - 281.25 W	14.2 +- 1.0	3
281.26 - 303.75 WNW	14.5 +- 1.0	6
303.76 - 326.25 NW	15.1 +- 1.1	5
326.26 - 348.75 NNW	14.7 +- 0.6	6

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	14.8 +- 1.0	18
2 - 5	14.5 +- 1.3	15
> 5	14.2 +- 1.8	6
Upwind Control	13.0 +- 0.7	3

NRC TLD DOSES FOR KEWAUNEE AREA

Miles

Legend

Water

Highways

Railroads

Roads

Plant..site

LACROSSE

TLD Direct Radiation Environmental Monitoring

For the period 951205-960409 127 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	5 20.0	18.8 +- 0.6; 2.8	15.1 +- 0.7; 4.2	14.8 +- 1.7
2	5 20.0	18.3 +- 0.6; 2.8	14.6 +- 0.7; 4.2	15.3 +- 1.3
3	3 20.0	18.8 +- 0.6; 2.8	15.1 +- 0.7; 4.2	15.8 +- 1.0
4	343 3.8	17.6 +- 0.5; 2.6	13.8 +- 0.7; 4.1	14.8 +- 1.3
5	313 3.8	17.9 +- 0.5; 2.7	14.1 +- 0.7; 4.1	16.3 +- 0.9
6	291 3.0	17.1 +- 0.5; 2.6	13.3 +- 0.6; 4.0	15.8 +- 1.1
7	261 4.8	19.9 +- 0.6; 3.0	16.2 +- 0.7; 4.3	17.6 +- 1.5
8	249 3.2	19.2 +- 0.6; 2.9	15.4 +- 0.7; 4.2	17.1 +- 1.6
9	214 5.0	18.1 +- 0.5; 2.7	14.3 +- 0.7; 4.1	15.9 +- 1.5
10	171 9.8	18.3 +- 0.5; 2.7	14.5 +- 0.7; 4.1	14.4 +- 1.2
11	176 5.1	18.3 +- 0.6; 2.8	14.6 +- 0.7; 4.2	14.9 +- 1.0
12	165 4.9	18.1 +- 0.5; 2.7	14.3 +- 0.7; 4.1	16.2 +- 0.9
13	138 3.5	19.9 +- 0.6; 3.0	16.2 +- 0.7; 4.3	16.9 +- 1.2
14	114 4.2	18.3 +- 0.5; 2.7	14.5 +- 0.7; 4.1	15.6 +- 1.1
15	97 3.9	16.9 +- 0.5; 2.5	13.0 +- 0.6; 4.0	14.8 +- 0.8
16	94 3.0	18.1 +- 0.5; 2.7	14.3 +- 0.7; 4.1	16.6 +- 1.2
17	105 2.0	17.1 +- 0.5; 2.6	13.2 +- 0.6; 4.0	16.2 +- 2.2
18	52 1.5	17.1 +- 0.5; 2.6	13.3 +- 0.6; 4.0	14.3 +- 1.1
19	16 1.5	15.9 +- 0.5; 2.4	12.0 +- 0.6; 3.9	14.5 +- 0.9
20	1 1.0	15.9 +- 0.5; 2.4	12.0 +- 0.6; 3.9	13.5 +- 0.9
21	358 0.5	19.3 +- 0.6; 2.9	15.6 +- 0.7; 4.3	17.1 +- 1.1
22	180 0.6	19.5 +- 0.6; 2.9	15.8 +- 0.7; 4.3	16.2 +- 0.9
23	134 1.7	18.8 +- 0.6; 2.8	15.0 +- 0.7; 4.2	16.3 +- 1.5
24	58 0.6	Missing Dosimeter	No Net Data	17.4 +- 1.5
25	59 3.1	19.3 +- 0.6; 2.9	15.5 +- 0.7; 4.3	17.2 +- 1.5
26	16 1.5	19.9 +- 0.6; 3.0	16.2 +- 0.7; 4.3	16.5 +- 1.4
27	26 5.1	17.9 +- 0.5; 2.7	14.1 +- 0.7; 4.1	15.4 +- 1.1
28	25 7.0	16.1 +- 0.5; 2.4	12.2 +- 0.6; 3.9	14.3 +- 1.6
29	4 4.8	19.3 +- 0.6; 2.9	15.5 +- 0.7; 4.3	16.0 +- 1.1

Transit Dose = 4.4 +- 0.3; 2.9

LACROSSE

For the period 951205-960409

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 +- 2.0	3
11.26 - 33.75 NNE	13.6 +- 1.9	4
33.76 - 56.25 NE	13.3 +- 0.0	1
56.26 - 78.75 ENE	15.5 +- 0.0	1
78.76 - 101.25 E	13.7 +- 0.9	2
101.26 - 123.75 ESE	13.8 +- 0.9	2
123.76 - 146.25 SE	15.6 +- 0.8	2
146.26 - 168.75 SSE	14.3 +- 0.0	1
168.76 - 191.25 S	15.0 +- 0.7	3
191.26 - 213.75 SSW	No Data +- No Data	0
213.76 - 236.25 SW	14.3 +- 0.0	1
236.26 - 258.75 WSW	15.4 +- 0.0	1
258.76 - 281.25 W	16.2 +- 0.0	1
281.26 - 303.75 WNW	13.3 +- 0.0	1
303.76 - 326.25 NW	14.1 +- 0.0	1
326.26 - 348.75 NNW	13.8 +- 0.0	1

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	14.1 +- 1.7	8
2 - 5	14.7 +- 1.0	13
> 5	13.8 +- 1.1	4
Upwind Control	14.9 +- 0.3	3

NRC TLD DOSES FOR LACROSSE AREA

Miles

Legend

Water

Highways

Railroads

Roads

Plant..site

LASALLE

TLD Direct Radiation Environmental Monitoring

For the period 951205-960416 134 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	302 10.0	21.4 +- 0.6; 3.2	19.3 +- 0.8; 4.5	17.4 +- 1.2
2	335 5.3	22.6 +- 0.7; 3.4	20.5 +- 0.8; 4.6	19.7 +- 1.5
3	343 5.8	Missing Dosimeter	No Net Data	15.8 +- 1.0
4	38 5.5	20.4 +- 0.6; 3.1	18.1 +- 0.7; 4.4	19.1 +- 2.2
5	39 4.3	18.8 +- 0.6; 2.8	16.5 +- 0.7; 4.2	14.7 +- 1.2
6	27 3.8	21.0 +- 0.6; 3.1	18.8 +- 0.8; 4.5	17.2 +- 1.3
7	2 4.1	21.5 +- 0.6; 3.2	19.3 +- 0.8; 4.5	19.6 +- 1.3
8	304 4.6	21.7 +- 0.7; 3.3	19.6 +- 0.8; 4.5	19.1 +- 1.3
9	292 3.9	24.0 +- 0.7; 3.6	22.1 +- 0.8; 4.8	19.8 +- 2.6
10	281 3.7	21.8 +- 0.7; 3.3	19.7 +- 0.8; 4.6	19.3 +- 1.8
11	248 4.0	21.8 +- 0.7; 3.3	19.7 +- 0.8; 4.6	18.5 +- 1.2
12	222 12.0	20.9 +- 0.6; 3.1	18.7 +- 0.7; 4.4	17.8 +- 1.1
13	212 18.0	20.8 +- 0.6; 3.1	18.6 +- 0.7; 4.4	18.4 +- 1.1
14	212 18.0	21.4 +- 0.6; 3.2	19.3 +- 0.8; 4.5	19.0 +- 1.2
15	212 18.0	21.9 +- 0.7; 3.3	19.8 +- 0.8; 4.6	18.8 +- 1.3
16	215 4.4	23.5 +- 0.7; 3.5	21.5 +- 0.8; 4.8	19.8 +- 1.0
17	204 4.0	21.6 +- 0.6; 3.2	19.4 +- 0.8; 4.5	19.2 +- 1.1
18	173 4.6	23.3 +- 0.7; 3.5	21.3 +- 0.8; 4.7	19.7 +- 1.2
19	174 6.4	21.2 +- 0.6; 3.2	19.1 +- 0.8; 4.5	17.3 +- 1.0
20	158 3.6	22.4 +- 0.7; 3.4	20.4 +- 0.8; 4.6	18.7 +- 1.3
21	124 4.2	22.2 +- 0.7; 3.3	20.1 +- 0.8; 4.6	19.2 +- 1.7
22	114 3.8	21.8 +- 0.7; 3.3	19.7 +- 0.8; 4.6	18.8 +- 1.2
23	97 4.5	20.9 +- 0.6; 3.1	18.7 +- 0.8; 4.4	18.2 +- 1.4
24	72 4.7	23.5 +- 0.7; 3.5	21.5 +- 0.8; 4.8	19.9 +- 1.4
25	41 2.0	21.5 +- 0.6; 3.2	19.3 +- 0.8; 4.5	19.1 +- 1.2
26	11 1.6	21.9 +- 0.7; 3.3	19.8 +- 0.8; 4.6	18.7 +- 1.3
27	358 1.5	22.2 +- 0.7; 3.3	20.1 +- 0.8; 4.6	19.3 +- 1.1
28	336 1.6	21.7 +- 0.7; 3.3	19.6 +- 0.8; 4.5	18.4 +- 1.3
29	310 2.3	21.3 +- 0.6; 3.2	19.1 +- 0.8; 4.5	17.8 +- 1.4
30	301 2.0	24.1 +- 0.7; 3.6	22.1 +- 0.8; 4.8	21.1 +- 1.1
31	271 1.7	21.9 +- 0.7; 3.3	19.8 +- 0.8; 4.6	18.6 +- 1.2
32	256 1.8	22.6 +- 0.7; 3.4	20.6 +- 0.8; 4.7	19.5 +- 1.7
33	227 2.4	23.5 +- 0.7; 3.5	21.5 +- 0.8; 4.8	20.6 +- 1.3
34	204 1.7	Missing Dosimeter	No Net Data	18.9 +- 1.0
35	165 1.6	21.4 +- 0.6; 3.2	19.2 +- 0.8; 4.5	19.9 +- 1.9
36	149 1.8	23.8 +- 0.7; 3.6	21.8 +- 0.8; 4.8	19.7 +- 1.2
37	139 2.1	22.6 +- 0.7; 3.4	20.5 +- 0.8; 4.6	19.0 +- 1.2
38	111 1.5	20.9 +- 0.6; 3.1	18.7 +- 0.7; 4.4	17.0 +- 1.1
39	265 0.6	23.0 +- 0.7; 3.4	20.9 +- 0.8; 4.7	20.0 +- 1.6

Transit Dose = 3.4 +- 0.3; 2.7

LASALLE

For the period 951205-960416

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 +- 0.4	3
11.26 - 33.75 NNE	18.8 +- 0.0	1
33.76 - 56.25 NE	18.0 +- 1.4	3
56.26 - 78.75 ENE	21.5 +- 0.0	1
78.76 - 101.25 E	18.7 +- 0.0	1
101.26 - 123.75 ESE	19.2 +- 0.7	2
123.76 - 146.25 SE	20.3 +- 0.3	2
146.26 - 168.75 SSE	20.5 +- 1.3	3
168.76 - 191.25 S	20.2 +- 1.5	2
191.26 - 213.75 SSW	19.4 +- 0.0	1
213.76 - 236.25 SW	20.6 +- 1.6	3
236.26 - 258.75 WSW	20.1 +- 0.6	2
258.76 - 281.25 W	20.1 +- 0.7	3
281.26 - 303.75 WNW	21.2 +- 1.6	3
303.76 - 326.25 NW	19.4 +- 0.3	2
326.26 - 348.75 NNW	20.0 +- 0.6	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	20.2 +- 1.1	11
2 - 5	20.0 +- 1.3	18
> 5	19.1 +- 0.9	5
Upwind Control	19.2 +- 0.6	3

NRC TLD DOSES FOR LASALLE AREA

LIMERICK

TLD Direct Radiation Environmental Monitoring

For the period 951207-960408 124 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	115	8.5	24.8 +- 0.7; 3.7	No Net Data	22.7 +- 1.5
3	85	3.7	20.1 +- 0.6; 3.0	No Net Data	18.9 +- 1.4
4	46	3.3	21.3 +- 0.6; 3.2	No Net Data	19.5 +- 1.4
5	20	3.7	20.2 +- 0.6; 3.0	No Net Data	19.4 +- 1.3
6	7	4.6	20.9 +- 0.6; 3.1	No Net Data	20.0 +- 1.3
7	340	7.2	18.9 +- 0.6; 2.8	No Net Data	17.7 +- 1.4
8	332	4.0	20.8 +- 0.6; 3.1	No Net Data	19.1 +- 1.2
9	313	3.4	20.4 +- 0.6; 3.1	No Net Data	19.1 +- 1.3
10	291	4.9	23.1 +- 0.7; 3.5	No Net Data	20.9 +- 1.5
11	304	3.0	26.2 +- 0.8; 3.9	No Net Data	24.3 +- 1.7
12	316	1.9	20.0 +- 0.6; 3.0	No Net Data	18.2 +- 1.2
13	347	1.9	22.4 +- 0.7; 3.4	No Net Data	20.4 +- 1.4
14	339	1.5	18.7 +- 0.6; 2.8	No Net Data	17.3 +- 1.1
15	41	1.7	20.9 +- 0.6; 3.1	No Net Data	18.2 +- 1.4
16	66	2.6	21.0 +- 0.6; 3.1	No Net Data	19.0 +- 1.5
17	5	0.6	19.3 +- 0.6; 2.9	No Net Data	18.4 +- 1.8
18	300	0.7	20.3 +- 0.6; 3.0	No Net Data	18.8 +- 1.5
19	291	0.7	20.7 +- 0.6; 3.1	No Net Data	18.4 +- 1.5
20	260	0.7	19.7 +- 0.6; 2.9	No Net Data	18.1 +- 1.3
21	234	0.9	20.7 +- 0.6; 3.1	No Net Data	18.2 +- 1.3
22	210	1.1	20.9 +- 0.6; 3.1	No Net Data	19.0 +- 1.1
23	174	1.7	20.0 +- 0.6; 3.0	No Net Data	17.0 +- 1.2
24	149	1.5	20.0 +- 0.6; 3.0	No Net Data	17.6 +- 1.3
25	124	1.0	21.0 +- 0.6; 3.1	No Net Data	19.6 +- 1.2
26	114	1.1	21.6 +- 0.6; 3.2	No Net Data	19.8 +- 1.3
27	160	1.0	21.2 +- 0.6; 3.2	No Net Data	18.9 +- 1.2
28	81	1.0	22.2 +- 0.7; 3.3	No Net Data	18.4 +- 1.2
29	51	0.7	21.3 +- 0.6; 3.2	No Net Data	18.9 +- 1.4
30	144	3.2	21.8 +- 0.7; 3.3	No Net Data	22.3 +- 1.6
31	158	2.6	20.7 +- 0.6; 3.1	No Net Data	18.8 +- 1.8
32	153	7.3	21.0 +- 0.6; 3.1	No Net Data	17.6 +- 1.3
33	186	4.2	20.3 +- 0.6; 3.0	No Net Data	17.1 +- 1.3
34	194	3.8	18.0 +- 0.5; 2.7	No Net Data	16.7 +- 1.4
35	229	5.1	21.4 +- 0.6; 3.2	No Net Data	18.8 +- 1.2
36	251	4.1	23.9 +- 0.7; 3.6	No Net Data	19.8 +- 2.1
37	270	3.0	18.5 +- 0.6; 2.8	No Net Data	15.7 +- 1.1
38	293	11.9	21.1 +- 0.6; 3.2	No Net Data	20.2 +- 1.5
39	293	11.9	21.8 +- 0.7; 3.3	No Net Data	20.4 +- 1.5
40	293	11.9	20.7 +- 0.6; 3.1	No Net Data	20.7 +- 1.6
41	126	2.9	18.5 +- 0.6; 2.8	No Net Data	15.9 +- 1.1
42	111	4.3	22.5 +- 0.7; 3.4	No Net Data	19.2 +- 1.4

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

LIMERICK

For the period 951207-960408

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	14.6 +- 0.8	2
11.26 - 33.75 NNE	14.7 +- 0.0	1
33.76 - 56.25 NE	15.4 +- 0.1	3
56.26 - 78.75 ENE	15.2 +- 0.0	1
78.76 - 101.25 E	15.4 +- 1.1	2
101.26 - 123.75 ESE	16.6 +- 1.2	3
123.76 - 146.25 SE	14.8 +- 1.2	3
146.26 - 168.75 SSE	15.0 +- 0.3	4
168.76 - 191.25 S	14.6 +- 0.1	2
191.26 - 213.75 SSW	14.1 +- 1.5	2
213.76 - 236.25 SW	15.3 +- 0.4	2
236.26 - 258.75 WSW	17.4 +- 0.0	1
258.76 - 281.25 W	13.9 +- 0.6	2
281.26 - 303.75 WNW	15.5 +- 1.1	3
303.76 - 326.25 NW	16.1 +- 2.5	3
326.26 - 348.75 NNW	14.7 +- 1.3	4

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	15.0 +- 0.7	17
2 - 5	15.3 +- 1.5	17
> 5	15.6 +- 1.8	4
Upwind Control	15.4 +- 0.4	3

NRC TLD DOSES FOR LIMERICK AREA

Miles

Legend

Water
Highways

Railroads
Roads

Plant site

MAINE YANKEE

TLD Direct Radiation Environmental Monitoring

For the period 951207-960423 139 Days

Field Time: 79 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	340	1.0	23.0 +- 0.7; 3.5		19.0 +- 0.9; 5.1		18.7 +- 1.6	
2	6	1.4	21.6 +- 0.6; 3.2		17.3 +- 0.9; 4.9		17.6 +- 1.6	
3	23	1.5	20.3 +- 0.6; 3.0		15.9 +- 0.8; 4.8		17.4 +- 1.9	
4	44	1.8	21.9 +- 0.7; 3.3		17.7 +- 0.9; 5.0		17.1 +- 1.8	
5	116	0.5	22.2 +- 0.7; 3.3		18.0 +- 0.9; 5.0		17.0 +- 1.8	
6	168	1.0	21.9 +- 0.7; 3.3		17.6 +- 0.9; 4.9		18.1 +- 1.7	
7	185	1.6	20.6 +- 0.6; 3.1		16.2 +- 0.8; 4.8		16.8 +- 1.6	
8	195	2.3	21.9 +- 0.7; 3.3		17.7 +- 0.9; 5.0		17.7 +- 1.7	
9	209	3.8	21.8 +- 0.7; 3.3		17.6 +- 0.9; 4.9		17.2 +- 1.6	
10	310	1.7	21.5 +- 0.6; 3.2		17.2 +- 0.9; 4.9		17.3 +- 1.8	
11	290	1.8	24.7 +- 0.7; 3.7		20.8 +- 1.0; 5.3		19.9 +- 2.2	
12	275	1.7	22.2 +- 0.7; 3.3		18.0 +- 0.9; 5.0		19.0 +- 1.8	
13	256	1.9	21.1 +- 0.6; 3.2		16.8 +- 0.8; 4.9		17.7 +- 1.9	
14	232	2.5	22.5 +- 0.7; 3.4		18.3 +- 0.9; 5.0		18.8 +- 1.7	
15	227	5.3	22.4 +- 0.7; 3.4		18.3 +- 0.9; 5.0		18.5 +- 2.0	
16	246	4.4	22.4 +- 0.7; 3.4		18.2 +- 0.9; 5.0		19.6 +- 2.2	
17	250	6.6	28.7 +- 0.9; 4.3		25.4 +- 1.1; 5.9		23.8 +- 1.6	
18	268	4.7	22.2 +- 0.7; 3.3		18.0 +- 0.9; 5.0		18.5 +- 1.8	
19	283	4.4	22.5 +- 0.7; 3.4		18.4 +- 0.9; 5.0		18.3 +- 1.6	
20	305	4.7	20.8 +- 0.6; 3.1		16.4 +- 0.8; 4.8		17.7 +- 1.8	
21	300	2.9	22.7 +- 0.7; 3.4		18.6 +- 0.9; 5.1		18.2 +- 1.9	
22	332	2.7	Missing Dosimeter		No Net Data		18.7 +- 2.0	
23	20	3.9	21.4 +- 0.6; 3.2		17.2 +- 0.9; 4.9		18.7 +- 2.0	
24	23	3.0	23.7 +- 0.7; 3.6		19.7 +- 0.9; 5.2		19.1 +- 1.9	
25	42	4.7	22.7 +- 0.7; 3.4		18.6 +- 0.9; 5.1		18.9 +- 2.0	
26	60	15.0	20.2 +- 0.6; 3.0		15.8 +- 0.8; 4.7		17.2 +- 1.9	
27	62	16.0	21.6 +- 0.6; 3.2		17.3 +- 0.9; 4.9		16.2 +- 1.7	
28	63	16.0	21.1 +- 0.6; 3.2		16.8 +- 0.8; 4.9		17.5 +- 1.5	
29	64	2.1	25.7 +- 0.8; 3.9		22.0 +- 1.0; 5.5		19.9 +- 1.8	
30	84	1.5	19.7 +- 0.6; 3.0		15.2 +- 0.8; 4.7		16.9 +- 1.9	
31	115	1.6	22.3 +- 0.7; 3.4		18.2 +- 0.9; 5.0		16.9 +- 1.6	
32	135	2.0	21.2 +- 0.6; 3.2		16.9 +- 0.8; 4.9		16.4 +- 1.9	
33	66	3.5	21.9 +- 0.7; 3.3		17.6 +- 0.9; 4.9		17.8 +- 1.7	
34	97	4.9	24.1 +- 0.7; 3.6		20.2 +- 0.9; 5.2		19.0 +- 1.7	
35	123	4.8	22.2 +- 0.7; 3.3		18.0 +- 0.9; 5.0		18.9 +- 1.9	
36	140	4.9	20.7 +- 0.6; 3.1		16.4 +- 0.8; 4.8		17.2 +- 2.0	
37	151	6.0	21.8 +- 0.7; 3.3		17.5 +- 0.9; 4.9		18.7 +- 2.1	
38	152	4.2	24.4 +- 0.7; 3.7		20.5 +- 0.9; 5.3		19.5 +- 1.8	
39	172	4.9	21.6 +- 0.6; 3.2		17.4 +- 0.9; 4.9		17.6 +- 1.7	
40	156	7.4	23.1 +- 0.7; 3.5		19.1 +- 0.9; 5.1		18.0 +- 1.4	

Transit Dose = 6.4 +- 0.4; 2.9

MAINE YANKEE
For the period 951207-960423

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	17.3 +- 0.0	1
11.26 - 33.75 NNE	17.6 +- 1.9	3
33.76 - 56.25 NE	18.1 +- 0.6	2
56.26 - 78.75 ENE	19.8 +- 3.1	2
78.76 - 101.25 E	17.7 +- 3.5	2
101.26 - 123.75 ESE	18.1 +- 0.1	3
123.76 - 146.25 SE	16.6 +- 0.4	2
146.26 - 168.75 SSE	18.7 +- 1.4	4
168.76 - 191.25 S	16.8 +- 0.8	2
191.26 - 213.75 SSW	17.7 +- 0.1	2
213.76 - 236.25 SW	18.3 +- 0.0	2
236.26 - 258.75 WSW	20.1 +- 4.6	3
258.76 - 281.25 W	18.0 +- 0.0	2
281.26 - 303.75 WNW	19.3 +- 1.4	3
303.76 - 326.25 NW	16.8 +- 0.6	2
326.26 - 348.75 NNW	19.0 +- 0.0	1

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	17.5 +- 1.4	14
2 - 5	18.4 +- 1.4	18
> 5	20.1 +- 3.6	4
Upwind Control	16.6 +- 0.8	3

NRC TLD DOSES FOR MAINE YANKEE AREA

Miles

0 2 4

Legend

Water

Railroads

Plant..site

Highways

Roads

MCGUIRE

TLD Direct Radiation Environmental Monitoring

For the period 951206-960423 140 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	97 0.5	14.7 +- 0.4; 2.2	8.6 +- 0.6; 3.9	13.4 +- 2.4
2	323 1.6	18.6 +- 0.6; 2.8	12.8 +- 0.7; 4.3	16.2 +- 1.7
3	336 1.7	19.5 +- 0.6; 2.9	13.7 +- 0.7; 4.4	17.1 +- 2.4
4	303 2.9	18.2 +- 0.5; 2.7	12.3 +- 0.7; 4.3	15.4 +- 3.2
5	321 3.9	19.1 +- 0.6; 2.9	13.3 +- 0.7; 4.4	15.9 +- 1.6
6	334 3.7	17.9 +- 0.5; 2.7	12.0 +- 0.7; 4.3	15.3 +- 2.1
7	352 3.5	16.6 +- 0.5; 2.5	10.6 +- 0.7; 4.1	13.8 +- 2.3
8	287 2.0	23.5 +- 0.7; 3.5	17.9 +- 0.9; 4.9	17.6 +- 2.7
9	273 1.9	19.3 +- 0.6; 2.9	13.5 +- 0.7; 4.4	15.1 +- 3.0
10	244 1.7	16.1 +- 0.5; 2.4	10.1 +- 0.7; 4.1	14.1 +- 2.2
11	225 2.1	15.2 +- 0.5; 2.3	9.1 +- 0.6; 4.0	13.6 +- 2.3
12	212 3.6	19.1 +- 0.6; 2.9	13.2 +- 0.7; 4.4	15.5 +- 2.2
13	232 4.4	24.0 +- 0.7; 3.6	18.4 +- 0.9; 4.9	21.3 +- 1.9
14	253 3.7	19.4 +- 0.6; 2.9	13.6 +- 0.7; 4.4	18.1 +- 2.3
15	261 4.2	17.6 +- 0.5; 2.6	11.7 +- 0.7; 4.2	14.4 +- 1.9
16	288 4.3	22.2 +- 0.7; 3.3	16.5 +- 0.8; 4.7	21.3 +- 2.2
17	288 17.0	24.5 +- 0.7; 3.7	18.9 +- 0.9; 5.0	22.2 +- 1.9
18	287 2.0	21.6 +- 0.6; 3.2	15.9 +- 0.8; 4.7	20.0 +- 2.7
19	286 17.0	22.0 +- 0.7; 3.3	16.3 +- 0.8; 4.7	21.0 +- 3.4
20	233 18.0	22.8 +- 0.7; 3.4	17.2 +- 0.8; 4.8	21.0 +- 2.1
21	204 10.0	16.9 +- 0.5; 2.5	10.9 +- 0.7; 4.1	15.2 +- 2.2
22	239 9.5	19.0 +- 0.6; 2.9	13.2 +- 0.7; 4.4	16.6 +- 2.2
23	115 4.9	Missing Dosimeter	No Net Data	12.2 +- 2.5
24	132 4.9	15.7 +- 0.5; 2.3	9.6 +- 0.7; 4.0	13.0 +- 1.9
25	156 4.0	12.4 +- 0.4; 1.9	6.2 +- 0.6; 3.7	10.8 +- 2.2
26	175 3.7	16.1 +- 0.5; 2.4	10.1 +- 0.7; 4.1	13.2 +- 1.8
27	198 4.3	19.3 +- 0.6; 2.9	13.4 +- 0.7; 4.4	18.6 +- 2.8
28	169 13.0	15.4 +- 0.5; 2.3	9.4 +- 0.6; 4.0	13.4 +- 2.5
29	155 13.0	16.3 +- 0.5; 2.4	10.3 +- 0.7; 4.1	13.5 +- 2.1
30	146 14.0	15.9 +- 0.5; 2.4	9.9 +- 0.7; 4.1	12.8 +- 2.0
31	143 1.9	14.0 +- 0.4; 2.1	7.9 +- 0.6; 3.9	12.9 +- 3.5
32	155 1.3	15.5 +- 0.5; 2.3	9.5 +- 0.6; 4.0	13.9 +- 2.2
33	178 1.6	15.4 +- 0.5; 2.3	9.4 +- 0.6; 4.0	12.3 +- 2.3
34	108 2.0	15.8 +- 0.5; 2.4	9.8 +- 0.7; 4.0	14.2 +- 2.1
35	93 2.2	14.4 +- 0.4; 2.2	8.3 +- 0.6; 3.9	13.4 +- 2.8
36	68 2.5	16.1 +- 0.5; 2.4	10.1 +- 0.7; 4.1	14.0 +- 2.2
37	82 4.7	14.6 +- 0.4; 2.2	8.6 +- 0.6; 3.9	13.7 +- 2.2
38	64 4.9	16.7 +- 0.5; 2.5	10.7 +- 0.7; 4.1	13.9 +- 2.5
39	42 5.0	17.6 +- 0.5; 2.6	11.7 +- 0.7; 4.2	17.0 +- 3.0
40	26 4.3	17.5 +- 0.5; 2.6	11.6 +- 0.7; 4.2	14.3 +- 2.3
41	42 2.0	Missing Dosimeter	No Net Data	12.2 +- 2.0
42	21 1.6	20.0 +- 0.6; 3.0	14.2 +- 0.8; 4.5	16.2 +- 2.4
43	8 2.6	19.4 +- 0.6; 2.9	13.6 +- 0.7; 4.4	17.2 +- 2.1
44	37 13.0	21.8 +- 0.7; 3.3	16.1 +- 0.8; 4.7	20.4 +- 2.9
45	78 19.0	23.7 +- 0.7; 3.6	18.1 +- 0.9; 4.9	22.7 +- 2.5
46	94 19.0	20.0 +- 0.6; 3.0	14.2 +- 0.8; 4.5	16.9 +- 2.4

