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# NRC TLD Direct Radiation Monitoring Network

Progress Report  
July - September 1995

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U.S. Nuclear Regulatory Commission

NRC Region I

R. Struckmeyer



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July - September 1995

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Manuscript Completed: December 1995  
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R. Struckmeyer

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



## Preface

The U. S. Nuclear Regulatory Commission (NRC) Direct Radiation Monitoring Network is operated by the NRC in cooperation with participating states to provide continuous measurement of the ambient radiation levels around licensed NRC facilities, primarily power reactors. Ambient radiation levels result from naturally occurring radionuclides present in the soil, cosmic radiation constantly bombarding the earth from outer space, and the contribution, if any, from the monitored facilities and other man-made sources. The Network is intended to measure radiation levels during routine facility operations and to establish background radiation levels used to assess the radiological impact of an unusual condition, such as an accident. This report presents the radiation levels measured around all facilities in the Network for the third quarter of 1995. 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.

Sites Monitored During the Third Quarter 1995

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

## ARKANSAS

TLD Direct Radiation Environmental Monitoring

For the period 950611-951026 138 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	4	0.4	22.0 +- 0.7; 3.3	16.8 +- 0.8; 4.6	17.2 +- 1.1
2	353	4.1	22.4 +- 0.7; 3.4	17.2 +- 0.8; 4.7	17.2 +- 1.4
3	32	1.3	22.6 +- 0.7; 3.4	17.5 +- 0.8; 4.7	17.9 +- 1.2
4	13	3.3	21.7 +- 0.7; 3.3	16.5 +- 0.8; 4.6	16.6 +- 1.4
5	53	1.5	22.8 +- 0.7; 3.4	17.7 +- 0.8; 4.7	17.3 +- 1.5
6	37	3.6	21.3 +- 0.6; 3.2	16.1 +- 0.8; 4.5	16.4 +- 1.3
7	78	2.5	24.1 +- 0.7; 3.6	19.0 +- 0.8; 4.9	18.7 +- 1.5
8	60	3.2	24.6 +- 0.7; 3.7	19.5 +- 0.9; 4.9	19.8 +- 2.5
9	92	0.5	24.3 +- 0.7; 3.6	19.2 +- 0.9; 4.9	18.9 +- 1.7
10	83	5.5	21.9 +- 0.7; 3.3	16.7 +- 0.8; 4.6	17.4 +- 1.4
11	122	2.1	20.8 +- 0.6; 3.1	15.6 +- 0.8; 4.5	16.2 +- 1.4
12	109	6.8	22.9 +- 0.7; 3.4	17.7 +- 0.8; 4.7	17.9 +- 1.3
13	138	2.6	20.4 +- 0.6; 3.1	15.1 +- 0.7; 4.4	14.9 +- 1.4
14	130	4.9	21.2 +- 0.6; 3.2	16.0 +- 0.8; 4.5	15.9 +- 1.4
16	167	4.4	22.3 +- 0.7; 3.3	17.1 +- 0.8; 4.7	17.3 +- 1.1
17	171	0.4	21.8 +- 0.7; 3.3	16.7 +- 0.8; 4.6	16.9 +- 1.5
18	189	3.2	Missing Dosimeter	No Net Data	17.2 +- 1.4
19	205	2.9	21.1 +- 0.6; 3.2	15.9 +- 0.8; 4.5	16.6 +- 1.6
20	195	5.8	20.3 +- 0.6; 3.0	15.1 +- 0.7; 4.4	15.8 +- 1.8
21	235	0.5	24.1 +- 0.7; 3.6	19.0 +- 0.8; 4.9	19.2 +- 1.6
22	230	3.6	20.3 +- 0.6; 3.1	15.1 +- 0.7; 4.4	14.2 +- 1.5
23	257	2.8	23.2 +- 0.7; 3.5	18.0 +- 0.8; 4.8	15.8 +- 1.7
24	243	4.5	21.8 +- 0.7; 3.3	16.6 +- 0.8; 4.6	16.6 +- 1.4
25	279	1.2	Missing Dosimeter	No Net Data	19.9 +- 1.5
26	263	4.3	23.3 +- 0.7; 3.5	18.2 +- 0.8; 4.8	17.1 +- 1.4
27	298	0.4	24.5 +- 0.7; 3.7	19.4 +- 0.9; 4.9	18.5 +- 1.6
28	293	5.8	21.9 +- 0.7; 3.3	16.7 +- 0.8; 4.6	16.8 +- 1.5
29	326	1.9	23.0 +- 0.7; 3.5	17.9 +- 0.8; 4.7	17.7 +- 1.4
30	308	4.8	22.9 +- 0.7; 3.4	17.7 +- 0.8; 4.7	17.6 +- 1.6
31	345	1.3	24.3 +- 0.7; 3.6	19.2 +- 0.9; 4.9	18.3 +- 1.6
32	335	4.2	20.7 +- 0.6; 3.1	15.4 +- 0.8; 4.5	15.6 +- 1.5
33	110	0.8	24.0 +- 0.7; 3.6	18.9 +- 0.8; 4.9	18.4 +- 1.6
39	112	6.0	23.8 +- 0.7; 3.6	18.7 +- 0.8; 4.8	18.1 +- 1.6
40	147	8.0	24.2 +- 0.7; 3.6	19.1 +- 0.9; 4.9	18.2 +- 1.3
41	106	17.0	22.6 +- 0.7; 3.4	17.4 +- 0.8; 4.7	17.8 +- 1.2
42	310	17.0	20.4 +- 0.6; 3.1	15.2 +- 0.8; 4.4	15.8 +- 1.6
43	105	5.2	22.9 +- 0.7; 3.4	17.7 +- 0.8; 4.7	18.1 +- 1.6
44	315	13.0	23.1 +- 0.7; 3.5	18.0 +- 0.8; 4.8	17.3 +- 1.4
45	47	8.9	20.3 +- 0.6; 3.0	15.0 +- 0.7; 4.4	15.4 +- 1.8
46	115	8.3	23.8 +- 0.7; 3.6	18.7 +- 0.8; 4.8	18.1 +- 1.7
47	208	20.0	23.1 +- 0.7; 3.5	18.0 +- 0.8; 4.7	17.2 +- 2.2
48	179	19.0	23.8 +- 0.7; 3.6	18.7 +- 0.8; 4.8	17.1 +- 1.3
49	150	22.0	23.7 +- 0.7; 3.6	18.6 +- 0.8; 4.8	18.4 +- 1.7

Transit Dose = 5.7 +- 0.4; 3.0

ARKANSAS  
For the period 950611-951026

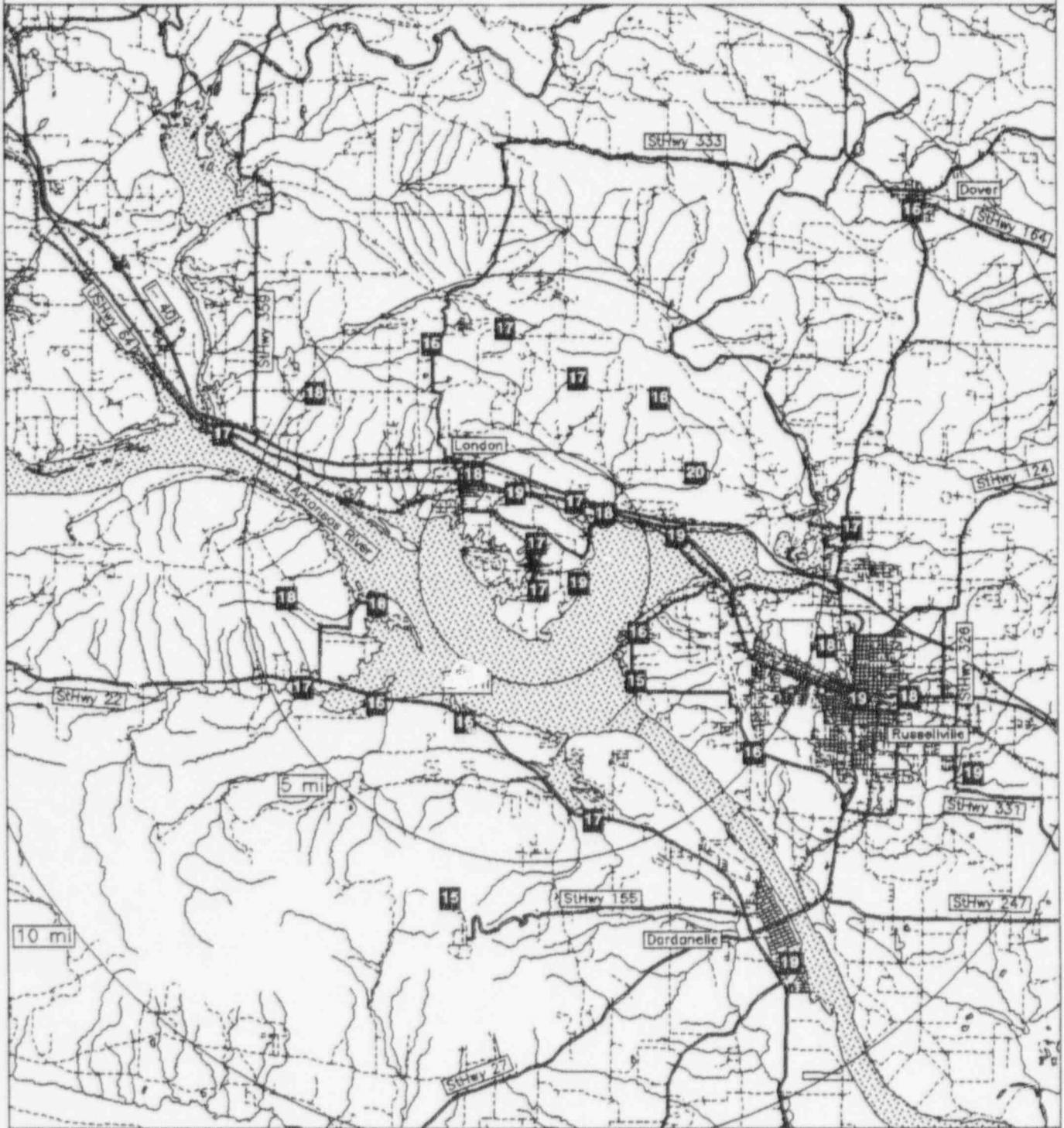
TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	17.0 +- 0.3	2
11.26 - 33.75 NNE	17.0 +- 0.7	2
33.76 - 56.25 NE	16.3 +- 1.3	3
56.26 - 78.75 ENE	19.3 +- 0.4	2
78.76 - 101.25 E	18.0 +- 1.7	2
101.26 - 123.75 ESE	17.8 +- 1.1	7
123.76 - 146.25 SE	15.6 +- 0.6	2
146.26 - 168.75 SSE	18.1 +- 1.4	2
168.76 - 191.25 S	16.7 +- 0.0	1
191.26 - 213.75 SSW	15.5 +- 0.6	2
213.76 - 236.25 SW	17.1 +- 2.8	2
236.26 - 258.75 WSW	17.3 +- 1.0	2
258.76 - 281.25 W	18.2 +- 0.0	1
281.26 - 303.75 WNW	18.0 +- 1.9	2
303.76 - 326.25 NW	17.2 +- 1.3	4
326.26 - 348.75 NNW	17.3 +- 2.7	2

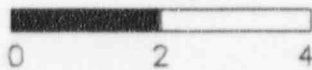
Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	18.2 +- 1.0	10
2 - 5	16.8 +- 1.4	16
> 5	17.2 +- 1.4	12
Upwind Control	18.4 +- 0.4	3



# NRC TLD DOSES FOR ARKANSAS AREA



Miles



### Legend



Water

Highways

Railroads

Roads



Plant..site

## BEAVER VALLEY

TLD Direct Radiation Environmental Monitoring

For the period 950614-951031 140 Days

Field Time: 104 Days

NRC Sta	Location		Gross Exposure (mR)		Net Exposure Rate (mR/Std. Qtr.)		Hist. Range Net Exp Rate	
	Azimuth/ (Deg)	Dist (Mi)	+-Rdm; Tot.		+-Rdm; Tot.		+-1 Std Dev	
1	340	15.8	23.9	+ - 0.7; 3.6	15.6	+ - 0.7; 4.3	16.8	+ - 1.3
2	3	13.1	24.1	+ - 0.7; 3.6	15.7	+ - 0.7; 4.4	17.1	+ - 1.5
4	29	11.9	24.6	+ - 0.7; 3.7	16.2	+ - 0.7; 4.4	19.3	+ - 2.3
5	53	8.2	26.3	+ - 0.8; 3.9	17.7	+ - 0.8; 4.6	18.3	+ - 1.3
6	58	9.1	26.2	+ - 0.8; 3.9	17.6	+ - 0.8; 4.6	19.1	+ - 1.4
7	97	8.0	27.2	+ - 0.8; 4.1	18.5	+ - 0.8; 4.7	19.4	+ - 1.4
8	110	4.2	25.3	+ - 0.8; 3.8	16.8	+ - 0.8; 4.5	18.7	+ - 1.3
9	111	1.9	27.8	+ - 0.8; 4.2	19.0	+ - 0.8; 4.7	19.7	+ - 1.6
10	92	2.2	27.5	+ - 0.8; 4.1	18.7	+ - 0.8; 4.7	19.2	+ - 1.3
11	64	3.6	27.7	+ - 0.8; 4.2	18.9	+ - 0.8; 4.7	19.3	+ - 1.6
12	148	4.0	28.7	+ - 0.9; 4.3	19.8	+ - 0.8; 4.8	20.8	+ - 1.4
13	171	4.4	26.3	+ - 0.8; 3.9	17.7	+ - 0.8; 4.6	18.4	+ - 1.3
14	183	4.4	26.2	+ - 0.8; 3.9	17.6	+ - 0.8; 4.6	18.3	+ - 1.4
15	198	3.6	26.6	+ - 0.8; 4.0	17.9	+ - 0.8; 4.6	18.5	+ - 1.3
16	254	5.7	26.1	+ - 0.8; 3.9	17.5	+ - 0.8; 4.5	18.1	+ - 1.1
17	267	6.5	24.0	+ - 0.7; 3.6	15.7	+ - 0.7; 4.4	17.4	+ - 1.4
18	231	2.5	26.5	+ - 0.8; 4.0	17.9	+ - 0.8; 4.6	18.4	+ - 1.4
19	266	2.5	26.9	+ - 0.8; 4.0	18.2	+ - 0.8; 4.6	19.9	+ - 1.3
20	291	3.8	23.9	+ - 0.7; 3.6	15.6	+ - 0.7; 4.3	16.8	+ - 1.8
21	287	1.8	29.5	+ - 0.9; 4.4	20.4	+ - 0.9; 4.9	20.6	+ - 1.5
22	219	1.5	25.4	+ - 0.8; 3.8	16.9	+ - 0.8; 4.5	17.6	+ - 1.3
23	252	2.4	31.2	+ - 0.9; 4.7	21.9	+ - 0.9; 5.1	20.9	+ - 2.1
24	207	2.2	27.7	+ - 0.8; 4.2	18.9	+ - 0.8; 4.7	19.4	+ - 1.4
25	187	2.2	Missing Dosimeter		No Net Data		19.8	+ - 1.3
26	158	2.2	24.9	+ - 0.7; 3.7	16.4	+ - 0.7; 4.4	18.7	+ - 1.5
27	135	1.9	26.2	+ - 0.8; 3.9	17.6	+ - 0.8; 4.6	19.5	+ - 1.5
28	99	1.4	27.9	+ - 0.8; 4.2	19.1	+ - 0.8; 4.7	20.1	+ - 1.5
29	64	1.4	26.3	+ - 0.8; 3.9	17.7	+ - 0.8; 4.6	18.2	+ - 1.4
30	53	1.0	26.9	+ - 0.8; 4.0	18.2	+ - 0.8; 4.6	18.8	+ - 1.4
31	320	1.4	Missing Dosimeter		No Net Data		21.2	+ - 1.8
32	320	3.5	25.6	+ - 0.8; 3.8	17.1	+ - 0.8; 4.5	18.5	+ - 1.6
33	335	2.5	26.8	+ - 0.8; 4.0	18.1	+ - 0.8; 4.6	18.8	+ - 1.5
34	340	5.2	22.4	+ - 0.7; 3.4	14.3	+ - 0.7; 4.2	16.5	+ - 2.0
35	4	3.5	27.2	+ - 0.8; 4.1	18.5	+ - 0.8; 4.7	19.4	+ - 1.4
36	23	3.2	29.9	+ - 0.9; 4.5	20.8	+ - 0.9; 4.9	21.6	+ - 1.6
37	42	2.8	23.6	+ - 0.7; 3.5	15.3	+ - 0.7; 4.3	16.4	+ - 1.2
38	27	1.6	23.9	+ - 0.7; 3.6	15.6	+ - 0.7; 4.3	17.3	+ - 1.4
39	348	1.6	26.8	+ - 0.8; 4.0	18.1	+ - 0.8; 4.6	18.7	+ - 1.6
40	340	15.8	23.4	+ - 0.7; 3.5	15.2	+ - 0.7; 4.3	16.1	+ - 1.3
41	340	15.8	23.7	+ - 0.7; 3.6	15.5	+ - 0.7; 4.3	16.7	+ - 1.1

Transit Dose = 5.9 +- 0.4; 3.5

BEAVER VALLEY  
For the period 950614-951031

TLD Direct Radiation Environmental Monitoring

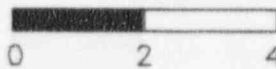
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	17.1 +- 1.9	2
11.26 - 33.75 NNE	17.5 +- 2.8	3
33.76 - 56.25 NE	17.1 +- 1.5	3
56.26 - 78.75 ENE	18.1 +- 0.7	3
78.76 - 101.25 E	18.8 +- 0.3	3
101.26 - 123.75 ESE	17.9 +- 1.5	2
123.76 - 146.25 SE	17.6 +- 0.0	1
146.26 - 168.75 SSE	18.1 +- 2.4	2
168.76 - 191.25 S	17.6 +- 0.0	2
191.26 - 213.75 SSW	18.4 +- 0.7	2
213.76 - 236.25 SW	17.4 +- 0.7	2
236.26 - 258.75 WSW	19.7 +- 3.1	2
258.76 - 281.25 W	17.0 +- 1.8	2
281.26 - 303.75 WNW	18.0 +- 3.4	2
303.76 - 326.25 NW	17.1 +- 0.0	1
326.26 - 348.75 NNW	16.8 +- 2.2	3

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	18.1 +- 1.4	9
2 - 5	18.1 +- 1.6	18
> 5	16.7 +- 1.4	8
Upwind Control	15.4 +- 0.2	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 950613-951025 135 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	208	4.9	17.9 +- 0.5; 2.7	13.1 +- 0.6; 4.0	13.6 +- 1.4
2	220	3.6	17.2 +- 0.5; 2.6	12.3 +- 0.6; 3.9	12.5 +- 1.7
3	204	2.4	17.5 +- 0.5; 2.6	12.7 +- 0.6; 4.0	12.8 +- 1.9
4	176	3.3	18.6 +- 0.6; 2.8	13.8 +- 0.7; 4.1	12.6 +- 1.6
5	161	4.6	18.0 +- 0.5; 2.7	13.2 +- 0.6; 4.0	13.0 +- 1.6
6	133	4.7	19.8 +- 0.6; 3.0	15.0 +- 0.7; 4.2	14.3 +- 1.8
7	116	3.7	18.6 +- 0.6; 2.8	13.8 +- 0.7; 4.1	14.9 +- 1.9
8	111	4.7	18.7 +- 0.6; 2.8	13.8 +- 0.7; 4.1	14.6 +- 2.2
9	98	4.5	17.5 +- 0.5; 2.6	12.7 +- 0.6; 4.0	13.2 +- 1.6
10	88	12.0	17.4 +- 0.5; 2.6	12.6 +- 0.6; 4.0	12.6 +- 1.5
11	83	16.0	17.5 +- 0.5; 2.6	12.7 +- 0.6; 4.0	12.9 +- 2.1
12	83	16.0	16.9 +- 0.5; 2.5	12.1 +- 0.6; 3.9	12.6 +- 1.8
13	83	16.0	17.6 +- 0.5; 2.6	12.8 +- 0.6; 4.0	12.7 +- 1.6
14	77	3.4	16.7 +- 0.5; 2.5	11.9 +- 0.6; 3.9	12.0 +- 1.5
15	96	1.8	18.0 +- 0.5; 2.7	13.1 +- 0.6; 4.0	13.9 +- 1.8
16	118	2.0	18.1 +- 0.5; 2.7	13.2 +- 0.6; 4.0	13.2 +- 1.9
17	134	2.0	18.9 +- 0.6; 2.8	14.1 +- 0.7; 4.1	13.5 +- 1.5
18	222	1.9	19.2 +- 0.6; 2.9	14.3 +- 0.7; 4.1	12.2 +- 2.0
19	194	1.4	19.4 +- 0.6; 2.9	14.6 +- 0.7; 4.2	15.0 +- 1.8
20	179	1.5	18.2 +- 0.5; 2.7	13.4 +- 0.6; 4.0	13.3 +- 1.6
21	153	1.1	17.5 +- 0.5; 2.6	12.7 +- 0.6; 4.0	13.0 +- 1.5

Transit Dose = 4.7 +- 0.4; 3.0

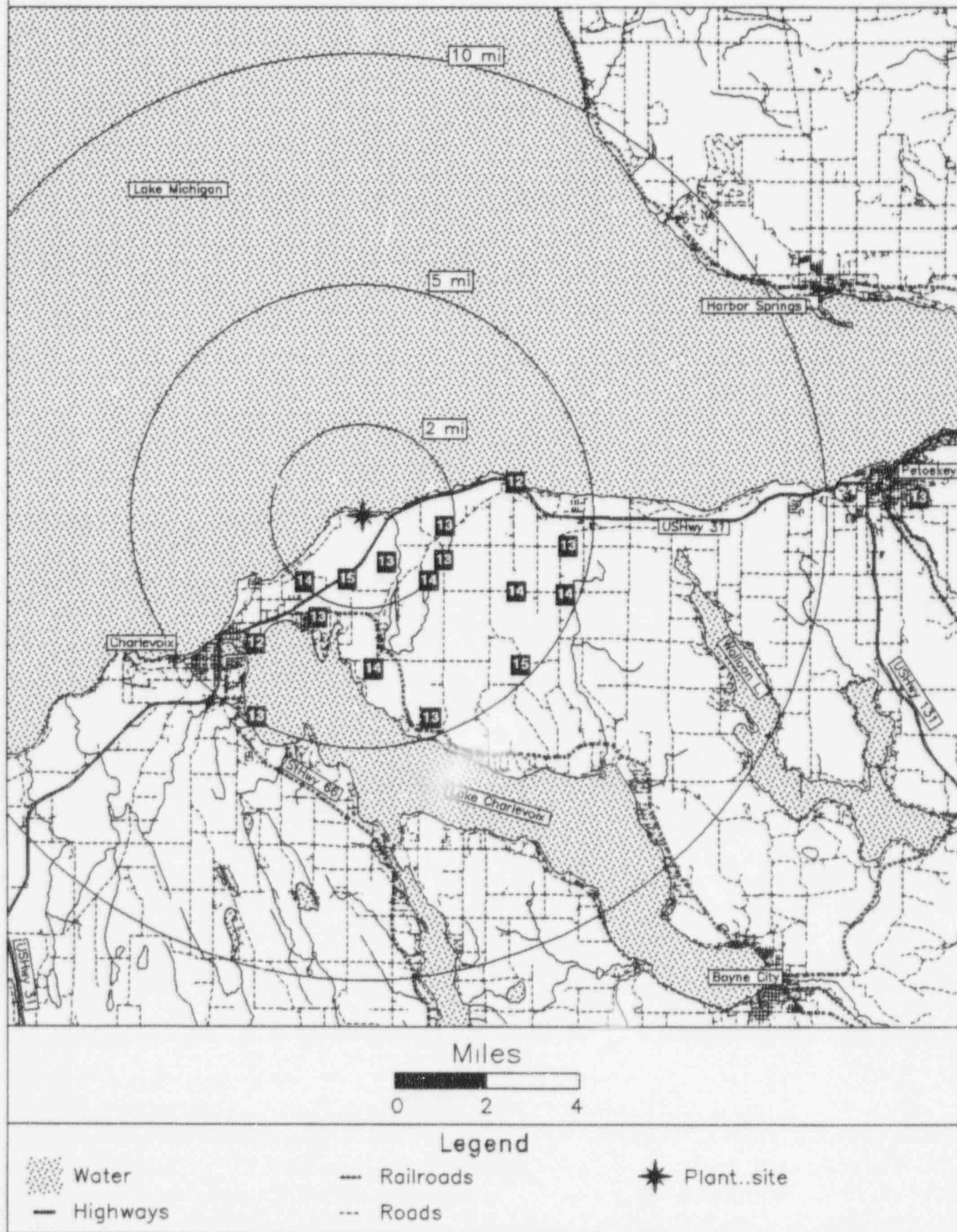
BIG ROCK  
For the period 950613-951025

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	11.9 +- 0.0	1
78.76 - 101.25 E	12.8 +- 0.3	3
101.26 - 123.75 ESE	13.6 +- 0.3	3
123.76 - 146.25 SE	14.5 +- 0.6	2
146.26 - 168.75 SSE	12.9 +- 0.3	2
168.76 - 191.25 S	13.6 +- 0.3	2
191.26 - 213.75 SSW	13.4 +- 1.0	3
213.76 - 236.25 SW	13.3 +- 1.4	2
236.26 - 258.75 WSW	No Data +- No Data	0
258.76 - 281.25 W	No Data +- No Data	0
281.26 - 303.75 WNW	No Data +- No Data	0
303.76 - 326.25 NW	No Data +- No Data	0
326.26 - 348.75 NNW	No Data +- No Data	0

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	13.6 +- 0.7	7
2 - 5	13.2 +- 0.9	10
> 5	12.6 +- 0.0	1
Upwind Control	12.5 +- 0.4	3

## NRC TLD DOSES FOR BIG ROCK POINT AREA



## BRAIDWOOD

TLD Direct Radiation Environmental Monitoring

For the period 950613-951026 136 Days

Field Time: 84 Days

NRC Sta	Location		Gross Exposure (mR)		Net Exposure Rate (mR/Std. Qtr.)		Hist. Range Net Exp Rate	
	Azimuth/ (Deg)	Dist (Mi)	+-Rdm; Tot.		+-Rdm; Tot.		+-1 Std Dev	
1	28	0.8	19.8	+- 0.6; 3.0	15.9	+- 0.7; 4.4	13.7	+- 3.1
2	29	1.3	19.0	+- 0.6; 2.8	15.0	+- 0.7; 4.3	14.7	+- 2.0
3	53	2.0	18.6	+- 0.6; 2.8	14.6	+- 0.7; 4.3	12.3	+- 3.1
4	72	2.1	19.4	+- 0.6; 2.9	15.5	+- 0.7; 4.4	14.9	+- 1.9
5	87	2.0	Missing Dosimeter		No Net Data		14.4	+- 2.3
6	119	2.5	19.3	+- 0.6; 2.9	15.4	+- 0.7; 4.4	13.7	+- 3.1
7	133	3.3	19.2	+- 0.6; 2.9	15.2	+- 0.7; 4.3	14.9	+- 1.9
8	151	3.3	18.6	+- 0.6; 2.8	14.6	+- 0.7; 4.3	14.0	+- 1.9
9	172	3.9	23.3	+- 0.7; 3.5	19.6	+- 0.8; 4.8	18.2	+- 3.9
10	197	2.8	19.0	+- 0.6; 2.9	15.1	+- 0.7; 4.3	14.9	+- 2.3
11	212	1.4	18.6	+- 0.6; 2.8	14.6	+- 0.7; 4.3	13.9	+- 2.2
12	232	1.0	18.0	+- 0.5; 2.7	13.9	+- 0.7; 4.2	13.7	+- 2.4
13	255	1.0	17.3	+- 0.5; 2.6	13.3	+- 0.7; 4.1	13.9	+- 1.7
14	278	1.2	18.9	+- 0.6; 2.8	15.0	+- 0.7; 4.3	14.4	+- 2.3
15	310	1.3	17.4	+- 0.5; 2.6	13.4	+- 0.7; 4.1	14.3	+- 2.2
16	342	1.3	18.5	+- 0.6; 2.8	14.5	+- 0.7; 4.3	12.2	+- 2.8
17	8	1.5	18.4	+- 0.6; 2.8	14.4	+- 0.7; 4.2	14.4	+- 2.2
18	18	3.5	20.0	+- 0.6; 3.0	16.1	+- 0.7; 4.4	17.9	+- 3.5
19	42	6.3	18.2	+- 0.5; 2.7	14.2	+- 0.7; 4.2	13.6	+- 2.7
20	69	5.7	21.5	+- 0.6; 3.2	17.7	+- 0.8; 4.6	15.7	+- 2.5
21	86	7.0	21.1	+- 0.6; 3.2	17.3	+- 0.8; 4.6	16.6	+- 2.3
22	103	11.4	22.6	+- 0.7; 3.4	18.9	+- 0.8; 4.7	15.8	+- 3.5
23	45	4.9	18.9	+- 0.6; 2.8	14.9	+- 0.7; 4.3	15.2	+- 2.2
24	70	4.2	17.9	+- 0.5; 2.7	13.9	+- 0.7; 4.2	14.4	+- 2.2
25	86	4.1	18.0	+- 0.5; 2.7	14.0	+- 0.7; 4.2	12.4	+- 3.0
26	125	5.0	18.5	+- 0.6; 2.8	14.5	+- 0.7; 4.3	13.3	+- 3.4
27	142	7.2	20.3	+- 0.6; 3.0	16.5	+- 0.8; 4.5	16.6	+- 3.0
28	161	6.1	17.3	+- 0.5; 2.6	13.3	+- 0.7; 4.1	14.5	+- 2.1
29	180	5.9	25.1	+- 0.8; 3.8	21.6	+- 0.9; 5.1	19.0	+- 3.3
30	187	5.8	22.8	+- 0.7; 3.4	19.1	+- 0.8; 4.8	19.8	+- 2.6
31	225	5.4	20.8	+- 0.6; 3.1	17.0	+- 0.8; 4.5	17.3	+- 2.2
32	253	4.0	18.8	+- 0.6; 2.8	14.8	+- 0.7; 4.3	15.0	+- 2.1
33	289	4.1	20.2	+- 0.6; 3.0	16.3	+- 0.8; 4.5	16.4	+- 2.4
34	315	4.0	19.5	+- 0.6; 2.9	15.6	+- 0.7; 4.4	15.9	+- 2.2
35	333	4.0	22.2	+- 0.7; 3.3	18.5	+- 0.8; 4.7	15.0	+- 2.7
36	0	5.5	17.5	+- 0.5; 2.6	13.5	+- 0.7; 4.2	14.7	+- 2.4
37	21	5.0	17.9	+- 0.5; 2.7	13.9	+- 0.7; 4.2	12.3	+- 3.3
38	224	14.7	18.3	+- 0.6; 2.8	14.3	+- 0.7; 4.2	14.1	+- 2.6
39	224	14.7	18.8	+- 0.6; 2.8	14.8	+- 0.7; 4.3	13.8	+- 2.2
40	187	10.3	23.3	+- 0.7; 3.5	19.7	+- 0.8; 4.8	17.8	+- 3.0

Transit Dose = 5.0 +- 0.4; 2.9



## BRAIDWOOD

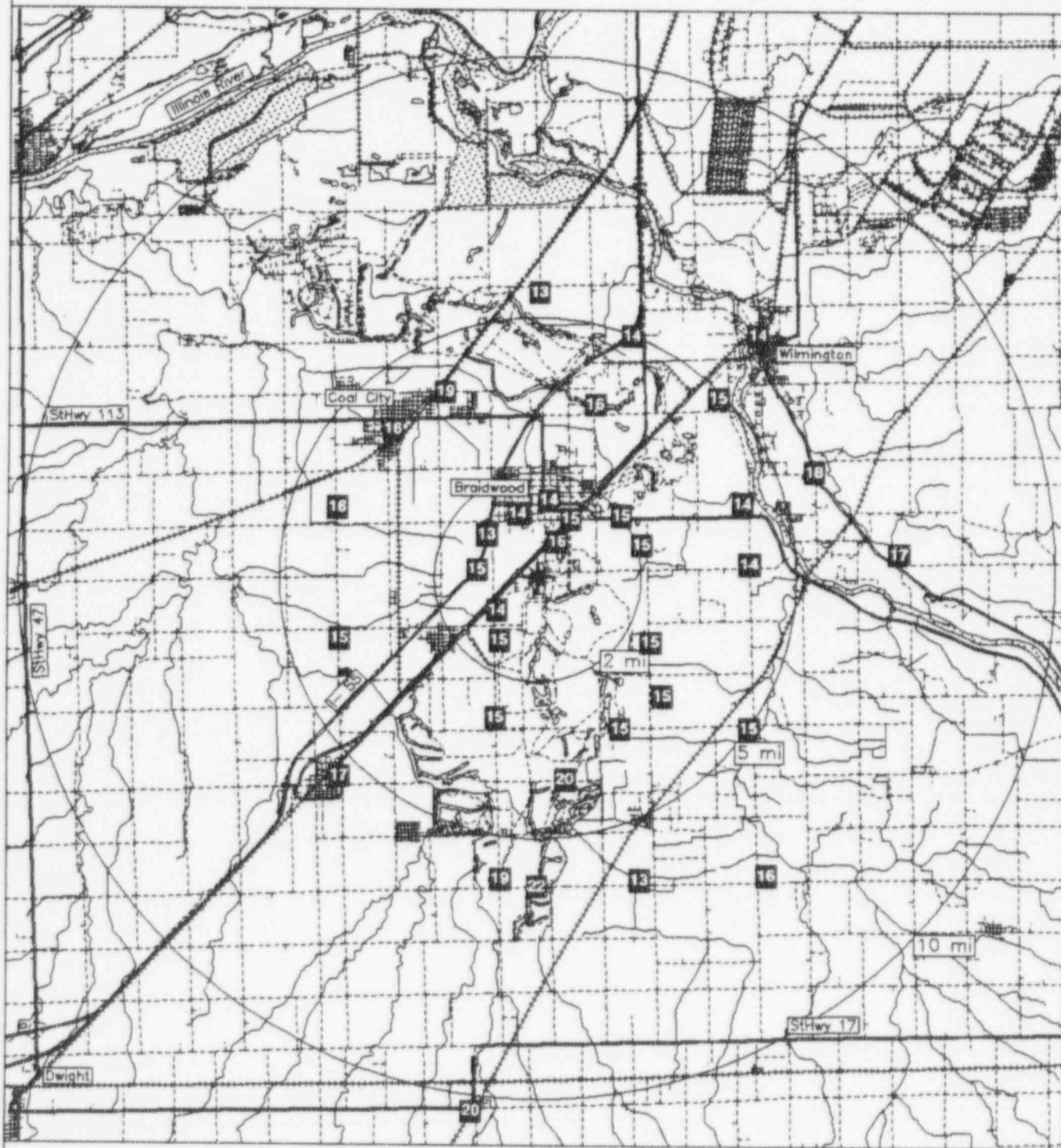
For the period 950613-951026

## TLD Direct Radiation Environmental Monitoring

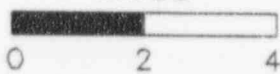
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	13.9 +- 0.6	2
11.26 - 33.75 NNE	15.2 +- 1.0	4
33.76 - 56.25 NE	14.6 +- 0.4	3
56.26 - 78.75 ENE	15.7 +- 1.9	3
78.76 - 101.25 E	15.7 +- 2.3	2
101.26 - 123.75 ESE	17.1 +- 2.5	2
123.76 - 146.25 SE	15.4 +- 1.0	3
146.26 - 168.75 SSE	13.9 +- 0.9	2
168.76 - 191.25 S	20.1 +- 1.3	3
191.26 - 213.75 SSW	14.8 +- 0.3	2
213.76 - 236.25 SW	15.1 +- 1.6	3
236.26 - 258.75 WSW	14.0 +- 1.1	2
258.76 - 281.25 W	15.0 +- 0.0	1
281.26 - 303.75 WNW	16.3 +- 0.0	1
303.76 - 326.25 NW	14.5 +- 1.5	2
326.26 - 348.75 NNW	16.5 +- 2.9	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	14.5 +- 0.8	10
2 - 5	15.5 +- 1.6	16
> 5	16.7 +- 2.7	11
Upwind Control	17.3 +- 3.4	2

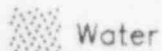
# NRC TLD DOSES FOR BRAIDWOOD AREA



Miles



### Legend



Water



Railroads



Plant..site



Highways



Roads

## BROWNS FERRY

TLD Direct Radiation Environmental Monitoring

For the period 950614-951024 133 Days

Field Time: 98 Days

NRC Sta	Location		Gross Exposure (mR)		Net Exposure Rate (mR/Std. Qtr.)		Hist. Range Net Exp Rate	
	Azimuth/ (Deg)	Dist (Mi)	+-Rdm; Tot.		+-Rdm; Tot.		+-1 Std Dev	
1	130	9.0	17.4	+- 0.5; 2.6	14.4	+- 0.6; 3.6	14.2	+- 1.9
2	133	5.5	20.8	+- 0.6; 3.1	17.4	+- 0.6; 4.0	15.3	+- 2.3
3	153	4.3	Missing Dosimeter		No Net Data		14.7	+- 2.2
4	210	5.8	22.8	+- 0.7; 3.4	19.3	+- 0.7; 4.2	17.7	+- 2.4
5	220	6.0	19.2	+- 0.6; 2.9	16.0	+- 0.6; 3.8	15.0	+- 2.1
6	245	4.5	23.0	+- 0.7; 3.5	19.5	+- 0.7; 4.2	18.4	+- 2.3
7	269	1.9	20.1	+- 0.6; 3.0	16.8	+- 0.6; 3.9	16.4	+- 2.2
8	257	11.0	19.2	+- 0.6; 2.9	16.0	+- 0.6; 3.8	15.6	+- 2.0
9	295	7.0	20.5	+- 0.6; 3.1	17.2	+- 0.6; 3.9	16.4	+- 2.4
10	292	4.5	20.0	+- 0.6; 3.0	16.8	+- 0.6; 3.9	16.5	+- 2.1
11	269	1.9	20.2	+- 0.6; 3.0	17.0	+- 0.6; 3.9	16.7	+- 2.1
12	240	2.6	20.2	+- 0.6; 3.0	16.9	+- 0.6; 3.9	15.5	+- 2.1
13	220	1.7	20.5	+- 0.6; 3.1	17.2	+- 0.6; 3.9	18.5	+- 2.8
14	268	17.0	21.7	+- 0.7; 3.3	18.3	+- 0.7; 4.1	17.2	+- 2.2
15	201	3.0	20.8	+- 0.6; 3.1	17.4	+- 0.6; 4.0	17.1	+- 2.1
16	181	3.0	18.1	+- 0.5; 2.7	15.0	+- 0.6; 3.7	15.7	+- 2.4
17	50	9.5	22.1	+- 0.7; 3.3	18.6	+- 0.7; 4.1	17.4	+- 2.1
18	51	3.5	19.5	+- 0.6; 2.9	16.3	+- 0.6; 3.8	15.7	+- 1.9
19	62	3.2	21.0	+- 0.6; 3.1	17.6	+- 0.6; 4.0	16.2	+- 2.2
20	86	2.8	24.0	+- 0.7; 3.6	20.4	+- 0.7; 4.3	18.6	+- 2.2
21	111	3.1	23.5	+- 0.7; 3.5	19.9	+- 0.7; 4.2	19.2	+- 2.3
22	64	1.1	24.2	+- 0.7; 3.6	20.6	+- 0.7; 4.3	19.9	+- 2.2
23	90	26.0	19.1	+- 0.6; 2.9	15.9	+- 0.6; 3.8	16.6	+- 2.4
24	111	0.8	22.3	+- 0.7; 3.3	18.9	+- 0.7; 4.1	17.8	+- 2.0
25	46	2.2	22.7	+- 0.7; 3.4	19.2	+- 0.7; 4.2	18.0	+- 2.3
26	26	1.7	25.2	+- 0.8; 3.8	21.5	+- 0.7; 4.4	19.7	+- 2.3
27	333	1.7	20.0	+- 0.6; 3.0	16.7	+- 0.6; 3.9	16.5	+- 2.1
28	335	1.0	23.1	+- 0.7; 3.5	19.6	+- 0.7; 4.2	18.2	+- 2.6
29	27	3.8	21.8	+- 0.7; 3.3	18.4	+- 0.7; 4.1	17.8	+- 2.2
30	0	4.0	19.2	+- 0.6; 2.9	16.0	+- 0.6; 3.8	15.2	+- 2.1
31	340	5.3	23.2	+- 0.7; 3.5	19.7	+- 0.7; 4.2	18.3	+- 2.1
32	312	12.0	21.5	+- 0.6; 3.2	18.1	+- 0.7; 4.0	17.8	+- 2.4
33	0	1.5	23.5	+- 0.7; 3.5	19.9	+- 0.7; 4.2	19.2	+- 2.2
34	52	7.0	19.8	+- 0.6; 3.0	16.5	+- 0.6; 3.9	16.4	+- 2.4
35	95	5.4	21.7	+- 0.7; 3.3	18.3	+- 0.7; 4.1	17.0	+- 2.2
36	68	5.6	23.6	+- 0.7; 3.5	20.0	+- 0.7; 4.3	17.9	+- 2.3
37	149	7.8	22.1	+- 0.7; 3.3	18.7	+- 0.7; 4.1	16.6	+- 2.2
38	164	7.0	18.4	+- 0.6; 2.8	15.3	+- 0.6; 3.7	13.9	+- 2.2

Transit Dose = 1.8 +- 0.3; 3.0

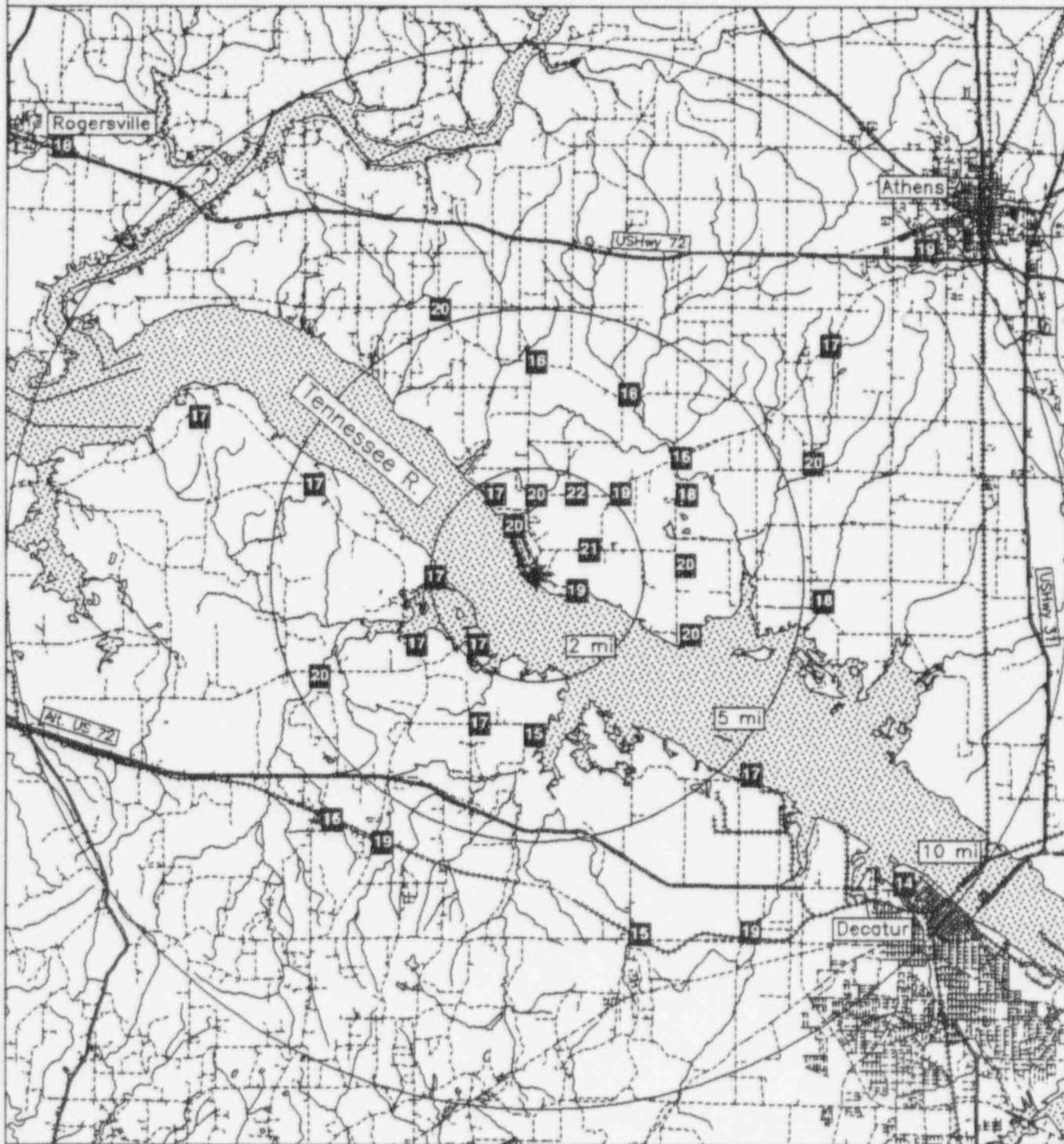
BROWNS FERRY  
For the period 950614-951024

TLD Direct Radiation Environmental Monitoring

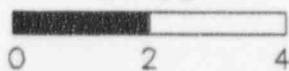
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	17.9 +- 2.8	2
11.26 - 33.75 NNE	20.0 +- 2.2	2
33.76 - 56.25 NE	17.7 +- 1.5	4
56.26 - 78.75 ENE	19.4 +- 1.6	3
78.76 - 101.25 E	18.2 +- 2.2	3
101.26 - 123.75 ESE	19.4 +- 0.8	2
123.76 - 146.25 SE	15.9 +- 2.2	2
146.26 - 168.75 SSE	17.0 +- 2.4	2
168.76 - 191.25 S	15.0 +- 0.0	1
191.26 - 213.75 SSW	18.4 +- 1.3	2
213.76 - 236.25 SW	16.6 +- 0.9	2
236.26 - 258.75 WSW	18.2 +- 1.8	2
258.76 - 281.25 W	16.9 +- 0.1	2
281.26 - 303.75 WNW	17.0 +- 0.3	2
303.76 - 326.25 NW	18.1 +- 0.0	1
326.26 - 348.75 NNW	18.6 +- 1.7	3

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	18.7 +- 1.8	9
2 - 5	17.8 +- 1.7	12
> 5	17.5 +- 1.7	14
Upwind Control	17.1 +- 1.6	2

# NRC TLD DOSES FOR BROWNS FERRY AREA



Miles



## Legend

- Water
- Highways

- Railroads
- Roads

- Plant site

## BRUNSWICK

TLD Direct Radiation Environmental Monitoring

For the period 950614-951018 127 Days

Field Time: 90 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	260	2.2	14.9 +- 0.4; 2.2	10.9 +- 0.6; 3.7	10.2 +- 1.6
2	245	3.4	12.3 +- 0.4; 1.8	8.3 +- 0.5; 3.5	10.0 +- 1.6
3	231	3.8	11.7 +- 0.4; 1.8	7.7 +- 0.5; 3.4	9.7 +- 1.8
4	210	4.9	15.1 +- 0.5; 2.3	11.1 +- 0.6; 3.7	12.4 +- 1.7
5	186	4.3	15.5 +- 0.5; 2.3	11.5 +- 0.6; 3.7	12.2 +- 1.8
6	270	4.5	13.9 +- 0.4; 2.1	9.9 +- 0.5; 3.6	10.3 +- 1.3
7	272	4.4	12.3 +- 0.4; 1.9	8.4 +- 0.5; 3.5	11.0 +- 1.5
8	73	1.3	14.4 +- 0.4; 2.2	10.4 +- 0.6; 3.6	12.2 +- 1.8
9	97	1.0	15.4 +- 0.5; 2.3	11.4 +- 0.6; 3.7	12.0 +- 1.6
10	120	1.5	Damaged Dosimeter	No Net Data	12.3 +- 1.4
11	131	0.9	14.5 +- 0.4; 2.2	10.5 +- 0.6; 3.7	11.8 +- 1.6
12	156	1.1	14.5 +- 0.4; 2.2	10.5 +- 0.6; 3.6	12.4 +- 1.6
13	180	1.1	14.1 +- 0.4; 2.1	10.1 +- 0.5; 3.6	11.5 +- 1.5
14	194	2.4	14.1 +- 0.4; 2.1	10.1 +- 0.5; 3.6	11.3 +- 1.7
15	201	2.0	13.6 +- 0.4; 2.0	9.6 +- 0.5; 3.6	10.9 +- 1.6
16	218	1.2	12.5 +- 0.4; 1.9	8.5 +- 0.5; 3.5	11.9 +- 2.1
17	252	1.1	15.3 +- 0.5; 2.3	11.3 +- 0.6; 3.7	11.9 +- 1.5
18	272	1.2	14.2 +- 0.4; 2.1	10.2 +- 0.5; 3.6	11.5 +- 1.9
19	19	1.1	13.4 +- 0.4; 2.0	9.4 +- 0.5; 3.6	11.0 +- 1.6
20	2	1.1	Missing Dosimeter	No Net Data	10.7 +- 1.9
21	288	1.3	12.8 +- 0.4; 1.9	8.9 +- 0.5; 3.5	10.3 +- 1.9
22	307	1.5	14.2 +- 0.4; 2.1	10.2 +- 0.5; 3.6	10.7 +- 1.4
23	338	2.1	14.3 +- 0.4; 2.1	10.3 +- 0.5; 3.6	11.5 +- 1.7
24	325	4.9	12.8 +- 0.4; 1.9	8.8 +- 0.5; 3.5	10.4 +- 1.5
25	338	3.8	13.9 +- 0.4; 2.1	9.9 +- 0.5; 3.6	11.6 +- 1.6
26	356	5.2	13.0 +- 0.4; 2.0	9.0 +- 0.5; 3.5	10.6 +- 1.5
27	30	6.4	13.6 +- 0.4; 2.0	9.6 +- 0.5; 3.6	10.4 +- 1.6
28	43	9.0	14.5 +- 0.4; 2.2	10.5 +- 0.6; 3.7	11.7 +- 2.2
29	50	8.5	14.1 +- 0.4; 2.1	10.1 +- 0.5; 3.6	11.3 +- 1.9
30	59	7.2	13.5 +- 0.4; 2.0	9.5 +- 0.5; 3.6	11.6 +- 1.7
31	65	6.5	14.4 +- 0.4; 2.2	10.4 +- 0.6; 3.6	11.5 +- 1.6
32	74	5.8	14.7 +- 0.4; 2.2	10.7 +- 0.6; 3.7	12.1 +- 2.0
33	88	4.1	13.6 +- 0.4; 2.0	9.6 +- 0.5; 3.6	10.8 +- 1.8
34	12	17.0	15.2 +- 0.5; 2.3	11.2 +- 0.6; 3.7	12.0 +- 1.6
35	16	18.0	13.5 +- 0.4; 2.0	9.5 +- 0.5; 3.6	10.7 +- 1.6
36	284	15.0	14.3 +- 0.4; 2.2	10.4 +- 0.5; 3.6	11.9 +- 2.1
37	284	16.0	13.5 +- 0.4; 2.0	9.5 +- 0.5; 3.6	12.3 +- 2.2
38	284	15.0	14.2 +- 0.4; 2.1	10.3 +- 0.5; 3.6	11.7 +- 1.7
39	287	4.6	14.2 +- 0.4; 2.1	10.2 +- 0.5; 3.6	10.8 +- 1.5
40	271	0.7	15.8 +- 0.5; 2.4	11.8 +- 0.6; 3.8	12.8 +- 1.7

Transit Dose = 4.0 +- 0.3; 2.9

BRUNSWICK  
For the period 950614-951018

## TLD Direct Radiation Environmental Monitoring

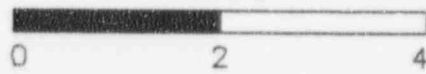
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	9.0 +- 0.0	1
11.26 - 33.75 NNE	9.9 +- 0.9	4
33.76 - 56.25 NE	10.3 +- 0.3	2
56.26 - 78.75 ENE	10.3 +- 0.5	4
78.76 - 101.25 E	10.5 +- 1.2	2
101.26 - 123.75 ESE	No Data +- No Data	0
123.76 - 146.25 SE	10.5 +- 0.0	1
146.26 - 168.75 SSE	10.5 +- 0.0	1
168.76 - 191.25 S	10.8 +- 1.0	2
191.26 - 213.75 SSW	10.3 +- 0.8	3
213.76 - 236.25 SW	8.1 +- 0.6	2
236.26 - 258.75 WSW	9.8 +- 2.1	2
258.76 - 281.25 W	10.2 +- 1.3	5
281.26 - 303.75 WNW	9.5 +- 1.0	2
303.76 - 326.25 NW	9.5 +- 1.0	2
326.26 - 348.75 NNW	10.1 +- 0.3	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	10.2 +- 1.0	13
2 - 5	9.7 +- 1.2	13
> 5	10.1 +- 0.7	9
Upwind Control	10.0 +- 0.5	3

# NRC TLD DOSES FOR BRUNSWICK AREA



Miles



### Legend

Water

Highways

Railroads

Roads

Plant..site



## BYRON

TLD Direct Radiation Environmental Monitoring

For the period 950613-951026 136 Days

Field Time: 90 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	10	1.1	22.4 +- 0.7; 3.4	18.1 +- 0.8; 4.5	19.0 +- 2.0
2	27	1.0	22.4 +- 0.7; 3.4	18.1 +- 0.8; 4.5	18.6 +- 1.9
3	53	1.6	21.1 +- 0.6; 3.2	16.8 +- 0.7; 4.3	17.4 +- 1.7
4	68	1.6	23.1 +- 0.7; 3.5	18.8 +- 0.8; 4.6	20.1 +- 2.3
5	97	1.4	23.8 +- 0.7; 3.6	19.5 +- 0.8; 4.6	20.7 +- 2.0
6	120	1.3	24.0 +- 0.7; 3.6	19.7 +- 0.8; 4.7	18.8 +- 1.8
7	146	1.4	23.5 +- 0.7; 3.5	19.2 +- 0.8; 4.6	19.9 +- 2.5
8	175	2.2	22.8 +- 0.7; 3.4	18.5 +- 0.8; 4.5	18.7 +- 1.7
9	177	0.6	19.3 +- 0.6; 2.9	15.0 +- 0.7; 4.1	16.1 +- 1.7
10	183	0.5	21.4 +- 0.6; 3.2	17.1 +- 0.7; 4.4	18.5 +- 2.2
11	193	0.6	20.1 +- 0.6; 3.0	15.8 +- 0.7; 4.2	17.7 +- 2.2
12	220	0.9	22.5 +- 0.7; 3.4	18.2 +- 0.8; 4.5	18.3 +- 1.7
13	239	0.8	21.0 +- 0.6; 3.2	16.7 +- 0.7; 4.3	17.6 +- 1.6
14	262	0.7	21.4 +- 0.6; 3.2	17.1 +- 0.7; 4.4	19.0 +- 2.1
15	283	0.8	21.0 +- 0.6; 3.2	16.7 +- 0.7; 4.3	18.1 +- 2.0
16	303	1.0	22.0 +- 0.7; 3.3	17.7 +- 0.7; 4.4	16.7 +- 1.7
17	326	1.6	19.5 +- 0.6; 2.9	15.2 +- 0.7; 4.2	16.4 +- 2.1
18	23	4.0	19.6 +- 0.6; 2.9	15.3 +- 0.7; 4.2	15.7 +- 1.5
19	17	4.1	18.2 +- 0.5; 2.7	13.9 +- 0.6; 4.0	14.4 +- 1.3
20	5	4.3	21.4 +- 0.6; 3.2	17.1 +- 0.7; 4.4	17.1 +- 1.8
21	340	4.2	23.1 +- 0.7; 3.5	18.8 +- 0.8; 4.6	18.4 +- 2.2
22	322	4.9	21.1 +- 0.6; 3.2	16.8 +- 0.7; 4.3	18.6 +- 2.6
23	290	6.9	20.7 +- 0.6; 3.1	16.4 +- 0.7; 4.3	15.8 +- 1.4
24	262	4.8	18.9 +- 0.6; 2.8	14.6 +- 0.7; 4.1	15.8 +- 1.5
25	244	4.6	20.8 +- 0.6; 3.1	16.5 +- 0.7; 4.3	15.8 +- 1.5
26	224	4.8	20.0 +- 0.6; 3.0	15.7 +- 0.7; 4.2	16.3 +- 1.9
27	208	5.2	18.8 +- 0.6; 2.8	14.5 +- 0.7; 4.1	14.8 +- 1.4
28	209	14.0	18.4 +- 0.6; 2.8	14.1 +- 0.7; 4.1	14.4 +- 1.3
29	215	13.0	21.9 +- 0.7; 3.3	17.6 +- 0.7; 4.4	17.4 +- 1.7
30	215	13.0	22.7 +- 0.7; 3.4	18.4 +- 0.8; 4.5	18.3 +- 1.9
31	204	4.6	18.0 +- 0.5; 2.7	13.7 +- 0.6; 4.0	13.5 +- 1.4
32	178	4.4	20.4 +- 0.6; 3.1	16.1 +- 0.7; 4.3	15.9 +- 1.4
33	155	3.9	21.7 +- 0.7; 3.3	17.4 +- 0.7; 4.4	17.6 +- 1.7
34	138	4.6	21.8 +- 0.7; 3.3	17.5 +- 0.7; 4.4	17.8 +- 1.7
35	118	4.4	22.4 +- 0.7; 3.4	18.0 +- 0.8; 4.5	18.8 +- 2.1
36	81	3.8	22.0 +- 0.7; 3.3	17.7 +- 0.7; 4.4	16.9 +- 1.9
37	70	5.5	18.9 +- 0.6; 2.8	14.5 +- 0.7; 4.1	16.4 +- 2.0
38	45	4.0	19.2 +- 0.6; 2.9	14.9 +- 0.7; 4.1	15.1 +- 1.7
39	40	6.8	22.6 +- 0.7; 3.4	18.3 +- 0.8; 4.5	18.1 +- 1.5
40	45	15.0	18.1 +- 0.5; 2.7	13.8 +- 0.6; 4.0	14.4 +- 1.3
41	220	3.0	22.0 +- 0.7; 3.3	17.7 +- 0.7; 4.4	19.4 +- 2.3

Transit Dose = 4.3 +- 0.4; 3.0

BYRON

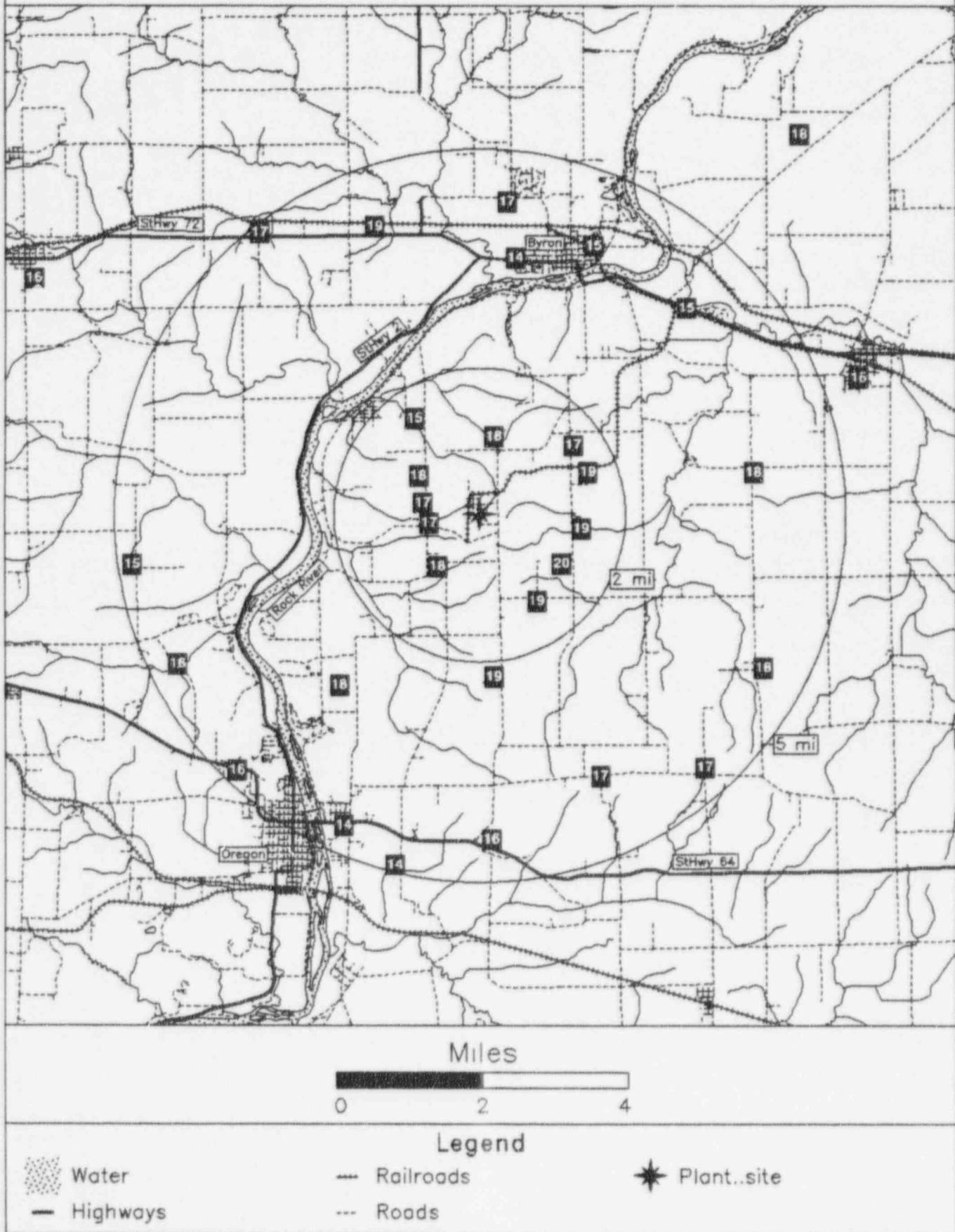
For the period 950613-951026

## 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 +- 0.7	2
11.26 - 33.75 NNE	15.7 +- 2.1	3
33.76 - 56.25 NE	16.0 +- 2.0	4
56.26 - 78.75 ENE	16.7 +- 3.0	2
78.76 - 101.25 E	18.6 +- 1.3	2
101.26 - 123.75 ESE	18.9 +- 1.2	2
123.76 - 146.25 SE	18.3 +- 1.2	2
146.26 - 168.75 SSE	17.4 +- 0.0	1
168.76 - 191.25 S	16.7 +- 1.5	4
191.26 - 213.75 SSW	14.6 +- 1.0	3
213.76 - 236.25 SW	17.2 +- 1.4	3
236.26 - 258.75 WSW	16.6 +- 0.2	2
258.76 - 281.25 W	15.8 +- 1.8	2
281.26 - 303.75 WNW	16.9 +- 0.7	3
303.76 - 326.25 NW	16.0 +- 1.1	2
326.26 - 348.75 NNW	18.8 +- 0.0	1