Transit Dose = 6.4 +- 0.4; 3.1

MCGUIRE

For the period 951206-960423

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	12.1 +- 2.1	2
11.26 - 33.75 NNE	12.9 +- 1.8	2
33.76 - 56.25 NE	13.9 +- 3.1	2
56.26 - 78.75 ENE	13.0 +- 4.4	3
78.76 - 101.25 E	9.9 +- 2.8	4
101.26 - 123.75 ESE	9.8 +- 0.0	1
123.76 - 146.25 SE	9.2 +- 1.1	3
146.26 - 168.75 SSE	8.7 +- 2.1	3
168.76 - 191.25 S	9.6 +- 0.4	3
191.26 - 213.75 SSW	12.5 +- 1.4	3
213.76 - 236.25 SW	14.9 +- 5.0	3
236.26 - 258.75 WSW	12.3 +- 1.9	3
258.76 - 281.25 W	12.6 +- 1.3	2
281.26 - 303.75 WNW	15.5 +- 2.9	3
303.76 - 326.25 NW	13.0 +- 0.4	2
326.26 - 348.75 NNW	12.8 +- 1.2	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	11.6 +- 3.0	11
2 - 5	11.6 +- 2.8	21
> 5	13.2 +- 3.3	9
Upwind Control	17.0 +- 1.6	3

NRC TLD DOSES FOR McGUIRE AREA

Miles

Legend

Water

--- Railroads

Plant..site

Highways

--- Roads

MILLSTONE

TLD Direct Radiation Environmental Monitoring

For the period 951207-960430 146 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	0 1.0	23.9 +- 0.7; 3.6	18.5 +- 0.8; 4.7	20.1 +- 1.2
2	24 1.3	18.7 +- 0.6; 2.8	13.3 +- 0.7; 4.1	15.0 +- 1.0
3	47 1.5	23.6 +- 0.7; 3.5	18.2 +- 0.8; 4.6	19.8 +- 1.1
4	60 1.7	22.6 +- 0.7; 3.4	17.2 +- 0.8; 4.5	18.2 +- 1.4
5	85 1.3	22.8 +- 0.7; 3.4	17.3 +- 0.8; 4.5	19.2 +- 0.9
6	110 1.8	22.4 +- 0.7; 3.4	17.0 +- 0.8; 4.5	18.8 +- 1.1
7	67 5.3	18.4 +- 0.6; 2.8	13.0 +- 0.7; 4.1	20.0 +- 1.6
8	49 5.3	25.9 +- 0.8; 3.9	20.4 +- 0.9; 4.9	20.1 +- 1.3
9	84 5.2	23.3 +- 0.7; 3.5	17.9 +- 0.8; 4.6	18.1 +- 1.0
11	232 2.5	22.4 +- 0.7; 3.4	17.0 +- 0.8; 4.5	17.8 +- 1.1
12	256 2.4	24.6 +- 0.7; 3.7	19.1 +- 0.8; 4.8	20.1 +- 1.2
13	274 2.2	24.5 +- 0.7; 3.7	19.0 +- 0.8; 4.7	19.9 +- 1.3
14	295 1.9	25.7 +- 0.8; 3.9	20.2 +- 0.9; 4.9	21.2 +- 1.4
15	315 1.5	20.7 +- 0.6; 3.1	15.3 +- 0.7; 4.3	15.8 +- 1.0
16	339 1.2	24.6 +- 0.7; 3.7	19.1 +- 0.8; 4.8	19.9 +- 1.1
17	353 3.5	25.6 +- 0.8; 3.8	20.1 +- 0.8; 4.9	18.9 +- 1.4
18	24 3.5	23.8 +- 0.7; 3.6	18.3 +- 0.8; 4.7	19.7 +- 1.3
19	33 3.0	25.4 +- 0.8; 3.8	19.9 +- 0.8; 4.8	21.0 +- 1.9
20	82 4.0	22.5 +- 0.7; 3.4	17.1 +- 0.8; 4.5	18.0 +- 1.0
22	59 3.7	23.7 +- 0.7; 3.6	18.2 +- 0.8; 4.7	20.4 +- 1.3
28	257 5.8	27.9 +- 0.8; 4.2	22.4 +- 0.9; 5.1	22.1 +- 2.6
29	272 3.7	27.7 +- 0.8; 4.2	22.2 +- 0.9; 5.1	21.7 +- 1.7
30	295 3.5	25.7 +- 0.8; 3.8	20.2 +- 0.9; 4.9	21.2 +- 1.4
31	317 3.6	22.1 +- 0.7; 3.3	16.7 +- 0.8; 4.5	18.4 +- 1.2
32	327 4.3	27.4 +- 0.8; 4.1	21.9 +- 0.9; 5.1	21.6 +- 1.5
33	41 4.7	23.7 +- 0.7; 3.5	18.2 +- 0.8; 4.6	19.8 +- 1.1
34	54 5.5	26.6 +- 0.8; 4.0	21.1 +- 0.9; 5.0	21.0 +- 1.4
37	354 6.8	23.2 +- 0.7; 3.5	17.7 +- 0.8; 4.6	19.3 +- 1.2
39	1 5.7	23.8 +- 0.7; 3.6	18.4 +- 0.8; 4.7	18.8 +- 1.1
40	278 8.7	21.0 +- 0.6; 3.2	15.6 +- 0.7; 4.4	17.0 +- 1.1
41	34 11.0	26.9 +- 0.8; 4.0	21.4 +- 0.9; 5.0	23.9 +- 1.6
42	84 8.0	23.9 +- 0.7; 3.6	18.5 +- 0.8; 4.7	19.2 +- 1.4
46	41 0.6	24.0 +- 0.7; 3.6	18.5 +- 0.8; 4.7	18.7 +- 1.4
48	4 40.0	28.7 +- 0.9; 4.3	23.2 +- 0.9; 5.2	24.4 +- 2.2
49	4 40.0	28.3 +- 0.8; 4.2	22.8 +- 0.9; 5.2	24.4 +- 2.1

Transit Dose = 5.3 +- 0.4; 3.1

MILLSTONE

For the period 951207-960430

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 +- 1.0	4
11.26 - 33.75 NNE	17.2 +- 3.5	3
33.76 - 56.25 NE	19.6 +- 1.5	6
56.26 - 78.75 ENE	16.1 +- 2.7	3
78.76 - 101.25 E	17.7 +- 0.6	4
101.26 - 123.75 ESE	17.0 +- 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	17.0 +- 0.0	1
236.26 - 258.75 WSW	20.8 +- 2.3	2
258.76 - 281.25 W	19.0 +- 3.3	3
281.26 - 303.75 WNW	20.2 +- 0.0	2
303.76 - 326.25 NW	16.0 +- 1.0	2
326.26 - 348.75 NNW	20.5 +- 1.9	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	17.5 +- 2.0	10
2 - 5	19.1 +- 1.8	13
> 5	18.6 +- 2.9	10
Upwind Control	23.0 +- 0.2	2

NRC TLD DOSES FOR MILLSTONE AREA

MONTICELLO

TLD Direct Radiation Environmental Monitoring

For the period 951205-960409 127 Days

Field Time: 91 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	133	3.6	17.7 +- 0.5; 2.6		11.1 +- 0.7; 4.1		16.7 +- 1.2	
2	163	4.6	18.3 +- 0.5; 2.7		11.7 +- 0.7; 4.2		17.5 +- 1.1	
3	183	4.1	18.6 +- 0.6; 2.8		12.0 +- 0.7; 4.2		17.9 +- 1.2	
4	206	4.3	18.3 +- 0.5; 2.7		11.7 +- 0.7; 4.2		17.6 +- 1.1	
5	230	4.2	17.9 +- 0.5; 2.7		11.3 +- 0.7; 4.1		19.1 +- 1.7	
6	253	4.6	18.0 +- 0.5; 2.7		11.4 +- 0.7; 4.1		17.8 +- 1.4	
7	269	4.4	17.3 +- 0.5; 2.6		10.7 +- 0.7; 4.1		17.2 +- 1.3	
8	286	4.0	19.0 +- 0.6; 2.8		12.4 +- 0.7; 4.2		18.1 +- 1.3	
9	274	1.9	17.7 +- 0.5; 2.7		11.2 +- 0.7; 4.1		17.1 +- 1.2	
10	244	1.3	17.4 +- 0.5; 2.6		10.8 +- 0.7; 4.1		15.4 +- 1.2	
11	226	0.9	17.3 +- 0.5; 2.6		10.8 +- 0.7; 4.1		16.9 +- 1.2	
12	181	1.8	18.2 +- 0.5; 2.7		11.6 +- 0.7; 4.2		17.1 +- 1.2	
13	137	1.7	18.0 +- 0.5; 2.7		11.4 +- 0.7; 4.1		17.0 +- 1.2	
14	155	1.0	17.9 +- 0.5; 2.7		11.4 +- 0.7; 4.1		17.2 +- 1.0	
15	208	0.6	17.8 +- 0.5; 2.7		11.2 +- 0.7; 4.1		16.6 +- 1.1	
16	284	2.0	18.3 +- 0.5; 2.7		11.7 +- 0.7; 4.2		16.6 +- 0.9	
17	113	1.6	18.7 +- 0.6; 2.8		12.1 +- 0.7; 4.2		17.2 +- 1.2	
18	85	1.1	17.9 +- 0.5; 2.7		11.3 +- 0.7; 4.1		16.6 +- 1.2	
19	63	1.2	17.8 +- 0.5; 2.7		11.3 +- 0.7; 4.1		16.9 +- 1.3	
20	37	1.7	18.7 +- 0.6; 2.8		12.1 +- 0.7; 4.2		17.0 +- 0.9	
21	23	0.8	18.3 +- 0.6; 2.8		11.8 +- 0.7; 4.2		16.9 +- 1.1	
22	354	0.7	18.8 +- 0.6; 2.8		12.2 +- 0.7; 4.2		17.3 +- 1.2	
23	338	0.8	17.4 +- 0.5; 2.6		10.8 +- 0.7; 4.1		17.1 +- 1.3	
24	307	1.8	17.7 +- 0.5; 2.7		11.1 +- 0.7; 4.1		17.0 +- 1.1	
25	339	4.1	18.7 +- 0.6; 2.8		12.1 +- 0.7; 4.2		16.6 +- 1.2	
26	320	6.0	18.3 +- 0.5; 2.7		11.7 +- 0.7; 4.2		16.9 +- 1.0	
27	354	4.5	17.1 +- 0.5; 2.6		10.5 +- 0.7; 4.1		16.9 +- 1.4	
28	17	3.7	16.8 +- 0.5; 2.5		10.3 +- 0.6; 4.0		15.9 +- 1.2	
29	50	4.0	17.5 +- 0.5; 2.6		10.9 +- 0.7; 4.1		15.8 +- 1.4	
30	77	3.6	18.1 +- 0.5; 2.7		11.5 +- 0.7; 4.1		16.9 +- 1.2	
31	115	3.3	18.2 +- 0.5; 2.7		11.6 +- 0.7; 4.2		16.7 +- 1.1	
32	90	4.6	17.7 +- 0.5; 2.6		11.1 +- 0.7; 4.1		15.7 +- 1.7	
33	323	16.0	17.3 +- 0.5; 2.6		10.7 +- 0.7; 4.1		16.6 +- 1.3	
34	323	16.0	17.0 +- 0.5; 2.6		10.4 +- 0.7; 4.0		16.5 +- 1.1	
35	323	16.0	18.4 +- 0.6; 2.8		11.8 +- 0.7; 4.2		17.3 +- 1.3	

Transit Dose = 6.5 +- 0.4; 3.2

Note: The results for this quarter are significantly below the historical average. Refer to the Preface for an explanation.

MONTICELLO

For the period 951205-960409

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	11.3 +- 1.2	2
11.26 - 33.75 NNE	11.0 +- 1.1	2
33.76 - 56.25 NE	11.5 +- 0.8	2
56.26 - 78.75 ENE	11.4 +- 0.2	2
78.76 - 101.25 E	11.2 +- 0.1	2
101.26 - 123.75 ESE	11.9 +- 0.3	2
123.76 - 146.25 SE	11.2 +- 0.2	2
146.26 - 168.75 SSE	11.5 +- 0.2	2
168.76 - 191.25 S	11.8 +- 0.2	2
191.26 - 213.75 SSW	11.4 +- 0.3	2
213.76 - 236.25 SW	11.0 +- 0.4	2
236.26 - 258.75 WSW	11.1 +- 0.4	2
258.76 - 281.25 W	10.9 +- 0.3	2
281.26 - 303.75 WNW	12.0 +- 0.5	2
303.76 - 326.25 NW	11.4 +- 0.4	2
326.26 - 348.75 NNW	11.5 +- 0.9	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	11.4 +- 0.5	16
2 - 5	11.3 +- 0.6	15
> 5	11.7 +- 0.0	1
Upwind Control	11.0 +- 0.7	3

NRC TLD DOSES FOR MONTICELLO AREA

NORTH ANNA

TLD Direct Radiation Environmental Monitoring

For the period 951206-960416 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	243	1.8	26.0	+- 0.8; 3.9	19.0	+- 0.9; 5.0	21.1	+- 1.3
2	263	1.6	23.6	+- 0.7; 3.5	16.7	+- 0.8; 4.7	17.7	+- 1.1
3	296	1.0	23.4	+- 0.7; 3.5	16.5	+- 0.8; 4.7	17.9	+- 1.2
4	311	1.3	26.7	+- 0.8; 4.0	19.7	+- 0.9; 5.0	22.4	+- 1.2
5	329	1.3	25.5	+- 0.8; 3.8	18.5	+- 0.9; 4.9	18.9	+- 1.1
6	231	3.9	26.4	+- 0.8; 4.0	19.4	+- 0.9; 5.0	20.6	+- 1.2
7	224	1.7	25.4	+- 0.8; 3.8	18.4	+- 0.9; 4.9	20.1	+- 1.2
8	210	1.6	23.9	+- 0.7; 3.6	17.0	+- 0.8; 4.7	18.3	+- 1.2
9	181	1.4	21.4	+- 0.6; 3.2	14.5	+- 0.8; 4.5	16.0	+- 1.0
10	155	1.0	28.6	+- 0.9; 4.3	21.6	+- 0.9; 5.3	23.8	+- 1.4
11	136	1.6	23.9	+- 0.7; 3.6	17.0	+- 0.8; 4.7	18.3	+- 1.5
12	163	3.5	23.9	+- 0.7; 3.6	17.0	+- 0.8; 4.7	19.3	+- 1.1
13	190	3.3	23.7	+- 0.7; 3.5	16.7	+- 0.8; 4.7	17.7	+- 1.1
14	205	4.9	20.8	+- 0.6; 3.1	13.9	+- 0.7; 4.4	16.9	+- 1.0
15	140	4.2	24.4	+- 0.7; 3.7	17.5	+- 0.8; 4.8	19.2	+- 1.1
16	113	4.9	26.9	+- 0.8; 4.0	19.9	+- 0.9; 5.1	22.9	+- 1.4
17	93	3.3	22.3	+- 0.7; 3.3	15.4	+- 0.8; 4.6	16.1	+- 1.0
18	64	4.1	24.2	+- 0.7; 3.6	17.2	+- 0.8; 4.8	19.4	+- 1.1
19	78	2.7	34.9	+- 1.0; 5.2	27.7	+- 1.1; 6.0	28.9	+- 1.2
20	97	1.9	23.9	+- 0.7; 3.6	16.9	+- 0.8; 4.7	20.7	+- 1.6
21	105	1.7	22.8	+- 0.7; 3.4	15.9	+- 0.8; 4.6	16.7	+- 1.1
22	60	2.4	21.8	+- 0.7; 3.3	14.9	+- 0.8; 4.5	17.2	+- 1.0
23	37	1.4	23.3	+- 0.7; 3.5	16.4	+- 0.8; 4.7	19.0	+- 1.3
24	16	1.6	29.6	+- 0.9; 4.4	22.5	+- 1.0; 5.4	24.1	+- 1.2
25	48	3.5	22.3	+- 0.7; 3.3	15.4	+- 0.8; 4.6	15.9	+- 1.8
26	17	3.7	23.9	+- 0.7; 3.6	16.9	+- 0.8; 4.7	19.4	+- 1.2
27	3	4.8	23.0	+- 0.7; 3.5	16.1	+- 0.8; 4.6	17.3	+- 1.2
28	348	4.0	23.1	+- 0.7; 3.5	16.2	+- 0.8; 4.6	17.3	+- 1.1
29	2	1.9	22.6	+- 0.7; 3.4	15.7	+- 0.8; 4.6	16.9	+- 1.0
30	284	5.0	20.6	+- 0.6; 3.1	13.8	+- 0.7; 4.4	17.1	+- 1.3
31	310	4.7	24.9	+- 0.7; 3.7	17.9	+- 0.8; 4.8	20.1	+- 1.2
32	273	4.9	21.1	+- 0.6; 3.2	14.2	+- 0.7; 4.4	14.5	+- 1.6
33	257	5.1	23.5	+- 0.7; 3.5	16.6	+- 0.8; 4.7	18.5	+- 1.4
34	242	7.1	23.0	+- 0.7; 3.4	16.1	+- 0.8; 4.6	19.2	+- 1.4
35	255	11.0	23.3	+- 0.7; 3.5	16.3	+- 0.8; 4.7	18.2	+- 1.6
36	248	15.0	24.4	+- 0.7; 3.7	17.5	+- 0.8; 4.8	18.4	+- 1.2
37	247	17.0	23.0	+- 0.7; 3.4	16.0	+- 0.8; 4.6	17.8	+- 1.1
38	244	19.0	21.8	+- 0.7; 3.3	14.9	+- 0.8; 4.5	16.9	+- 1.5

Transit Dose = 6.6 +- 0.4; 3.2

NORTH ANNA
For the period 951206-960416

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	15.9 +- 0.3	2
11.26 - 33.75 NNE	19.7 +- 4.0	2
33.76 - 56.25 NE	15.9 +- 0.7	2
56.26 - 78.75 ENE	19.9 +- 6.8	3
78.76 - 101.25 E	16.1 +- 1.1	2
101.26 - 123.75 ESE	17.9 +- 2.8	2
123.76 - 146.25 SE	17.2 +- 0.3	2
146.26 - 168.75 SSE	19.3 +- 3.2	2
168.76 - 191.25 S	15.6 +- 1.6	2
191.26 - 213.75 SSW	15.4 +- 2.2	2
213.76 - 236.25 SW	18.9 +- 0.7	2
236.26 - 258.75 WSW	17.0 +- 1.3	4
258.76 - 281.25 W	15.4 +- 1.8	2
281.26 - 303.75 WNW	15.1 +- 1.9	2
303.76 - 326.25 NW	18.8 +- 1.3	2
326.26 - 348.75 NNW	17.3 +- 1.6	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	17.7 +- 2.2	15
2 - 5	17.0 +- 3.2	17
> 5	16.3 +- 0.3	3
Upwind Control	16.1 +- 1.3	3

NRC TLD DOSES FOR NORTH ANNA AREA

OCONEE

TLD Direct Radiation Environmental Monitoring

For the period 951206-960410 127 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	158 7.5	27.3 +- 0.8; 4.1	22.0 +- 0.9; 5.1	22.3 +- 2.0
2	133 4.9	29.0 +- 0.9; 4.4	23.7 +- 1.0; 5.3	25.1 +- 1.7
3	119 4.3	29.4 +- 0.9; 4.4	24.1 +- 1.0; 5.4	24.6 +- 1.5
4	84 4.7	30.9 +- 0.9; 4.6	25.6 +- 1.0; 5.5	24.6 +- 1.2
5	65 4.0	28.8 +- 0.9; 4.3	23.5 +- 0.9; 5.3	23.5 +- 1.6
6	52 1.8	29.0 +- 0.9; 4.3	23.6 +- 0.9; 5.3	24.5 +- 1.7
7	22 3.5	28.9 +- 0.9; 4.3	23.6 +- 0.9; 5.3	25.0 +- 1.4
8	33 1.4	30.3 +- 0.9; 4.5	25.0 +- 1.0; 5.5	24.8 +- 1.5
9	52 1.8	23.5 +- 0.7; 3.5	18.2 +- 0.8; 4.7	19.6 +- 1.3
10	67 1.1	Missing Dosimeter	No Net Data	17.7 +- 2.3
11	107 1.9	22.2 +- 0.7; 3.3	16.9 +- 0.8; 4.5	19.0 +- 1.2
12	87 1.0	26.1 +- 0.8; 3.9	20.7 +- 0.9; 5.0	21.8 +- 1.4
13	142 0.7	27.1 +- 0.8; 4.1	21.8 +- 0.9; 5.1	22.7 +- 1.4
14	166 0.7	21.6 +- 0.6; 3.2	16.3 +- 0.8; 4.5	19.2 +- 2.2
15	226 1.7	25.8 +- 0.8; 3.9	20.5 +- 0.9; 4.9	21.7 +- 1.2
16	207 1.4	27.0 +- 0.8; 4.1	21.7 +- 0.9; 5.1	21.2 +- 1.1
17	182 2.2	22.3 +- 0.7; 3.3	17.0 +- 0.8; 4.5	18.2 +- 1.5
18	186 3.8	24.9 +- 0.7; 3.7	19.6 +- 0.8; 4.8	19.3 +- 1.2
19	155 4.1	Missing Dosimeter	No Net Data	23.7 +- 0.9
20	203 8.4	22.2 +- 0.7; 3.3	16.8 +- 0.8; 4.5	18.0 +- 1.8
21	210 4.6	23.9 +- 0.7; 3.6	18.6 +- 0.8; 4.7	18.9 +- 1.2
22	227 4.8	26.3 +- 0.8; 3.9	21.0 +- 0.9; 5.0	21.6 +- 2.7
23	240 3.6	23.1 +- 0.7; 3.5	17.8 +- 0.8; 4.6	19.7 +- 2.0
24	268 3.6	28.1 +- 0.8; 4.2	22.8 +- 0.9; 5.2	23.7 +- 1.2
25	257 1.9	22.4 +- 0.7; 3.4	17.0 +- 0.8; 4.5	18.7 +- 1.3
26	293 3.6	26.1 +- 0.8; 3.9	20.8 +- 0.9; 5.0	21.0 +- 1.6
27	311 3.5	22.4 +- 0.7; 3.4	17.1 +- 0.8; 4.5	17.7 +- 0.9
28	288 2.0	Missing Dosimeter	No Net Data	19.9 +- 1.4
29	275 1.8	24.6 +- 0.7; 3.7	19.3 +- 0.8; 4.8	18.9 +- 1.0
30	321 1.8	26.9 +- 0.8; 4.0	21.5 +- 0.9; 5.1	21.7 +- 1.3
31	344 2.0	22.5 +- 0.7; 3.4	17.2 +- 0.8; 4.6	17.0 +- 1.3
32	336 3.7	32.9 +- 1.0; 4.9	27.6 +- 1.1; 5.8	25.6 +- 1.8
33	358 4.5	31.0 +- 0.9; 4.6	25.7 +- 1.0; 5.6	21.0 +- 1.5
34	256 9.4	31.2 +- 0.9; 4.7	25.9 +- 1.0; 5.6	27.4 +- 1.6
35	149 21.0	Missing Dosimeter	No Net Data	22.7 +- 1.5
36	126 8.2	29.5 +- 0.9; 4.4	24.2 +- 1.0; 5.4	24.3 +- 1.6
37	96 9.7	30.0 +- 0.9; 4.5	24.7 +- 1.0; 5.4	24.1 +- 1.2
38	32 16.0	34.5 +- 1.0; 5.2	29.2 +- 1.1; 6.0	30.2 +- 2.0
39	31 16.0	28.6 +- 0.9; 4.3	23.3 +- 0.9; 5.3	25.2 +- 1.7
40	29 16.0	32.0 +- 1.0; 4.8	26.7 +- 1.0; 5.7	26.9 +- 1.6

Transit Dose = 5.3 +- 0.4; 3.1

OCONEE

For the period 951206-960410

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	25.7 +- 0.0	1
11.26 - 33.75 NNE	24.3 +- 0.9	2
33.76 - 56.25 NE	20.9 +- 3.8	2
56.26 - 78.75 ENE	23.5 +- 0.0	1
78.76 - 101.25 E	23.7 +- 2.6	3
101.26 - 123.75 ESE	20.5 +- 5.1	2
123.76 - 146.25 SE	23.2 +- 1.3	3
146.26 - 168.75 SSE	19.2 +- 4.0	2
168.76 - 191.25 S	18.3 +- 1.8	2
191.26 - 213.75 SSW	19.1 +- 2.5	3
213.76 - 236.25 SW	20.8 +- 0.4	2
236.26 - 258.75 WSW	20.3 +- 4.9	3
258.76 - 281.25 W	21.0 +- 2.5	2
281.26 - 303.75 WNW	20.8 +- 0.0	1
303.76 - 326.25 NW	19.3 +- 3.2	2
326.26 - 348.75 NNW	22.4 +- 7.3	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	20.0 +- 2.7	13
2 - 5	21.9 +- 3.3	15
> 5	22.7 +- 3.6	5
Upwind Control	26.4 +- 3.0	3

NRC TLD DOSES FOR OCONEE AREA

OYSTER CREEK

TLD Direct Radiation Environmental Monitoring

For the period 951207-960423 139 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	141	0.5	14.0	+-	0.4; 2.1	11.1	+-	0.5; 3.3	11.4	+- 1.1
2	120	0.9	13.1	+-	0.4; 2.0	10.3	+-	0.4; 3.3	11.2	+- 1.0
3	105	1.5	14.4	+-	0.4; 2.2	11.5	+-	0.5; 3.4	12.2	+- 0.7
4	127	1.5	13.8	+-	0.4; 2.1	11.0	+-	0.5; 3.3	11.2	+- 0.7
5	137	1.3	16.0	+-	0.5; 2.4	13.0	+-	0.5; 3.5	11.8	+- 1.1
6	158	1.2	15.2	+-	0.5; 2.3	12.2	+-	0.5; 3.4	11.4	+- 0.6
7	176	2.2	15.8	+-	0.5; 2.4	12.8	+-	0.5; 3.5	12.1	+- 0.9
8	179	1.6	15.4	+-	0.5; 2.3	12.3	+-	0.5; 3.5	11.8	+- 0.7
9	159	2.8	13.3	+-	0.4; 2.0	10.5	+-	0.5; 3.3	10.6	+- 0.7
10	187	8.4	15.2	+-	0.5; 2.3	12.2	+-	0.5; 3.4	11.7	+- 1.0
11	173	4.4	16.3	+-	0.5; 2.4	13.2	+-	0.5; 3.5	11.6	+- 0.8
12	196	4.2	14.9	+-	0.4; 2.2	11.9	+-	0.5; 3.4	11.8	+- 0.8
13	198	8.6	14.1	+-	0.4; 2.1	11.2	+-	0.5; 3.4	10.9	+- 0.6
14	185	10.0	16.0	+-	0.5; 2.4	12.9	+-	0.5; 3.5	13.3	+- 0.9
15	171	11.0	15.0	+-	0.4; 2.2	12.0	+-	0.5; 3.4	11.5	+- 0.9
16	154	8.2	15.2	+-	0.5; 2.3	12.2	+-	0.5; 3.4	11.9	+- 0.8
17	126	6.3	16.7	+-	0.5; 2.5	13.5	+-	0.5; 3.6	12.5	+- 0.9
18	220	4.6	15.9	+-	0.5; 2.4	12.8	+-	0.5; 3.5	11.3	+- 1.0
19	231	2.3	14.3	+-	0.4; 2.1	11.4	+-	0.5; 3.4	11.4	+- 0.7
20	211	1.6	13.7	+-	0.4; 2.1	10.9	+-	0.5; 3.3	10.9	+- 0.6
22	258	1.5	14.6	+-	0.4; 2.2	11.7	+-	0.5; 3.4	11.4	+- 0.7
23	271	1.2	13.5	+-	0.4; 2.0	10.6	+-	0.5; 3.3	10.9	+- 0.8
24	297	1.3	14.4	+-	0.4; 2.2	11.5	+-	0.5; 3.4	11.7	+- 1.0
25	318	1.5	13.6	+-	0.4; 2.0	10.7	+-	0.5; 3.3	10.7	+- 0.7
26	341	3.2	16.5	+-	0.5; 2.5	13.4	+-	0.5; 3.6	13.0	+- 1.1
27	330	4.6	15.7	+-	0.5; 2.4	12.6	+-	0.5; 3.5	11.9	+- 0.9
28	358	3.2	14.7	+-	0.4; 2.2	11.7	+-	0.5; 3.4	11.0	+- 0.6
29	4	1.8	14.1	+-	0.4; 2.1	11.2	+-	0.5; 3.3	11.6	+- 0.7
30	19	0.8	14.6	+-	0.4; 2.2	11.6	+-	0.5; 3.4	11.5	+- 0.6
31	69	1.4	16.2	+-	0.5; 2.4	13.1	+-	0.5; 3.5	12.4	+- 1.4
32	78	2.5	13.8	+-	0.4; 2.1	10.9	+-	0.5; 3.3	10.8	+- 0.8
33	85	2.2	13.9	+-	0.4; 2.1	11.0	+-	0.5; 3.3	10.8	+- 0.9
34	38	1.7	15.3	+-	0.5; 2.3	12.3	+-	0.5; 3.4	11.3	+- 0.5
35	24	1.9	15.0	+-	0.4; 2.2	12.0	+-	0.5; 3.4	12.2	+- 1.0
36	50	3.0	13.8	+-	0.4; 2.1	10.9	+-	0.5; 3.3	12.0	+- 1.3
37	46	4.8	Missing Dosimeter			No Net Data			10.9	+- 1.0
38	27	4.0	16.3	+-	0.5; 2.4	13.2	+-	0.5; 3.5	12.5	+- 0.6
39	12	8.9	Missing Dosimeter			No Net Data			12.2	+- 0.8
40	10	8.7	14.7	+-	0.4; 2.2	11.7	+-	0.5; 3.4	11.1	+- 0.6
41	3	9.9	14.8	+-	0.4; 2.2	11.9	+-	0.5; 3.4	11.9	+- 0.8
42	38	10.0	15.9	+-	0.5; 2.4	12.8	+-	0.5; 3.5	12.1	+- 0.8
43	46	9.1	17.4	+-	0.5; 2.6	14.2	+-	0.5; 3.6	14.2	+- 0.7
44	73	6.5	14.3	+-	0.4; 2.1	11.4	+-	0.5; 3.4	10.9	+- 0.5
45	79	6.0	15.0	+-	0.4; 2.2	12.0	+-	0.5; 3.4	12.2	+- 0.6
46	278	20.0	15.4	+-	0.5; 2.3	12.4	+-	0.5; 3.5	12.4	+- 0.6
47	278	20.0	16.0	+-	0.5; 2.4	12.9	+-	0.5; 3.5	12.5	+- 0.5

Transit Dose = 1.8 +- 0.3; 3.0

OYSTER CREEK
For the period 951207-960423

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 +- 0.3	4
11.26 - 33.75 NNE	12.3 +- 0.8	3
33.76 - 56.25 NE	12.6 +- 1.3	4
56.26 - 78.75 ENE	11.8 +- 1.2	3
78.76 - 101.25 E	11.5 +- 0.7	2
101.26 - 123.75 ESE	10.9 +- 0.8	2
123.76 - 146.25 SE	12.1 +- 1.3	4
146.26 - 168.75 SSE	11.6 +- 1.0	3
168.76 - 191.25 S	12.6 +- 0.5	6
191.26 - 213.75 SSW	11.3 +- 0.5	3
213.76 - 236.25 SW	12.1 +- 1.0	2
236.26 - 258.75 WSW	11.7 +- 0.0	1
258.76 - 281.25 W	10.6 +- 0.0	1
281.26 - 303.75 WNW	11.5 +- 0.0	1
303.76 - 326.25 NW	10.7 +- 0.0	1
326.26 - 348.75 NNW	13.0 +- 0.6	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	11.6 +- 0.8	17
2 - 5	12.0 +- 1.0	13
> 5	12.3 +- 0.9	12
Upwind Control	12.7 +- 0.3	2

NRC TLD DOSES FOR OYSTER CREEK AREA

Miles

Legend

Water

--- Railroads

Plant..site

— Highways

--- Roads

PALISADES

TLD Direct Radiation Environmental Monitoring

For the period 951205-960417 135 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	195	4.9	16.1 +- 0.5; 2.4	11.2 +- 0.6; 3.6	12.9 +- 0.9
2	173	4.6	17.6 +- 0.5; 2.6	12.7 +- 0.6; 3.8	13.2 +- 0.9
3	156	3.9	18.2 +- 0.5; 2.7	13.2 +- 0.6; 3.8	14.5 +- 1.1
4	132	4.6	17.6 +- 0.5; 2.6	12.6 +- 0.6; 3.8	13.6 +- 1.2
5	118	3.3	19.4 +- 0.6; 2.9	14.3 +- 0.6; 3.9	14.5 +- 1.1
6	152	1.8	17.4 +- 0.5; 2.6	12.4 +- 0.6; 3.8	13.1 +- 1.1
7	196	2.2	17.8 +- 0.5; 2.7	12.9 +- 0.6; 3.8	12.8 +- 0.9
8	178	1.6	17.1 +- 0.5; 2.6	12.2 +- 0.6; 3.7	13.7 +- 1.4
9	200	0.9	17.7 +- 0.5; 2.7	12.8 +- 0.6; 3.8	13.3 +- 1.1
10	124	1.8	18.4 +- 0.6; 2.8	13.4 +- 0.6; 3.8	13.4 +- 1.8
11	107	1.6	18.4 +- 0.6; 2.8	13.4 +- 0.6; 3.8	14.1 +- 1.3
12	90	1.5	18.1 +- 0.5; 2.7	13.1 +- 0.6; 3.8	12.8 +- 1.1
13	65	1.7	17.0 +- 0.5; 2.5	12.1 +- 0.6; 3.7	13.6 +- 1.3
14	51	1.9	Missing Dosimeter	No Net Data	13.2 +- 1.0
15	74	3.7	17.7 +- 0.5; 2.6	12.7 +- 0.6; 3.8	12.4 +- 1.2
16	90	3.6	16.8 +- 0.5; 2.5	11.9 +- 0.6; 3.7	12.3 +- 1.4
17	98	10.0	18.9 +- 0.6; 2.8	13.8 +- 0.6; 3.9	14.6 +- 1.1
18	47	4.5	19.8 +- 0.6; 3.0	14.7 +- 0.6; 4.0	15.2 +- 0.9
19	23	1.5	18.5 +- 0.6; 2.8	13.4 +- 0.6; 3.9	12.4 +- 1.3
20	32	4.8	20.1 +- 0.6; 3.0	14.9 +- 0.6; 4.0	15.1 +- 1.4
21	29	7.0	17.6 +- 0.5; 2.6	12.7 +- 0.6; 3.8	14.2 +- 0.8
22	99	15.0	18.8 +- 0.6; 2.8	13.7 +- 0.6; 3.9	14.5 +- 1.0
23	98	18.0	19.1 +- 0.6; 2.9	14.0 +- 0.6; 3.9	14.6 +- 1.0
24	98	18.0	19.0 +- 0.6; 2.8	13.9 +- 0.6; 3.9	14.4 +- 1.0

Transit Dose = 3.8 +- 0.4; 3.2

PALISADES

For the period 951205-960417

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	13.7 +- 1.2	3
33.76 - 56.25 NE	14.7 +- 0.0	1
56.26 - 78.75 ENE	12.4 +- 0.4	2
78.76 - 101.25 E	12.9 +- 0.9	3
101.26 - 123.75 ESE	13.8 +- 0.6	2
123.76 - 146.25 SE	13.0 +- 0.5	2
146.26 - 168.75 SSE	12.8 +- 0.5	2
168.76 - 191.25 S	12.4 +- 0.3	2
191.26 - 213.75 SSW	12.3 +- 0.9	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	12.8 +- 0.5	8
2 - 5	13.1 +- 1.2	10
> 5	13.2 +- 0.8	2
Upwind Control	13.9 +- 0.1	3

NRC TLD DOSES FOR PALISADES AREA

PALO VERDE

TLD Direct Radiation Environmental Monitoring

For the period 951204-960417 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	74 23.0	25.7 +- 0.8; 3.9	21.0 +- 0.8; 4.8	20.0 +- 1.2
2	92 21.0	25.6 +- 0.8; 3.8	20.8 +- 0.8; 4.8	20.6 +- 1.5
3	89 15.0	25.0 +- 0.8; 3.8	20.3 +- 0.8; 4.7	20.2 +- 1.5
4	103 11.0	24.2 +- 0.7; 3.6	19.4 +- 0.8; 4.6	20.1 +- 1.1
5	140 7.4	27.5 +- 0.8; 4.1	22.7 +- 0.9; 5.0	21.6 +- 1.5
6	142 3.1	27.1 +- 0.8; 4.1	22.3 +- 0.9; 5.0	20.7 +- 1.4
7	162 2.6	25.9 +- 0.8; 3.9	21.1 +- 0.8; 4.8	20.6 +- 1.4
8	168 2.6	27.2 +- 0.8; 4.1	22.4 +- 0.9; 5.0	21.0 +- 1.4
9	193 2.6	26.1 +- 0.8; 3.9	21.4 +- 0.8; 4.8	22.1 +- 1.1
10	215 3.1	28.6 +- 0.9; 4.3	23.8 +- 0.9; 5.1	22.2 +- 1.4
11	200 1.7	28.0 +- 0.8; 4.2	23.2 +- 0.9; 5.1	22.3 +- 1.3
12	214 1.0	28.3 +- 0.8; 4.2	23.5 +- 0.9; 5.1	21.6 +- 1.4
13	242 0.7	30.2 +- 0.9; 4.5	25.4 +- 1.0; 5.3	23.5 +- 1.5
14	263 0.6	26.0 +- 0.8; 3.9	21.2 +- 0.8; 4.8	21.9 +- 1.5
15	295 0.6	27.1 +- 0.8; 4.1	22.3 +- 0.9; 5.0	21.6 +- 1.5
16	325 1.0	26.8 +- 0.8; 4.0	22.0 +- 0.9; 4.9	21.5 +- 1.3
17	347 1.8	29.2 +- 0.9; 4.4	24.4 +- 0.9; 5.2	22.5 +- 1.6
18	0 2.4	27.0 +- 0.8; 4.0	22.2 +- 0.9; 4.9	22.6 +- 1.3
19	18 1.5	27.4 +- 0.8; 4.1	22.6 +- 0.9; 5.0	20.3 +- 1.4
20	37 2.0	Damaged Dosimeter	No Net Data	21.4 +- 1.0
21	58 2.3	27.0 +- 0.8; 4.0	22.2 +- 0.9; 4.9	22.1 +- 1.4
22	75 2.8	26.5 +- 0.8; 4.0	21.7 +- 0.9; 4.9	22.9 +- 1.1
23	93 4.4	27.6 +- 0.8; 4.1	22.8 +- 0.9; 5.0	22.1 +- 1.5
24	101 3.3	26.3 +- 0.8; 3.9	21.6 +- 0.8; 4.9	21.9 +- 2.1
25	346 2.9	27.0 +- 0.8; 4.0	22.2 +- 0.9; 4.9	21.8 +- 1.4
26	334 4.3	29.8 +- 0.9; 4.5	25.0 +- 0.9; 5.3	24.3 +- 1.5
27	333 7.9	32.0 +- 1.0; 4.8	27.1 +- 1.0; 5.5	25.2 +- 2.3
28	0 7.0	29.2 +- 0.9; 4.4	24.3 +- 0.9; 5.2	22.6 +- 1.5
29	9 4.2	Damaged Dosimeter	No Net Data	23.6 +- 1.5
30	27 3.6	Missing Dosimeter	No Net Data	23.0 +- 1.5
31	49 3.5	Missing Dosimeter	No Net Data	23.2 +- 1.1
32	120 3.3	Missing Dosimeter	No Net Data	24.0 +- 1.3

Transit Dose = 4.3 +- 0.4; 3.0

PALO VERDE

For the period 951204-960417

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	23.3 +- 1.5	2
11.26 - 33.75 NNE	22.6 +- 0.0	1
33.76 - 56.25 NE	No Data +- No Data	0
56.26 - 78.75 ENE	22.0 +- 0.3	2
78.76 - 101.25 E	22.2 +- 0.9	2
101.26 - 123.75 ESE	19.4 +- 0.0	1
123.76 - 146.25 SE	22.5 +- 0.2	2
146.26 - 168.75 SSE	21.8 +- 0.9	2
168.76 - 191.25 S	No Data +- No Data	0
191.26 - 213.75 SSW	22.3 +- 1.3	2
213.76 - 236.25 SW	23.6 +- 0.2	2
236.26 - 258.75 WSW	25.4 +- 0.0	1
258.76 - 281.25 W	21.2 +- 0.0	1
281.26 - 303.75 WNW	22.3 +- 0.0	1
303.76 - 326.25 NW	22.0 +- 0.0	1
326.26 - 348.75 NNW	24.7 +- 2.0	4

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	23.1 +- 1.3	8
2 - 5	22.4 +- 1.1	12
> 5	23.4 +- 3.2	4
Upwind Control	20.7 +- 0.4	3

NRC TLD DOSES FOR PALO VERDE AREA

PEACH BOTTOM

TLD Direct Radiation Environmental Monitoring

For the period 951207-960408 124 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	330	10.3	21.0 +- 0.6; 3.1	17.9 +- 0.6; 3.9	16.6 +- 1.6
2	33	10.5	18.9 +- 0.6; 2.8	16.0 +- 0.6; 3.7	17.1 +- 0.9
3	21	4.8	18.7 +- 0.6; 2.8	15.8 +- 0.6; 3.7	17.9 +- 1.4
4	3	5.0	18.5 +- 0.6; 2.8	15.6 +- 0.6; 3.7	16.9 +- 1.1
5	344	4.1	18.8 +- 0.6; 2.8	15.9 +- 0.6; 3.7	17.4 +- 1.0
6	1	2.2	21.8 +- 0.7; 3.3	18.7 +- 0.6; 4.0	19.1 +- 1.0
7	26	2.4	18.7 +- 0.6; 2.8	15.8 +- 0.6; 3.7	18.0 +- 0.9
8	55	2.8	19.9 +- 0.6; 3.0	16.9 +- 0.6; 3.8	18.6 +- 1.0
9	42	2.0	19.0 +- 0.6; 2.9	16.1 +- 0.6; 3.8	17.2 +- 0.9
10	62	1.7	19.9 +- 0.6; 3.0	16.9 +- 0.6; 3.8	18.9 +- 2.0
11	96	1.9	21.3 +- 0.6; 3.2	18.2 +- 0.6; 4.0	19.2 +- 1.1
12	105	2.3	16.2 +- 0.5; 2.4	13.6 +- 0.5; 3.5	14.2 +- 0.9
13	72	5.0	19.8 +- 0.6; 3.0	16.8 +- 0.6; 3.8	17.1 +- 0.9
14	85	4.6	20.9 +- 0.6; 3.1	17.9 +- 0.6; 3.9	18.8 +- 1.0
15	109	4.3	22.1 +- 0.7; 3.3	18.9 +- 0.7; 4.1	19.1 +- 1.0
16	130	4.6	15.9 +- 0.5; 2.4	13.3 +- 0.5; 3.5	13.6 +- 0.8
17	157	8.9	18.1 +- 0.5; 2.7	15.3 +- 0.6; 3.7	15.2 +- 1.1
18	163	4.6	18.7 +- 0.6; 2.8	15.8 +- 0.6; 3.7	16.5 +- 0.8
19	183	3.9	Missing Dosimeter	No Net Data	18.9 +- 1.1
20	201	4.8	21.1 +- 0.6; 3.2	18.0 +- 0.6; 3.9	18.8 +- 1.4
21	196	2.3	20.7 +- 0.6; 3.1	17.7 +- 0.6; 3.9	19.3 +- 0.8
22	182	1.7	20.8 +- 0.6; 3.1	17.8 +- 0.6; 3.9	18.8 +- 1.0
23	157	1.8	23.9 +- 0.7; 3.6	20.5 +- 0.7; 4.2	21.6 +- 1.3
24	219	1.8	23.2 +- 0.7; 3.5	19.9 +- 0.7; 4.2	21.0 +- 1.1
25	249	1.7	22.8 +- 0.7; 3.4	19.6 +- 0.7; 4.1	20.0 +- 1.3
26	269	1.8	22.6 +- 0.7; 3.4	19.3 +- 0.7; 4.1	20.6 +- 1.2
27	286	1.9	19.4 +- 0.6; 2.9	16.5 +- 0.6; 3.8	17.7 +- 0.9
28	323	1.8	18.0 +- 0.5; 2.7	15.2 +- 0.6; 3.7	15.9 +- 0.8
29	286	3.6	22.8 +- 0.7; 3.4	19.6 +- 0.7; 4.1	21.2 +- 0.9
30	262	4.0	22.7 +- 0.7; 3.4	19.4 +- 0.7; 4.1	21.2 +- 1.0
31	261	9.9	23.1 +- 0.7; 3.5	19.9 +- 0.7; 4.2	21.2 +- 1.1
32	247	3.2	19.5 +- 0.6; 2.9	16.5 +- 0.6; 3.8	18.4 +- 0.9
33	235	3.6	16.5 +- 0.5; 2.5	13.8 +- 0.5; 3.5	14.0 +- 1.3
34	319	4.9	20.5 +- 0.6; 3.1	17.4 +- 0.6; 3.9	19.6 +- 1.1
35	149	0.7	18.1 +- 0.5; 2.7	15.3 +- 0.6; 3.7	17.6 +- 1.2
36	147	17.9	16.7 +- 0.5; 2.5	14.0 +- 0.5; 3.5	14.2 +- 0.8
37	147	17.9	16.6 +- 0.5; 2.5	13.9 +- 0.5; 3.5	14.6 +- 0.9
38	147	17.9	16.6 +- 0.5; 2.5	14.0 +- 0.5; 3.5	14.5 +- 0.7

Transit Dose = 1.3 +- 0.3; 3.0

PEACH BOTTOM
For the period 951207-960408

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 +- 2.1	2
11.26 - 33.75 NNE	15.9 +- 0.1	3
33.76 - 56.25 NE	16.5 +- 0.6	2
56.26 - 78.75 ENE	16.9 +- 0.1	2
78.76 - 101.25 E	18.0 +- 0.2	2
101.26 - 123.75 ESE	16.2 +- 3.8	2
123.76 - 146.25 SE	13.3 +- 0.0	1
146.26 - 168.75 SSE	16.7 +- 2.5	4
168.76 - 191.25 S	17.8 +- 0.0	1
191.26 - 213.75 SSW	17.8 +- 0.2	2
213.76 - 236.25 SW	16.8 +- 4.3	2
236.26 - 258.75 WSW	18.1 +- 2.1	2
258.76 - 281.25 W	19.5 +- 0.3	3
281.26 - 303.75 WNW	18.0 +- 2.2	2
303.76 - 326.25 NW	16.3 +- 1.6	2
326.26 - 348.75 NNW	16.9 +- 1.4	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	17.7 +- 1.9	11
2 - 5	16.7 +- 1.9	19
> 5	17.3 +- 2.1	4
Upwind Control	13.9 +- 0.0	3

NRC TLD DOSES FOR PEACH BOTTOM AREA

PERRY

TLD Direct Radiation Environmental Monitoring

For the period 951205-960409 127 Days

Field Time: 76 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	18.3 +- 0.5; 2.7	15.2 +- 0.8; 4.5	16.1 +- 1.6
3	88 5.5	18.4 +- 0.6; 2.8	15.3 +- 0.8; 4.5	16.2 +- 1.8
4	112 6.0	18.2 +- 0.5; 2.7	15.1 +- 0.8; 4.5	17.2 +- 1.8
5	130 4.0	17.8 +- 0.5; 2.7	14.7 +- 0.8; 4.5	16.7 +- 1.9
6	155 5.0	21.5 +- 0.6; 3.2	19.0 +- 0.9; 5.0	19.9 +- 1.4
7	178 5.2	19.8 +- 0.6; 3.0	17.0 +- 0.8; 4.7	17.7 +- 1.4
8	205 4.6	17.3 +- 0.5; 2.6	14.0 +- 0.7; 4.4	17.3 +- 3.0
9	220 5.2	18.3 +- 0.5; 2.7	15.2 +- 0.8; 4.5	16.2 +- 1.4
10	225 7.4	18.5 +- 0.6; 2.8	15.5 +- 0.8; 4.6	17.4 +- 1.6
11	240 5.8	21.0 +- 0.6; 3.2	18.5 +- 0.9; 4.9	19.0 +- 1.7
12	225 19.0	17.2 +- 0.5; 2.6	13.9 +- 0.7; 4.4	16.7 +- 2.1
13	225 19.0	16.7 +- 0.5; 2.5	13.3 +- 0.7; 4.3	15.9 +- 1.6
14	212 12.0	23.6 +- 0.7; 3.5	21.5 +- 0.9; 5.2	22.3 +- 1.9
15	248 1.4	17.9 +- 0.5; 2.7	14.7 +- 0.8; 4.5	15.8 +- 1.5
16	225 0.8	17.9 +- 0.5; 2.7	14.7 +- 0.8; 4.5	15.7 +- 1.9
17	205 0.7	16.2 +- 0.5; 2.4	12.7 +- 0.7; 4.3	14.2 +- 1.6
18	180 0.8	17.5 +- 0.5; 2.6	14.2 +- 0.7; 4.4	15.6 +- 1.8
19	152 1.8	17.9 +- 0.5; 2.7	14.7 +- 0.8; 4.5	16.0 +- 1.2
20	123 1.6	16.6 +- 0.5; 2.5	13.2 +- 0.7; 4.3	14.2 +- 1.4
21	105 1.4	22.6 +- 0.7; 3.4	20.3 +- 0.9; 5.1	15.1 +- 1.7
22	85 1.2	17.2 +- 0.5; 2.6	13.9 +- 0.7; 4.4	16.3 +- 2.3
23	65 1.4	18.3 +- 0.5; 2.7	15.2 +- 0.8; 4.5	16.3 +- 1.5
24	40 0.6	18.0 +- 0.5; 2.7	14.9 +- 0.8; 4.5	15.6 +- 1.7
25	40 0.6	17.3 +- 0.5; 2.6	14.1 +- 0.7; 4.4	18.1 +- 3.4
26	182 2.8	18.0 +- 0.5; 2.7	14.8 +- 0.8; 4.5	16.4 +- 2.3
27	175 2.8	Missing Dosimeter	No Net Data	17.2 +- 3.2

Transit Dose = 5.4 +- 0.4; 2.7

PERRY

For the period 951205-960409

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	14.5 +- 0.6	2
56.26 - 78.75 ENE	15.2 +- 0.0	2
78.76 - 101.25 E	14.6 +- 1.0	2
101.26 - 123.75 ESE	16.2 +- 3.7	3
123.76 - 146.25 SE	14.7 +- 0.0	1
146.26 - 168.75 SSE	16.8 +- 3.0	2
168.76 - 191.25 S	15.3 +- 1.4	3
191.26 - 213.75 SSW	13.4 +- 0.9	2
213.76 - 236.25 SW	15.1 +- 0.4	3
236.26 - 258.75 WSW	16.6 +- 2.6	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	14.8 +- 2.0	11
2 - 5	15.5 +- 2.0	5
> 5	16.1 +- 1.4	6
Upwind Control	16.2 +- 4.6	3

NRC TLD DOSES FOR PERRY AREA

PILGRIM

TLD Direct Radiation Environmental Monitoring

For the period 951207-960417 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	288	0.1	148.9	+- 4.5; 22.3	133.8	+- 4.4; 21.9	53.4 +-38.0
2	310	0.2	28.6	+- 0.9; 4.3	17.4	+- 1.0; 5.5	16.3 +- 2.4
5	289	0.7	25.4	+- 0.8; 3.8	14.4	+- 0.9; 5.1	15.9 +- 1.8
6	261	1.7	25.9	+- 0.8; 3.9	14.8	+- 0.9; 5.2	14.2 +- 1.5
7	270	0.5	28.2	+- 0.8; 4.2	17.0	+- 1.0; 5.4	17.9 +- 1.7
8	247	0.3	27.6	+- 0.8; 4.1	16.4	+- 1.0; 5.4	16.6 +- 1.4
9	224	0.3	28.7	+- 0.9; 4.3	17.6	+- 1.0; 5.5	15.0 +- 2.2
10	205	0.3	30.8	+- 0.9; 4.6	19.6	+- 1.0; 5.7	16.2 +- 3.3
11	184	0.3	31.5	+- 0.9; 4.7	20.2	+- 1.1; 5.8	17.4 +- 2.7
12	159	0.4	27.0	+- 0.8; 4.0	15.9	+- 0.9; 5.3	15.4 +- 1.7
13	146	0.7	22.6	+- 0.7; 3.4	11.6	+- 0.8; 4.8	13.1 +- 1.6
14	155	1.0	23.2	+- 0.7; 3.5	12.2	+- 0.9; 4.9	14.4 +- 1.8
16	136	1.3	24.3	+- 0.7; 3.6	13.3	+- 0.9; 5.0	13.4 +- 1.4
18	212	0.8	22.0	+- 0.7; 3.3	11.1	+- 0.8; 4.8	12.8 +- 1.6
19	232	1.0	23.6	+- 0.7; 3.5	12.6	+- 0.9; 4.9	13.7 +- 1.5
21	256	1.6	21.8	+- 0.7; 3.3	10.8	+- 0.8; 4.8	12.5 +- 2.0
22	130	2.5	23.2	+- 0.7; 3.5	12.2	+- 0.9; 4.9	13.4 +- 1.9
23	146	3.4	22.4	+- 0.7; 3.4	11.4	+- 0.8; 4.8	12.9 +- 1.8
25	168	1.5	23.9	+- 0.7; 3.6	12.8	+- 0.9; 5.0	14.0 +- 1.6
26	180	1.3	22.1	+- 0.7; 3.3	11.2	+- 0.8; 4.8	11.8 +- 1.6
27	231	1.8	22.6	+- 0.7; 3.4	11.6	+- 0.8; 4.8	13.2 +- 1.7
30	153	2.2	25.3	+- 0.8; 3.8	14.2	+- 0.9; 5.1	15.9 +- 1.4
31	179	2.5	21.2	+- 0.6; 3.2	10.2	+- 0.8; 4.7	12.5 +- 1.6
32	217	2.6	22.3	+- 0.7; 3.3	11.3	+- 0.8; 4.8	11.9 +- 1.8
33	234	2.5	22.3	+- 0.7; 3.3	11.3	+- 0.8; 4.8	13.2 +- 2.3
34	320	7.5	23.5	+- 0.7; 3.5	12.5	+- 0.9; 4.9	12.9 +- 1.2
35	318	7.0	19.9	+- 0.6; 3.0	9.0	+- 0.8; 4.6	10.7 +- 1.0
37	264	4.2	25.1	+- 0.8; 3.8	14.0	+- 0.9; 5.1	14.1 +- 1.6
38	152	3.5	23.4	+- 0.7; 3.5	12.4	+- 0.9; 4.9	12.4 +- 1.9
39	155	5.3	22.5	+- 0.7; 3.4	11.6	+- 0.8; 4.8	11.3 +- 1.1
40	272	4.6	25.4	+- 0.8; 3.8	14.3	+- 0.9; 5.1	14.9 +- 1.7
42	281	4.6	23.8	+- 0.7; 3.6	12.8	+- 0.9; 5.0	13.0 +- 1.8
43	291	5.8	26.4	+- 0.8; 4.0	15.3	+- 0.9; 5.2	15.5 +- 1.7
45	197	6.0	21.7	+- 0.7; 3.3	10.8	+- 0.8; 4.8	11.8 +- 1.3
47	301	26.0	26.7	+- 0.8; 4.0	15.6	+- 0.9; 5.3	15.2 +- 1.8
48	301	26.0	24.7	+- 0.7; 3.7	13.7	+- 0.9; 5.1	15.9 +- 2.1
49	301	26.0	23.7	+- 0.7; 3.6	12.7	+- 0.9; 5.0	14.4 +- 1.6

Transit Dose = 10.6 +- 0.5; 3.7

PILGRIM

For the period 951207-960417

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	13.2 +- 1.6	6
168.76 - 191.25 S	13.9 +- 5.5	3
191.26 - 213.75 SSW	13.8 +- 5.0	3
213.76 - 236.25 SW	12.9 +- 2.7	5
236.26 - 258.75 WSW	13.6 +- 4.0	2
258.76 - 281.25 W	14.6 +- 1.6	5
281.26 - 303.75 WNW	54.5 +- 68.7	3
303.76 - 326.25 NW	13.0 +- 4.2	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	20.7 +- 27.5	19
2 - 5	12.4 +- 1.4	10
> 5	11.8 +- 2.3	5
Upwind Control	14.0 +- 1.5	3

NRC TLD DOSES FOR PILGRIM AREA

PRAIRIE ISLAND
 TLD Direct Radiation Environmental Monitoring
 For the period 951205-960409 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
1	312	16.5	16.6 +- 0.5; 2.5	9.3 +- 0.7; 4.1	17.1 +- 2.0
2	310	15.0	18.4 +- 0.6; 2.8	11.1 +- 0.7; 4.2	16.6 +- 1.7
3	310	15.0	18.1 +- 0.5; 2.7	10.8 +- 0.7; 4.2	16.6 +- 1.9
4	308	5.5	19.2 +- 0.6; 2.9	11.9 +- 0.7; 4.3	17.4 +- 1.6
5	297	4.1	17.1 +- 0.5; 2.6	9.8 +- 0.7; 4.1	16.1 +- 1.6
6	287	1.3	17.7 +- 0.5; 2.6	10.4 +- 0.7; 4.2	16.3 +- 2.0
7	313	0.8	16.9 +- 0.5; 2.5	9.6 +- 0.7; 4.1	15.0 +- 1.6
8	244	0.5	18.5 +- 0.6; 2.8	11.2 +- 0.7; 4.2	16.2 +- 1.5
9	194	0.6	18.6 +- 0.6; 2.8	11.3 +- 0.7; 4.3	16.7 +- 1.4
10	155	0.5	19.7 +- 0.6; 2.9	12.3 +- 0.7; 4.4	17.5 +- 1.6
11	129	1.6	18.0 +- 0.5; 2.7	10.7 +- 0.7; 4.2	15.6 +- 1.6
12	153	1.4	19.0 +- 0.6; 2.8	11.6 +- 0.7; 4.3	16.2 +- 1.4
13	217	0.6	19.3 +- 0.6; 2.9	12.0 +- 0.7; 4.3	16.8 +- 1.6
14	178	0.8	19.0 +- 0.6; 2.8	11.6 +- 0.7; 4.3	16.7 +- 1.5
15	272	1.9	17.6 +- 0.5; 2.6	10.3 +- 0.7; 4.2	15.6 +- 1.6
16	262	4.6	18.4 +- 0.6; 2.8	11.1 +- 0.7; 4.2	17.9 +- 2.2
17	250	4.3	18.7 +- 0.6; 2.8	11.4 +- 0.7; 4.3	17.4 +- 1.7
18	225	4.1	17.3 +- 0.5; 2.6	10.0 +- 0.7; 4.1	18.0 +- 3.1
19	233	6.7	17.1 +- 0.5; 2.6	9.8 +- 0.7; 4.1	15.3 +- 1.7
20	200	4.9	20.8 +- 0.6; 3.1	13.5 +- 0.8; 4.5	18.9 +- 1.9
21	187	4.7	20.3 +- 0.6; 3.1	13.0 +- 0.7; 4.4	19.5 +- 1.9
22	160	4.4	18.5 +- 0.6; 2.8	11.2 +- 0.7; 4.2	17.5 +- 2.0
23	140	4.7	18.9 +- 0.6; 2.8	11.6 +- 0.7; 4.3	18.1 +- 1.9
24	131	6.6	Damaged Dosimeter	No Net Data	17.7 +- 1.8
25	117	4.9	18.1 +- 0.5; 2.7	10.8 +- 0.7; 4.2	16.4 +- 1.5
26	88	1.9	18.3 +- 0.5; 2.7	10.9 +- 0.7; 4.2	16.7 +- 1.7
27	69	1.8	Damaged Dosimeter	No Net Data	16.6 +- 2.0
28	47	1.6	17.9 +- 0.5; 2.7	10.6 +- 0.7; 4.2	17.0 +- 2.0
29	19	1.5	18.2 +- 0.5; 2.7	10.9 +- 0.7; 4.2	15.9 +- 1.8
30	356	1.9	17.6 +- 0.5; 2.6	10.3 +- 0.7; 4.2	16.2 +- 2.0
31	346	2.4	20.4 +- 0.6; 3.1	13.0 +- 0.7; 4.4	18.6 +- 1.6
32	340	3.8	20.3 +- 0.6; 3.0	12.9 +- 0.7; 4.4	19.0 +- 2.1
33	8	4.6	21.5 +- 0.6; 3.2	14.1 +- 0.8; 4.5	19.4 +- 1.9
34	17	4.7	Damaged Dosimeter	No Net Data	19.0 +- 1.8
35	45	11.0	19.2 +- 0.6; 2.9	11.9 +- 0.7; 4.3	16.9 +- 1.5
36	48	4.7	18.6 +- 0.6; 2.8	11.3 +- 0.7; 4.3	18.9 +- 1.9
37	61	4.2	21.0 +- 0.6; 3.1	13.6 +- 0.8; 4.5	19.1 +- 1.8
38	86	4.9	18.9 +- 0.6; 2.8	11.6 +- 0.7; 4.3	18.7 +- 1.9
39	107	9.1	18.3 +- 0.6; 2.8	11.0 +- 0.7; 4.2	16.5 +- 1.5
40	111	3.7	18.2 +- 0.5; 2.7	10.9 +- 0.7; 4.2	16.3 +- 1.7
46	0	0.0	18.7 +- 0.6; 2.8	11.3 +- 0.7; 4.3	15.8 +- 1.1
47	0	0.0	18.1 +- 0.5; 2.7	10.8 +- 0.7; 4.2	15.9 +- 0.6

Transit Dose = 7.2 +- 0.4; 3.3

Note: The results for this quarter are significantly below the historical average. Refer to the Preface for an explanation.