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	17.5 +- 1.4	16
2 - 5	16.5 +- 1.6	17
> 5	15.5 +- 1.8	5
Upwind Control	16.7 +- 2.2	3

## NRC TLD DOSES FOR BYRON AREA



## CALLAWAY

TLD Direct Radiation Environmental Monitoring

For the period 950613-951026 136 Days

Field Time: 97 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)		Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	247	2.1	24.6 +- 0.7; 3.7	19.5 +- 0.8; 4.5	20.9 +- 2.6
2	259	1.4	23.4 +- 0.7; 3.5	18.4 +- 0.7; 4.3	19.5 +- 2.1
3	282	1.3	23.4 +- 0.7; 3.5	18.4 +- 0.7; 4.3	19.4 +- 1.7
4	304	1.3	23.7 +- 0.7; 3.6	18.7 +- 0.7; 4.4	20.2 +- 2.6
5	330	1.7	24.6 +- 0.7; 3.7	19.5 +- 0.8; 4.5	18.0 +- 2.0
6	1	1.7	22.9 +- 0.7; 3.4	17.9 +- 0.7; 4.3	17.0 +- 0.8
7	23	2.0	21.5 +- 0.6; 3.2	16.6 +- 0.7; 4.2	17.0 +- 0.9
8	77	0.7	23.0 +- 0.7; 3.4	18.0 +- 0.7; 4.3	17.8 +- 0.8
9	85	1.4	22.2 +- 0.7; 3.3	17.3 +- 0.7; 4.2	18.6 +- 1.1
10	98	1.5	Missing Dosimeter	No Net Data	17.2 +- 1.0
11	121	2.0	21.4 +- 0.6; 3.2	16.6 +- 0.7; 4.1	18.6 +- 2.7
12	140	2.0	21.7 +- 0.7; 3.3	16.8 +- 0.7; 4.2	18.3 +- 1.9
13	158	2.5	22.9 +- 0.7; 3.4	17.9 +- 0.7; 4.3	17.7 +- 1.0
14	183	3.7	23.5 +- 0.7; 3.5	18.5 +- 0.7; 4.4	18.7 +- 1.7
15	188	1.7	25.6 +- 0.8; 3.8	20.4 +- 0.8; 4.6	18.5 +- 1.1
16	202	0.7	23.0 +- 0.7; 3.5	18.0 +- 0.7; 4.3	17.3 +- 1.0
17	237	0.7	23.5 +- 0.7; 3.5	18.5 +- 0.7; 4.4	19.2 +- 1.8
18	312	11.0	24.6 +- 0.7; 3.7	19.5 +- 0.8; 4.5	17.7 +- 1.7
19	292	10.0	23.0 +- 0.7; 3.4	18.0 +- 0.7; 4.3	17.4 +- 1.0
20	268	9.0	23.6 +- 0.7; 3.5	18.6 +- 0.7; 4.4	17.9 +- 0.9
21	247	8.0	23.7 +- 0.7; 3.5	18.6 +- 0.7; 4.4	20.0 +- 2.2
22	225	8.0	22.6 +- 0.7; 3.4	17.7 +- 0.7; 4.3	17.6 +- 1.0
23	220	8.0	25.6 +- 0.8; 3.8	20.4 +- 0.8; 4.6	19.1 +- 2.0
24	205	5.5	22.3 +- 0.7; 3.3	17.3 +- 0.7; 4.2	16.3 +- 2.2
25	157	4.0	23.8 +- 0.7; 3.6	18.8 +- 0.7; 4.4	20.3 +- 2.4
26	134	5.0	Missing Dosimeter	No Net Data	16.0 +- 1.0
27	115	4.2	24.0 +- 0.7; 3.6	18.9 +- 0.7; 4.4	20.8 +- 2.3
28	95	3.5	Missing Dosimeter	No Net Data	20.7 +- 2.0
29	67	3.4	25.9 +- 0.8; 3.9	20.7 +- 0.8; 4.6	19.4 +- 1.0
30	48	4.5	21.2 +- 0.6; 3.2	16.4 +- 0.7; 4.1	16.6 +- 0.9
31	14	6.5	24.3 +- 0.7; 3.6	19.2 +- 0.7; 4.4	18.8 +- 1.0
32	2	5.1	23.6 +- 0.7; 3.5	18.6 +- 0.7; 4.4	18.6 +- 1.0
33	335	3.6	21.3 +- 0.6; 3.2	16.5 +- 0.7; 4.1	16.1 +- 1.1
34	288	4.3	24.5 +- 0.7; 3.7	19.5 +- 0.8; 4.5	18.7 +- 1.0
35	310	5.2	24.8 +- 0.7; 3.7	19.6 +- 0.8; 4.5	18.7 +- 1.0
36	264	3.2	18.5 +- 0.6; 2.8	13.9 +- 0.6; 3.9	14.4 +- 1.2
37	237	3.0	25.0 +- 0.7; 3.7	19.8 +- 0.8; 4.5	19.7 +- 1.7
38	270	15.0	23.1 +- 0.7; 3.5	18.1 +- 0.7; 4.3	16.5 +- 1.8
39	270	15.0	22.4 +- 0.7; 3.4	17.4 +- 0.7; 4.2	16.8 +- 2.8
40	203	20.0	23.7 +- 0.7; 3.6	18.6 +- 0.7; 4.4	18.4 +- 0.8

Transit Dose = 3.6 +- 0.3; 3.1

CALLAWAY

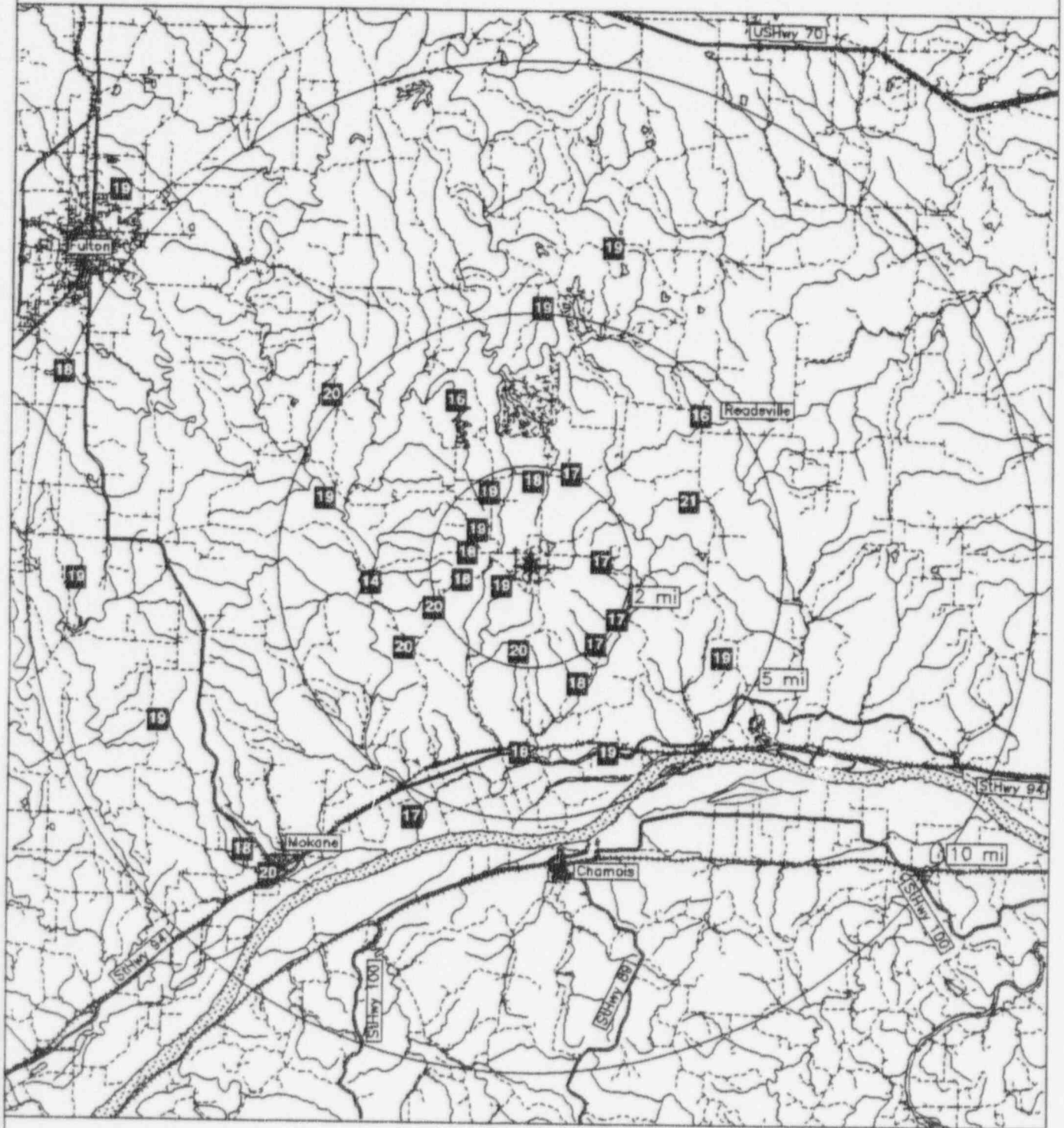
For the period 950613-951026

## TLD Direct Radiation Environmental Monitoring

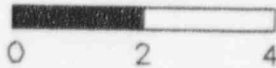
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	18.2 +- 0.5	2
11.26 - 33.75 NNE	17.9 +- 1.8	2
33.76 - 56.25 NE	16.4 +- 0.0	1
56.26 - 78.75 ENE	19.3 +- 1.9	2
78.76 - 101.25 E	17.3 +- 0.0	1
101.26 - 123.75 ESE	17.7 +- 1.7	2
123.76 - 146.25 SE	16.8 +- 0.0	1
146.26 - 168.75 SSE	18.3 +- 0.6	2
168.76 - 191.25 S	19.4 +- 1.4	2
191.26 - 213.75 SSW	17.7 +- 0.5	2
213.76 - 236.25 SW	19.1 +- 1.9	2
236.26 - 258.75 WSW	19.1 +- 0.7	4
258.76 - 281.25 W	16.9 +- 2.7	3
281.26 - 303.75 WNW	18.6 +- 0.8	3
303.76 - 326.25 NW	19.3 +- 0.5	3
326.26 - 348.75 NNW	18.0 +- 2.1	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	18.1 +- 1.1	13
2 - 5	18.2 +- 2.0	11
> 5	18.8 +- 1.0	10
Upwind Control	18.1 +- 0.6	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 950615-951017 125 Days

Field Time: 99 Days

NRC Sta	Location		Gross Exposure (mR)		Net Exposure Rate (mR/Std. Qtr.)		Hist. Range Net Exp Rate	
	Azimuth/ (Deg)	Dist (Mi)	+-Rdm; Tot.		+-Rdm; Tot.		+-1 Std Dev	
1	275	1.5	14.3	+- 0.4; 2.1	11.7	+- 0.5; 3.3	13.8	+- 2.0
3	284	1.7	14.0	+- 0.4; 2.1	11.4	+- 0.5; 3.3	13.5	+- 1.9
4	323	2.4	15.9	+- 0.5; 2.4	13.2	+- 0.5; 3.5	13.5	+- 1.3
5	297	3.1	14.5	+- 0.4; 2.2	11.9	+- 0.5; 3.4	14.2	+- 1.9
6	324	4.7	14.3	+- 0.4; 2.1	11.7	+- 0.5; 3.3	14.3	+- 2.0
7	324	5.5	15.0	+- 0.5; 2.3	12.4	+- 0.5; 3.4	12.8	+- 1.7
8	256	6.1	12.7	+- 0.4; 1.9	10.2	+- 0.4; 3.2	12.4	+- 2.1
9	273	4.1	14.8	+- 0.4; 2.2	12.2	+- 0.5; 3.4	13.2	+- 1.4
10	253	3.7	15.5	+- 0.5; 2.3	12.8	+- 0.5; 3.4	14.9	+- 1.7
11	230	4.0	16.0	+- 0.5; 2.4	13.3	+- 0.5; 3.5	14.8	+- 1.2
12	243	1.3	16.4	+- 0.5; 2.5	13.7	+- 0.5; 3.5	14.3	+- 1.2
13	222	1.5	15.3	+- 0.5; 2.3	12.7	+- 0.5; 3.4	15.4	+- 1.9
14	208	1.8	13.9	+- 0.4; 2.1	11.4	+- 0.5; 3.3	12.1	+- 1.4
15	176	2.4	18.3	+- 0.5; 2.7	15.4	+- 0.6; 3.7	16.8	+- 2.1
16	160	1.5	18.2	+- 0.5; 2.7	15.3	+- 0.6; 3.7	15.9	+- 1.5
19	159	3.8	16.1	+- 0.5; 2.4	13.4	+- 0.5; 3.5	14.1	+- 1.4
20	139	4.7	13.2	+- 0.4; 2.0	10.7	+- 0.4; 3.3	12.9	+- 1.9
21	201	4.0	15.4	+- 0.5; 2.3	12.8	+- 0.5; 3.4	13.6	+- 1.4
22	187	4.7	14.8	+- 0.4; 2.2	12.2	+- 0.5; 3.4	13.1	+- 1.1
23	201	8.7	16.7	+- 0.5; 2.5	13.9	+- 0.5; 3.5	14.1	+- 1.4
24	190	7.8	Missing Dosimeter		No Net Data		12.2	+- 1.1
25	325	6.7	15.5	+- 0.5; 2.3	12.9	+- 0.5; 3.4	13.5	+- 1.3
26	314	11.0	15.6	+- 0.5; 2.3	12.9	+- 0.5; 3.4	12.7	+- 1.4
27	314	11.0	14.5	+- 0.4; 2.2	11.9	+- 0.5; 3.4	12.9	+- 1.2
28	315	10.0	15.7	+- 0.5; 2.3	13.0	+- 0.5; 3.5	15.2	+- 1.7
29	186	12.0	18.5	+- 0.6; 2.8	15.6	+- 0.6; 3.7	15.5	+- 1.4

Transit Dose = 1.4 +- 0.3; 3.0

CALVERT CLIFFS  
For the period 950615-951017

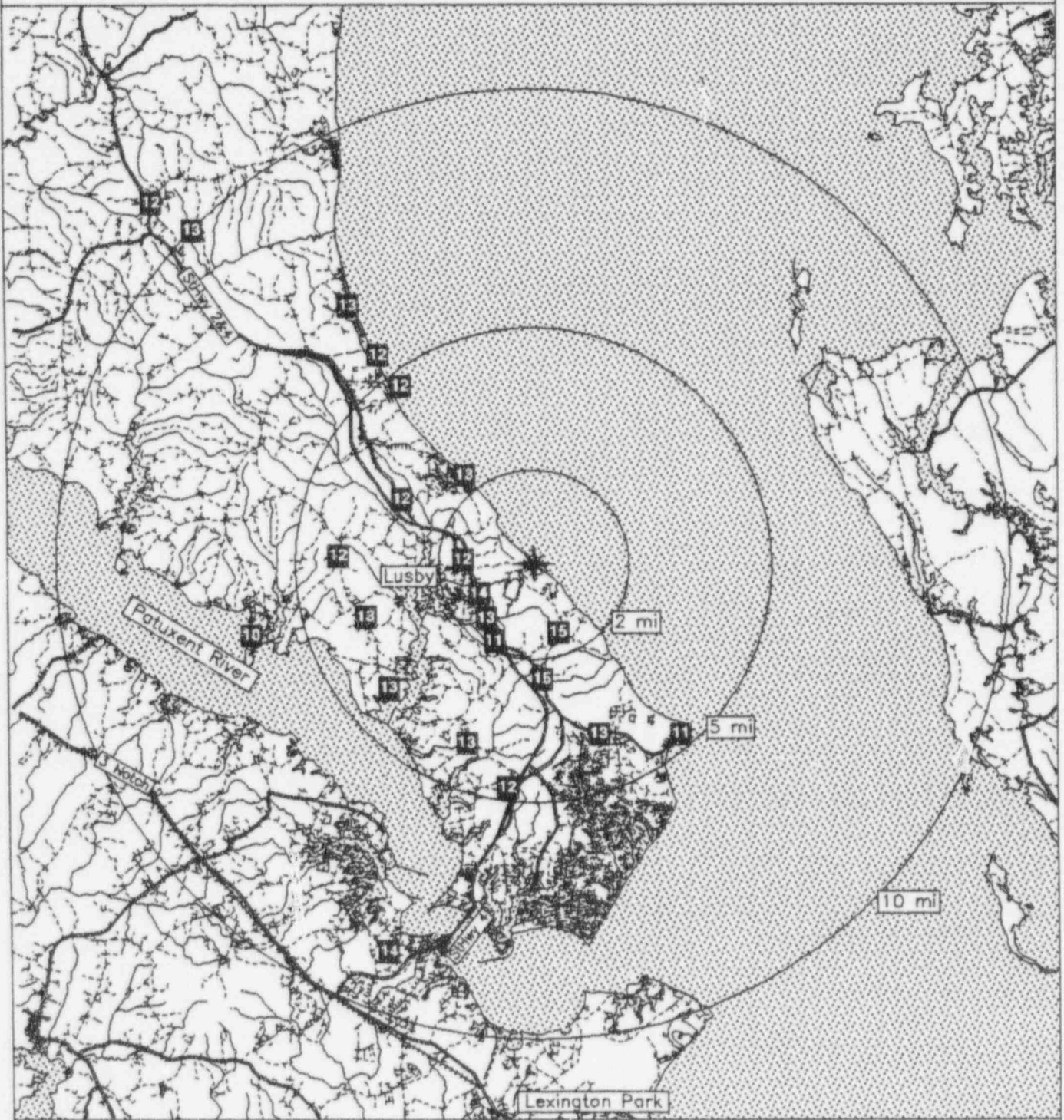
TLD Direct Radiation Environmental Monitoring

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	10.7 +- 0.0	1
146.26 - 168.75 SSE	14.3 +- 1.3	2
168.76 - 191.25 S	14.4 +- 1.9	3
191.26 - 213.75 SSW	12.7 +- 1.2	3
213.76 - 236.25 SW	13.0 +- 0.4	2
236.26 - 258.75 WSW	12.2 +- 1.8	3
258.76 - 281.25 W	12.0 +- 0.4	2
281.26 - 303.75 WNW	11.7 +- 0.4	2
303.76 - 326.25 NW	12.6 +- 0.6	4
326.26 - 348.75 NNW	No Data +- No Data	0

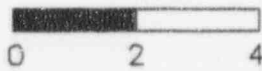
Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	12.7 +- 1.5	6
2 - 5	12.7 +- 1.2	11
> 5	13.0 +- 2.0	5
Upwind Control	12.6 +- 0.6	3



# NRC TLD DOSES FOR CALVERT CLIFFS AREA



Miles



### Legend

- Water
- Highways

- Railroads
- Roads

- Plant..site

## CATAWBA

TLD Direct Radiation Environmental Monitoring

For the period 950614-951018 127 Days

Field Time: 98 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	134	0.1	26.7 +- 0.8; 4.0	21.5 +- 0.8; 4.7	18.7 +- 2.5
2	162	0.4	24.8 +- 0.7; 3.7	19.7 +- 0.8; 4.5	15.5 +- 2.3
3	132	0.8	25.6 +- 0.8; 3.8	20.5 +- 0.8; 4.5	18.3 +- 2.2
4	111	1.3	22.9 +- 0.7; 3.4	18.0 +- 0.7; 4.3	15.7 +- 1.8
5	45	0.7	22.4 +- 0.7; 3.4	17.5 +- 0.7; 4.2	15.6 +- 1.9
6	298	1.3	25.3 +- 0.8; 3.8	20.2 +- 0.8; 4.5	17.4 +- 2.1
7	4	0.6	25.8 +- 0.8; 3.9	20.6 +- 0.8; 4.6	15.0 +- 2.1
8	332	1.5	22.5 +- 0.7; 3.4	17.6 +- 0.7; 4.2	19.0 +- 2.2
9	318	1.6	Missing Dosimeter	No Net Data	12.5 +- 2.4
10	176	1.8	23.2 +- 0.7; 3.5	18.2 +- 0.7; 4.3	16.4 +- 2.5
11	203	1.5	22.9 +- 0.7; 3.4	17.9 +- 0.7; 4.3	16.5 +- 2.1
12	225	1.5	22.9 +- 0.7; 3.4	17.9 +- 0.7; 4.3	16.8 +- 2.6
13	250	1.9	21.7 +- 0.7; 3.3	16.9 +- 0.7; 4.1	14.2 +- 2.4
14	270	1.4	18.8 +- 0.6; 2.8	14.2 +- 0.6; 3.9	12.4 +- 2.2
15	331	3.0	22.0 +- 0.7; 3.3	17.1 +- 0.7; 4.2	13.9 +- 2.2
16	311	3.9	21.0 +- 0.6; 3.2	16.3 +- 0.7; 4.1	13.0 +- 2.3
17	296	9.5	24.8 +- 0.7; 3.7	19.7 +- 0.8; 4.5	17.9 +- 2.2
18	324	4.8	22.0 +- 0.7; 3.3	17.1 +- 0.7; 4.2	15.0 +- 2.6
19	352	4.8	19.5 +- 0.6; 2.9	14.8 +- 0.6; 3.9	12.9 +- 2.2
20	22	4.0	23.6 +- 0.7; 3.5	18.6 +- 0.7; 4.3	16.5 +- 2.2
21	290	3.9	21.5 +- 0.6; 3.2	16.6 +- 0.7; 4.1	14.9 +- 1.9
22	266	4.0	22.4 +- 0.7; 3.4	17.5 +- 0.7; 4.2	15.8 +- 2.5
23	251	4.0	18.5 +- 0.6; 2.8	14.0 +- 0.6; 3.8	11.1 +- 2.3
24	229	3.9	17.6 +- 0.5; 2.6	13.1 +- 0.6; 3.7	12.0 +- 2.3
25	202	4.4	23.1 +- 0.7; 3.5	18.2 +- 0.7; 4.3	17.1 +- 1.6
26	51	4.3	24.9 +- 0.7; 3.7	19.8 +- 0.8; 4.5	17.9 +- 1.7
27	64	7.9	19.5 +- 0.6; 2.9	14.8 +- 0.6; 3.9	11.7 +- 1.9
28	61	4.9	22.1 +- 0.7; 3.3	17.2 +- 0.7; 4.2	15.2 +- 2.1
29	49	1.9	21.5 +- 0.6; 3.2	16.7 +- 0.7; 4.1	14.6 +- 2.9
30	64	1.8	22.1 +- 0.7; 3.3	17.3 +- 0.7; 4.2	14.6 +- 1.9
31	87	1.6	21.3 +- 0.6; 3.2	16.5 +- 0.7; 4.1	14.1 +- 2.1
32	121	2.6	22.3 +- 0.7; 3.3	17.4 +- 0.7; 4.2	15.2 +- 2.0
33	114	7.6	20.4 +- 0.6; 3.1	15.7 +- 0.6; 4.0	13.8 +- 2.7
34	93	4.5	25.8 +- 0.8; 3.9	20.6 +- 0.8; 4.6	16.9 +- 2.5
35	132	4.3	27.1 +- 0.8; 4.1	21.8 +- 0.8; 4.7	20.4 +- 1.9
36	163	8.9	19.0 +- 0.6; 2.8	14.4 +- 0.6; 3.9	12.2 +- 2.0
37	173	4.9	19.8 +- 0.6; 3.0	15.1 +- 0.6; 3.9	13.5 +- 1.7
38	157	4.6	23.3 +- 0.7; 3.5	18.3 +- 0.7; 4.3	18.1 +- 1.7
39	248	10.0	23.4 +- 0.7; 3.5	18.5 +- 0.7; 4.3	15.7 +- 2.7
40	229	12.0	20.5 +- 0.6; 3.1	15.8 +- 0.6; 4.0	14.9 +- 2.0
41	218	13.0	18.5 +- 0.6; 2.8	14.0 +- 0.6; 3.8	12.4 +- 2.9
42	213	16.0	20.5 +- 0.6; 3.1	15.8 +- 0.6; 4.0	15.3 +- 1.9

Transit Dose = 3.3 +- 0.3; 3.1

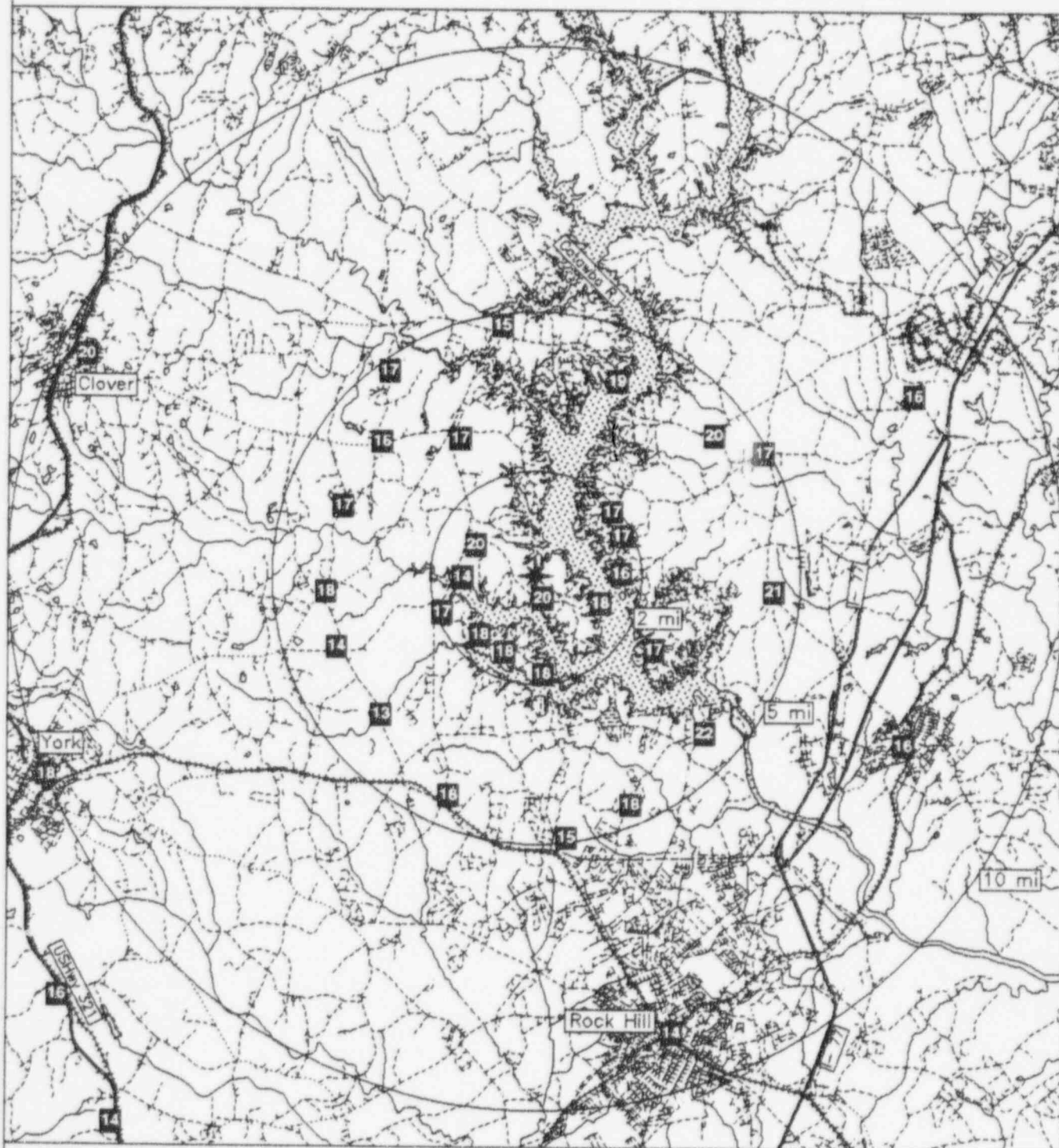
CATAWBA  
For the period 950614-951018

TLD Direct Radiation Environmental Monitoring

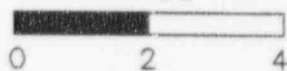
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	17.7 +- 4.1	2
11.26 - 33.75 NNE	18.6 +- 0.0	1
33.76 - 56.25 NE	18.0 +- 1.6	3
56.26 - 78.75 ENE	16.4 +- 1.4	3
78.76 - 101.25 E	18.5 +- 2.9	2
101.26 - 123.75 ESE	17.0 +- 1.2	3
123.76 - 146.25 SE	21.3 +- 0.7	3
146.26 - 168.75 SSE	17.5 +- 2.8	3
168.76 - 191.25 S	16.7 +- 2.2	2
191.26 - 213.75 SSW	18.1 +- 0.2	2
213.76 - 236.25 SW	15.5 +- 3.4	2
236.26 - 258.75 WSW	16.4 +- 2.3	3
258.76 - 281.25 W	15.9 +- 2.4	2
281.26 - 303.75 WNW	18.8 +- 1.9	3
303.76 - 326.25 NW	16.7 +- 0.6	2
326.26 - 348.75 NNW	17.4 +- 0.3	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	18.2 +- 1.9	16
2 - 5	17.3 +- 2.3	17
> 5	16.6 +- 2.4	5
Upwind Control	15.2 +- 1.1	3

## NRC TLD DOSES FOR CATAWBA AREA



Miles



## Legend



Water



Highways

Railroads

Roads



Plant..site

## CLINTON

TLD Direct Radiation Environmental Monitoring

For the period 950613-951026 136 Days

Field Time: 98 Days

NRC Sta	Location		Gross Exposure (mR)		Net Exposure Rate (mR/Std. Qtr.)		Hist. Range Net Exp Rate	
	Azimuth/ (Deg)	Dist (Mi)	+-Rdm; Tot.		+-Rdm; Tot.		+-1 Std Dev	
1	5	0.6	23.6	+- 0.7; 3.5	17.6	+- 0.7; 4.4	18.8	+- 2.4
2	40	0.7	25.2	+- 0.8; 3.8	19.0	+- 0.8; 4.5	18.6	+- 1.5
3	35	0.8	27.4	+- 0.8; 4.1	21.1	+- 0.8; 4.8	21.3	+- 2.0
4	163	0.5	23.7	+- 0.7; 3.6	17.7	+- 0.7; 4.4	19.2	+- 1.9
5	210	0.5	25.6	+- 0.8; 3.8	19.5	+- 0.8; 4.6	19.4	+- 1.8
6	223	0.6	25.3	+- 0.8; 3.8	19.2	+- 0.8; 4.6	19.4	+- 1.7
7	235	0.8	25.5	+- 0.8; 3.8	19.4	+- 0.8; 4.6	18.9	+- 1.5
8	62	1.9	23.4	+- 0.7; 3.5	17.4	+- 0.7; 4.4	18.4	+- 1.6
9	78	1.8	23.7	+- 0.7; 3.5	17.7	+- 0.7; 4.4	18.3	+- 1.4
10	79	2.6	22.8	+- 0.7; 3.4	16.9	+- 0.7; 4.3	18.7	+- 2.0
11	100	2.3	Missing Dosimeter		No Net Data		18.5	+- 1.4
12	115	3.0	21.4	+- 0.6; 3.2	15.6	+- 0.7; 4.2	16.7	+- 2.2
13	127	3.2	24.7	+- 0.7; 3.7	18.6	+- 0.8; 4.5	18.5	+- 1.5
14	155	2.1	24.4	+- 0.7; 3.7	18.3	+- 0.8; 4.5	18.9	+- 1.5
15	185	3.0	22.5	+- 0.7; 3.4	16.6	+- 0.7; 4.3	19.0	+- 2.1
16	203	3.2	22.9	+- 0.7; 3.4	16.9	+- 0.7; 4.3	17.9	+- 1.6
17	230	3.7	24.1	+- 0.7; 3.6	18.1	+- 0.7; 4.4	18.0	+- 1.7
18	255	2.8	24.9	+- 0.7; 3.7	18.8	+- 0.8; 4.5	19.1	+- 1.6
19	275	2.3	24.8	+- 0.7; 3.7	18.7	+- 0.8; 4.5	18.5	+- 1.5
20	302	0.9	24.8	+- 0.7; 3.7	18.7	+- 0.8; 4.5	18.0	+- 1.5
21	336	0.8	23.3	+- 0.7; 3.5	17.3	+- 0.7; 4.4	18.0	+- 1.7
22	0	0.6	24.1	+- 0.7; 3.6	18.1	+- 0.7; 4.4	18.6	+- 1.9
23	358	4.6	24.6	+- 0.7; 3.7	18.5	+- 0.8; 4.5	19.1	+- 1.8
24	20	3.9	23.7	+- 0.7; 3.6	17.7	+- 0.7; 4.4	18.3	+- 1.6
25	46	5.0	25.3	+- 0.8; 3.8	19.1	+- 0.8; 4.6	18.9	+- 1.5
26	62	5.5	21.5	+- 0.6; 3.2	15.7	+- 0.7; 4.2	16.9	+- 1.5
27	90	4.8	23.1	+- 0.7; 3.5	17.1	+- 0.7; 4.3	17.7	+- 1.7
28	115	5.2	23.2	+- 0.7; 3.5	17.2	+- 0.7; 4.3	17.4	+- 1.4
29	128	5.1	23.7	+- 0.7; 3.5	17.7	+- 0.7; 4.4	18.2	+- 1.6
30	153	5.8	24.2	+- 0.7; 3.6	18.2	+- 0.8; 4.4	18.5	+- 1.7
31	173	5.2	22.8	+- 0.7; 3.4	16.9	+- 0.7; 4.3	18.0	+- 1.4
32	205	4.7	23.6	+- 0.7; 3.5	17.6	+- 0.7; 4.4	18.1	+- 1.6
33	238	6.1	23.4	+- 0.7; 3.5	17.5	+- 0.7; 4.4	18.2	+- 1.6
34	252	5.8	22.4	+- 0.7; 3.4	16.5	+- 0.7; 4.3	17.6	+- 2.2
35	260	6.6	19.2	+- 0.6; 2.9	13.5	+- 0.6; 4.0	14.9	+- 1.7
36	272	4.8	25.3	+- 0.8; 3.8	19.2	+- 0.8; 4.6	18.4	+- 1.6
37	288	4.8	23.4	+- 0.7; 3.5	17.0	+- 0.7; 4.4	17.5	+- 1.6
38	297	7.6	22.9	+- 0.7; 3.4	17.0	+- 0.7; 4.3	16.2	+- 1.5
39	315	5.1	23.8	+- 0.7; 3.6	17.8	+- 0.7; 4.4	18.4	+- 2.0
40	342	4.8	24.0	+- 0.7; 3.6	17.9	+- 0.7; 4.4	18.2	+- 1.5
41	65	12.0	23.1	+- 0.7; 3.5	17.2	+- 0.7; 4.3	17.6	+- 2.1
42	148	12.0	28.9	+- 0.9; 4.3	22.4	+- 0.9; 4.9	18.6	+- 2.1
43	148	12.0	28.9	+- 0.9; 4.3	22.5	+- 0.9; 5.0	18.9	+- 1.7
44	206	14.0	21.0	+- 0.6; 3.2	15.2	+- 0.7; 4.1	15.8	+- 1.6

Transit Dose = 4.4 +- 0.4; 3.2

CLINTON

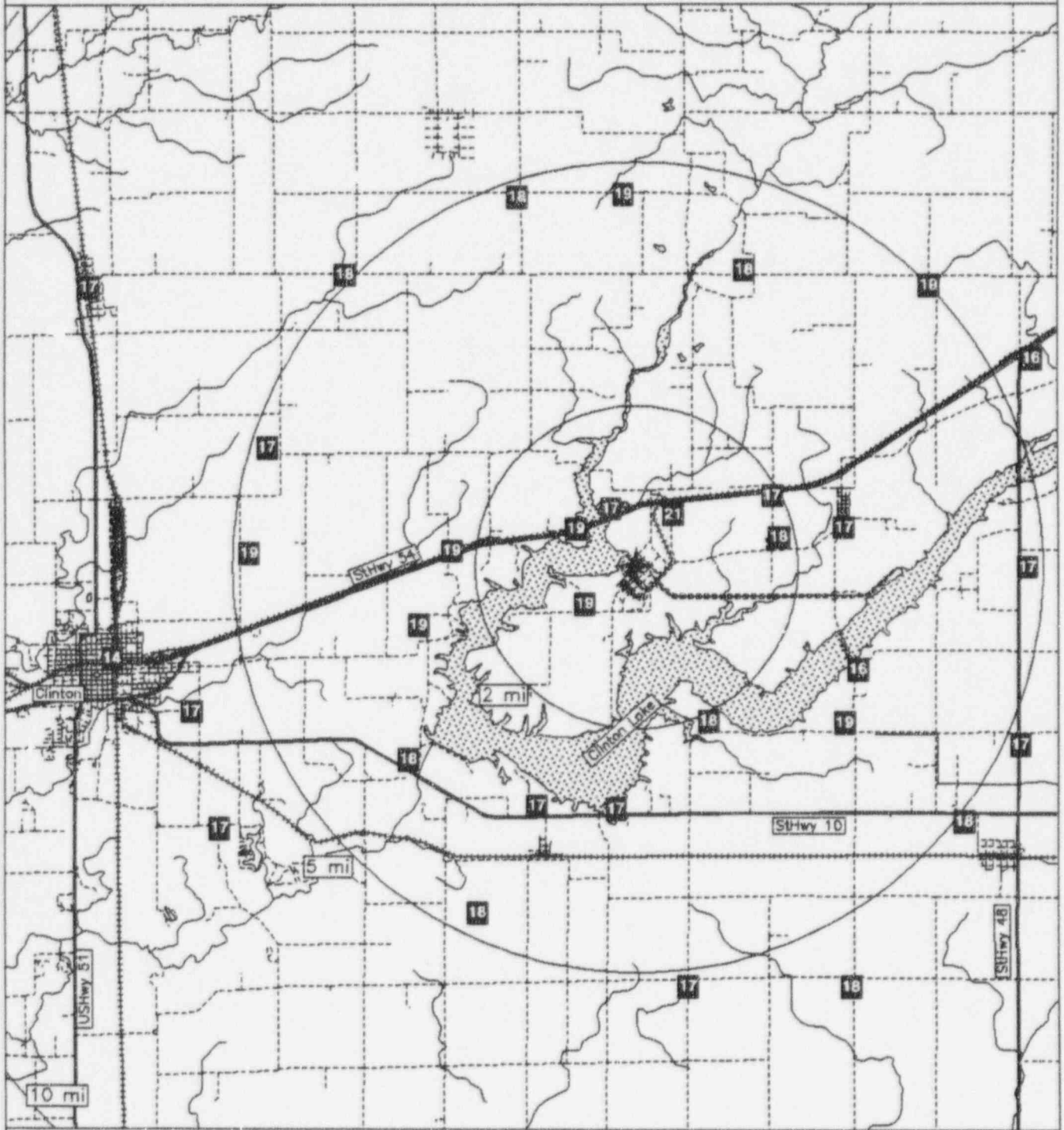
For the period 950613-951026

## TLD Direct Radiation Environmental Monitoring

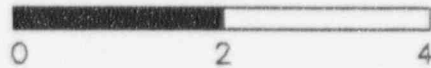
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	18.1 +- 0.4	3
11.26 - 33.75 NNE	17.7 +- 0.0	1
33.76 - 56.25 NE	19.8 +- 1.2	3
56.26 - 78.75 ENE	17.0 +- 0.9	4
78.76 - 101.25 E	17.0 +- 0.2	2
101.26 - 123.75 ESE	16.4 +- 1.2	2
123.76 - 146.25 SE	18.1 +- 0.7	2
146.26 - 168.75 SSE	18.1 +- 0.3	3
168.76 - 191.25 S	16.8 +- 0.2	2
191.26 - 213.75 SSW	18.0 +- 1.3	3
213.76 - 236.25 SW	18.9 +- 0.7	3
236.26 - 258.75 WSW	17.6 +- 1.1	3
258.76 - 281.25 W	17.1 +- 3.1	3
281.26 - 303.75 WNW	17.7 +- 0.9	3
303.76 - 326.25 NW	17.8 +- 0.0	1
326.26 - 348.75 NNW	17.6 +- 0.4	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	18.6 +- 1.1	12
2 - 5	17.8 +- 1.0	17
> 5	16.8 +- 1.3	11
Upwind Control	20.1 +- 4.2	3

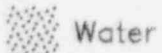
# NRC TLD DOSES FOR CLINTON AREA



Miles



### Legend



Water

--- Railroads



Plant site

— Highways

--- Roads

## COMANCHE PEAK

TLD Direct Radiation Environmental Monitoring

For the period 950611-951115 158 Days

Field Time: 99 Days

NRC Sta	Location		Gross Exposure (mR)		Net Exposure Rate (mR/Std. Qtr.)		Hist. Range Net Exp Rate	
	Azimuth/Dist (Deg)/(Mi)		+-Rdm; Tot.		+-Rdm; Tot.		+-1 Std Dev	
1	306	1.4	22.5	+- 0.7; 3.4	14.3	+- 0.7; 4.1	15.4	+- 1.1
2	285	1.5	22.5	+- 0.7; 3.4	14.3	+- 0.7; 4.1	15.7	+- 1.4
3	268	1.1	20.0	+- 0.6; 3.0	12.0	+- 0.6; 3.9	14.2	+- 0.8
4	253	0.9	22.1	+- 0.7; 3.3	13.9	+- 0.7; 4.1	15.4	+- 1.0
5	218	1.0	21.4	+- 0.6; 3.2	13.3	+- 0.6; 4.0	15.7	+- 1.2
6	200	1.0	20.5	+- 0.6; 3.1	12.4	+- 0.6; 3.9	13.7	+- 1.3
7	180	1.4	21.8	+- 0.7; 3.3	13.6	+- 0.7; 4.0	13.9	+- 1.0
8	163	1.6	24.1	+- 0.7; 3.6	15.8	+- 0.7; 4.3	15.8	+- 1.4
9	140	1.3	22.3	+- 0.7; 3.3	14.1	+- 0.7; 4.1	15.7	+- 0.9
10	118	1.5	20.8	+- 0.6; 3.1	12.7	+- 0.6; 3.9	13.8	+- 1.2
11	93	1.9	20.4	+- 0.6; 3.1	12.4	+- 0.6; 3.9	15.0	+- 2.8
12	73	2.4	24.1	+- 0.7; 3.6	15.7	+- 0.7; 4.3	17.3	+- 1.2
13	245	1.7	21.3	+- 0.6; 3.2	13.1	+- 0.6; 4.0	14.1	+- 1.1
14	156	4.3	19.4	+- 0.6; 2.9	11.4	+- 0.6; 3.8	14.0	+- 1.2
15	186	7.0	21.6	+- 0.6; 3.2	13.5	+- 0.7; 4.0	14.9	+- 1.5
16	183	4.1	20.3	+- 0.6; 3.0	12.2	+- 0.6; 3.9	15.7	+- 1.3
17	205	4.3	21.9	+- 0.7; 3.3	13.7	+- 0.7; 4.1	15.4	+- 0.9
18	225	3.4	18.4	+- 0.6; 2.8	10.5	+- 0.6; 3.7	12.9	+- 1.1
19	245	5.2	21.8	+- 0.7; 3.3	13.6	+- 0.7; 4.0	15.4	+- 0.8
20	264	5.8	20.6	+- 0.6; 3.1	12.6	+- 0.6; 3.9	13.8	+- 1.0
21	258	3.2	21.0	+- 0.6; 3.1	12.9	+- 0.6; 4.0	13.8	+- 1.1
22	284	5.1	20.0	+- 0.6; 3.0	12.0	+- 0.6; 3.9	13.5	+- 1.1
23	313	5.8	22.0	+- 0.7; 3.3	13.8	+- 0.7; 4.1	15.1	+- 1.1
24	332	4.9	21.0	+- 0.6; 3.2	12.9	+- 0.6; 4.0	14.2	+- 1.0
25	9	4.6	21.3	+- 0.6; 3.2	13.2	+- 0.6; 4.0	15.0	+- 1.2
26	26	4.5	22.1	+- 0.7; 3.3	13.9	+- 0.7; 4.1	14.6	+- 1.2
27	47	4.1	21.5	+- 0.6; 3.2	13.4	+- 0.6; 4.0	14.3	+- 1.1
28	6	1.8	22.0	+- 0.7; 3.3	13.8	+- 0.7; 4.1	15.0	+- 1.2
29	16	1.9	20.8	+- 0.6; 3.1	12.7	+- 0.6; 3.9	14.6	+- 1.2
30	102	3.0	23.7	+- 0.7; 3.6	15.4	+- 0.7; 4.2	15.6	+- 1.4
31	108	3.9	21.8	+- 0.7; 3.3	13.7	+- 0.7; 4.1	14.8	+- 1.2
32	135	4.6	22.0	+- 0.7; 3.3	13.9	+- 0.7; 4.1	15.6	+- 1.3
33	152	6.3	20.1	+- 0.6; 3.0	12.1	+- 0.6; 3.9	13.7	+- 1.1
34	47	2.9	20.5	+- 0.6; 3.1	12.5	+- 0.6; 3.9	13.5	+- 1.5
35	85	4.8	20.5	+- 0.6; 3.1	12.4	+- 0.6; 3.9	15.2	+- 1.3
36	115	7.5	Damaged Dosimeter		No Net Data		15.1	+- 1.4
37	355	9.4	21.1	+- 0.6; 3.2	13.0	+- 0.6; 4.0	14.3	+- 1.3
38	337	9.2	20.2	+- 0.6; 3.0	12.2	+- 0.6; 3.9	14.3	+- 1.2
39	310	9.9	20.8	+- 0.6; 3.1	12.7	+- 0.6; 3.9	14.5	+- 1.2
40	302	8.1	20.3	+- 0.6; 3.1	12.3	+- 0.6; 3.9	13.8	+- 1.4
41	248	7.9	22.1	+- 0.7; 3.3	13.9	+- 0.7; 4.1	15.9	+- 1.1
42	90	0.5	21.8	+- 0.7; 3.3	13.7	+- 0.7; 4.1	14.1	+- 1.6
43	18	9.8	21.1	+- 0.6; 3.2	13.0	+- 0.6; 4.0	14.9	+- 1.2
44	263	1.7	22.7	+- 0.7; 3.4	14.5	+- 0.7; 4.1	13.4	+- 1.8
45	218	12.0	20.8	+- 0.6; 3.1	12.7	+- 0.6; 3.9	15.0	+- 1.2
46	140	12.0	21.6	+- 0.6; 3.2	13.4	+- 0.6; 4.0	14.8	+- 1.3
47	301	21.0	20.3	+- 0.6; 3.1	12.3	+- 0.6; 3.9	14.7	+- 1.1

Transit Dose = 6.8 +- 0.3; 3.0



COMANCHE PEAK  
For the period 950611-951115

TLD Direct Radiation Environmental Monitoring

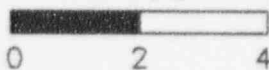
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	13.4 +- 0.4	3
11.26 - 33.75 NNE	13.2 +- 0.6	3
33.76 - 56.25 NE	12.9 +- 0.6	2
56.26 - 78.75 ENE	15.7 +- 0.0	1
78.76 - 101.25 E	12.8 +- 0.7	3
101.26 - 123.75 ESE	13.9 +- 1.3	3
123.76 - 146.25 SE	13.8 +- 0.3	3
146.26 - 168.75 SSE	13.1 +- 2.3	3
168.76 - 191.25 S	13.1 +- 0.8	3
191.26 - 213.75 SSW	13.1 +- 0.9	2
213.76 - 236.25 SW	12.2 +- 1.5	3
236.26 - 258.75 WSW	13.5 +- 0.5	5
258.76 - 281.25 W	13.0 +- 1.3	3
281.26 - 303.75 WNW	12.7 +- 1.1	4
303.76 - 326.25 NW	13.6 +- 0.8	3
326.26 - 348.75 NNW	12.6 +- 0.5	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	13.5 +- 1.0	16
2 - 5	13.2 +- 1.3	15
> 5	12.9 +- 0.6	15
Upwind Control	No Data +- No Data	0

# NRC TLD DOSES FOR COMANCHE PEAK AREA



Miles



## Legend



Water



Highways



Railroads



Roads



Plant site

## COOPER

TLD Direct Radiation Environmental Monitoring

For the period 950611-951026 138 Days

Field Time: 86 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	350	2.3	25.9 +- 0.8; 3.9	17.7 +- 1.0; 5.3	18.2 +- 1.6
2	6	3.5	26.8 +- 0.8; 4.0	18.8 +- 1.0; 5.5	19.0 +- 1.2
3	18	2.7	27.5 +- 0.8; 4.1	19.4 +- 1.0; 5.5	19.6 +- 1.5
4	16	3.2	27.6 +- 0.8; 4.1	19.6 +- 1.0; 5.5	19.7 +- 1.5
5	47	1.9	26.6 +- 0.8; 4.0	18.5 +- 1.0; 5.4	19.5 +- 1.3
6	40	3.6	26.1 +- 0.8; 3.9	18.0 +- 1.0; 5.4	18.8 +- 1.7
7	75	2.7	26.6 +- 0.8; 4.0	18.5 +- 1.0; 5.4	18.7 +- 1.9
8	55	2.8	26.5 +- 0.8; 4.0	18.4 +- 1.0; 5.4	18.8 +- 1.9
9	80	2.1	27.0 +- 0.8; 4.0	18.9 +- 1.0; 5.5	20.3 +- 1.6
10	98	3.7	26.5 +- 0.8; 4.0	18.4 +- 1.0; 5.4	18.6 +- 1.4
11	118	2.3	28.3 +- 0.8; 4.2	20.3 +- 1.0; 5.6	20.1 +- 1.5
12	109	4.6	26.6 +- 0.8; 4.0	18.5 +- 1.0; 5.4	19.9 +- 1.3
13	141	3.2	26.9 +- 0.8; 4.0	18.8 +- 1.0; 5.5	19.5 +- 1.3
14	126	5.6	Damaged Dosimeter	No Net Data	18.1 +- 1.6
15	159	2.7	25.6 +- 0.8; 3.8	17.5 +- 0.9; 5.3	18.8 +- 1.5
16	167	4.9	23.3 +- 0.7; 3.5	15.1 +- 0.9; 5.0	19.4 +- 2.3
17	205	0.3	27.7 +- 0.8; 4.2	19.7 +- 1.0; 5.6	19.5 +- 1.9
18	186	4.7	28.8 +- 0.9; 4.3	20.8 +- 1.0; 5.7	20.3 +- 1.6
19	213	3.0	27.8 +- 0.8; 4.2	19.8 +- 1.0; 5.6	19.3 +- 1.4
20	195	4.9	28.1 +- 0.8; 4.2	20.1 +- 1.0; 5.6	20.4 +- 1.7
21	222	2.0	27.4 +- 0.8; 4.1	19.4 +- 1.0; 5.5	18.4 +- 1.4
22	215	5.7	27.8 +- 0.8; 4.2	19.7 +- 1.0; 5.6	20.4 +- 1.7
23	256	1.5	28.1 +- 0.8; 4.2	20.1 +- 1.0; 5.6	20.0 +- 1.7
24	238	5.2	28.3 +- 0.9; 4.3	20.3 +- 1.0; 5.6	20.0 +- 1.6
25	276	2.2	28.2 +- 0.8; 4.2	20.2 +- 1.0; 5.6	20.5 +- 1.4
26	260	3.8	29.7 +- 0.9; 4.5	21.8 +- 1.1; 5.8	20.5 +- 1.3
27	301	1.8	Damaged Dosimeter	No Net Data	20.1 +- 1.4
28	286	4.3	28.5 +- 0.9; 4.3	20.6 +- 1.0; 5.7	19.8 +- 1.7
29	324	2.8	26.9 +- 0.8; 4.0	18.9 +- 1.0; 5.5	19.3 +- 2.2
30	333	3.7	27.5 +- 0.8; 4.1	19.4 +- 1.0; 5.5	19.9 +- 1.6
31	343	2.6	28.4 +- 0.9; 4.3	20.4 +- 1.0; 5.6	20.2 +- 1.9
32	333	3.7	27.6 +- 0.8; 4.1	19.6 +- 1.0; 5.5	19.8 +- 2.0
33	215	1.0	28.2 +- 0.8; 4.2	20.2 +- 1.0; 5.6	20.1 +- 2.3
34	175	18.0	29.2 +- 0.9; 4.4	21.3 +- 1.0; 5.7	20.4 +- 2.2
35	333	23.0	26.8 +- 0.8; 4.0	18.7 +- 1.0; 5.4	18.7 +- 1.9
36	210	19.0	27.0 +- 0.8; 4.1	19.0 +- 1.0; 5.5	19.9 +- 2.5
37	64	7.0	32.2 +- 1.0; 4.8	24.4 +- 1.1; 6.1	23.0 +- 3.2
38	329	9.0	26.7 +- 0.8; 4.0	18.6 +- 1.0; 5.4	21.7 +- 2.9
39	273	10.0	27.7 +- 0.8; 4.1	19.6 +- 1.0; 5.6	19.2 +- 1.8
40	300	2.5	28.2 +- 0.8; 4.2	20.2 +- 1.0; 5.6	22.3 +- 2.2
42	93	3.5	27.4 +- 0.8; 4.1	19.4 +- 1.0; 5.5	19.1 +- 1.5
43	270	2.2	27.2 +- 0.8; 4.1	19.2 +- 1.0; 5.5	19.9 +- 1.7

Transit Dose = 8.9 +- 0.5; 3.3

COOPER

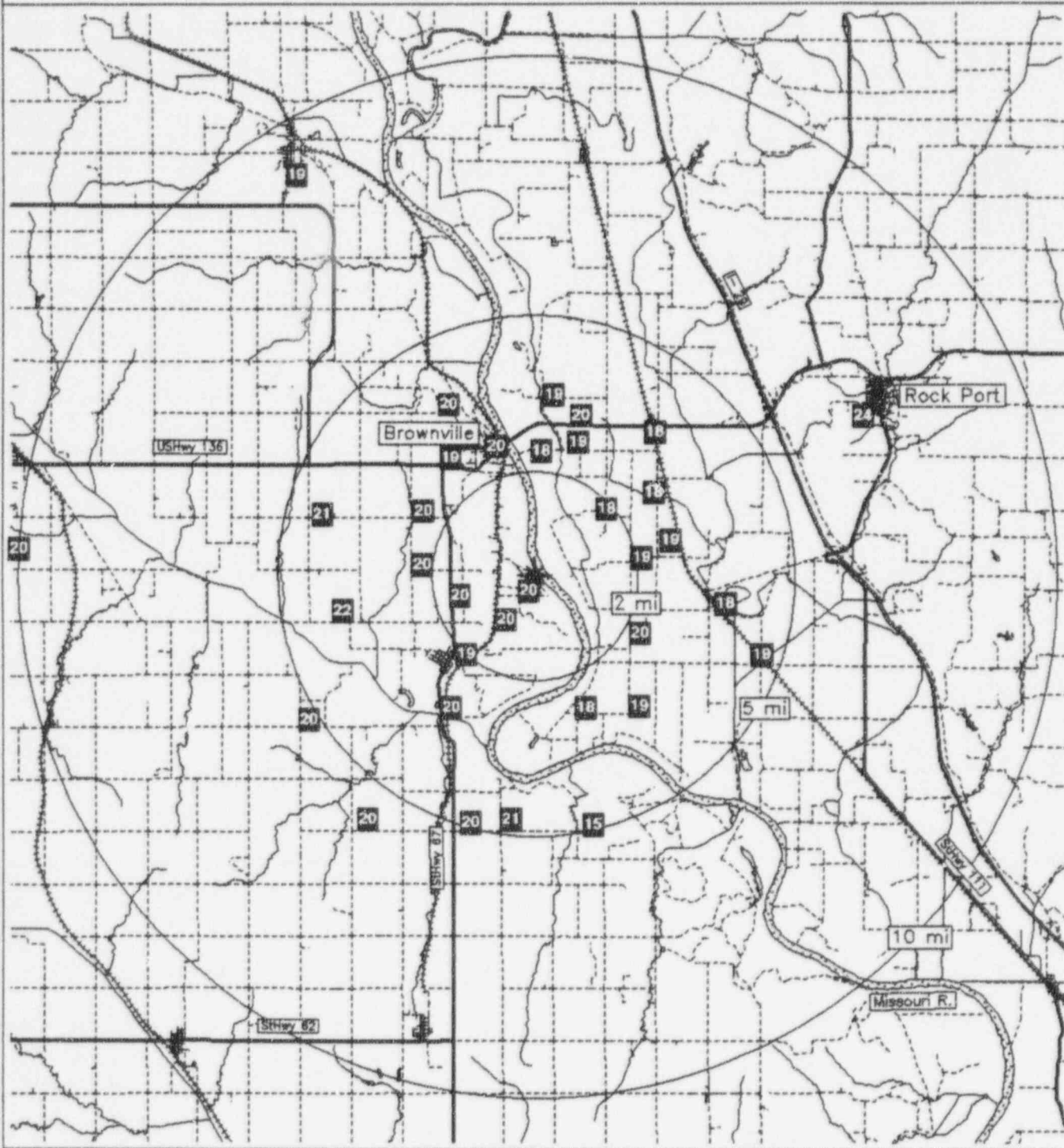
For the period 950611-951026

## TLD Direct Radiation Environmental Monitoring

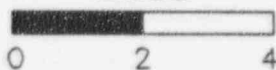
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	18.3 +- 0.7	2
11.26 - 33.75 NNE	19.5 +- 0.1	2
33.76 - 56.25 NE	18.3 +- 0.3	3
56.26 - 78.75 ENE	21.4 +- 4.1	2
78.76 - 101.25 E	18.9 +- 0.5	3
101.26 - 123.75 ESE	19.4 +- 1.2	2
123.76 - 146.25 SE	18.8 +- 0.0	1
146.26 - 168.75 SSE	16.3 +- 1.7	2
168.76 - 191.25 S	20.8 +- 0.0	1
191.26 - 213.75 SSW	19.8 +- 0.2	3
213.76 - 236.25 SW	19.8 +- 0.4	3
236.26 - 258.75 WSW	20.2 +- 0.2	2
258.76 - 281.25 W	20.2 +- 1.1	4
281.26 - 303.75 WNW	20.4 +- 0.2	2
303.76 - 326.25 NW	18.9 +- 0.0	1
326.26 - 348.75 NNW	19.5 +- 0.7	4

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	19.6 +- 0.7	5
2 - 5	19.2 +- 1.3	27
> 5	20.5 +- 2.2	5
Upwind Control	19.7 +- 1.4	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 950615-951031 139 Days

Field Time: 97 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)		Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
6	61	4.2	17.5 +- 0.5; 2.6	10.9 +- 0.6; 3.9	11.7 +- 2.3
7	50	3.8	18.4 +- 0.6; 2.8	11.7 +- 0.6; 4.0	11.8 +- 2.5
8	20	5.2	18.2 +- 0.5; 2.7	11.5 +- 0.6; 4.0	12.4 +- 2.3
9	6	5.4	19.0 +- 0.6; 2.8	12.3 +- 0.7; 4.0	14.1 +- 2.4
10	348	5.0	19.7 +- 0.6; 3.0	12.9 +- 0.7; 4.1	13.6 +- 2.3
11	334	4.8	16.9 +- 0.5; 2.5	10.4 +- 0.6; 3.9	13.0 +- 2.3
12	318	4.8	17.3 +- 0.5; 2.6	10.6 +- 0.6; 3.9	12.5 +- 2.6
13	79	3.8	18.5 +- 0.6; 2.8	11.8 +- 0.6; 4.0	13.0 +- 2.4
14	95	4.1	18.4 +- 0.6; 2.8	11.8 +- 0.6; 4.0	12.5 +- 2.5
15	89	1.8	22.1 +- 0.7; 3.3	15.2 +- 0.7; 4.3	14.8 +- 2.6
16	113	5.0	17.6 +- 0.5; 2.6	11.0 +- 0.6; 3.9	11.7 +- 1.5
17	133	5.5	20.9 +- 0.6; 3.1	14.0 +- 0.7; 4.2	13.2 +- 2.9
18	74	8.1	18.8 +- 0.6; 2.8	12.0 +- 0.6; 4.0	12.1 +- 2.6
19	127	7.6	18.6 +- 0.6; 2.8	11.9 +- 0.6; 4.0	12.5 +- 2.4
20	150	12.0	16.8 +- 0.5; 2.5	10.2 +- 0.6; 3.9	11.6 +- 2.4
21	159	13.0	Missing Dosimeter	No Net Data	12.7 +- 2.6
22	150	13.0	18.1 +- 0.5; 2.7	11.4 +- 0.6; 4.0	12.4 +- 2.7
23	150	21.0	20.1 +- 0.6; 3.0	13.3 +- 0.7; 4.1	13.2 +- 3.7
24	150	21.0	17.1 +- 0.5; 2.6	10.5 +- 0.6; 3.9	11.5 +- 2.5
25	56	6.1	Missing Dosimeter	No Net Data	14.0 +- 3.4
26	357	5.2	18.0 +- 0.5; 2.7	11.4 +- 0.6; 4.0	13.3 +- 2.4
27	90	13.0	18.4 +- 0.6; 2.8	11.7 +- 0.6; 4.0	12.6 +- 2.6
28	140	4.8	18.9 +- 0.6; 2.8	12.2 +- 0.7; 4.0	13.1 +- 2.3

Transit Dose = 5.8 +- 0.4; 3.3

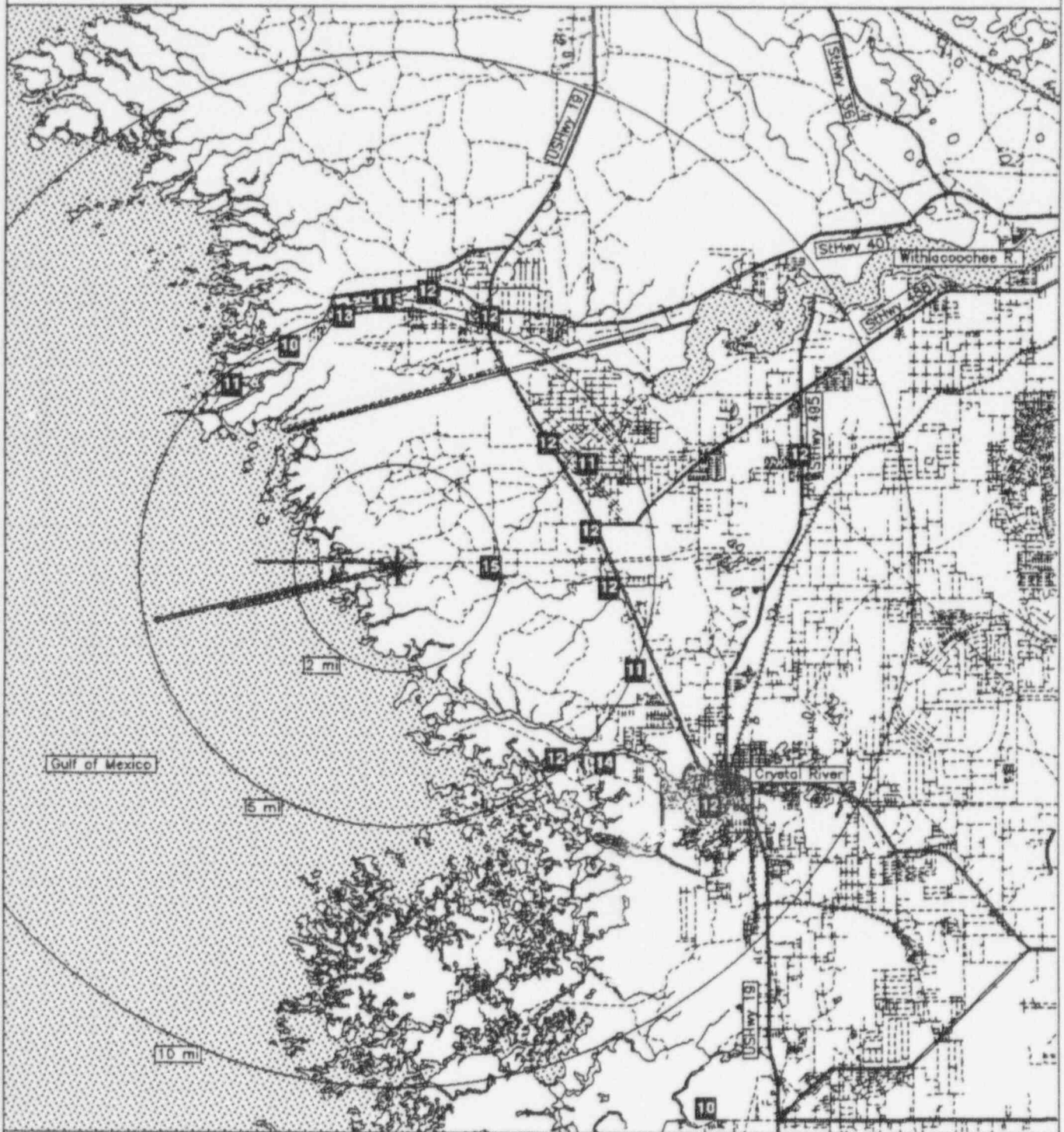
CRYSTAL RIVER  
For the period 950615-951031