PRAIRIE ISLAND
For the period 951205-960409

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 +- 1.7	4
11.26 - 33.75 NNE	10.9 +- 0.0	1
33.76 - 56.25 NE	11.3 +- 0.7	3
56.26 - 78.75 ENE	13.6 +- 0.0	1
78.76 - 101.25 E	11.3 +- 0.5	2
101.26 - 123.75 ESE	10.9 +- 0.1	3
123.76 - 146.25 SE	11.2 +- 0.6	2
146.26 - 168.75 SSE	11.7 +- 0.6	3
168.76 - 191.25 S	12.3 +- 1.0	2
191.26 - 213.75 SSW	12.4 +- 1.5	2
213.76 - 236.25 SW	10.6 +- 1.2	3
236.26 - 258.75 WSW	11.3 +- 0.1	2
258.76 - 281.25 W	10.7 +- 0.5	2
281.26 - 303.75 WNW	10.1 +- 0.4	2
303.76 - 326.25 NW	10.7 +- 1.6	2
326.26 - 348.75 NNW	13.0 +- 0.1	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	11.0 +- 0.7	16
2 - 5	11.9 +- 1.3	16
> 5	11.2 +- 1.0	4
Upwind Control	10.4 +- 1.0	3

NRC TLD DOSES FOR PRAIRIE ISLAND AREA

QUAD CITIES

TLD Direct Radiation Environmental Monitoring

For the period 951205-960410 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	3	0.7	15.5 +- 0.5; 2.3	14.2 +- 0.5; 3.5
2	16	1.2	Missing Dosimeter	No Net Data
3	35	1.7	17.1 +- 0.5; 2.6	15.8 +- 0.6; 3.7
4	45	1.1	Missing Dosimeter	No Net Data
5	90	0.8	16.3 +- 0.5; 2.5	15.0 +- 0.5; 3.6
6	138	1.1	17.7 +- 0.5; 2.6	16.3 +- 0.6; 3.7
7	175	1.8	17.5 +- 0.5; 2.6	16.1 +- 0.6; 3.7
8	165	2.0	17.9 +- 0.5; 2.7	16.5 +- 0.6; 3.8
9	186	3.1	18.0 +- 0.5; 2.7	16.7 +- 0.6; 3.8
10	188	7.7	14.1 +- 0.4; 2.1	12.9 +- 0.5; 3.4
11	156	4.2	17.3 +- 0.5; 2.6	15.9 +- 0.6; 3.7
12	142	4.8	18.4 +- 0.6; 2.8	17.0 +- 0.6; 3.8
13	123	3.3	18.0 +- 0.5; 2.7	16.6 +- 0.6; 3.8
14	122	2.0	16.9 +- 0.5; 2.5	15.5 +- 0.6; 3.7
15	86	2.8	18.3 +- 0.6; 2.8	17.0 +- 0.6; 3.8
16	57	4.4	19.0 +- 0.6; 2.8	17.6 +- 0.6; 3.9
17	48	6.1	17.1 +- 0.5; 2.6	15.8 +- 0.6; 3.7
18	39	9.4	17.5 +- 0.5; 2.6	16.2 +- 0.6; 3.7
19	34	4.7	17.3 +- 0.5; 2.6	16.0 +- 0.6; 3.7
20	16	4.3	Damaged Dosimeter	No Net Data
21	352	4.2	20.8 +- 0.6; 3.1	19.4 +- 0.7; 4.1
22	328	4.1	19.6 +- 0.6; 2.9	18.2 +- 0.6; 3.9
23	337	5.7	18.5 +- 0.6; 2.8	17.1 +- 0.6; 3.8
24	310	4.4	19.0 +- 0.6; 2.8	17.6 +- 0.6; 3.9
25	295	4.1	17.9 +- 0.5; 2.7	16.5 +- 0.6; 3.8
26	278	6.9	16.0 +- 0.5; 2.4	14.7 +- 0.5; 3.6
27	260	4.3	16.7 +- 0.5; 2.5	15.3 +- 0.5; 3.6
28	253	4.0	18.0 +- 0.5; 2.7	16.6 +- 0.6; 3.8
29	352	2.8	19.0 +- 0.6; 2.8	17.6 +- 0.6; 3.9
30	335	1.9	18.8 +- 0.6; 2.8	17.5 +- 0.6; 3.9
31	305	2.6	19.0 +- 0.6; 2.8	17.6 +- 0.6; 3.9
32	285	2.5	Missing Dosimeter	No Net Data
33	257	2.0	18.6 +- 0.6; 2.8	17.2 +- 0.6; 3.8
34	248	2.2	18.2 +- 0.5; 2.7	16.8 +- 0.6; 3.8
35	229	2.6	16.8 +- 0.5; 2.5	15.5 +- 0.6; 3.7
36	204	3.4	17.4 +- 0.5; 2.6	16.1 +- 0.6; 3.7
37	194	9.3	19.3 +- 0.6; 2.9	17.9 +- 0.6; 3.9
38	224	4.9	17.8 +- 0.5; 2.7	16.4 +- 0.6; 3.8
39	301	14.0	17.0 +- 0.5; 2.6	15.7 +- 0.6; 3.7
40	301	14.0	17.3 +- 0.5; 2.6	15.9 +- 0.6; 3.7
41	301	14.0	16.5 +- 0.5; 2.5	15.2 +- 0.5; 3.6

Transit Dose = 1.0 +- 0.3; 2.8

QUAD CITIES

For the period 951205-960410

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	17.0 +- 2.6	3
11.26 - 33.75 NNE	No Data +- No Data	0
33.76 - 56.25 NE	15.9 +- 0.2	4
56.26 - 78.75 ENE	17.6 +- 0.0	1
78.76 - 101.25 E	16.0 +- 1.4	2
101.26 - 123.75 ESE	16.1 +- 0.8	2
123.76 - 146.25 SE	16.7 +- 0.5	2
146.26 - 168.75 SSE	16.2 +- 0.4	2
168.76 - 191.25 S	15.2 +- 2.1	3
191.26 - 213.75 SSW	17.0 +- 1.3	2
213.76 - 236.25 SW	16.0 +- 0.7	2
236.26 - 258.75 WSW	16.9 +- 0.3	3
258.76 - 281.25 W	15.0 +- 0.4	2
281.26 - 303.75 WNW	16.5 +- 0.0	1
303.76 - 326.25 NW	17.6 +- 0.0	2
326.26 - 348.75 NNW	17.6 +- 0.6	3

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	16.0 +- 1.0	9
2 - 5	16.9 +- 1.0	19
> 5	15.8 +- 1.8	6
Upwind Control	15.6 +- 0.4	3

NRC TLD DOSES FOR QUAD CITIES AREA

RANCHO SECO

TLD Direct Radiation Environmental Monitoring

For the period 951204-960417 136 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	288	16.0	21.9 +- 0.7; 3.3	17.5 +- 0.8; 4.6	15.9 +- 2.7
2	239	12.0	21.1 +- 0.6; 3.2	16.7 +- 0.8; 4.6	17.4 +- 1.6
3	213	16.0	23.4 +- 0.7; 3.5	19.1 +- 0.8; 4.8	18.8 +- 1.4
4	149	9.9	21.6 +- 0.6; 3.2	17.2 +- 0.8; 4.6	16.0 +- 1.2
5	108	8.2	26.1 +- 0.8; 3.9	22.0 +- 0.9; 5.2	22.5 +- 1.7
6	86	10.0	19.4 +- 0.6; 2.9	14.9 +- 0.7; 4.4	14.2 +- 1.2
7	83	9.7	Damaged Dosimeter	No Net Data	14.4 +- 1.2
8	37	7.1	19.7 +- 0.6; 3.0	15.3 +- 0.7; 4.4	14.6 +- 1.2
9	65	0.8	20.8 +- 0.6; 3.1	16.3 +- 0.8; 4.5	15.8 +- 1.3
10	43	0.7	21.5 +- 0.6; 3.2	17.1 +- 0.8; 4.6	16.7 +- 1.9
11	92	0.2	20.1 +- 0.6; 3.0	15.6 +- 0.7; 4.4	14.8 +- 1.4
12	131	1.6	19.1 +- 0.6; 2.9	14.6 +- 0.7; 4.3	14.2 +- 1.1
13	358	0.6	22.2 +- 0.7; 3.3	17.9 +- 0.8; 4.7	17.6 +- 0.9
14	323	0.7	20.8 +- 0.6; 3.1	16.4 +- 0.8; 4.5	16.1 +- 1.2
15	151	0.7	20.0 +- 0.6; 3.0	15.5 +- 0.7; 4.4	15.2 +- 1.4
16	219	0.9	21.8 +- 0.7; 3.3	17.4 +- 0.8; 4.6	16.2 +- 1.4
17	245	1.5	20.9 +- 0.6; 3.1	16.5 +- 0.8; 4.5	15.6 +- 1.3
18	254	2.3	19.2 +- 0.6; 2.9	14.7 +- 0.7; 4.3	14.9 +- 0.9
19	323	7.0	21.1 +- 0.6; 3.2	16.7 +- 0.8; 4.6	16.4 +- 1.2
20	309	6.3	22.5 +- 0.7; 3.4	18.1 +- 0.8; 4.7	17.0 +- 1.5
21	279	5.7	20.6 +- 0.6; 3.1	16.1 +- 0.8; 4.5	15.8 +- 1.3
22	244	6.4	21.8 +- 0.7; 3.3	17.4 +- 0.8; 4.6	17.1 +- 1.3
23	217	4.6	21.7 +- 0.6; 3.2	17.3 +- 0.8; 4.6	16.0 +- 1.2
24	350	11.0	20.8 +- 0.6; 3.1	16.4 +- 0.8; 4.5	16.1 +- 0.9
25	318	17.0	20.6 +- 0.6; 3.1	16.1 +- 0.8; 4.5	16.6 +- 1.2
26	311	22.0	20.5 +- 0.6; 3.1	16.0 +- 0.8; 4.5	16.4 +- 1.3
27	306	27.0	20.3 +- 0.6; 3.1	15.9 +- 0.8; 4.5	15.3 +- 1.0
28	306	27.0	20.1 +- 0.6; 3.0	15.6 +- 0.7; 4.4	15.6 +- 0.9
29	306	27.0	21.4 +- 0.6; 3.2	17.0 +- 0.8; 4.6	15.4 +- 1.7
30	306	27.0	21.1 +- 0.6; 3.2	16.7 +- 0.8; 4.6	15.3 +- 1.8

Transit Dose = 5.3 +- 0.4; 2.9

RANCHO SECO
For the period 951204-960417

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 +- 1.1	2
11.26 - 33.75 NNE	No Data +- No Data	0
33.76 - 56.25 NE	16.2 +- 1.3	2
56.26 - 78.75 ENE	16.3 +- 0.0	1
78.76 - 101.25 E	15.3 +- 0.5	2
101.26 - 123.75 ESE	22.0 +- 0.0	1
123.76 - 146.25 SE	14.6 +- 0.0	1
146.26 - 168.75 SSE	16.4 +- 1.2	2
168.76 - 191.25 S	No Data +- No Data	0
191.26 - 213.75 SSW	19.1 +- 0.0	1
213.76 - 236.25 SW	17.3 +- 0.1	2
236.26 - 258.75 WSW	16.3 +- 1.2	4
258.76 - 281.25 W	16.1 +- 0.0	1
281.26 - 303.75 WNW	17.5 +- 0.0	1
303.76 - 326.25 NW	16.8 +- 0.7	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	16.4 +- 1.0	9
2 - 5	16.0 +- 1.8	2
> 5	17.1 +- 1.7	15
Upwind Control	15.9 +- 0.2	3

NRC TLD DOSES FOR RANCHO SECO AREA

RIVER BEND

TLD Direct Radiation Environmental Monitoring

For the period 951204-960417 136 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	348	1.3	16.9	+- 0.5; 2.5	14.5	+- 0.5; 3.5	16.8	+- 1.5
2	42	1.1	20.9	+- 0.6; 3.1	18.1	+- 0.6; 3.9	17.5	+- 1.3
3	61	1.1	21.5	+- 0.6; 3.2	18.6	+- 0.6; 4.0	18.4	+- 1.5
4	90	0.8	21.3	+- 0.6; 3.2	18.5	+- 0.6; 4.0	17.4	+- 1.3
5	107	0.6	20.7	+- 0.6; 3.1	17.9	+- 0.6; 3.9	18.2	+- 1.4
6	136	0.8	21.4	+- 0.6; 3.2	18.6	+- 0.6; 4.0	18.6	+- 1.5
7	166	1.0	18.6	+- 0.6; 2.8	16.0	+- 0.6; 3.7	15.4	+- 1.1
8	182	0.9	19.5	+- 0.6; 2.9	16.8	+- 0.6; 3.8	16.4	+- 1.1
9	195	0.6	20.0	+- 0.6; 3.0	17.3	+- 0.6; 3.8	16.4	+- 1.1
10	225	0.7	20.3	+- 0.6; 3.0	17.5	+- 0.6; 3.9	16.9	+- 1.2
11	254	0.4	20.0	+- 0.6; 3.0	17.2	+- 0.6; 3.8	16.6	+- 1.4
12	276	0.6	20.8	+- 0.6; 3.1	18.0	+- 0.6; 3.9	18.0	+- 1.3
13	295	0.6	22.0	+- 0.7; 3.3	19.1	+- 0.7; 4.0	18.6	+- 1.3
14	320	0.9	20.9	+- 0.6; 3.1	18.1	+- 0.6; 3.9	17.2	+- 1.4
15	332	2.1	21.3	+- 0.6; 3.2	18.4	+- 0.6; 4.0	18.3	+- 1.4
16	312	2.7	21.3	+- 0.6; 3.2	18.5	+- 0.6; 4.0	17.1	+- 1.9
17	302	3.1	19.0	+- 0.6; 2.9	16.4	+- 0.6; 3.7	15.5	+- 1.3
18	278	3.8	19.1	+- 0.6; 2.9	16.4	+- 0.6; 3.7	14.9	+- 1.6
19	242	2.8	22.9	+- 0.7; 3.4	19.9	+- 0.7; 4.1	19.0	+- 1.4
20	195	5.4	21.2	+- 0.6; 3.2	18.4	+- 0.6; 4.0	17.1	+- 1.5
21	215	3.0	20.3	+- 0.6; 3.0	17.6	+- 0.6; 3.9	17.7	+- 1.2
22	233	7.1	18.5	+- 0.6; 2.8	15.9	+- 0.6; 3.7	14.6	+- 1.8
23	246	9.7	20.3	+- 0.6; 3.0	17.5	+- 0.6; 3.9	17.3	+- 1.3
24	234	7.3	19.7	+- 0.6; 3.0	17.0	+- 0.6; 3.8	15.3	+- 1.8
25	185	7.6	21.4	+- 0.6; 3.2	18.5	+- 0.6; 4.0	17.6	+- 1.2
26	322	7.7	17.2	+- 0.5; 2.6	14.7	+- 0.5; 3.6	16.4	+- 1.5
27	328	10.0	22.2	+- 0.7; 3.3	19.3	+- 0.7; 4.1	18.3	+- 1.4
28	340	7.2	20.8	+- 0.6; 3.1	18.0	+- 0.6; 3.9	17.8	+- 1.1
29	354	9.5	20.4	+- 0.6; 3.1	17.6	+- 0.6; 3.9	16.8	+- 1.2
30	360	5.1	Missing Dosimeter		No Net Data		18.2	+- 1.3
31	221	6.9	21.0	+- 0.6; 3.1	18.1	+- 0.6; 3.9	18.1	+- 1.3
32	40	4.9	20.0	+- 0.6; 3.0	17.3	+- 0.6; 3.8	17.3	+- 1.2
33	52	8.7	16.6	+- 0.5; 2.5	14.2	+- 0.5; 3.5	14.5	+- 1.3
34	65	8.4	19.6	+- 0.6; 2.9	16.9	+- 0.6; 3.8	16.6	+- 1.2
35	87	6.6	18.2	+- 0.5; 2.7	15.6	+- 0.6; 3.7	15.2	+- 1.1
36	326	5.8	21.5	+- 0.6; 3.2	18.6	+- 0.6; 4.0	17.6	+- 1.4
37	329	22.0	20.0	+- 0.6; 3.0	17.3	+- 0.6; 3.8	17.0	+- 1.1
38	111	3.8	18.1	+- 0.5; 2.7	15.5	+- 0.6; 3.6	16.3	+- 1.3
39	131	5.6	20.5	+- 0.6; 3.1	17.7	+- 0.6; 3.9	17.2	+- 1.1
40	155	6.2	21.0	+- 0.6; 3.1	18.1	+- 0.6; 3.9	17.9	+- 1.3
41	120	9.0	17.8	+- 0.5; 2.7	15.3	+- 0.5; 3.6	16.6	+- 1.6
42	121	11.0	16.9	+- 0.5; 2.5	14.5	+- 0.5; 3.5	14.8	+- 0.9
43	180	1.1	22.1	+- 0.7; 3.3	19.2	+- 0.7; 4.0	18.9	+- 1.2
44	150	28.0	17.4	+- 0.5; 2.6	14.9	+- 0.5; 3.6	14.4	+- 1.2

Transit Dose = 1.0 +- 0.3; 3.0

RIVER BEND

For the period 951204-960417

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	17.6 +- 0.0	1
11.26 - 33.75 NNE	No Data +- No Data	0
33.76 - 56.25 NE	16.5 +- 2.1	3
56.26 - 78.75 ENE	17.7 +- 1.2	2
78.76 - 101.25 E	17.0 +- 2.0	2
101.26 - 123.75 ESE	15.8 +- 1.5	4
123.76 - 146.25 SE	18.1 +- 0.6	2
146.26 - 168.75 SSE	17.1 +- 1.5	2
168.76 - 191.25 S	18.2 +- 1.2	3
191.26 - 213.75 SSW	17.8 +- 0.8	2
213.76 - 236.25 SW	17.2 +- 0.8	5
236.26 - 258.75 WSW	18.2 +- 1.4	3
258.76 - 281.25 W	17.2 +- 1.1	2
281.26 - 303.75 WNW	17.7 +- 1.9	2
303.76 - 326.25 NW	17.5 +- 1.8	4
326.26 - 348.75 NNW	17.5 +- 1.8	5

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	17.7 +- 1.2	15
2 - 5	17.5 +- 1.4	8
> 5	17.0 +- 1.5	19
Upwind Control	14.9 +- 0.0	1

NRC TLD DOSES FOR RIVER BEND AREA

Miles

0 2 4

Legend

Water

Highways

Railroads

Roads

Plant..site

ROBINSON

TLD Direct Radiation Environmental Monitoring

For the period 951206-960410 127 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	191	0.2	18.6 +- 0.6; 2.8	12.7 +- 0.7; 4.3	14.3 +- 1.2
2	151	1.9	26.8 +- 0.8; 4.0	21.2 +- 0.9; 5.3	22.2 +- 1.7
3	134	2.0	24.0 +- 0.7; 3.6	18.3 +- 0.9; 4.9	17.8 +- 1.3
4	119	1.9	20.3 +- 0.6; 3.1	14.5 +- 0.8; 4.5	14.2 +- 0.9
5	89	2.1	23.1 +- 0.7; 3.5	17.4 +- 0.8; 4.8	17.6 +- 1.4
6	65	1.0	21.6 +- 0.6; 3.2	15.8 +- 0.8; 4.7	16.0 +- 1.0
7	46	1.8	22.4 +- 0.7; 3.4	16.6 +- 0.8; 4.7	16.7 +- 1.7
8	27	1.9	21.6 +- 0.6; 3.2	15.8 +- 0.8; 4.7	16.8 +- 1.2
9	22	3.5	22.1 +- 0.7; 3.3	16.4 +- 0.8; 4.7	16.3 +- 1.6
10	0	5.0	23.1 +- 0.7; 3.5	17.4 +- 0.8; 4.8	18.0 +- 1.1
11	51	4.8	24.6 +- 0.7; 3.7	18.9 +- 0.9; 5.0	19.2 +- 1.0
12	67	4.1	19.2 +- 0.6; 2.9	13.3 +- 0.7; 4.4	14.5 +- 1.5
13	87	4.5	22.5 +- 0.7; 3.4	16.7 +- 0.8; 4.8	15.6 +- 1.0
14	109	5.0	23.4 +- 0.7; 3.5	17.7 +- 0.8; 4.9	16.0 +- 1.1
15	118	4.8	22.4 +- 0.7; 3.4	16.7 +- 0.8; 4.8	16.2 +- 2.0
16	138	5.3	21.4 +- 0.6; 3.2	15.6 +- 0.8; 4.6	16.9 +- 1.2
17	115	17.1	22.7 +- 0.7; 3.4	17.0 +- 0.8; 4.8	15.2 +- 1.8
18	199	12.6	21.4 +- 0.6; 3.2	15.6 +- 0.8; 4.6	16.3 +- 0.9
19	208	4.8	27.5 +- 0.8; 4.1	22.0 +- 1.0; 5.4	22.0 +- 2.4
20	225	4.0	24.4 +- 0.7; 3.7	18.7 +- 0.9; 5.0	19.4 +- 1.3
21	178	4.6	17.5 +- 0.5; 2.6	11.5 +- 0.7; 4.2	12.6 +- 1.0
22	167	3.7	21.9 +- 0.7; 3.3	16.1 +- 0.8; 4.7	16.1 +- 1.0
23	181	2.3	Missing Dosimeter	No Net Data	15.3 +- 0.9
24	194	2.0	25.0 +- 0.7; 3.7	19.3 +- 0.9; 5.1	19.0 +- 1.2
25	228	2.1	23.7 +- 0.7; 3.6	18.0 +- 0.9; 4.9	18.3 +- 1.0
26	245	1.5	19.6 +- 0.6; 2.9	13.7 +- 0.7; 4.4	14.3 +- 1.2
27	273	1.8	19.0 +- 0.6; 2.8	13.1 +- 0.7; 4.4	13.5 +- 1.0
28	287	2.0	19.2 +- 0.6; 2.9	13.3 +- 0.7; 4.4	13.4 +- 1.0
29	311	1.6	23.6 +- 0.7; 3.5	18.0 +- 0.9; 4.9	17.4 +- 0.9
30	334	1.9	21.2 +- 0.6; 3.2	15.4 +- 0.8; 4.6	16.2 +- 1.8
31	351	2.1	20.1 +- 0.6; 3.0	14.3 +- 0.8; 4.5	15.2 +- 1.9
32	333	4.0	20.9 +- 0.6; 3.1	15.1 +- 0.8; 4.6	16.3 +- 1.1
33	318	4.7	23.6 +- 0.7; 3.5	18.0 +- 0.9; 4.9	17.7 +- 1.1
34	310	6.9	21.1 +- 0.6; 3.2	15.3 +- 0.8; 4.6	15.5 +- 1.9
35	295	4.0	26.4 +- 0.8; 4.0	20.9 +- 0.9; 5.2	20.8 +- 1.3
36	269	4.8	22.8 +- 0.7; 3.4	17.1 +- 0.8; 4.8	18.4 +- 1.6
37	252	4.6	23.1 +- 0.7; 3.5	17.4 +- 0.8; 4.8	17.2 +- 1.3
38	274	10.7	24.7 +- 0.7; 3.7	19.1 +- 0.9; 5.0	18.8 +- 3.4
39	286	15.3	20.3 +- 0.6; 3.1	14.5 +- 0.8; 4.5	14.8 +- 1.2
40	289	16.5	20.1 +- 0.6; 3.0	14.3 +- 0.8; 4.5	14.1 +- 1.0
41	291	17.5	20.1 +- 0.6; 3.0	14.2 +- 0.8; 4.5	15.1 +- 1.4

Transit Dose = 6.5 +- 0.4; 3.1

ROBINSON

For the period 951206-960410

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	15.8 +- 2.2	2
11.26 - 33.75 NNE	16.1 +- 0.4	2
33.76 - 56.25 NE	17.8 +- 1.6	2
56.26 - 78.75 ENE	14.6 +- 1.8	2
78.76 - 101.25 E	17.1 +- 0.5	2
101.26 - 123.75 ESE	16.5 +- 1.4	4
123.76 - 146.25 SE	17.0 +- 1.9	2
146.26 - 168.75 SSE	18.7 +- 3.6	2
168.76 - 191.25 S	12.1 +- 0.9	2
191.26 - 213.75 SSW	19.0 +- 3.2	3
213.76 - 236.25 SW	18.4 +- 0.5	2
236.26 - 258.75 WSW	15.6 +- 2.6	2
258.76 - 281.25 W	16.4 +- 3.1	3
281.26 - 303.75 WNW	17.1 +- 5.4	2
303.76 - 326.25 NW	17.1 +- 1.5	3
326.26 - 348.75 NNW	15.3 +- 0.2	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	16.0 +- 2.6	13
2 - 5	17.0 +- 2.4	19
> 5	16.5 +- 1.6	5
Upwind Control	14.3 +- 0.1	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 951207-960423 139 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
17	331 4.2	18.9 +- 0.6; 2.8	15.9 +- 0.6; 3.7	16.8 +- 1.8
18	320 3.8	15.5 +- 0.5; 2.3	12.8 +- 0.5; 3.4	13.8 +- 1.0
19	299 3.4	17.0 +- 0.5; 2.5	14.1 +- 0.5; 3.6	15.9 +- 1.2
20	330 9.5	20.5 +- 0.6; 3.1	17.4 +- 0.6; 3.9	19.2 +- 1.1
21	276 3.6	19.5 +- 0.6; 2.9	16.4 +- 0.6; 3.8	18.0 +- 1.2
22	266 4.7	19.2 +- 0.6; 2.9	16.2 +- 0.6; 3.8	17.7 +- 0.6
23	257 4.4	17.7 +- 0.5; 2.7	14.8 +- 0.5; 3.6	17.3 +- 1.1
24	240 4.4	19.8 +- 0.6; 3.0	16.7 +- 0.6; 3.8	17.9 +- 1.0
25	217 4.9	18.1 +- 0.5; 2.7	15.2 +- 0.6; 3.7	17.7 +- 1.2
26	204 3.9	17.3 +- 0.5; 2.6	14.5 +- 0.5; 3.6	16.4 +- 1.1
27	188 4.2	18.5 +- 0.6; 2.8	15.5 +- 0.6; 3.7	19.0 +- 2.3
28	319 18.1	21.2 +- 0.6; 3.2	18.0 +- 0.6; 4.0	19.5 +- 1.7
29	265 6.7	17.6 +- 0.5; 2.6	14.7 +- 0.5; 3.6	14.8 +- 0.9
30	340 12.2	16.8 +- 0.5; 2.5	14.0 +- 0.5; 3.6	14.2 +- 1.1
31	0 18.2	18.6 +- 0.6; 2.8	15.7 +- 0.6; 3.7	17.0 +- 1.0
32	338 8.1	16.6 +- 0.5; 2.5	13.8 +- 0.5; 3.5	15.2 +- 1.1
33	265 9.8	17.5 +- 0.5; 2.6	14.6 +- 0.5; 3.6	17.4 +- 1.1
34	207 11.6	18.4 +- 0.6; 2.8	15.4 +- 0.6; 3.7	16.6 +- 1.1