TLD Direct Radiation Environmental Monitoring

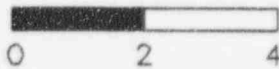
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	11.8 +- 0.6	2
11.26 - 33.75 NNE	11.5 +- 0.0	1
33.76 - 56.25 NE	11.7 +- 0.0	1
56.26 - 78.75 ENE	11.5 +- 0.8	2
78.76 - 101.25 E	12.6 +- 1.7	4
101.26 - 123.75 ESE	11.0 +- 0.0	1
123.76 - 146.25 SE	12.7 +- 1.2	3
146.26 - 168.75 SSE	10.2 +- 0.0	1
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	10.6 +- 0.0	1
326.26 - 348.75 NNW	11.6 +- 1.8	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	15.2 +- 0.0	1
2 - 5	11.5 +- 0.8	9
> 5	11.9 +- 1.1	8
Upwind Control	11.7 +- 1.4	3

# NRC TLD DOSES FOR CRYSTAL RIVER AREA



Miles



## Legend

Water

Highways

Railroads

Roads

Plant..site



## DAVIS BESSE

TLD Direct Radiation Environmental Monitoring

For the period 950613-951025 135 Days

Field Time: 101 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	50	0.6	14.9 +- 0.4; 2.2	11.7 +- 0.5; 3.4	12.3 +- 1.5
2	86	0.9	17.4 +- 0.5; 2.6	14.0 +- 0.5; 3.6	13.6 +- 1.6
3	116	1.4	16.8 +- 0.5; 2.5	13.4 +- 0.5; 3.5	12.9 +- 1.6
4	172	0.8	19.3 +- 0.6; 2.9	15.6 +- 0.6; 3.8	15.7 +- 2.0
5	200	1.5	23.2 +- 0.7; 3.5	19.1 +- 0.7; 4.1	19.2 +- 2.1
6	226	1.0	20.0 +- 0.6; 3.0	16.2 +- 0.6; 3.8	16.2 +- 1.4
7	249	1.5	20.5 +- 0.6; 3.1	16.6 +- 0.6; 3.9	16.9 +- 1.6
8	267	1.8	19.9 +- 0.6; 3.0	16.1 +- 0.6; 3.8	17.1 +- 1.7
9	285	1.8	21.0 +- 0.6; 3.2	17.2 +- 0.6; 3.9	17.3 +- 1.7
10	306	1.5	17.2 +- 0.5; 2.6	13.8 +- 0.5; 3.6	14.9 +- 1.7
11	344	0.9	17.8 +- 0.5; 2.7	14.2 +- 0.5; 3.6	14.4 +- 1.2
12	142	4.5	21.6 +- 0.6; 3.2	17.6 +- 0.6; 4.0	18.1 +- 1.9
13	158	4.0	23.2 +- 0.7; 3.5	19.1 +- 0.7; 4.1	19.2 +- 2.0
14	180	3.8	19.4 +- 0.6; 2.9	15.7 +- 0.6; 3.8	16.1 +- 1.7
15	207	4.8	21.3 +- 0.6; 3.2	17.4 +- 0.6; 4.0	17.3 +- 2.3
16	225	4.5	21.7 +- 0.6; 3.2	17.7 +- 0.6; 4.0	17.3 +- 1.8
17	254	2.7	25.1 +- 0.8; 3.8	20.8 +- 0.7; 4.3	20.7 +- 2.0
18	269	3.0	23.1 +- 0.7; 3.5	19.0 +- 0.7; 4.1	17.7 +- 1.8
19	295	5.3	25.1 +- 0.8; 3.8	20.8 +- 0.7; 4.3	19.4 +- 2.0
20	25	0.5	15.2 +- 0.5; 2.3	12.0 +- 0.5; 3.4	12.5 +- 1.9
21	132	9.7	19.6 +- 0.6; 2.9	15.9 +- 0.6; 3.8	16.7 +- 1.6
22	210	6.5	19.1 +- 0.6; 2.9	15.4 +- 0.6; 3.7	17.5 +- 3.5

Transit Dose = 1.8 +- 0.3; 3.1

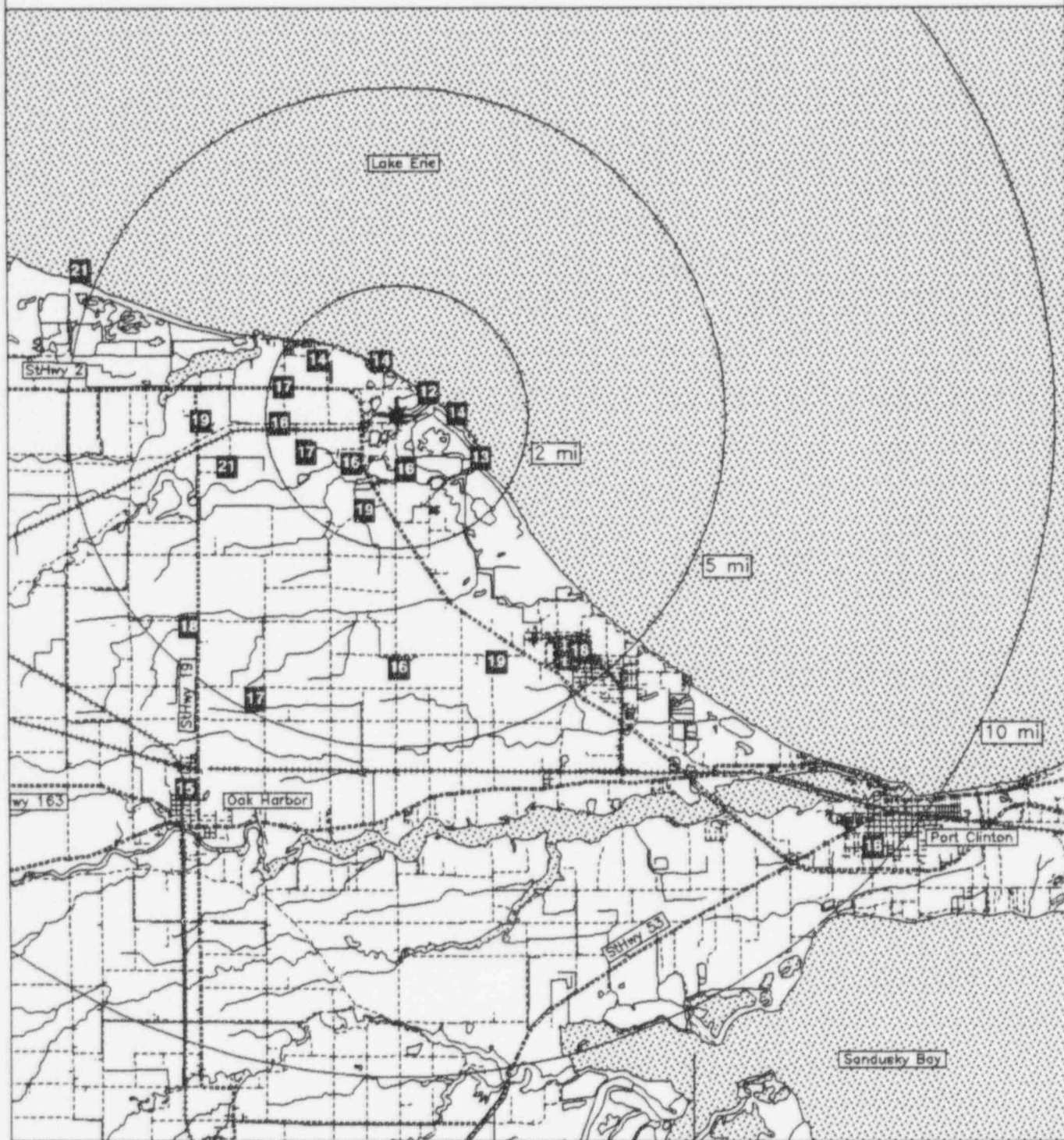
DAVIS BESSE  
For the period 950613-951025

TLD Direct Radiation Environmental Monitoring

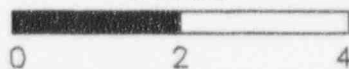
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	No Data +- No Data	0
11.26 - 33.75 NNE	12.0 +- 0.0	1
33.76 - 56.25 NE	11.7 +- 0.0	1
56.26 - 78.75 ENE	No Data +- No Data	0
78.76 - 101.25 E	14.0 +- 0.0	1
101.26 - 123.75 ESE	13.4 +- 0.0	1
123.76 - 146.25 SE	17.6 +- 0.0	1
146.26 - 168.75 SSE	19.1 +- 0.0	1
168.76 - 191.25 S	15.7 +- 0.1	2
191.26 - 213.75 SSW	18.3 +- 1.2	2
213.76 - 236.25 SW	17.0 +- 1.1	2
236.26 - 258.75 WSW	18.7 +- 2.9	2
258.76 - 281.25 W	17.6 +- 2.0	2
281.26 - 303.75 WNW	19.0 +- 2.6	2
303.76 - 326.25 NW	13.8 +- 0.0	1
326.26 - 348.75 NNW	14.2 +- 0.0	1

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	15.0 +- 2.2	12
2 - 5	18.2 +- 1.6	7
> 5	20.8 +- 0.0	1
Upwind Control	15.6 +- 0.3	2

# NRC TLD DOSES FOR DAVIS-BESSE AREA



Miles



### Legend



Water



Highways

--- Railroads

--- Roads



Plant site

DC COOK

TLD Direct Radiation Environmental Monitoring  
 For the period 950614-951025 134 Days  
 Field Time: 93 Days

NRC Sta	Location		Gross Exposure (mR)		Net Exposure Rate (mR/Std. Qtr.)		Hist. Range Net Exp Rate	
	Azimuth/ (Deg)	Dist (Mi)	+-Rdm; Tot.		+-Rdm; Tot.		+-1 Std Dev	
1	54	1.7	17.3	+- 0.5; 2.6	13.9	+- 0.6; 3.8	14.0	+- 1.6
2	67	1.3	18.1	+- 0.5; 2.7	14.7	+- 0.6; 3.9	16.3	+- 2.3
3	89	1.1	16.2	+- 0.5; 2.4	12.8	+- 0.6; 3.7	13.0	+- 1.8
4	58	0.7	16.3	+- 0.5; 2.4	12.9	+- 0.6; 3.7	13.1	+- 1.7
5	19	2.3	17.5	+- 0.5; 2.6	14.1	+- 0.6; 3.8	13.7	+- 1.2
6	111	1.6	18.5	+- 0.6; 2.8	15.1	+- 0.6; 3.9	13.8	+- 1.7
7	135	1.5	16.4	+- 0.5; 2.5	13.1	+- 0.6; 3.7	13.3	+- 1.7
8	158	1.4	17.3	+- 0.5; 2.6	13.9	+- 0.6; 3.8	15.7	+- 2.5
9	171	1.9	16.5	+- 0.5; 2.5	13.1	+- 0.6; 3.7	13.2	+- 1.6
10	199	1.5	17.3	+- 0.5; 2.6	13.9	+- 0.6; 3.8	13.4	+- 1.4
11	195	3.9	17.0	+- 0.5; 2.6	13.6	+- 0.6; 3.8	13.3	+- 1.4
12	200	6.6	16.4	+- 0.5; 2.5	13.0	+- 0.6; 3.7	14.0	+- 1.5
13	179	3.9	19.0	+- 0.6; 2.9	15.5	+- 0.6; 4.0	16.4	+- 1.6
14	151	4.4	21.4	+- 0.6; 3.2	17.9	+- 0.7; 4.2	17.3	+- 1.6
15	130	4.6	21.1	+- 0.6; 3.2	17.6	+- 0.7; 4.2	17.7	+- 1.6
16	110	3.7	20.0	+- 0.6; 3.0	16.5	+- 0.7; 4.1	15.2	+- 1.5
17	88	3.6	17.3	+- 0.5; 2.6	13.9	+- 0.6; 3.8	14.4	+- 1.4
18	67	3.8	17.5	+- 0.5; 2.6	14.1	+- 0.6; 3.8	14.7	+- 2.1
19	24	3.8	17.3	+- 0.5; 2.6	13.9	+- 0.6; 3.8	13.4	+- 2.0
20	43	3.3	19.6	+- 0.6; 2.9	16.2	+- 0.6; 4.0	16.0	+- 2.7
21	26	9.9	19.3	+- 0.6; 2.9	15.8	+- 0.6; 4.0	17.5	+- 3.4
22	121	18.0	17.6	+- 0.5; 2.6	14.2	+- 0.6; 3.8	14.3	+- 1.3
23	121	18.0	18.9	+- 0.6; 2.8	15.4	+- 0.6; 3.9	14.6	+- 1.6
24	121	18.0	18.8	+- 0.6; 2.8	15.3	+- 0.6; 3.9	16.1	+- 2.3

Transit Dose = 3.0 +- 0.3; 2.9

DC COOK

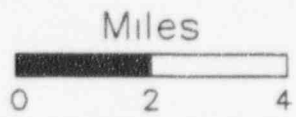
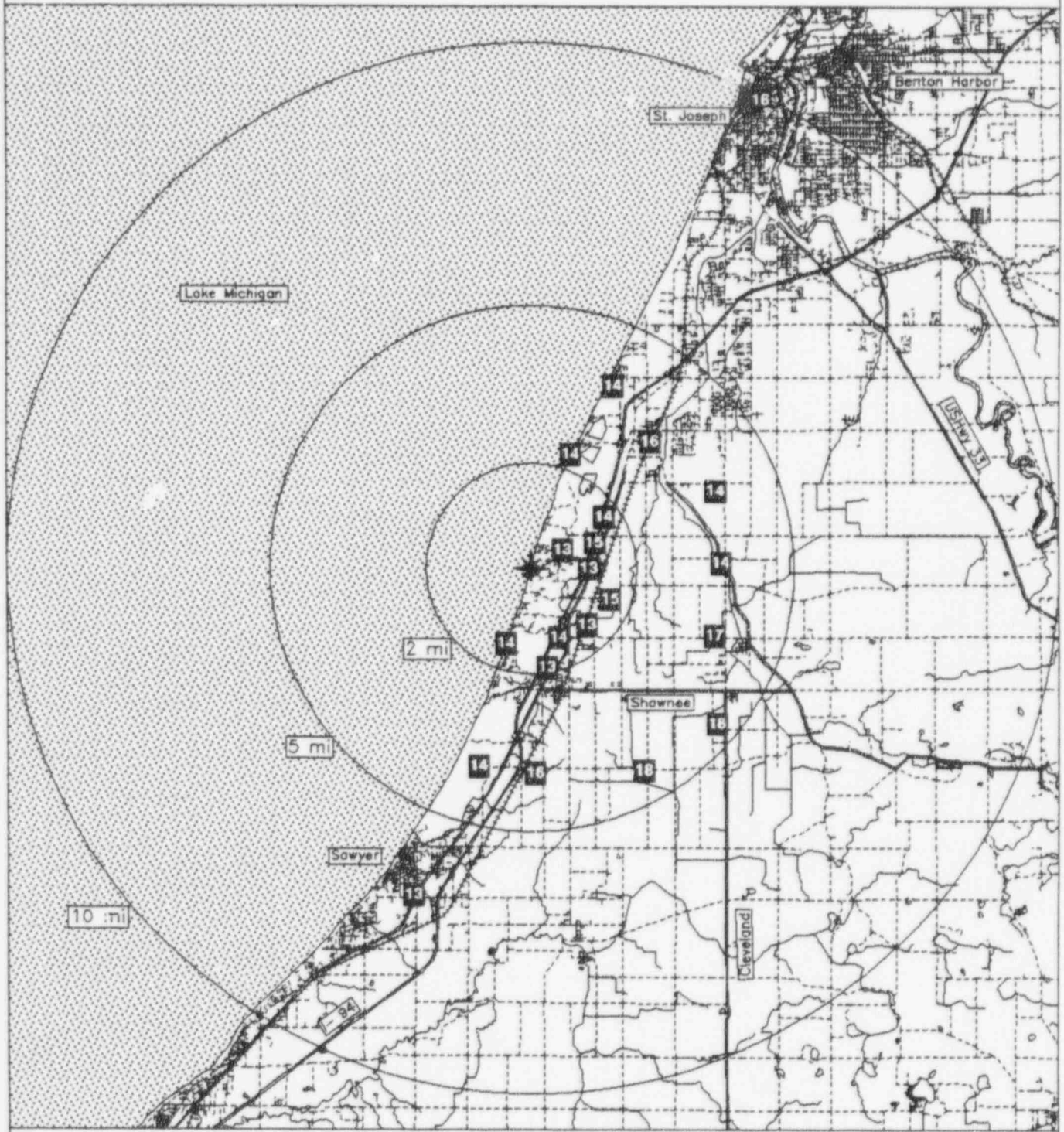
For the period 950614-951025

## TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	No Data +- No Data	0
11.26 - 33.75 NNE	14.6 +- 1.0	3
33.76 - 56.25 NE	15.0 +- 1.6	2
56.26 - 78.75 ENE	13.9 +- 0.9	3
78.76 - 101.25 E	13.4 +- 0.7	2
101.26 - 123.75 ESE	15.8 +- 1.0	2
123.76 - 146.25 SE	15.3 +- 3.2	2
146.26 - 168.75 SSE	15.9 +- 2.8	2
168.76 - 191.25 S	14.3 +- 1.7	2
191.26 - 213.75 SSW	13.5 +- 0.5	3
213.76 - 236.25 SW	No Data +- No Data	0
236.26 - 258.75 WSW	No Data +- No Data	0
258.76 - 281.25 W	No Data +- No Data	0
281.26 - 303.75 WNW	No Data +- No Data	0
303.76 - 326.25 NW	No Data +- No Data	0
326.26 - 348.75 NNW	No Data +- No Data	0

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	13.7 +- 0.8	9
2 - 5	15.3 +- 1.6	10
> 5	14.4 +- 2.0	2
Upwind Control	15.0 +- 0.7	3

# NRC TLD DOSES FOR D.C. COOK AREA



### Legend

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

## DIABLO CANYON

TLD Direct Radiation Environmental Monitoring

For the period 950611-951101 144 Days

Field Time: 104 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	132	0.9	32.8 +- 1.0; 4.9	23.9 +- 0.9; 5.2	23.2 +- 1.5
2	119	3.9	30.4 +- 0.9; 4.6	21.7 +- 0.9; 4.9	21.0 +- 1.5
3	107	7.2	28.3 +- 0.8; 4.2	19.9 +- 0.8; 4.7	19.4 +- 1.5
4	111	10.3	26.1 +- 0.8; 3.9	18.0 +- 0.8; 4.5	18.7 +- 1.6
5	115	13.9	27.7 +- 0.8; 4.2	19.4 +- 0.8; 4.7	19.8 +- 1.7
6	68	9.4	24.9 +- 0.7; 3.7	17.0 +- 0.7; 4.4	18.2 +- 1.7
7	359	11.1	23.9 +- 0.7; 3.6	16.2 +- 0.7; 4.3	16.2 +- 2.3
8	359	6.6	20.7 +- 0.6; 3.1	13.4 +- 0.6; 4.0	14.5 +- 1.7
9	339	4.8	19.9 +- 0.6; 3.0	12.7 +- 0.6; 4.0	13.5 +- 1.3
10	327	3.6	19.5 +- 0.6; 2.9	12.3 +- 0.6; 3.9	14.5 +- 2.5
11	325	1.2	21.0 +- 0.6; 3.1	13.6 +- 0.7; 4.0	14.4 +- 1.7
12	36	20.7	31.2 +- 0.9; 4.7	22.4 +- 0.9; 5.0	21.0 +- 1.4
13	36	20.7	29.6 +- 0.9; 4.4	21.0 +- 0.8; 4.9	20.7 +- 1.9
14	36	20.7	31.9 +- 1.0; 4.8	23.1 +- 0.9; 5.1	21.3 +- 1.5

Transit Dose = 5.3 +- 0.4; 3.4

DIABLO CANYON  
For the period 950611-951101

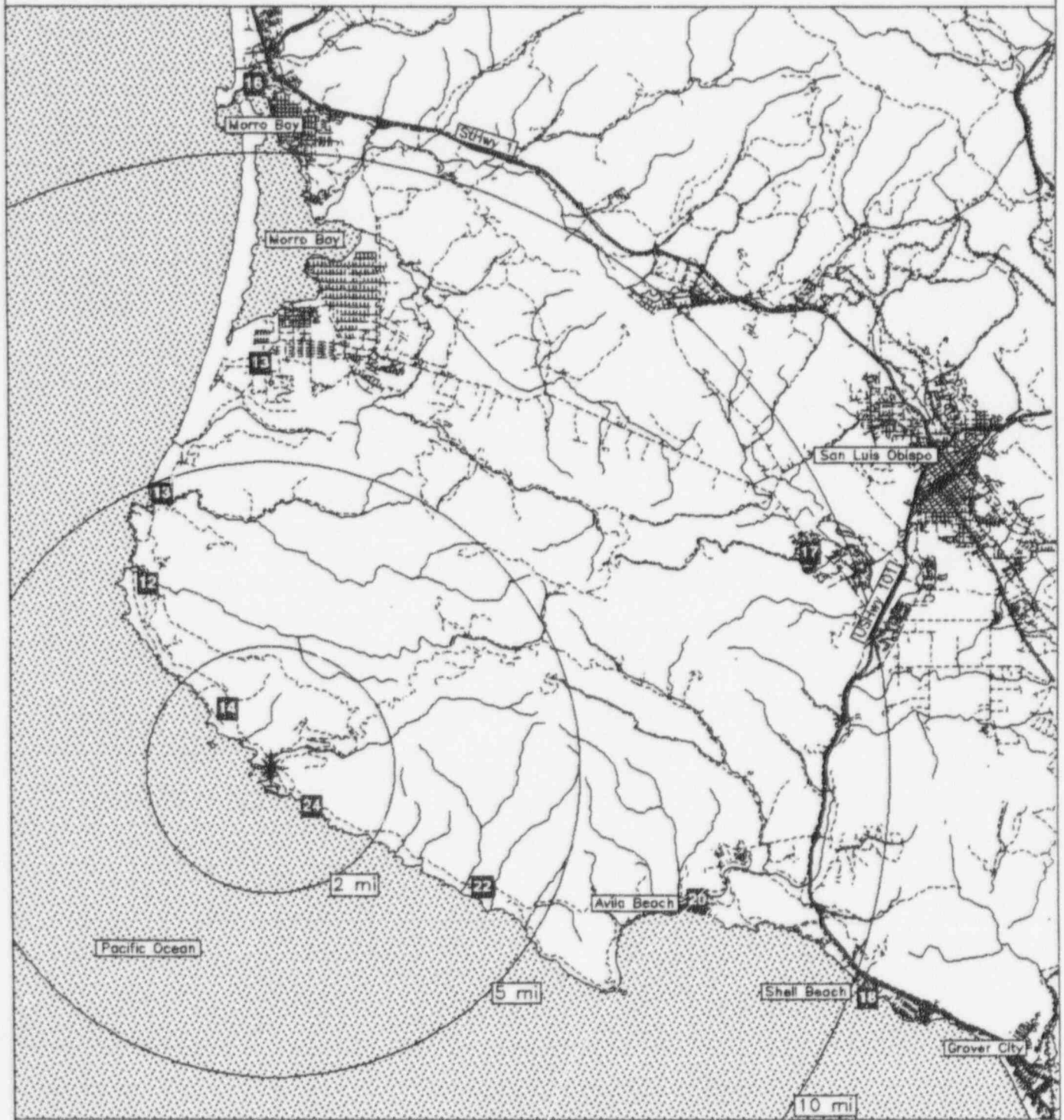
TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	14.8 +- 1.9	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	17.0 +- 0.0	1
78.76 - 101.25 E	No Data +- No Data	0
101.26 - 123.75 ESE	19.8 +- 1.5	4
123.76 - 146.25 SE	23.9 +- 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	13.6 +- 0.0	1
326.26 - 348.75 NNW	12.5 +- 0.3	2

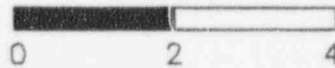
Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	18.7 +- 7.3	2
2 - 5	15.6 +- 5.3	3
> 5	17.3 +- 2.4	6
Upwind Control	22.2 +- 1.0	3








# NRC TLD DOSES FOR DIABLO CANYON AREA



Miles



### Legend

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

## DRESDEN

TLD Direct Radiation Environmental Monitoring

For the period 950612-951025 136 Days

Field Time: 85 Days

NRC Sta	Location		Gross Exposure (mR)		Net Exposure Rate (mR/Std. Qtr.)		Hist. Range Net Exp Rate	
	Azimuth/ (Deg)	Dist (Mi)	+-Rdm; Tot.		+-Rdm; Tot.		+-1 Std Dev	
1	70	4.2	22.4	+- 0.7; 3.4	18.4	+- 0.8; 4.7	17.0	+- 1.8
2	76	3.9	18.9	+- 0.6; 2.8	14.7	+- 0.7; 4.3	16.2	+- 2.5
3	108	3.2	20.1	+- 0.6; 3.0	15.9	+- 0.7; 4.4	17.2	+- 1.6
4	142	1.3	19.5	+- 0.6; 2.9	15.3	+- 0.7; 4.4	14.3	+- 1.7
5	115	1.5	18.1	+- 0.5; 2.7	13.8	+- 0.7; 4.2	14.2	+- 1.7
6	180	1.9	21.8	+- 0.7; 3.3	17.8	+- 0.8; 4.6	17.2	+- 2.1
7	179	0.5	20.5	+- 0.6; 3.1	16.4	+- 0.8; 4.5	16.4	+- 1.6
8	180	0.7	18.3	+- 0.5; 2.7	14.1	+- 0.7; 4.2	14.3	+- 1.4
9	253	0.5	23.1	+- 0.7; 3.5	19.1	+- 0.8; 4.8	17.9	+- 1.6
10	254	1.3	30.9	+- 0.9; 4.6	27.4	+- 1.1; 5.8	23.6	+- 3.7
11	250	1.5	19.1	+- 0.6; 2.9	14.9	+- 0.7; 4.3	14.9	+- 2.3
12	263	2.1	21.9	+- 0.7; 3.3	17.8	+- 0.8; 4.6	17.8	+- 1.5
13	180	4.0	18.5	+- 0.6; 2.8	14.3	+- 0.7; 4.2	13.7	+- 1.5
14	158	4.8	19.2	+- 0.6; 2.9	15.0	+- 0.7; 4.3	14.9	+- 1.6
15	137	4.2	19.5	+- 0.6; 2.9	15.3	+- 0.7; 4.4	15.0	+- 2.1
16	134	8.4	18.6	+- 0.6; 2.8	14.4	+- 0.7; 4.3	14.5	+- 1.1
17	189	7.4	20.0	+- 0.6; 3.0	15.8	+- 0.7; 4.4	15.6	+- 1.6
18	203	4.1	16.5	+- 0.5; 2.5	12.1	+- 0.6; 4.0	13.5	+- 2.4
19	231	4.0	22.6	+- 0.7; 3.4	18.6	+- 0.8; 4.7	18.2	+- 2.4
20	244	6.4	20.7	+- 0.6; 3.1	16.6	+- 0.8; 4.5	16.1	+- 1.8
21	258	8.6	21.2	+- 0.6; 3.2	17.1	+- 0.8; 4.5	16.8	+- 1.6
22	269	4.4	18.9	+- 0.6; 2.8	14.7	+- 0.7; 4.3	14.5	+- 1.5
23	295	3.3	21.5	+- 0.6; 3.2	17.4	+- 0.8; 4.6	15.2	+- 1.4
24	311	3.9	22.1	+- 0.7; 3.3	18.1	+- 0.8; 4.7	16.0	+- 1.8
25	340	4.7	25.1	+- 0.8; 3.8	21.3	+- 0.9; 5.0	18.7	+- 2.1
26	7	4.4	20.0	+- 0.6; 3.0	15.9	+- 0.7; 4.4	15.5	+- 1.8
27	355	2.0	23.3	+- 0.7; 3.5	19.3	+- 0.8; 4.8	20.3	+- 1.9
28	327	1.7	24.8	+- 0.7; 3.7	21.0	+- 0.9; 5.0	20.7	+- 1.8
29	318	1.4	21.9	+- 0.7; 3.3	17.8	+- 0.8; 4.6	17.9	+- 2.1
30	295	2.0	18.8	+- 0.6; 2.8	14.6	+- 0.7; 4.3	15.1	+- 2.5
31	30	1.5	24.4	+- 0.7; 3.7	20.5	+- 0.9; 4.9	19.3	+- 2.2
32	48	1.9	24.0	+- 0.7; 3.6	20.1	+- 0.9; 4.9	20.6	+- 2.1
33	76	1.4	Missing Dosimeter		No Net Data		18.8	+- 2.3
34	90	1.4	21.1	+- 0.6; 3.2	17.1	+- 0.8; 4.5	18.1	+- 3.4
35	26	4.5	Damaged Dosimeter		No Net Data		17.4	+- 1.9
36	42	3.6	20.1	+- 0.6; 3.0	16.0	+- 0.7; 4.4	15.9	+- 2.1
37	52	11.5	20.8	+- 0.6; 3.1	16.7	+- 0.8; 4.5	16.7	+- 2.5
38	274	21.5	22.1	+- 0.7; 3.3	18.0	+- 0.8; 4.6	17.6	+- 2.6
39	274	21.5	20.9	+- 0.6; 3.1	16.8	+- 0.8; 4.5	17.5	+- 2.2
40	275	21.5	23.1	+- 0.7; 3.5	19.1	+- 0.8; 4.8	19.0	+- 2.8

Transit Dose = 5.0 +- 0.4; 2.9

DRESDEN

For the period 950612-951025

## TLD Direct Radiation Environmental Monitoring

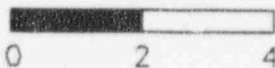
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	17.6 +- 2.4	2
11.26 - 33.75 NNE	20.5 +- 0.0	1
33.76 - 56.25 NE	17.6 +- 2.2	3
56.26 - 78.75 ENE	16.6 +- 2.6	2
78.76 - 101.25 E	17.0 +- 0.0	1
101.26 - 123.75 ESE	14.9 +- 1.5	2
123.76 - 146.25 SE	15.0 +- 0.5	3
146.26 - 168.75 SSE	15.0 +- 0.0	1
168.76 - 191.25 S	15.7 +- 1.5	5
191.26 - 213.75 SSW	12.1 +- 0.0	1
213.76 - 236.25 SW	18.6 +- 0.0	1
236.26 - 258.75 WSW	19.0 +- 4.9	5
258.76 - 281.25 W	16.3 +- 2.2	2
281.26 - 303.75 WNW	16.0 +- 2.0	2
303.76 - 326.25 NW	17.9 +- 0.2	2
326.26 - 348.75 NNW	21.1 +- 0.2	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	17.9 +- 3.6	15
2 - 5	16.4 +- 2.3	15
> 5	16.1 +- 1.1	5
Upwind Control	18.0 +- 1.2	3

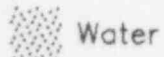
# NRC TLD DOSES FOR DRESDEN AREA



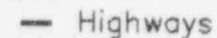
Miles



### Legend



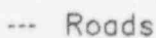
Water



Highways



Railroads



Roads



Plant..site

DUANE ARNOLD

TLD Direct Radiation Environmental Monitoring

For the period 950612-951019 130 Days

Field Time: 99 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	163	9.7	16.6 +- 0.5; 2.5	15.1 +- 0.5; 3.4	16.5 +- 1.8
2	170	6.2	21.4 +- 0.6; 3.2	19.4 +- 0.6; 3.9	18.6 +- 1.6
3	180	3.5	17.5 +- 0.5; 2.6	15.9 +- 0.5; 3.5	15.3 +- 1.2
4	216	2.9	22.4 +- 0.7; 3.4	20.4 +- 0.6; 4.0	18.7 +- 2.1
5	201	2.5	16.9 +- 0.5; 2.5	15.4 +- 0.5; 3.5	15.2 +- 1.5
6	213	1.0	19.0 +- 0.6; 2.8	17.2 +- 0.6; 3.7	17.0 +- 1.6
7	248	1.0	21.2 +- 0.6; 3.2	19.3 +- 0.6; 3.9	18.8 +- 1.8
8	279	1.0	21.9 +- 0.7; 3.3	19.9 +- 0.6; 4.0	18.4 +- 1.8
9	298	1.0	22.8 +- 0.7; 3.4	20.7 +- 0.7; 4.1	19.5 +- 2.1
10	320	1.5	20.0 +- 0.6; 3.0	18.2 +- 0.6; 3.8	18.7 +- 1.9
11	343	1.0	22.0 +- 0.7; 3.3	20.0 +- 0.6; 4.0	19.4 +- 1.8
12	359	1.2	19.6 +- 0.6; 2.9	17.8 +- 0.6; 3.7	18.1 +- 1.6
13	237	0.5	20.8 +- 0.6; 3.1	18.9 +- 0.6; 3.8	17.4 +- 1.7
14	259	3.9	20.0 +- 0.6; 3.0	18.2 +- 0.6; 3.8	17.9 +- 2.0
15	272	5.0	16.3 +- 0.5; 2.4	14.8 +- 0.5; 3.4	15.0 +- 1.5
16	285	5.0	19.3 +- 0.6; 2.9	17.5 +- 0.6; 3.7	16.7 +- 1.6
17	308	4.5	21.2 +- 0.6; 3.2	19.3 +- 0.6; 3.9	18.7 +- 1.9
18	340	4.5	15.5 +- 0.5; 2.3	14.1 +- 0.5; 3.4	15.5 +- 1.5
19	291	15.0	19.2 +- 0.6; 2.9	17.4 +- 0.6; 3.7	17.0 +- 1.5
20	291	15.0	20.2 +- 0.6; 3.0	18.3 +- 0.6; 3.8	17.7 +- 1.7
21	291	15.0	18.3 +- 0.5; 2.7	16.6 +- 0.5; 3.6	16.5 +- 1.6
22	358	6.1	17.9 +- 0.5; 2.7	16.3 +- 0.5; 3.6	15.8 +- 1.4
23	7	2.9	17.4 +- 0.5; 2.6	15.8 +- 0.5; 3.5	15.2 +- 1.4
24	28	3.0	22.5 +- 0.7; 3.4	20.4 +- 0.6; 4.0	18.6 +- 1.8
25	39	3.5	19.2 +- 0.6; 2.9	17.4 +- 0.6; 3.7	17.2 +- 1.5
26	64	3.8	Damaged Dosimeter	No Net Data	17.7 +- 1.4
27	50	1.9	18.2 +- 0.5; 2.7	16.5 +- 0.5; 3.6	15.6 +- 1.5
28	72	2.3	21.1 +- 0.6; 3.2	19.2 +- 0.6; 3.9	17.2 +- 1.4
29	91	3.0	18.0 +- 0.5; 2.7	16.4 +- 0.5; 3.6	15.5 +- 1.5
30	93	1.8	21.8 +- 0.7; 3.3	19.8 +- 0.6; 3.9	19.0 +- 1.5
31	113	2.0	21.8 +- 0.7; 3.3	19.8 +- 0.6; 4.0	19.2 +- 1.5
32	141	1.6	16.7 +- 0.5; 2.5	15.2 +- 0.5; 3.5	15.4 +- 1.5
33	153	1.5	20.9 +- 0.6; 3.1	19.0 +- 0.6; 3.9	17.7 +- 1.8
34	177	1.2	16.7 +- 0.5; 2.5	15.2 +- 0.5; 3.5	15.6 +- 2.4
35	153	4.2	15.9 +- 0.5; 2.4	14.4 +- 0.5; 3.4	15.0 +- 1.5
36	135	4.1	18.0 +- 0.5; 2.7	16.3 +- 0.5; 3.6	16.4 +- 1.3
37	111	4.6	19.9 +- 0.6; 3.0	18.1 +- 0.6; 3.8	18.7 +- 1.7
38	123	5.1	21.7 +- 0.7; 3.3	19.7 +- 0.6; 3.9	18.5 +- 1.6
39	132	7.0	17.7 +- 0.5; 2.7	16.1 +- 0.5; 3.5	15.7 +- 1.4
40	139	7.6	20.3 +- 0.6; 3.0	18.4 +- 0.6; 3.8	16.6 +- 1.5

Transit Dose = 0.0 +- 0.2; 2.9

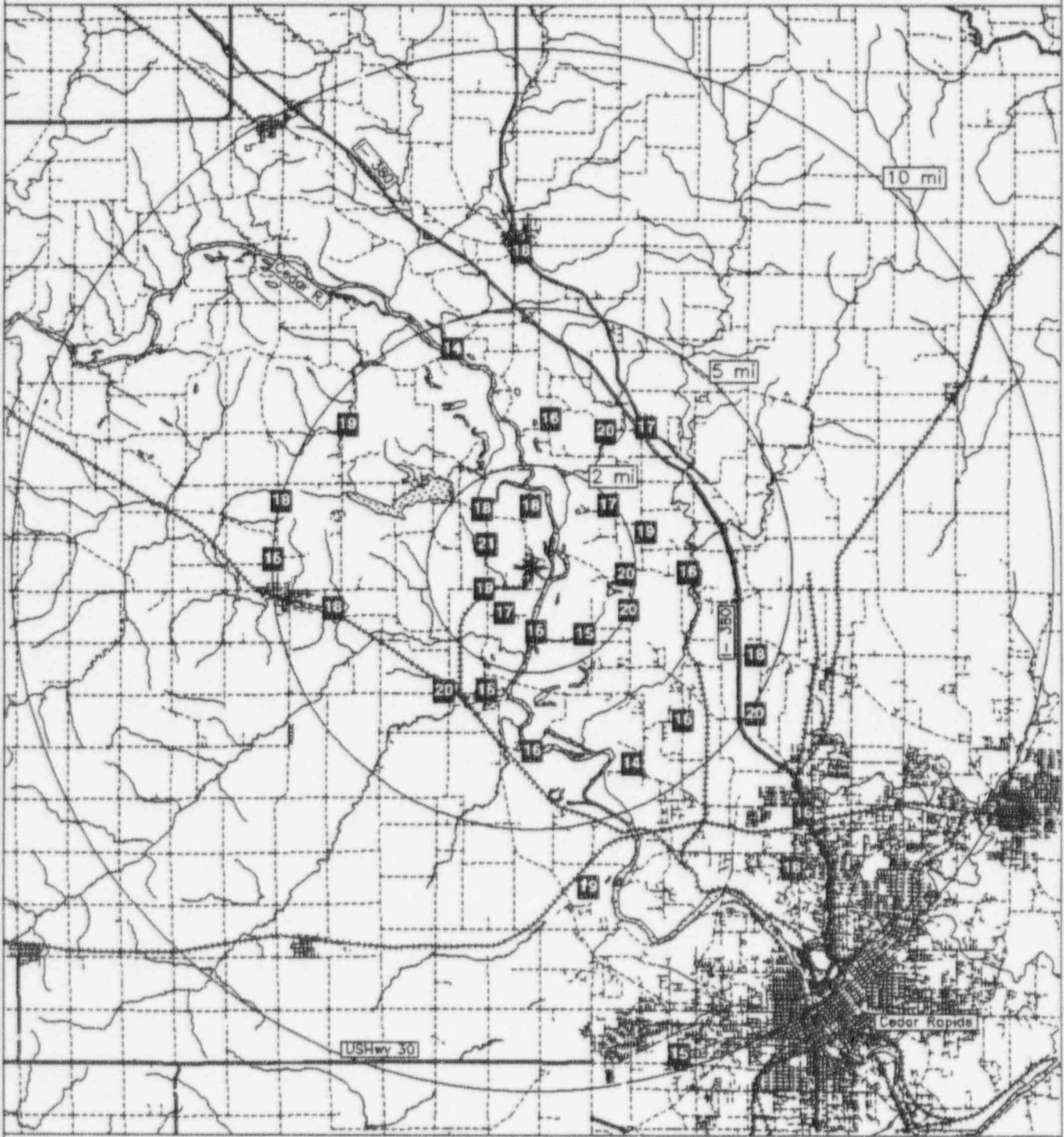
DUANE ARNOLD  
For the period 950612-951019

TLD Direct Radiation Environmental Monitoring

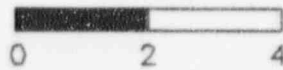
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	16.6 +- 1.1	3
11.26 - 33.75 NNE	20.4 +- 0.0	1
33.76 - 56.25 NE	17.0 +- 0.6	2
56.26 - 78.75 ENE	19.2 +- 0.0	1
78.76 - 101.25 E	18.1 +- 2.4	2
101.26 - 123.75 ESE	19.2 +- 1.0	3
123.76 - 146.25 SE	16.5 +- 1.4	4
146.26 - 168.75 SSE	16.2 +- 2.5	3
168.76 - 191.25 S	16.9 +- 2.3	3
191.26 - 213.75 SSW	16.3 +- 1.3	2
213.76 - 236.25 SW	20.4 +- 0.0	1
236.26 - 258.75 WSW	19.1 +- 0.3	2
258.76 - 281.25 W	17.6 +- 2.6	3
281.26 - 303.75 WNW	19.1 +- 2.3	2
303.76 - 326.25 NW	18.7 +- 0.8	2
326.26 - 348.75 NNW	17.0 +- 4.2	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	18.4 +- 1.8	14
2 - 5	17.1 +- 2.0	16
> 5	17.5 +- 1.9	6
Upwind Control	17.5 +- 0.9	3

# NRC TLD DOSES FOR DUANE ARNOLD AREA



Miles



### Legend

- Water
- Highways

- Railroads
- Roads

- Plant site

## FARLEY

TLD Direct Radiation Environmental Monitoring  
 For the period 950614-951024 133 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	268 15.0	16.7 +- 0.5; 2.5	13.8 +- 0.6; 3.6	14.0 +- 2.6
2	252 7.8	17.0 +- 0.5; 2.5	14.1 +- 0.6; 3.7	14.2 +- 2.5
3	217 6.1	19.1 +- 0.6; 2.9	16.1 +- 0.6; 3.9	15.4 +- 2.2
4	155 5.7	23.7 +- 0.7; 3.6	20.5 +- 0.7; 4.4	18.5 +- 2.3
5	170 5.1	18.8 +- 0.6; 2.8	15.8 +- 0.6; 3.8	15.4 +- 2.2
6	197 4.5	18.1 +- 0.5; 2.7	15.2 +- 0.6; 3.8	14.3 +- 2.2
7	191 2.4	20.0 +- 0.6; 3.0	17.0 +- 0.6; 4.0	17.8 +- 2.7
8	200 1.8	19.3 +- 0.6; 2.9	16.4 +- 0.6; 3.9	15.4 +- 2.3
9	220 1.2	17.2 +- 0.5; 2.6	14.4 +- 0.6; 3.7	13.8 +- 2.4
10	254 0.9	19.8 +- 0.6; 3.0	16.8 +- 0.6; 4.0	16.0 +- 2.2
11	300 0.9	21.1 +- 0.6; 3.2	18.0 +- 0.7; 4.1	16.0 +- 2.3
12	319 1.1	20.2 +- 0.6; 3.0	17.1 +- 0.6; 4.0	16.2 +- 2.5
13	338 1.3	18.0 +- 0.5; 2.7	15.1 +- 0.6; 3.8	14.4 +- 2.2
14	256 1.2	18.8 +- 0.6; 2.8	15.9 +- 0.6; 3.8	14.8 +- 2.4
15	16 1.3	Damaged Dosimeter	No Net Data	20.1 +- 2.4
16	264 1.6	18.5 +- 0.6; 2.8	15.6 +- 0.6; 3.8	14.8 +- 2.3
17	253 3.5	20.9 +- 0.6; 3.1	17.8 +- 0.7; 4.1	17.0 +- 2.3
18	233 3.2	18.3 +- 0.5; 2.7	15.4 +- 0.6; 3.8	15.1 +- 2.2
19	267 4.5	20.5 +- 0.6; 3.1	17.4 +- 0.6; 4.0	16.2 +- 2.2
20	295 3.8	20.3 +- 0.6; 3.0	17.3 +- 0.6; 4.0	16.0 +- 2.5
21	315 4.6	18.6 +- 0.6; 2.8	15.6 +- 0.6; 3.8	14.5 +- 2.4
22	332 4.3	18.4 +- 0.6; 2.8	15.5 +- 0.6; 3.8	14.3 +- 2.2
23	251 4.8	17.1 +- 0.5; 2.6	14.2 +- 0.6; 3.7	13.9 +- 2.2
24	32 5.3	19.9 +- 0.6; 3.0	16.9 +- 0.6; 4.0	16.3 +- 2.2
25	54 6.2	18.8 +- 0.6; 2.8	15.9 +- 0.6; 3.8	14.1 +- 2.4
26	64 5.5	19.7 +- 0.6; 3.0	16.7 +- 0.6; 3.9	15.9 +- 2.3
27	88 4.7	19.7 +- 0.6; 2.9	16.7 +- 0.6; 3.9	15.5 +- 2.2
28	124 5.1	21.0 +- 0.6; 3.1	17.9 +- 0.7; 4.1	16.3 +- 2.3
29	153 4.1	19.4 +- 0.6; 2.9	16.5 +- 0.6; 3.9	15.5 +- 2.3
30	142 3.6	17.9 +- 0.5; 2.7	15.0 +- 0.6; 3.8	14.2 +- 2.2
31	130 3.0	17.3 +- 0.5; 2.6	14.5 +- 0.6; 3.7	13.2 +- 2.4
32	110 2.8	17.2 +- 0.5; 2.6	14.3 +- 0.6; 3.7	14.2 +- 2.5
33	78 2.6	17.7 +- 0.5; 2.6	14.8 +- 0.6; 3.7	14.1 +- 2.5
34	58 2.2	16.7 +- 0.5; 2.5	13.9 +- 0.6; 3.6	13.0 +- 2.3
35	34 2.4	23.3 +- 0.7; 3.5	20.2 +- 0.7; 4.3	19.1 +- 2.3
36	19 2.7	20.5 +- 0.6; 3.1	17.4 +- 0.6; 4.0	16.7 +- 2.2
37	284 10.0	19.2 +- 0.6; 2.9	16.3 +- 0.6; 3.9	15.5 +- 2.4
38	289 15.0	16.1 +- 0.5; 2.4	13.3 +- 0.5; 3.6	14.8 +- 3.3
39	293 15.0	19.8 +- 0.6; 3.0	16.8 +- 0.6; 3.9	16.5 +- 2.1

Transit Dose = 2.1 +- 0.3; 2.9



FARLEY

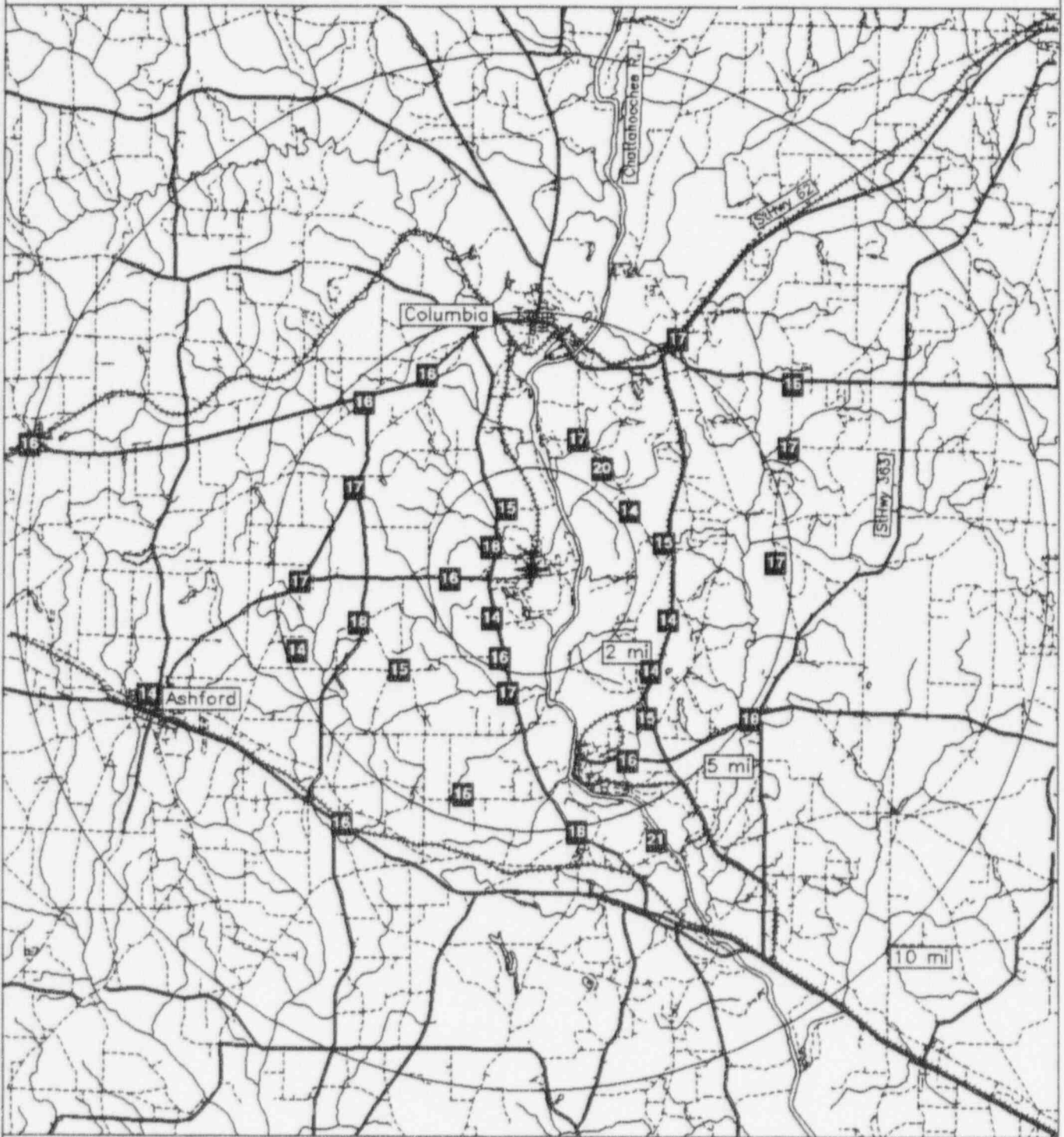
For the period 950614-951024

## TLD Direct Radiation Environmental Monitoring

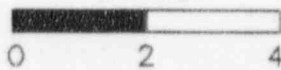
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	No Data +- No Data	0
11.26 - 33.75 NNE	17.2 +- 0.4	2
33.76 - 56.25 NE	18.0 +- 3.0	2
56.26 - 78.75 ENE	15.1 +- 1.5	3
78.76 - 101.25 E	16.7 +- 0.0	1
101.26 - 123.75 ESE	14.3 +- 0.0	1
123.76 - 146.25 SE	15.8 +- 1.9	3
146.26 - 168.75 SSE	18.5 +- 2.9	2
168.76 - 191.25 S	16.4 +- 0.8	2
191.26 - 213.75 SSW	15.8 +- 0.8	2
213.76 - 236.25 SW	15.3 +- 0.9	3
236.26 - 258.75 WSW	15.8 +- 1.6	5
258.76 - 281.25 W	15.6 +- 1.8	3
281.26 - 303.75 WNW	17.7 +- 0.6	2
303.76 - 326.25 NW	16.4 +- 1.1	2
326.26 - 348.75 NNW	15.3 +- 0.3	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	16.2 +- 1.2	8
2 - 5	16.0 +- 1.6	18
> 5	16.4 +- 2.0	9
Upwind Control	15.5 +- 1.9	3

# NRC TLD DOSES FOR FARLEY AREA



Miles



Legend

— Highways

- - - Railroads

..... Roads

★ Plant..site

## FERMI

TLD Direct Radiation Environmental Monitoring

For the period 950612-951026 137 Days

Field Time: 94 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)		Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	38	2.1	17.6 +- 0.5; 2.6	11.2 +- 0.6; 4.0	12.8 +- 2.6
2	22	2.3	22.1 +- 0.7; 3.3	15.5 +- 0.7; 4.4	14.6 +- 2.0
3	350	1.8	25.9 +- 0.8; 3.9	19.2 +- 0.8; 4.8	19.9 +- 1.7
4	345	1.9	22.9 +- 0.7; 3.4	16.3 +- 0.8; 4.5	15.7 +- 1.5
5	346	1.4	22.6 +- 0.7; 3.4	16.0 +- 0.8; 4.5	16.7 +- 1.6
6	310	1.3	22.9 +- 0.7; 3.4	16.3 +- 0.8; 4.5	16.8 +- 1.9
7	298	1.4	24.7 +- 0.7; 3.7	18.0 +- 0.8; 4.7	16.5 +- 1.6
8	277	1.6	21.4 +- 0.6; 3.2	14.9 +- 0.7; 4.4	16.7 +- 1.0
9	238	1.0	19.9 +- 0.6; 3.0	13.4 +- 0.7; 4.2	15.1 +- 2.5
10	225	1.5	20.3 +- 0.6; 3.0	13.8 +- 0.7; 4.2	14.0 +- 1.3
11	193	0.8	22.5 +- 0.7; 3.4	15.9 +- 0.8; 4.5	16.4 +- 1.0
12	183	0.9	24.2 +- 0.7; 3.6	17.5 +- 0.8; 4.6	16.4 +- 1.2
13	175	0.8	22.5 +- 0.7; 3.4	15.9 +- 0.8; 4.5	15.9 +- 0.9
14	260	1.7	Damaged Dosimeter	No Net Data	18.3 +- 1.3
15	245	2.5	21.3 +- 0.6; 3.2	14.8 +- 0.7; 4.3	15.1 +- 1.4
16	236	5.0	25.0 +- 0.7; 3.7	18.3 +- 0.8; 4.7	18.7 +- 1.1
17	225	6.8	21.0 +- 0.6; 3.1	14.4 +- 0.7; 4.3	13.2 +- 1.5
18	250	7.8	18.9 +- 0.6; 2.8	12.5 +- 0.7; 4.1	13.1 +- 1.3
19	277	6.0	19.1 +- 0.6; 2.9	12.7 +- 0.7; 4.1	13.7 +- 1.4
20	297	6.0	21.6 +- 0.6; 3.2	15.0 +- 0.7; 4.4	15.6 +- 1.9
21	320	3.8	22.3 +- 0.7; 3.3	15.7 +- 0.8; 4.5	15.9 +- 1.2
22	340	4.7	25.2 +- 0.8; 3.8	18.4 +- 0.8; 4.8	17.3 +- 1.1
23	358	4.3	26.0 +- 0.8; 3.9	19.3 +- 0.8; 4.8	17.7 +- 1.8
24	23	5.0	25.6 +- 0.8; 3.8	18.8 +- 0.8; 4.8	18.8 +- 1.4
25	25	7.0	21.3 +- 0.6; 3.2	14.7 +- 0.7; 4.3	13.6 +- 1.6
26	0	7.0	21.6 +- 0.6; 3.2	15.0 +- 0.7; 4.4	14.4 +- 1.6
27	342	8.0	22.8 +- 0.7; 3.4	16.2 +- 0.8; 4.5	15.8 +- 1.2
28	320	9.5	22.5 +- 0.7; 3.4	15.9 +- 0.8; 4.5	14.6 +- 1.1
29	290	11.0	22.1 +- 0.7; 3.3	15.5 +- 0.7; 4.4	17.0 +- 1.5
30	270	11.0	23.9 +- 0.7; 3.6	17.2 +- 0.8; 4.6	18.1 +- 1.7
31	245	10.0	21.0 +- 0.6; 3.2	14.5 +- 0.7; 4.3	15.1 +- 1.4
32	220	11.0	22.8 +- 0.7; 3.4	16.2 +- 0.8; 4.5	15.8 +- 1.5
33	270	15.0	20.4 +- 0.6; 3.1	13.9 +- 0.7; 4.3	14.3 +- 1.3
34	270	15.0	21.2 +- 0.6; 3.2	14.6 +- 0.7; 4.3	14.6 +- 1.2
35	290	16.0	23.1 +- 0.7; 3.5	16.5 +- 0.8; 4.5	15.6 +- 1.0
36	350	0.8	20.3 +- 0.6; 3.0	13.8 +- 0.7; 4.2	14.6 +- 2.7
37	330	0.7	21.8 +- 0.7; 3.3	15.2 +- 0.7; 4.4	15.5 +- 1.8
38	310	0.7	23.0 +- 0.7; 3.5	16.4 +- 0.8; 4.5	15.3 +- 2.4
39	23	10.0	20.9 +- 0.6; 3.1	14.4 +- 0.7; 4.3	16.9 +- 2.0
40	0	9.0	23.2 +- 0.7; 3.5	16.5 +- 0.8; 4.5	17.8 +- 1.5
41	348	9.0	19.3 +- 0.6; 2.9	12.8 +- 0.7; 4.1	13.8 +- 1.5

Transit Dose = 5.9 +- 0.4; 3.2

FERMI

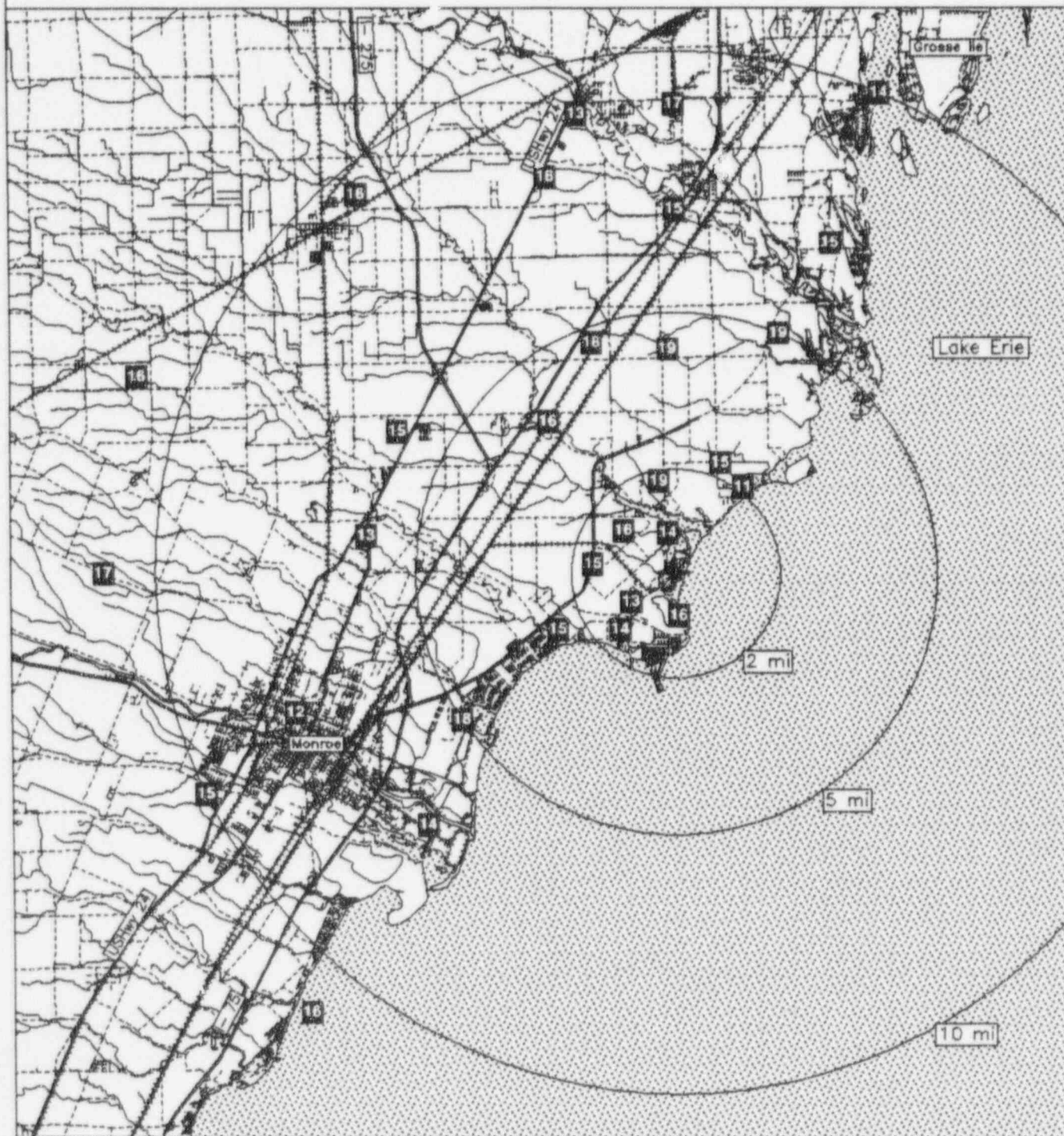
For the period 950612-951026

## TLD Direct Radiation Environmental Monitoring

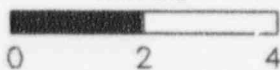
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	16.8 +- 2.5	5
11.26 - 33.75 NNE	15.9 +- 2.0	4
33.76 - 56.25 NE	11.2 +- 0.0	1
56.26 - 78.75 ENE	No Data +- No Data	0
78.76 - 101.25 E	No Data +- No Data	0
101.26 - 123.75 ESE	No Data +- No Data	0
123.76 - 146.25 SE	No Data +- No Data	0
146.26 - 168.75 SSE	No Data +- No Data	0
168.76 - 191.25 S	16.7 +- 1.1	2
191.26 - 213.75 SSW	15.9 +- 0.0	1
213.76 - 236.25 SW	15.7 +- 2.0	4
236.26 - 258.75 WSW	13.8 +- 1.1	4
258.76 - 281.25 W	14.9 +- 2.3	3
281.26 - 303.75 WNW	16.2 +- 1.6	3
303.76 - 326.25 NW	16.1 +- 0.3	4
326.26 - 348.75 NNW	15.8 +- 1.8	6

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	15.9 +- 1.6	14
2 - 5	16.5 +- 2.7	8
> 5	14.9 +- 1.4	15
Upwind Control	15.0 +- 1.3	3

# NRC TLD DOSES FOR FERMI AREA



Miles



### Legend



Water



Highways

--- Railroads

--- Roads



Plant..site

FITZPATRICK/ NINE MI  
 TLD Direct Radiation Environmental Monitoring  
 For the period 950615-951017 125 Days  
 Field Time: 95 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	230	6.9	17.9 +- 0.5; 2.7	14.7 +- 0.6; 3.8	14.7 +- 1.4
2	184	14.0	18.9 +- 0.6; 2.8	15.7 +- 0.6; 3.9	15.7 +- 1.4
3	122	8.4	17.6 +- 0.5; 2.6	14.4 +- 0.6; 3.7	14.3 +- 1.6
4	76	11.0	19.6 +- 0.6; 2.9	16.3 +- 0.6; 3.9	14.9 +- 1.1
5	91	6.8	19.2 +- 0.6; 2.9	15.9 +- 0.6; 3.9	15.4 +- 1.6
6	112	4.3	18.4 +- 0.6; 2.8	15.2 +- 0.6; 3.8	15.0 +- 1.2
7	138	4.3	18.5 +- 0.6; 2.8	15.3 +- 0.6; 3.8	15.0 +- 1.3
8	152	3.6	18.6 +- 0.6; 2.8	15.4 +- 0.6; 3.8	14.8 +- 1.4
9	183	3.9	19.2 +- 0.6; 2.9	16.0 +- 0.6; 3.9	15.3 +- 1.1
10	205	4.5	17.4 +- 0.5; 2.6	14.2 +- 0.6; 3.7	14.2 +- 1.5
11	220	4.4	19.8 +- 0.6; 3.0	16.5 +- 0.6; 4.0	15.3 +- 1.2
12	230	6.1	18.5 +- 0.6; 2.8	15.3 +- 0.6; 3.8	15.4 +- 1.2
13	245	1.8	18.6 +- 0.6; 2.8	15.4 +- 0.6; 3.8	15.2 +- 1.3
14	223	1.8	17.6 +- 0.5; 2.6	14.5 +- 0.6; 3.7	14.7 +- 1.4
15	204	2.0	19.0 +- 0.6; 2.9	15.0 +- 0.6; 3.9	14.4 +- 1.4
16	181	1.8	17.9 +- 0.5; 2.7	14.7 +- 0.6; 3.8	14.8 +- 1.2
17	157	1.9	18.2 +- 0.5; 2.7	15.0 +- 0.6; 3.8	14.8 +- 1.3
18	137	1.6	17.8 +- 0.5; 2.7	14.6 +- 0.6; 3.8	14.6 +- 1.2
19	115	1.2	18.0 +- 0.5; 2.7	14.8 +- 0.6; 3.8	14.8 +- 1.5
20	92	1.1	18.3 +- 0.6; 2.8	15.1 +- 0.6; 3.8	15.3 +- 1.4
21	229	20.0	18.3 +- 0.5; 2.7	15.1 +- 0.6; 3.8	14.7 +- 1.3
22	229	20.0	18.2 +- 0.5; 2.7	15.0 +- 0.6; 3.8	14.5 +- 1.2
23	229	20.0	18.8 +- 0.6; 2.8	15.6 +- 0.6; 3.9	14.7 +- 1.1
24	196	8.0	17.2 +- 0.5; 2.6	14.1 +- 0.6; 3.7	14.4 +- 1.7
25	168	7.2	18.4 +- 0.6; 2.8	15.2 +- 0.6; 3.8	14.3 +- 1.2
26	152	0.6	19.2 +- 0.6; 2.9	16.0 +- 0.6; 3.9	16.0 +- 1.2

Transit Dose = 2.4 +- 0.3; 2.9

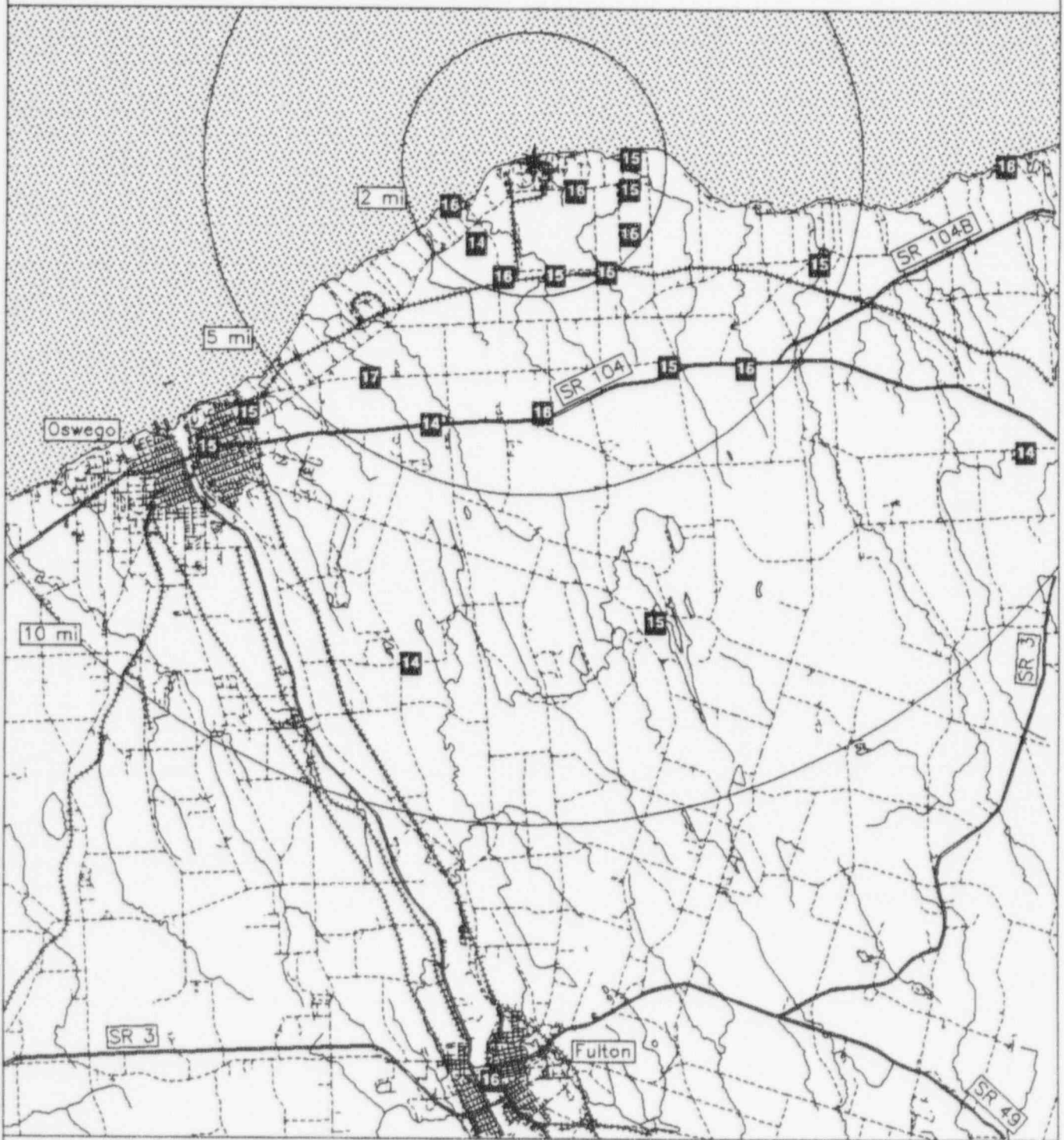
FITZPATRICK/ NINE MI  
For the period 950615-951017

TLD Direct Radiation Environmental Monitoring

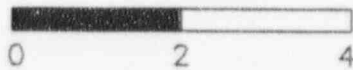
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	No Data +- No Data	0
11.26 - 33.75 NNE	No Data +- No Data	0
33.76 - 56.25 NE	No Data +- No Data	0
56.26 - 78.75 ENE	16.3 +- 0.0	1
78.76 - 101.25 E	15.5 +- 0.5	2
101.26 - 123.75 ESE	14.8 +- 0.4	3
123.76 - 146.25 SE	15.0 +- 0.5	2
146.26 - 168.75 SSE	15.4 +- 0.4	4
168.76 - 191.25 S	15.5 +- 0.7	3
191.26 - 213.75 SSW	14.7 +- 0.9	3
213.76 - 236.25 SW	15.3 +- 0.9	4
236.26 - 258.75 WSW	15.4 +- 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	15.1 +- 0.5	9
2 - 5	15.4 +- 0.8	6
> 5	15.2 +- 0.8	8
Upwind Control	15.2 +- 0.3	3

# NRC TLD DOSES FOR FITZPATRICK & NINE MILE PT AREA



Miles



### Legend

Water

Highways

Railroads

Roads

Plant..site



## FORT CALHOUN

TLD Direct Radiation Environmental Monitoring

For the period 950611-951026 138 Days

Field Time: 86 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	358	2.0	25.4 +- 0.8; 3.8	18.9 +- 0.9; 5.2	18.5 +- 1.4
2	351	4.6	25.9 +- 0.8; 3.9	19.4 +- 0.9; 5.2	19.2 +- 1.6
3	30	2.5	26.4 +- 0.8; 4.0	19.9 +- 0.9; 5.3	19.1 +- 1.6
4	27	4.6	Damaged Dosimeter	No Net Data	19.8 +- 1.6
5	53	1.9	25.8 +- 0.8; 3.9	19.3 +- 0.9; 5.2	18.8 +- 1.7
6	37	3.9	27.1 +- 0.8; 4.1	20.6 +- 1.0; 5.4	19.7 +- 1.6
7	76	2.3	27.1 +- 0.8; 4.1	20.6 +- 1.0; 5.4	20.0 +- 1.7
8	59	5.2	24.9 +- 0.7; 3.7	18.3 +- 0.9; 5.1	19.0 +- 1.8
9	100	2.3	24.0 +- 0.7; 3.6	17.4 +- 0.9; 5.0	17.5 +- 1.7
10	88	5.6	27.2 +- 0.8; 4.1	20.8 +- 1.0; 5.4	19.7 +- 1.6
11	122	2.3	27.1 +- 0.8; 4.1	20.6 +- 1.0; 5.4	19.7 +- 1.7
12	105	5.7	27.5 +- 0.8; 4.1	21.0 +- 1.0; 5.4	18.9 +- 1.6
13	145	1.9	26.1 +- 0.8; 3.9	19.7 +- 0.9; 5.3	20.0 +- 1.6
14	128	5.5	26.6 +- 0.8; 4.0	20.1 +- 0.9; 5.3	19.5 +- 1.6
15	157	1.9	27.2 +- 0.8; 4.1	20.8 +- 1.0; 5.4	20.5 +- 1.5
16	150	4.9	26.8 +- 0.8; 4.0	20.3 +- 1.0; 5.3	19.9 +- 1.5
17	173	0.5	24.9 +- 0.7; 3.7	18.4 +- 0.9; 5.1	19.5 +- 1.9
18	173	5.3	27.8 +- 0.8; 4.2	21.4 +- 1.0; 5.5	20.6 +- 1.6
19	212	2.5	29.9 +- 0.9; 4.5	23.5 +- 1.0; 5.7	22.3 +- 1.8
20	204	5.3	27.4 +- 0.8; 4.1	21.0 +- 1.0; 5.4	21.0 +- 1.6
21	233	2.0	27.2 +- 0.8; 4.1	20.8 +- 1.0; 5.4	21.0 +- 1.8
22	224	4.6	28.1 +- 0.8; 4.2	21.7 +- 1.0; 5.5	21.3 +- 1.6
23	239	0.6	28.2 +- 0.8; 4.2	21.8 +- 1.0; 5.5	19.9 +- 1.7
24	243	6.9	24.2 +- 0.7; 3.6	17.6 +- 0.9; 5.0	18.1 +- 1.6
25	269	3.3	30.0 +- 0.9; 4.5	23.7 +- 1.0; 5.7	21.5 +- 1.8
26	262	5.9	28.8 +- 0.9; 4.3	22.4 +- 1.0; 5.6	21.9 +- 1.5
27	350	3.0	23.6 +- 0.7; 3.5	17.0 +- 0.9; 5.0	18.1 +- 1.9
28	292	5.0	26.3 +- 0.8; 4.0	19.9 +- 0.9; 5.3	20.0 +- 1.5
29	311	2.4	27.4 +- 0.8; 4.1	21.0 +- 1.0; 5.4	20.2 +- 1.6
30	310	5.5	28.8 +- 0.9; 4.3	22.5 +- 1.0; 5.6	20.7 +- 1.4
31	340	2.3	25.3 +- 0.8; 3.8	18.8 +- 0.9; 5.2	19.0 +- 1.4
32	338	5.3	27.8 +- 0.8; 4.2	21.4 +- 1.0; 5.5	19.9 +- 1.7
33	182	0.5	28.1 +- 0.8; 4.2	21.7 +- 1.0; 5.5	20.1 +- 2.0
35	127	2.2	25.7 +- 0.8; 3.9	19.2 +- 0.9; 5.2	18.5 +- 1.4
39	150	5.0	25.5 +- 0.8; 3.8	19.0 +- 0.9; 5.2	18.4 +- 1.7
40	73	9.5	27.3 +- 0.8; 4.1	20.8 +- 1.0; 5.4	20.0 +- 1.6
43	29	8.0	24.9 +- 0.7; 3.7	18.3 +- 0.9; 5.1	18.4 +- 1.4
44	65	3.5	25.2 +- 0.8; 3.8	18.6 +- 0.9; 5.1	17.6 +- 1.6
45	182	4.2	27.0 +- 0.8; 4.1	20.6 +- 1.0; 5.4	20.3 +- 1.5
47	298	4.5	26.0 +- 0.8; 3.9	19.5 +- 0.9; 5.2	19.3 +- 1.4
48	13	14.0	26.6 +- 0.8; 4.0	20.2 +- 1.0; 5.3	19.5 +- 1.3
49	207	18.0	26.5 +- 0.8; 4.0	20.1 +- 0.9; 5.3	20.5 +- 1.8

Transit Dose = 7.4 +- 0.4; 3.1

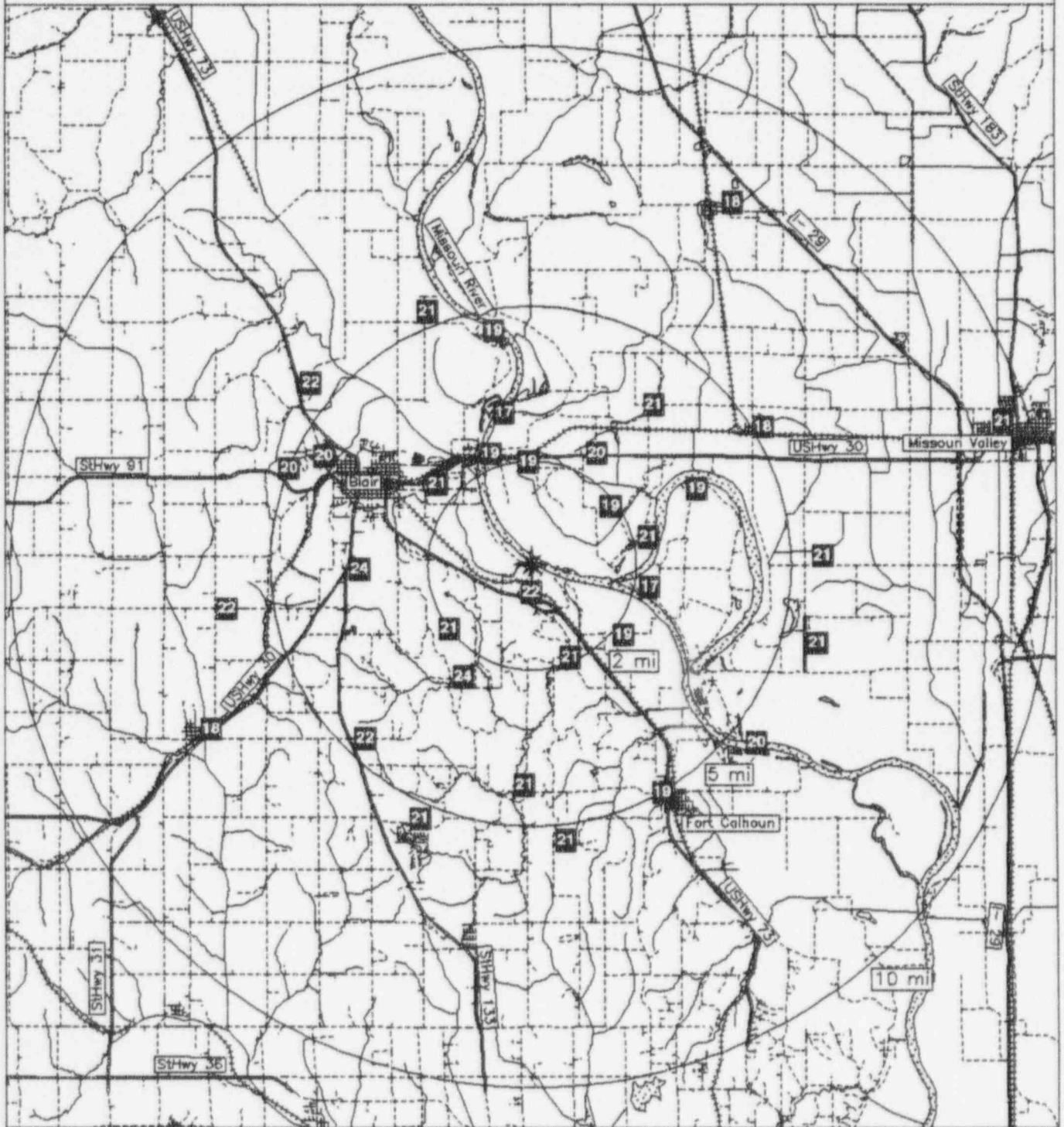
FORT CALHOUN  
For the period 950611-951026

TLD Direct Radiation Environmental Monitoring

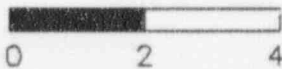
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	18.4 +- 1.3	3
11.26 - 33.75 NNE	19.1 +- 1.1	2
33.76 - 56.25 NE	20.0 +- 0.9	2
56.26 - 78.75 ENE	19.6 +- 1.3	4
78.76 - 101.25 E	19.1 +- 2.4	2
101.26 - 123.75 ESE	20.8 +- 0.3	2
123.76 - 146.25 SE	19.6 +- 0.5	3
146.26 - 168.75 SSE	20.0 +- 0.9	3
168.76 - 191.25 S	20.5 +- 1.5	4
191.26 - 213.75 SSW	22.3 +- 1.8	2
213.76 - 236.25 SW	21.3 +- 0.7	2
236.26 - 258.75 WSW	19.7 +- 3.0	2
258.76 - 281.25 W	23.1 +- 0.9	2
281.26 - 303.75 WNW	19.7 +- 0.2	2
303.76 - 326.25 NW	21.8 +- 1.0	2
326.26 - 348.75 NNW	20.1 +- 1.8	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	20.2 +- 1.3	8
2 - 5	20.1 +- 1.7	19
> 5	20.5 +- 1.6	12
Upwind Control	20.1 +- 0.1	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 950611-951101 144 Days  
 Field Time: 92 Days

NRC Sta	Location		Gross Exposure (mR)		Net Exposure Rate (mR/Std. Qtr.)		Hist. Range Net Exp Rate	
	Azimuth/ (Deg)	Dist (Mi)	+-Rdm; Tot.		+-Rdm; Tot.		+-1 Std Dev	
1	8	0.8	41.0	+ - 1.2; 6.1	29.2	+ - 1.3; 7.0	29.8	+ - 2.4
2	2	3.3	41.7	+ - 1.3; 6.3	29.9	+ - 1.3; 7.1	29.1	+ - 2.4
3	29	2.6	40.5	+ - 1.2; 6.1	28.7	+ - 1.3; 7.0	29.4	+ - 2.3
4	17	5.4	40.4	+ - 1.2; 6.1	28.7	+ - 1.3; 7.0	29.5	+ - 2.2
5	54	2.1	41.0	+ - 1.2; 6.1	29.2	+ - 1.3; 7.0	28.4	+ - 2.7
6	48	4.8	42.2	+ - 1.3; 6.3	30.4	+ - 1.4; 7.2	30.3	+ - 1.9
7	76	2.6	44.7	+ - 1.3; 6.7	32.8	+ - 1.4; 7.5	31.3	+ - 2.4
8	58	4.2	41.6	+ - 1.2; 6.2	29.8	+ - 1.3; 7.1	30.0	+ - 2.0
9	100	1.5	41.8	+ - 1.3; 6.3	30.0	+ - 1.3; 7.1	30.3	+ - 2.2
10	87	4.5	41.0	+ - 1.2; 6.1	29.2	+ - 1.3; 7.0	28.8	+ - 2.3
11	118	1.6	44.7	+ - 1.3; 6.7	32.9	+ - 1.4; 7.5	32.5	+ - 2.3
12	104	3.0	44.8	+ - 1.3; 6.7	32.9	+ - 1.4; 7.5	31.9	+ - 2.2
13	143	1.6	42.7	+ - 1.3; 6.4	30.9	+ - 1.4; 7.2	30.6	+ - 2.4
14	128	4.5	40.9	+ - 1.2; 6.1	29.1	+ - 1.3; 7.0	30.3	+ - 1.9
15	168	2.3	42.3	+ - 1.3; 6.3	30.5	+ - 1.4; 7.2	28.1	+ - 2.1
16	148	4.6	40.5	+ - 1.2; 6.1	28.7	+ - 1.3; 7.0	28.3	+ - 2.0
17	182	0.8	44.0	+ - 1.3; 6.6	32.1	+ - 1.4; 7.4	30.0	+ - 2.4
18	175	4.8	42.1	+ - 1.3; 6.3	30.3	+ - 1.4; 7.2	30.2	+ - 2.3
19	210	0.9	42.4	+ - 1.3; 6.4	30.6	+ - 1.4; 7.2	30.6	+ - 1.9
20	200	2.9	43.3	+ - 1.3; 6.5	31.5	+ - 1.4; 7.3	30.3	+ - 2.5
21	234	1.3	42.3	+ - 1.3; 6.3	30.5	+ - 1.4; 7.2	31.0	+ - 2.1
22	216	3.3	41.8	+ - 1.3; 6.3	30.0	+ - 1.3; 7.1	28.5	+ - 2.3
23	254	2.5	40.0	+ - 1.2; 6.0	28.3	+ - 1.3; 6.9	28.8	+ - 2.3
24	244	3.8	40.9	+ - 1.2; 6.1	29.1	+ - 1.3; 7.0	29.0	+ - 2.2
25	278	1.5	38.5	+ - 1.2; 5.8	26.8	+ - 1.3; 6.7	28.2	+ - 2.1
26	263	5.4	42.4	+ - 1.3; 6.4	30.6	+ - 1.4; 7.2	29.5	+ - 2.7
27	297	1.7	39.2	+ - 1.2; 5.9	27.5	+ - 1.3; 6.8	27.9	+ - 2.2
28	284	5.6	42.1	+ - 1.3; 6.3	30.3	+ - 1.4; 7.2	29.0	+ - 1.9
29	317	0.9	40.7	+ - 1.2; 6.1	28.9	+ - 1.3; 7.0	28.4	+ - 2.5
30	305	4.2	37.2	+ - 1.1; 5.6	25.5	+ - 1.2; 6.6	26.7	+ - 2.2
31	338	1.4	40.9	+ - 1.2; 6.1	29.2	+ - 1.3; 7.0	28.5	+ - 2.3
32	330	5.0	37.7	+ - 1.1; 5.6	26.0	+ - 1.2; 6.6	26.0	+ - 2.3
33	267	6.5	36.4	+ - 1.1; 5.5	24.8	+ - 1.2; 6.5	28.8	+ - 2.9
34	130	3.7	39.2	+ - 1.2; 5.9	27.5	+ - 1.3; 6.8	28.5	+ - 2.1
35	270	0.1	39.8	+ - 1.2; 6.0	28.0	+ - 1.3; 6.9	28.1	+ - 2.0
38	345	6.7	42.3	+ - 1.3; 6.3	30.5	+ - 1.4; 7.2	30.1	+ - 2.2
39	10	6.0	39.2	+ - 1.2; 5.9	27.4	+ - 1.3; 6.8	28.3	+ - 2.3
40	63	6.0	38.3	+ - 1.2; 5.8	27.1	+ - 1.3; 6.8	28.1	+ - 2.2
41	165	12.0	43.8	+ - 1.3; 6.6	32.0	+ - 1.4; 7.4	31.5	+ - 2.0
42	248	13.0	45.5	+ - 1.4; 6.8	33.6	+ - 1.4; 7.6	33.0	+ - 2.8
45	198	11.0	42.4	+ - 1.3; 6.4	30.5	+ - 1.4; 7.2	29.8	+ - 2.2
46	39	16.0	38.5	+ - 1.2; 5.8	26.8	+ - 1.3; 6.7	27.4	+ - 2.2
47	357	17.0	38.1	+ - 1.1; 5.7	26.4	+ - 1.2; 6.7	26.4	+ - 2.1
48	171	18.0	42.7	+ - 1.3; 6.4	30.9	+ - 1.4; 7.2	30.2	+ - 2.5
49	360	0.5	44.0	+ - 1.3; 6.6	32.2	+ - 1.4; 7.4	31.7	+ - 2.2

Transit Dose = 11.1 +- 0.6; 3.7

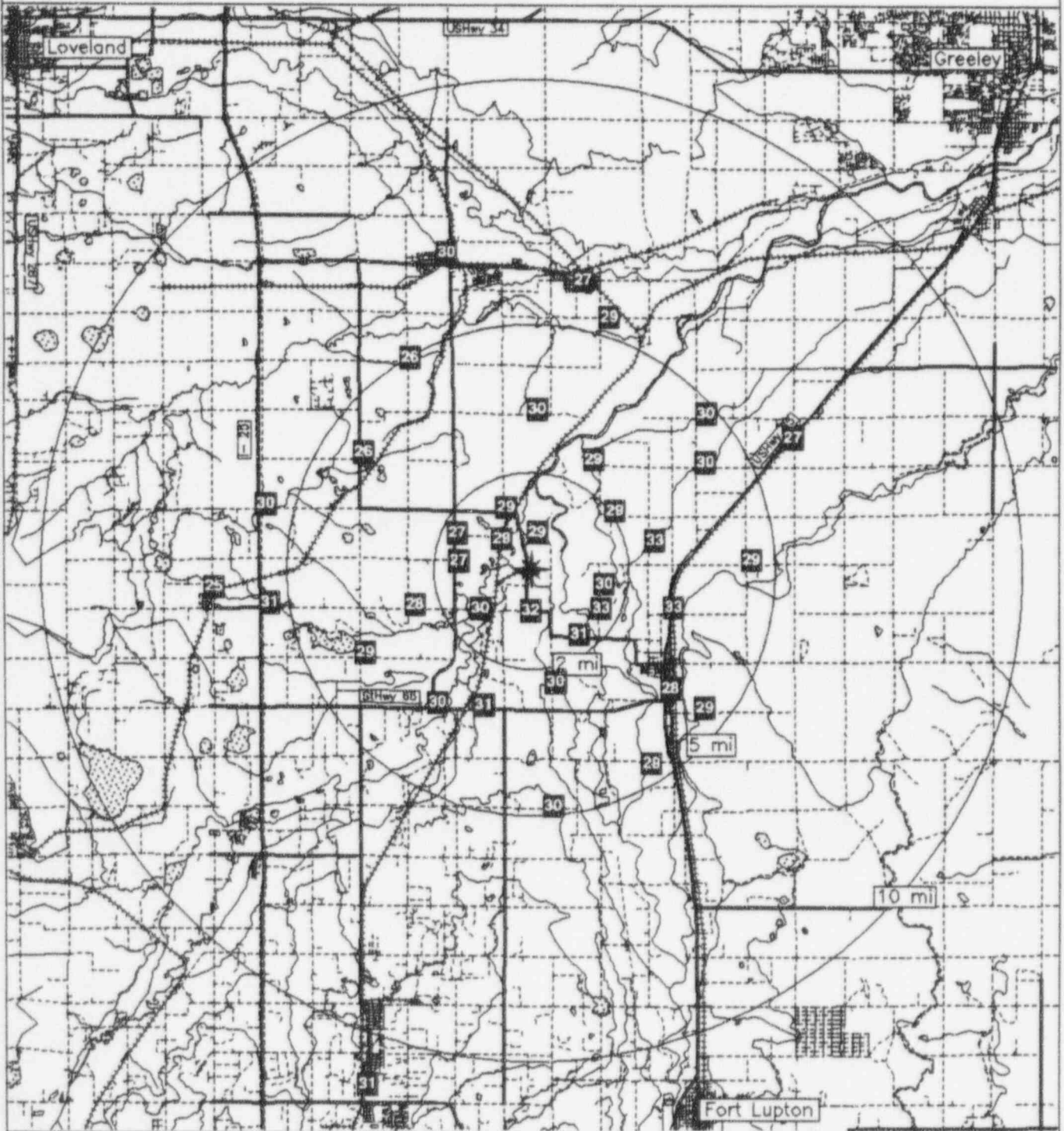
FORT ST. VRAIN  
For the period 950611-951101

TLD Direct Radiation Environmental Monitoring

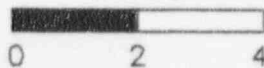
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	28.9 +- 1.3	3
11.26 - 33.75 NNE	28.7 +- 0.0	2
33.76 - 56.25 NE	28.8 +- 1.8	3
56.26 - 78.75 ENE	29.9 +- 2.9	3
78.76 - 101.25 E	29.6 +- 0.6	2
101.26 - 123.75 ESE	32.9 +- 0.0	2
123.76 - 146.25 SE	29.2 +- 1.7	3
146.26 - 168.75 SSE	30.4 +- 1.6	3
168.76 - 191.25 S	31.2 +- 1.3	2
191.26 - 213.75 SSW	30.9 +- 0.5	3
213.76 - 236.25 SW	30.2 +- 0.3	2
236.26 - 258.75 WSW	30.3 +- 2.9	3
258.76 - 281.25 W	27.5 +- 2.4	4
281.26 - 303.75 WNW	28.9 +- 2.0	2
303.76 - 326.25 NW	27.2 +- 2.4	2
326.26 - 348.75 NNW	28.5 +- 2.3	3

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	29.7 +- 1.8	12
2 - 5	29.4 +- 1.9	19
> 5	29.3 +- 2.6	11
Upwind Control	29.8 +- 3.0	3

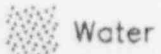
# NRC TLD DOSES FOR FORT ST. VRAIN AREA



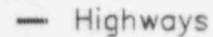
Miles



## Legend



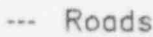
Water



Highways



Railroads



Roads



Plant..site

TLD..data

## GINNA

TLD Direct Radiation Environmental Monitoring

For the period 950615-951017 125 Days

Field Time: 93 Days

NRC Sta	Location		Gross Exposure (mR)		Net Exposure Rate (mR/Std. Qtr.)			Hist. Range Net Exp Rate	
	Azimuth/Dist (Deg)/(Mi)		+-Rdm; Tot.		+-Rdm; Tot.			+1	Std Dev
1	95	1.7	17.8	+- 0.5; 2.7	14.7	+- 0.6; 3.8	14.7	+- 1.0	
2	108	1.1	16.7	+- 0.5; 2.5	13.6	+- 0.6; 3.7	14.4	+- 1.1	
3	142	1.7	17.5	+- 0.5; 2.6	14.4	+- 0.6; 3.8	14.4	+- 1.4	
4	154	1.5	18.5	+- 0.6; 2.8	15.4	+- 0.6; 3.9	15.0	+- 1.6	
5	174	1.4	18.4	+- 0.6; 2.3	15.3	+- 0.6; 3.9	15.3	+- 1.6	
6	212	1.6	16.8	+- 0.5; 2.5	13.8	+- 0.6; 3.7	14.1	+- 1.3	
7	244	0.9	17.4	+- 0.5; 2.6	14.3	+- 0.6; 3.8	14.0	+- 1.3	
8	230	0.6	17.7	+- 0.5; 2.7	14.6	+- 0.6; 3.8	14.9	+- 1.6	
10	266	1.5	19.8	+- 0.6; 3.0	16.6	+- 0.6; 4.0	14.4	+- 1.1	
11	264	4.6	19.0	+- 0.6; 2.8	15.8	+- 0.6; 3.9	15.9	+- 1.0	
12	245	3.8	18.4	+- 0.6; 2.8	15.3	+- 0.6; 3.9	14.5	+- 1.6	
13	235	4.2	17.4	+- 0.5; 2.6	14.3	+- 0.6; 3.8	13.7	+- 1.3	
14	200	3.8	17.2	+- 0.5; 2.6	14.1	+- 0.6; 3.8	13.5	+- 1.6	
15	178	3.4	19.4	+- 0.6; 2.9	16.3	+- 0.6; 4.0	14.9	+- 1.2	
16	160	3.7	16.2	+- 0.5; 2.4	13.2	+- 0.6; 3.7	13.6	+- 1.6	
17	134	3.8	16.1	+- 0.5; 2.4	13.0	+- 0.6; 3.7	13.5	+- 1.3	
18	115	4.3	17.5	+- 0.5; 2.6	14.4	+- 0.6; 3.8	14.5	+- 1.5	
19	88	4.0	15.9	+- 0.5; 2.4	12.9	+- 0.6; 3.6	13.6	+- 1.6	
20	90	6.2	16.2	+- 0.5; 2.4	13.1	+- 0.6; 3.7	13.3	+- 1.3	
21	123	7.6	16.9	+- 0.5; 2.5	13.8	+- 0.6; 3.7	13.1	+- 1.3	
22	151	11.0	16.8	+- 0.5; 2.5	13.7	+- 0.6; 3.7	13.6	+- 1.1	
23	105	12.0	17.2	+- 0.5; 2.6	14.1	+- 0.6; 3.8	14.1	+- 1.4	
24	212	14.0	20.6	+- 0.6; 3.1	17.4	+- 0.7; 4.1	18.2	+- 1.3	
25	223	13.0	16.6	+- 0.5; 2.5	13.5	+- 0.6; 3.7	13.8	+- 1.4	
26	242	16.0	20.2	+- 0.6; 3.0	17.0	+- 0.7; 4.1	15.8	+- 1.4	
27	254	14.0	18.5	+- 0.6; 2.8	15.3	+- 0.6; 3.9	15.6	+- 1.6	
28	234	6.9	18.1	+- 0.5; 2.7	14.9	+- 0.6; 3.8	14.1	+- 0.9	
29	185	0.3	18.8	+- 0.6; 2.8	15.7	+- 0.6; 3.9	15.6	+- 1.0	
30	264	15.0	17.0	+- 0.5; 2.5	13.9	+- 0.6; 3.7	13.8	+- 1.7	

Transit Dose = 2.6 +- 0.3; 2.9

GINNA  
For the period 950615-951017

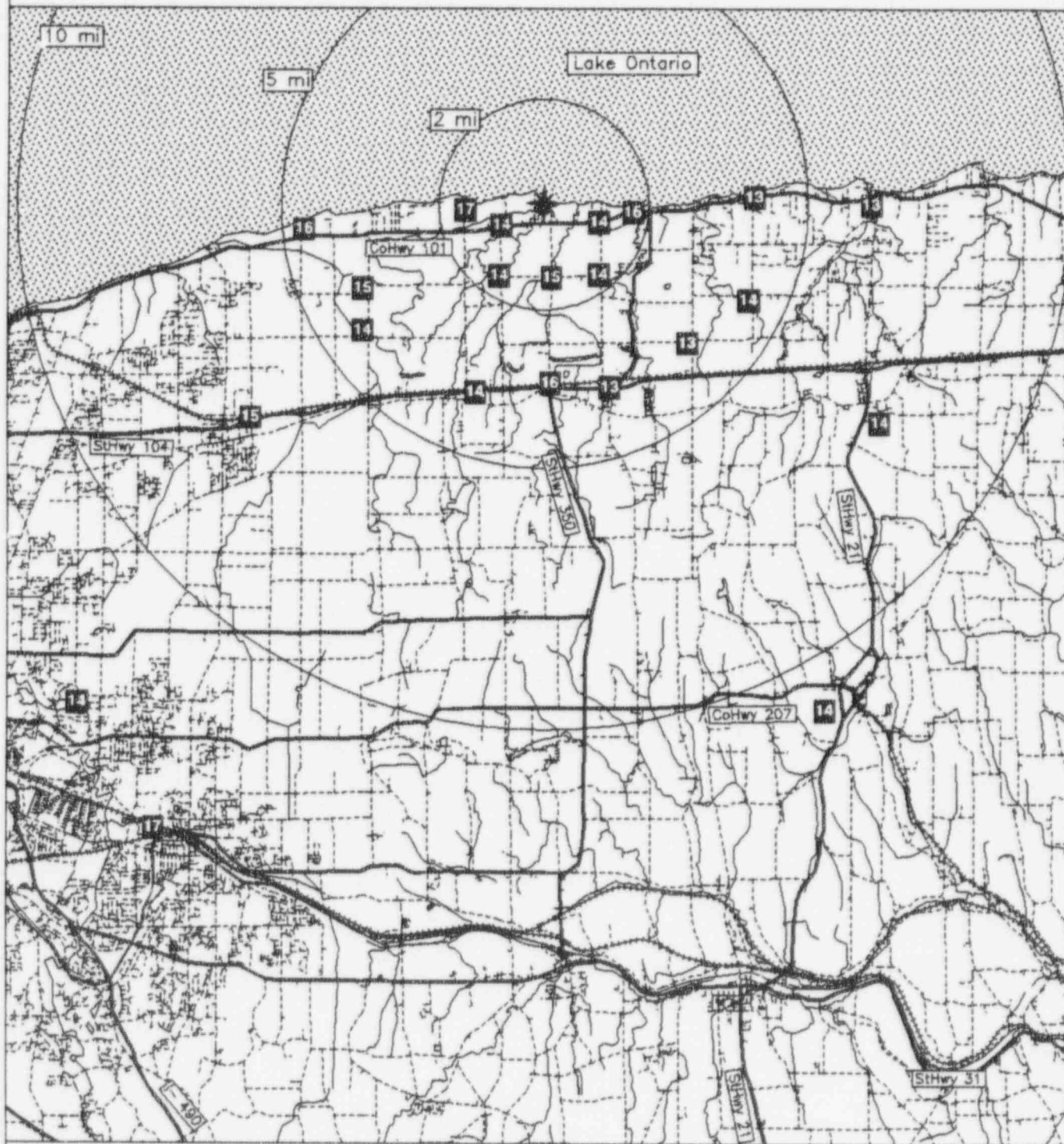
TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	No Data +- No Data	0
11.26 - 33.75 NNE	No Data +- No Data	0
33.76 - 56.25 NE	No Data +- No Data	0
56.26 - 78.75 ENE	No Data +- No Data	0
78.76 - 101.25 E	13.5 +- 1.0	3
101.26 - 123.75 ESE	14.0 +- 0.4	4
123.76 - 146.25 SE	13.7 +- 1.0	2
146.26 - 168.75 SSE	14.1 +- 1.1	3
168.76 - 191.25 S	15.7 +- 0.5	3
191.26 - 213.75 SSW	15.1 +- 2.0	3
213.76 - 236.25 SW	14.3 +- 0.6	4
236.26 - 258.75 WSW	14.8 +- 0.7	2
258.76 - 281.25 W	16.2 +- 0.5	2
281.26 - 303.75 WNW	No Data +- No Data	0
303.76 - 326.25 NW	No Data +- No Data	0
326.26 - 348.75 NNW	No Data +- No Data	0

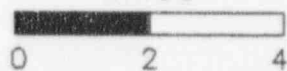
Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	14.8 +- 0.9	10
2 - 5	14.4 +- 1.2	9
> 5	14.4 +- 1.5	7
Upwind Control	15.4 +- 1.5	3



## NRC TLD DOSES FOR GINNA AREA



Miles



## Legend

Water

Railroads

Plant..site

Highways

Roads

GRAND GULF  
 TLD Direct Radiation Environmental Monitoring  
 For the period 950614-951018 127 Days  
 Field Time: 98 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	337	2.0	18.2 +- 0.5; 2.7	14.9 +- 0.6; 3.7	16.3 +- 2.1
2	351	1.6	18.6 +- 0.6; 2.8	15.2 +- 0.6; 3.8	15.1 +- 1.1
3	20	1.5	22.1 +- 0.7; 3.3	18.4 +- 0.7; 4.1	17.5 +- 1.4
4	51	2.3	23.5 +- 0.7; 3.5	19.7 +- 0.7; 4.3	16.7 +- 1.3
5	68	2.7	22.5 +- 0.7; 3.4	18.8 +- 0.7; 4.2	17.8 +- 1.7
6	47	4.1	19.4 +- 0.6; 2.9	15.9 +- 0.6; 3.8	15.9 +- 1.4
7	68	4.9	22.4 +- 0.7; 3.4	18.8 +- 0.7; 4.1	19.0 +- 1.3
8	91	3.2	24.2 +- 0.7; 3.6	20.4 +- 0.7; 4.3	18.9 +- 1.3
9	81	1.0	22.8 +- 0.7; 3.4	19.1 +- 0.7; 4.2	17.4 +- 1.3
10	109	0.6	24.3 +- 0.7; 3.6	20.5 +- 0.7; 4.3	19.0 +- 1.1
11	139	0.8	23.7 +- 0.7; 3.6	20.0 +- 0.7; 4.3	19.0 +- 1.2
12	185	1.6	23.3 +- 0.7; 3.5	19.5 +- 0.7; 4.2	17.9 +- 1.1
13	207	1.9	23.3 +- 0.7; 3.5	19.6 +- 0.7; 4.2	19.0 +- 1.2
14	247	1.5	19.3 +- 0.6; 2.9	15.9 +- 0.6; 3.8	17.5 +- 2.3
15	130	4.2	21.9 +- 0.7; 3.3	18.3 +- 0.7; 4.1	18.4 +- 1.2
16	122	4.8	22.4 +- 0.7; 3.4	18.7 +- 0.7; 4.1	18.1 +- 1.4
17	135	5.3	21.3 +- 0.6; 3.2	17.7 +- 0.6; 4.0	17.1 +- 1.1
18	147	4.3	18.7 +- 0.6; 2.8	15.3 +- 0.6; 3.8	15.3 +- 1.0
19	224	6.8	22.5 +- 0.7; 3.4	18.8 +- 0.7; 4.1	18.5 +- 1.3
20	172	3.6	19.8 +- 0.6; 3.0	16.3 +- 0.6; 3.9	16.5 +- 1.1
21	291	12.0	21.3 +- 0.6; 3.2	17.7 +- 0.6; 4.0	16.8 +- 1.1
22	332	8.0	24.1 +- 0.7; 3.6	20.3 +- 0.7; 4.3	19.2 +- 1.5
23	310	7.9	Missing Dosimeter	No Net Data	15.6 +- 2.6
24	281	7.0	20.8 +- 0.6; 3.1	17.3 +- 0.6; 4.0	16.4 +- 1.2
25	291	4.8	22.1 +- 0.7; 3.3	18.5 +- 0.7; 4.1	18.0 +- 1.3
26	248	9.5	20.2 +- 0.6; 3.0	16.7 +- 0.6; 3.9	16.7 +- 1.2
27	239	13.0	20.8 +- 0.6; 3.1	17.3 +- 0.6; 4.0	16.1 +- 1.3
29	90	0.9	22.7 +- 0.7; 3.4	19.0 +- 0.7; 4.2	17.6 +- 1.2
30	67	51.0	16.6 +- 0.5; 2.5	13.4 +- 0.5; 3.6	13.9 +- 1.5
31	67	51.0	17.9 +- 0.5; 2.7	14.6 +- 0.6; 3.7	14.4 +- 1.6
32	67	51.0	16.4 +- 0.5; 2.5	13.2 +- 0.5; 3.6	13.8 +- 1.5
33	206	4.8	22.6 +- 0.7; 3.4	18.9 +- 0.7; 4.2	18.3 +- 1.4

Transit Dose = 2.0 +- 0.3; 3.0

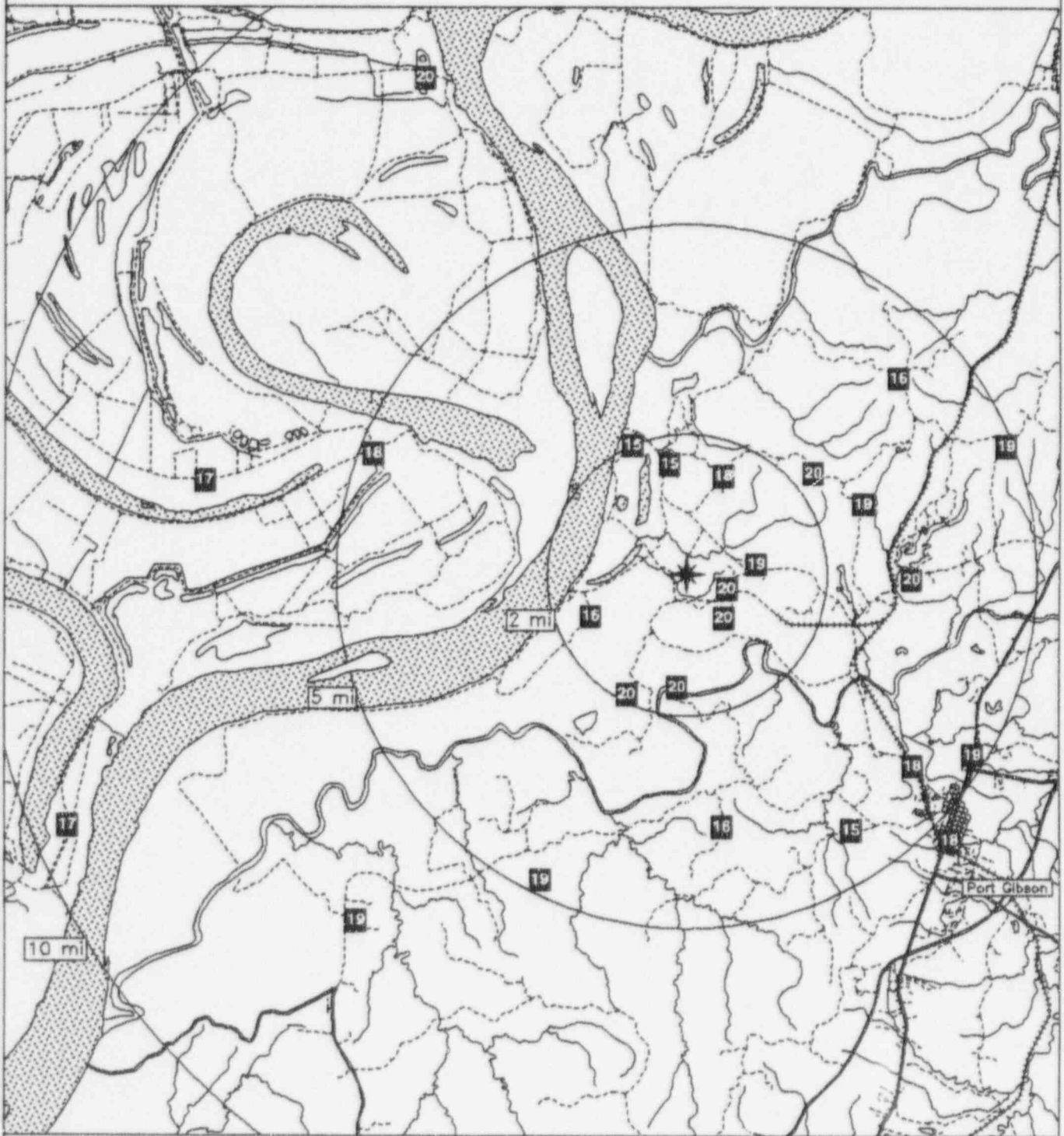
GRAND GULF  
For the period 950614-951018

TLD Direct Radiation Environmental Monitoring

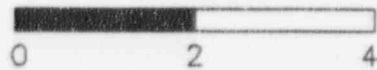
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	15.2 +- 0.0	1
11.26 - 33.75 NNE	18.4 +- 0.0	1
33.76 - 56.25 NE	17.8 +- 2.7	2
56.26 - 78.75 ENE	18.8 +- 0.1	2
78.76 - 101.25 E	19.5 +- 0.8	3
101.26 - 123.75 ESE	19.6 +- 1.2	2
123.76 - 146.25 SE	18.7 +- 1.2	3
146.26 - 168.75 SSE	15.3 +- 0.0	1
168.76 - 191.25 S	17.9 +- 2.3	2
191.26 - 213.75 SSW	19.2 +- 0.4	2
213.76 - 236.25 SW	18.8 +- 0.0	1
236.26 - 258.75 WSW	16.6 +- 0.7	3
258.76 - 281.25 W	17.3 +- 0.0	1
281.26 - 303.75 WNW	18.1 +- 0.6	2
303.76 - 326.25 NW	No Data +- No Data	0
326.26 - 348.75 NNW	17.6 +- 3.8	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	18.2 +- 2.1	10
2 - 5	18.2 +- 1.6	11
> 5	18.0 +- 1.2	7
Upwind Control	13.7 +- 0.7	3

# NRC TLD DOSES FOR GRAND GULF AREA



Miles



### Legend

Water

Highways

Railroads

Roads

Plant..site

## HADDAM NECK

TLD Direct Radiation Environmental Monitoring

For the period 950015-951031 139 Days

Field Time: 92 Days

NRC Sta	Location		Gross Exposure (mR)		Net Exposure Rate (mR/Std. Qtr.)		Hist. Range Net Exp Rate	
	Azimuth/Dist (Deg)/(Mi)		+Rdm; Tot.	+Rdm; Tot.	+Rdm; Tot.	+Rdm; Tot.	+1 Std Dev	-1 Std Dev
2	17	2.6	24.8	+ 0.7; 3.7	20.8	+ 0.8; 4.6	18.8	+ 1.7
3	45	1.9	23.4	+ 0.7; 3.5	19.5	+ 0.8; 4.5	18.6	+ 2.5
4	67	2.3	23.3	+ 0.7; 3.5	19.4	+ 0.8; 4.5	17.7	+ 1.7
5	93	1.6	20.5	+ 0.6; 3.1	16.6	+ 0.7; 4.2	16.0	+ 1.5
6	115	2.3	20.7	+ 0.6; 3.1	16.8	+ 0.7; 4.2	15.6	+ 1.7
7	143	1.9	22.0	+ 0.7; 3.3	18.0	+ 0.7; 4.3	17.7	+ 1.7
8	165	0.9	20.8	+ 0.6; 3.1	16.8	+ 0.7; 4.2	16.6	+ 1.1
9	174	1.3	23.9	+ 0.7; 3.6	19.9	+ 0.8; 4.5	18.2	+ 1.8
10	195	0.7	21.0	+ 0.6; 3.2	17.1	+ 0.7; 4.2	16.1	+ 1.6
12	241	0.8	21.5	+ 0.6; 3.2	17.5	+ 0.7; 4.3	17.1	+ 1.4
13	263	0.8	21.1	+ 0.6; 3.2	17.2	+ 0.7; 4.2	15.9	+ 1.6
14	290	1.9	23.6	+ 0.7; 3.5	19.6	+ 0.8; 4.5	17.7	+ 1.6
15	311	1.5	20.2	+ 0.6; 3.0	16.3	+ 0.7; 4.1	15.4	+ 1.5
16	341	1.3	20.9	+ 0.6; 3.1	17.0	+ 0.7; 4.2	16.5	+ 1.5
17	360	2.3	24.9	+ 0.7; 3.7	20.8	+ 0.8; 4.7	19.3	+ 1.7
18	222	2.5	21.7	+ 0.7; 3.3	17.8	+ 0.7; 4.3	16.0	+ 1.5
19	269	3.0	20.2	+ 0.6; 3.0	16.3	+ 0.7; 4.1	15.8	+ 1.7
20	66	3.2	21.4	+ 0.6; 3.2	17.4	+ 0.7; 4.3	16.4	+ 1.5
21	91	2.8	22.6	+ 0.7; 3.4	18.6	+ 0.7; 4.4	18.0	+ 1.7
22	112	3.2	22.9	+ 0.7; 3.4	18.9	+ 0.7; 4.4	16.9	+ 1.8
23	137	2.9	21.4	+ 0.6; 3.2	17.5	+ 0.7; 4.3	16.6	+ 2.0
24	155	7.1	19.3	+ 0.6; 2.9	15.4	+ 0.7; 4.0	15.7	+ 1.3
25	175	5.7	21.8	+ 0.7; 3.3	17.9	+ 0.7; 4.3	16.1	+ 1.5
26	196	2.5	19.8	+ 0.6; 3.0	15.9	+ 0.7; 4.1	15.3	+ 1.5
27	225	1.1	22.2	+ 0.7; 3.3	18.2	+ 0.7; 4.4	17.3	+ 1.8
28	250	3.5	23.0	+ 0.7; 3.4	19.0	+ 0.7; 4.4	17.1	+ 2.5
29	340	20.0	23.9	+ 0.7; 3.6	19.9	+ 0.8; 4.5	19.8	+ 3.2
30	286	3.2	20.7	+ 0.6; 3.1	16.8	+ 0.7; 4.2	16.0	+ 1.5
31	322	2.7	22.8	+ 0.7; 3.4	18.8	+ 0.7; 4.4	17.1	+ 1.5
32	327	2.9	24.4	+ 0.7; 3.7	20.4	+ 0.8; 4.6	19.0	+ 1.5
33	359	6.4	21.6	+ 0.6; 3.2	17.7	+ 0.7; 4.3	15.9	+ 1.4
35	54	10.0	22.8	+ 0.7; 3.4	18.8	+ 0.7; 4.4	16.7	+ 1.7
36	72	8.8	24.4	+ 0.7; 3.7	20.4	+ 0.8; 4.6	18.9	+ 1.6
37	149	6.8	20.2	+ 0.6; 3.0	16.3	+ 0.7; 4.1	15.3	+ 1.5
38	158	5.9	20.1	+ 0.6; 3.0	16.2	+ 0.7; 4.1	15.0	+ 1.4
39	267	8.8	20.8	+ 0.6; 3.1	16.9	+ 0.7; 4.2	16.4	+ 1.6
40	303	9.1	22.1	+ 0.7; 3.3	18.1	+ 0.7; 4.3	17.9	+ 1.3
41	313	9.6	21.3	+ 0.6; 3.2	17.4	+ 0.7; 4.3	16.3	+ 1.5
42	320	13.0	23.3	+ 0.7; 3.5	19.3	+ 0.8; 4.5	18.2	+ 1.6
43	324	18.0	20.7	+ 0.6; 3.1	16.8	+ 0.7; 4.2	15.9	+ 1.3
44	328	15.0	23.2	+ 0.7; 3.5	19.2	+ 0.8; 4.5	17.5	+ 1.9
45	343	18.0	24.8	+ 0.7; 3.7	20.8	+ 0.8; 4.6	18.3	+ 1.8
46	144	5.0	21.9	+ 0.7; 3.3	17.9	+ 0.7; 4.3	17.5	+ 2.0
49	340	20.0	23.5	+ 0.7; 3.5	19.5	+ 0.8; 4.5	17.9	+ 1.8

Transit Dose = 3.6 +- 0.3; 3.0

## HADDAM NECK

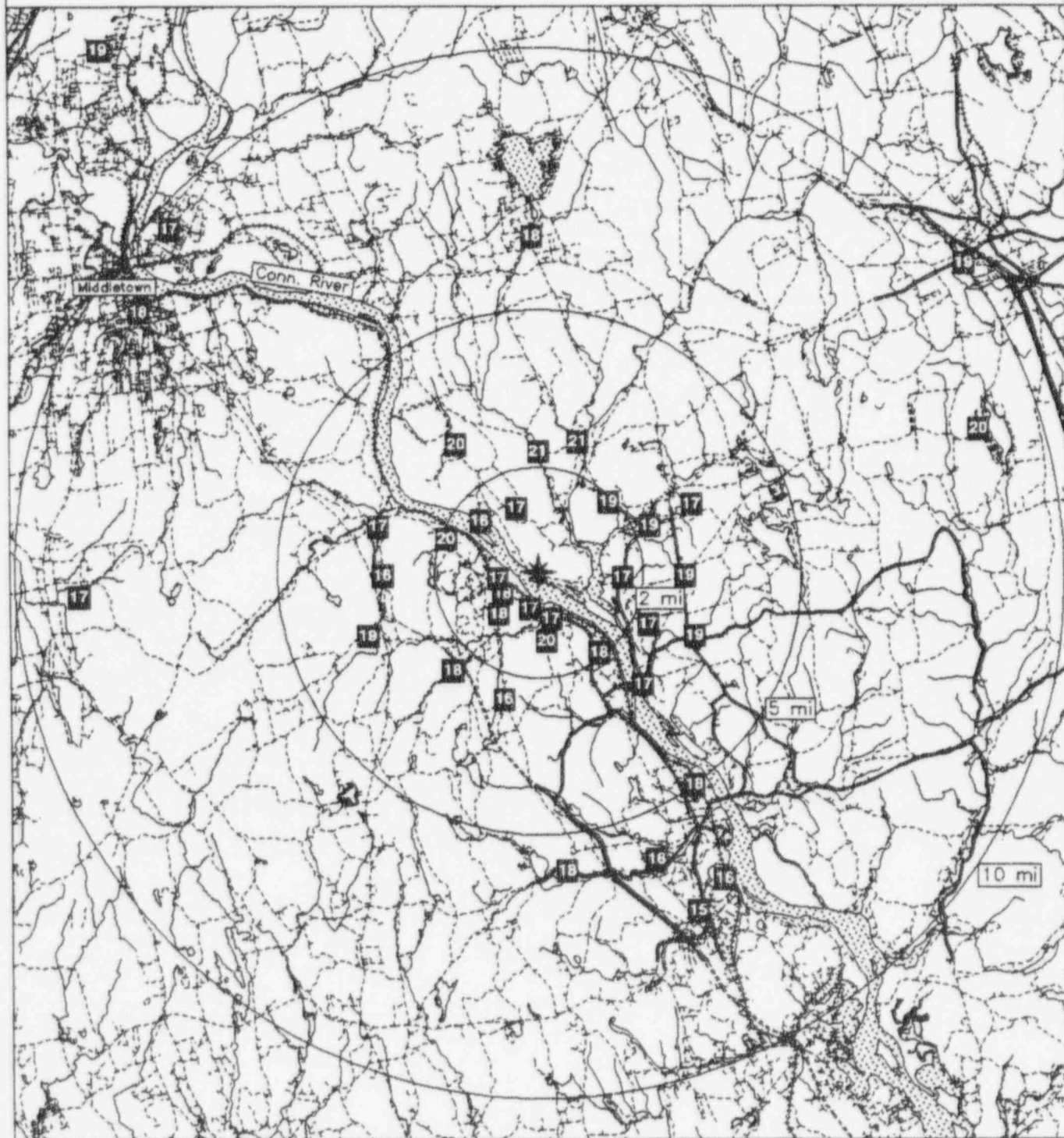
For the period 950615-951031

## TLD Direct Radiation Environmental Monitoring

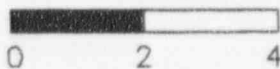
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	19.2 +- 2.3	2
11.26 - 33.75 NNE	20.8 +- 0.0	1
33.76 - 56.25 NE	19.1 +- 0.5	2
56.26 - 78.75 ENE	19.0 +- 1.5	3
78.76 - 101.25 E	17.6 +- 1.4	2
101.26 - 123.75 ESE	17.8 +- 1.5	2
123.76 - 146.25 SE	17.8 +- 0.3	3
146.26 - 168.75 SSE	16.2 +- 0.6	4
168.76 - 191.25 S	18.9 +- 1.4	2
191.26 - 213.75 SSW	16.5 +- 0.9	2
213.76 - 236.25 SW	18.0 +- 0.3	2
236.26 - 258.75 WSW	18.3 +- 1.1	2
258.76 - 281.25 W	16.8 +- 0.5	3
281.26 - 303.75 WNW	18.2 +- 1.4	3
303.76 - 326.25 NW	17.7 +- 1.3	5
326.26 - 348.75 NNW	19.4 +- 1.5	5

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	17.8 +- 1.2	12
2 - 5	18.3 +- 1.5	16
> 5	18.1 +- 1.6	15
Upwind Control	19.5 +- 0.0	1

# NRC TLD DOSES FOR HADDAM NECK AREA



Miles



## Legend



Water



Highways

--- Railroads

--- Roads



Plant..site

## HARRIS

TLD Direct Radiation Environmental Monitoring  
 For the period 950615-951018 126 Days  
 Field Time: 89 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	36	2.6	18.1 +- 0.5; 2.7	14.6 +- 0.6; 4.0	16.6 +- 2.0
2	25	3.2	17.9 +- 0.5; 2.7	14.4 +- 0.6; 4.0	14.7 +- 1.8
3	5	2.5	18.3 +- 0.6; 2.8	14.8 +- 0.6; 4.0	16.6 +- 1.7
4	27	1.5	19.7 +- 0.6; 2.9	15.8 +- 0.7; 4.1	17.2 +- 2.4
5	36	0.9	17.0 +- 0.5; 2.5	13.4 +- 0.6; 3.9	14.1 +- 1.5
6	68	0.8	15.2 +- 0.5; 2.3	11.7 +- 0.6; 3.7	12.8 +- 1.6
7	98	0.7	17.3 +- 0.5; 2.6	13.7 +- 0.6; 3.9	15.3 +- 1.5
8	232	0.7	17.3 +- 0.5; 2.6	13.7 +- 0.6; 3.9	13.9 +- 1.5
9	190	0.8	15.5 +- 0.5; 2.3	11.9 +- 0.6; 3.7	12.5 +- 1.5
10	158	0.7	16.6 +- 0.5; 2.5	13.0 +- 0.6; 3.8	13.7 +- 1.9
11	42	4.7	19.9 +- 0.6; 3.0	16.4 +- 0.7; 4.2	19.1 +- 2.2
12	40	8.6	19.5 +- 0.6; 2.9	16.0 +- 0.7; 4.2	16.4 +- 1.7
13	298	13.0	21.0 +- 0.6; 3.2	17.5 +- 0.7; 4.3	13.8 +- 2.0
14	298	12.0	17.0 +- 0.5; 2.5	13.4 +- 0.6; 3.9	14.1 +- 1.8
15	298	11.0	15.6 +- 0.5; 2.3	12.0 +- 0.6; 3.8	12.9 +- 1.7
16	332	4.8	16.9 +- 0.5; 2.5	13.3 +- 0.6; 3.9	14.4 +- 2.1
17	291	4.5	13.4 +- 0.4; 2.0	9.8 +- 0.5; 3.5	12.0 +- 2.3
18	270	5.1	15.5 +- 0.5; 2.3	12.0 +- 0.6; 3.7	14.0 +- 2.1
19	240	5.1	18.7 +- 0.6; 2.8	15.1 +- 0.7; 4.1	16.7 +- 2.1
20	227	4.8	16.0 +- 0.5; 2.4	12.4 +- 0.6; 3.8	12.6 +- 1.6
21	208	4.8	15.0 +- 0.4; 2.2	11.4 +- 0.6; 3.7	12.3 +- 1.7
22	190	4.6	17.1 +- 0.5; 2.6	13.5 +- 0.6; 3.9	14.1 +- 1.7
23	151	4.8	15.4 +- 0.5; 2.3	11.9 +- 0.6; 3.7	13.8 +- 2.1
24	132	4.7	15.9 +- 0.5; 2.4	12.3 +- 0.6; 3.8	13.6 +- 2.0
25	112	5.0	17.0 +- 0.5; 2.6	13.5 +- 0.6; 3.9	15.7 +- 2.1
26	92	4.6	15.6 +- 0.5; 2.3	12.0 +- 0.6; 3.8	12.6 +- 1.8
27	115	2.8	Damaged Dosimeter	No Net Data	13.8 +- 1.7
28	135	2.3	14.1 +- 0.4; 2.1	10.5 +- 0.5; 3.6	11.4 +- 1.8
29	164	2.2	17.1 +- 0.5; 2.6	13.6 +- 0.6; 3.9	14.7 +- 2.1
30	49	2.2	16.7 +- 0.5; 2.5	13.2 +- 0.6; 3.9	13.9 +- 1.8
31	276	1.8	16.3 +- 0.5; 2.4	12.8 +- 0.6; 3.8	13.8 +- 1.8
32	292	1.7	19.6 +- 0.6; 2.9	16.0 +- 0.7; 4.2	17.2 +- 1.7
33	314	1.4	18.2 +- 0.5; 2.7	14.7 +- 0.6; 4.0	16.1 +- 1.7
34	329	1.3	17.1 +- 0.5; 2.6	13.5 +- 0.6; 3.9	16.4 +- 2.0
35	350	4.5	18.1 +- 0.5; 2.7	14.6 +- 0.6; 4.0	15.9 +- 1.6
36	338	4.4	16.9 +- 0.5; 2.5	13.3 +- 0.6; 3.9	16.4 +- 3.2
37	16	4.9	15.3 +- 0.5; 2.3	11.7 +- 0.6; 3.7	15.2 +- 2.9
38	68	4.8	14.5 +- 0.4; 2.2	10.9 +- 0.6; 3.7	12.3 +- 1.6
39	80	6.9	17.8 +- 0.5; 2.7	14.2 +- 0.6; 4.0	14.6 +- 1.3
40	80	6.9	14.7 +- 0.4; 2.2	11.2 +- 0.6; 3.7	13.7 +- 1.9
41	118	9.7	21.3 +- 0.6; 3.2	17.8 +- 0.7; 4.4	18.9 +- 1.8
42	260	1.1	16.8 +- 0.5; 2.5	13.2 +- 0.6; 3.9	13.9 +- 1.8
43	333	1.7	17.4 +- 0.5; 2.6	13.9 +- 0.6; 3.9	15.7 +- 2.4
44	50	24.0	22.0 +- 0.7; 3.3	18.5 +- 0.7; 4.4	20.2 +- 2.2