Transit Dose = 1.4 +- 0.3; 3.0

SALEM (DE)
For the period 951207-960423

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	15.5 +- 0.0	1
191.26 - 213.75 SSW	15.0 +- 0.7	2
213.76 - 236.25 SW	15.2 +- 0.0	1
236.26 - 258.75 WSW	15.8 +- 1.3	2
258.76 - 281.25 W	15.5 +- 0.9	4
281.26 - 303.75 WNW	14.1 +- 0.0	1
303.76 - 326.25 NW	12.8 +- 0.0	1
326.26 - 348.75 NNW	15.7 +- 1.8	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	15.2 +- 1.2	10
> 5	15.2 +- 1.4	5
Upwind Control	15.9 +- 2.0	3

NRC TLD DOSES FOR SALEM — HOPE CREEK AREA

Miles

0 2 4

Legend

Water

Highways

Railroads

Roads

Plant..site

SALEM (NJ)

TLD Direct Radiation Environmental Monitoring

For the period 951207-960423 139 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	87	3.3	17.4 +- 0.5; 2.6	13.8 +- 0.6; 3.6	14.0 +- 0.5
2	79	3.4	17.7 +- 0.5; 2.7	14.1 +- 0.6; 3.7	14.2 +- 0.9
3	72	3.6	19.1 +- 0.6; 2.9	15.4 +- 0.6; 3.8	17.0 +- 2.1
4	58	4.2	17.6 +- 0.5; 2.6	14.0 +- 0.6; 3.7	15.4 +- 1.2
5	54	4.9	16.1 +- 0.5; 2.4	12.7 +- 0.5; 3.5	13.2 +- 0.8
6	68	8.6	14.4 +- 0.4; 2.2	11.1 +- 0.5; 3.4	11.9 +- 0.9
7	40	5.7	17.8 +- 0.5; 2.7	14.2 +- 0.6; 3.7	13.9 +- 0.9
8	116	12.0	16.0 +- 0.5; 2.4	12.5 +- 0.5; 3.5	13.6 +- 0.6
10	8	5.8	18.0 +- 0.5; 2.7	14.4 +- 0.6; 3.7	13.9 +- 0.9
11	15	8.1	16.3 +- 0.5; 2.4	12.8 +- 0.5; 3.6	13.1 +- 0.6
12	24	8.6	16.8 +- 0.5; 2.5	13.3 +- 0.5; 3.6	13.3 +- 0.7
13	49	8.6	15.8 +- 0.5; 2.4	12.3 +- 0.5; 3.5	12.7 +- 0.6
14	90	6.7	14.7 +- 0.4; 2.2	11.4 +- 0.5; 3.4	12.2 +- 0.8
15	105	6.4	15.1 +- 0.5; 2.3	11.7 +- 0.5; 3.5	12.2 +- 0.8

Transit Dose = 2.2 +- 0.3; 3.0

SALEM (NJ)

For the period 951207-960423

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	13.1 +- 0.3	2
33.76 - 56.25 NE	13.1 +- 1.0	3
56.26 - 78.75 ENE	13.5 +- 2.2	3
78.76 - 101.25 E	13.1 +- 1.5	3
101.26 - 123.75 ESE	12.1 +- 0.6	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	14.0 +- 1.0	5
> 5	12.6 +- 1.1	9
Upwind Control	No Data +- No Data	0

NRC TLD DOSES FOR SALEM — HOPE CREEK AREA

SAN ONOFRE

TLD Direct Radiation Environmental Monitoring

For the period 951204-960417 136 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	346	35.0	29.3 +- 0.9; 4.4	22.4 +- 1.0; 5.6	23.5 +- 1.5
2	346	35.0	28.5 +- 0.9; 4.3	21.6 +- 1.0; 5.5	23.0 +- 1.4
3	346	35.0	29.0 +- 0.9; 4.4	22.2 +- 1.0; 5.6	23.2 +- 1.7
4	327	11.0	23.2 +- 0.7; 3.5	16.2 +- 0.9; 4.9	16.6 +- 1.7
5	308	14.0	26.6 +- 0.8; 4.0	19.6 +- 0.9; 5.3	19.4 +- 1.5
6	307	10.0	23.8 +- 0.7; 3.6	16.8 +- 0.9; 5.0	16.9 +- 1.4
7	318	6.3	24.2 +- 0.7; 3.6	17.2 +- 0.9; 5.0	17.5 +- 1.4
8	322	5.1	25.3 +- 0.8; 3.8	18.4 +- 0.9; 5.1	19.3 +- 1.4
9	311	3.3	23.3 +- 0.7; 3.5	16.3 +- 0.9; 4.9	17.4 +- 1.7
10	331	3.3	25.2 +- 0.8; 3.8	18.2 +- 0.9; 5.1	19.5 +- 2.7
11	300	2.6	Missing Dosimeter	No Net Data	19.2 +- 1.5
12	285	0.5	23.3 +- 0.7; 3.5	16.3 +- 0.9; 4.9	20.1 +- 3.1
13	320	2.4	24.9 +- 0.7; 3.7	17.9 +- 0.9; 5.1	17.6 +- 1.8
14	320	1.7	24.5 +- 0.7; 3.7	17.5 +- 0.9; 5.0	17.6 +- 1.6
15	333	1.2	Missing Dosimeter	No Net Data	18.2 +- 1.4
16	30	1.9	26.6 +- 0.8; 4.0	19.7 +- 0.9; 5.3	20.6 +- 1.9
17	8	1.3	21.3 +- 0.6; 3.2	14.2 +- 0.8; 4.7	15.6 +- 1.2
18	39	2.0	27.0 +- 0.8; 4.1	20.1 +- 1.0; 5.3	21.6 +- 1.3
19	55	2.9	22.5 +- 0.7; 3.4	15.4 +- 0.8; 4.8	18.2 +- 1.5
20	77	4.1	26.5 +- 0.8; 4.0	19.6 +- 0.9; 5.3	20.1 +- 1.5
21	87	4.7	27.1 +- 0.8; 4.1	20.2 +- 1.0; 5.4	20.3 +- 1.5
22	25	3.4	25.8 +- 0.8; 3.9	18.9 +- 0.9; 5.2	21.9 +- 1.8
23	357	3.5	25.2 +- 0.8; 3.8	18.2 +- 0.9; 5.1	20.4 +- 2.0
24	25	0.4	23.5 +- 0.7; 3.5	16.5 +- 0.9; 4.9	18.1 +- 1.5
25	81	0.4	23.5 +- 0.7; 3.5	16.5 +- 0.9; 4.9	17.8 +- 2.3
26	126	2.1	21.4 +- 0.6; 3.2	14.3 +- 0.8; 4.7	15.0 +- 1.4
27	130	8.6	21.5 +- 0.6; 3.2	14.4 +- 0.8; 4.7	15.1 +- 1.8
28	99	8.9	21.7 +- 0.7; 3.3	14.6 +- 0.8; 4.7	15.4 +- 2.0
29	135	11.0	22.3 +- 0.7; 3.3	15.2 +- 0.8; 4.8	16.0 +- 1.9
30	126	2.0	Missing Dosimeter	No Net Data	12.3 +- 1.7
31	128	3.7	22.1 +- 0.7; 3.3	15.0 +- 0.8; 4.8	14.6 +- 1.6
32	140	22.0	26.2 +- 0.8; 3.9	19.2 +- 0.9; 5.2	18.8 +- 2.2
33	120	26.0	20.5 +- 0.6; 3.1	13.4 +- 0.8; 4.6	15.2 +- 1.6

Transit Dose = 7.6 +- 0.4; 3.2

SAN ONOFRE

For the period 951204-960417

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 +- 2.9	2
11.26 - 33.75 NNE	18.3 +- 1.6	3
33.76 - 56.25 NE	17.8 +- 3.3	2
56.26 - 78.75 ENE	19.6 +- 0.0	1
78.76 - 101.25 E	17.1 +- 2.9	3
101.26 - 123.75 ESE	13.4 +- 0.0	1
123.76 - 146.25 SE	15.6 +- 2.0	5
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	16.3 +- 0.0	1
303.76 - 326.25 NW	17.7 +- 1.1	7
326.26 - 348.75 NNW	17.2 +- 1.5	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	17.2 +- 2.1	7
2 - 5	17.4 +- 2.0	10
> 5	16.5 +- 2.1	10
Upwind Control	22.1 +- 0.4	3

NRC TLD DOSES FOR SAN ONOFRE AREA

SEABROOK

TLD Direct Radiation Environmental Monitoring

For the period 951207-960408 124 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	154	0.6	Damaged Dosimeter	No Net Data	17.2 +- 2.5
2	178	0.7	18.1 +- 0.5; 2.7	17.7 +- 0.6; 3.7	16.6 +- 2.3
3	207	0.7	17.4 +- 0.5; 2.6	17.0 +- 0.6; 3.7	16.3 +- 2.7
4	224	0.9	17.5 +- 0.5; 2.6	17.1 +- 0.6; 3.7	17.6 +- 2.8
5	243	1.2	17.2 +- 0.5; 2.6	16.9 +- 0.5; 3.6	16.1 +- 2.9
6	294	1.0	17.8 +- 0.5; 2.7	17.4 +- 0.6; 3.7	17.1 +- 2.4
7	267	0.7	Damaged Dosimeter	No Net Data	16.7 +- 2.4
8	320	1.1	16.9 +- 0.5; 2.5	16.5 +- 0.5; 3.6	17.7 +- 2.9
9	329	1.6	19.6 +- 0.6; 2.9	19.2 +- 0.6; 3.9	19.2 +- 2.8
10	357	1.9	18.3 +- 0.5; 2.7	17.9 +- 0.6; 3.7	16.6 +- 2.7
11	18	2.5	15.3 +- 0.5; 2.3	14.9 +- 0.5; 3.4	17.0 +- 2.6
12	46	1.9	18.3 +- 0.5; 2.7	17.9 +- 0.6; 3.7	16.3 +- 2.2
13	83	1.7	17.4 +- 0.5; 2.6	17.0 +- 0.6; 3.7	17.2 +- 2.6
14	43	4.1	18.7 +- 0.6; 2.8	18.3 +- 0.6; 3.8	18.0 +- 2.7
15	358	4.2	Damaged Dosimeter	No Net Data	17.7 +- 2.6
16	18	11.8	18.1 +- 0.5; 2.7	17.7 +- 0.6; 3.7	18.0 +- 2.6
17	321	7.4	21.1 +- 0.6; 3.2	20.6 +- 0.7; 4.0	19.0 +- 3.1
18	291	3.9	19.0 +- 0.6; 2.8	18.6 +- 0.6; 3.8	17.8 +- 2.4
19	267	3.7	18.4 +- 0.6; 2.8	18.0 +- 0.6; 3.8	17.0 +- 2.5
20	251	4.2	19.4 +- 0.6; 2.9	18.9 +- 0.6; 3.9	19.0 +- 3.1
21	228	4.7	16.8 +- 0.5; 2.5	16.4 +- 0.5; 3.6	16.6 +- 2.8
22	209	6.2	19.8 +- 0.6; 3.0	19.4 +- 0.6; 3.9	19.3 +- 2.7
23	187	6.5	19.7 +- 0.6; 3.0	19.2 +- 0.6; 3.9	19.1 +- 2.7
24	163	7.1	17.7 +- 0.5; 2.7	17.3 +- 0.6; 3.7	15.7 +- 2.6
25	174	4.0	15.7 +- 0.5; 2.4	15.3 +- 0.5; 3.5	15.7 +- 2.9
26	157	4.0	17.0 +- 0.5; 2.5	16.6 +- 0.5; 3.6	16.5 +- 2.8
27	136	2.4	16.6 +- 0.5; 2.5	16.2 +- 0.5; 3.6	16.9 +- 2.8
28	118	1.6	17.8 +- 0.5; 2.7	17.4 +- 0.6; 3.7	16.2 +- 2.4
30	67	2.1	20.2 +- 0.6; 3.0	19.8 +- 0.6; 4.0	18.4 +- 2.8
31	335	5.5	18.6 +- 0.6; 2.8	18.2 +- 0.6; 3.8	18.0 +- 2.7
32	318	3.2	20.2 +- 0.6; 3.0	19.7 +- 0.6; 4.0	18.7 +- 3.0
33	230	19.3	Missing Dosimeter	No Net Data	17.3 +- 3.5
34	230	19.3	19.9 +- 0.6; 3.0	19.4 +- 0.6; 3.9	17.9 +- 3.2
35	230	19.3	20.8 +- 0.6; 3.1	20.4 +- 0.6; 4.0	19.1 +- 3.6

Transit Dose = 0.0 +- 0.2; 2.7

SEABROOK

For the period 951207-960408

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 +- 0.0	1
11.26 - 33.75 NNE	16.3 +- 1.9	2
33.76 - 56.25 NE	18.1 +- 0.3	2
56.26 - 78.75 ENE	19.8 +- 0.0	1
78.76 - 101.25 E	17.0 +- 0.0	1
101.26 - 123.75 ESE	17.4 +- 0.0	1
123.76 - 146.25 SE	16.2 +- 0.0	1
146.26 - 168.75 SSE	17.0 +- 0.5	2
168.76 - 191.25 S	17.4 +- 2.0	3
191.26 - 213.75 SSW	18.2 +- 1.7	2
213.76 - 236.25 SW	18.0 +- 2.1	3
236.26 - 258.75 WSW	17.9 +- 1.5	2
258.76 - 281.25 W	18.0 +- 0.0	1
281.26 - 303.75 WNW	18.0 +- 0.8	2
303.76 - 326.25 NW	18.6 +- 2.9	2
326.26 - 348.75 NNW	18.7 +- 0.7	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	17.5 +- 0.7	11
2 - 5	17.3 +- 1.6	10
> 5	19.0 +- 1.3	7
Upwind Control	19.6 +- 0.2	2

NRC TLD DOSES FOR SEABROOK AREA

Miles

Legend

Water

Railroads

Plant..site

— Highways

--- Roads

SEQUOYAH
 TLD Direct Radiation Environmental Monitoring
 For the period 951206-960416 133 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	218 12.0	18.2 +- 0.5; 2.7	16.6 +- 0.7; 4.3	16.9 +- 1.6
2	206 13.0	18.1 +- 0.5; 2.7	16.4 +- 0.7; 4.3	14.6 +- 1.3
3	203 3.9	20.4 +- 0.6; 3.1	19.1 +- 0.8; 4.6	20.3 +- 1.5
4	199 2.0	18.4 +- 0.6; 2.8	16.9 +- 0.7; 4.4	17.2 +- 1.5
5	181 1.4	22.7 +- 0.7; 3.4	21.8 +- 0.9; 4.9	21.1 +- 1.4
6	153 1.5	18.1 +- 0.5; 2.7	16.5 +- 0.7; 4.3	15.7 +- 1.3
7	139 1.9	17.0 +- 0.5; 2.6	15.3 +- 0.7; 4.2	14.9 +- 1.3
8	115 1.8	17.2 +- 0.5; 2.6	15.5 +- 0.7; 4.2	16.2 +- 1.9
9	84 1.6	15.9 +- 0.5; 2.4	13.9 +- 0.7; 4.0	13.9 +- 1.5
10	66 1.3	17.0 +- 0.5; 2.5	15.2 +- 0.7; 4.2	15.6 +- 1.4
11	45 1.5	18.4 +- 0.6; 2.8	16.9 +- 0.7; 4.4	16.7 +- 1.6
12	14 2.0	20.6 +- 0.6; 3.1	19.3 +- 0.8; 4.6	18.8 +- 1.2
13	2 2.1	21.3 +- 0.6; 3.2	20.2 +- 0.8; 4.7	19.1 +- 1.6
14	19 3.9	18.4 +- 0.6; 2.8	16.8 +- 0.7; 4.4	16.1 +- 1.4
15	48 4.0	15.8 +- 0.5; 2.4	13.9 +- 0.7; 4.0	13.6 +- 1.3
16	65 4.9	17.5 +- 0.5; 2.6	15.8 +- 0.7; 4.2	15.9 +- 1.1
17	90 3.9	18.4 +- 0.6; 2.8	16.8 +- 0.7; 4.4	17.2 +- 1.8
18	111 3.4	17.1 +- 0.5; 2.6	15.3 +- 0.7; 4.2	16.2 +- 1.6
19	135 3.4	18.5 +- 0.6; 2.8	16.9 +- 0.7; 4.4	16.4 +- 1.1
20	158 3.4	16.1 +- 0.5; 2.4	14.2 +- 0.7; 4.1	14.8 +- 1.9
21	184 4.6	18.0 +- 0.5; 2.7	16.3 +- 0.7; 4.3	18.9 +- 2.4
22	233 11.0	16.5 +- 0.5; 2.5	14.7 +- 0.7; 4.1	14.7 +- 1.2
23	219 4.9	19.7 +- 0.6; 3.0	18.3 +- 0.8; 4.5	18.2 +- 1.3
24	241 4.3	17.9 +- 0.5; 2.7	16.3 +- 0.7; 4.3	15.7 +- 1.3
25	235 2.0	15.6 +- 0.5; 2.3	13.6 +- 0.6; 4.0	13.4 +- 1.1
26	248 1.5	17.1 +- 0.5; 2.6	15.3 +- 0.7; 4.2	15.7 +- 2.0
27	266 1.2	17.1 +- 0.5; 2.6	15.3 +- 0.7; 4.2	14.9 +- 1.3
28	291 1.2	18.1 +- 0.5; 2.7	16.5 +- 0.7; 4.3	15.9 +- 1.5
29	309 1.2	18.1 +- 0.5; 2.7	16.5 +- 0.7; 4.3	16.2 +- 1.5
30	330 0.5	18.9 +- 0.6; 2.8	17.4 +- 0.7; 4.4	17.0 +- 1.5
31	339 1.8	18.7 +- 0.6; 2.8	17.2 +- 0.7; 4.4	17.1 +- 1.4
32	355 4.9	17.2 +- 0.5; 2.6	15.4 +- 0.7; 4.2	15.0 +- 1.1
33	334 3.6	17.6 +- 0.5; 2.6	15.9 +- 0.7; 4.3	15.0 +- 1.2
34	317 4.4	17.4 +- 0.5; 2.6	15.7 +- 0.7; 4.2	15.9 +- 1.7
35	277 5.6	17.8 +- 0.5; 2.7	16.1 +- 0.7; 4.3	16.5 +- 1.4
36	283 3.6	16.8 +- 0.5; 2.5	15.0 +- 0.7; 4.2	14.5 +- 1.2
37	273 4.4	18.4 +- 0.6; 2.8	16.8 +- 0.7; 4.4	15.5 +- 1.5
38	302 19.0	18.0 +- 0.5; 2.7	16.3 +- 0.7; 4.3	15.5 +- 1.4
39	290 18.0	18.4 +- 0.6; 2.8	16.8 +- 0.7; 4.4	16.5 +- 1.3
40	289 18.0	15.9 +- 0.5; 2.4	13.9 +- 0.7; 4.0	15.0 +- 1.4
41	318 6.1	18.7 +- 0.6; 2.8	17.2 +- 0.7; 4.4	16.0 +- 1.2

Transit Dose = 3.8 +- 0.3; 2.6

SEQUOYAH

For the period 951206-960416

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 +- 3.3	2
11.26 - 33.75 NNE	18.1 +- 1.8	2
33.76 - 56.25 NE	15.4 +- 2.1	2
56.26 - 78.75 ENE	15.5 +- 0.4	2
78.76 - 101.25 E	15.4 +- 2.0	2
101.26 - 123.75 ESE	15.4 +- 0.1	2
123.76 - 146.25 SE	16.1 +- 1.1	2
146.26 - 168.75 SSE	15.3 +- 1.6	2
168.76 - 191.25 S	19.1 +- 3.9	2
191.26 - 213.75 SSW	17.5 +- 1.5	3
213.76 - 236.25 SW	15.8 +- 2.1	4
236.26 - 258.75 WSW	15.8 +- 0.7	2
258.76 - 281.25 W	16.1 +- 0.8	3
281.26 - 303.75 WNW	15.8 +- 1.1	2
303.76 - 326.25 NW	16.4 +- 0.7	3
326.26 - 348.75 NNW	16.8 +- 0.8	3

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	16.4 +- 2.0	16
2 - 5	16.4 +- 1.6	17
> 5	16.2 +- 0.9	5
Upwind Control	15.7 +- 1.6	3

NRC TLD DOSES FOR SEQUOYAH AREA

SOUTH TEXAS

TLD Direct Radiation Environmental Monitoring

For the period 951204-960424 143 Days

Field Time: 94 Days

NRC Sta	Location		Gross			Net Exposure Rate				Hist. Range	
	Azimuth/Dist	(Deg)/(Mi)	Exposure (mR)			(mR/Std. Qtr.)				Net Exp Rate	+1 Std Dev
			+-Rdm; Tot.			+-Rdm; Tot.					
1	90	1.0	20.8	+-	0.6; 3.1	17.0	+-	0.7; 4.1		16.0	+- 1.8
2	63	1.0	21.1	+-	0.6; 3.2	17.4	+-	0.7; 4.2		16.9	+- 1.4
3	40	1.0	20.7	+-	0.6; 3.1	17.0	+-	0.7; 4.1		17.3	+- 1.4
4	19	1.0	21.2	+-	0.6; 3.2	17.4	+-	0.7; 4.2		16.2	+- 1.4
5	4	0.9	21.2	+-	0.6; 3.2	17.5	+-	0.7; 4.2		16.3	+- 1.3
6	339	0.9	21.0	+-	0.6; 3.2	17.3	+-	0.7; 4.1		16.6	+- 1.3
7	318	1.0	20.1	+-	0.6; 3.0	16.4	+-	0.7; 4.0		15.9	+- 1.2
8	294	1.1	22.6	+-	0.7; 3.4	18.8	+-	0.7; 4.3		18.9	+- 1.5
9	267	1.3	23.1	+-	0.7; 3.5	19.3	+-	0.7; 4.4		19.1	+- 1.4
10	126	0.3	19.8	+-	0.6; 3.0	16.2	+-	0.6; 4.0		15.0	+- 1.2
11	180	0.1	19.6	+-	0.6; 2.9	15.9	+-	0.6; 4.0		15.6	+- 1.8
12	257	0.5	19.4	+-	0.6; 2.9	15.8	+-	0.6; 4.0		14.4	+- 1.4
13	262	0.9	18.6	+-	0.6; 2.8	15.0	+-	0.6; 3.9		14.6	+- 1.4
14	250	1.3	18.8	+-	0.6; 2.8	15.2	+-	0.6; 3.9		15.0	+- 1.4
15	227	2.4	18.7	+-	0.6; 2.8	15.1	+-	0.6; 3.9		14.0	+- 1.3
16	210	3.7	18.2	+-	0.5; 2.7	14.6	+-	0.6; 3.9		13.5	+- 1.4
17	175	3.6	18.0	+-	0.5; 2.7	14.4	+-	0.6; 3.8		13.6	+- 1.2
18	158	3.7	18.0	+-	0.5; 2.7	14.4	+-	0.6; 3.8		14.0	+- 1.4
19	143	3.3	17.8	+-	0.5; 2.7	14.2	+-	0.6; 3.8		13.4	+- 1.2
20	122	2.3	19.6	+-	0.6; 2.9	15.9	+-	0.6; 4.0		14.9	+- 1.3
21	121	1.1	20.8	+-	0.6; 3.1	17.1	+-	0.7; 4.1		14.8	+- 1.3
22	257	2.5	Damaged Dosimeter			No Net Data				16.3	+- 1.5
23	262	4.5	22.8	+-	0.7; 3.4	19.0	+-	0.7; 4.3		18.5	+- 1.6
24	282	4.7	21.1	+-	0.6; 3.2	17.4	+-	0.7; 4.2		16.3	+- 1.4
25	304	5.8	20.9	+-	0.6; 3.1	17.2	+-	0.7; 4.1		14.8	+- 1.6
26	242	5.4	21.2	+-	0.6; 3.2	17.5	+-	0.7; 4.2		16.1	+- 1.5
27	223	5.0	21.5	+-	0.6; 3.2	17.7	+-	0.7; 4.2		16.1	+- 1.4
28	236	9.6	18.8	+-	0.6; 2.8	15.2	+-	0.6; 3.9		14.1	+- 1.3
29	259	10.0	19.4	+-	0.6; 2.9	15.7	+-	0.6; 4.0		15.5	+- 1.5
30	291	6.2	20.1	+-	0.6; 3.0	16.4	+-	0.7; 4.1		16.4	+- 1.4
31	323	7.8	21.2	+-	0.6; 3.2	17.4	+-	0.7; 4.2		17.5	+- 3.7
32	335	7.4	25.3	+-	0.8; 3.8	21.4	+-	0.8; 4.6		20.6	+- 1.7
33	351	5.5	19.7	+-	0.6; 3.0	16.1	+-	0.6; 4.0		14.5	+- 1.4
34	88	4.4	19.0	+-	0.6; 2.8	15.3	+-	0.6; 3.9		14.7	+- 1.4
35	89	6.7	18.4	+-	0.6; 2.8	14.8	+-	0.6; 3.9		14.1	+- 1.3
36	121	3.9	17.7	+-	0.5; 2.7	14.1	+-	0.6; 3.8		14.8	+- 1.5
37	145	8.8	18.7	+-	0.6; 2.8	15.1	+-	0.6; 3.9		14.5	+- 1.6
38	297	12.0	18.9	+-	0.6; 2.8	15.3	+-	0.6; 3.9		14.5	+- 1.6
39	321	9.3	21.3	+-	0.6; 3.2	17.6	+-	0.7; 4.2		17.1	+- 1.2
40	353	12.0	19.6	+-	0.6; 2.9	15.9	+-	0.6; 4.0		14.3	+- 1.4
41	13	18.0	20.8	+-	0.6; 3.1	17.1	+-	0.7; 4.1		15.5	+- 1.4
42	21	5.7	20.1	+-	0.6; 3.0	16.4	+-	0.7; 4.1		16.3	+- 1.9
43	39	5.8	21.4	+-	0.6; 3.2	17.6	+-	0.7; 4.2		16.8	+- 1.4
44	53	5.1	19.7	+-	0.6; 2.9	16.0	+-	0.6; 4.0		17.3	+- 2.0
45	69	7.3	17.8	+-	0.5; 2.7	14.3	+-	0.6; 3.8		14.4	+- 1.3
46	66	17.0	23.5	+-	0.7; 3.5	19.7	+-	0.7; 4.4		19.1	+- 1.5

Transit Dose = 3.0 +- 0.3; 3.0

SOUTH TEXAS

For the period 951204-960424

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 +- 1.0	2
11.26 - 33.75 NNE	16.9 +- 0.7	2
33.76 - 56.25 NE	16.9 +- 0.8	3
56.26 - 78.75 ENE	17.1 +- 2.7	3
78.76 - 101.25 E	15.7 +- 1.2	3
101.26 - 123.75 ESE	15.7 +- 1.5	3
123.76 - 146.25 SE	15.1 +- 1.0	3
146.26 - 168.75 SSE	14.4 +- 0.0	1
168.76 - 191.25 S	15.1 +- 1.0	2
191.26 - 213.75 SSW	14.6 +- 0.0	1
213.76 - 236.25 SW	16.0 +- 1.5	3
236.26 - 258.75 WSW	16.1 +- 1.2	3
258.76 - 281.25 W	17.2 +- 2.2	4
281.26 - 303.75 WNW	17.6 +- 1.2	3
303.76 - 326.25 NW	17.1 +- 0.5	4
326.26 - 348.75 NNW	19.4 +- 2.9	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	16.9 +- 1.2	15
2 - 5	15.7 +- 1.7	11
> 5	16.8 +- 1.8	16
Upwind Control	16.1 +- 0.9	3

NRC TLD DOSES FOR SOUTH TEXAS AREA

Miles

Legend

Water

Highways

Roads

Plant..site

ST. LUCIE

TLD Direct Radiation Environmental Monitoring

For the period 951206-960416 133 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	20	0.3	21.1 +- 0.6; 3.2	10.4 +- 0.8; 4.9	13.8 +- 2.1
2	45	0.2	21.6 +- 0.6; 3.2	10.8 +- 0.9; 4.9	14.3 +- 2.3
3	67	0.2	23.7 +- 0.7; 3.6	13.0 +- 0.9; 5.1	15.6 +- 2.9
4	92	0.3	21.2 +- 0.6; 3.2	10.4 +- 0.8; 4.9	13.3 +- 2.3
5	115	0.4	19.9 +- 0.6; 3.0	9.1 +- 0.8; 4.7	12.9 +- 2.2
6	143	1.1	20.0 +- 0.6; 3.0	9.2 +- 0.8; 4.7	11.8 +- 2.1
7	150	2.0	20.8 +- 0.6; 3.1	10.0 +- 0.8; 4.8	11.6 +- 2.1
8	154	4.7	Damaged Dosimeter	No Net Data	12.3 +- 2.4
9	152	23.0	20.7 +- 0.6; 3.1	9.9 +- 0.8; 4.8	12.9 +- 2.3
10	152	23.0	21.8 +- 0.7; 3.3	11.1 +- 0.9; 4.9	13.1 +- 2.0
11	152	23.0	21.7 +- 0.7; 3.3	10.9 +- 0.9; 4.9	14.0 +- 2.4
12	168	14.0	20.9 +- 0.6; 3.1	10.1 +- 0.8; 4.8	12.8 +- 2.1
13	185	10.0	20.8 +- 0.6; 3.1	10.0 +- 0.8; 4.8	12.8 +- 2.3
14	183	11.0	21.3 +- 0.6; 3.2	10.6 +- 0.9; 4.9	14.6 +- 2.4
15	170	8.0	19.6 +- 0.6; 2.9	8.8 +- 0.8; 4.7	12.5 +- 2.2
16	196	7.0	20.7 +- 0.6; 3.1	10.0 +- 0.8; 4.8	12.9 +- 2.2
17	229	7.9	24.6 +- 0.7; 3.7	13.9 +- 0.9; 5.2	15.6 +- 2.8
18	250	6.6	19.2 +- 0.6; 2.9	8.4 +- 0.8; 4.7	11.8 +- 2.3
19	247	4.8	19.6 +- 0.6; 2.9	8.8 +- 0.8; 4.7	12.4 +- 2.3
20	229	5.0	20.4 +- 0.6; 3.1	9.6 +- 0.8; 4.8	12.9 +- 2.1
21	208	3.8	19.8 +- 0.6; 3.0	9.0 +- 0.8; 4.7	12.4 +- 2.4
22	187	3.8	19.7 +- 0.6; 3.0	8.9 +- 0.8; 4.7	12.7 +- 2.3
23	203	2.6	20.1 +- 0.6; 3.0	9.3 +- 0.8; 4.8	13.0 +- 2.3
24	245	1.9	19.9 +- 0.6; 3.0	9.1 +- 0.8; 4.7	12.6 +- 2.4
25	280	2.2	21.6 +- 0.6; 3.2	10.8 +- 0.9; 4.9	13.1 +- 2.4
26	299	3.1	21.7 +- 0.7; 3.3	11.0 +- 0.9; 4.9	13.3 +- 2.2
27	305	3.8	20.6 +- 0.6; 3.1	9.8 +- 0.8; 4.8	12.8 +- 2.3
28	276	4.0	20.9 +- 0.6; 3.1	10.1 +- 0.8; 4.8	12.3 +- 2.2
29	293	5.8	20.5 +- 0.6; 3.1	9.8 +- 0.8; 4.8	12.7 +- 2.3
30	316	7.7	20.6 +- 0.6; 3.1	9.8 +- 0.8; 4.8	12.6 +- 2.4
32	300	11.0	21.3 +- 0.6; 3.2	10.5 +- 0.8; 4.9	13.4 +- 2.3
33	322	8.7	22.3 +- 0.7; 3.4	11.6 +- 0.9; 5.0	14.0 +- 2.2
34	339	8.8	20.5 +- 0.6; 3.1	9.8 +- 0.8; 4.8	13.1 +- 2.1
35	342	2.9	20.9 +- 0.6; 3.1	10.1 +- 0.8; 4.8	12.2 +- 2.1
36	346	1.9	21.5 +- 0.6; 3.2	10.8 +- 0.9; 4.9	13.7 +- 2.3
37	353	1.0	20.0 +- 0.6; 3.0	9.2 +- 0.8; 4.7	12.7 +- 2.5
38	226	2.0	21.0 +- 0.6; 3.2	10.2 +- 0.8; 4.8	12.9 +- 2.3