Transit Dose = 3.7 +- 0.3; 2.9



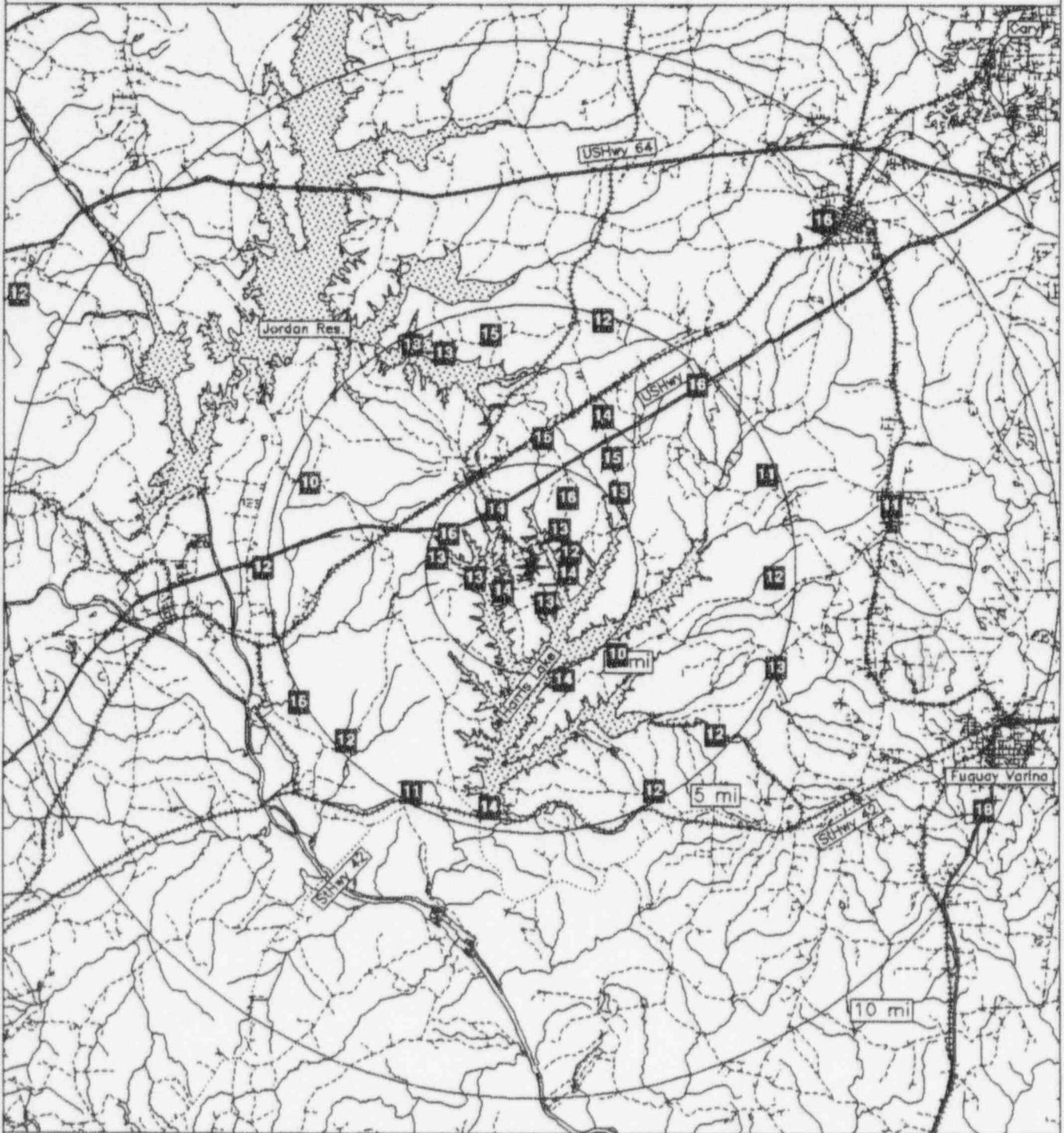
HARRIS  
For the period 950615-951018

TLD Direct Radiation Environmental Monitoring

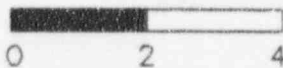
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	14.7 +- 0.2	2
11.26 - 33.75 NNE	14.0 +- 2.1	3
33.76 - 56.25 NE	15.3 +- 2.0	6
56.26 - 78.75 ENE	11.3 +- 0.5	2
78.76 - 101.25 E	12.8 +- 1.4	4
101.26 - 123.75 ESE	15.6 +- 3.1	2
123.76 - 146.25 SE	11.4 +- 1.3	2
146.26 - 168.75 SSE	12.8 +- 0.9	3
168.76 - 191.25 S	12.7 +- 1.2	2
191.26 - 213.75 SSW	11.4 +- 0.0	1
213.76 - 236.25 SW	13.1 +- 0.9	2
236.26 - 258.75 WSW	15.1 +- 0.0	1
258.76 - 281.25 W	12.7 +- 0.6	3
281.26 - 303.75 WNW	12.9 +- 4.4	2
303.76 - 326.25 NW	14.7 +- 0.0	1
326.26 - 348.75 NNW	13.5 +- 0.3	4

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	13.6 +- 1.3	13
2 - 5	12.9 +- 1.6	20
> 5	15.0 +- 2.7	7
Upwind Control	14.3 +- 2.8	3

# NRC TLD DOSES FOR HARRIS AREA



Miles



### Legend

Water

Highways

Railroads

Roads

Plant..site

## HATCH

TLD Direct Radiation Environmental Monitoring

For the period 950614-951031 140 Days

Field Time: 89 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	342	23.0	20.9 +- 0.6; 3.1	19.3 +- 0.7; 4.2	16.1 +- 1.8
2	359	7.7	18.4 +- 0.6; 2.8	16.8 +- 0.6; 3.9	14.2 +- 1.9
3	354	4.5	18.3 +- 0.5; 2.7	16.8 +- 0.6; 3.9	14.1 +- 2.0
4	336	2.9	16.7 +- 0.5; 2.5	15.2 +- 0.6; 3.7	13.1 +- 1.8
5	309	4.6	17.4 +- 0.5; 2.6	15.8 +- 0.6; 3.8	13.5 +- 2.0
6	297	5.6	19.7 +- 0.6; 3.0	18.1 +- 0.7; 4.1	15.5 +- 2.1
7	24	2.8	17.8 +- 0.5; 2.7	16.3 +- 0.6; 3.9	13.8 +- 2.1
8	49	2.0	17.1 +- 0.5; 2.6	15.6 +- 0.6; 3.8	13.8 +- 1.8
9	49	10.0	Missing Dosimeter	No Net Data	13.6 +- 1.9
10	28	4.8	16.2 +- 0.5; 2.4	14.6 +- 0.6; 3.7	14.1 +- 1.7
11	67	5.0	16.7 +- 0.5; 2.5	15.2 +- 0.6; 3.7	14.2 +- 1.7
12	50	5.1	17.9 +- 0.5; 2.7	16.3 +- 0.6; 3.9	18.1 +- 2.1
13	353	2.0	15.9 +- 0.5; 2.4	14.4 +- 0.6; 3.7	12.4 +- 1.6
14	341	1.6	18.1 +- 0.5; 2.7	16.5 +- 0.6; 3.9	14.5 +- 1.9
15	147	10.0	17.6 +- 0.5; 2.6	16.0 +- 0.6; 3.8	12.8 +- 1.7
16	232	0.9	17.1 +- 0.5; 2.6	15.5 +- 0.6; 3.8	13.0 +- 1.7
17	205	1.6	19.3 +- 0.6; 2.9	17.7 +- 0.6; 4.0	14.1 +- 1.7
18	192	4.2	13.9 +- 0.4; 2.1	12.3 +- 0.5; 3.5	11.3 +- 1.6
19	184	4.2	15.1 +- 0.5; 2.3	13.5 +- 0.5; 3.6	11.3 +- 1.9
20	165	4.6	15.6 +- 0.5; 2.3	14.0 +- 0.5; 3.6	12.1 +- 1.8
21	135	4.4	16.1 +- 0.5; 2.4	14.6 +- 0.6; 3.7	12.7 +- 1.6
22	120	4.1	16.6 +- 0.5; 2.5	15.0 +- 0.6; 3.7	14.0 +- 1.9
23	107	3.7	16.2 +- 0.5; 2.4	14.7 +- 0.6; 3.7	13.2 +- 1.9
24	123	14.0	16.4 +- 0.5; 2.5	14.8 +- 0.6; 3.7	12.1 +- 1.7
25	114	12.0	16.7 +- 0.5; 2.5	15.1 +- 0.6; 3.7	13.3 +- 1.6
26	142	1.8	17.3 +- 0.5; 2.6	15.7 +- 0.6; 3.8	14.2 +- 1.9
27	157	2.2	16.5 +- 0.5; 2.5	14.9 +- 0.6; 3.7	13.2 +- 1.7
28	171	0.9	18.1 +- 0.5; 2.7	16.5 +- 0.6; 3.9	14.3 +- 1.6
29	253	1.0	16.8 +- 0.5; 2.5	15.2 +- 0.6; 3.7	13.3 +- 1.7
30	270	1.0	18.6 +- 0.6; 2.8	17.0 +- 0.6; 3.9	15.0 +- 2.5
31	292	1.1	17.4 +- 0.5; 2.6	15.8 +- 0.6; 3.8	13.5 +- 1.8
32	268	4.2	16.7 +- 0.5; 2.5	15.1 +- 0.6; 3.7	13.4 +- 1.5
33	248	4.3	Missing Dosimeter	No Net Data	12.0 +- 1.8
34	216	4.1	15.1 +- 0.5; 2.3	13.5 +- 0.5; 3.6	11.4 +- 1.8
35	234	12.0	19.2 +- 0.6; 2.9	17.6 +- 0.6; 4.0	13.7 +- 2.1
36	182	10.0	14.0 +- 0.4; 2.1	12.4 +- 0.5; 3.5	12.6 +- 2.7
37	177	10.0	16.4 +- 0.5; 2.5	14.8 +- 0.6; 3.7	12.3 +- 1.8
38	323	12.0	17.9 +- 0.5; 2.7	16.3 +- 0.6; 3.9	14.9 +- 1.8
39	321	13.0	19.7 +- 0.6; 3.0	18.2 +- 0.7; 4.1	15.1 +- 1.9
40	323	12.0	20.7 +- 0.6; 3.1	19.2 +- 0.7; 4.2	15.1 +- 1.9

Transit Dose = 1.7 +- 0.3; 2.7

## HATCH

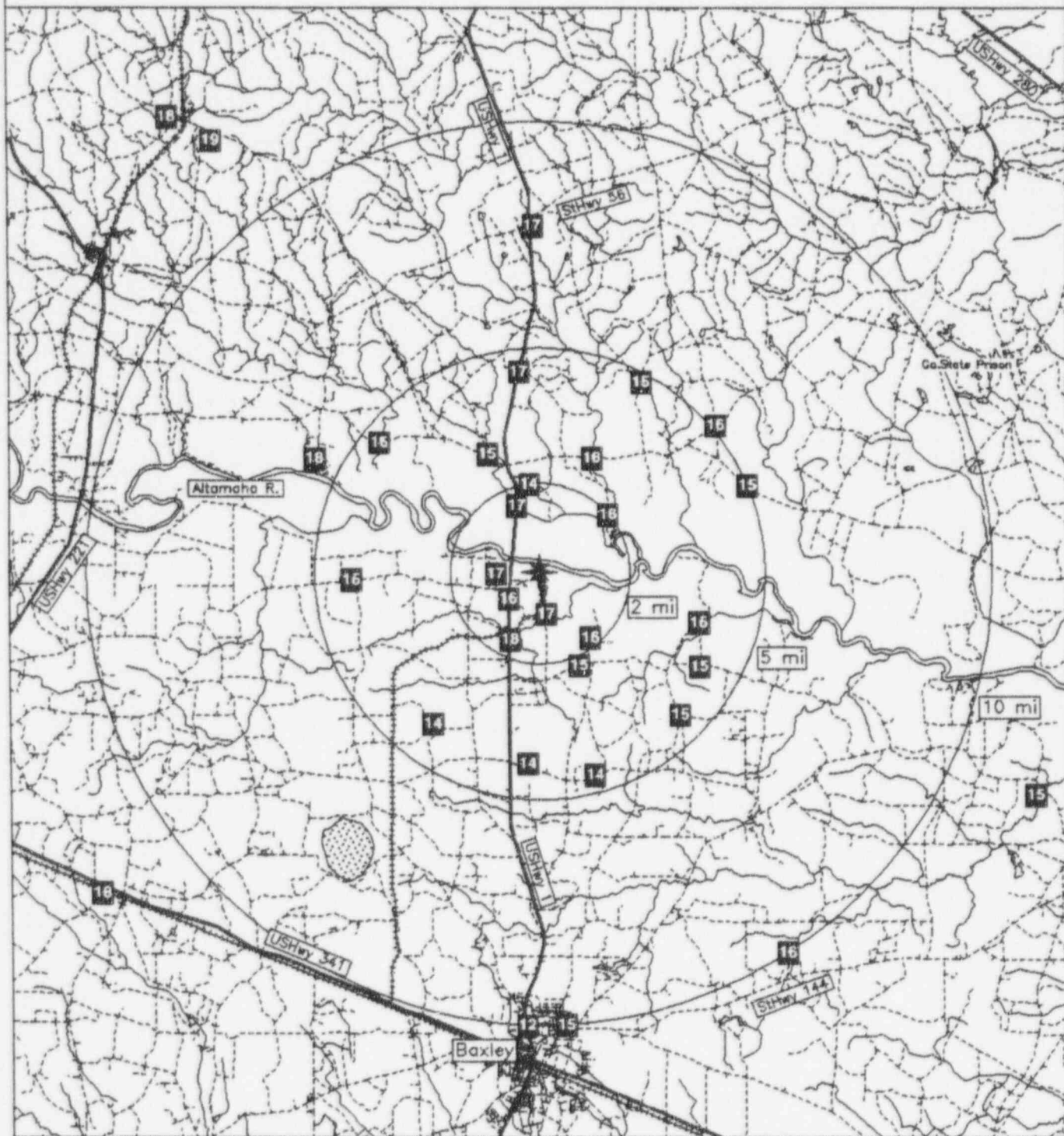
For the period 950614-951031

## TLD Direct Radiation Environmental Monitoring

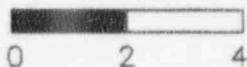
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	16.0 +- 1.4	3
11.26 - 33.75 NNE	15.4 +- 1.2	2
33.76 - 56.25 NE	15.9 +- 0.5	2
56.26 - 78.75 ENE	15.2 +- 0.0	1
78.76 - 101.25 E	No Data +- No Data	0
101.26 - 123.75 ESE	14.9 +- 0.2	4
123.76 - 146.25 SE	15.2 +- 0.8	2
146.26 - 168.75 SSE	15.0 +- 1.0	3
168.76 - 191.25 S	14.3 +- 1.8	4
191.26 - 213.75 SSW	15.0 +- 3.9	2
213.76 - 236.25 SW	15.6 +- 2.0	3
236.26 - 258.75 WSW	15.2 +- 0.0	1
258.76 - 281.25 W	16.1 +- 1.3	2
281.26 - 303.75 WNW	17.0 +- 1.7	2
303.76 - 326.25 NW	15.8 +- 0.0	1
326.26 - 348.75 NNW	17.0 +- 2.1	3

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	16.0 +- 1.0	10
2 - 5	14.8 +- 1.1	15
> 5	16.1 +- 2.0	10
Upwind Control	17.9 +- 1.4	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 950615-951017 125 Days  
 Field Time: 90 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	52	1.4	16.2 +- 0.5; 2.4	13.5 +- 0.6; 3.7	12.5 +- 1.4
2	53	1.0	17.8 +- 0.5; 2.7	15.1 +- 0.6; 3.9	14.7 +- 1.9
3	61	1.5	19.7 +- 0.6; 3.0	17.0 +- 0.7; 4.1	14.8 +- 1.1
4	89	1.2	19.8 +- 0.6; 3.0	17.1 +- 0.7; 4.1	15.2 +- 1.3
5	107	0.9	18.7 +- 0.6; 2.8	16.0 +- 0.6; 4.0	15.4 +- 1.3
6	90	0.5	20.4 +- 0.6; 3.1	17.6 +- 0.7; 4.2	15.6 +- 1.3
7	133	0.8	19.0 +- 0.6; 2.8	16.2 +- 0.6; 4.0	14.7 +- 1.4
8	158	0.8	20.2 +- 0.6; 3.0	17.5 +- 0.7; 4.1	15.7 +- 1.3
9	188	1.2	20.1 +- 0.6; 3.0	17.3 +- 0.7; 4.1	16.3 +- 1.4
10	206	0.9	19.1 +- 0.6; 2.9	16.4 +- 0.6; 4.0	15.0 +- 1.4
11	170	1.1	16.6 +- 0.5; 2.5	13.8 +- 0.6; 3.3	13.4 +- 1.2
12	155	2.3	Missing Dosimeter	No Net Data	14.6 +- 1.7
13	136	3.2	18.8 +- 0.6; 2.8	16.1 +- 0.6; 4.0	14.7 +- 1.4
14	107	3.1	16.8 +- 0.5; 2.5	14.1 +- 0.6; 3.8	13.6 +- 1.4
15	94	3.8	17.7 +- 0.5; 2.7	15.0 +- 0.6; 3.9	14.5 +- 1.2
16	142	5.7	19.1 +- 0.6; 2.9	16.3 +- 0.6; 4.0	16.0 +- 1.3
18	147	9.1	19.9 +- 0.6; 3.0	17.2 +- 0.7; 4.1	15.9 +- 1.4
19	137	12.0	18.1 +- 0.5; 2.7	15.4 +- 0.6; 3.9	14.6 +- 2.0
20	129	12.0	18.0 +- 0.5; 2.7	15.2 +- 0.6; 3.9	14.7 +- 1.4
22	74	7.5	19.0 +- 0.6; 2.9	16.3 +- 0.6; 4.0	15.2 +- 1.2
23	5	100.0	21.9 +- 0.7; 3.3	19.2 +- 0.7; 4.3	16.7 +- 1.3
24	5	100.0	21.2 +- 0.6; 3.2	18.5 +- 0.7; 4.3	16.5 +- 1.4
25	65	4.1	18.7 +- 0.6; 2.8	15.9 +- 0.6; 4.0	14.5 +- 1.4
26	40	4.0	21.5 +- 0.6; 3.2	18.8 +- 0.7; 4.3	17.7 +- 1.3
27	25	5.3	20.7 +- 0.6; 3.1	18.0 +- 0.7; 4.2	16.3 +- 1.2
28	24	2.9	Missing Dosimeter	No Net Data	15.4 +- 1.3
29	22	2.1	20.0 +- 0.6; 3.0	17.3 +- 0.7; 4.1	15.3 +- 1.2
30	8	1.9	21.2 +- 0.6; 3.2	18.5 +- 0.7; 4.3	16.5 +- 1.6
31	356	5.0	19.6 +- 0.6; 2.9	16.9 +- 0.7; 4.1	15.5 +- 1.3
32	330	3.7	18.5 +- 0.6; 2.8	15.8 +- 0.6; 4.0	16.5 +- 1.7
33	338	4.7	19.5 +- 0.6; 2.9	16.8 +- 0.7; 4.1	17.2 +- 1.3
34	354	7.0	20.9 +- 0.6; 3.1	18.1 +- 0.7; 4.2	19.0 +- 3.0
35	297	4.4	19.6 +- 0.6; 2.9	16.9 +- 0.7; 4.1	16.2 +- 1.4
36	309	3.6	19.8 +- 0.6; 3.0	17.1 +- 0.7; 4.1	22.6 +- 6.3
37	350	1.1	19.8 +- 0.6; 3.0	17.1 +- 0.7; 4.1	16.6 +- 1.3
38	337	0.9	24.0 +- 0.7; 3.6	21.3 +- 0.8; 4.6	16.5 +- 1.4
39	315	1.0	Missing Dosimeter	No Net Data	15.1 +- 1.3
40	294	1.1	Missing Dosimeter	No Net Data	16.6 +- 1.5
41	274	1.1	25.7 +- 0.8; 3.9	23.0 +- 0.8; 4.8	18.4 +- 1.9
42	248	1.5	Missing Dosimeter	No Net Data	17.3 +- 2.1
44	5	100.0	21.2 +- 0.6; 3.2	18.5 +- 0.7; 4.3	16.4 +- 1.5
45	227	2.4	19.7 +- 0.6; 3.0	17.0 +- 0.7; 4.1	16.3 +- 2.1
46	209	3.2	16.8 +- 0.5; 2.5	14.0 +- 0.6; 3.8	14.8 +- 2.0
47	218	5.3	19.0 +- 0.6; 2.9	16.3 +- 0.6; 4.0	15.2 +- 1.9
48	201	4.6	19.3 +- 0.6; 2.9	16.6 +- 0.7; 4.1	16.0 +- 1.5
49	187	5.2	16.3 +- 0.5; 2.5	13.6 +- 0.6; 3.7	13.9 +- 1.9
50	171	7.1	17.4 +- 0.5; 2.6	14.6 +- 0.6; 3.8	14.3 +- 1.4

Transit Dose = 2.7 +- 0.3; 2.8

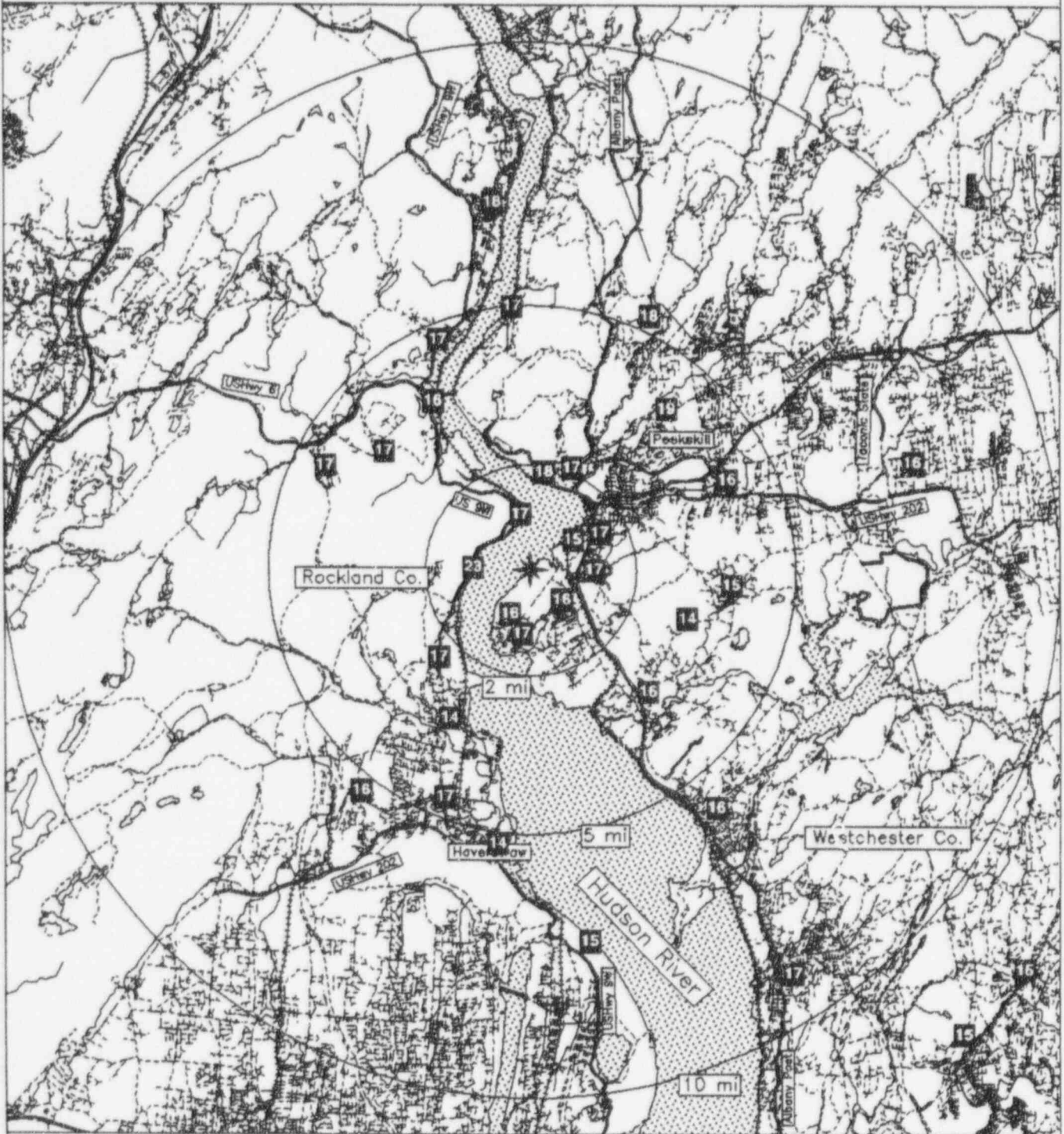
INDIAN POINT  
For the period 950615-951017

## TLD Direct Radiation Environmental Monitoring

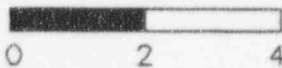
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	17.6 +- 0.8	4
11.26 - 33.75 NNE	17.6 +- 0.5	2
33.76 - 56.25 NE	15.8 +- 2.7	3
56.26 - 78.75 ENE	16.4 +- 0.5	3
78.76 - 101.25 E	16.6 +- 1.4	3
101.26 - 123.75 ESE	15.0 +- 1.3	2
123.76 - 146.25 SE	15.9 +- 0.5	5
146.26 - 168.75 SSE	17.3 +- 0.2	2
168.76 - 191.25 S	14.9 +- 1.7	4
191.26 - 213.75 SSW	15.7 +- 1.4	3
213.76 - 236.25 SW	16.6 +- 0.4	2
236.26 - 258.75 WSW	No Data +- No Data	0
258.76 - 281.25 W	23.0 +- 0.0	1
281.26 - 303.75 WNW	16.9 +- 0.0	1
303.76 - 326.25 NW	17.1 +- 0.0	1
326.26 - 348.75 NNW	17.9 +- 3.0	3

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	17.2 +- 2.5	15
2 - 5	16.3 +- 1.3	14
> 5	16.1 +- 1.4	10
Upwind Control	18.7 +- 0.4	3

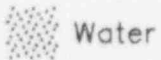
# NRC TLD DOSES FOR INDIAN POINT AREA



Miles



### Legend



Water



Railroads



Plant..site



Highways



Roads



## KEWAUNEE/PT. BEACH

TLD Direct Radiation Environmental Monitoring

For the period 950612-951031 142 Days

Field Time: 99 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	189	8.1	18.3 +- 0.5; 2.7	14.5 +- 0.6; 3.7	12.6 +- 1.7
2	195	7.0	24.9 +- 0.7; 3.7	20.5 +- 0.7; 4.4	17.4 +- 2.1
3	163	4.9	18.3 +- 0.6; 2.8	14.6 +- 0.6; 3.7	13.1 +- 1.9
4	183	3.3	23.8 +- 0.7; 3.6	19.5 +- 0.7; 4.3	16.6 +- 2.1
5	210	3.2	18.6 +- 0.6; 2.8	14.8 +- 0.6; 3.8	12.3 +- 2.1
6	223	3.7	24.1 +- 0.7; 3.6	19.8 +- 0.7; 4.3	16.6 +- 2.2
7	242	5.7	19.2 +- 0.6; 2.9	15.3 +- 0.6; 3.8	14.0 +- 1.6
8	202	1.8	24.3 +- 0.7; 3.6	20.0 +- 0.7; 4.3	17.2 +- 1.8
9	180	1.8	22.9 +- 0.7; 3.4	18.7 +- 0.7; 4.2	15.8 +- 1.9
10	158	1.9	18.4 +- 0.6; 2.8	14.7 +- 0.6; 3.7	12.9 +- 1.9
11	235	1.2	24.4 +- 0.7; 3.7	20.0 +- 0.7; 4.3	17.0 +- 2.1
12	258	1.4	22.4 +- 0.7; 3.4	18.3 +- 0.7; 4.1	15.5 +- 2.1
13	273	1.4	24.3 +- 0.7; 3.6	20.0 +- 0.7; 4.3	15.7 +- 2.0
14	290	0.9	21.7 +- 0.7; 3.3	17.7 +- 0.7; 4.1	16.7 +- 1.8
15	333	0.8	20.8 +- 0.6; 3.1	16.8 +- 0.6; 4.0	15.4 +- 2.1
16	342	1.9	22.6 +- 0.7; 3.4	18.5 +- 0.7; 4.2	15.5 +- 1.9
17	317	2.0	21.1 +- 0.6; 3.2	17.1 +- 0.6; 4.0	13.8 +- 2.6
18	310	3.4	24.3 +- 0.7; 3.6	19.9 +- 0.7; 4.3	17.7 +- 1.7
19	293	4.0	20.2 +- 0.6; 3.0	16.2 +- 0.6; 3.9	14.7 +- 2.2
20	273	4.0	22.1 +- 0.7; 3.3	18.0 +- 0.7; 4.1	14.6 +- 2.3
21	300	5.6	Missing Dosimeter	No Net Data	14.6 +- 1.7
22	316	5.9	22.9 +- 0.7; 3.4	18.7 +- 0.7; 4.2	15.5 +- 2.0
23	345	2.7	23.2 +- 0.7; 3.5	19.0 +- 0.7; 4.2	16.7 +- 2.1
24	219	1.3	20.2 +- 0.6; 3.0	16.2 +- 0.6; 3.9	14.9 +- 2.0
25	247	1.4	23.7 +- 0.7; 3.6	19.4 +- 0.7; 4.3	16.6 +- 1.8
26	263	1.3	22.5 +- 0.7; 3.4	18.3 +- 0.7; 4.1	16.3 +- 1.8
27	290	1.4	24.4 +- 0.7; 3.7	20.1 +- 0.7; 4.3	16.8 +- 1.9
28	320	1.3	24.2 +- 0.7; 3.6	19.9 +- 0.7; 4.3	16.9 +- 2.3
29	342	1.1	23.0 +- 0.7; 3.5	18.8 +- 0.7; 4.2	15.8 +- 2.6
30	329	0.6	22.9 +- 0.7; 3.4	18.7 +- 0.7; 4.2	16.5 +- 1.9
31	13	1.0	19.1 +- 0.6; 2.9	15.3 +- 0.6; 3.8	14.8 +- 1.9
32	353	2.1	23.6 +- 0.7; 3.5	19.3 +- 0.7; 4.3	16.2 +- 2.0
33	301	3.9	19.5 +- 0.6; 2.9	15.6 +- 0.6; 3.8	15.1 +- 1.9
34	299	8.4	22.4 +- 0.7; 3.4	18.2 +- 0.7; 4.1	15.8 +- 1.7
35	323	3.8	20.0 +- 0.6; 3.0	16.1 +- 0.6; 3.9	14.1 +- 2.2
36	336	3.3	24.5 +- 0.7; 3.7	20.2 +- 0.7; 4.3	16.6 +- 2.2
37	6	3.1	20.9 +- 0.6; 3.1	16.9 +- 0.6; 4.0	14.5 +- 1.8
38	14	3.7	22.4 +- 0.7; 3.4	18.2 +- 0.7; 4.1	15.4 +- 1.9
39	13	7.6	21.8 +- 0.7; 3.3	17.7 +- 0.7; 4.1	13.3 +- 1.7
40	247	4.3	22.9 +- 0.7; 3.4	18.7 +- 0.7; 4.2	18.0 +- 1.9
41	8	23.0	Missing Dosimeter	No Net Data	13.1 +- 2.4
42	8	23.0	Missing Dosimeter	No Net Data	13.7 +- 1.9
43	8	23.0	18.5 +- 0.6; 2.8	14.7 +- 0.6; 3.8	12.9 +- 2.0

Transit Dose = 2.3 +- 0.3; 3.1

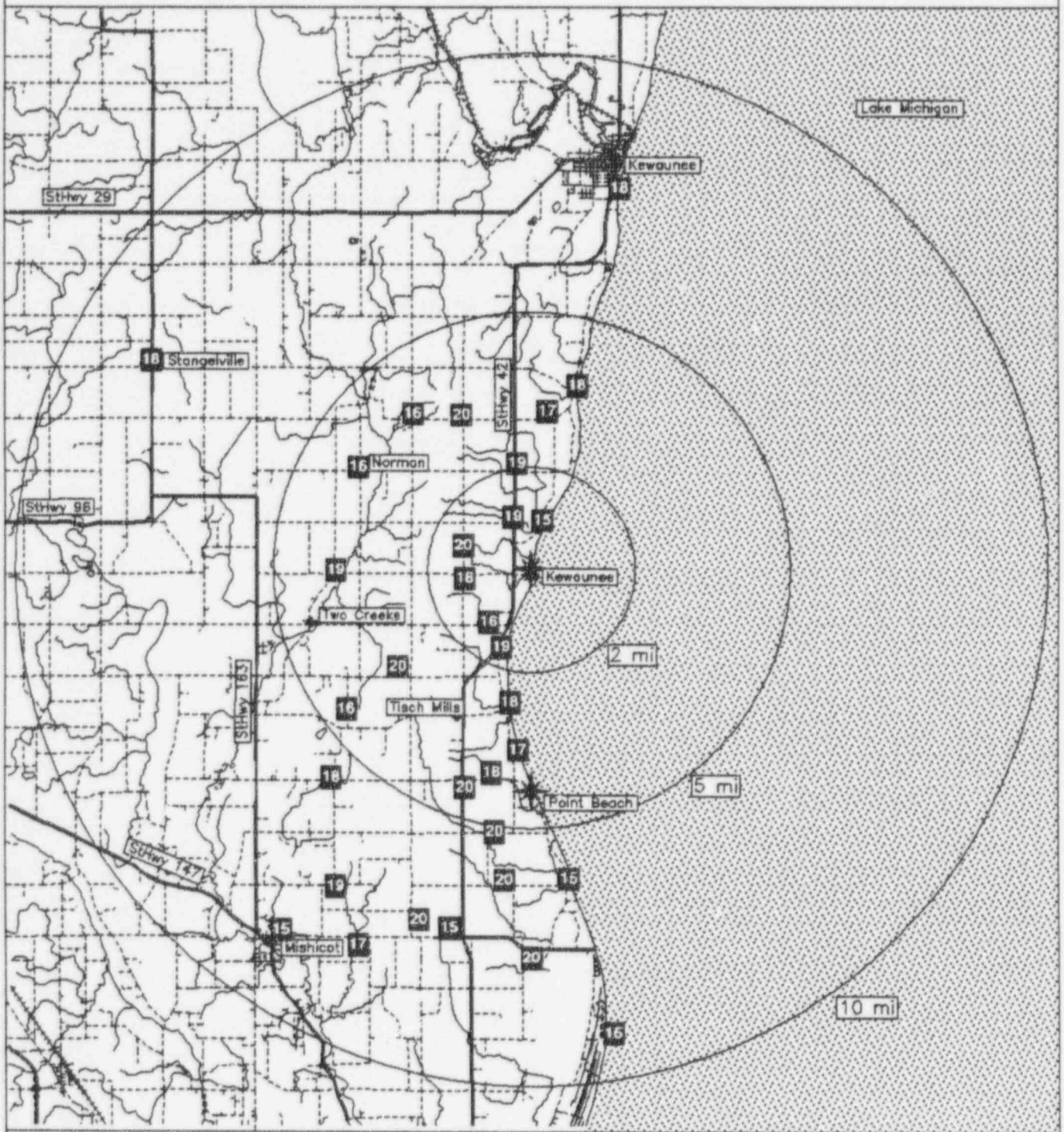
KEWAUNEE/PT. BEACH  
For the period 950612-951031

TLD Direct Radiation Environmental Monitoring

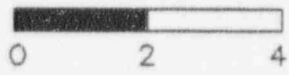
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	18.1 +- 1.7	2
11.26 - 33.75 NNE	17.1 +- 1.6	3
33.76 - 56.25 NE	No Data +- No Data	0
56.26 - 78.75 ENE	No Data +- No Data	0
78.76 - 101.25 E	No Data +- No Data	0
101.26 - 123.75 ESE	No Data +- No Data	0
123.76 - 146.25 SE	No Data +- No Data	0
146.26 - 168.75 SSE	14.6 +- 0.1	2
168.76 - 191.25 S	17.6 +- 2.7	3
191.26 - 213.75 SSW	18.4 +- 3.1	3
213.76 - 236.25 SW	18.7 +- 2.1	3
236.26 - 258.75 WSW	17.9 +- 1.8	4
258.76 - 281.25 W	18.8 +- 1.1	3
281.26 - 303.75 WNW	17.6 +- 1.8	5
303.76 - 326.25 NW	18.3 +- 1.7	5
326.26 - 348.75 NNW	18.6 +- 1.1	6

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	18.2 +- 1.7	18
2 - 5	17.8 +- 1.9	15
> 5	17.5 +- 2.2	6
Upwind Control	14.7 +- 0.0	1

# NRC TLD DOSES FOR KEWAUNEE AREA



Miles



### Legend

- Water
- Highways
- Railroads
- Roads
- Plant site

## LACROSSE

TLD Direct Radiation Environmental Monitoring

For the period 950613-951025 135 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	5	20.0	21.7 +- 0.6; 3.2	16.7 +- 0.7; 4.3	15.0 +- 1.8
2	5	20.0	Damaged Dosimeter	No Net Data	15.4 +- 1.5
3	3	20.0	20.8 +- 0.6; 3.1	15.9 +- 0.7; 4.2	15.8 +- 1.3
4	343	3.8	20.3 +- 0.6; 3.0	15.4 +- 0.7; 4.2	15.0 +- 1.5
5	313	3.8	21.0 +- 0.6; 3.2	16.1 +- 0.7; 4.2	17.2 +- 2.6
6	291	3.0	19.8 +- 0.6; 3.0	14.9 +- 0.7; 4.1	16.0 +- 1.4
7	261	4.8	24.6 +- 0.7; 3.7	19.5 +- 0.8; 4.6	17.7 +- 1.6
8	249	3.2	Missing Dosimeter	No Net Data	17.4 +- 1.8
9	214	5.0	20.1 +- 0.6; 3.0	15.3 +- 0.7; 4.2	15.8 +- 1.7
10	171	9.8	20.7 +- 0.6; 3.1	15.8 +- 0.7; 4.2	14.4 +- 1.4
11	176	5.1	20.9 +- 0.6; 3.1	16.0 +- 0.7; 4.2	14.8 +- 1.1
12	165	4.9	21.7 +- 0.7; 3.3	16.8 +- 0.7; 4.3	16.3 +- 1.3
13	138	3.5	22.2 +- 0.7; 3.3	17.3 +- 0.7; 4.4	16.6 +- 1.6
14	114	4.2	21.6 +- 0.6; 3.2	16.7 +- 0.7; 4.3	15.6 +- 1.5
15	97	3.9	19.3 +- 0.6; 2.9	14.5 +- 0.7; 4.1	14.8 +- 1.0
16	94	3.0	22.1 +- 0.7; 3.3	17.2 +- 0.7; 4.4	16.7 +- 1.6
17	105	2.0	Missing Dosimeter	No Net Data	16.5 +- 2.2
18	52	1.5	19.4 +- 0.6; 2.9	14.5 +- 0.7; 4.1	14.4 +- 1.4
19	16	1.5	19.1 +- 0.6; 2.9	14.3 +- 0.7; 4.1	14.7 +- 1.3
20	1	1.0	17.7 +- 0.5; 2.7	12.9 +- 0.6; 3.9	13.7 +- 1.3
21	358	0.5	22.2 +- 0.7; 3.3	17.2 +- 0.7; 4.4	17.2 +- 1.4
22	180	0.6	21.7 +- 0.7; 3.3	16.8 +- 0.7; 4.3	16.3 +- 1.3
23	134	1.7	20.3 +- 0.6; 3.0	15.4 +- 0.7; 4.2	16.5 +- 1.7
24	58	0.6	24.4 +- 0.7; 3.7	19.4 +- 0.8; 4.6	17.4 +- 1.7
25	59	3.1	22.8 +- 0.7; 3.4	17.8 +- 0.7; 4.4	17.3 +- 1.7
26	16	1.5	23.0 +- 0.7; 3.4	18.0 +- 0.8; 4.5	16.6 +- 1.6
27	26	5.1	21.5 +- 0.6; 3.2	16.6 +- 0.7; 4.3	15.4 +- 1.3
28	25	7.0	20.3 +- 0.6; 3.0	15.4 +- 0.7; 4.2	14.4 +- 1.7
29	4	4.8	22.2 +- 0.7; 3.3	17.3 +- 0.7; 4.4	16.1 +- 1.6

Transit Dose = 4.4 +- 0.4; 3.1

## LACROSSE

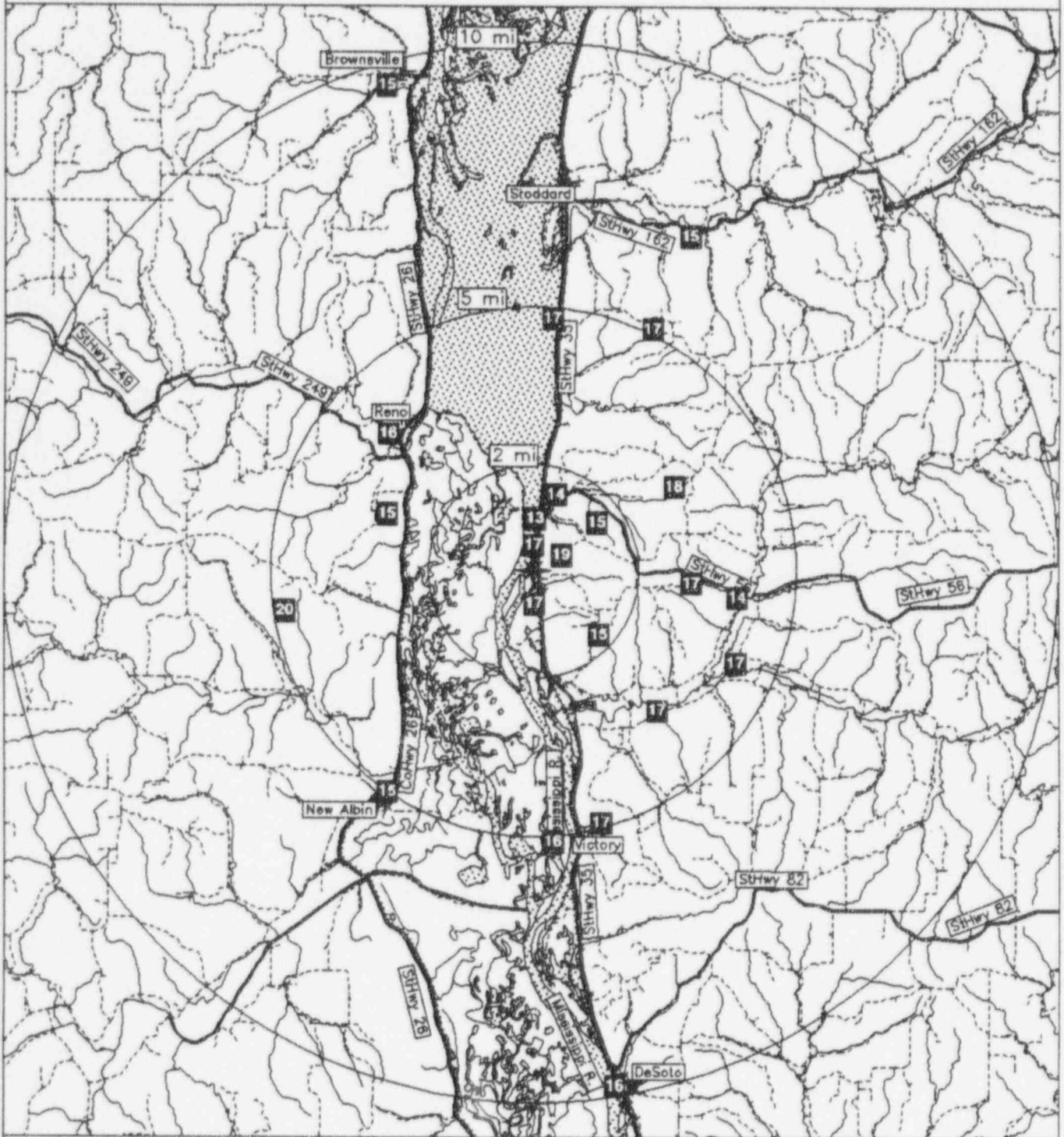
For the period 950613-951025

## TLD Direct Radiation Environmental Monitoring

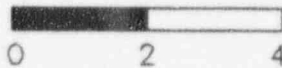
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	15.8 +- 2.5	3
11.26 - 33.75 NNE	16.1 +- 1.6	4
33.76 - 56.25 NE	14.5 +- 0.0	1
56.26 - 78.75 ENE	18.6 +- 1.1	2
78.76 - 101.25 E	15.8 +- 1.9	2
101.26 - 123.75 ESE	16.7 +- 0.0	1
123.76 - 146.25 SE	16.3 +- 1.3	2
146.26 - 168.75 SSE	16.8 +- 0.0	1
168.76 - 191.25 S	16.2 +- 0.5	3
191.26 - 213.75 SSW	No Data +- No Data	0
213.76 - 236.25 SW	15.3 +- 0.0	1
236.26 - 258.75 WSW	No Data +- No Data	0
258.76 - 281.25 W	19.5 +- 0.0	1
281.26 - 303.75 WNW	14.9 +- 0.0	1
303.76 - 326.25 NW	16.1 +- 0.0	1
326.26 - 348.75 NNW	15.4 +- 0.0	1

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	16.1 +- 2.2	8
2 - 5	16.6 +- 1.4	12
> 5	16.0 +- 0.5	4
Upwind Control	16.3 +- 0.6	2

# NRC TLD DOSES FOR LACROSSE AREA



Miles



### Legend

Water

Railroads

Plant..site

Highways

Roads

## LASALLE

TLD Direct Radiation Environmental Monitoring

For the period 950613-951025 135 Days

Field Time: 88 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	302	10.0	21.4 +- 0.6; 3.2	16.9 +- 0.8; 4.5	17.2 +- 1.3
2	335	5.3	22.6 +- 0.7; 3.4	18.1 +- 0.8; 4.6	19.7 +- 1.6
3	343	5.8	19.7 +- 0.6; 3.0	15.1 +- 0.7; 4.3	15.6 +- 1.3
4	38	5.5	22.7 +- 0.7; 3.4	18.1 +- 0.8; 4.6	18.8 +- 2.4
5	39	4.3	18.5 +- 0.6; 2.8	13.9 +- 0.7; 4.2	14.6 +- 1.2
6	27	3.8	21.3 +- 0.6; 3.2	16.8 +- 0.8; 4.5	17.2 +- 1.3
7	2	4.1	22.8 +- 0.7; 3.4	18.2 +- 0.8; 4.6	19.5 +- 1.5
8	304	4.6	23.3 +- 0.7; 3.5	18.8 +- 0.8; 4.7	19.1 +- 1.4
9	292	3.9	25.6 +- 0.8; 3.8	21.2 +- 0.9; 5.0	19.3 +- 2.8
10	281	3.7	21.7 +- 0.7; 3.3	17.2 +- 0.8; 4.5	19.0 +- 1.9
11	248	4.0	21.8 +- 0.7; 3.3	17.2 +- 0.8; 4.5	18.4 +- 1.4
12	222	12.0	22.6 +- 0.7; 3.4	18.1 +- 0.8; 4.6	17.6 +- 1.3
13	212	18.0	23.0 +- 0.7; 3.4	18.4 +- 0.8; 4.6	18.3 +- 1.3
14	212	18.0	23.0 +- 0.7; 3.4	18.5 +- 0.8; 4.6	18.9 +- 1.4
15	212	18.0	23.7 +- 0.7; 3.6	19.2 +- 0.8; 4.7	18.6 +- 1.5
16	215	4.4	24.6 +- 0.7; 3.7	20.1 +- 0.8; 4.8	19.7 +- 1.2
17	204	4.0	22.8 +- 0.7; 3.4	18.3 +- 0.8; 4.6	19.0 +- 1.3
18	173	4.6	24.0 +- 0.7; 3.6	19.5 +- 0.8; 4.8	19.4 +- 1.4
19	174	6.4	21.5 +- 0.6; 3.2	17.0 +- 0.8; 4.5	17.2 +- 1.1
20	158	3.6	22.5 +- 0.7; 3.4	18.0 +- 0.8; 4.6	18.6 +- 1.5
21	124	4.2	22.9 +- 0.7; 3.4	18.4 +- 0.8; 4.6	19.3 +- 1.7
22	114	3.8	22.4 +- 0.7; 3.4	17.9 +- 0.8; 4.6	18.7 +- 1.3
23	97	4.5	21.9 +- 0.7; 3.3	17.4 +- 0.8; 4.5	18.1 +- 1.5
24	72	4.7	23.0 +- 0.7; 3.4	18.4 +- 0.8; 4.6	19.8 +- 1.5
25	41	2.0	Missing Dosimeter	No Net Data	18.8 +- 1.4
26	31	1.6	23.1 +- 0.7; 3.5	18.6 +- 0.8; 4.7	18.6 +- 1.3
27	31	1.5	23.6 +- 0.7; 3.5	19.0 +- 0.8; 4.7	19.2 +- 1.3
28	33	1.6	23.7 +- 0.7; 3.5	19.2 +- 0.8; 4.7	18.2 +- 1.3
29	310	2.3	21.8 +- 0.7; 3.3	17.3 +- 0.8; 4.5	17.5 +- 1.6
30	301	2.0	25.1 +- 0.8; 3.8	20.7 +- 0.9; 4.9	20.8 +- 1.5
31	271	1.7	22.6 +- 0.7; 3.4	18.0 +- 0.8; 4.6	18.4 +- 1.4
32	256	1.8	22.7 +- 0.7; 3.4	18.2 +- 0.8; 4.6	19.3 +- 1.7
33	227	2.4	25.2 +- 0.8; 3.8	20.7 +- 0.9; 4.9	20.3 +- 1.5
34	204	1.7	22.8 +- 0.7; 3.4	18.2 +- 0.8; 4.6	18.6 +- 1.3
35	165	1.6	23.1 +- 0.7; 3.5	18.6 +- 0.8; 4.7	19.4 +- 2.2
36	149	1.8	25.0 +- 0.7; 3.7	20.5 +- 0.9; 4.9	19.5 +- 1.4
37	139	2.1	23.4 +- 0.7; 3.5	18.9 +- 0.8; 4.7	18.8 +- 1.3
38	111	1.5	21.8 +- 0.7; 3.3	17.2 +- 0.8; 4.5	16.9 +- 1.2
39	265	0.6	25.7 +- 0.8; 3.8	21.2 +- 0.9; 5.0	19.8 +- 1.6

Transit Dose = 4.9 +- 0.4; 3.0

LASALLE

For the period 950613-951025

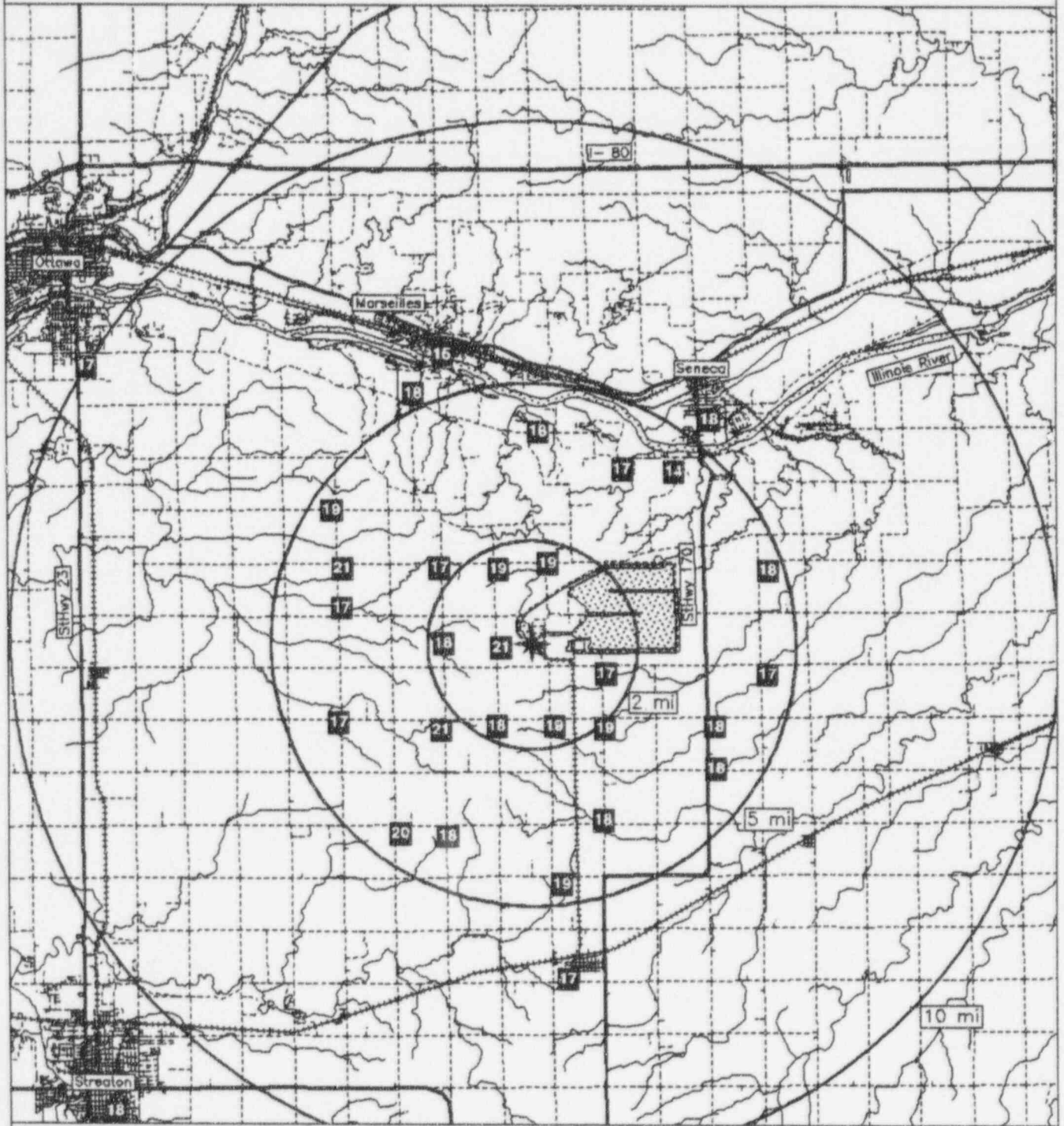
## TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	18.6 +- 0.4	3
11.26 - 33.75 NNE	16.8 +- 0.0	1
33.76 - 56.25 NE	16.0 +- 3.0	2
56.26 - 78.75 ENE	18.4 +- 0.0	1
78.76 - 101.25 E	17.4 +- 0.0	1
101.26 - 123.75 ESE	17.5 +- 0.4	2
123.76 - 146.25 SE	18.6 +- 0.3	2
146.26 - 168.75 SSE	19.0 +- 1.3	3
168.76 - 191.25 S	18.2 +- 1.7	2
191.26 - 213.75 SSW	18.3 +- 0.0	2
213.76 - 236.25 SW	19.6 +- 1.4	3
236.26 - 258.75 WSW	17.7 +- 0.7	2
258.76 - 281.25 W	18.8 +- 2.1	3
281.26 - 303.75 WNW	19.6 +- 2.3	3
303.76 - 326.25 NW	18.0 +- 1.0	2
326.26 - 348.75 NNW	17.4 +- 2.1	3

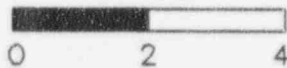
Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	19.0 +- 1.2	11
2 - 5	18.2 +- 1.6	18
> 5	17.2 +- 1.2	6
Upwind Control	18.7 +- 0.4	3



# NRC TLD DOSES FOR LASALLE AREA



Miles



### Legend



Water

--- Railroads



Plant..site

— Highways

--- Roads

## LIMERICK

TLD Direct Radiation Environmental Monitoring  
 For the period 950615-951024 132 Days  
 Field Time: 106 Days

NRC Sta	Location		Gross Exposure (mR)		Net Exposure Rate (mR/Std. Qtr.)		Hist. Range Net Exp Rate	
	Azimuth/ (Deg)	Dist (Mi)	+-Rdm; Tot.		+-Rdm; Tot.		+-1 Std Dev	
1	115	8.5	30.2	+- 0.9; 4.5	24.3	+- 0.8; 4.7	22.8	+- 1.6
3	85	3.7	25.8	+- 0.8; 3.9	20.6	+- 0.7; 4.3	18.8	+- 1.4
4	46	3.3	26.7	+- 0.8; 4.0	21.3	+- 0.7; 4.4	19.4	+- 1.5
5	20	3.7	24.1	+- 0.7; 3.6	19.2	+- 0.7; 4.1	19.3	+- 1.4
6	7	4.6	25.8	+- 0.8; 3.9	20.6	+- 0.7; 4.3	20.1	+- 1.4
7	340	7.2	23.7	+- 0.7; 3.6	18.8	+- 0.7; 4.1	17.9	+- 1.7
8	332	4.0	24.3	+- 0.7; 3.6	19.3	+- 0.7; 4.1	19.0	+- 1.4
9	313	3.4	Damaged Dosimeter		No Net Data		19.0	+- 1.4
10	291	4.9	27.7	+- 0.8; 4.2	22.2	+- 0.8; 4.5	20.6	+- 1.7
11	304	3.0	32.8	+- 1.0; 4.9	26.5	+- 0.9; 5.0	24.3	+- 1.7
12	316	1.9	25.3	+- 0.8; 3.8	20.1	+- 0.7; 4.2	18.1	+- 1.3
13	347	1.9	28.4	+- 0.9; 4.3	22.8	+- 0.8; 4.5	20.3	+- 1.4
14	339	1.5	22.9	+- 0.7; 3.4	18.1	+- 0.6; 4.0	17.2	+- 1.2
15	41	1.7	24.6	+- 0.7; 3.7	19.6	+- 0.7; 4.1	18.3	+- 1.4
16	66	2.6	24.9	+- 0.7; 3.7	19.8	+- 0.7; 4.2	19.2	+- 1.5
17	5	0.6	24.5	+- 0.7; 3.7	19.5	+- 0.7; 4.1	18.3	+- 1.8
18	300	0.7	24.5	+- 0.7; 3.7	19.5	+- 0.7; 4.1	18.5	+- 1.6
19	291	0.7	24.7	+- 0.7; 3.7	19.7	+- 0.7; 4.2	18.3	+- 1.6
20	260	0.7	25.4	+- 0.8; 3.8	20.2	+- 0.7; 4.2	18.0	+- 1.4
21	234	0.9	24.9	+- 0.7; 3.7	19.8	+- 0.7; 4.2	18.2	+- 1.4
22	210	1.1	24.7	+- 0.7; 3.7	19.6	+- 0.7; 4.2	19.0	+- 1.2
23	174	1.7	23.4	+- 0.7; 3.5	18.6	+- 0.7; 4.0	17.0	+- 1.3
24	149	1.5	22.8	+- 0.7; 3.4	18.0	+- 0.6; 4.0	17.4	+- 1.4
25	124	1.0	26.0	+- 0.8; 3.9	20.8	+- 0.7; 4.3	19.6	+- 1.3
26	114	1.1	26.8	+- 0.8; 4.0	21.5	+- 0.7; 4.4	19.8	+- 1.5
27	160	1.0	25.7	+- 0.8; 3.9	20.5	+- 0.7; 4.3	18.8	+- 1.2
28	81	1.0	24.9	+- 0.7; 3.7	19.8	+- 0.7; 4.2	18.3	+- 1.5
29	51	0.7	25.4	+- 0.8; 3.8	20.3	+- 0.7; 4.2	18.9	+- 1.4
30	144	3.2	30.7	+- 0.9; 4.6	24.7	+- 0.8; 4.8	22.2	+- 1.7
31	158	2.6	26.2	+- 0.8; 3.9	20.9	+- 0.7; 4.3	19.0	+- 2.0
32	153	7.3	23.7	+- 0.7; 3.5	18.8	+- 0.7; 4.1	17.6	+- 1.3
33	186	4.2	24.0	+- 0.7; 3.6	19.1	+- 0.7; 4.1	16.9	+- 1.4
34	194	3.8	20.5	+- 0.6; 3.1	16.1	+- 0.6; 3.8	16.8	+- 1.5
35	229	5.1	25.6	+- 0.8; 3.8	20.4	+- 0.7; 4.2	18.6	+- 1.4
36	251	4.1	30.8	+- 0.9; 4.6	24.8	+- 0.8; 4.8	19.4	+- 2.0
37	270	3.0	21.7	+- 0.7; 3.3	17.1	+- 0.6; 3.9	15.6	+- 1.2
38	293	11.9	28.5	+- 0.9; 4.3	22.9	+- 0.8; 4.5	20.1	+- 1.5
39	293	11.9	27.9	+- 0.8; 4.2	22.4	+- 0.8; 4.5	20.1	+- 1.6
40	293	11.9	27.8	+- 0.8; 4.2	22.2	+- 0.8; 4.5	20.7	+- 1.7
41	126	2.9	22.1	+- 0.7; 3.3	17.5	+- 0.6; 3.9	15.9	+- 1.5
42	111	4.3	25.8	+- 0.8; 3.9	20.6	+- 0.7; 4.3	18.9	+- 1.6