Transit Dose = 10.9 +- 0.5; 3.6

ST. LUCIE

For the period 951206-960416

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	9.2 +- 0.0	1
11.26 - 33.75 NNE	10.4 +- 0.0	1
33.76 - 56.25 NE	10.8 +- 0.0	1
56.26 - 78.75 ENE	13.0 +- 0.0	1
78.76 - 101.25 E	10.4 +- 0.0	1
101.26 - 123.75 ESE	9.1 +- 0.0	1
123.76 - 146.25 SE	9.2 +- 0.0	1
146.26 - 168.75 SSE	10.1 +- 0.1	2
168.76 - 191.25 S	9.6 +- 0.8	4
191.26 - 213.75 SSW	9.4 +- 0.5	3
213.76 - 236.25 SW	11.3 +- 2.3	3
236.26 - 258.75 WSW	8.8 +- 0.4	3
258.76 - 281.25 W	10.5 +- 0.5	2
281.26 - 303.75 WNW	10.4 +- 0.6	3
303.76 - 326.25 NW	10.4 +- 1.0	3
326.26 - 348.75 NNW	10.2 +- 0.5	3

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	10.2 +- 1.1	11
2 - 5	9.8 +- 0.8	10
> 5	10.3 +- 1.4	12
Upwind Control	10.6 +- 0.6	3

NRC TLD DOSES FOR ST. LUCIE AREA

SUMMER

TLD Direct Radiation Environmental Monitoring

For the period 951206-960410 127 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	199	3.7	27.4	+- 0.8; 4.1	23.5	+- 1.1; 5.8	20.6	+- 2.1
2	111	1.0	27.3	+- 0.8; 4.1	23.4	+- 1.1; 5.8	19.2	+- 2.0
3	340	4.1	29.3	+- 0.9; 4.4	25.7	+- 1.1; 6.1	21.9	+- 2.4
4	192	9.3	27.4	+- 0.8; 4.1	23.5	+- 1.1; 5.8	20.8	+- 1.1
5	72	1.8	28.4	+- 0.9; 4.3	24.7	+- 1.1; 5.9	21.8	+- 2.2
6	54	1.5	28.1	+- 0.8; 4.2	24.3	+- 1.1; 5.9	21.7	+- 1.3
7	46	3.0	33.9	+- 1.0; 5.1	31.0	+- 1.3; 6.7	26.2	+- 2.5
8	31	3.0	34.6	+- 1.0; 5.2	31.8	+- 1.3; 6.9	27.6	+- 2.3
9	13	3.9	30.5	+- 0.9; 4.6	27.1	+- 1.2; 6.2	26.6	+- 1.7
10	7	4.0	31.6	+- 0.9; 4.7	28.4	+- 1.2; 6.4	25.8	+- 1.3
11	349	4.3	31.9	+- 1.0; 4.8	28.7	+- 1.2; 6.5	22.4	+- 2.8
12	323	5.0	27.3	+- 0.8; 4.1	23.4	+- 1.1; 5.8	23.8	+- 2.4
13	333	3.0	29.4	+- 0.9; 4.4	25.8	+- 1.1; 6.1	24.6	+- 1.5
14	255	2.8	26.8	+- 0.8; 4.0	22.8	+- 1.0; 5.7	19.1	+- 2.5
15	308	5.6	Missing Dosimeter		No Net Data		25.4	+- 1.6
16	64	3.5	34.3	+- 1.0; 5.2	31.5	+- 1.3; 6.8	26.8	+- 2.7
17	98	3.1	Missing Dosimeter		No Net Data		22.8	+- 1.4
18	114	3.5	28.0	+- 0.8; 4.2	24.2	+- 1.1; 5.9	22.7	+- 1.3
19	132	2.0	27.3	+- 0.8; 4.1	23.3	+- 1.1; 5.8	20.5	+- 1.3
20	152	4.5	22.2	+- 0.7; 3.3	17.4	+- 0.9; 5.1	13.8	+- 2.3
21	133	4.1	22.8	+- 0.7; 3.4	18.1	+- 0.9; 5.2	15.6	+- 0.9
22	157	2.4	24.9	+- 0.7; 3.7	20.6	+- 1.0; 5.5	17.7	+- 1.4
23	173	2.4	25.0	+- 0.8; 3.8	20.7	+- 1.0; 5.5	19.8	+- 1.6
24	185	3.9	25.0	+- 0.8; 3.8	20.8	+- 1.0; 5.5	18.9	+- 1.5
25	210	3.3	25.8	+- 0.8; 3.9	21.6	+- 1.0; 5.6	18.8	+- 0.9
26	217	3.3	22.6	+- 0.7; 3.4	17.9	+- 0.9; 5.1	17.2	+- 1.3
27	231	3.1	22.0	+- 0.7; 3.3	17.2	+- 0.9; 5.1	14.6	+- 1.5
28	267	2.7	27.8	+- 0.8; 4.2	24.0	+- 1.1; 5.9	21.8	+- 1.4
29	276	3.4	29.8	+- 0.9; 4.5	26.3	+- 1.1; 6.1	23.4	+- 1.2
30	293	3.8	32.2	+- 1.0; 4.8	29.0	+- 1.2; 6.5	24.7	+- 3.9
31	244	3.6	26.3	+- 0.8; 3.9	22.2	+- 1.0; 5.6	20.1	+- 3.4
32	247	6.2	29.6	+- 0.9; 4.4	26.0	+- 1.1; 6.1	23.4	+- 1.7
33	218	9.0	26.8	+- 0.8; 4.0	22.8	+- 1.0; 5.7	20.0	+- 1.2
34	192	9.3	27.7	+- 0.8; 4.2	23.8	+- 1.1; 5.8	20.4	+- 1.0
35	184	14.1	22.6	+- 0.7; 3.4	18.0	+- 0.9; 5.1	15.9	+- 1.0
36	183	14.6	22.0	+- 0.7; 3.3	17.3	+- 0.9; 5.1	14.1	+- 2.3
37	182	14.8	20.8	+- 0.6; 3.1	15.9	+- 0.9; 4.9	13.1	+- 2.4
38	148	20.8	28.5	+- 0.9; 4.3	24.8	+- 1.1; 6.0	20.6	+- 1.6
39	140	25.0	30.0	+- 0.9; 4.5	26.5	+- 1.1; 6.2	22.7	+- 2.2
40	135	23.1	25.5	+- 0.8; 3.8	21.3	+- 1.0; 5.5	19.2	+- 3.0

Transit Dose = 7.0 +- 0.4; 2.9

SUMMER

For the period 951206-960410

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	28.6 +- 0.3	2
11.26 - 33.75 NNE	29.5 +- 3.4	2
33.76 - 56.25 NE	27.6 +- 4.8	2
56.26 - 78.75 ENE	28.1 +- 4.8	2
78.76 - 101.25 E	No Data +- No Data	0
101.26 - 123.75 ESE	23.8 +- 0.6	2
123.76 - 146.25 SE	22.3 +- 3.5	4
146.26 - 168.75 SSE	21.0 +- 3.7	3
168.76 - 191.25 S	20.8 +- 0.0	2
191.26 - 213.75 SSW	23.1 +- 1.0	4
213.76 - 236.25 SW	19.3 +- 3.1	3
236.26 - 258.75 WSW	23.7 +- 2.0	3
258.76 - 281.25 W	25.2 +- 1.6	2
281.26 - 303.75 WNW	29.0 +- 0.0	1
303.76 - 326.25 NW	23.4 +- 0.0	1
326.26 - 348.75 NNW	25.8 +- 0.1	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	23.9 +- 0.7	4
2 - 5	24.2 +- 4.5	24
> 5	24.1 +- 1.8	7
Upwind Control	17.0 +- 1.1	3

NRC TLD DOSES FOR SUMMER AREA

SURRY

TLD Direct Radiation Environmental Monitoring

For the period 951206-960416 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	18 19.0	20.8 +- 0.6; 3.1	14.4 +- 0.7; 4.4	15.6 +- 0.9
2	129 17.0	Missing Dosimeter	No Net Data	16.7 +- 1.3
3	162 17.0	23.4 +- 0.7; 3.5	16.9 +- 0.8; 4.6	15.9 +- 1.4
4	162 17.0	19.4 +- 0.6; 2.9	13.0 +- 0.7; 4.2	13.6 +- 1.1
5	156 5.1	22.4 +- 0.7; 3.4	15.9 +- 0.8; 4.5	17.9 +- 1.1
6	189 4.1	21.4 +- 0.6; 3.2	14.9 +- 0.7; 4.4	14.7 +- 1.0
7	202 2.2	19.1 +- 0.6; 2.9	12.7 +- 0.7; 4.2	15.1 +- 1.2
8	183 1.6	23.2 +- 0.7; 3.5	16.7 +- 0.8; 4.6	17.4 +- 1.0
9	243 0.2	25.6 +- 0.8; 3.8	19.1 +- 0.9; 4.9	20.3 +- 0.9
10	269 0.1	26.9 +- 0.8; 4.0	20.4 +- 0.9; 5.0	22.4 +- 1.5
11	304 0.1	25.0 +- 0.8; 3.8	18.5 +- 0.8; 4.8	22.3 +- 2.7
12	334 0.2	26.7 +- 0.8; 4.0	20.1 +- 0.9; 5.0	22.9 +- 1.6
13	10 1.2	21.2 +- 0.6; 3.2	14.7 +- 0.7; 4.4	16.3 +- 1.1
14	21 2.0	20.8 +- 0.6; 3.1	14.4 +- 0.7; 4.4	16.7 +- 1.1
15	203 4.5	20.9 +- 0.6; 3.1	14.5 +- 0.7; 4.4	15.4 +- 1.0
16	224 3.7	19.3 +- 0.6; 2.9	12.9 +- 0.7; 4.2	14.3 +- 0.8
17	212 2.0	22.1 +- 0.7; 3.3	15.6 +- 0.8; 4.5	17.3 +- 0.9
18	248 5.1	20.9 +- 0.6; 3.1	14.4 +- 0.7; 4.4	14.8 +- 1.1
19	259 8.1	21.1 +- 0.6; 3.2	14.6 +- 0.7; 4.4	15.5 +- 2.0
20	285 5.0	15.3 +- 0.5; 2.3	9.0 +- 0.6; 3.8	10.7 +- 1.4
21	270 4.1	Missing Dosimeter	No Net Data	18.6 +- 1.2
22	123 12.0	24.6 +- 0.7; 3.7	18.1 +- 0.8; 4.8	20.6 +- 2.5
23	102 11.0	24.8 +- 0.7; 3.7	18.3 +- 0.8; 4.8	22.4 +- 1.8
24	106 4.9	22.8 +- 0.7; 3.4	16.3 +- 0.8; 4.6	17.7 +- 0.9
25	90 5.2	21.8 +- 0.7; 3.3	15.3 +- 0.8; 4.5	17.0 +- 0.9
26	69 5.1	25.5 +- 0.8; 3.8	19.0 +- 0.8; 4.9	21.2 +- 1.1
27	23 5.3	23.9 +- 0.7; 3.6	17.4 +- 0.8; 4.7	18.4 +- 1.1
28	49 5.0	24.0 +- 0.7; 3.6	17.5 +- 0.8; 4.7	18.5 +- 1.1
29	7 6.8	21.1 +- 0.6; 3.2	14.7 +- 0.7; 4.4	17.5 +- 1.3
30	359 6.5	19.9 +- 0.6; 3.0	13.5 +- 0.7; 4.3	15.7 +- 1.0
31	1 4.6	18.9 +- 0.6; 2.8	12.5 +- 0.7; 4.2	13.4 +- 2.1
32	332 3.8	21.4 +- 0.6; 3.2	15.0 +- 0.7; 4.4	16.5 +- 1.2
33	314 5.4	21.7 +- 0.7; 3.3	15.3 +- 0.8; 4.5	17.5 +- 1.0
34	308 6.4	21.1 +- 0.6; 3.2	14.7 +- 0.7; 4.4	16.2 +- 1.6
35	348 5.3	20.1 +- 0.6; 3.0	13.7 +- 0.7; 4.3	15.5 +- 0.9
36	343 15.0	22.1 +- 0.7; 3.3	15.7 +- 0.8; 4.5	16.7 +- 1.1
37	340 15.0	19.5 +- 0.6; 2.9	13.1 +- 0.7; 4.2	14.3 +- 1.0
38	339 16.0	23.4 +- 0.7; 3.5	16.9 +- 0.8; 4.6	16.6 +- 2.2
39	153 1.9	23.3 +- 0.7; 3.5	16.8 +- 0.8; 4.6	18.7 +- 1.1
40	144 2.1	29.2 +- 0.9; 4.4	22.6 +- 0.9; 5.3	16.7 +- 2.6

Transit Dose = 6.1 +- 0.4; 3.2

SURRY

For the period 951206-960416

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	13.8 +- 1.1	4
11.26 - 33.75 NNE	15.4 +- 1.7	3
33.76 - 56.25 NE	17.5 +- 0.0	1
56.26 - 78.75 ENE	19.0 +- 0.0	1
78.76 - 101.25 E	15.3 +- 0.0	1
101.26 - 123.75 ESE	17.6 +- 1.1	3
123.76 - 146.25 SE	22.6 +- 0.0	1
146.26 - 168.75 SSE	15.7 +- 1.8	4
168.76 - 191.25 S	15.8 +- 1.2	2
191.26 - 213.75 SSW	14.3 +- 1.5	3
213.76 - 236.25 SW	12.9 +- 0.0	1
236.26 - 258.75 WSW	16.8 +- 3.3	2
258.76 - 281.25 W	17.5 +- 4.1	2
281.26 - 303.75 WNW	9.0 +- 0.0	1
303.76 - 326.25 NW	16.2 +- 2.1	3
326.26 - 348.75 NNW	16.3 +- 3.4	3

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	17.4 +- 2.3	9
2 - 5	14.8 +- 3.6	10
> 5	15.6 +- 1.8	16
Upwind Control	15.2 +- 1.9	3

NRC TLD DOSES FOR SURRY AREA

Miles

Legend

Water

--- Railroads

Plant..site

— Highways

--- Roads

SUSQUEHANNA

TLD Direct Radiation Environmental Monitoring

For the period 951207-960408 124 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	21.0 +- 0.6; 3.2	17.9 +- 0.7; 4.2	18.7 +- 1.2
2	358 1.4	21.6 +- 0.6; 3.2	18.5 +- 0.7; 4.2	19.2 +- 1.0
3	332 1.6	19.4 +- 0.6; 2.9	16.3 +- 0.6; 4.0	17.7 +- 1.1
4	315 1.8	19.1 +- 0.6; 2.9	16.0 +- 0.6; 4.0	17.5 +- 1.1
5	287 1.7	19.9 +- 0.6; 3.0	16.8 +- 0.7; 4.1	19.1 +- 1.4
6	270 1.3	20.3 +- 0.6; 3.1	17.2 +- 0.7; 4.1	18.6 +- 1.2
7	239 1.8	20.7 +- 0.6; 3.1	17.5 +- 0.7; 4.1	17.9 +- 1.3
8	217 2.0	23.1 +- 0.7; 3.5	19.9 +- 0.7; 4.4	21.2 +- 1.4
9	201 1.5	20.4 +- 0.6; 3.1	17.2 +- 0.7; 4.1	19.0 +- 1.4
10	185 1.3	19.8 +- 0.6; 3.0	16.6 +- 0.7; 4.0	17.2 +- 1.3
11	243 5.1	21.4 +- 0.6; 3.2	18.2 +- 0.7; 4.2	19.1 +- 1.0
12	252 4.6	20.3 +- 0.6; 3.0	17.1 +- 0.7; 4.1	18.1 +- 1.0
13	274 3.4	24.5 +- 0.7; 3.7	21.3 +- 0.8; 4.6	21.2 +- 1.4
14	286 3.6	22.3 +- 0.7; 3.3	19.1 +- 0.7; 4.3	19.6 +- 1.1
15	1 3.9	22.5 +- 0.7; 3.4	19.4 +- 0.7; 4.4	20.4 +- 1.5
16	334 4.1	23.8 +- 0.7; 3.6	20.6 +- 0.8; 4.5	19.5 +- 1.2
17	312 4.4	21.4 +- 0.6; 3.2	18.2 +- 0.7; 4.2	18.8 +- 1.3
18	33 5.0	Damaged Dosimeter	No Net Data	19.4 +- 1.3
19	45 9.9	23.0 +- 0.7; 3.5	19.8 +- 0.7; 4.4	19.8 +- 1.1
20	65 4.7	22.8 +- 0.7; 3.4	19.6 +- 0.7; 4.4	20.9 +- 1.3
21	43 3.3	21.3 +- 0.6; 3.2	18.2 +- 0.7; 4.2	21.2 +- 1.4
22	33 0.9	21.9 +- 0.7; 3.3	18.8 +- 0.7; 4.3	18.6 +- 1.9
23	57 1.2	20.8 +- 0.6; 3.1	17.6 +- 0.7; 4.2	17.6 +- 1.2
24	87 1.4	21.7 +- 0.6; 3.2	18.5 +- 0.7; 4.3	19.2 +- 1.2
25	111 1.4	Missing Dosimeter	No Net Data	18.8 +- 1.2
26	137 1.5	21.0 +- 0.6; 3.1	17.8 +- 0.7; 4.2	18.8 +- 1.2
27	152 1.5	23.1 +- 0.7; 3.5	19.9 +- 0.7; 4.4	19.7 +- 1.0
28	107 3.6	23.0 +- 0.7; 3.5	19.8 +- 0.7; 4.4	20.6 +- 1.3
29	99 4.3	23.0 +- 0.7; 3.5	19.8 +- 0.7; 4.4	20.2 +- 1.0
30	138 3.6	22.9 +- 0.7; 3.4	19.7 +- 0.7; 4.4	20.4 +- 1.2
31	162 3.4	24.0 +- 0.7; 3.6	20.7 +- 0.8; 4.5	22.0 +- 1.4
32	176 3.5	23.7 +- 0.7; 3.6	20.5 +- 0.8; 4.5	20.6 +- 1.4
33	192 3.2	22.6 +- 0.7; 3.4	19.4 +- 0.7; 4.4	21.1 +- 1.3
34	231 4.4	Missing Dosimeter	No Net Data	19.7 +- 1.1
35	134 12.3	21.0 +- 0.6; 3.1	17.8 +- 0.7; 4.2	19.7 +- 1.6
36	114 13.5	23.7 +- 0.7; 3.6	20.5 +- 0.8; 4.5	21.9 +- 1.5
37	150 15.6	20.3 +- 0.6; 3.0	17.1 +- 0.7; 4.1	19.0 +- 1.4

Transit Dose = 2.8 +- 0.3; 2.9

SUSQUEHANNA

For the period 951207-960408

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	18.9 +- 0.6	2
11.26 - 33.75 NNE	18.3 +- 0.6	2
33.76 - 56.25 NE	19.0 +- 1.2	2
56.26 - 78.75 ENE	18.6 +- 1.4	2
78.76 - 101.25 E	19.2 +- 0.9	2
101.26 - 123.75 ESE	19.8 +- 0.0	1
123.76 - 146.25 SE	18.8 +- 1.3	2
146.26 - 168.75 SSE	20.3 +- 0.6	2
168.76 - 191.25 S	18.6 +- 2.8	2
191.26 - 213.75 SSW	18.3 +- 1.5	2
213.76 - 236.25 SW	19.9 +- 0.0	1
236.26 - 258.75 WSW	17.6 +- 0.6	3
258.76 - 281.25 W	19.3 +- 2.9	2
281.26 - 303.75 WNW	17.9 +- 1.6	2
303.76 - 326.25 NW	17.1 +- 1.6	2
326.26 - 348.75 NNW	18.5 +- 3.0	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	17.8 +- 1.2	15
2 - 5	19.5 +- 1.1	14
> 5	19.0 +- 1.2	2
Upwind Control	18.5 +- 1.8	3

NRC TLD DOSES FOR SUSQUEHANNA AREA

Miles

Legend

Water

Highways

Railroads

Roads

Plant..site

THREE MILE ISLAND
 TLD Direct Radiation Environmental Monitoring
 For the period 951207-960408 124 Days
 Field Time: 108 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	15.3	+- 0.5; 3.5	16.0	+- 1.4	
2	102	3.9	20.0	+- 0.6; 3.0	16.7	+- 0.5; 3.6	18.2	+- 2.0	
3	110	2.7	14.5	+- 0.4; 2.2	12.1	+- 0.4; 3.2	13.6	+- 2.6	
4	162	1.8	17.5	+- 0.5; 2.6	14.6	+- 0.5; 3.4	15.6	+- 1.6	
5	161	2.3	17.8	+- 0.5; 2.7	14.8	+- 0.5; 3.4	15.2	+- 1.7	
6	152	1.1	18.1	+- 0.5; 2.7	15.1	+- 0.5; 3.4	16.0	+- 1.7	
7	123	0.5	16.7	+- 0.5; 2.5	13.9	+- 0.5; 3.3	14.0	+- 1.6	
8	87	0.4	16.1	+- 0.5; 2.4	13.4	+- 0.4; 3.3	16.3	+- 1.9	
9	61	0.5	15.8	+- 0.5; 2.4	13.2	+- 0.4; 3.3	15.0	+- 1.6	
10	1	1.7	17.1	+- 0.5; 2.6	14.2	+- 0.5; 3.4	15.2	+- 1.9	
11	27	0.8	16.7	+- 0.5; 2.5	14.0	+- 0.5; 3.3	15.1	+- 1.7	
12	48	1.0	17.8	+- 0.5; 2.7	14.8	+- 0.5; 3.4	15.5	+- 1.7	
13	19	2.0	16.8	+- 0.5; 2.5	14.0	+- 0.5; 3.3	15.7	+- 1.8	
14	358	2.4	16.9	+- 0.5; 2.5	14.1	+- 0.5; 3.3	14.3	+- 1.9	
15	132	9.0	21.4	+- 0.6; 3.2	17.8	+- 0.6; 3.7	18.1	+- 1.9	
16	0	3.0	16.6	+- 0.5; 2.5	13.8	+- 0.5; 3.3	14.2	+- 1.8	
18	347	3.5	Missing Dosimeter		No Net Data		18.3	+- 1.8	
19	343	3.1	18.9	+- 0.6; 2.8	15.8	+- 0.5; 3.5	16.6	+- 1.7	
20	318	5.0	19.2	+- 0.6; 2.9	16.0	+- 0.5; 3.5	15.4	+- 1.8	
21	348	2.7	15.4	+- 0.5; 2.3	12.8	+- 0.4; 3.2	12.3	+- 1.7	
22	17	3.1	18.6	+- 0.6; 2.8	15.5	+- 0.5; 3.5	15.8	+- 1.8	
23	64	3.7	16.3	+- 0.5; 2.4	13.6	+- 0.5; 3.3	12.8	+- 1.6	
24	44	3.6	19.6	+- 0.6; 2.9	16.3	+- 0.5; 3.6	16.7	+- 1.8	
25 *	327	0.4	22.1	+- 0.7; 3.3	18.4	+- 0.6; 3.8	12.6	+- 2.7	
27	7	7.1	22.1	+- 0.7; 3.3	18.4	+- 0.6; 3.8	20.3	+- 1.9	
29 *	293	0.4	28.7	+- 0.9; 4.3	23.9	+- 0.7; 4.4	15.2	+- 2.6	
30 *	314	1.1	32.7	+- 1.0; 4.9	27.2	+- 0.8; 4.8	16.4	+- 1.7	
31	303	8.6	16.0	+- 0.5; 2.4	13.3	+- 0.4; 3.3	13.5	+- 1.6	
32	297	7.6	18.0	+- 0.5; 2.7	15.0	+- 0.5; 3.4	17.0	+- 1.7	
33	302	5.8	15.4	+- 0.5; 2.3	12.9	+- 0.4; 3.2	13.3	+- 1.8	
34	296	2.3	18.1	+- 0.5; 2.7	15.1	+- 0.5; 3.4	16.4	+- 1.7	
35	308	1.8	17.8	+- 0.5; 2.7	14.8	+- 0.5; 3.4	16.5	+- 1.4	
36	265	1.2	16.2	+- 0.5; 2.4	13.5	+- 0.5; 3.3	13.1	+- 1.9	
37	256	1.4	16.1	+- 0.5; 2.4	13.4	+- 0.4; 3.3	13.7	+- 1.7	
38	225	1.9	17.1	+- 0.5; 2.6	14.3	+- 0.5; 3.4	16.3	+- 1.6	
39	204	2.0	14.7	+- 0.4; 2.2	12.2	+- 0.4; 3.2	13.0	+- 1.5	
40	202	2.5	15.6	+- 0.5; 2.3	13.0	+- 0.4; 3.2	14.6	+- 1.5	
41	184	12.6	19.0	+- 0.6; 2.9	15.9	+- 0.5; 3.5	16.5	+- 1.7	
42	259	7.4	17.8	+- 0.5; 2.7	14.9	+- 0.5; 3.4	15.8	+- 1.7	
43	268	6.2	19.0	+- 0.6; 2.9	15.9	+- 0.5; 3.5	16.3	+- 2.1	
44	249	4.3	17.8	+- 0.5; 2.7	14.8	+- 0.5; 3.4	15.0	+- 1.7	
45	221	0.5	Missing Dosimeter		No Net Data		13.1	+- 2.4	
46	171	3.0	18.7	+- 0.6; 2.8	15.6	+- 0.5; 3.5	15.4	+- 1.8	
47	177	5.7	17.4	+- 0.5; 2.6	14.5	+- 0.5; 3.4	15.0	+- 1.9	
48	181	9.1	21.1	+- 0.6; 3.2	17.6	+- 0.6; 3.7	21.5	+- 2.0	
49 *	199	1.0	26.6	+- 0.8; 4.0	22.2	+- 0.7; 4.2	14.4	+- 1.7	
50	145	4.9	20.5	+- 0.6; 3.1	17.0	+- 0.5; 3.6	16.7	+- 2.4	

Transit Dose = 0.0 +- 0.2; 3.1

* Station nos. 25, 29, 30, and 49: results are shown for two quarters;
 i.e., for the period 950919 - 960408 (Field Time 170 days).