Transit Dose = 1.6 +- 0.3; 3.2

LIMERICK  
For the period 950615-951024

TLD Direct Radiation Environmental Monitoring

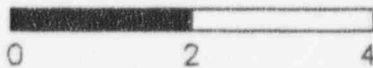
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	20.0 +- 0.8	2
11.26 - 33.75 NNE	19.2 +- 0.0	1
33.76 - 56.25 NE	20.4 +- 0.9	3
56.26 - 78.75 ENE	19.8 +- 0.0	1
78.76 - 101.25 E	20.2 +- 0.5	2
101.26 - 123.75 ESE	22.1 +- 1.9	3
123.76 - 146.25 SE	21.0 +- 3.6	3
146.26 - 168.75 SSE	19.6 +- 1.4	4
168.76 - 191.25 S	18.8 +- 0.4	2
191.26 - 213.75 SSW	17.9 +- 2.5	2
213.76 - 236.25 SW	20.1 +- 0.4	2
236.26 - 258.75 WSW	24.8 +- 0.0	1
258.76 - 281.25 W	18.7 +- 2.2	2
281.26 - 303.75 WNW	20.4 +- 1.5	3
303.76 - 326.25 NW	23.3 +- 4.5	2
326.26 - 348.75 NNW	19.7 +- 2.1	4

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	19.9 +- 1.2	17
2 - 5	20.6 +- 2.9	16
> 5	20.6 +- 2.6	4
Upwind Control	22.5 +- 0.3	3

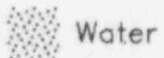
# NRC TLD DOSES FOR LIMERICK AREA



Miles



### Legend



Water

--- Railroads



Plant site

— Highways

--- Roads

## MAINE YANKEE

TLD Direct Radiation Environmental Monitoring

For the period 950615-951024 132 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	340	1.0	25.1 +- 0.8; 3.8	22.8 +- 0.8; 4.6	18.9 +- 2.2
2	6	1.4	24.2 +- 0.7; 3.6	21.9 +- 0.8; 4.5	17.8 +- 2.5
3	23	1.5	24.0 +- 0.7; 3.6	21.7 +- 0.8; 4.5	17.3 +- 2.1
4	44	1.8	23.4 +- 0.7; 3.5	21.1 +- 0.7; 4.4	17.2 +- 2.5
5	116	0.5	23.4 +- 0.7; 3.5	21.1 +- 0.8; 4.4	17.2 +- 2.4
6	168	1.0	24.0 +- 0.7; 3.6	21.7 +- 0.8; 4.5	18.1 +- 2.2
7	185	1.6	21.7 +- 0.6; 3.2	19.4 +- 0.7; 4.2	16.8 +- 1.9
8	195	2.3	23.4 +- 0.7; 3.5	21.2 +- 0.8; 4.4	17.8 +- 2.5
9	209	3.8	22.8 +- 0.7; 3.4	20.5 +- 0.7; 4.4	17.3 +- 2.1
10	310	1.7	23.2 +- 0.7; 3.5	20.9 +- 0.7; 4.4	17.3 +- 2.5
11	290	1.8	26.9 +- 0.8; 4.0	24.6 +- 0.8; 4.9	19.9 +- 2.8
12	275	1.7	25.0 +- 0.8; 3.8	22.7 +- 0.8; 4.6	19.0 +- 2.3
13	256	1.9	23.7 +- 0.7; 3.6	21.4 +- 0.8; 4.5	17.6 +- 2.5
14	232	2.5	25.1 +- 0.8; 3.8	22.8 +- 0.8; 4.6	18.6 +- 1.8
15	227	5.3	25.1 +- 0.8; 3.8	22.8 +- 0.8; 4.6	18.4 +- 2.5
16	246	4.4	24.6 +- 0.7; 3.7	22.3 +- 0.8; 4.6	19.5 +- 2.5
17	250	6.6	28.4 +- 0.9; 4.3	26.0 +- 0.9; 5.0	23.7 +- 2.1
18	268	4.7	23.9 +- 0.7; 3.6	21.7 +- 0.8; 4.5	18.5 +- 2.3
19	283	4.4	23.9 +- 0.7; 3.6	21.6 +- 0.8; 4.5	18.0 +- 1.8
20	305	4.7	23.3 +- 0.7; 3.5	21.0 +- 0.7; 4.4	17.7 +- 2.7
21	300	2.9	24.7 +- 0.7; 3.7	22.4 +- 0.8; 4.6	18.3 +- 2.5
22	332	2.7	Missing Dosimeter	No Net Data	19.0 +- 2.8
23	20	3.9	23.7 +- 0.7; 3.5	21.4 +- 0.8; 4.5	18.8 +- 2.7
24	23	3.0	25.6 +- 0.8; 3.8	23.3 +- 0.8; 4.7	19.2 +- 2.6
25	42	4.7	24.5 +- 0.7; 3.7	22.2 +- 0.8; 4.6	18.8 +- 2.4
26	60	15.0	22.8 +- 0.7; 3.4	20.5 +- 0.7; 4.4	17.2 +- 2.5
27	62	16.0	22.5 +- 0.7; 3.4	20.2 +- 0.7; 4.3	16.1 +- 2.1
28	63	16.0	22.4 +- 0.7; 3.4	20.1 +- 0.7; 4.3	17.5 +- 2.2
29	64	2.1	26.7 +- 0.8; 4.0	24.4 +- 0.8; 4.8	20.2 +- 2.7
30	84	1.5	22.6 +- 0.7; 3.4	20.3 +- 0.7; 4.3	16.9 +- 2.1
31	115	1.6	22.1 +- 0.7; 3.3	19.8 +- 0.7; 4.3	17.1 +- 2.2
32	135	2.0	22.9 +- 0.7; 3.4	20.7 +- 0.7; 4.4	16.4 +- 2.1
33	66	3.5	23.7 +- 0.7; 3.6	21.4 +- 0.8; 4.5	17.8 +- 2.3
34	97	4.9	24.6 +- 0.7; 3.7	22.3 +- 0.8; 4.6	18.7 +- 2.0
35	123	4.8	24.4 +- 0.7; 3.7	22.1 +- 0.8; 4.6	18.7 +- 2.0
36	140	4.9	22.5 +- 0.7; 3.4	20.2 +- 0.7; 4.3	17.6 +- 2.9
37	151	6.0	25.7 +- 0.8; 3.9	23.4 +- 0.8; 4.7	18.7 +- 2.5
38	152	4.2	25.9 +- 0.8; 3.9	23.6 +- 0.8; 4.7	19.5 +- 2.3
39	172	4.9	22.0 +- 0.7; 3.3	19.8 +- 0.7; 4.3	17.6 +- 2.0
40	156	7.4	24.1 +- 0.7; 3.6	21.8 +- 0.8; 4.5	18.1 +- 2.0

Transit Dose = 2.1 +- 0.3; 2.8

MAINE YANKEE  
For the period 950615-951024

TLD Direct Radiation Environmental Monitoring

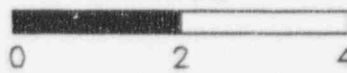
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	21.9 +- 0.0	1
11.26 - 33.75 NNE	22.1 +- 1.0	3
33.76 - 56.25 NE	21.7 +- 0.8	2
56.26 - 78.75 ENE	22.9 +- 2.1	2
78.76 - 101.25 E	21.3 +- 1.4	2
101.26 - 123.75 ESE	21.0 +- 1.1	3
123.76 - 146.25 SE	20.4 +- 0.3	2
146.26 - 168.75 SSE	22.6 +- 1.0	4
168.76 - 191.25 S	19.6 +- 0.3	2
191.26 - 213.75 SSW	20.9 +- 0.4	2
213.76 - 236.25 SW	22.8 +- 0.0	2
236.26 - 258.75 WSW	23.3 +- 2.4	3
258.76 - 281.25 W	22.2 +- 0.8	2
281.26 - 303.75 WNW	22.8 +- 1.5	3
303.76 - 326.25 NW	20.9 +- 0.1	2
326.26 - 348.75 NNW	22.8 +- 0.0	1

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	21.4 +- 1.3	14
2 - 5	21.9 +- 1.2	18
> 5	23.5 +- 1.8	4
Upwind Control	20.3 +- 0.2	3

# NRC TLD DOSES FOR MAINE YANKEE AREA



Miles



## Legend



Water



Highways

--- Railroads

--- Roads



Plant..site

## MCGUIRE

TLD Direct Radiation Environmental Monitoring

For the period 950614-951018 127 Days

Field Time: 99 Days

NRC Sta	Location		Gross Exposure (mR)		Net Exposure Rate (mR/Std. Qtr.)			Hist. Range Net Exp Rate	
	Azimuth/Dist (Deg)/(Mi)		+-Rdm; Tot.		+-Rdm; Tot.			+-1 Std Dev	
1	97	0.5	16.1	+- 0.5; 2.4	10.6	+- 0.6; 3.7	13.9	+- 2.7	
2	323	1.6	21.0	+- 0.6; 3.2	15.0	+- 0.7; 4.1	16.4	+- 2.0	
3	336	1.7	21.0	+- 0.6; 3.1	15.0	+- 0.7; 4.1	17.4	+- 2.5	
4	303	2.9	20.1	+- 0.6; 3.0	14.2	+- 0.6; 4.0	15.8	+- 3.3	
5	321	3.9	20.5	+- 0.6; 3.1	14.6	+- 0.7; 4.1	16.0	+- 2.0	
6	334	3.7	19.8	+- 0.6; 3.0	13.9	+- 0.6; 4.0	15.7	+- 2.5	
7	352	3.5	18.2	+- 0.5; 2.7	12.4	+- 0.6; 3.8	14.1	+- 2.3	
8	287	2.0	26.6	+- 0.8; 4.0	20.1	+- 0.8; 4.7	17.5	+- 2.9	
9	273	1.9	21.3	+- 0.6; 3.2	15.3	+- 0.7; 4.1	15.3	+- 3.0	
10	244	1.7	18.7	+- 0.6; 2.8	13.0	+- 0.6; 3.9	14.3	+- 2.4	
11	225	2.1	16.8	+- 0.5; 2.5	11.2	+- 0.6; 3.7	14.0	+- 2.5	
12	212	3.6	Missing Dosimeter		No Net Data			15.6	+- 2.1
13	232	4.4	Missing Dosimeter		No Net Data			21.4	+- 2.3
14	253	3.7	21.7	+- 0.7; 3.3	15.7	+- 0.7; 4.2	18.6	+- 2.8	
15	261	4.2	19.1	+- 0.6; 2.9	13.3	+- 0.6; 3.9	14.4	+- 2.1	
16	288	4.3	26.2	+- 0.8; 3.9	19.7	+- 0.8; 4.6	21.5	+- 2.4	
17	288	17.0	30.0	+- 0.9; 4.5	23.2	+- 0.9; 5.0	22.2	+- 2.0	
18	287	2.0	26.5	+- 0.8; 4.0	20.0	+- 0.8; 4.7	20.4	+- 3.0	
19	286	17.0	25.2	+- 0.8; 3.8	18.8	+- 0.8; 4.5	21.4	+- 3.5	
20	233	18.0	28.2	+- 0.8; 4.2	21.5	+- 0.8; 4.8	21.2	+- 2.5	
21	204	10.0	18.6	+- 0.6; 2.8	12.8	+- 0.6; 3.9	15.3	+- 2.6	
22	239	9.5	20.9	+- 0.6; 3.1	15.0	+- 0.7; 4.1	16.8	+- 2.4	
23	115	4.9	15.3	+- 0.5; 2.3	9.8	+- 0.5; 3.6	12.7	+- 2.7	
24	132	4.9	16.8	+- 0.5; 2.5	11.2	+- 0.6; 3.7	13.3	+- 2.2	
25	156	4.0	14.0	+- 0.4; 2.1	8.6	+- 0.5; 3.5	11.1	+- 2.3	
26	175	3.7	17.6	+- 0.5; 2.6	11.9	+- 0.6; 3.8	13.4	+- 2.2	
27	198	4.3	21.6	+- 0.6; 3.2	15.6	+- 0.7; 4.2	18.7	+- 2.8	
28	169	13.0	17.0	+- 0.5; 2.5	11.3	+- 0.6; 3.7	13.8	+- 2.7	
29	155	13.0	17.6	+- 0.5; 2.6	11.9	+- 0.6; 3.8	13.8	+- 2.5	
30	146	14.0	17.1	+- 0.5; 2.6	11.4	+- 0.6; 3.8	12.9	+- 2.1	
31	143	1.9	15.4	+- 0.5; 2.3	9.9	+- 0.5; 3.6	13.2	+- 3.4	
32	155	1.3	17.5	+- 0.5; 2.6	11.8	+- 0.6; 3.8	14.0	+- 2.1	
33	178	1.6	16.5	+- 0.5; 2.5	11.0	+- 0.6; 3.7	12.7	+- 2.5	
34	108	2.0	18.4	+- 0.6; 2.8	12.7	+- 0.6; 3.9	14.3	+- 2.1	
35	93	2.2	16.4	+- 0.5; 2.5	10.8	+- 0.6; 3.7	13.7	+- 2.9	
36	68	2.5	17.7	+- 0.5; 2.7	12.1	+- 0.6; 3.8	14.1	+- 2.3	
37	82	4.7	15.9	+- 0.5; 2.4	10.4	+- 0.6; 3.7	13.8	+- 2.2	
38	64	4.9	18.3	+- 0.5; 2.7	12.6	+- 0.6; 3.9	14.1	+- 2.6	
39	42	5.0	18.8	+- 0.6; 2.8	13.0	+- 0.6; 3.9	17.3	+- 2.8	
40	26	4.3	19.8	+- 0.6; 3.0	13.9	+- 0.6; 4.0	14.4	+- 2.3	
41	42	2.0	Missing Dosimeter		No Net Data			12.2	+- 2.0
42	21	1.6	21.4	+- 0.6; 3.2	15.4	+- 0.7; 4.1	16.2	+- 2.4	
43	8	2.6	22.3	+- 0.7; 3.3	16.2	+- 0.7; 4.2	17.4	+- 2.2	
44	37	13.0	25.0	+- 0.8; 3.8	18.7	+- 0.8; 4.5	20.8	+- 2.9	
45	78	19.0	28.6	+- 0.9; 4.3	22.0	+- 0.9; 4.9	23.1	+- 2.7	
46	94	19.0	21.5	+- 0.6; 3.2	15.4	+- 0.7; 4.1	17.4	+- 2.6	

Transit Dose = 4.5 +- 0.4; 3.2



MCGUIRE

For the period 950614-951018

## TLD Direct Radiation Environmental Monitoring

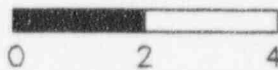
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	14.3 +- 2.6	2
11.26 - 33.75 NNE	14.7 +- 1.0	2
33.76 - 56.25 NE	15.9 +- 4.0	2
56.26 - 78.75 ENE	15.5 +- 5.6	3
78.76 - 101.25 E	11.8 +- 2.4	4
101.26 - 123.75 ESE	11.2 +- 2.0	2
123.76 - 146.25 SE	10.9 +- 0.8	3
146.26 - 168.75 SSE	10.8 +- 1.9	3
168.76 - 191.25 S	11.4 +- 0.5	3
191.26 - 213.75 SSW	14.2 +- 1.9	2
213.76 - 236.25 SW	16.4 +- 7.3	2
236.26 - 258.75 WSW	14.5 +- 1.4	3
258.76 - 281.25 W	14.3 +- 1.4	2
281.26 - 303.75 WNW	18.0 +- 3.3	3
303.76 - 326.25 NW	14.8 +- 0.3	2
326.26 - 348.75 NNW	14.5 +- 0.8	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	13.6 +- 2.9	11
2 - 5	13.1 +- 2.6	20
> 5	15.6 +- 4.2	9
Upwind Control	20.7 +- 2.3	3

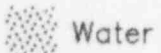
# NRC TLD DOSES FOR McGUIRE AREA



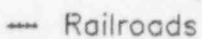
Miles



### Legend



Water



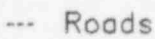
Railroads



Plant..site



Highways



Roads

## MILLSTONE

TLD Direct Radiation Environmental Monitoring

For the period 950615-951031 139 Days

Field Time: 99 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	1.0	24.9 +- 0.7; 3.7	19.6 +- 0.7; 4.4	19.7 +- 1.9
2	24	1.3	18.7 +- 0.6; 2.8	14.0 +- 0.6; 3.8	15.0 +- 1.7
3	47	1.5	24.1 +- 0.7; 3.6	18.9 +- 0.7; 4.4	19.6 +- 1.7
4	60	1.7	24.1 +- 0.7; 3.6	18.9 +- 0.7; 4.4	17.8 +- 1.9
5	85	1.3	24.0 +- 0.7; 3.6	18.8 +- 0.7; 4.3	18.8 +- 1.6
6	110	1.8	23.6 +- 0.7; 3.5	18.4 +- 0.7; 4.3	18.4 +- 1.7
7	67	5.3	24.4 +- 0.7; 3.7	19.1 +- 0.7; 4.4	19.6 +- 2.2
8	49	5.3	26.1 +- 0.8; 3.9	20.7 +- 0.8; 4.6	19.6 +- 1.9
9	84	5.2	23.4 +- 0.7; 3.5	18.3 +- 0.7; 4.3	17.8 +- 1.6
11	232	2.5	23.5 +- 0.7; 3.5	18.3 +- 0.7; 4.3	17.4 +- 1.7
12	256	2.4	26.2 +- 0.8; 3.9	20.8 +- 0.8; 4.6	19.8 +- 1.7
13	274	2.2	25.9 +- 0.8; 3.9	20.5 +- 0.8; 4.5	19.6 +- 1.9
14	295	1.9	26.5 +- 0.8; 4.0	21.0 +- 0.8; 4.6	20.6 +- 2.3
15	315	1.5	20.6 +- 0.6; 3.1	15.7 +- 0.6; 4.0	15.7 +- 1.8
16	339	1.2	23.4 +- 0.7; 3.5	18.3 +- 0.7; 4.3	19.7 +- 1.6
17	353	3.5	24.8 +- 0.7; 3.7	19.5 +- 0.7; 4.4	18.5 +- 1.9
18	24	3.5	25.1 +- 0.8; 3.8	19.8 +- 0.8; 4.5	19.2 +- 2.0
19	33	3.0	28.8 +- 0.9; 4.3	23.2 +- 0.8; 4.9	20.5 +- 2.3
20	82	4.0	22.7 +- 0.7; 3.4	17.6 +- 0.7; 4.2	17.9 +- 1.2
22	59	3.7	23.4 +- 0.7; 3.5	18.2 +- 0.7; 4.3	20.1 +- 1.9
28	257	5.8	30.1 +- 0.9; 4.5	24.4 +- 0.9; 5.0	21.6 +- 3.0
29	272	3.7	28.3 +- 0.8; 4.2	22.7 +- 0.8; 4.8	21.3 +- 2.2
30	295	3.5	26.0 +- 0.8; 3.9	20.6 +- 0.8; 4.6	20.9 +- 2.0
31	317	3.6	24.2 +- 0.7; 3.6	19.0 +- 0.7; 4.4	18.1 +- 1.8
32	327	4.3	28.0 +- 0.8; 4.2	22.4 +- 0.8; 4.8	21.3 +- 1.9
33	41	4.7	25.9 +- 0.8; 3.9	20.5 +- 0.8; 4.5	19.4 +- 1.7
34	54	5.5	26.8 +- 0.8; 4.0	21.3 +- 0.8; 4.6	20.7 +- 2.0
37	354	6.8	24.4 +- 0.7; 3.7	19.1 +- 0.7; 4.4	19.0 +- 1.7
39	1	5.7	24.0 +- 0.7; 3.6	18.8 +- 0.7; 4.3	18.5 +- 1.6
40	278	8.7	21.8 +- 0.7; 3.3	16.8 +- 0.7; 4.1	16.6 +- 1.8
41	34	11.0	29.2 +- 0.9; 4.4	23.5 +- 0.9; 4.9	24.0 +- 2.0
42	84	8.0	25.5 +- 0.8; 3.8	20.1 +- 0.8; 4.5	18.9 +- 1.8
46	41	0.6	23.9 +- 0.7; 3.6	18.7 +- 0.7; 4.3	18.3 +- 1.8
48	4	40.0	29.9 +- 0.9; 4.5	24.2 +- 0.9; 5.0	23.9 +- 2.6
49	4	40.0	29.6 +- 0.9; 4.4	23.9 +- 0.9; 4.9	24.0 +- 2.6

Transit Dose = 3.4 +- 0.3; 3.1

## MILLSTONE

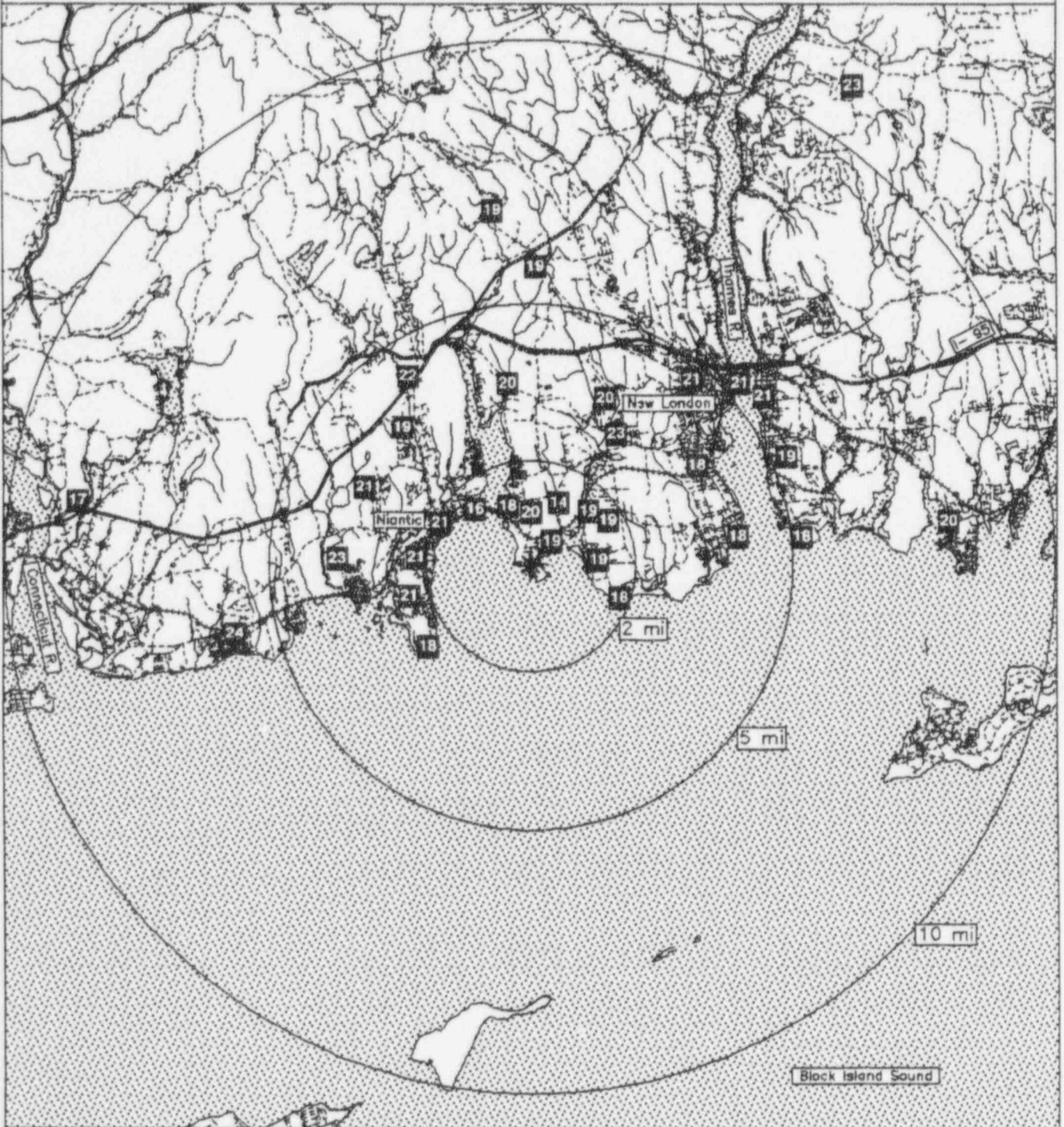
For the period 950615-951031

## TLD Direct Radiation Environmental Monitoring

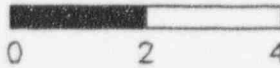
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	19.3 +- 0.4	4
11.26 - 33.75 NNE	19.0 +- 4.6	3
33.76 - 56.25 NE	20.6 +- 1.8	6
56.26 - 78.75 ENE	18.7 +- 0.5	3
78.76 - 101.25 E	18.7 +- 1.1	4
101.26 - 123.75 ESE	18.4 +- 0.0	1
123.76 - 146.25 SE	No Data +- No 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	18.3 +- 0.0	1
236.26 - 258.75 WSW	22.6 +- 2.5	2
258.76 - 281.25 W	20.0 +- 3.0	3
281.26 - 303.75 WNW	20.8 +- 0.3	2
303.76 - 326.25 NW	17.4 +- 2.3	2
326.26 - 348.75 NNW	20.3 +- 2.9	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	18.2 +- 2.0	10
2 - 5	20.2 +- 1.8	13
> 5	20.2 +- 2.3	10
Upwind Control	24.0 +- 0.2	2

# NRC TLD DOSES FOR MILLSTONE AREA



Miles



### Legend

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

## MONTICELLO

TLD Direct Radiation Environmental Monitoring

For the period 950612-951018 129 Days

Field Time: 90 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	21.4 +- 0.6; 3.2	17.4 +- 0.7; 4.3	16.7 +- 1.4
2	163	4.6	21.9 +- 0.7; 3.3	17.9 +- 0.7; 4.4	17.4 +- 1.3
3	183	4.1	21.5 +- 0.6; 3.2	17.5 +- 0.7; 4.4	17.8 +- 1.4
4	206	4.3	22.4 +- 0.7; 3.4	18.4 +- 0.8; 4.5	17.5 +- 1.4
5	230	4.2	22.5 +- 0.7; 3.4	18.6 +- 0.8; 4.5	18.9 +- 1.8
6	253	4.6	22.7 +- 0.7; 3.4	18.7 +- 0.8; 4.5	17.7 +- 1.5
7	269	4.4	21.3 +- 0.6; 3.2	17.4 +- 0.7; 4.3	17.1 +- 1.5
8	286	4.0	22.0 +- 0.7; 3.3	18.0 +- 0.7; 4.4	18.0 +- 1.5
9	274	1.9	21.0 +- 0.6; 3.2	17.0 +- 0.7; 4.3	16.9 +- 1.3
10	244	1.3	19.3 +- 0.6; 2.9	15.3 +- 0.7; 4.1	15.4 +- 1.4
11	226	0.9	21.4 +- 0.6; 3.2	17.5 +- 0.7; 4.4	16.7 +- 1.4
12	181	1.8	20.6 +- 0.6; 3.1	16.7 +- 0.7; 4.3	17.0 +- 1.4
13	137	1.7	20.9 +- 0.6; 3.1	17.0 +- 0.7; 4.3	17.0 +- 1.4
14	155	1.0	22.3 +- 0.7; 3.3	18.4 +- 0.8; 4.5	17.0 +- 1.2
15	208	0.6	21.3 +- 0.6; 3.2	17.3 +- 0.7; 4.3	16.5 +- 1.3
16	284	2.0	21.0 +- 0.6; 3.2	17.1 +- 0.7; 4.3	16.5 +- 1.2
17	113	1.6	21.2 +- 0.6; 3.2	17.3 +- 0.7; 4.3	16.8 +- 1.7
18	85	1.1	Missing Dosimeter	No Net Data	16.5 +- 1.4
19	63	1.2	21.3 +- 0.6; 3.2	17.3 +- 0.7; 4.3	16.8 +- 1.5
20	37	1.7	22.0 +- 0.7; 3.3	18.0 +- 0.7; 4.4	16.8 +- 1.1
21	23	0.8	21.5 +- 0.6; 3.2	17.5 +- 0.7; 4.4	16.8 +- 1.3
22	354	0.7	21.8 +- 0.7; 3.3	17.9 +- 0.7; 4.4	17.2 +- 1.5
23	338	0.8	21.6 +- 0.6; 3.2	17.6 +- 0.7; 4.4	17.0 +- 1.5
24	307	1.8	21.4 +- 0.6; 3.2	17.5 +- 0.7; 4.4	16.9 +- 1.5
25	339	4.1	Missing Dosimeter	No Net Data	16.5 +- 1.4
26	320	6.0	21.0 +- 0.6; 3.1	17.0 +- 0.7; 4.3	16.5 +- 1.5
27	354	4.5	21.4 +- 0.6; 3.2	17.4 +- 0.7; 4.3	16.7 +- 1.5
28	17	3.7	20.2 +- 0.6; 3.0	16.2 +- 0.7; 4.2	15.8 +- 1.4
29	50	4.0	20.2 +- 0.6; 3.0	16.3 +- 0.7; 4.2	15.8 +- 1.5
30	77	3.6	21.4 +- 0.6; 3.2	17.4 +- 0.7; 4.3	16.9 +- 1.4
31	115	3.3	21.3 +- 0.6; 3.2	17.4 +- 0.7; 4.3	16.7 +- 1.3
32	90	4.6	20.0 +- 0.6; 3.0	16.1 +- 0.7; 4.2	15.8 +- 1.9
33	323	16.0	20.7 +- 0.6; 3.1	16.8 +- 0.7; 4.3	16.5 +- 1.5
34	323	16.0	21.2 +- 0.6; 3.2	17.3 +- 0.7; 4.3	16.4 +- 1.4
35	323	16.0	21.1 +- 0.6; 3.2	17.2 +- 0.7; 4.3	17.2 +- 1.5

Transit Dose = 4.0 +- 0.3; 2.9

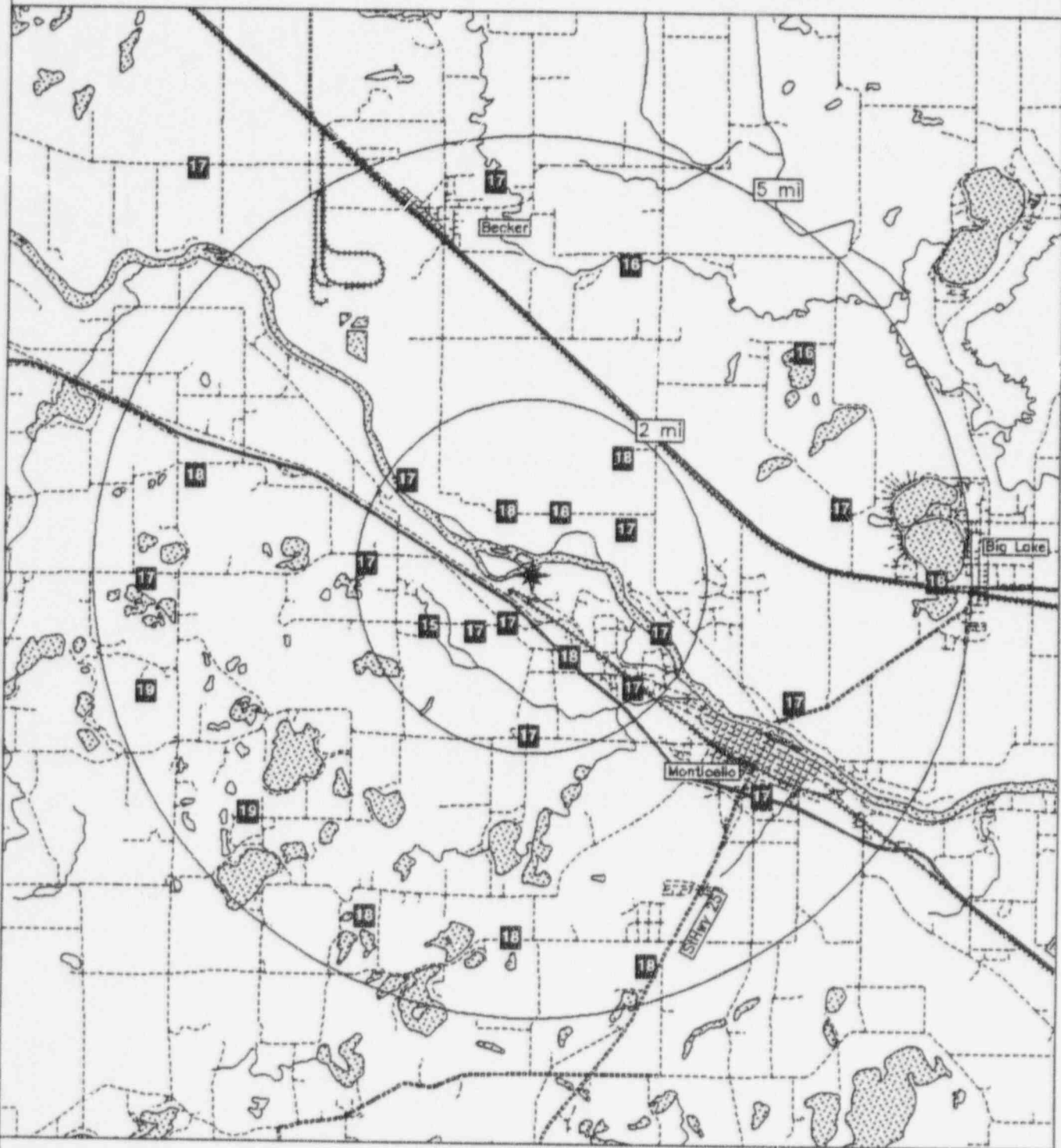
MONTICELLO  
For the period 950612-951018

## TLD Direct Radiation Environmental Monitoring

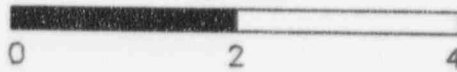
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	17.6 +- 0.4	2
11.26 - 33.75 NNE	16.9 +- 0.9	2
33.76 - 56.25 NE	17.1 +- 1.2	2
56.26 - 78.75 ENE	17.4 +- 0.0	2
78.76 - 101.25 E	16.1 +- 0.0	1
101.26 - 123.75 ESE	17.3 +- 0.1	2
123.76 - 146.25 SE	17.2 +- 0.3	2
146.26 - 168.75 SSE	18.1 +- 0.3	2
168.76 - 191.25 S	17.1 +- 0.6	2
191.26 - 213.75 SSW	17.9 +- 0.8	2
213.76 - 236.25 SW	18.0 +- 0.8	2
236.26 - 258.75 WSW	17.0 +- 2.4	2
258.76 - 281.25 W	17.2 +- 0.2	2
281.26 - 303.75 WNW	17.5 +- 0.7	2
303.76 - 326.25 NW	17.2 +- 0.3	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	17.3 +- 0.7	15
2 - 5	17.5 +- 0.8	14
> 5	17.0 +- 0.0	1
Upwind Control	17.1 +- 0.3	3

# NRC TLD DOSES FOR MONTICELLO AREA



Miles



### Legend



Water

Highways

Railroads

Roads



Plant..site



## NORTH ANNA

TLD Direct Radiation Environmental Monitoring

For the period 950614-951024 133 Days

Field Time: 92 Days

NRC Sta	Location		Gross Exposure (mR)		Net Exposure Rate (mR/Std. Qtr.)		Hist. Range Net Exp Rate	
	Azimuth/ (Deg)	Dist (Mi)	+-Rdm; Tot.		+-Rdm; Tot.		+-1 Std Dev	
1	243	1.8	27.4	+- 0.8; 4.1	22.2	+- 0.9; 5.0	21.0	+- 1.5
2	263	1.6	22.6	+- 0.7; 3.4	17.5	+- 0.8; 4.5	17.7	+- 1.4
3	296	1.0	22.6	+- 0.7; 3.4	17.5	+- 0.8; 4.5	17.9	+- 1.5
4	311	1.3	28.9	+- 0.9; 4.3	23.7	+- 0.9; 5.2	22.3	+- 1.4
5	329	1.3	24.8	+- 0.7; 3.7	19.7	+- 0.8; 4.7	19.0	+- 1.3
6	231	3.9	27.5	+- 0.8; 4.1	22.3	+- 0.9; 5.0	20.5	+- 1.3
7	224	1.7	26.5	+- 0.8; 4.0	21.3	+- 0.9; 4.9	19.9	+- 1.4
8	210	1.6	24.4	+- 0.7; 3.7	19.2	+- 0.8; 4.7	18.2	+- 1.3
9	181	1.4	21.5	+- 0.6; 3.2	16.4	+- 0.7; 4.3	16.1	+- 1.3
10	155	1.0	28.9	+- 0.9; 4.3	23.7	+- 0.9; 5.2	23.9	+- 1.5
11	136	1.6	23.6	+- 0.7; 3.5	18.5	+- 0.8; 4.6	18.2	+- 1.6
12	163	3.5	24.4	+- 0.7; 3.7	19.3	+- 0.8; 4.7	19.3	+- 1.4
13	190	3.3	23.3	+- 0.7; 3.5	18.2	+- 0.8; 4.5	17.6	+- 1.3
14	205	4.9	21.9	+- 0.7; 3.3	16.9	+- 0.7; 4.4	16.9	+- 1.2
15	140	4.2	25.2	+- 0.8; 3.8	20.1	+- 0.8; 4.8	19.1	+- 1.2
16	113	4.9	28.5	+- 0.9; 4.3	23.2	+- 0.9; 5.1	22.8	+- 1.6
17	93	3.3	21.0	+- 0.6; 3.2	16.0	+- 0.7; 4.3	16.1	+- 1.2
18	64	4.1	24.4	+- 0.7; 3.7	19.3	+- 0.8; 4.7	19.2	+- 1.4
19	78	2.7	35.5	+- 1.1; 5.3	30.1	+- 1.1; 6.0	28.5	+- 1.4
20	97	1.9	25.6	+- 0.8; 3.8	20.5	+- 0.8; 4.8	20.3	+- 1.7
21	105	1.7	21.9	+- 0.7; 3.3	16.8	+- 0.7; 4.4	16.7	+- 1.3
22	60	2.4	22.6	+- 0.7; 3.4	17.5	+- 0.8; 4.5	17.1	+- 1.3
23	37	1.4	23.8	+- 0.7; 3.6	18.7	+- 0.8; 4.6	18.9	+- 1.3
24	16	1.6	29.3	+- 0.9; 4.4	24.1	+- 0.9; 5.2	23.8	+- 1.5
25	48	3.5	21.1	+- 0.6; 3.2	16.1	+- 0.7; 4.3	15.9	+- 1.9
26	17	3.7	24.4	+- 0.7; 3.7	19.2	+- 0.8; 4.7	19.3	+- 1.4
27	3	4.8	23.6	+- 0.7; 3.5	18.5	+- 0.8; 4.6	17.2	+- 1.3
28	348	4.0	23.6	+- 0.7; 3.5	18.5	+- 0.8; 4.6	17.3	+- 1.3
29	2	1.9	21.7	+- 0.7; 3.3	16.7	+- 0.7; 4.4	16.8	+- 1.1
30	284	5.0	22.0	+- 0.7; 3.3	17.0	+- 0.7; 4.4	17.2	+- 1.4
31	310	4.7	24.7	+- 0.7; 3.7	19.6	+- 0.8; 4.7	20.2	+- 1.7
32	273	4.9	19.8	+- 0.6; 3.0	14.8	+- 0.7; 4.2	14.3	+- 1.7
33	257	5.1	23.4	+- 0.7; 3.5	18.3	+- 0.8; 4.6	18.4	+- 1.7
34	242	7.1	23.5	+- 0.7; 3.5	18.4	+- 0.8; 4.6	19.2	+- 1.6
35	255	11.0	23.3	+- 0.7; 3.5	18.2	+- 0.8; 4.5	18.2	+- 1.8
36	248	15.0	24.4	+- 0.7; 3.7	19.2	+- 0.8; 4.7	18.3	+- 1.3
37	247	17.0	24.4	+- 0.7; 3.7	19.3	+- 0.8; 4.7	17.6	+- 1.3
38	244	19.0	21.9	+- 0.7; 3.3	16.8	+- 0.7; 4.4	16.7	+- 1.6

Transit Dose = 4.7 +- 0.4; 3.1

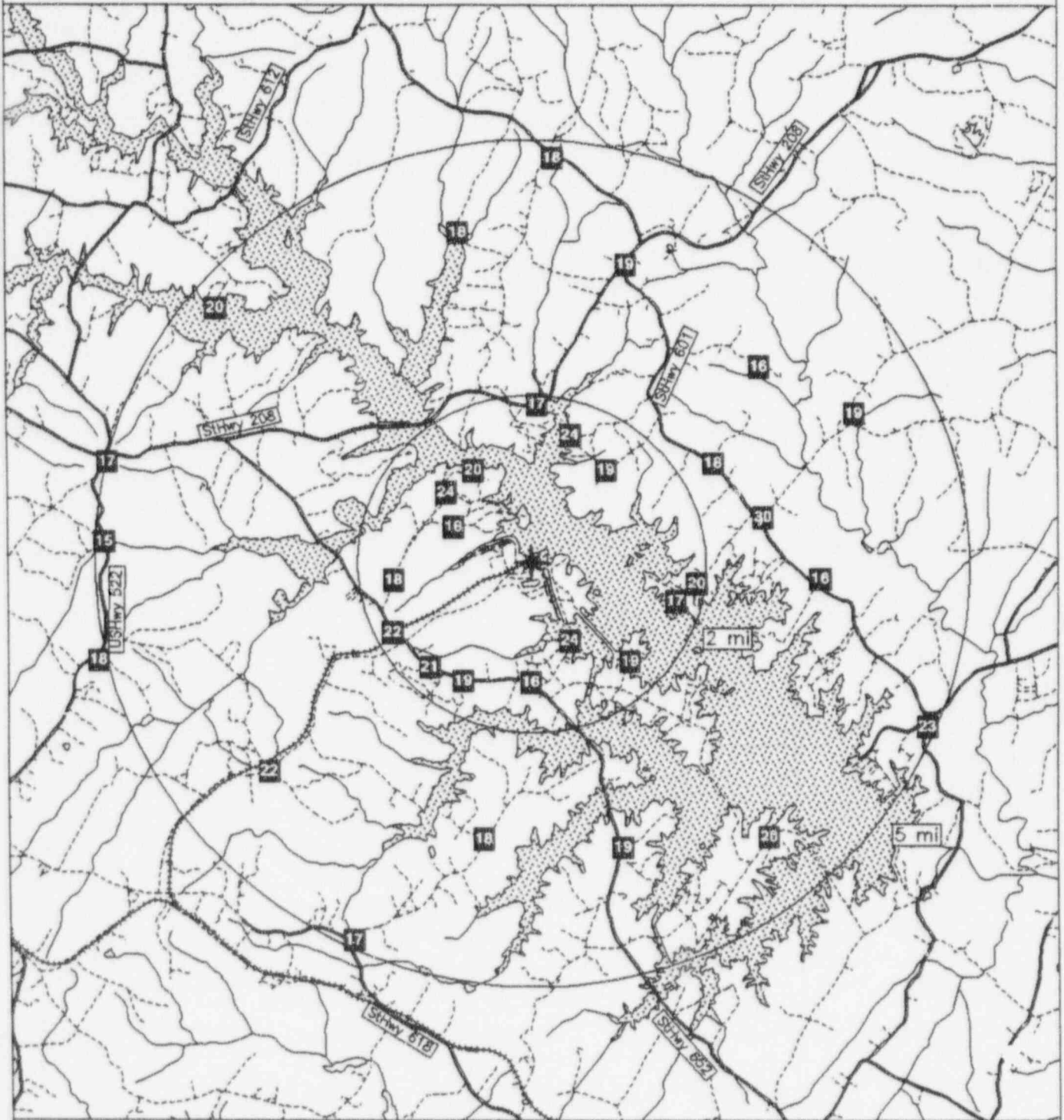
NORTH ANNA  
For the period 950614-951024

TLD Direct Radiation Environmental Monitoring

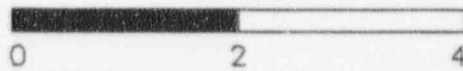
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	17.6 +- 1.3	2
11.26 - 33.75 NNE	21.7 +- 3.4	2
33.76 - 56.25 NE	17.4 +- 1.8	2
56.26 - 78.75 ENE	22.3 +- 6.8	3
78.76 - 101.25 E	18.2 +- 3.2	2
101.26 - 123.75 ESE	20.0 +- 4.5	2
123.76 - 146.25 SE	19.3 +- 1.1	2
146.26 - 168.75 SSE	21.5 +- 3.2	2
168.76 - 191.25 S	17.3 +- 1.3	2
191.26 - 213.75 SSW	18.0 +- 1.7	2
213.76 - 236.25 SW	21.8 +- 0.7	2
236.26 - 258.75 WSW	19.3 +- 2.0	4
258.76 - 281.25 W	16.2 +- 1.9	2
281.26 - 303.75 WNW	17.3 +- 0.4	2
303.76 - 326.25 NW	21.6 +- 2.9	2
326.26 - 348.75 NNW	19.1 +- 0.9	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	19.8 +- 2.7	15
2 - 5	19.2 +- 3.5	17
> 5	18.3 +- 0.1	3
Upwind Control	18.4 +- 1.4	3

# NRC TLD DOSES FOR NORTH ANNA AREA



Miles



### Legend



Water



Highways

--- Railroads

--- Roads



Plant..site

## OCONEE

TLD Direct Radiation Environmental Monitoring  
 For the period 950614-951018 127 Days  
 Field Time: 95 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	158	7.5	27.3 +- 0.8; 4.1	23.4 +- 0.8; 4.8	22.4 +- 2.1
2	133	4.9	30.5 +- 0.9; 4.6	26.4 +- 0.9; 5.2	25.1 +- 1.8
3	119	4.3	30.4 +- 0.9; 4.6	26.3 +- 0.9; 5.1	24.3 +- 1.7
4	84	4.7	30.2 +- 0.9; 4.5	26.1 +- 0.9; 5.1	24.4 +- 1.3
5	65	4.0	30.1 +- 0.9; 4.5	26.1 +- 0.9; 5.1	23.4 +- 2.3
6	52	1.8	28.7 +- 0.9; 4.3	24.7 +- 0.9; 4.9	24.5 +- 1.9
7	22	3.5	29.8 +- 0.9; 4.5	25.8 +- 0.9; 5.1	24.9 +- 1.7
8	33	1.4	30.5 +- 0.9; 4.6	26.4 +- 0.9; 5.2	24.5 +- 2.3
9	52	1.8	25.1 +- 0.8; 3.8	21.3 +- 0.8; 4.5	19.6 +- 1.5
10	67	1.1	24.1 +- 0.7; 3.6	20.3 +- 0.7; 4.4	17.3 +- 2.2
11	107	1.9	23.7 +- 0.7; 3.6	20.0 +- 0.7; 4.4	19.0 +- 1.5
12	87	1.0	28.2 +- 0.8; 4.2	24.2 +- 0.9; 4.9	21.8 +- 1.8
13	142	0.7	27.7 +- 0.8; 4.2	23.8 +- 0.8; 4.8	22.5 +- 1.5
14	166	0.7	22.8 +- 0.7; 3.4	19.2 +- 0.7; 4.3	19.2 +- 2.1
15	226	1.7	27.0 +- 0.8; 4.1	23.2 +- 0.8; 4.8	21.6 +- 1.7
16	207	1.4	25.6 +- 0.8; 3.8	21.8 +- 0.8; 4.6	21.2 +- 1.3
17	182	2.2	22.7 +- 0.7; 3.4	19.1 +- 0.7; 4.3	18.1 +- 1.6
18	186	3.8	23.8 +- 0.7; 3.6	20.1 +- 0.7; 4.4	19.2 +- 1.2
19	155	4.1	29.8 +- 0.9; 4.5	25.8 +- 0.9; 5.1	23.6 +- 0.9
20	203	8.4	22.1 +- 0.7; 3.3	18.5 +- 0.7; 4.2	18.0 +- 2.0
21	210	4.6	24.1 +- 0.7; 3.6	20.4 +- 0.7; 4.4	19.2 +- 1.7
22	227	4.8	27.5 +- 0.8; 4.1	23.6 +- 0.8; 4.8	21.3 +- 2.7
23	240	3.6	25.6 +- 0.8; 3.8	21.8 +- 0.8; 4.6	19.9 +- 2.3
24	268	3.6	28.8 +- 0.9; 4.3	24.8 +- 0.9; 5.0	23.7 +- 1.6
25	257	1.9	22.8 +- 0.7; 3.4	19.1 +- 0.7; 4.3	18.7 +- 1.9
26	293	3.6	25.7 +- 0.8; 3.9	21.9 +- 0.8; 4.6	20.9 +- 1.9
27	311	3.5	22.5 +- 0.7; 3.4	18.9 +- 0.7; 4.3	17.8 +- 1.1
28	288	2.0	24.4 +- 0.7; 3.7	20.6 +- 0.8; 4.5	19.8 +- 1.6
29	275	1.8	23.8 +- 0.7; 3.6	20.1 +- 0.7; 4.4	18.9 +- 1.2
30	321	1.8	27.1 +- 0.8; 4.1	23.2 +- 0.8; 4.8	21.4 +- 1.6
31	344	2.0	21.7 +- 0.7; 3.3	18.1 +- 0.7; 4.2	17.0 +- 1.6
32	336	3.7	31.8 +- 1.0; 4.8	27.7 +- 1.0; 5.3	25.6 +- 2.1
33	358	4.5	25.7 +- 0.8; 3.9	21.9 +- 0.8; 4.6	21.1 +- 2.0
34	256	9.4	33.6 +- 1.0; 5.0	29.4 +- 1.0; 5.5	27.3 +- 2.0
35	149	21.0	27.9 +- 0.8; 4.2	24.0 +- 0.8; 4.9	22.4 +- 2.1
36	126	8.2	29.7 +- 0.9; 4.5	25.7 +- 0.9; 5.1	24.3 +- 1.9
37	96	9.7	30.6 +- 0.9; 4.6	26.6 +- 0.9; 5.2	24.0 +- 1.5
38	32	16.0	36.0 +- 1.1; 5.4	31.7 +- 1.1; 5.8	29.8 +- 2.9
39	31	16.0	29.5 +- 0.9; 4.4	25.5 +- 0.9; 5.0	24.9 +- 2.7
40	29	16.0	32.1 +- 1.0; 4.8	27.9 +- 1.0; 5.4	26.9 +- 1.6

Transit Dose = 2.6 +- 0.3; 3.0

OCONEE

For the period 950614-951018

## TLD Direct Radiation Environmental Monitoring

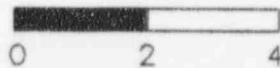
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	21.9 +- 0.0	1
11.26 - 33.75 NNE	26.1 +- 0.5	2
33.76 - 56.25 NE	23.0 +- 2.4	2
56.26 - 78.75 ENE	23.2 +- 4.1	2
78.76 - 101.25 E	25.6 +- 1.2	3
101.26 - 123.75 ESE	23.2 +- 4.4	2
123.76 - 146.25 SE	25.3 +- 1.4	3
146.26 - 168.75 SSE	23.1 +- 2.8	4
168.76 - 191.25 S	19.6 +- 0.8	2
191.26 - 213.75 SSW	20.2 +- 1.7	3
213.76 - 236.25 SW	23.4 +- 0.3	2
236.26 - 258.75 WSW	23.4 +- 5.3	3
258.76 - 281.25 W	22.5 +- 3.3	2
281.26 - 303.75 WNW	21.3 +- 0.9	2
303.76 - 326.25 NW	21.1 +- 3.1	2
326.26 - 348.75 NNW	22.9 +- 6.7	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	21.7 +- 2.4	15
2 - 5	23.5 +- 2.9	16
> 5	24.6 +- 3.6	6
Upwind Control	28.4 +- 3.1	3

# NRC TLD DOSES FOR OCONEE AREA



Miles



## Legend



Water

Highways

Railroads

Roads



Plant site

## OYSTER CREEK

TLD Direct Radiation Environmental Monitoring

For the period 950615-951017 125 Days

Field Time: 90 Days

NRC Sta	Location		Gross Exposure (mR)		Net Exposure Rate (mR/Std. Qtr.)			Hist. Range Net Exp Rate	
	Azimuth/Dist (Deg)/(Mi)		+-Rdm; Tot.		+-Rdm; Tot.			+-1 Std Dev	
1	141	0.5	12.9	+- 0.4; 1.9	10.7	+- 0.5; 3.4	11.3	+- 1.1	
2	120	0.9	12.8	+- 0.4; 1.9	10.7	+- 0.5; 3.4	11.2	+- 1.1	
3	105	1.5	14.3	+- 0.4; 2.1	12.1	+- 0.5; 3.5	12.3	+- 0.8	
4	127	1.5	12.2	+- 0.4; 1.8	10.1	+- 0.5; 3.3	11.2	+- 0.7	
5	137	1.3	15.0	+- 0.4; 2.2	12.8	+- 0.5; 3.6	11.7	+- 1.1	
6	158	1.2	14.0	+- 0.4; 2.1	11.8	+- 0.5; 3.5	11.4	+- 0.7	
7	176	2.2	14.7	+- 0.4; 2.2	12.6	+- 0.5; 3.6	12.0	+- 1.0	
8	179	1.6	13.8	+- 0.4; 2.1	11.6	+- 0.5; 3.5	11.7	+- 0.8	
9	159	2.8	12.6	+- 0.4; 1.9	10.5	+- 0.5; 3.4	10.6	+- 0.8	
10	187	8.4	13.3	+- 0.4; 2.0	11.1	+- 0.5; 3.4	11.7	+- 1.1	
11	173	4.4	13.6	+- 0.4; 2.0	11.4	+- 0.5; 3.4	11.7	+- 0.8	
12	196	4.2	13.5	+- 0.4; 2.0	11.4	+- 0.5; 3.4	11.8	+- 0.9	
13	198	8.6	12.9	+- 0.4; 1.9	10.7	+- 0.5; 3.4	10.9	+- 0.7	
14	185	10.0	14.2	+- 0.4; 2.1	12.0	+- 0.5; 3.5	13.4	+- 0.9	
15	171	11.0	13.2	+- 0.4; 2.0	11.0	+- 0.5; 3.4	11.4	+- 0.9	
16	154	8.2	13.9	+- 0.4; 2.1	11.8	+- 0.5; 3.5	11.7	+- 1.0	
17	126	6.3	15.3	+- 0.5; 2.3	13.1	+- 0.5; 3.6	12.4	+- 0.9	
18	220	4.6	14.5	+- 0.4; 2.2	12.3	+- 0.5; 3.5	11.2	+- 1.0	
19	231	2.3	13.0	+- 0.4; 2.0	10.9	+- 0.5; 3.4	11.4	+- 0.8	
20	211	1.6	13.3	+- 0.4; 2.0	11.1	+- 0.5; 3.4	10.8	+- 0.7	
22	258	1.5	13.9	+- 0.4; 2.1	11.8	+- 0.5; 3.5	11.3	+- 0.8	
23	271	1.2	12.5	+- 0.4; 1.9	10.4	+- 0.5; 3.4	11.0	+- 0.8	
24	297	1.3	13.3	+- 0.4; 2.0	11.2	+- 0.5; 3.4	11.7	+- 1.0	
25	318	1.5	12.1	+- 0.4; 1.8	9.9	+- 0.5; 3.3	10.7	+- 0.7	
26	341	3.2	14.2	+- 0.4; 2.1	12.0	+- 0.5; 3.5	12.9	+- 1.1	
27	330	4.6	14.0	+- 0.4; 2.1	11.9	+- 0.5; 3.5	11.9	+- 0.9	
28	358	3.2	14.1	+- 0.4; 2.1	11.9	+- 0.5; 3.5	11.0	+- 0.6	
29	4	1.8	13.5	+- 0.4; 2.0	11.4	+- 0.5; 3.4	11.5	+- 0.7	
30	19	0.8	13.3	+- 0.4; 2.0	11.2	+- 0.5; 3.4	11.4	+- 0.7	
31	69	1.4	14.1	+- 0.4; 2.1	12.0	+- 0.5; 3.5	12.1	+- 1.5	
32	78	2.5	14.3	+- 0.4; 2.1	12.1	+- 0.5; 3.5	10.7	+- 0.8	
33	85	2.2	13.1	+- 0.4; 2.0	11.0	+- 0.5; 3.4	10.8	+- 0.9	
34	38	1.7	13.6	+- 0.4; 2.0	11.5	+- 0.5; 3.5	11.3	+- 0.6	
35	24	1.9	13.4	+- 0.4; 2.0	11.2	+- 0.5; 3.4	12.2	+- 1.0	
36	50	3.0	13.0	+- 0.4; 2.0	10.9	+- 0.5; 3.4	12.2	+- 1.5	
37	46	4.8	11.7	+- 0.4; 1.8	9.5	+- 0.5; 3.3	10.9	+- 1.1	
38	27	4.0	14.3	+- 0.4; 2.1	12.1	+- 0.5; 3.5	12.4	+- 0.7	
39	12	8.9	14.0	+- 0.4; 2.1	11.9	+- 0.5; 3.5	12.1	+- 0.9	
40	10	8.7	13.4	+- 0.4; 2.0	11.3	+- 0.5; 3.4	11.1	+- 0.6	
41	3	9.9	Missing Dosimeter		No Net Data			11.8	+- 0.8
42	38	10.0	14.4	+- 0.4; 2.2	12.2	+- 0.5; 3.5	12.1	+- 0.8	
43	46	9.1	16.4	+- 0.5; 2.5	14.3	+- 0.6; 3.7	14.1	+- 0.8	
44	73	6.5	13.5	+- 0.4; 2.0	11.3	+- 0.5; 3.4	10.8	+- 0.5	
45	79	6.0	15.0	+- 0.4; 2.2	12.8	+- 0.5; 3.6	12.2	+- 0.7	
46	278	20.0	14.5	+- 0.4; 2.2	12.3	+- 0.5; 3.5	12.4	+- 0.7	
47	278	20.0	14.6	+- 0.4; 2.2	12.4	+- 0.5; 3.5	12.5	+- 0.5	

Transit Dose = 2.2 +- 0.3; 2.8

OYSTER CREEK  
For the period 950615-951017

## TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	11.5 +- 0.3	3
11.26 - 33.75 NNE	11.6 +- 0.5	4
33.76 - 56.25 NE	11.7 +- 1.7	5
56.26 - 78.75 ENE	11.8 +- 0.4	3
78.76 - 101.25 E	11.9 +- 1.3	2
101.26 - 123.75 ESE	11.4 +- 1.0	2
123.76 - 146.25 SE	11.7 +- 1.5	4
146.26 - 168.75 SSE	11.3 +- 0.8	3
168.76 - 191.25 S	11.6 +- 0.6	6
191.26 - 213.75 SSW	11.1 +- 0.3	3
213.76 - 236.25 SW	11.6 +- 1.0	2
236.26 - 258.75 WSW	11.8 +- 0.0	1
258.76 - 281.25 W	10.4 +- 0.0	1
281.26 - 303.75 WNW	11.2 +- 0.0	1
303.76 - 326.25 NW	9.9 +- 0.0	1
326.26 - 348.75 NNW	11.9 +- 0.1	2

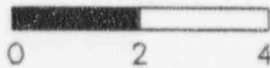
Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	11.3 +- 0.8	17
2 - 5	11.5 +- 0.8	14
> 5	12.0 +- 1.0	12
Upwind Control	12.4 +- 0.1	2



# NRC TLD DOSES FOR OYSTER CREEK AREA



Miles



## Legend



Water



Highways



Railroads



Roads



Plant..site

## PALISADES

TLD Direct Radiation Environmental Monitoring

For the period 950612-951025 136 Days

Field Time: 93 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	195	4.9	15.7 +- 0.5; 2.4	12.0 +- 0.6; 3.7	13.1 +- 1.2
2	173	4.6	18.5 +- 0.6; 2.8	14.7 +- 0.6; 3.9	13.5 +- 1.5
3	156	3.9	18.2 +- 0.5; 2.7	14.4 +- 0.6; 3.9	14.7 +- 1.5
4	132	4.6	17.5 +- 0.5; 2.6	13.8 +- 0.6; 3.8	13.8 +- 1.4
5	118	3.3	18.0 +- 0.5; 2.7	14.2 +- 0.6; 3.9	14.7 +- 1.5
6	152	1.8	17.9 +- 0.5; 2.7	14.1 +- 0.6; 3.9	13.3 +- 1.5
7	196	2.2	17.7 +- 0.5; 2.7	13.9 +- 0.6; 3.8	13.1 +- 1.4
8	178	1.6	17.6 +- 0.5; 2.6	13.8 +- 0.6; 3.8	13.9 +- 1.7
9	200	0.9	17.2 +- 0.5; 2.6	13.4 +- 0.6; 3.8	13.5 +- 1.5
10	124	1.8	17.6 +- 0.5; 2.6	13.9 +- 0.6; 3.8	13.7 +- 2.1
11	107	1.6	17.9 +- 0.5; 2.7	14.1 +- 0.6; 3.9	14.2 +- 1.4
12	90	1.5	17.5 +- 0.5; 2.6	13.8 +- 0.6; 3.8	13.0 +- 1.4
13	65	1.7	16.5 +- 0.5; 2.5	12.8 +- 0.6; 3.7	13.7 +- 1.5
14	51	1.9	17.2 +- 0.5; 2.6	13.5 +- 0.6; 3.8	13.3 +- 1.0
15	74	3.7	16.8 +- 0.5; 2.5	13.0 +- 0.6; 3.8	12.7 +- 1.6
16	90	3.6	15.7 +- 0.5; 2.3	12.0 +- 0.6; 3.7	12.6 +- 1.8
17	98	10.0	18.6 +- 0.6; 2.8	14.8 +- 0.6; 3.9	14.7 +- 1.4
18	47	4.5	20.2 +- 0.6; 3.0	16.3 +- 0.7; 4.1	15.4 +- 1.2
19	23	1.5	18.0 +- 0.5; 2.7	14.3 +- 0.6; 3.9	12.7 +- 1.7
20	32	4.8	19.5 +- 0.6; 2.9	15.7 +- 0.6; 4.0	15.2 +- 1.6
21	29	7.0	16.8 +- 0.5; 2.5	13.0 +- 0.6; 3.8	14.4 +- 1.0
22	99	15.0	19.1 +- 0.6; 2.9	15.3 +- 0.6; 4.0	14.8 +- 1.5
23	98	18.0	18.2 +- 0.5; 2.7	14.4 +- 0.5; 3.9	14.8 +- 1.3
24	98	18.0	18.0 +- 0.5; 2.7	14.2 +- 0.6; 3.9	14.6 +- 1.4

Transit Dose = 3.3 +- 0.3; 3.0

## PALISADES

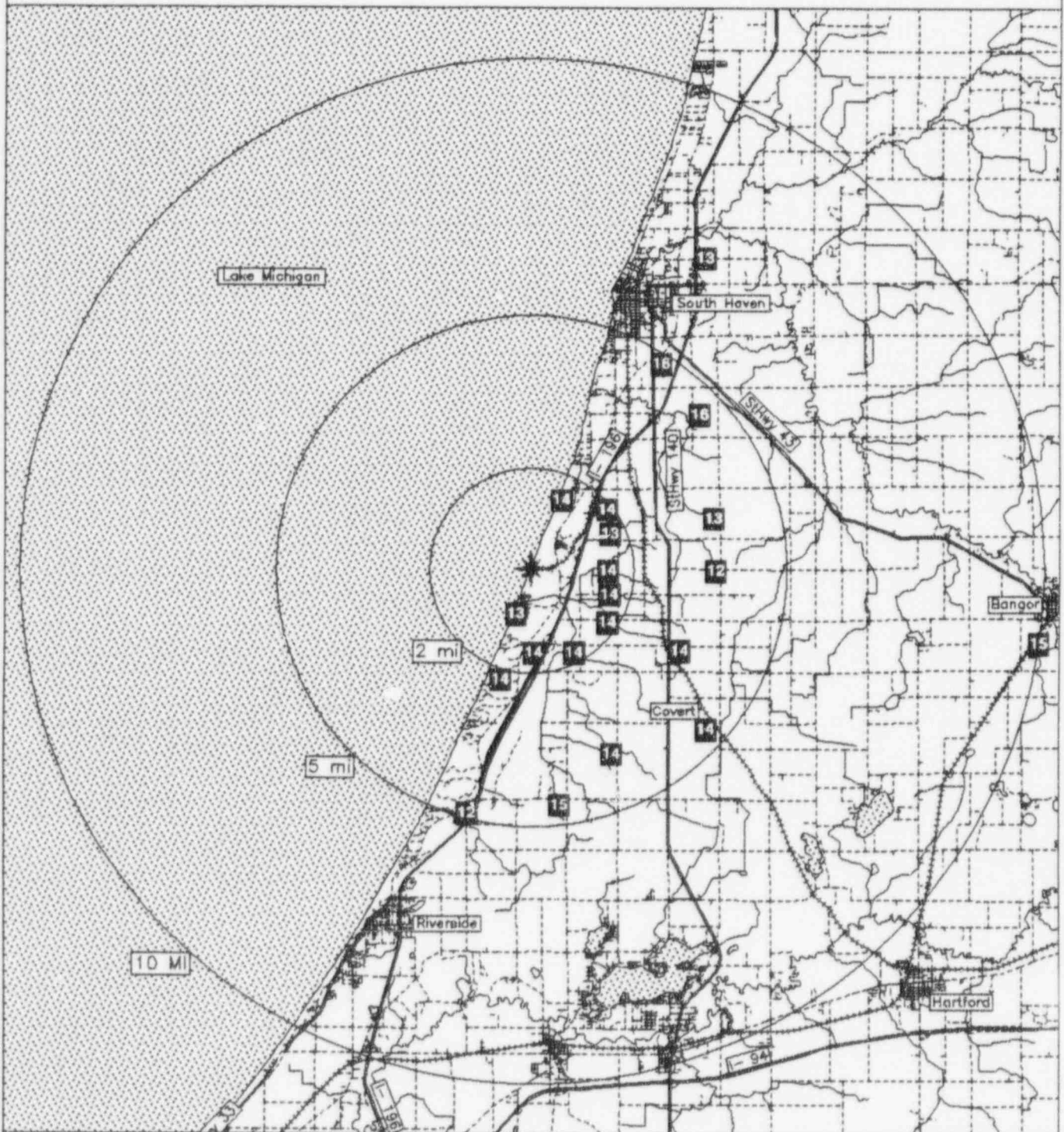
For the period 950612-951025

## TLD Direct Radiation Environmental Monitoring

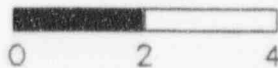
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	No Data +- No Data	0
11.26 - 33.75 NNE	14.3 +- 1.3	3
33.76 - 56.25 NE	14.9 +- 2.0	2
56.26 - 78.75 ENE	12.9 +- 0.1	2
78.76 - 101.25 E	13.5 +- 1.4	3
101.26 - 123.75 ESE	14.2 +- 0.0	2
123.76 - 146.25 SE	13.8 +- 0.1	2
146.26 - 168.75 SSE	14.2 +- 0.2	2
168.76 - 191.25 S	14.2 +- 0.6	2
191.26 - 213.75 SSW	13.1 +- 1.0	3
213.76 - 236.25 SW	No Data +- No Data	0
236.26 - 258.75 WSW	No Data +- No Data	0
258.76 - 281.25 W	No Data +- No Data	0
281.26 - 303.75 WNW	No Data +- No Data	0
303.76 - 326.25 NW	No Data +- No Data	0
326.26 - 348.75 NNW	No Data +- No Data	0

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	13.7 +- 0.4	9
2 - 5	14.0 +- 1.4	10
> 5	13.9 +- 1.2	2
Upwind Control	14.6 +- 0.6	3

# NRC TLD DOSES FOR PALISADES AREA



Miles



### Legend

Water

Highways

Railroads

Roads

Plant site

## PALO VERDE

TLD Direct Radiation Environmental Monitoring

For the period 950611-951019 131 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	74	23.0	25.1 +- 0.8; 3.8	21.3 +- 0.8; 4.7	20.1 +- 1.4
2	92	21.0	24.4 +- 0.7; 3.7	20.6 +- 0.8; 4.6	20.6 +- 1.5
3	89	15.0	23.8 +- 0.7; 3.6	20.0 +- 0.8; 4.6	20.1 +- 1.5
4	103	11.0	24.2 +- 0.7; 3.6	20.4 +- 0.8; 4.6	20.2 +- 1.6
5	140	7.4	26.1 +- 0.8; 3.9	22.3 +- 0.8; 4.8	21.5 +- 1.6
6	142	3.1	26.4 +- 0.8; 4.0	22.6 +- 0.9; 4.9	20.6 +- 1.5
7	162	2.6	24.7 +- 0.7; 3.7	20.9 +- 0.8; 4.7	20.6 +- 1.5
8	168	2.6	26.4 +- 0.8; 4.0	22.6 +- 0.9; 4.9	20.8 +- 1.6
9	193	2.6	25.8 +- 0.8; 3.9	22.0 +- 0.8; 4.8	22.2 +- 1.5
10	215	3.1	26.2 +- 0.8; 3.9	22.4 +- 0.8; 4.8	22.1 +- 1.6
11	200	1.7	26.8 +- 0.8; 4.0	23.0 +- 0.9; 4.9	22.2 +- 1.5
12	214	1.0	26.4 +- 0.8; 4.0	22.6 +- 0.8; 4.9	21.4 +- 1.4
13	242	0.7	26.9 +- 0.8; 4.0	23.1 +- 0.9; 4.9	23.4 +- 1.6
14	263	0.6	25.0 +- 0.8; 3.8	21.2 +- 0.8; 4.7	21.8 +- 1.6
15	295	0.6	27.3 +- 0.8; 4.1	23.5 +- 0.9; 5.0	21.4 +- 1.6
16	325	1.0	26.4 +- 0.8; 4.0	22.6 +- 0.8; 4.9	21.4 +- 1.4
17	347	1.8	26.9 +- 0.8; 4.0	23.1 +- 0.9; 4.9	22.3 +- 1.6
18	0	2.4	25.4 +- 0.8; 3.8	21.6 +- 0.8; 4.7	22.7 +- 1.4
19	18	1.5	Missing Dosimeter	No Net Data	20.2 +- 1.4
20	37	2.0	24.8 +- 0.7; 3.7	21.0 +- 0.8; 4.7	21.2 +- 1.2
21	58	2.3	25.1 +- 0.8; 3.8	21.4 +- 0.8; 4.7	22.3 +- 1.5
22	75	2.8	26.9 +- 0.8; 4.0	23.1 +- 0.9; 4.9	22.7 +- 1.3
23	93	4.4	26.7 +- 0.8; 4.0	22.9 +- 0.9; 4.9	21.9 +- 1.6
24	101	3.3	26.2 +- 0.8; 3.9	22.4 +- 0.8; 4.8	21.7 +- 2.1
25	346	2.9	26.4 +- 0.8; 4.0	22.6 +- 0.8; 4.9	21.6 +- 1.4
26	334	4.3	28.6 +- 0.9; 4.3	24.7 +- 0.9; 5.1	24.2 +- 1.5
27	333	7.9	31.3 +- 0.9; 4.7	27.5 +- 1.0; 5.5	24.8 +- 2.3
28	0	7.0	27.5 +- 0.8; 4.1	23.7 +- 0.9; 5.0	22.6 +- 1.6
29	9	4.2	27.0 +- 0.8; 4.0	23.2 +- 0.9; 4.9	23.5 +- 1.7
30	27	3.6	25.6 +- 0.8; 3.8	21.8 +- 0.8; 4.8	23.1 +- 1.8
31	49	3.5	27.5 +- 0.8; 4.1	23.7 +- 0.9; 5.0	23.2 +- 1.3
32	120	3.3	Missing Dosimeter	No Net Data	24.0 +- 1.6

Transit Dose = 3.6 +- 0.3; 2.9

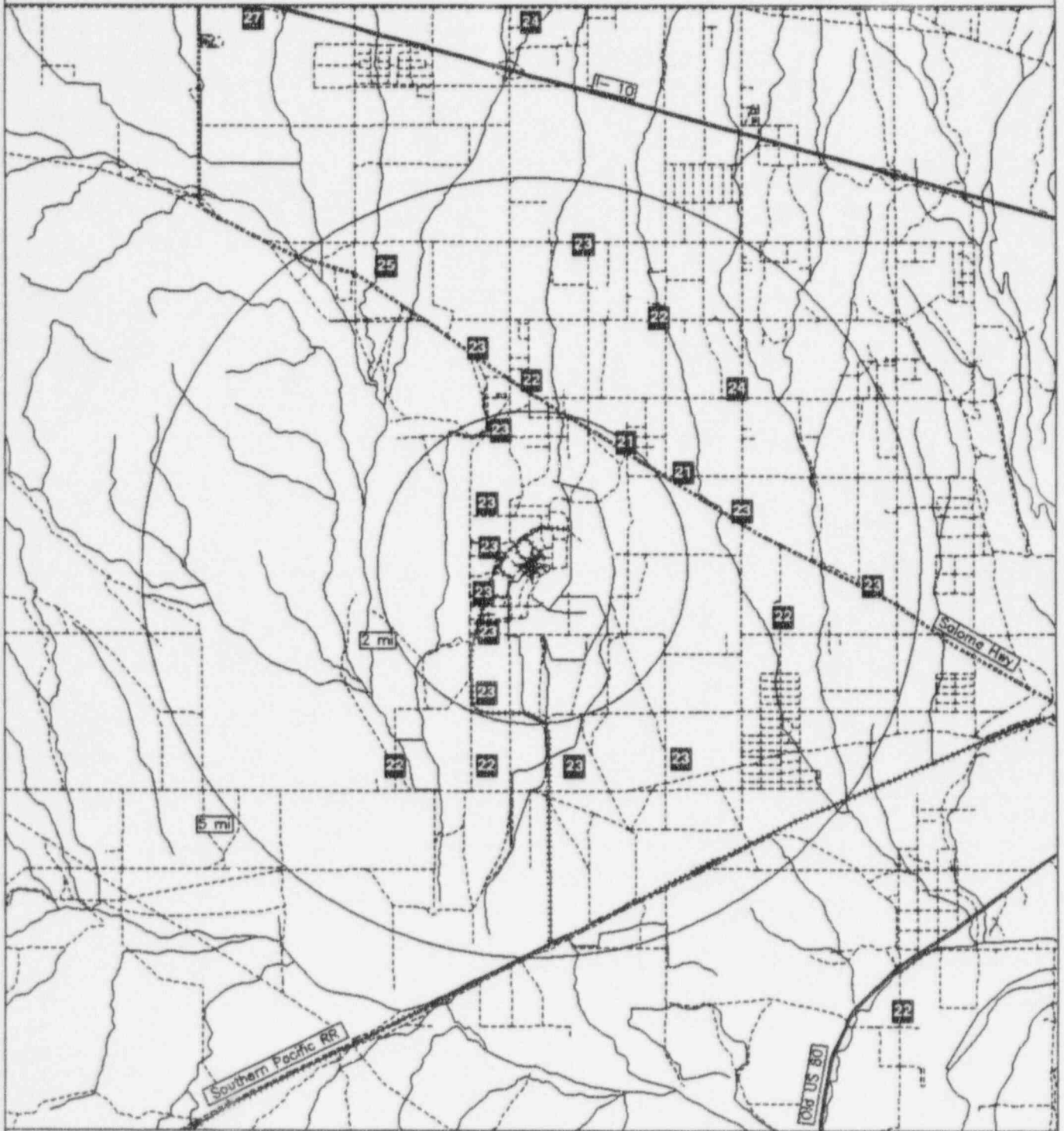
PALO VERDE  
For the period 950611-951019

TLD Direct Radiation Environmental Monitoring

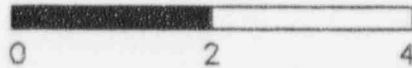
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	22.8 +- 1.1	3
11.26 - 33.75 NNE	21.8 +- 0.0	1
33.76 - 56.25 NE	22.4 +- 1.9	2
56.26 - 78.75 ENE	22.2 +- 1.3	2
78.76 - 101.25 E	22.6 +- 0.3	2
101.26 - 123.75 ESE	20.4 +- 0.0	1
123.76 - 146.25 SE	22.4 +- 0.3	2
146.26 - 168.75 SSE	21.8 +- 1.2	2
168.76 - 191.25 S	No Data +- No Data	0
191.26 - 213.75 SSW	22.5 +- 0.7	2
213.76 - 236.25 SW	22.5 +- 0.1	2
236.26 - 258.75 WSW	23.1 +- 0.0	1
258.76 - 281.25 W	21.2 +- 0.0	1
281.26 - 303.75 WNW	23.5 +- 0.0	1
303.76 - 326.25 NW	22.6 +- 0.0	1
326.26 - 348.75 NNW	24.5 +- 2.2	4

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	22.5 +- 0.9	8
2 - 5	22.5 +- 1.0	15
> 5	23.5 +- 3.0	4
Upwind Control	20.7 +- 0.7	3

# NRC TLD DOSES FOR PALO VERDE AREA



Miles



## Legend

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

## PEACH BOTTOM

TLD Direct Radiation Environmental Monitoring

For the period 950614-951024 133 Days

Field Time: 107 Days

NRC Sta	Location		Gross Exposure (mR)		Net Exposure Rate (mR/Std. Qtr.)		Hist. Range Net Exp Rate	
	Azimuth/ (Deg)	Dist (Mi)	+-Rdm; Tot.		+-Rdm; Tot.		+-1 Std Dev	
1	330	10.3	25.6	+ 0.8; 3.8	20.1	+ 0.7; 4.2	16.1	+ 1.6
2	33	10.5	23.0	+ 0.7; 3.4	17.9	+ 0.6; 4.0	17.1	+ 1.2
3	21	4.8	23.1	+ 0.7; 3.5	18.0	+ 0.6; 4.0	17.8	+ 1.4
4	3	5.0	22.4	+ 0.7; 3.4	17.4	+ 0.6; 3.9	17.0	+ 1.4
5	344	4.1	23.4	+ 0.7; 3.5	18.2	+ 0.6; 4.0	17.4	+ 1.4
6	1	2.2	25.2	+ 0.8; 3.8	19.8	+ 0.7; 4.2	19.0	+ 1.4
7	26	2.4	24.4	+ 0.7; 3.7	19.1	+ 0.7; 4.1	18.0	+ 1.3
8	55	2.8	24.4	+ 0.7; 3.7	19.1	+ 0.7; 4.1	18.6	+ 1.4
9	42	2.0	23.2	+ 0.7; 3.5	18.1	+ 0.6; 4.0	17.2	+ 1.2
10	62	1.7	25.3	+ 0.8; 3.8	19.8	+ 0.7; 4.2	18.7	+ 2.1
11	96	1.9	25.0	+ 0.7; 3.7	19.6	+ 0.7; 4.2	19.1	+ 1.5
12	105	2.3	19.0	+ 0.6; 2.8	14.5	+ 0.5; 3.6	14.1	+ 1.0
13	72	5.0	24.1	+ 0.7; 3.6	18.8	+ 0.7; 4.1	16.9	+ 1.5
14	85	4.6	26.1	+ 0.8; 3.9	20.5	+ 0.7; 4.3	18.7	+ 1.5
15	109	4.3	26.8	+ 0.8; 4.0	21.1	+ 0.7; 4.3	19.1	+ 1.5
16	130	4.6	18.9	+ 0.6; 2.8	14.4	+ 0.5; 3.6	13.7	+ 1.4
17	157	8.9	20.8	+ 0.6; 3.1	16.0	+ 0.6; 3.8	15.3	+ 1.4
18	163	4.6	22.7	+ 0.7; 3.4	17.6	+ 0.6; 4.0	16.6	+ 1.2
19	183	3.9	24.7	+ 0.7; 3.7	19.3	+ 0.7; 4.1	18.9	+ 1.3
20	201	4.8	25.2	+ 0.8; 3.8	19.8	+ 0.7; 4.2	18.8	+ 1.6
21	196	2.3	25.6	+ 0.8; 3.8	20.1	+ 0.7; 4.2	19.2	+ 1.5
22	182	1.7	25.8	+ 0.8; 3.9	20.3	+ 0.7; 4.2	18.7	+ 1.3
23	157	1.8	29.2	+ 0.9; 4.4	23.1	+ 0.8; 4.6	21.6	+ 1.7
24	219	1.8	28.3	+ 0.8; 4.2	22.4	+ 0.8; 4.5	20.8	+ 1.5
25	249	1.7	28.3	+ 0.8; 4.2	22.3	+ 0.8; 4.5	19.8	+ 1.5
26	269	1.8	28.8	+ 0.9; 4.3	22.8	+ 0.8; 4.5	20.4	+ 1.6
27	286	1.9	23.8	+ 0.7; 3.6	18.6	+ 0.7; 4.1	17.6	+ 0.9
28	323	1.8	21.0	+ 0.6; 3.2	16.2	+ 0.6; 3.8	16.0	+ 1.4
29	286	3.6	28.2	+ 0.8; 4.2	22.2	+ 0.8; 4.5	21.2	+ 1.3
30	262	4.0	27.9	+ 0.8; 4.2	22.1	+ 0.8; 4.5	20.8	+ 1.6
31	261	9.9	27.5	+ 0.8; 4.1	21.7	+ 0.7; 4.4	21.2	+ 1.5
32	247	3.2	25.1	+ 0.8; 3.8	19.7	+ 0.7; 4.2	18.5	+ 1.3
33	235	3.6	18.6	+ 0.6; 2.8	14.2	+ 0.5; 3.6	13.9	+ 1.4
34	319	4.9	26.5	+ 0.8; 4.0	20.8	+ 0.7; 4.3	19.5	+ 1.5
35	149	0.7	22.6	+ 0.7; 3.4	17.5	+ 0.6; 3.9	17.5	+ 1.4
36	147	17.9	19.4	+ 0.6; 2.9	14.9	+ 0.6; 3.7	14.0	+ 1.0
37	147	17.9	19.0	+ 0.6; 2.8	14.5	+ 0.5; 3.6	14.7	+ 1.3
38	147	17.9	19.3	+ 0.6; 2.9	14.8	+ 0.6; 3.7	14.5	+ 1.0

Transit Dose = 1.7 +- 0.3; 3.2



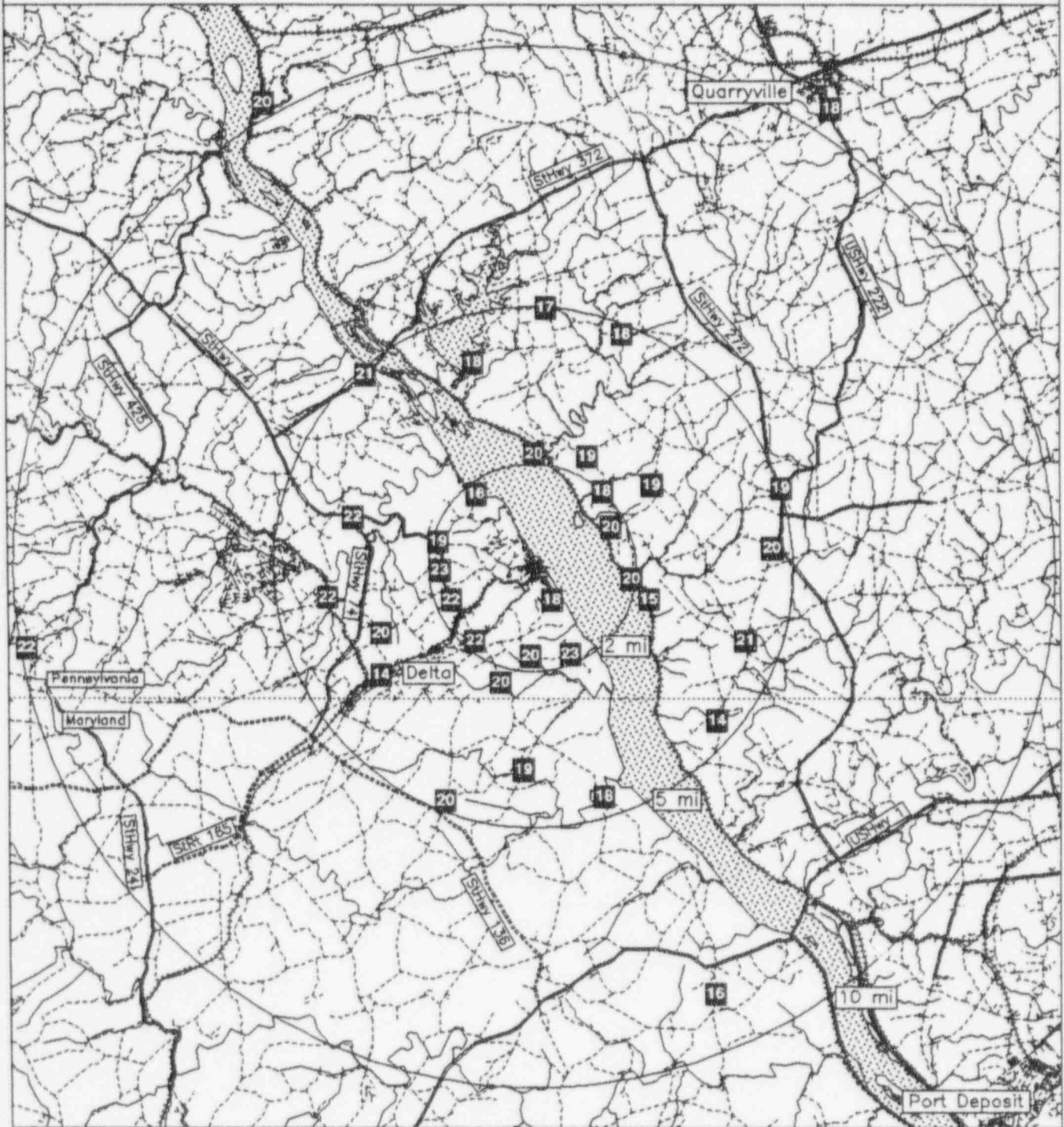
PEACH BOTTOM  
For the period 950614-951024

TLD Direct Radiation Environmental Monitoring

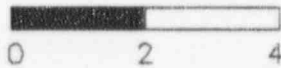
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	18.6 +- 1.7	2
11.26 - 33.75 NNE	18.3 +- 0.7	3
33.76 - 56.25 NE	18.6 +- 0.7	2
56.26 - 78.75 ENE	19.3 +- 0.7	2
78.76 - 101.25 E	20.0 +- 0.7	2
101.26 - 123.75 ESE	17.8 +- 4.7	2
123.76 - 146.25 SE	14.4 +- 0.0	1
146.26 - 168.75 SSE	18.6 +- 3.1	4
168.76 - 191.25 S	19.8 +- 0.7	2
191.26 - 213.75 SSW	19.9 +- 0.2	2
213.76 - 236.25 SW	18.3 +- 5.8	2
236.26 - 258.75 WSW	21.0 +- 1.9	2
258.76 - 281.25 W	22.2 +- 0.6	3
281.26 - 303.75 WNW	20.4 +- 2.6	2
303.76 - 326.25 NW	18.5 +- 3.2	2
326.26 - 348.75 NNW	19.2 +- 1.3	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	20.1 +- 2.3	11
2 - 5	18.8 +- 2.3	20
> 5	18.9 +- 2.5	4
Upwind Control	14.7 +- 0.2	3

# NRC TLD DOSES FOR PEACH BOTTOM AREA



Miles



### Legend



Water



Highways

--- Railroads

--- Roads



Plant..site

PERRY

TLD Direct Radiation Environmental Monitoring

For the period 950612-951026 137 Days

Field Time: 100 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	72	5.0	20.7 +- 0.6; 3.1	16.4 +- 0.6; 3.9	15.9 +- 1.9
3	88	5.5	20.9 +- 0.6; 3.1	16.6 +- 0.6; 4.0	16.1 +- 1.9
4	112	6.0	21.4 +- 0.6; 3.2	17.1 +- 0.6; 4.0	16.9 +- 2.0
5	130	4.0	20.4 +- 0.6; 3.1	16.1 +- 0.6; 3.9	16.7 +- 2.1
6	155	5.0	25.7 +- 0.8; 3.9	20.9 +- 0.8; 4.5	19.7 +- 1.5
7	178	5.2	22.6 +- 0.7; 3.4	18.1 +- 0.7; 4.1	17.5 +- 1.7
8	205	4.6	19.1 +- 0.6; 2.9	15.0 +- 0.6; 3.8	17.1 +- 3.1
9	220	5.2	21.0 +- 0.6; 3.2	16.7 +- 0.6; 4.0	16.0 +- 1.7
10	225	7.4	20.6 +- 0.6; 3.1	16.4 +- 0.6; 3.9	17.3 +- 1.8
11	240	5.8	23.5 +- 0.7; 3.5	18.9 +- 0.7; 4.2	18.7 +- 2.0
12	225	19.0	20.0 +- 0.6; 3.0	15.8 +- 0.6; 3.9	16.4 +- 2.3
13	225	19.0	19.9 +- 0.6; 3.0	15.7 +- 0.6; 3.9	15.7 +- 2.0
14	212	12.0	28.7 +- 0.9; 4.3	23.6 +- 0.8; 4.8	21.9 +- 2.2
15	248	1.4	20.3 +- 0.6; 3.0	16.1 +- 0.6; 3.9	15.7 +- 1.8
16	225	0.8	19.9 +- 0.6; 3.0	15.7 +- 0.6; 3.9	15.5 +- 2.2
17	205	0.7	18.4 +- 0.6; 2.8	14.3 +- 0.6; 3.7	14.1 +- 1.7
18	180	0.8	19.5 +- 0.6; 2.9	15.3 +- 0.6; 3.8	15.4 +- 2.0
19	152	1.8	19.4 +- 0.6; 2.9	15.3 +- 0.6; 3.8	16.0 +- 1.6
20	123	1.6	18.2 +- 0.5; 2.7	14.2 +- 0.6; 3.7	14.1 +- 1.7
21	105	1.4	25.1 +- 0.8; 3.8	20.4 +- 0.7; 4.4	14.8 +- 1.8
22	85	1.2	20.6 +- 0.6; 3.1	16.4 +- 0.6; 3.9	16.2 +- 2.5
23	65	1.4	21.0 +- 0.6; 3.2	16.7 +- 0.6; 4.0	16.1 +- 1.9
24	40	0.6	19.7 +- 0.6; 3.0	15.5 +- 0.6; 3.9	15.4 +- 2.0
25	40	0.6	19.1 +- 0.6; 2.9	15.0 +- 0.6; 3.8	17.8 +- 3.6
26	182	2.8	20.9 +- 0.6; 3.1	16.6 +- 0.6; 4.0	16.4 +- 2.7
27	175	2.8	21.7 +- 0.7; 3.3	17.3 +- 0.7; 4.0	16.7 +- 3.4

Transit Dose = 2.5 +- 0.3; 3.1

PERRY

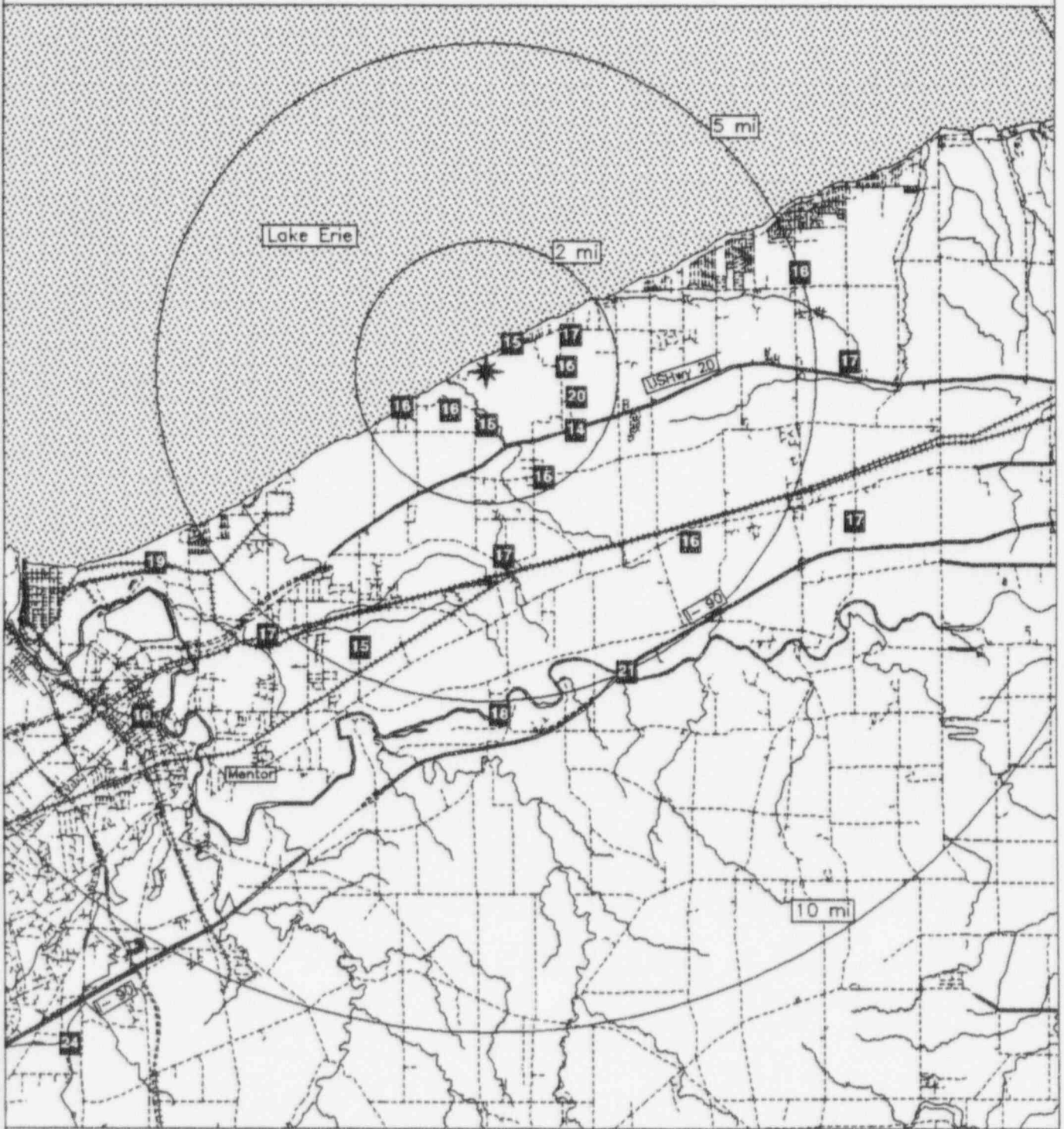
For the period 950612-951026

## TLD Direct Radiation Environmental Monitoring

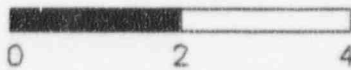
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	No Data +- No Data	0
11.26 - 33.75 NNE	No Data +- No Data	0
33.76 - 56.25 NE	15.3 +- 0.4	2
56.26 - 78.75 ENE	16.6 +- 0.2	2
78.76 - 101.25 E	16.5 +- 0.2	2
101.26 - 123.75 ESE	17.2 +- 3.1	3
123.76 - 146.25 SE	16.1 +- 0.0	1
146.26 - 168.75 SSE	18.1 +- 4.0	2
168.76 - 191.25 S	16.8 +- 1.2	4
191.26 - 213.75 SSW	14.7 +- 0.5	2
213.76 - 236.25 SW	16.3 +- 0.5	3
236.26 - 258.75 WSW	17.5 +- 2.0	2
258.76 - 281.25 W	No Data +- No Data	0
281.26 - 303.75 WNW	No Data +- No Data	0
303.76 - 326.25 NW	No Data +- No Data	0
326.26 - 348.75 NNW	No Data +- No Data	0

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	15.9 +- 1.7	11
2 - 5	17.1 +- 2.0	6
> 5	17.3 +- 1.0	6
Upwind Control	18.3 +- 4.5	3

# NRC TLD DOSES FOR PERRY AREA



Miles



## Legend

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

## PILGRIM

TLD Direct Radiation Environmental Monitoring

For the period 950615-951031 139 Days

Field Time: 98 Days

NRC Sta	Location		Gross Exposure (mR)		Net Exposure Rate (mR/Std. Qtr.)		Hist. Range Net Exp Rate	
	Azimuth/ (Deg)	Dist (Mi)	+-Rdm; Tot.		+-Rdm; Tot.		+-1 Std Dev	
1	288	0.1	147.8	+- 4.4; 22.2	125.4	+- 4.1; 20.7	49.2	+-31.9
2	310	0.2	32.9	+- 1.0; 4.9	19.8	+- 1.1; 5.8	16.7	+- 2.7
5	289	0.7	27.7	+- 0.8; 4.1	15.0	+- 0.9; 5.2	16.1	+- 1.9
6	261	1.7	26.5	+- 0.8; 4.0	14.0	+- 0.9; 5.1	14.4	+- 1.5
7	270	0.5	29.5	+- 0.9; 4.4	16.7	+- 1.0; 5.4	18.1	+- 1.9
8	247	0.3	29.9	+- 0.9; 4.5	17.0	+- 1.0; 5.5	16.5	+- 1.5
9	224	0.3	31.1	+- 0.9; 4.7	18.2	+- 1.0; 5.6	15.0	+- 2.2
10	205	0.3	34.2	+- 1.0; 5.1	21.1	+- 1.1; 5.9	16.4	+- 3.3
11	184	0.3	35.4	+- 1.1; 5.3	22.1	+- 1.1; 6.1	17.7	+- 3.0
12	159	0.4	28.3	+- 0.8; 4.2	15.6	+- 0.9; 5.3	15.7	+- 1.8
13	146	0.7	25.2	+- 0.8; 3.8	12.8	+- 0.9; 5.0	13.3	+- 1.6
14	155	1.0	24.3	+- 0.7; 3.6	11.9	+- 0.9; 4.9	14.7	+- 2.0
16	136	1.3	26.2	+- 0.8; 3.9	13.6	+- 0.9; 5.1	13.6	+- 1.4
18	212	0.8	23.4	+- 0.7; 3.5	11.1	+- 0.8; 4.8	13.7	+- 4.1
19	232	1.0	26.5	+- 0.8; 4.0	13.9	+- 0.9; 5.1	13.5	+- 1.6
21	256	1.6	23.9	+- 0.7; 3.6	11.6	+- 0.8; 4.9	12.9	+- 2.1
22	130	2.5	24.8	+- 0.7; 3.7	12.4	+- 0.9; 5.0	13.7	+- 1.8
23	146	3.4	25.1	+- 0.8; 3.8	12.7	+- 0.9; 5.0	13.1	+- 1.7
25	168	1.5	26.3	+- 0.8; 3.9	13.7	+- 0.9; 5.1	14.1	+- 1.7
26	180	1.3	24.4	+- 0.7; 3.7	12.0	+- 0.9; 4.9	12.1	+- 1.7
27	231	1.8	25.6	+- 0.8; 3.8	13.1	+- 0.9; 5.0	13.4	+- 1.7
30	153	2.2	28.5	+- 0.9; 4.3	15.8	+- 1.0; 5.3	16.0	+- 1.5
31	179	2.5	23.1	+- 0.7; 3.5	10.8	+- 0.8; 4.8	12.8	+- 1.7
32	217	2.6	23.7	+- 0.7; 3.6	11.4	+- 0.8; 4.9	12.1	+- 1.9
33	234	2.5	23.8	+- 0.7; 3.6	11.5	+- 0.8; 4.9	13.5	+- 2.1
34	320	7.5	26.0	+- 0.8; 3.9	13.5	+- 0.9; 5.1	12.7	+- 1.4
35	318	7.0	22.9	+- 0.7; 3.4	10.7	+- 0.8; 4.8	10.9	+- 1.1
37	264	4.2	27.1	+- 0.8; 4.1	14.5	+- 0.9; 5.2	14.3	+- 1.6
38	152	3.5	25.6	+- 0.8; 3.8	13.1	+- 0.9; 5.0	12.7	+- 2.0
39	155	5.3	23.6	+- 0.7; 3.5	11.2	+- 0.8; 4.8	11.6	+- 1.3
40	272	4.6	27.6	+- 0.8; 4.1	15.0	+- 0.9; 5.2	15.0	+- 1.7
42	281	4.6	24.6	+- 0.7; 3.7	12.2	+- 0.9; 4.9	13.1	+- 1.8
43	291	5.8	27.2	+- 0.8; 4.1	14.6	+- 0.9; 5.2	15.6	+- 1.7
45	197	6.0	24.0	+- 0.7; 3.6	11.6	+- 0.8; 4.9	12.4	+- 2.2
47	301	26.0	29.4	+- 0.9; 4.4	16.6	+- 1.0; 5.4	15.2	+- 1.8
48	301	26.0	28.6	+- 0.9; 4.3	15.9	+- 1.0; 5.3	15.8	+- 2.1
49	301	26.0	26.6	+- 0.8; 4.0	14.1	+- 0.9; 5.1	14.5	+- 1.7

Transit Dose = 11.3 +- 0.6; 3.9

## PILGRIM

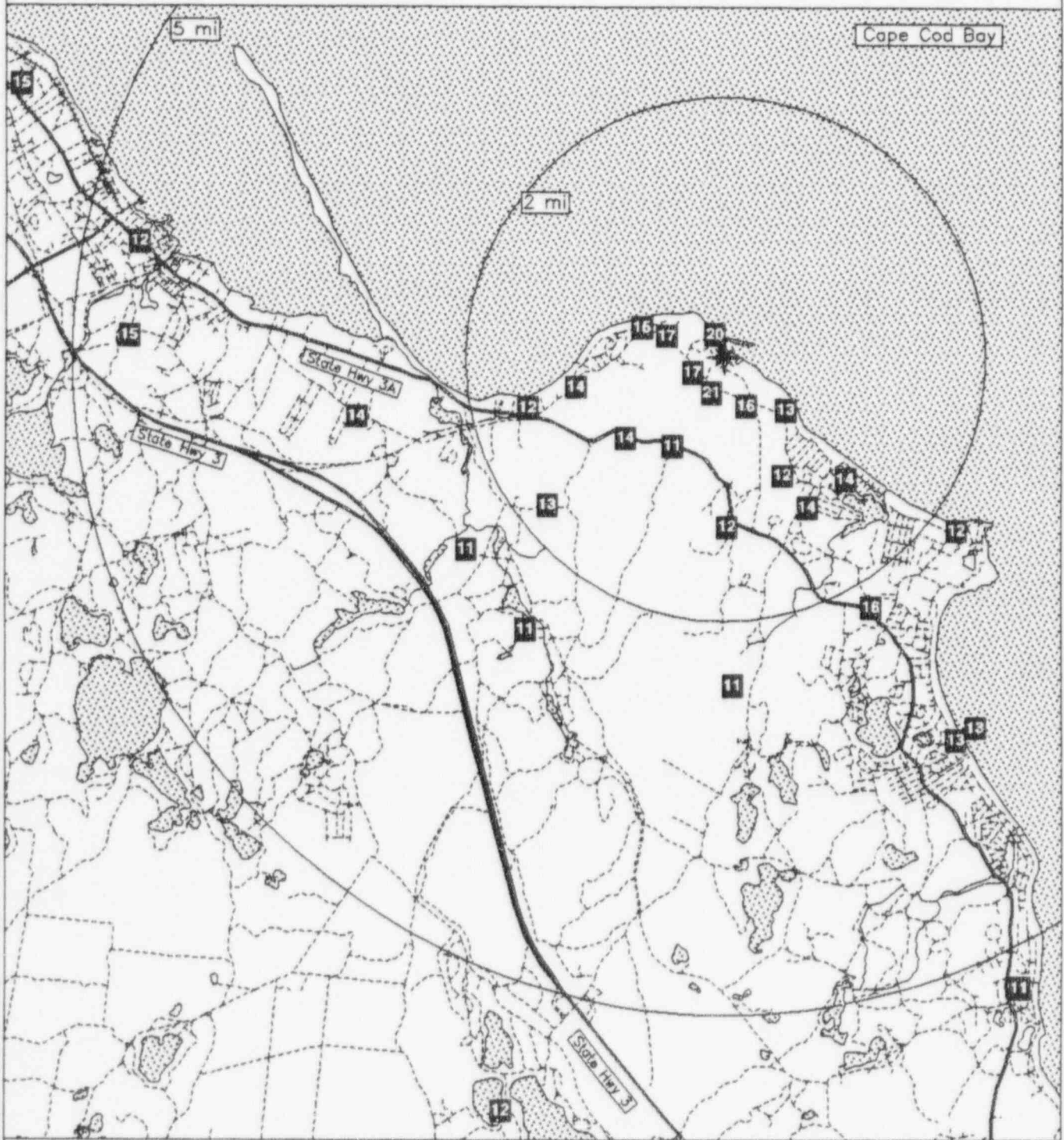
For the period 950615-951031

## TLD Direct Radiation Environmental Monitoring

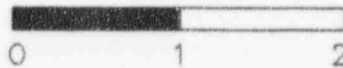
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	No Data +- No Data	0
11.26 - 33.75 NNE	No Data +- No Data	0
33.76 - 56.25 NE	No Data +- No Data	0
56.26 - 78.75 ENE	No Data +- No Data	0
78.76 - 101.25 E	No Data +- No Data	0
101.26 - 123.75 ESE	No Data +- No Data	0
123.76 - 146.25 SE	12.9 +- 0.5	4
146.26 - 168.75 SSE	13.6 +- 1.9	6
168.76 - 191.25 S	15.0 +- 6.2	3
191.26 - 213.75 SSW	14.6 +- 5.6	3
213.76 - 236.25 SW	13.6 +- 2.8	5
236.26 - 258.75 WSW	14.3 +- 3.9	2
258.76 - 281.25 W	14.5 +- 1.6	5
281.26 - 303.75 WNW	51.7 +- 63.8	3
303.76 - 326.25 NW	14.6 +- 4.7	3
326.26 - 348.75 NNW	No Data +- No Data	0

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	21.0 +- 25.5	19
2 - 5	12.9 +- 1.7	10
> 5	12.3 +- 1.7	5
Upwind Control	15.5 +- 1.3	3

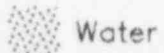
# NRC TLD DOSES FOR PILGRIM AREA



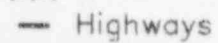
Miles



## Legend



Water



Highways



Railroads



Roads



Plant..site



## PRAIRIE ISLAND

TLD Direct Radiation Environmental Monitoring

For the period 950612-951018 129 Days

Field Time: 92 Days

NRC Sta	Location		Gross Exposure (mR)		Net Exposure Rate (mR/Std. Qtr.)		Hist. Range Net Exp Rate	
	Azimuth/Dist (Deg)/(Mi)		+-Rdm; Tot.		+-Rdm; Tot.		+-1 Std Dev	
1	312	16.5	20.9	+- 0.6; 3.1	16.4	+- 0.7; 4.3	17.3	+- 2.2
2	310	15.0	22.0	+- 0.7; 3.3	17.5	+- 0.7; 4.4	16.8	+- 2.0
3	310	15.0	21.1	+- 0.6; 3.2	16.5	+- 0.7; 4.3	16.8	+- 2.2
4	308	5.5	22.7	+- 0.7; 3.4	18.1	+- 0.7; 4.4	17.4	+- 1.8
5	297	4.1	20.6	+- 0.6; 3.1	16.1	+- 0.7; 4.2	16.1	+- 1.8
6	287	1.3	19.7	+- 0.6; 3.0	15.3	+- 0.7; 4.1	16.4	+- 2.2
7	313	0.8	18.9	+- 0.6; 2.8	14.4	+- 0.7; 4.0	15.0	+- 1.8
8	244	0.5	20.2	+- 0.6; 3.0	15.8	+- 0.7; 4.2	16.3	+- 1.8
9	194	0.6	21.3	+- 0.6; 3.2	16.8	+- 0.7; 4.3	16.6	+- 1.6
10	155	0.5	22.1	+- 0.7; 3.3	17.6	+- 0.7; 4.4	17.4	+- 1.7
11	129	1.6	18.9	+- 0.6; 2.8	14.5	+- 0.7; 4.0	15.6	+- 1.6
12	153	1.4	20.4	+- 0.6; 3.1	15.9	+- 0.7; 4.2	16.3	+- 1.5
13	217	0.6	20.6	+- 0.6; 3.1	16.1	+- 0.7; 4.2	16.7	+- 1.7
14	178	0.8	21.3	+- 0.6; 3.2	16.8	+- 0.7; 4.3	16.6	+- 1.7
15	272	1.9	20.6	+- 0.6; 3.1	16.1	+- 0.7; 4.2	15.7	+- 1.8
16	262	4.6	21.9	+- 0.7; 3.3	17.4	+- 0.7; 4.4	17.8	+- 2.3
17	250	4.3	23.4	+- 0.7; 3.5	18.9	+- 0.8; 4.5	17.4	+- 1.9
18	225	4.1	21.2	+- 0.6; 3.2	16.7	+- 0.7; 4.3	17.8	+- 3.1
19	233	6.7	18.9	+- 0.6; 2.8	14.4	+- 0.7; 4.0	15.4	+- 2.0
20	200	4.9	23.8	+- 0.7; 3.6	19.2	+- 0.8; 4.6	18.6	+- 2.0
21	187	4.7	24.4	+- 0.7; 3.7	19.8	+- 0.8; 4.6	19.2	+- 2.1
22	160	4.4	21.5	+- 0.6; 3.2	17.0	+- 0.7; 4.3	17.5	+- 2.0
23	140	4.7	21.1	+- 0.6; 3.2	16.6	+- 0.7; 4.3	18.0	+- 2.0
24	131	6.6	21.3	+- 0.6; 3.2	16.8	+- 0.7; 4.3	17.5	+- 1.9
25	117	4.9	20.4	+- 0.6; 3.1	15.9	+- 0.7; 4.2	16.3	+- 1.8
26	88	1.9	21.0	+- 0.6; 3.1	16.5	+- 0.7; 4.3	16.7	+- 1.8
27	69	1.8	20.8	+- 0.6; 3.1	16.3	+- 0.7; 4.2	16.6	+- 2.2
28	47	1.6	20.5	+- 0.6; 3.1	16.0	+- 0.7; 4.2	17.0	+- 2.1
29	19	1.5	20.4	+- 0.6; 3.1	15.9	+- 0.7; 4.2	15.8	+- 2.0
30	356	1.9	19.2	+- 0.6; 2.9	14.8	+- 0.7; 4.1	16.2	+- 2.2
31	346	2.4	23.1	+- 0.7; 3.5	18.6	+- 0.8; 4.5	18.3	+- 2.0
32	340	3.8	22.6	+- 0.7; 3.4	18.0	+- 0.7; 4.4	19.0	+- 2.0
33	8	4.6	Missing Dosimeter		No Net Data		19.2	+- 2.0
34	17	4.7	22.8	+- 0.7; 3.4	18.3	+- 0.8; 4.5	18.9	+- 2.1
35	45	11.0	21.0	+- 0.6; 3.2	16.5	+- 0.7; 4.3	16.9	+- 1.7
36	48	4.7	24.9	+- 0.7; 3.7	20.3	+- 0.8; 4.7	18.7	+- 2.0
37	61	4.2	23.5	+- 0.7; 3.5	18.9	+- 0.8; 4.5	19.0	+- 1.9
38	86	4.9	24.3	+- 0.7; 3.6	19.7	+- 0.8; 4.6	18.5	+- 2.0
39	107	9.1	20.4	+- 0.6; 3.1	15.9	+- 0.7; 4.2	16.4	+- 1.8
40	111	3.7	20.2	+- 0.6; 3.0	15.7	+- 0.7; 4.2	16.3	+- 1.8
46	0	0.0	20.0	+- 0.6; 3.0	15.5	+- 0.7; 4.2	15.4	+- 1.0
47	0	0.0	20.8	+- 0.6; 3.1	16.2	+- 0.7; 4.2	15.6	+- 0.7

Transit Dose = 4.1 +- 0.4; 3.0

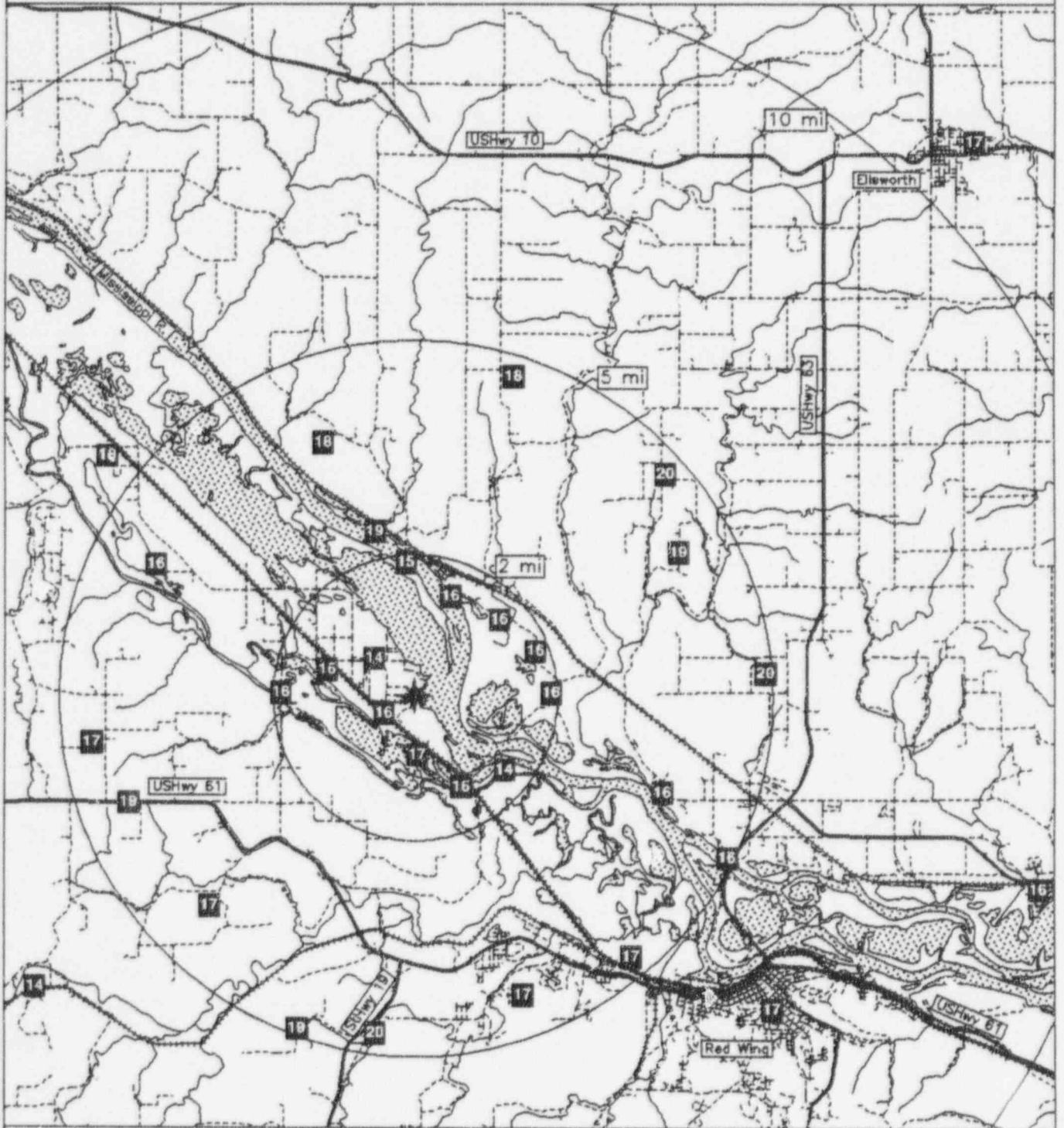
PRAIRIE ISLAND  
For the period 950612-951018

TLD Direct Radiation Environmental Monitoring

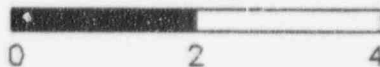
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	15.5 +- 0.7	3
11.26 - 33.75 NNE	17.1 +- 1.7	2
33.76 - 56.25 NE	17.6 +- 2.4	3
56.26 - 78.75 ENE	17.6 +- 1.9	2
78.76 - 101.25 E	18.1 +- 2.3	2
101.26 - 123.75 ESE	15.8 +- 0.1	3
123.76 - 146.25 SE	15.9 +- 1.3	3
146.26 - 168.75 SSE	16.8 +- 0.8	3
168.76 - 191.25 S	18.3 +- 2.1	2
191.26 - 213.75 SSW	18.0 +- 1.7	2
213.76 - 236.25 SW	15.7 +- 1.2	3
236.26 - 258.75 WSW	17.3 +- 2.2	2
258.76 - 281.25 W	16.7 +- 0.9	2
281.26 - 303.75 WNW	15.7 +- 0.6	2
303.76 - 326.25 NW	16.3 +- 2.6	2
326.26 - 348.75 NNW	18.3 +- 0.4	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	15.9 +- 0.8	17
2 - 5	17.9 +- 1.5	16
> 5	16.4 +- 1.3	5
Upwind Control	16.8 +- 0.6	3

# NRC TLD DOSES FOR PRAIRIE ISLAND AREA



Miles



### Legend



Water



Highways

--- Railroads

--- Roads



Plant site

## QUAD CITIES

TLD Direct Radiation Environmental Monitoring

For the period 950612-951025 136 Days

Field Time: 90 Days

NRC Sta	Location		Gross Exposure (mR)		Net Exposure Rate (mR/Std. Qtr.)		Hist. Range Net Exp Rate	
	Azimuth/Dist (Deg)/(Mi)		+-Rdm; Tot.		+-Rdm; Tot.		+-1 Std Dev	
1	3	0.7	17.2	+- 0.5; 2.6	14.4	+- 0.6; 3.8	14.8	+- 1.5
2	16	1.2	22.0	+- 0.7; 3.3	19.2	+- 0.7; 4.3	17.2	+- 2.1
3	35	1.7	17.0	+- 0.5; 2.6	14.3	+- 0.6; 3.8	15.0	+- 1.5
4	45	1.1	17.8	+- 0.5; 2.7	15.1	+- 0.6; 3.9	15.7	+- 1.4
5	90	0.8	17.2	+- 0.5; 2.6	14.4	+- 0.6; 3.8	15.5	+- 1.6
6	138	1.1	18.8	+- 0.6; 2.8	16.1	+- 0.6; 4.0	16.2	+- 1.6
7	175	1.8	18.4	+- 0.6; 2.8	15.7	+- 0.6; 4.0	16.1	+- 1.6
8	165	2.0	18.3	+- 0.5; 2.7	15.6	+- 0.6; 3.9	16.3	+- 1.5
9	186	3.1	19.5	+- 0.6; 2.9	16.8	+- 0.7; 4.1	15.7	+- 1.3
10	188	7.7	14.8	+- 0.4; 2.2	12.1	+- 0.5; 3.6	15.6	+- 4.6
11	156	4.2	18.5	+- 0.6; 2.8	15.8	+- 0.6; 4.0	16.8	+- 1.7
12	142	4.8	19.6	+- 0.6; 2.9	16.8	+- 0.7; 4.1	16.5	+- 1.9
13	123	3.3	19.0	+- 0.6; 2.9	16.3	+- 0.6; 4.0	16.1	+- 1.6
14	122	2.0	18.9	+- 0.6; 2.8	16.2	+- 0.6; 4.0	14.8	+- 1.7
15	86	2.8	Missing Dosimeter		No Net Data		17.1	+- 1.6
16	57	4.4	Missing Dosimeter		No Net Data		19.0	+- 1.6
17	48	6.1	18.7	+- 0.6; 2.8	16.0	+- 0.6; 4.0	16.4	+- 1.4
18	39	9.4	17.9	+- 0.5; 2.7	15.2	+- 0.6; 3.9	15.6	+- 1.1
19	34	4.7	17.9	+- 0.5; 2.7	15.2	+- 0.6; 3.9	15.4	+- 1.4
20	16	4.3	19.1	+- 0.6; 2.9	16.3	+- 0.6; 4.0	16.5	+- 1.7
21	352	4.2	21.0	+- 0.6; 3.2	18.3	+- 0.7; 4.2	18.4	+- 2.9
22	328	4.1	22.0	+- 0.7; 3.3	19.3	+- 0.7; 4.3	18.4	+- 1.8
23	337	5.7	18.8	+- 0.6; 2.8	16.1	+- 0.6; 4.0	16.9	+- 1.6
24	310	4.4	21.7	+- 0.7; 3.3	18.9	+- 0.7; 4.3	18.2	+- 1.9
25	295	4.1	18.3	+- 0.5; 2.7	15.6	+- 0.6; 3.9	16.2	+- 1.7
26	278	6.9	15.9	+- 0.5; 2.4	13.1	+- 0.6; 3.7	14.3	+- 1.5
27	260	4.3	18.5	+- 0.6; 2.8	15.8	+- 0.6; 4.0	16.3	+- 1.8
28	253	4.0	18.2	+- 0.5; 2.7	15.4	+- 0.6; 3.9	16.6	+- 1.7
29	352	2.8	20.7	+- 0.6; 3.1	18.0	+- 0.7; 4.2	17.4	+- 1.7
30	335	1.9	20.9	+- 0.6; 3.1	18.2	+- 0.7; 4.2	17.1	+- 1.6
31	305	2.6	20.3	+- 0.6; 3.0	17.6	+- 0.7; 4.2	17.1	+- 2.0
32	285	2.5	17.1	+- 0.5; 2.6	14.3	+- 0.6; 3.8	14.9	+- 2.2
33	257	2.0	19.0	+- 0.6; 2.9	16.3	+- 0.6; 4.0	16.6	+- 2.0
34	248	2.2	18.8	+- 0.6; 2.8	16.1	+- 0.6; 4.0	16.6	+- 1.3
35	229	2.6	19.0	+- 0.6; 2.8	16.2	+- 0.6; 4.0	15.7	+- 1.6
36	204	3.4	17.7	+- 0.5; 2.7	15.0	+- 0.6; 3.9	16.2	+- 2.4
37	194	9.3	18.7	+- 0.6; 2.8	15.9	+- 0.6; 4.0	16.5	+- 3.2
38	224	4.9	20.8	+- 0.6; 3.1	18.1	+- 0.7; 4.2	17.3	+- 1.8
39	301	14.0	18.2	+- 0.5; 2.7	15.5	+- 0.6; 3.9	15.6	+- 1.5
40	301	14.0	18.4	+- 0.6; 2.8	15.6	+- 0.6; 4.0	15.3	+- 1.7
41	301	14.0	17.6	+- 0.5; 2.6	14.9	+- 0.6; 3.9	14.8	+- 1.6

Transit Dose = 2.7 +- 0.3; 2.8

## QUAD CITIES

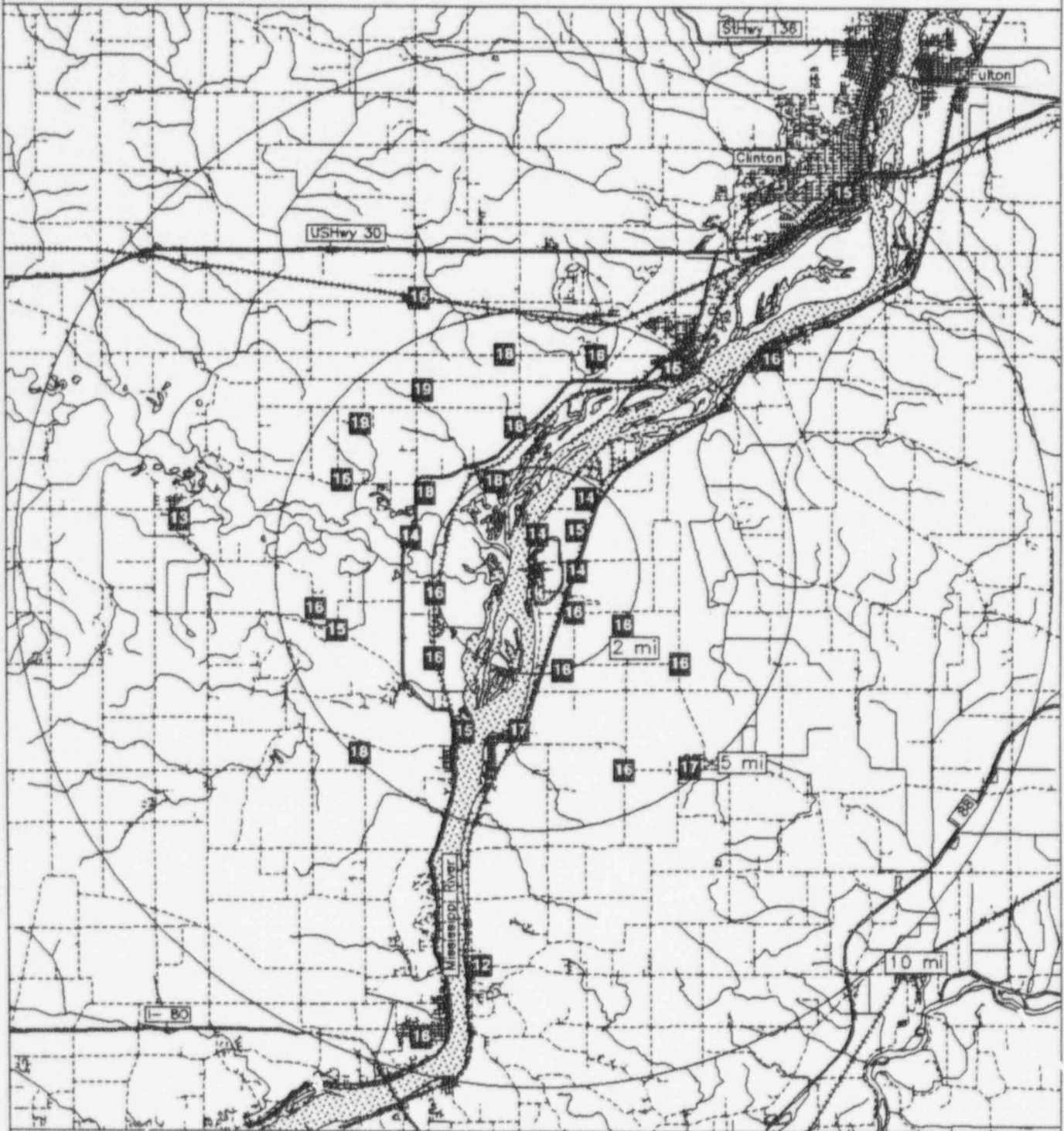
For the period 950612-951025

## TLD Direct Radiation Environmental Monitoring

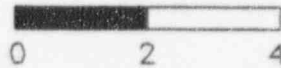
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	16.9 +- 2.1	3
11.26 - 33.75 NNE	17.8 +- 2.0	2
33.76 - 56.25 NE	15.1 +- 0.6	5
56.26 - 78.75 ENE	No Data +- No Data	0
78.76 - 101.25 E	14.4 +- 0.0	1
101.26 - 123.75 ESE	16.2 +- 0.1	2
123.76 - 146.25 SE	16.5 +- 0.5	2
146.26 - 168.75 SSE	15.7 +- 0.1	2
168.76 - 191.25 S	14.9 +- 2.5	3
191.26 - 213.75 SSW	15.5 +- 0.7	2
213.76 - 236.25 SW	17.2 +- 1.3	2
236.26 - 258.75 WSW	15.9 +- 0.5	3
258.76 - 281.25 W	14.5 +- 1.9	2
281.26 - 303.75 WNW	15.0 +- 0.9	2
303.76 - 326.25 NW	18.2 +- 1.0	2
326.26 - 348.75 NNW	17.8 +- 1.6	3