THREE MILE ISLAND
For the period 951207-960408

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 +- 2.2	4
11.26 - 33.75 NNE	14.5 +- 0.9	3
33.76 - 56.25 NE	15.6 +- 1.0	2
56.26 - 78.75 ENE	13.4 +- 0.3	2
78.76 - 101.25 E	14.3 +- 1.3	2
101.26 - 123.75 ESE	14.2 +- 2.3	3
123.76 - 146.25 SE	17.4 +- 0.6	2
146.26 - 168.75 SSE	14.8 +- 0.3	3
168.76 - 191.25 S	15.9 +- 1.3	4
191.26 - 213.75 SSW	15.8 +- 5.5	3
213.76 - 236.25 SW	14.3 +- 0.0	1
236.26 - 258.75 WSW	14.8 +- 0.0	1
258.76 - 281.25 W	15.4 +- 0.7	2
281.26 - 303.75 WNW	16.0 +- 4.5	5
303.76 - 326.25 NW	21.6 +- 7.9	2
326.26 - 348.75 NNW	15.7 +- 2.8	3

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	16.4 +- 4.5	15
2 - 5	14.8 +- 1.5	16
> 5	15.6 +- 1.8	11
Upwind Control	13.9 +- 0.8	3

NRC TLD DOSES FOR THREE MILE ISLAND AREA

Miles

Legend

Water

--- Railroads

Plant..site

— Highways

--- Roads

TROJAN

TLD Direct Radiation Environmental Monitoring

For the period 951204-960408 127 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	340	0.6	17.8 +- 0.5; 2.7	13.8 +- 0.6; 3.7	12.5 +- 1.1
2	334	1.5	19.1 +- 0.6; 2.9	14.9 +- 0.6; 3.9	14.7 +- 0.9
3	340	1.7	15.9 +- 0.5; 2.4	12.0 +- 0.5; 3.6	11.7 +- 0.7
4	328	3.9	14.5 +- 0.4; 2.2	10.7 +- 0.5; 3.5	12.5 +- 1.1
5	308	4.6	18.2 +- 0.5; 2.7	14.1 +- 0.6; 3.8	14.5 +- 1.2
6	312	4.5	Missing Dosimeter	No Net Data	15.0 +- 1.0
7	267	4.6	19.2 +- 0.6; 2.9	15.1 +- 0.6; 3.9	14.7 +- 0.8
8	274	3.8	18.4 +- 0.6; 2.8	14.3 +- 0.6; 3.8	15.3 +- 1.0
9	279	1.7	19.8 +- 0.6; 3.0	15.6 +- 0.6; 3.9	14.9 +- 0.9
10	263	2.0	19.8 +- 0.6; 3.0	15.6 +- 0.6; 3.9	15.3 +- 0.8
11	245	1.6	20.0 +- 0.6; 3.0	15.8 +- 0.6; 3.9	15.9 +- 0.9
12	223	1.2	19.9 +- 0.6; 3.0	15.7 +- 0.6; 3.9	16.4 +- 1.2
13	196	1.1	20.5 +- 0.6; 3.1	16.2 +- 0.6; 4.0	15.4 +- 0.9
14	180	1.2	15.6 +- 0.5; 2.3	11.7 +- 0.5; 3.5	14.3 +- 0.9
15	165	1.7	17.2 +- 0.5; 2.6	13.2 +- 0.6; 3.7	13.0 +- 1.0
16	212	3.9	21.1 +- 0.6; 3.2	16.8 +- 0.7; 4.0	16.1 +- 1.8
17	230	3.5	20.1 +- 0.6; 3.0	15.8 +- 0.6; 3.9	15.6 +- 1.1
18	162	9.3	19.1 +- 0.6; 2.9	15.0 +- 0.6; 3.9	15.7 +- 0.9
19	172	5.0	19.5 +- 0.6; 2.9	15.3 +- 0.6; 3.9	15.6 +- 1.1
20	334	5.8	17.4 +- 0.5; 2.6	13.4 +- 0.6; 3.7	12.8 +- 0.9
21	345	5.5	17.3 +- 0.5; 2.6	13.3 +- 0.6; 3.7	13.3 +- 0.7
22	356	5.5	16.0 +- 0.5; 2.4	12.1 +- 0.5; 3.6	12.2 +- 0.7
23	8	3.9	15.6 +- 0.5; 2.3	11.7 +- 0.5; 3.5	11.8 +- 0.7
24	15	3.7	17.7 +- 0.5; 2.7	13.7 +- 0.6; 3.7	13.2 +- 0.8
25	27	1.9	16.2 +- 0.5; 2.4	12.3 +- 0.5; 3.6	12.1 +- 1.0
26	37	2.1	19.1 +- 0.6; 2.9	14.9 +- 0.6; 3.9	14.7 +- 0.9
27	60	2.9	18.2 +- 0.5; 2.7	14.2 +- 0.6; 3.8	14.9 +- 0.8
28	55	4.5	18.5 +- 0.6; 2.8	14.4 +- 0.6; 3.8	13.6 +- 0.8
29	69	1.6	15.4 +- 0.5; 2.3	11.5 +- 0.5; 3.5	12.3 +- 1.2
30	83	3.9	16.3 +- 0.5; 2.4	12.4 +- 0.5; 3.6	12.7 +- 0.7
31	93	2.7	Damaged Dosimeter	No Net Data	15.3 +- 0.9
32	119	2.2	19.4 +- 0.6; 2.9	15.2 +- 0.6; 3.9	15.4 +- 0.9
33	106	5.3	20.6 +- 0.6; 3.1	16.3 +- 0.6; 4.0	14.9 +- 2.7
34	134	2.5	17.0 +- 0.5; 2.6	13.0 +- 0.6; 3.7	12.4 +- 0.9
35	145	4.7	17.2 +- 0.5; 2.6	13.2 +- 0.6; 3.7	12.9 +- 0.8
36	270	17.0	19.5 +- 0.6; 2.9	15.3 +- 0.6; 3.9	15.0 +- 1.6
37	270	17.0	20.2 +- 0.6; 3.0	16.0 +- 0.6; 4.0	16.2 +- 2.0
38	270	17.0	Missing Dosimeter	No Net Data	16.1 +- 1.0

Transit Dose = 2.8 +- 0.3; 3.1

TROJAN

For the period 951204-960408

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	11.9 +- 0.2	2
11.26 - 33.75 NNE	13.0 +- 1.0	2
33.76 - 56.25 NE	14.6 +- 0.4	2
56.26 - 78.75 ENE	12.8 +- 1.9	2
78.76 - 101.25 E	12.4 +- 0.0	1
101.26 - 123.75 ESE	15.7 +- 0.8	2
123.76 - 146.25 SE	13.1 +- 0.1	2
146.26 - 168.75 SSE	14.1 +- 1.2	2
168.76 - 191.25 S	13.5 +- 2.5	2
191.26 - 213.75 SSW	16.5 +- 0.4	2
213.76 - 236.25 SW	15.8 +- 0.1	2
236.26 - 258.75 WSW	15.8 +- 0.0	1
258.76 - 281.25 W	15.1 +- 0.6	4
281.26 - 303.75 WNW	No Data +- No Data	0
303.76 - 326.25 NW	14.1 +- 0.0	1
326.26 - 348.75 NNW	13.0 +- 1.5	6

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	14.0 +- 1.8	12
2 - 5	14.0 +- 1.6	16
> 5	14.0 +- 1.6	5
Upwind Control	15.7 +- 0.4	2

NRC TLD DOSES FOR TROJAN AREA

Miles

Legend

Water

Railroads

Plant..site

Highways

Roads

TURKEY POINT

TLD Direct Radiation Environmental Monitoring

For the period 951206-960416 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	310 1.3	19.7 +- 0.6; 3.0	9.2 +- 0.8; 4.6	11.7 +- 2.0
2	292 2.4	Missing Dosimeter	No Net Data	11.6 +- 2.2
3	340 1.9	19.9 +- 0.6; 3.0	9.4 +- 0.8; 4.6	12.0 +- 1.9
4	354 2.0	25.9 +- 0.8; 3.9	15.3 +- 0.9; 5.2	12.5 +- 2.3
5	314 3.8	18.8 +- 0.6; 2.8	8.3 +- 0.8; 4.5	11.7 +- 1.9
6	331 4.2	20.7 +- 0.6; 3.1	10.2 +- 0.8; 4.7	11.0 +- 2.1
7	291 5.4	22.9 +- 0.7; 3.4	12.3 +- 0.9; 4.9	11.9 +- 2.5
8	263 5.1	19.9 +- 0.6; 3.0	9.4 +- 0.8; 4.6	10.8 +- 2.1
9	242 5.7	20.8 +- 0.6; 3.1	10.3 +- 0.8; 4.7	11.6 +- 2.5
10	234 6.2	22.1 +- 0.7; 3.3	11.6 +- 0.8; 4.8	12.1 +- 1.4
11	220 6.2	20.4 +- 0.6; 3.1	9.9 +- 0.8; 4.6	11.4 +- 2.2
12	213 6.9	19.1 +- 0.6; 2.9	8.7 +- 0.8; 4.5	11.2 +- 2.0
13	199 10.0	20.9 +- 0.6; 3.1	10.4 +- 0.8; 4.7	11.9 +- 2.0
14	90 10.0	21.3 +- 0.6; 3.2	10.8 +- 0.8; 4.7	11.2 +- 2.6
15	180 10.0	21.0 +- 0.6; 3.2	10.5 +- 0.8; 4.7	13.3 +- 2.0
16	171 10.0	22.1 +- 0.7; 3.3	11.6 +- 0.8; 4.8	13.4 +- 2.0
17	165 9.0	21.8 +- 0.7; 3.3	11.3 +- 0.8; 4.8	12.9 +- 2.1
18	203 16.0	21.4 +- 0.6; 3.2	10.8 +- 0.8; 4.7	12.4 +- 1.7
19	203 16.0	20.9 +- 0.6; 3.1	10.4 +- 0.8; 4.7	12.2 +- 2.2
20	203 16.0	23.4 +- 0.7; 3.5	12.9 +- 0.9; 4.9	13.6 +- 1.9
21	268 8.7	19.4 +- 0.6; 2.9	8.9 +- 0.8; 4.5	10.5 +- 2.1
22	256 8.0	21.2 +- 0.6; 3.2	10.7 +- 0.8; 4.7	11.8 +- 2.0
23	275 9.0	19.4 +- 0.6; 2.9	8.9 +- 0.8; 4.5	11.3 +- 2.3
24	285 9.0	22.1 +- 0.7; 3.3	11.6 +- 0.8; 4.8	13.6 +- 2.2
25	293 8.7	23.4 +- 0.7; 3.5	12.8 +- 0.9; 4.9	14.1 +- 2.2
26	301 8.4	22.2 +- 0.7; 3.3	11.7 +- 0.8; 4.8	13.5 +- 1.9
27	311 8.3	22.2 +- 0.7; 3.3	11.6 +- 0.8; 4.8	11.9 +- 1.8
28	327 8.2	22.0 +- 0.7; 3.3	11.5 +- 0.8; 4.8	13.6 +- 1.9
29	339 9.3	Missing Dosimeter	No Net Data	13.0 +- 1.9
30	350 8.7	22.3 +- 0.7; 3.3	11.7 +- 0.8; 4.8	12.4 +- 2.4
31	359 9.9	Missing Dosimeter	No Net Data	12.6 +- 1.8
32	2 18.0	21.3 +- 0.6; 3.2	10.8 +- 0.8; 4.7	12.6 +- 1.5
33	2 22.0	22.0 +- 0.7; 3.3	11.5 +- 0.8; 4.8	12.9 +- 1.9
34	18 24.0	23.1 +- 0.7; 3.5	12.5 +- 0.9; 4.9	12.7 +- 2.1
35	28 22.0	21.6 +- 0.6; 3.2	11.0 +- 0.8; 4.8	12.4 +- 2.8
36	15 0.3	20.6 +- 0.6; 3.1	10.1 +- 0.8; 4.7	11.2 +- 1.9
37	228 0.5	21.2 +- 0.6; 3.2	10.7 +- 0.8; 4.7	13.0 +- 1.9

Transit Dose = 10.3 +- 0.5; 3.6

TURKEY POINT
For the period 951206-960416

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 +- 2.0	4
11.26 - 33.75 NNE	11.2 +- 1.2	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	10.8 +- 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	11.3 +- 0.0	1
168.76 - 191.25 S	11.0 +- 0.7	2
191.26 - 213.75 SSW	9.5 +- 1.2	2
213.76 - 236.25 SW	10.7 +- 0.8	3
236.26 - 258.75 WSW	10.5 +- 0.2	2
258.76 - 281.25 W	9.1 +- 0.3	3
281.26 - 303.75 WNW	12.1 +- 0.6	4
303.76 - 326.25 NW	9.7 +- 1.7	3
326.26 - 348.75 NNW	10.3 +- 1.1	3

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	10.9 +- 2.5	5
2 - 5	9.2 +- 1.3	2
> 5	10.9 +- 1.1	24
Upwind Control	11.3 +- 1.3	3

NRC TLD DOSES FOR TURKEY POINT AREA

VERMONT YANKEE

TLD Direct Radiation Environmental Monitoring

For the period 951207-960416 132 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	142	1.0	20.9 +- 0.6; 3.1	16.3 +- 0.7; 4.1	15.5 +- 1.4
2	158	1.0	21.0 +- 0.6; 3.2	16.4 +- 0.7; 4.1	16.6 +- 1.1
3	184	1.3	20.8 +- 0.6; 3.1	16.1 +- 0.7; 4.1	15.9 +- 1.1
4	201	1.4	19.4 +- 0.6; 2.9	14.9 +- 0.6; 4.0	16.5 +- 1.6
5	220	1.6	20.0 +- 0.6; 3.0	15.4 +- 0.6; 4.0	16.6 +- 1.6
6	157	3.4	19.5 +- 0.6; 2.9	14.9 +- 0.6; 4.0	16.7 +- 2.3
7	189	4.9	20.0 +- 0.6; 3.0	15.4 +- 0.6; 4.0	16.3 +- 1.3
8	201	13.0	19.5 +- 0.6; 2.9	14.9 +- 0.6; 4.0	15.9 +- 1.1
9	208	5.8	19.1 +- 0.6; 2.9	14.5 +- 0.6; 3.9	16.0 +- 1.3
10	232	3.7	22.5 +- 0.7; 3.4	17.8 +- 0.7; 4.3	18.4 +- 1.6
11	277	2.9	20.8 +- 0.6; 3.1	16.2 +- 0.7; 4.1	17.3 +- 1.8
12	292	1.4	19.3 +- 0.6; 2.9	14.7 +- 0.6; 4.0	16.9 +- 1.7
13	314	1.4	19.4 +- 0.6; 2.9	14.9 +- 0.6; 4.0	16.2 +- 1.5
14	310	4.2	20.4 +- 0.6; 3.1	15.8 +- 0.7; 4.1	16.1 +- 1.0
15	299	4.3	Missing Dosimeter	No Net Data	16.1 +- 1.2
16	270	4.5	17.5 +- 0.5; 2.6	13.1 +- 0.6; 3.8	14.3 +- 1.2
17	331	5.0	22.3 +- 0.7; 3.4	17.6 +- 0.7; 4.3	16.9 +- 1.1
18	290	19.0	21.8 +- 0.7; 3.3	17.1 +- 0.7; 4.2	18.5 +- 1.7
19	290	19.0	19.3 +- 0.6; 2.9	14.8 +- 0.6; 4.0	17.7 +- 1.8
20	290	19.0	18.5 +- 0.6; 2.8	14.0 +- 0.6; 3.9	17.9 +- 1.8
21	359	3.2	20.6 +- 0.6; 3.1	15.9 +- 0.7; 4.1	16.7 +- 1.5
23	334	2.2	19.2 +- 0.6; 2.9	14.6 +- 0.6; 3.9	15.9 +- 1.5
24	4	0.9	21.3 +- 0.6; 3.2	16.6 +- 0.7; 4.2	16.9 +- 1.3
25	30	1.0	17.7 +- 0.5; 2.7	13.3 +- 0.6; 3.8	15.6 +- 1.4
26	72	1.5	21.9 +- 0.7; 3.3	17.2 +- 0.7; 4.2	17.2 +- 1.0
27	44	0.7	20.0 +- 0.6; 3.0	15.4 +- 0.6; 4.0	16.3 +- 1.3
28	39	2.8	Missing Dosimeter	No Net Data	17.6 +- 1.8
29	25	3.8	21.9 +- 0.7; 3.3	17.1 +- 0.7; 4.2	19.3 +- 1.8
30	72	2.7	22.6 +- 0.7; 3.4	17.9 +- 0.7; 4.3	18.5 +- 2.0
31	85	2.0	20.6 +- 0.6; 3.1	16.0 +- 0.7; 4.1	16.7 +- 1.4
32	111	1.8	21.3 +- 0.6; 3.2	16.6 +- 0.7; 4.2	16.5 +- 1.2
33	134	4.0	19.0 +- 0.6; 2.8	14.5 +- 0.6; 3.9	16.3 +- 1.1
34	151	6.0	19.7 +- 0.6; 3.0	15.1 +- 0.6; 4.0	14.6 +- 1.2
35	111	4.3	22.3 +- 0.7; 3.3	17.6 +- 0.7; 4.3	18.4 +- 1.4
36	92	4.7	22.6 +- 0.7; 3.4	17.8 +- 0.7; 4.3	18.9 +- 1.5
37	50	15.0	26.1 +- 0.8; 3.9	21.1 +- 0.8; 4.7	21.0 +- 1.5
39	222	0.3	21.1 +- 0.6; 3.2	16.4 +- 0.7; 4.1	17.9 +- 1.3
40	250	3.0	20.9 +- 0.6; 3.1	16.2 +- 0.7; 4.1	16.8 +- 1.5

Transit Dose = 3.6 +- 0.3; 3.1

VERMONT YANKEE
For the period 951207-960416

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	16.3 +- 0.5	2
11.26 - 33.75 NNE	15.2 +- 2.7	2
33.76 - 56.25 NE	18.3 +- 4.1	2
56.26 - 78.75 ENE	17.5 +- 0.4	2
78.76 - 101.25 E	16.9 +- 1.3	2
101.26 - 123.75 ESE	17.1 +- 0.7	2
123.76 - 146.25 SE	15.4 +- 1.3	2
146.26 - 168.75 SSE	15.5 +- 0.8	3
168.76 - 191.25 S	15.7 +- 0.5	2
191.26 - 213.75 SSW	14.8 +- 0.2	3
213.76 - 236.25 SW	16.6 +- 1.2	3
236.26 - 258.75 WSW	16.2 +- 0.0	1
258.76 - 281.25 W	14.6 +- 2.2	2
281.26 - 303.75 WNW	14.7 +- 0.0	1
303.76 - 326.25 NW	15.3 +- 0.6	2
326.26 - 348.75 NNW	16.1 +- 2.1	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	15.7 +- 1.0	14
2 - 5	16.2 +- 1.5	15
> 5	16.4 +- 3.2	4
Upwind Control	15.3 +- 1.6	3

NRC TLD DOSES FOR VERMONT YANKEE AREA

VOGTLE (GA)
 TLD Direct Radiation Environmental Monitoring
 For the period 951206-960416 133 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	298	1.6	18.1 +- 0.5; 2.7		15.6 +- 0.7; 4.1		14.3 +- 1.8	
2	309	1.6	18.8 +- 0.6; 2.8		16.3 +- 0.7; 4.2		14.2 +- 2.0	
3	336	1.4	18.2 +- 0.5; 2.7		15.7 +- 0.7; 4.1		14.2 +- 2.5	
4	270	1.3	18.5 +- 0.6; 2.8		16.1 +- 0.7; 4.2		14.0 +- 2.1	
5	247	1.2	19.7 +- 0.6; 2.9		17.3 +- 0.7; 4.3		14.9 +- 1.9	
6	215	1.2	22.3 +- 0.7; 3.3		20.1 +- 0.8; 4.6		18.1 +- 1.9	
7	205	1.2	20.0 +- 0.6; 3.0		17.7 +- 0.7; 4.3		17.4 +- 1.9	
8	180	1.1	19.4 +- 0.6; 2.9		17.0 +- 0.7; 4.3		17.2 +- 1.9	
9	153	1.2	20.1 +- 0.6; 3.0		17.8 +- 0.7; 4.4		15.9 +- 2.1	
10	134	3.2	20.7 +- 0.6; 3.1		18.4 +- 0.7; 4.4		17.1 +- 1.8	
11	103	1.1	16.8 +- 0.5; 2.5		14.2 +- 0.6; 4.0		12.6 +- 2.6	
12	134	3.3	18.5 +- 0.6; 2.8		16.0 +- 0.7; 4.2		14.8 +- 1.8	
13	123	4.2	19.5 +- 0.6; 2.9		17.2 +- 0.7; 4.3		15.2 +- 1.8	
14	141	4.6	20.2 +- 0.6; 3.0		17.9 +- 0.7; 4.4		14.3 +- 3.5	
15	153	5.3	18.1 +- 0.5; 2.7		15.6 +- 0.7; 4.1		13.3 +- 1.9	
16	162	6.3	19.0 +- 0.6; 2.9		16.6 +- 0.7; 4.2		15.3 +- 2.1	
17	157	7.3	18.8 +- 0.6; 2.8		16.3 +- 0.7; 4.2		17.3 +- 2.7	
18	191	4.8	17.5 +- 0.5; 2.6		15.0 +- 0.7; 4.1		13.7 +- 1.8	
19	208	4.7	17.9 +- 0.5; 2.7		15.4 +- 0.7; 4.1		13.1 +- 2.1	
20	232	4.9	17.7 +- 0.5; 2.6		15.1 +- 0.7; 4.1		13.6 +- 2.0	
21	250	5.6	18.5 +- 0.6; 2.8		16.1 +- 0.7; 4.2		14.7 +- 2.1	
22	264	4.3	18.8 +- 0.6; 2.8		16.4 +- 0.7; 4.2		14.2 +- 2.1	
23	301	4.2	17.7 +- 0.5; 2.7		15.2 +- 0.7; 4.1		14.4 +- 2.1	
24	308	4.6	17.6 +- 0.5; 2.6		15.1 +- 0.7; 4.1		14.4 +- 2.6	
25	329	6.7	17.3 +- 0.5; 2.6		14.8 +- 0.7; 4.0		16.0 +- 2.9	
26	258	15.0	21.1 +- 0.6; 3.2		18.8 +- 0.8; 4.5		17.4 +- 2.2	
27	300	13.0	18.0 +- 0.5; 2.7		15.5 +- 0.7; 4.1		17.1 +- 1.7	
28	330	30.0	17.1 +- 0.5; 2.6		14.5 +- 0.6; 4.0		14.3 +- 2.0	

Transit Dose = 3.5 +- 0.3; 2.7

VOGTLE (GA)

For the period 951206-960416

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	15.7 +- 2.1	2
123.76 - 146.25 SE	17.4 +- 1.3	3
146.26 - 168.75 SSE	16.6 +- 0.9	4
168.76 - 191.25 S	16.0 +- 1.4	2
191.26 - 213.75 SSW	16.5 +- 1.6	2
213.76 - 236.25 SW	17.6 +- 3.5	2
236.26 - 258.75 WSW	16.7 +- 0.8	2
258.76 - 281.25 W	16.2 +- 0.2	2
281.26 - 303.75 WNW	15.4 +- 0.3	2
303.76 - 326.25 NW	15.7 +- 0.8	2
326.26 - 348.75 NNW	15.2 +- 0.7	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	16.8 +- 1.6	10
2 - 5	16.2 +- 1.2	10
> 5	15.9 +- 0.7	5
Upwind Control	16.3 +- 2.2	3

NRC TLD DOSES FOR VOGTLE AREA

Miles

Legend

Water

Railroads

Roads

Plant..site

VOGTLE (SC)

TLD Direct Radiation Environmental Monitoring

For the period 951206-960416 133 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
31	357 5.2	28.5 +- 0.9; 4.3	23.2 +- 1.0; 5.6	17.7 +- 3.8
32	26 4.9	21.2 +- 0.6; 3.2	15.4 +- 0.8; 4.7	12.5 +- 2.6
33	17 3.2	22.2 +- 0.7; 3.3	16.4 +- 0.8; 4.8	12.8 +- 2.4
34	36 3.9	24.0 +- 0.7; 3.6	18.3 +- 0.9; 5.0	14.0 +- 2.4
35	48 2.4	27.4 +- 0.8; 4.1	22.0 +- 1.0; 5.5	18.8 +- 2.8
36	69 2.8	22.3 +- 0.7; 3.3	16.5 +- 0.8; 4.8	14.6 +- 2.7
37	74 4.4	21.9 +- 0.7; 3.3	16.1 +- 0.8; 4.8	14.1 +- 4.0
38	94 4.5	22.5 +- 0.7; 3.4	16.7 +- 0.8; 4.9	13.8 +- 2.6

Transit Dose = 6.9 +- 0.4; 3.0

VOGTLE (SC)
For the period 951206-960416

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	23.2 +- 0.0	1
11.26 - 33.75 NNE	15.9 +- 0.8	2
33.76 - 56.25 NE	20.2 +- 2.6	2
56.26 - 78.75 ENE	16.3 +- 0.3	2
78.76 - 101.25 E	16.7 +- 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	17.4 +- 2.2	7
> 5	23.2 +- 0.0	1
Upwind Control	No Data +- No Data	0

NRC TLD DOSES FOR VOGTLE AREA

Miles

0 2 4

Legend

Water

Railroads

Roads

Plant..site

WASHINGTON NUCLEAR 2

TLD Direct Radiation Environmental Monitoring

For the period 951204-960408 127 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	174	12.0	22.6 +- 0.7; 3.4	18.3 +- 0.7; 4.2	18.0 +- 0.9
2	163	11.0	22.4 +- 0.7; 3.4	18.1 +- 0.7; 4.1	17.8 +- 0.9
3	161	9.0	21.9 +- 0.7; 3.3	17.7 +- 0.7; 4.1	17.4 +- 0.8
4	152	5.0	23.6 +- 0.7; 3.5	19.2 +- 0.7; 4.3	19.0 +- 0.9
5	195	2.0	22.6 +- 0.7; 3.4	18.3 +- 0.7; 4.2	18.0 +- 0.7
6	220	1.5	23.7 +- 0.7; 3.6	19.3 +- 0.7; 4.3	18.4 +- 1.2
7	92	3.0	24.1 +- 0.7; 3.6	19.6 +- 0.7; 4.3	19.5 +- 1.0
8	155	1.0	22.7 +- 0.7; 3.4	18.4 +- 0.7; 4.2	17.4 +- 0.9
9	130	0.5	24.3 +- 0.7; 3.6	19.8 +- 0.7; 4.3	18.4 +- 1.0
10	70	0.5	24.0 +- 0.7; 3.6	19.5 +- 0.7; 4.3	18.8 +- 1.0
11	25	0.8	24.0 +- 0.7; 3.6	19.5 +- 0.7; 4.3	18.6 +- 0.8
12	315	0.5	22.7 +- 0.7; 3.4	18.4 +- 0.7; 4.2	19.0 +- 1.0
13	290	0.5	29.4 +- 0.9; 4.4	24.5 +- 0.9; 4.9	23.5 +- 2.5
14	270	0.5	24.0 +- 0.7; 3.6	19.6 +- 0.7; 4.3	18.8 +- 1.0
15	245	1.8	23.5 +- 0.7; 3.5	19.1 +- 0.7; 4.2	18.7 +- 0.8
16	285	3.0	23.8 +- 0.7; 3.6	19.4 +- 0.7; 4.3	19.2 +- 0.7
17	240	4.0	22.3 +- 0.7; 3.3	18.0 +- 0.7; 4.1	17.4 +- 0.9
18	198	7.0	22.8 +- 0.7; 3.4	18.4 +- 0.7; 4.2	17.3 +- 1.0
19	173	8.5	23.4 +- 0.7; 3.5	19.1 +- 0.7; 4.2	18.5 +- 0.9
20	150	20.0	23.5 +- 0.7; 3.5	19.1 +- 0.7; 4.2	18.5 +- 0.8
21	114	7.0	21.9 +- 0.7; 3.3	17.7 +- 0.7; 4.1	18.7 +- 1.1
22	120	8.0	23.4 +- 0.7; 3.5	19.0 +- 0.7; 4.2	18.1 +- 0.9
23	134	6.0	25.6 +- 0.8; 3.8	21.0 +- 0.8; 4.5	20.5 +- 1.0
24	110	4.0	27.5 +- 0.8; 4.1	22.8 +- 0.8; 4.7	22.4 +- 1.2
25	85	5.0	24.4 +- 0.7; 3.7	19.9 +- 0.7; 4.3	19.1 +- 0.8
26	65	5.0	24.7 +- 0.7; 3.7	20.2 +- 0.7; 4.4	20.8 +- 1.0
27	53	4.0	24.1 +- 0.7; 3.6	19.6 +- 0.7; 4.3	18.4 +- 1.2
28	44	8.0	23.7 +- 0.7; 3.6	19.3 +- 0.7; 4.3	20.3 +- 1.0
29	33	10.0	26.0 +- 0.8; 3.9	21.4 +- 0.8; 4.5	19.1 +- 1.4
30	8	9.5	24.3 +- 0.7; 3.7	19.9 +- 0.7; 4.3	20.1 +- 0.9
31	215	15.0	21.8 +- 0.7; 3.3	17.6 +- 0.7; 4.1	17.7 +- 0.7

Transit Dose = 2.5 +- 0.3; 3.1

WASHINGTON NUCLEAR 2
For the period 951204-960408

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	19.9 +- 0.0	1
11.26 - 33.75 NNE	20.5 +- 1.3	2
33.76 - 56.25 NE	19.5 +- 0.2	2
56.26 - 78.75 ENE	19.9 +- 0.5	2
78.76 - 101.25 E	19.8 +- 0.2	2
101.26 - 123.75 ESE	19.8 +- 2.6	3
123.76 - 146.25 SE	20.4 +- 0.8	2
146.26 - 168.75 SSE	18.5 +- 0.7	5
168.76 - 191.25 S	19.1 +- 0.0	1
191.26 - 213.75 SSW	18.4 +- 0.1	2
213.76 - 236.25 SW	19.3 +- 0.0	1
236.26 - 258.75 WSW	18.5 +- 0.8	2
258.76 - 281.25 W	19.6 +- 0.0	1
281.26 - 303.75 WNW	21.9 +- 3.6	2
303.76 - 326.25 NW	18.4 +- 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	19.6 +- 1.8	10
2 - 5	19.8 +- 1.4	8
> 5	19.1 +- 1.2	11
Upwind Control	18.0 +- 0.5	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 951204-960417 136 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	101 0.4	19.5 +- 0.6; 2.9	16.3 +- 0.6; 3.8	15.7 +- 1.3
2	116 1.1	16.0 +- 0.5; 2.4	13.1 +- 0.5; 3.5	14.9 +- 2.0
3	132 1.3	21.3 +- 0.6; 3.2	17.9 +- 0.6; 4.0	18.0 +- 1.4
4	160 1.8	19.2 +- 0.6; 2.9	16.0 +- 0.6; 3.8	15.6 +- 1.3
5	183 1.4	19.3 +- 0.6; 2.9	16.1 +- 0.6; 3.8	15.6 +- 1.3
6	202 1.2	18.5 +- 0.6; 2.8	15.4 +- 0.6; 3.7	15.7 +- 1.5
7	226 1.2	18.1 +- 0.5; 2.7	15.0 +- 0.6; 3.7	15.4 +- 1.0
8	248 1.3	20.3 +- 0.6; 3.0	17.1 +- 0.6; 3.9	17.3 +- 1.1
9	265 1.9	16.1 +- 0.5; 2.4	13.2 +- 0.5; 3.5	14.2 +- 2.0
10	186 4.2	19.9 +- 0.6; 3.0	16.7 +- 0.6; 3.8	17.4 +- 0.9
11	315 4.4	Missing Dosimeter	No Net Data	16.2 +- 1.4
12	328 4.1	20.7 +- 0.6; 3.1	17.4 +- 0.6; 3.9	17.3 +- 1.1
13	309 0.8	18.0 +- 0.5; 2.7	14.9 +- 0.6; 3.7	15.2 +- 0.9
14	273 0.9	19.4 +- 0.6; 2.9	16.3 +- 0.6; 3.8	17.0 +- 2.2
15	292 0.8	16.2 +- 0.5; 2.4	13.3 +- 0.5; 3.5	13.3 +- 1.4
16	335 0.5	16.6 +- 0.5; 2.5	13.7 +- 0.5; 3.5	13.8 +- 1.0
17	120 4.3	17.8 +- 0.5; 2.7	14.8 +- 0.6; 3.7	14.1 +- 1.1
18	145 3.5	19.7 +- 0.6; 3.0	16.5 +- 0.6; 3.8	14.6 +- 1.3
19	153 8.1	19.9 +- 0.6; 3.0	16.7 +- 0.6; 3.8	16.0 +- 1.2
20	133 8.1	18.3 +- 0.6; 2.8	15.3 +- 0.6; 3.7	16.0 +- 1.1
21	116 6.7	19.8 +- 0.6; 3.0	16.6 +- 0.6; 3.8	15.3 +- 1.3
22	95 4.3	18.5 +- 0.6; 2.8	15.4 +- 0.6; 3.7	15.3 +- 1.0
23	86 2.6	19.6 +- 0.6; 2.9	16.4 +- 0.6; 3.8	15.4 +- 1.0
24	66 4.2	22.3 +- 0.7; 3.3	18.8 +- 0.7; 4.1	18.3 +- 1.3
25	37 3.5	Damaged Dosimeter	No Net Data	16.8 +- 1.1
26	23 3.8	17.9 +- 0.5; 2.7	14.9 +- 0.6; 3.7	14.5 +- 0.9
27	350 4.9	Damaged Dosimeter	No Net Data	15.5 +- 0.9
28	335 5.0	19.3 +- 0.6; 2.9	16.1 +- 0.6; 3.8	15.7 +- 1.2
29	6 2.8	16.2 +- 0.5; 2.4	13.4 +- 0.5; 3.5	14.2 +- 1.0
30	356 1.1	20.6 +- 0.6; 3.1	17.3 +- 0.6; 3.9	16.0 +- 1.9
31	15 0.8	18.1 +- 0.5; 2.7	15.0 +- 0.6; 3.7	15.9 +- 1.8
32	40 0.8	16.9 +- 0.5; 2.5	14.0 +- 0.5; 3.6	13.9 +- 1.5
33	69 1.1	18.4 +- 0.6; 2.8	15.3 +- 0.6; 3.7	15.4 +- 2.8
34	292 15.0	20.4 +- 0.6; 3.1	17.2 +- 0.6; 3.9	15.5 +- 1.6
35	282 27.0	22.5 +- 0.7; 3.4	19.0 +- 0.7; 4.1	17.7 +- 1.5
36	268 21.0	18.1 +- 0.5; 2.7	15.0 +- 0.6; 3.7	14.5 +- 1.6

Transit Dose = 1.6 +- 0.3; 3.0

WATERFORD

For the period 951204-960417

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	15.3 +- 2.8	2
11.26 - 33.75 NNE	14.9 +- 0.1	2
33.76 - 56.25 NE	14.0 +- 0.0	1
56.26 - 78.75 ENE	17.1 +- 2.5	2
78.76 - 101.25 E	16.0 +- 0.5	3
101.26 - 123.75 ESE	14.8 +- 1.8	3
123.76 - 146.25 SE	16.6 +- 1.3	3
146.26 - 168.75 SSE	16.4 +- 0.5	2
168.76 - 191.25 S	16.4 +- 0.4	2
191.26 - 213.75 SSW	15.4 +- 0.0	1
213.76 - 236.25 SW	15.0 +- 0.0	1
236.26 - 258.75 WSW	17.1 +- 0.0	1
258.76 - 281.25 W	14.8 +- 2.1	2
281.26 - 303.75 WNW	13.3 +- 0.0	1
303.76 - 326.25 NW	14.9 +- 0.0	1
326.26 - 348.75 NNW	15.7 +- 1.9	3

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	15.3 +- 1.5	17
2 - 5	16.0 +- 1.5	10
> 5	16.2 +- 0.8	3
Upwind Control	17.1 +- 2.0	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 951206-960416 133 Days

Field Time: 81 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	20.1	+- 0.6; 3.0	19.0	+- 0.7; 4.4	17.2	+- 2.2
2	314	2.1	19.3	+- 0.6; 2.9	18.1	+- 0.7; 4.3	17.4	+- 2.2
3	297	1.9	19.4	+- 0.6; 2.9	18.2	+- 0.7; 4.3	17.2	+- 2.3
4	272	2.0	19.3	+- 0.6; 2.9	18.1	+- 0.7; 4.3	16.7	+- 2.3
5	251	1.9	21.5	+- 0.6; 3.2	20.5	+- 0.8; 4.6	19.0	+- 2.4
6	235	1.8	21.9	+- 0.7; 3.3	21.0	+- 0.8; 4.7	20.3	+- 2.5
7	230	3.8	21.6	+- 0.6; 3.2	20.6	+- 0.8; 4.6	19.4	+- 2.4
8	208	3.6	19.5	+- 0.6; 2.9	18.3	+- 0.7; 4.3	18.0	+- 2.4
9	249	4.2	20.7	+- 0.6; 3.1	19.7	+- 0.8; 4.5	15.9	+- 2.9
10	266	3.1	18.7	+- 0.6; 2.8	17.5	+- 0.7; 4.2	16.7	+- 2.3
11	289	3.3	16.5	+- 0.5; 2.5	15.0	+- 0.6; 4.0	14.3	+- 2.0
12	310	4.7	16.7	+- 0.5; 2.5	15.2	+- 0.6; 4.0	14.5	+- 2.2
13	337	3.6	17.0	+- 0.5; 2.6	15.6	+- 0.7; 4.0	15.7	+- 2.9
14	330	7.0	17.5	+- 0.5; 2.6	16.1	+- 0.7; 4.1	15.3	+- 2.2
15	350	4.7	21.2	+- 0.6; 3.2	20.2	+- 0.8; 4.6	18.5	+- 2.4
16	7	1.1	21.9	+- 0.7; 3.3	21.0	+- 0.8; 4.7	20.3	+- 2.6
17	23	1.6	15.7	+- 0.5; 2.3	14.0	+- 0.6; 3.9	13.3	+- 2.4
18	41	2.3	18.8	+- 0.6; 2.8	17.5	+- 0.7; 4.3	16.1	+- 2.3
19	69	1.3	20.6	+- 0.6; 3.1	19.6	+- 0.8; 4.5	18.7	+- 2.1
20	89	1.2	20.2	+- 0.6; 3.0	19.1	+- 0.7; 4.4	19.5	+- 2.3
21	114	1.1	18.7	+- 0.6; 2.8	17.4	+- 0.7; 4.2	15.9	+- 2.3
22	141	1.0	21.0	+- 0.6; 3.2	20.0	+- 0.8; 4.5	18.9	+- 2.2
23	163	1.1	22.7	+- 0.7; 3.4	21.8	+- 0.8; 4.8	21.9	+- 2.5
24	187	1.1	18.3	+- 0.6; 2.8	17.0	+- 0.7; 4.2	18.3	+- 2.9
25	203	1.2	16.9	+- 0.5; 2.5	15.4	+- 0.6; 4.0	17.4	+- 2.7
26	184	5.9	21.3	+- 0.6; 3.2	20.4	+- 0.8; 4.6	18.3	+- 3.1
27	176	4.5	20.0	+- 0.6; 3.0	18.9	+- 0.7; 4.4	17.4	+- 2.4
28	161	3.5	18.8	+- 0.6; 2.8	17.6	+- 0.7; 4.3	16.4	+- 2.3
29	144	3.0	18.4	+- 0.6; 2.8	17.1	+- 0.7; 4.2	16.6	+- 2.3
30	117	3.1	18.2	+- 0.5; 2.7	16.9	+- 0.7; 4.2	15.9	+- 2.5
31	97	4.0	18.3	+- 0.5; 2.7	17.0	+- 0.7; 4.2	16.3	+- 2.4
32	76	4.1	17.0	+- 0.5; 2.5	15.5	+- 0.7; 4.0	14.0	+- 2.4
33	32	4.1	19.0	+- 0.6; 2.9	17.8	+- 0.7; 4.3	16.9	+- 2.2
34	36	4.7	16.2	+- 0.5; 2.4	14.7	+- 0.6; 4.0	13.7	+- 2.1
35	38	19.0	18.2	+- 0.5; 2.7	16.8	+- 0.7; 4.2	16.1	+- 2.5
36	38	19.0	17.6	+- 0.5; 2.6	16.2	+- 0.7; 4.1	17.1	+- 3.3
37	38	19.0	19.4	+- 0.6; 2.9	18.2	+- 0.7; 4.3	17.2	+- 2.4

Transit Dose = 3.0 +- 0.3; 2.6

WATTS BAR

For the period 951206-960416

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	20.6 +- 0.6	2
11.26 - 33.75 NNE	15.9 +- 2.6	2
33.76 - 56.25 NE	16.1 +- 2.0	2
56.26 - 78.75 ENE	17.5 +- 2.9	2
78.76 - 101.25 E	18.0 +- 1.5	2
101.26 - 123.75 ESE	17.1 +- 0.3	2
123.76 - 146.25 SE	18.5 +- 2.1	2
146.26 - 168.75 SSE	19.7 +- 3.0	2
168.76 - 191.25 S	18.8 +- 1.7	3
191.26 - 213.75 SSW	16.9 +- 2.0	2
213.76 - 236.25 SW	20.8 +- 0.3	2
236.26 - 258.75 WSW	20.1 +- 0.6	2
258.76 - 281.25 W	17.8 +- 0.4	2
281.26 - 303.75 WNW	16.6 +- 2.2	2
303.76 - 326.25 NW	16.7 +- 2.1	2
326.26 - 348.75 NNW	16.9 +- 1.9	3

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	18.7 +- 2.2	14
2 - 5	17.4 +- 1.8	18
> 5	18.2 +- 3.0	2
Upwind Control	17.1 +- 1.0	3

NRC TLD DOSES FOR WATTS BAR AREA

WOLF CREEK

TLD Direct Radiation Environmental Monitoring

For the period 951204-960409 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	316 2.9	23.3 +- 0.7; 3.5	16.5 +- 0.8; 4.6	19.5 +- 1.4
2	330 1.8	24.7 +- 0.7; 3.7	17.9 +- 0.8; 4.8	18.5 +- 1.2
3	360 2.8	23.6 +- 0.7; 3.5	16.8 +- 0.8; 4.7	18.6 +- 1.2
4	355 1.6	24.3 +- 0.7; 3.6	17.5 +- 0.8; 4.8	19.3 +- 1.2
5	31 1.8	25.2 +- 0.8; 3.8	18.4 +- 0.8; 4.9	19.6 +- 1.2
6	47 2.0	21.2 +- 0.6; 3.2	14.4 +- 0.7; 4.4	16.8 +- 1.4
7	70 1.6	23.1 +- 0.7; 3.5	16.3 +- 0.8; 4.6	17.8 +- 1.0
8	90 1.7	25.7 +- 0.8; 3.9	18.8 +- 0.9; 4.9	20.0 +- 1.3
9	111 2.4	23.7 +- 0.7; 3.6	17.0 +- 0.8; 4.7	19.4 +- 1.2
10	137 2.5	25.1 +- 0.8; 3.8	18.3 +- 0.8; 4.8	18.9 +- 1.1
11	157 3.4	26.0 +- 0.8; 3.9	19.2 +- 0.9; 4.9	20.4 +- 1.1
12	184 3.3	24.2 +- 0.7; 3.6	17.4 +- 0.8; 4.8	20.0 +- 1.1
13	213 2.9	21.1 +- 0.6; 3.2	14.4 +- 0.7; 4.4	19.1 +- 1.8
14	233 2.4	23.5 +- 0.7; 3.5	16.7 +- 0.8; 4.7	19.6 +- 1.4
15	248 2.2	22.8 +- 0.7; 3.4	16.0 +- 0.8; 4.6	19.1 +- 1.1
16	278 2.1	24.4 +- 0.7; 3.7	17.6 +- 0.8; 4.8	19.4 +- 1.1
17	270 3.4	20.5 +- 0.6; 3.1	13.8 +- 0.7; 4.4	15.7 +- 0.9
18	263 4.2	26.3 +- 0.8; 3.9	19.4 +- 0.9; 5.0	21.2 +- 1.5
19	257 5.0	25.1 +- 0.8; 3.8	18.2 +- 0.8; 4.8	19.4 +- 1.1
20	280 3.9	22.6 +- 0.7; 3.4	15.9 +- 0.8; 4.6	18.2 +- 1.3
21	298 3.9	23.4 +- 0.7; 3.5	16.7 +- 0.8; 4.7	19.5 +- 0.9
22	319 4.8	22.6 +- 0.7; 3.4	15.8 +- 0.8; 4.6	17.6 +- 1.2
23	332 5.0	23.2 +- 0.7; 3.5	16.4 +- 0.8; 4.6	19.1 +- 1.5
24	19 3.9	24.2 +- 0.7; 3.6	17.4 +- 0.8; 4.7	19.4 +- 1.0
25	35 4.4	20.9 +- 0.6; 3.1	14.2 +- 0.7; 4.4	16.8 +- 0.9
26	67 4.3	23.3 +- 0.7; 3.5	16.5 +- 0.8; 4.6	17.8 +- 1.2
27	88 4.1	22.4 +- 0.7; 3.4	15.6 +- 0.8; 4.5	19.1 +- 1.8
28	110 4.5	24.8 +- 0.7; 3.7	18.0 +- 0.8; 4.8	19.6 +- 1.0
29	128 4.4	23.5 +- 0.7; 3.5	16.7 +- 0.8; 4.7	19.8 +- 1.5
30	112 16.0	21.0 +- 0.6; 3.1	14.2 +- 0.7; 4.4	16.8 +- 1.3
31	127 9.4	22.0 +- 0.7; 3.3	15.3 +- 0.8; 4.5	16.7 +- 0.8
32	62 11.0	21.5 +- 0.6; 3.2	14.8 +- 0.8; 4.5	17.0 +- 1.4
33	153 5.2	21.1 +- 0.6; 3.2	14.4 +- 0.7; 4.4	18.5 +- 1.5
34	174 4.7	22.9 +- 0.7; 3.4	16.1 +- 0.8; 4.6	20.1 +- 1.4
35	197 5.2	24.4 +- 0.7; 3.7	17.6 +- 0.8; 4.8	20.6 +- 1.5
36	224 4.8	23.6 +- 0.7; 3.5	16.9 +- 0.8; 4.7	18.2 +- 0.8
37	220 14.0	21.2 +- 0.6; 3.2	14.5 +- 0.7; 4.4	15.4 +- 0.7
38	253 6.5	25.5 +- 0.8; 3.8	18.6 +- 0.9; 4.9	20.2 +- 1.3
39	278 10.0	23.8 +- 0.7; 3.6	17.0 +- 0.8; 4.7	18.7 +- 1.4
40	285 15.0	21.3 +- 0.6; 3.2	14.6 +- 0.7; 4.4	16.6 +- 0.8
41	292 6.7	Damaged Dosimeter	No Net Data	17.9 +- 1.4
42	345 13.0	24.3 +- 0.7; 3.6	17.5 +- 0.8; 4.8	20.2 +- 1.3
43	5 7.5	23.8 +- 0.7; 3.6	17.0 +- 0.8; 4.7	19.2 +- 1.2
44	20 8.3	24.8 +- 0.7; 3.7	18.0 +- 0.8; 4.8	19.7 +- 1.0
45	315 7.5	24.5 +- 0.7; 3.7	17.7 +- 0.8; 4.8	20.8 +- 1.3
46	341 7.7	25.5 +- 0.8; 3.8	18.7 +- 0.9; 4.9	20.0 +- 1.1
47	355 1.0	22.7 +- 0.7; 3.4	15.9 +- 0.8; 4.6	18.3 +- 1.1

Transit Dose = 6.4 +- 0.4; 3.2

WOLF CREEK
For the period 951204-960409

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 +- 0.7	4
11.26 - 33.75 NNE	17.9 +- 0.5	3
33.76 - 56.25 NE	14.3 +- 0.2	2
56.26 - 78.75 ENE	15.8 +- 0.9	3
78.76 - 101.25 E	17.2 +- 2.3	2
101.26 - 123.75 ESE	16.4 +- 1.9	3
123.76 - 146.25 SE	16.7 +- 1.5	3
146.26 - 168.75 SSE	16.8 +- 3.4	2
168.76 - 191.25 S	16.8 +- 0.9	2
191.26 - 213.75 SSW	16.0 +- 2.2	2
213.76 - 236.25 SW	16.0 +- 1.3	3
236.26 - 258.75 WSW	17.6 +- 1.4	3
258.76 - 281.25 W	16.7 +- 2.1	5
281.26 - 303.75 WNW	15.6 +- 1.5	2
303.76 - 326.25 NW	16.7 +- 0.9	3
326.26 - 348.75 NNW	17.6 +- 0.9	4

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	17.0 +- 1.6	7
2 - 5	16.7 +- 1.4	25
> 5	16.4 +- 1.7	14
Upwind Control	No Data +- No Data	0

NRC TLD DOSES FOR WOLF CREEK AREA

YANKEE ROWE

TLD Direct Radiation Environmental Monitoring

For the period 951207-960416 132 Days

Field Time: 85 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	0	0.8	19.1 +- 0.6; 2.9		15.6 +- 0.7; 4.3		18.3 +- 1.9	
2	265	14.0	20.4 +- 0.6; 3.1		17.0 +- 0.7; 4.4		15.9 +- 1.2	
3	137	12.0	19.6 +- 0.6; 2.9		16.2 +- 0.7; 4.3		16.0 +- 1.6	
5	85	2.2	21.0 +- 0.6; 3.2		17.7 +- 0.8; 4.5		15.6 +- 1.8	
6	118	2.6	18.0 +- 0.5; 2.7		14.4 +- 0.7; 4.1		15.5 +- 1.5	
7	137	2.1	19.5 +- 0.6; 2.9		16.1 +- 0.7; 4.3		17.4 +- 1.8	
8	153	1.7	19.1 +- 0.6; 2.9		15.6 +- 0.7; 4.3		16.1 +- 1.1	
9	176	1.1	19.1 +- 0.6; 2.9		15.7 +- 0.7; 4.3		16.0 +- 1.3	
10	203	0.5	19.0 +- 0.6; 2.9		15.6 +- 0.7; 4.3		16.9 +- 2.0	
11	219	0.6	19.1 +- 0.6; 2.9		15.7 +- 0.7; 4.3		16.9 +- 1.3	
12	239	1.1	20.1 +- 0.6; 3.0		16.7 +- 0.7; 4.4		19.1 +- 2.5	
13	272	1.8	18.0 +- 0.5; 2.7		14.5 +- 0.7; 4.1		17.6 +- 2.1	
14	292	1.3	19.4 +- 0.6; 2.9		16.0 +- 0.7; 4.3		18.1 +- 2.0	
15	315	1.6	20.1 +- 0.6; 3.0		16.7 +- 0.7; 4.4		18.4 +- 2.1	
16	348	1.4	20.3 +- 0.6; 3.0		16.9 +- 0.7; 4.4		18.0 +- 1.7	
17	358	2.8	19.0 +- 0.6; 2.8		15.5 +- 0.7; 4.2		16.8 +- 1.9	
18	21	2.8	17.4 +- 0.5; 2.6		13.8 +- 0.7; 4.1		15.3 +- 1.7	
19	43	5.8	20.1 +- 0.6; 3.0		16.7 +- 0.7; 4.4		16.7 +- 1.3	
20	75	6.0	21.1 +- 0.6; 3.2		17.7 +- 0.8; 4.5		17.9 +- 2.0	
21	98	6.0	18.3 +- 0.5; 2.7		14.8 +- 0.7; 4.2		14.8 +- 1.4	
22	104	5.2	16.1 +- 0.5; 2.4		12.5 +- 0.6; 3.9		13.7 +- 1.3	
23	133	5.7	19.3 +- 0.6; 2.9		15.9 +- 0.7; 4.3		13.9 +- 1.7	
24	157	7.5	17.9 +- 0.5; 2.7		14.4 +- 0.7; 4.1		14.3 +- 1.7	
25	184	6.3	17.0 +- 0.5; 2.6		13.5 +- 0.6; 4.0		16.3 +- 1.9	
27	225	5.9	21.2 +- 0.6; 3.2		17.9 +- 0.8; 4.5		17.2 +- 1.7	
29	269	3.5	19.7 +- 0.6; 2.9		16.2 +- 0.7; 4.3		17.4 +- 2.0	
32	342	3.3	21.2 +- 0.6; 3.2		17.9 +- 0.8; 4.5		17.1 +- 1.6	
34	48	7.3	19.7 +- 0.6; 3.0		16.3 +- 0.7; 4.3		17.4 +- 1.7	
35	39	2.3	16.3 +- 0.5; 2.4		12.6 +- 0.6; 3.9		14.1 +- 1.6	
47	260	9.6	19.4 +- 0.6; 2.9		16.0 +- 0.7; 4.3		16.7 +- 1.4	
48	261	9.0	21.3 +- 0.6; 3.2		18.0 +- 0.8; 4.5		18.7 +- 1.7	

Transit Dose = 4.3 +- 0.3; 2.8

YANKEE ROWE

For the period 951207-960416

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	15.6 +- 0.1	2
11.26 - 33.75 NNE	13.8 +- 0.0	1
33.76 - 56.25 NE	15.2 +- 2.2	3
56.26 - 78.75 ENE	17.7 +- 0.0	1
78.76 - 101.25 E	16.3 +- 2.0	2
101.26 - 123.75 ESE	13.5 +- 1.4	2
123.76 - 146.25 SE	16.0 +- 0.2	3
146.26 - 168.75 SSE	15.0 +- 0.9	2
168.76 - 191.25 S	14.6 +- 1.6	2
191.26 - 213.75 SSW	15.6 +- 0.0	1
213.76 - 236.25 SW	16.8 +- 1.6	2
236.26 - 258.75 WSW	16.7 +- 0.0	1
258.76 - 281.25 W	15.9 +- 1.3	3
281.26 - 303.75 WNW	16.0 +- 0.0	1
303.76 - 326.25 NW	16.7 +- 0.0	1
326.26 - 348.75 NNW	17.4 +- 0.7	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	15.9 +- 0.7	10
2 - 5	15.5 +- 1.8	8
> 5	15.7 +- 1.7	11
Upwind Control	17.0 +- 1.4	2

NRC TLD DOSES FOR YANKEE ROWE AREA

Miles
0 2 4

Legend

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

ZION

TLD Direct Radiation Environmental Monitoring

For the period 951205-960410 128 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	310	0.8	17.3 +- 0.5; 2.6	15.7 +- 0.6; 3.8	15.5 +- 1.6
2	192	1.0	16.4 +- 0.5; 2.5	14.8 +- 0.6; 3.7	13.1 +- 1.1
3	187	1.9	16.9 +- 0.5; 2.5	15.2 +- 0.6; 3.7	14.6 +- 1.4
4	219	2.4	20.7 +- 0.6; 3.1	19.1 +- 0.7; 4.1	17.3 +- 1.3
5	257	1.8	19.6 +- 0.6; 2.9	17.9 +- 0.6; 4.0	16.8 +- 1.5
6	250	1.2	18.3 +- 0.5; 2.7	16.7 +- 0.6; 3.9	16.3 +- 1.4
7	293	1.6	Missing Dosimeter	No Net Data	17.1 +- 1.0
8	310	1.8	16.8 +- 0.5; 2.5	15.1 +- 0.6; 3.7	15.0 +- 1.5
9	343	2.6	18.4 +- 0.6; 2.8	16.7 +- 0.6; 3.9	15.4 +- 1.4
10	356	4.5	15.9 +- 0.5; 2.4	14.3 +- 0.5; 3.6	14.7 +- 1.1
11	337	4.5	19.6 +- 0.6; 2.9	18.0 +- 0.6; 4.0	16.9 +- 1.1
12	310	4.0	20.3 +- 0.6; 3.0	18.6 +- 0.7; 4.1	18.9 +- 1.6
13	293	3.5	22.7 +- 0.7; 3.4	21.0 +- 0.7; 4.3	19.8 +- 1.5
14	280	4.5	20.8 +- 0.6; 3.1	19.1 +- 0.7; 4.1	18.8 +- 1.4
15	232	3.2	21.7 +- 0.7; 3.3	20.1 +- 0.7; 4.2	17.9 +- 1.4
16	220	3.5	20.6 +- 0.6; 3.1	18.9 +- 0.7; 4.1	18.3 +- 1.3
17	198	4.5	19.6 +- 0.6; 2.9	18.0 +- 0.6; 4.0	16.3 +- 1.5
18	206	2.8	18.3 +- 0.5; 2.7	16.6 +- 0.6; 3.8	15.5 +- 1.5
19	327	1.7	17.5 +- 0.5; 2.6	15.8 +- 0.6; 3.8	15.5 +- 1.6
20	197	15.0	22.1 +- 0.7; 3.3	20.4 +- 0.7; 4.3	19.2 +- 1.4
21	352	7.9	17.7 +- 0.5; 2.7	16.1 +- 0.6; 3.8	15.1 +- 1.2
22	348	9.3	19.3 +- 0.6; 2.9	17.7 +- 0.6; 4.0	15.1 +- 1.5
23	336	8.5	17.6 +- 0.5; 2.6	16.0 +- 0.6; 3.8	18.0 +- 1.7
24	314	5.8	20.3 +- 0.6; 3.0	18.6 +- 0.7; 4.1	17.5 +- 1.1
25	220	6.3	19.2 +- 0.6; 2.9	17.5 +- 0.6; 3.9	16.6 +- 1.2
26	195	8.0	17.8 +- 0.5; 2.7	16.2 +- 0.6; 3.8	15.5 +- 1.2
28	197	15.0	20.6 +- 0.6; 3.1	18.9 +- 0.7; 4.1	18.8 +- 1.2
30	320	9.8	22.4 +- 0.7; 3.4	20.7 +- 0.7; 4.3	18.4 +- 1.6
31	229	8.0	19.7 +- 0.6; 3.0	18.0 +- 0.6; 4.0	16.7 +- 1.1
32	193	15.0	19.9 +- 0.6; 3.0	18.2 +- 0.6; 4.0	18.8 +- 1.6

Transit Dose = 1.5 +- 0.3; 2.8

ZION

For the period 951205-960410

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	15.2 +- 1.2	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	15.2 +- 0.0	1
191.26 - 213.75 SSW	16.4 +- 1.3	4
213.76 - 236.25 SW	18.7 +- 1.0	5
236.26 - 258.75 WSW	17.3 +- 0.9	2
258.76 - 281.25 W	19.1 +- 0.0	1
281.26 - 303.75 WNW	21.0 +- 0.0	1
303.76 - 326.25 NW	17.7 +- 2.3	5
326.26 - 348.75 NNW	16.8 +- 1.0	5

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	15.9 +- 1.1	7
2 - 5	18.2 +- 1.8	11
> 5	17.6 +- 1.6	8
Upwind Control	19.2 +- 1.1	3

NRC TLD DOSES FOR ZION AREA

Miles

Legend

Water

Highways

Railroads

Roads

Plant..site

BIBLIOGRAPHIC DATA SHEET

(See instructions on the reverse)

1. REPORT NUMBER
(Assigned by NRC. Add Vol., Supp., Rev.,
and Addendum Numbers, if any.)

NUREG-0837
Vol. 16, No. 1

2. TITLE AND SUBTITLE

NRC TLD Direct Radiation Monitoring Network
Progress Report (January - March, 1996)

3. DATE REPORT PUBLISHED

MONTH YEAR

May 1996

4. FIN OR GRANT NUMBER

5. AUTHOR(S)

R. Struckmeyer

6. TYPE OF REPORT

Quarterly

7. PERIOD COVERED (Inclusive Dates)

January-March 1996

8. PERFORMING ORGANIZATION - NAME AND ADDRESS (If NRC, provide Division, Office or Region, U.S. Nuclear Regulatory Commission, and mailing address; if contractor, provide name and mailing address.)

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

9. SPONSORING ORGANIZATION - NAME AND ADDRESS (If NRC, type "Same as above"; if contractor, provide NRC Division, Office or Region, U.S. Nuclear Regulatory Commission, and mailing address.)

Same as 8. above

10. SUPPLEMENTARY NOTES

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 first quarter of 1996.

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

Thermoluminescent Dosimeter (TLD) Direct Radiation Monitoring
Network

ambient radiation levels

13. AVAILABILITY STATEMENT

Unlimited

14. SECURITY CLASSIFICATION

(This Page)

Unclassified

(This Report)

Unclassified

15. NUMBER OF PAGES

16. PRICE