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	15.9 +- 1.6	11
2 - 5	16.6 +- 1.4	19
> 5	14.7 +- 1.7	6
Upwind Control	15.3 +- 0.4	3

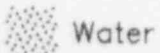
# NRC TLD DOSES FOR QUAD CITIES AREA



Miles



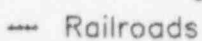
## Legend



Water



Highways



Railroads



Roads



Plant site

## RANCHO SECO

TLD Direct Radiation Environmental Monitoring

For the period 950611-951019 131 Days

Field Time: 95 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	288	16.0	20.0 +- 0.6; 3.0	16.4 +- 0.6; 4.0	16.2 +- 2.7
2	239	12.0	21.4 +- 0.6; 3.2	17.8 +- 0.7; 4.1	17.3 +- 1.8
3	213	16.0	22.8 +- 0.7; 3.4	19.1 +- 0.7; 4.3	18.7 +- 1.6
4	149	9.9	19.9 +- 0.6; 3.0	16.3 +- 0.6; 4.0	16.7 +- 2.4
5	108	8.2	27.5 +- 0.8; 4.1	23.6 +- 0.8; 4.8	22.5 +- 1.8
6	86	10.0	18.4 +- 0.6; 2.8	14.9 +- 0.6; 3.8	14.6 +- 1.9
7	83	9.7	17.2 +- 0.5; 2.6	13.8 +- 0.6; 3.7	14.4 +- 1.4
8	37	7.1	19.7 +- 0.6; 3.0	16.2 +- 0.6; 4.0	14.8 +- 1.6
9	65	0.8	19.7 +- 0.6; 3.0	16.2 +- 0.6; 4.0	15.8 +- 1.7
10	43	0.7	21.3 +- 0.6; 3.2	17.7 +- 0.7; 4.1	16.8 +- 2.2
11	92	0.2	18.7 +- 0.6; 2.8	15.2 +- 0.6; 3.9	15.2 +- 1.9
12	131	1.6	19.0 +- 0.6; 2.8	15.5 +- 0.6; 3.9	14.4 +- 1.4
13	358	0.6	22.8 +- 0.7; 3.4	19.1 +- 0.7; 4.3	17.6 +- 1.2
14	323	0.7	20.4 +- 0.6; 3.1	16.8 +- 0.7; 4.0	16.1 +- 1.4
15	151	0.7	19.3 +- 0.6; 2.9	15.8 +- 0.6; 3.9	15.3 +- 1.7
16	219	0.9	21.2 +- 0.6; 3.2	17.6 +- 0.7; 4.1	16.2 +- 1.6
17	245	1.5	20.0 +- 0.6; 3.0	16.4 +- 0.6; 4.0	15.5 +- 1.6
18	254	2.3	18.7 +- 0.6; 2.8	15.2 +- 0.6; 3.9	14.9 +- 1.2
19	323	7.0	20.5 +- 0.6; 3.1	16.9 +- 0.7; 4.0	16.6 +- 1.8
20	309	6.3	22.6 +- 0.7; 3.4	18.9 +- 0.7; 4.3	17.1 +- 1.8
21	279	5.7	19.7 +- 0.6; 3.0	16.2 +- 0.6; 4.0	15.9 +- 1.7
22	244	6.4	21.8 +- 0.7; 3.3	18.1 +- 0.7; 4.2	17.2 +- 1.4
23	217	4.6	20.3 +- 0.6; 3.0	16.7 +- 0.6; 4.0	16.1 +- 1.5
24	350	11.0	20.1 +- 0.6; 3.0	16.5 +- 0.6; 4.0	16.3 +- 1.5
25	318	17.0	19.9 +- 0.6; 3.0	16.4 +- 0.6; 4.0	16.7 +- 1.6
26	311	22.0	18.8 +- 0.6; 2.8	15.3 +- 0.6; 3.9	16.9 +- 1.9
27	306	27.0	19.3 +- 0.6; 2.9	15.8 +- 0.6; 3.9	15.5 +- 1.6
28	306	27.0	19.2 +- 0.6; 2.9	15.7 +- 0.6; 3.9	15.6 +- 1.2
29	306	27.0	19.9 +- 0.6; 3.0	16.3 +- 0.6; 4.0	15.8 +- 2.3
30	306	27.0	19.8 +- 0.6; 3.0	16.2 +- 0.6; 4.0	15.3 +- 1.7

Transit Dose = 2.6 +- 0.3; 3.0

RANCHO SECO  
For the period 950611-951019

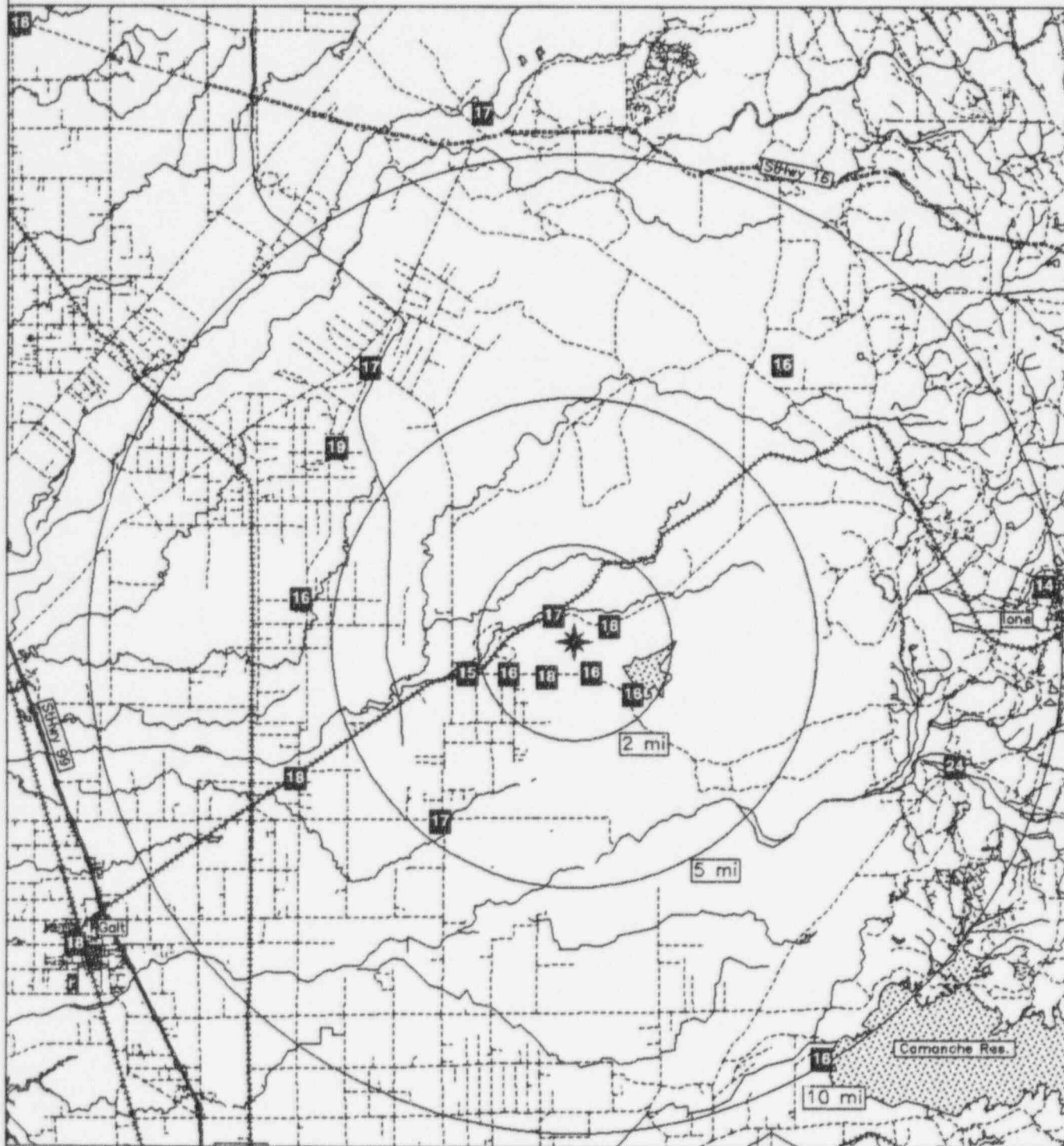
TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	17.8 +- 1.8	2
11.26 - 33.75 NNE	No Data +- No Data	0
33.76 - 56.25 NE	17.0 +- 1.1	2
56.26 - 78.75 ENE	16.2 +- 0.0	1
78.76 - 101.25 E	14.7 +- 0.7	3
101.26 - 123.75 ESE	23.5 +- 0.0	1
123.76 - 146.25 SE	15.5 +- 0.0	1
146.26 - 168.75 SSE	16.1 +- 0.4	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	17.2 +- 0.6	2
236.26 - 258.75 WSW	16.9 +- 1.3	4
258.76 - 281.25 W	16.2 +- 0.0	1
281.26 - 303.75 WNW	16.4 +- 0.0	1
303.76 - 326.25 NW	16.9 +- 1.0	6
326.26 - 348.75 NNW	No Data +- No Data	0

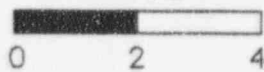
Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	16.7 +- 1.2	9
2 - 5	16.0 +- 1.1	2
> 5	17.1 +- 2.2	16
Upwind Control	15.6 +- 0.3	3



## NRC TLD DOSES FOR RANCHO SECO AREA



Miles



## Legend

Water  
Highways

Railroads  
Roads

Plant site

## RIVER BEND

TLD Direct Radiation Environmental Monitoring

For the period 950611-951019 131 Days

Field Time: 95 Days

NRC Sta	Location		Gross Exposure (mR)		Net Exposure Rate (mR/Std. Qtr.)		Hist. Range Net Exp Rate	
	Azimuth/Dist (Deg)/(Mi)		+Rdm; Tot.		+Rdm; Tot.		+1 Std Dev	
1	348	1.3	16.2	+ - 0.5; 2.4	14.7	+ - 0.5; 3.5	16.9	+ - 1.3
2	42	1.1	21.9	+ - 0.7; 3.3	20.1	+ - 0.7; 4.1	17.4	+ - 1.3
3	61	1.1	22.5	+ - 0.7; 3.4	20.6	+ - 0.7; 4.2	18.3	+ - 1.5
4	90	0.8	21.0	+ - 0.6; 3.1	19.2	+ - 0.6; 4.0	17.4	+ - 1.3
5	107	0.6	21.5	+ - 0.6; 3.2	19.7	+ - 0.7; 4.1	18.1	+ - 1.4
6	136	0.8	22.6	+ - 0.7; 3.4	20.8	+ - 0.7; 4.2	18.5	+ - 1.5
7	166	1.0	18.5	+ - 0.6; 2.8	16.9	+ - 0.6; 3.8	15.4	+ - 1.1
8	182	0.9	19.7	+ - 0.6; 3.0	18.0	+ - 0.6; 3.9	16.4	+ - 1.1
9	195	0.6	19.4	+ - 0.6; 2.9	17.7	+ - 0.6; 3.8	16.3	+ - 1.2
10	225	0.7	20.7	+ - 0.6; 3.1	19.0	+ - 0.6; 4.0	16.9	+ - 1.2
11	254	0.4	20.7	+ - 0.6; 3.1	19.0	+ - 0.6; 4.0	16.5	+ - 1.3
12	276	0.6	20.6	+ - 0.6; 3.1	18.8	+ - 0.6; 4.0	17.9	+ - 1.3
13	295	0.6	22.2	+ - 0.7; 3.3	20.3	+ - 0.7; 4.1	18.5	+ - 1.3
14	320	0.9	20.3	+ - 0.6; 3.0	18.6	+ - 0.6; 3.9	17.2	+ - 1.4
15	332	2.1	22.1	+ - 0.7; 3.3	20.3	+ - 0.7; 4.1	18.2	+ - 1.4
16	312	2.7	21.2	+ - 0.6; 3.2	19.4	+ - 0.6; 4.0	17.1	+ - 1.9
17	302	3.1	18.9	+ - 0.6; 2.8	17.3	+ - 0.6; 3.8	15.4	+ - 1.3
18	278	3.8	19.5	+ - 0.6; 2.9	17.8	+ - 0.6; 3.9	14.8	+ - 1.6
19	242	2.8	23.3	+ - 0.7; 3.5	21.4	+ - 0.7; 4.3	18.9	+ - 1.4
20	195	5.4	20.8	+ - 0.6; 3.1	19.0	+ - 0.6; 4.0	17.0	+ - 1.5
21	215	3.0	21.4	+ - 0.6; 3.2	19.6	+ - 0.7; 4.1	17.7	+ - 1.2
22	233	7.1	18.8	+ - 0.6; 2.8	17.2	+ - 0.6; 3.8	14.5	+ - 1.8
23	246	9.7	Missing Dosimeter		No Net Data		17.3	+ - 1.3
24	234	7.3	20.1	+ - 0.6; 3.0	18.3	+ - 0.6; 3.9	15.2	+ - 1.7
25	185	7.6	21.6	+ - 0.6; 3.2	19.8	+ - 0.7; 4.1	17.5	+ - 1.2
26	322	7.7	17.3	+ - 0.5; 2.6	15.8	+ - 0.5; 3.6	16.3	+ - 1.6
27	328	10.0	22.9	+ - 0.7; 3.4	21.0	+ - 0.7; 4.2	18.2	+ - 1.4
28	340	7.2	21.5	+ - 0.6; 3.2	19.7	+ - 0.7; 4.1	17.7	+ - 1.1
29	354	9.5	20.0	+ - 0.6; 3.0	18.2	+ - 0.6; 3.9	16.7	+ - 1.3
30	360	5.1	20.9	+ - 0.6; 3.1	19.2	+ - 0.6; 4.0	18.1	+ - 1.4
31	221	6.9	22.1	+ - 0.7; 3.3	20.3	+ - 0.7; 4.1	17.9	+ - 1.3
32	40	4.9	21.1	+ - 0.6; 3.2	19.4	+ - 0.6; 4.0	17.2	+ - 1.2
33	52	8.7	16.7	+ - 0.5; 2.5	15.2	+ - 0.5; 3.6	14.5	+ - 1.3
34	65	8.4	20.0	+ - 0.6; 3.0	18.3	+ - 0.6; 3.9	16.5	+ - 1.3
35	87	6.6	18.5	+ - 0.6; 2.8	16.9	+ - 0.6; 3.8	15.1	+ - 1.0
36	326	5.8	21.2	+ - 0.6; 3.2	19.4	+ - 0.7; 4.0	17.6	+ - 1.4
37	329	22.0	20.5	+ - 0.6; 3.1	18.8	+ - 0.6; 4.0	17.0	+ - 1.2
38	111	3.8	19.3	+ - 0.6; 2.9	17.7	+ - 0.6; 3.8	16.3	+ - 1.3
39	131	5.6	20.7	+ - 0.6; 3.1	18.9	+ - 0.6; 4.0	17.1	+ - 1.1
40	155	6.2	21.0	+ - 0.6; 3.1	19.2	+ - 0.6; 4.0	17.8	+ - 1.3
41	120	9.0	18.4	+ - 0.6; 2.8	16.7	+ - 0.6; 3.7	16.5	+ - 1.6
42	121	11.0	17.4	+ - 0.5; 2.6	15.8	+ - 0.5; 3.6	14.8	+ - 0.9
43	180	1.1	22.0	+ - 0.7; 3.3	20.2	+ - 0.7; 4.1	18.8	+ - 1.3
44	150	28.0	17.7	+ - 0.5; 2.6	16.1	+ - 0.6; 3.7	14.3	+ - 1.2

Transit Dose = 0.7 + - 0.3; 2.8

## RIVER BEND

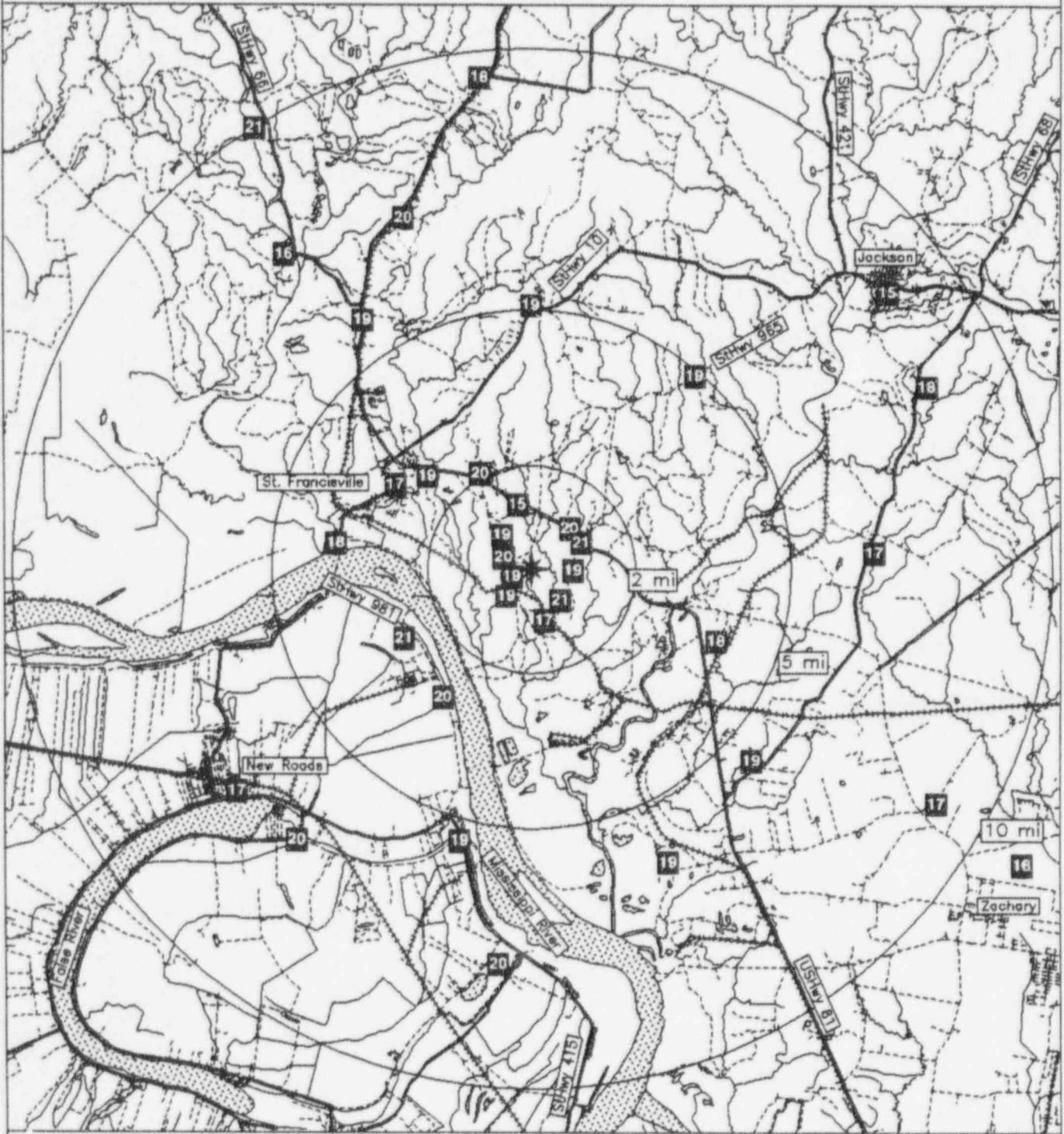
For the period 950611-951019

## TLD Direct Radiation Environmental Monitoring

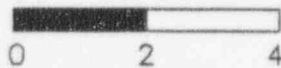
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	18.7 +- 0.7	2
11.26 - 33.75 NNE	No Data +- No Data	0
33.76 - 56.25 NE	18.2 +- 2.6	3
56.26 - 78.75 ENE	19.4 +- 1.7	2
78.76 - 101.25 E	18.0 +- 1.7	2
101.26 - 123.75 ESE	17.5 +- 1.7	4
123.76 - 146.25 SE	19.8 +- 1.3	2
146.26 - 168.75 SSE	18.0 +- 1.6	2
168.76 - 191.25 S	19.3 +- 1.2	3
191.26 - 213.75 SSW	18.4 +- 0.9	2
213.76 - 236.25 SW	18.9 +- 1.2	5
236.26 - 258.75 WSW	20.2 +- 1.7	2
258.76 - 281.25 W	18.3 +- 0.7	2
281.26 - 303.75 WNW	18.8 +- 2.2	2
303.76 - 326.25 NW	18.3 +- 1.7	4
326.26 - 348.75 NNW	18.9 +- 2.5	5

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	18.9 +- 1.6	15
2 - 5	19.1 +- 1.4	8
> 5	18.3 +- 1.6	19
Upwind Control	16.1 +- 0.0	1

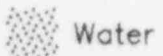
# NRC TLD DOSES FOR RIVER BEND AREA



Miles



## Legend



Water

Highways

Railroads

Roads



Plant..site

## ROBINSON

TLD Direct Radiation Environmental Monitoring

For the period 950614-951018 127 Days

Field Time: 86 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	191	0.2	18.3 +- 0.5; 2.7	14.3 +- 0.7; 4.2	14.3 +- 1.2
2	151	1.9	26.8 +- 0.8; 4.0	23.2 +- 0.9; 5.2	21.7 +- 2.0
3	134	2.0	24.0 +- 0.7; 3.6	20.3 +- 0.8; 4.8	17.7 +- 1.3
4	119	1.9	18.7 +- 0.6; 2.8	14.7 +- 0.7; 4.2	14.2 +- 0.9
5	89	2.1	22.4 +- 0.7; 3.4	18.6 +- 0.8; 4.6	17.8 +- 1.4
6	65	1.0	20.4 +- 0.6; 3.1	16.5 +- 0.7; 4.4	16.1 +- 1.1
7	46	1.8	22.3 +- 0.7; 3.3	18.5 +- 0.8; 4.6	16.9 +- 1.7
8	27	1.9	22.7 +- 0.7; 3.4	18.9 +- 0.8; 4.7	16.9 +- 1.2
9	22	3.5	21.7 +- 0.7; 3.3	17.8 +- 0.8; 4.5	16.3 +- 1.8
10	0	5.0	22.8 +- 0.7; 3.4	19.0 +- 0.8; 4.7	17.9 +- 1.3
11	51	4.8	24.7 +- 0.7; 3.7	21.0 +- 0.9; 4.9	19.2 +- 1.1
12	67	4.1	19.5 +- 0.6; 2.9	15.6 +- 0.7; 4.3	14.5 +- 1.6
13	87	4.5	21.3 +- 0.6; 3.2	17.5 +- 0.8; 4.5	15.4 +- 1.0
14	109	5.0	22.7 +- 0.7; 3.4	18.9 +- 0.8; 4.7	15.9 +- 1.2
15	118	4.8	22.0 +- 0.7; 3.3	18.1 +- 0.8; 4.6	16.2 +- 2.0
16	138	5.3	21.5 +- 0.6; 3.2	17.7 +- 0.8; 4.5	16.7 +- 1.4
17	115	17.1	21.7 +- 0.7; 3.3	17.9 +- 0.8; 4.5	15.3 +- 1.8
18	199	12.6	21.6 +- 0.6; 3.2	17.8 +- 0.8; 4.5	16.3 +- 1.0
19	208	4.8	26.1 +- 0.8; 3.9	22.5 +- 0.9; 5.1	21.8 +- 2.4
20	225	4.0	25.1 +- 0.8; 3.8	21.4 +- 0.9; 5.0	19.4 +- 1.3
21	178	4.6	18.0 +- 0.5; 2.7	14.0 +- 0.7; 4.1	12.7 +- 1.2
22	167	3.7	22.0 +- 0.7; 3.3	18.1 +- 0.8; 4.6	16.1 +- 1.0
23	181	2.3	20.1 +- 0.6; 3.0	16.2 +- 0.7; 4.4	15.4 +- 1.1
24	194	2.0	24.3 +- 0.7; 3.6	20.5 +- 0.8; 4.9	19.0 +- 1.2
25	228	2.1	22.6 +- 0.7; 3.4	18.8 +- 0.8; 4.7	18.0 +- 1.2
26	245	1.5	19.2 +- 0.6; 2.9	15.3 +- 0.7; 4.3	14.1 +- 1.5
27	273	1.8	17.9 +- 0.5; 2.7	13.9 +- 0.7; 4.1	13.6 +- 1.2
28	287	2.0	19.0 +- 0.6; 2.9	15.1 +- 0.7; 4.2	13.3 +- 1.1
29	311	1.6	21.9 +- 0.7; 3.3	18.1 +- 0.8; 4.6	17.3 +- 0.9
30	334	1.9	21.8 +- 0.7; 3.3	17.9 +- 0.8; 4.6	16.2 +- 1.7
31	351	2.1	19.7 +- 0.6; 3.0	15.8 +- 0.7; 4.3	15.0 +- 2.0
32	333	4.0	21.4 +- 0.6; 3.2	17.5 +- 0.8; 4.5	16.3 +- 1.2
33	318	4.7	22.6 +- 0.7; 3.4	18.8 +- 0.8; 4.7	17.7 +- 1.2
34	310	6.9	20.4 +- 0.6; 3.1	16.5 +- 0.7; 4.4	15.5 +- 1.9
35	295	4.0	27.2 +- 0.8; 4.1	23.6 +- 0.9; 5.2	20.6 +- 1.3
36	269	4.8	22.1 +- 0.7; 3.3	18.2 +- 0.8; 4.6	18.3 +- 1.7
37	252	4.6	23.3 +- 0.7; 3.5	19.6 +- 0.8; 4.7	17.3 +- 1.3
38	274	10.7	27.2 +- 0.8; 4.1	23.6 +- 0.9; 5.2	18.4 +- 3.3
39	286	15.3	19.8 +- 0.6; 3.0	15.9 +- 0.7; 4.3	14.9 +- 1.3
40	289	16.5	19.7 +- 0.6; 3.0	15.8 +- 0.7; 4.3	14.1 +- 1.1
41	291	17.5	20.1 +- 0.6; 3.0	16.2 +- 0.7; 4.4	15.2 +- 1.4

Transit Dose = 4.6 +- 0.4; 2.9

ROBINSON

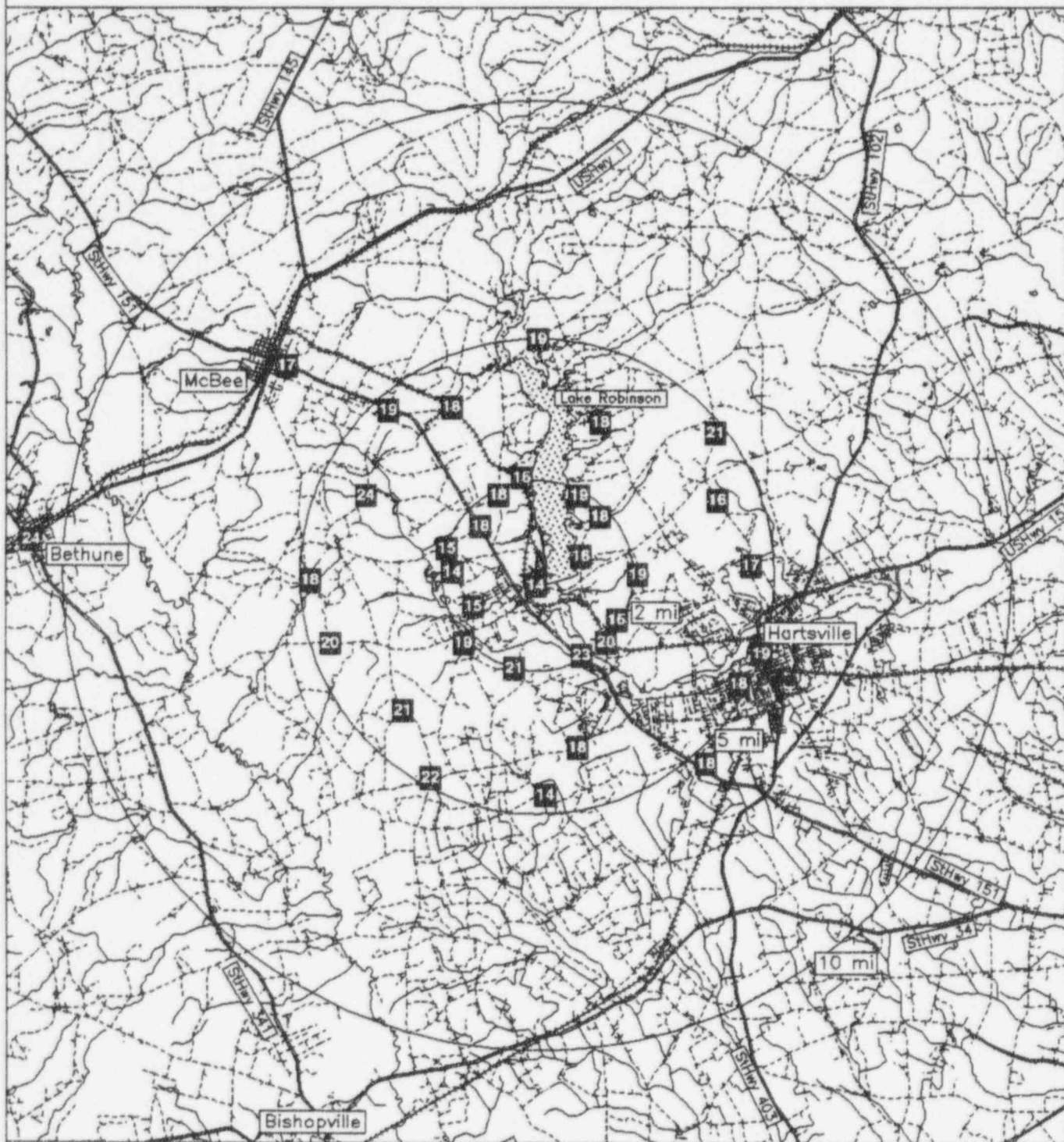
For the period 950614-951018

## TLD Direct Radiation Environmental Monitoring

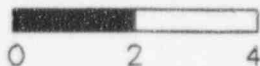
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	17.4 +- 2.3	2
11.26 - 33.75 NNE	18.3 +- 0.7	2
33.76 - 56.25 NE	19.8 +- 1.8	2
56.26 - 78.75 ENE	16.0 +- 0.6	2
78.76 - 101.25 E	18.0 +- 0.8	2
101.26 - 123.75 ESE	17.4 +- 1.9	4
123.76 - 146.25 SE	19.0 +- 1.9	2
146.26 - 168.75 SSE	20.7 +- 3.6	2
168.76 - 191.25 S	14.8 +- 1.2	3
191.26 - 213.75 SSW	20.3 +- 2.4	3
213.76 - 236.25 SW	20.1 +- 1.8	2
236.26 - 258.75 WSW	17.4 +- 3.1	2
258.76 - 281.25 W	18.6 +- 4.9	3
281.26 - 303.75 WNW	19.3 +- 6.0	2
303.76 - 326.25 NW	17.8 +- 1.2	3
326.26 - 348.75 NNW	17.7 +- 0.3	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	17.5 +- 2.8	13
2 - 5	18.6 +- 2.3	20
> 5	18.7 +- 2.8	5
Upwind Control	16.0 +- 0.2	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 950615-951017 125 Days  
 Field Time: 92 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
17	331	4.2	18.6 +- 0.6; 2.8	16.2 +- 0.6; 3.9	16.8 +- 1.8
18	320	3.8	16.2 +- 0.5; 2.4	13.8 +- 0.6; 3.7	13.8 +- 1.0
19	299	3.4	18.5 +- 0.6; 2.8	16.1 +- 0.6; 3.9	15.9 +- 1.2
20	330	9.5	22.2 +- 0.7; 3.3	19.6 +- 0.7; 4.3	19.4 +- 1.3
21	276	3.6	21.0 +- 0.6; 3.1	18.4 +- 0.7; 4.1	18.0 +- 1.2
22	266	4.7	20.4 +- 0.6; 3.1	17.9 +- 0.7; 4.1	17.6 +- 0.8
23	257	4.4	19.5 +- 0.6; 2.9	17.0 +- 0.6; 4.0	17.3 +- 1.1
24	240	4.4	20.4 +- 0.6; 3.1	17.8 +- 0.7; 4.1	17.8 +- 1.0
25	217	4.9	19.7 +- 0.6; 3.0	17.2 +- 0.6; 4.0	17.6 +- 1.2
26	204	3.9	19.2 +- 0.6; 2.9	16.7 +- 0.6; 4.0	16.3 +- 1.1
27	188	4.2	21.3 +- 0.6; 3.2	18.7 +- 0.7; 4.2	18.9 +- 2.3
28	319	18.1	23.1 +- 0.7; 3.5	20.5 +- 0.7; 4.4	19.4 +- 1.7
29	265	6.7	17.9 +- 0.5; 2.7	15.4 +- 0.6; 3.8	14.7 +- 1.0
30	340	12.2	17.9 +- 0.5; 2.7	15.4 +- 0.6; 3.8	14.2 +- 1.2
31	0	18.2	19.0 +- 0.6; 2.9	16.5 +- 0.6; 3.9	17.0 +- 1.0
32	338	8.1	17.5 +- 0.5; 2.6	15.0 +- 0.6; 3.8	15.2 +- 1.1
33	265	9.8	18.7 +- 0.6; 2.8	16.2 +- 0.6; 3.9	17.4 +- 1.1
34	207	11.6	19.7 +- 0.6; 3.0	17.2 +- 0.6; 4.0	16.6 +- 1.1

Transit Dose = 2.1 +- 0.3; 2.8



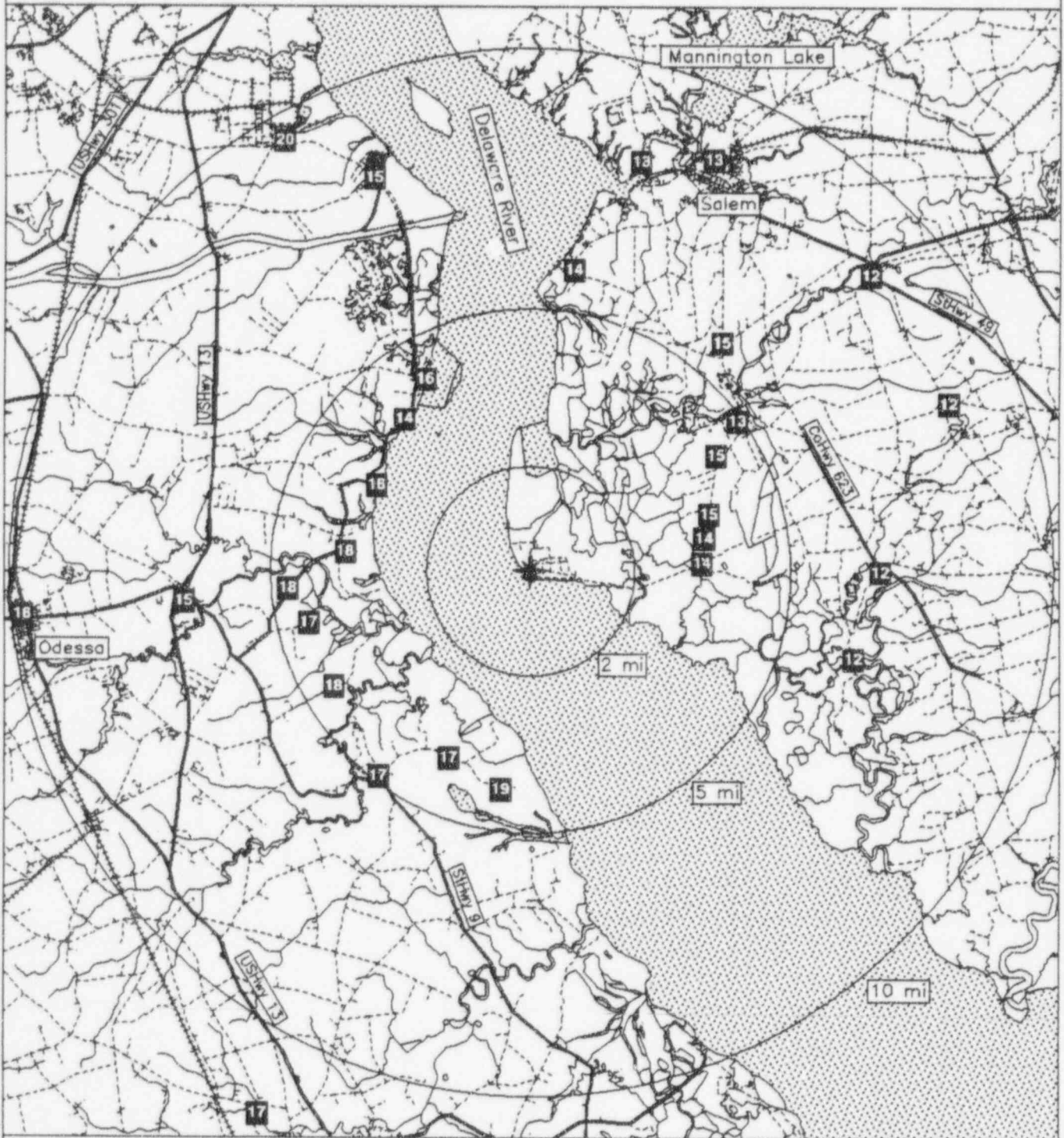
SALEM (DE)  
For the period 950615-951017

TLD Direct Radiation Environmental Monitoring

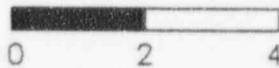
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	No Data +- No Data	0
11.26 - 33.75 NNE	No Data +- No Data	0
33.76 - 56.25 NE	No Data +- No Data	0
56.26 - 78.75 ENE	No Data +- No Data	0
78.76 - 101.25 E	No Data +- No Data	0
101.26 - 123.75 ESE	No Data +- 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	18.7 +- 0.0	1
191.26 - 213.75 SSW	17.0 +- 0.3	2
213.76 - 236.25 SW	17.2 +- 0.0	1
236.26 - 258.75 WSW	17.4 +- 0.6	2
258.76 - 281.25 W	17.0 +- 1.4	4
281.26 - 303.75 WNW	16.0 +- 0.0	1
303.76 - 326.25 NW	13.8 +- 0.0	1
326.26 - 348.75 NNW	16.9 +- 2.4	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	17.0 +- 1.4	10
> 5	16.7 +- 1.8	5
Upwind Control	17.5 +- 2.7	3

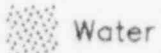
# NRC TLD DOSES FOR SALEM - HOPE CREEK AREA



Miles



### Legend



Water

Highways

Railroads

Roads



Plant..site

SALEM (NJ)

TLD Direct Radiation Environmental Monitoring

For the period 950615-951017 125 Days

Field Time: 92 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	87	3.3	16.3 +- 0.5; 2.4	14.1 +- 0.6; 3.7	14.0 +- 0.7
2	79	3.4	16.4 +- 0.5; 2.5	14.2 +- 0.6; 3.7	14.1 +- 0.9
3	72	3.6	17.7 +- 0.5; 2.7	15.4 +- 0.6; 3.8	16.8 +- 2.3
4	58	4.2	17.0 +- 0.5; 2.5	14.7 +- 0.6; 3.7	15.2 +- 1.4
5	54	4.9	15.6 +- 0.5; 2.3	13.3 +- 0.5; 3.6	13.2 +- 0.9
6	68	8.6	13.8 +- 0.4; 2.1	11.6 +- 0.5; 3.4	11.9 +- 0.9
7	40	5.7	16.7 +- 0.5; 2.5	14.5 +- 0.6; 3.7	13.8 +- 0.9
8	116	12.0	14.9 +- 0.4; 2.2	12.7 +- 0.5; 3.5	13.6 +- 0.6
10	8	5.8	16.2 +- 0.5; 2.4	14.0 +- 0.6; 3.6	13.8 +- 0.9
11	15	8.1	15.3 +- 0.5; 2.3	13.1 +- 0.5; 3.6	13.1 +- 0.7
12	24	8.6	14.8 +- 0.4; 2.2	12.6 +- 0.5; 3.5	13.2 +- 0.8
13	49	8.6	14.2 +- 0.4; 2.1	12.0 +- 0.5; 3.5	12.6 +- 0.7
14	90	6.7	13.8 +- 0.4; 2.1	11.7 +- 0.5; 3.4	12.2 +- 0.9
15	105	6.4	13.8 +- 0.4; 2.1	11.6 +- 0.5; 3.4	12.1 +- 0.8

Transit Dose = 1.9 +- 0.3; 2.8

SALEM (NJ)

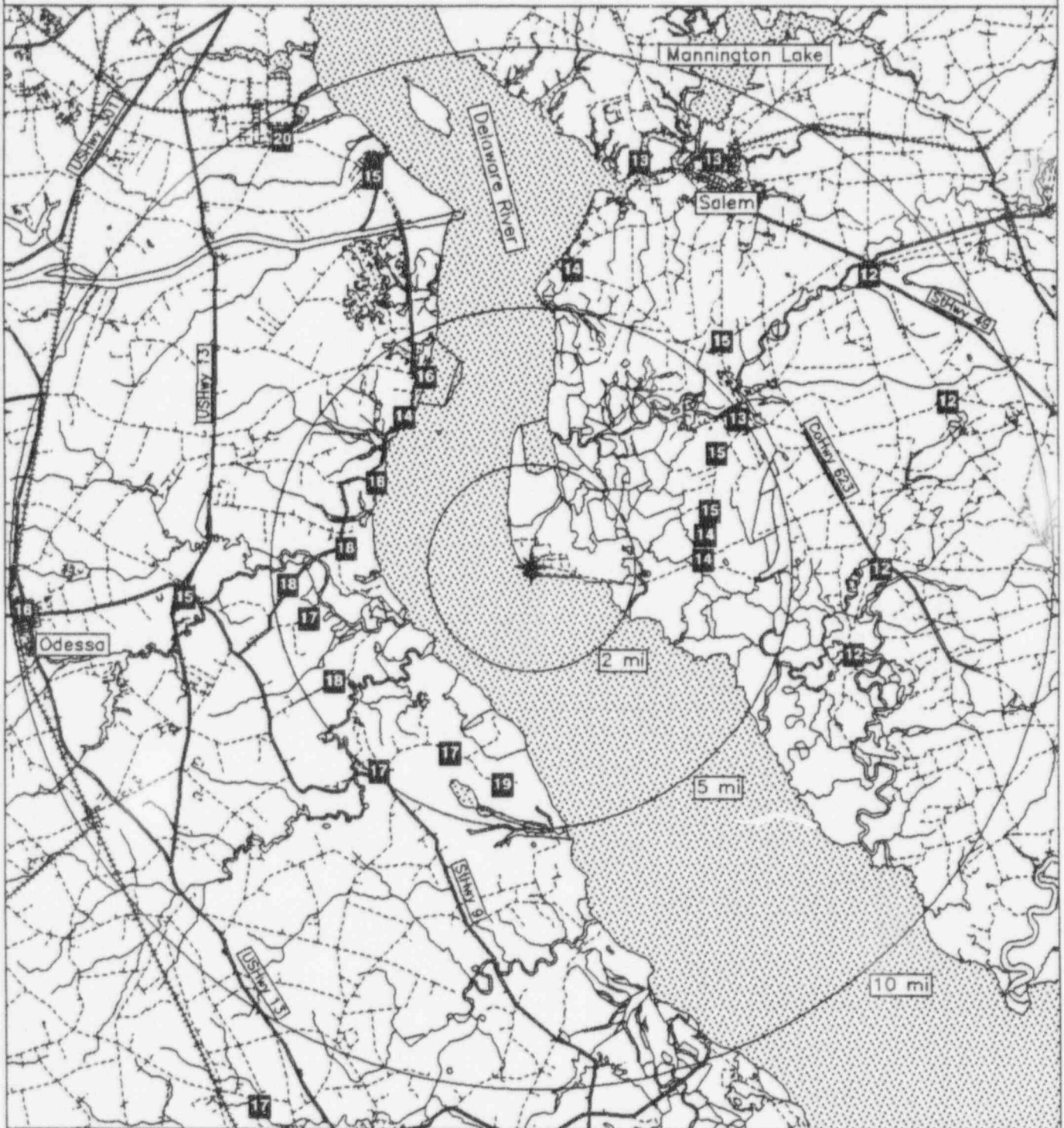
For the period 950615-951017

## TLD Direct Radiation Environmental Monitoring

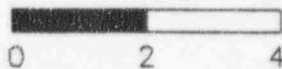
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	14.0 +- 0.0	1
11.26 - 33.75 NNE	12.9 +- 0.3	2
33.76 - 56.25 NE	13.3 +- 1.2	3
56.26 - 78.75 ENE	13.9 +- 2.0	3
78.76 - 101.25 E	13.3 +- 1.4	3
101.26 - 123.75 ESE	12.1 +- 0.7	2
123.76 - 146.25 SE	No Data +- No 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	14.3 +- 0.8	5
> 5	12.6 +- 1.1	9
Upwind Control	No Data +- No Data	0






NRC TLD DOSES FOR SALEM - HOPE CREEK AREA



Miles



Legend

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

SAN ONOFRE  
 TLD Direct Radiation Environmental Monitoring  
 For the period 950611-951101 144 Days  
 Field Time: 100 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	346	35.0	32.5 +- 1.0; 4.9	24.5 +- 1.0; 5.3	23.5 +- 1.5
2	346	35.0	32.5 +- 1.0; 4.9	24.5 +- 1.0; 5.3	23.1 +- 1.5
3	346	35.0	31.0 +- 0.9; 4.7	23.2 +- 0.9; 5.2	23.3 +- 1.7
4	327	11.0	24.1 +- 0.7; 3.6	16.9 +- 0.7; 4.4	16.7 +- 1.8
5	308	14.0	27.3 +- 0.8; 4.1	19.7 +- 0.8; 4.8	19.4 +- 1.5
6	307	10.0	25.3 +- 0.8; 3.8	17.9 +- 0.8; 4.5	17.0 +- 1.5
7	318	6.3	24.3 +- 0.7; 3.6	17.1 +- 0.8; 4.5	17.6 +- 1.5
8	322	5.1	27.4 +- 0.8; 4.1	19.9 +- 0.8; 4.8	19.4 +- 1.5
9	311	3.3	23.9 +- 0.7; 3.6	16.8 +- 0.7; 4.4	17.5 +- 1.7
10	331	3.3	26.9 +- 0.8; 4.0	19.4 +- 0.8; 4.7	19.6 +- 2.8
11	300	2.6	27.0 +- 0.8; 4.1	19.5 +- 0.8; 4.7	19.1 +- 1.6
12	285	0.5	24.3 +- 0.7; 3.6	17.0 +- 0.8; 4.4	20.0 +- 3.0
13	320	2.4	24.3 +- 0.7; 3.7	17.1 +- 0.8; 4.5	17.8 +- 2.0
14	320	1.7	24.6 +- 0.7; 3.7	17.4 +- 0.8; 4.5	17.7 +- 1.6
15	333	1.2	26.6 +- 0.8; 4.0	19.2 +- 0.8; 4.7	18.3 +- 1.5
16	30	1.9	28.9 +- 0.9; 4.3	21.3 +- 0.9; 4.9	20.7 +- 2.0
17	8	1.3	22.4 +- 0.7; 3.4	15.4 +- 0.7; 4.3	15.6 +- 1.4
18	39	2.0	30.5 +- 0.9; 4.6	22.7 +- 0.9; 5.1	21.6 +- 1.4
19	55	2.9	Missing Dosimeter	No Net Data	18.3 +- 1.6
20	77	4.1	28.8 +- 0.9; 4.3	21.1 +- 0.9; 4.9	20.2 +- 1.6
21	87	4.7	29.1 +- 0.9; 4.4	21.4 +- 0.9; 4.9	20.3 +- 1.5
22	25	3.4	30.8 +- 0.9; 4.6	22.9 +- 0.9; 5.1	21.9 +- 1.8
23	357	3.5	28.1 +- 0.8; 4.2	20.5 +- 0.8; 4.8	20.4 +- 2.3
24	25	0.4	25.4 +- 0.8; 3.8	18.0 +- 0.8; 4.6	18.1 +- 1.5
25	81	0.4	25.4 +- 0.8; 3.8	18.1 +- 0.8; 4.6	17.7 +- 2.2
26	126	2.1	21.8 +- 0.7; 3.3	14.8 +- 0.7; 4.2	15.2 +- 1.6
27	130	8.6	21.8 +- 0.7; 3.3	14.9 +- 0.7; 4.2	15.3 +- 1.9
28	99	8.9	21.4 +- 0.6; 3.2	14.5 +- 0.7; 4.2	15.6 +- 2.1
29	135	11.0	23.4 +- 0.7; 3.5	16.3 +- 0.7; 4.4	15.9 +- 2.1
30	126	2.0	18.1 +- 0.5; 2.7	11.5 +- 0.6; 3.9	12.5 +- 1.8
31	128	3.7	21.6 +- 0.6; 3.2	14.6 +- 0.7; 4.2	14.5 +- 1.6
32	140	22.0	26.8 +- 0.8; 4.0	19.3 +- 0.8; 4.7	18.6 +- 2.2
33	120	26.0	21.5 +- 0.6; 3.2	14.5 +- 0.7; 4.2	15.3 +- 1.6

Transit Dose = 5.3 +- 0.4; 3.3

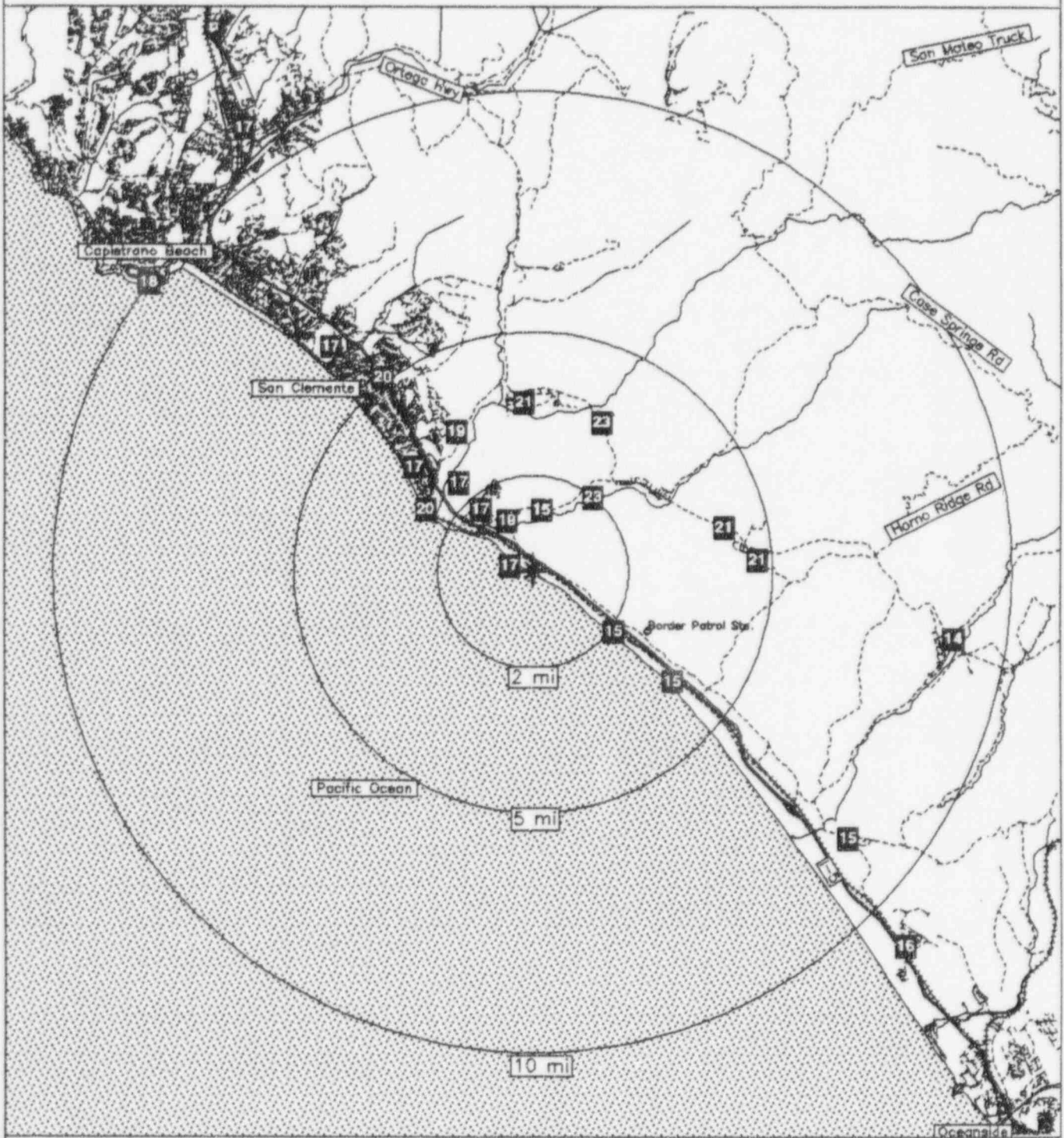
SAN ONOFRE  
For the period 950611-951101

TLD Direct Radiation Environmental Monitoring

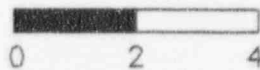
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	18.0 +- 3.6	2
11.26 - 33.75 NNE	20.7 +- 2.5	3
33.76 - 56.25 NE	22.7 +- 0.0	1
56.26 - 78.75 ENE	21.1 +- 0.0	1
78.76 - 101.25 E	18.0 +- 3.4	3
101.26 - 123.75 ESE	14.5 +- 0.0	1
123.76 - 146.25 SE	15.2 +- 2.5	6
146.26 - 168.75 SSE	No Data +- No Data	0
168.76 - 191.25 S	No Data +- No Data	0
191.26 - 213.75 SSW	No Data +- No Data	0
213.76 - 236.25 SW	No Data +- No Data	0
236.26 - 258.75 WSW	No Data +- No Data	0
258.76 - 281.25 W	No Data +- No Data	0
281.26 - 303.75 WNW	18.3 +- 1.8	2
303.76 - 326.25 NW	18.0 +- 1.3	7
326.26 - 348.75 NNW	18.5 +- 1.4	3

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	17.8 +- 3.2	9
2 - 5	18.8 +- 2.9	10
> 5	17.1 +- 2.1	10
Upwind Control	24.0 +- 0.8	3

# NRC TLD DOSES FOR SAN ONOFRE AREA



Miles



### Legend



Water



Highways



Railroads



Roads



Plant..site



## SEABROOK

TLD Direct Radiation Environmental Monitoring

For the period 950615-951017 125 Days

Field Time: 95 Days

NRC Sta	Location		Gross Exposure (mR)		Net Exposure Rate (mR/Std. Qtr.)		Hist. Range Net Exp Rate	
	Azimuth/Dist (Deg)/(Mi)		+Rdm;	Tot.	+Rdm;	Tot.	+1	Std Dev
1	154	0.6	22.1	+ 0.7; 3.3	16.7	+ 0.7; 4.3	17.3	+ 2.6
2	178	0.7	20.9	+ 0.6; 3.1	15.5	+ 0.7; 4.2	16.7	+ 2.3
3	207	0.7	21.2	+ 0.6; 3.2	15.8	+ 0.7; 4.2	16.2	+ 2.6
4	224	0.9	21.7	+ 0.7; 3.3	16.3	+ 0.7; 4.3	17.6	+ 2.7
5	243	1.2	20.5	+ 0.6; 3.1	15.2	+ 0.7; 4.2	16.1	+ 2.8
6	294	1.0	22.8	+ 0.7; 3.4	17.4	+ 0.7; 4.4	17.0	+ 2.4
7	267	0.7	20.8	+ 0.6; 3.1	15.5	+ 0.7; 4.2	16.5	+ 2.4
8	320	1.1	22.8	+ 0.7; 3.4	17.3	+ 0.7; 4.4	17.6	+ 2.8
9	329	1.6	25.3	+ 0.8; 3.8	19.8	+ 0.8; 4.7	19.2	+ 3.0
10	357	1.9	20.9	+ 0.6; 3.1	15.5	+ 0.7; 4.2	16.6	+ 2.5
11	18	2.5	20.5	+ 0.6; 3.1	15.2	+ 0.7; 4.2	17.1	+ 2.6
12	46	1.9	21.2	+ 0.6; 3.2	15.8	+ 0.7; 4.2	16.0	+ 2.2
13	83	1.7	22.5	+ 0.7; 3.4	17.1	+ 0.7; 4.4	17.0	+ 2.5
14	43	4.1	22.8	+ 0.7; 3.4	17.3	+ 0.7; 4.4	17.7	+ 2.6
15	358	4.2	21.9	+ 0.7; 3.3	16.5	+ 0.7; 4.3	17.6	+ 2.5
16	18	11.8	23.9	+ 0.7; 3.6	18.4	+ 0.8; 4.5	17.9	+ 2.6
17	321	7.4	23.5	+ 0.7; 3.5	18.0	+ 0.8; 4.5	18.8	+ 2.9
18	291	3.9	22.6	+ 0.7; 3.4	17.2	+ 0.7; 4.4	17.6	+ 2.3
19	267	3.7	22.2	+ 0.7; 3.3	16.8	+ 0.7; 4.3	17.0	+ 2.4
20	251	4.2	24.9	+ 0.7; 3.7	19.3	+ 0.8; 4.6	18.9	+ 3.1
21	228	4.7	21.4	+ 0.6; 3.2	16.0	+ 0.7; 4.2	16.6	+ 2.7
22	209	6.2	24.2	+ 0.7; 3.6	18.7	+ 0.8; 4.5	19.2	+ 2.6
23	187	6.5	24.0	+ 0.7; 3.6	18.5	+ 0.8; 4.5	19.0	+ 2.8
24	163	7.1	20.6	+ 0.6; 3.1	15.3	+ 0.7; 4.2	15.6	+ 2.5
25	174	4.0	19.7	+ 0.6; 3.0	14.4	+ 0.7; 4.1	16.0	+ 3.0
26	157	4.0	19.6	+ 0.6; 2.9	14.3	+ 0.7; 4.1	16.5	+ 2.7
27	136	2.4	20.9	+ 0.6; 3.1	15.6	+ 0.7; 4.2	17.0	+ 2.7
28	118	1.6	21.2	+ 0.6; 3.2	15.9	+ 0.7; 4.2	16.0	+ 2.3
30	67	2.1	23.2	+ 0.7; 3.5	17.7	+ 0.7; 4.4	18.2	+ 2.7
31	335	5.5	22.5	+ 0.7; 3.4	17.1	+ 0.7; 4.4	17.9	+ 2.6
32	318	3.2	23.9	+ 0.7; 3.6	18.4	+ 0.8; 4.5	18.6	+ 2.9
33	230	19.3	22.1	+ 0.7; 3.3	16.7	+ 0.7; 4.3	17.3	+ 3.4
34	230	19.3	23.2	+ 0.7; 3.5	17.8	+ 0.7; 4.4	17.9	+ 3.1
35	230	19.3	23.5	+ 0.7; 3.5	18.0	+ 0.8; 4.5	19.2	+ 3.7

Transit Dose = 4.5 +- 0.4; 3.1

## SEABROOK

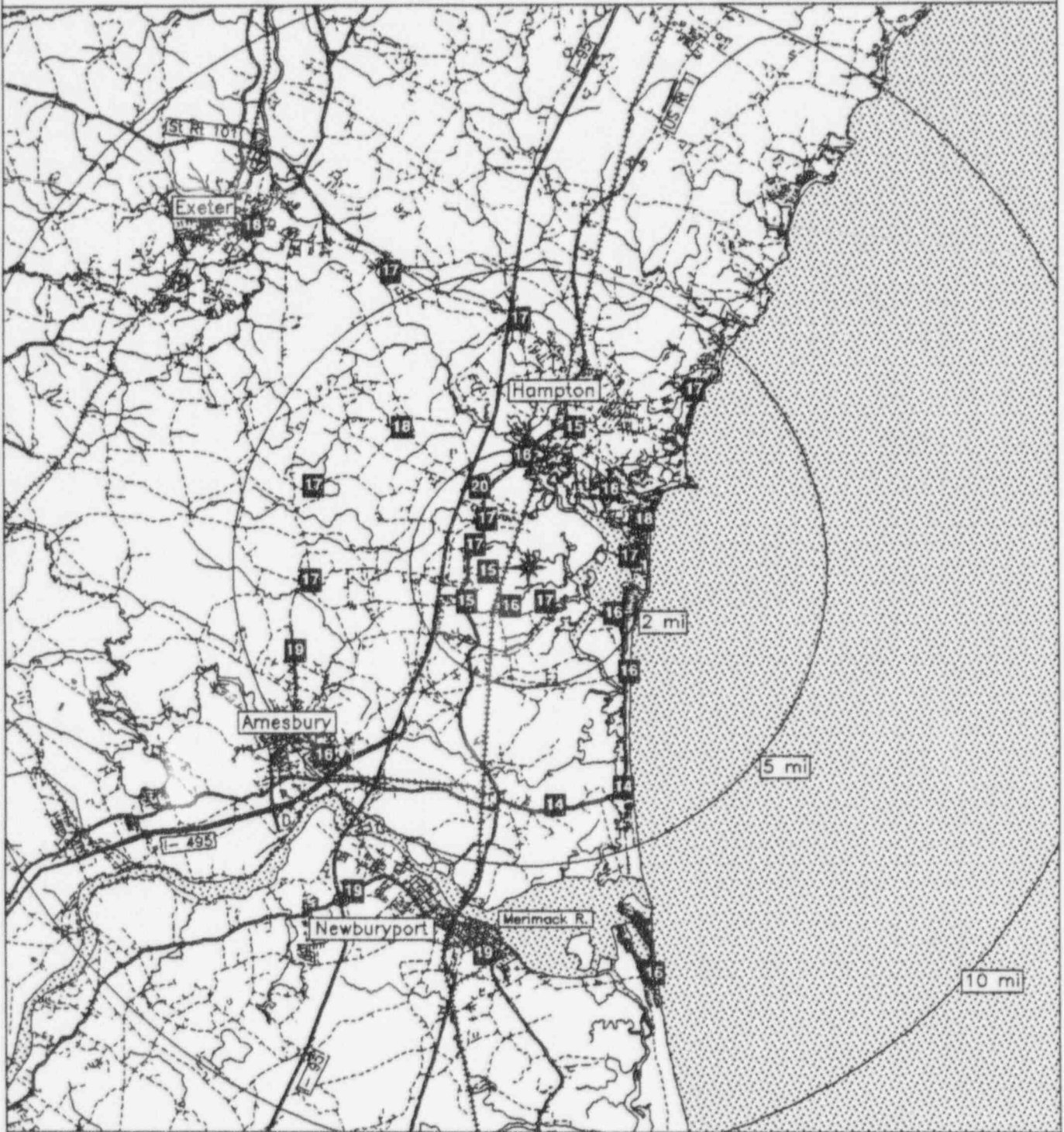
For the period 950615-951017

## TLD Direct Radiation Environmental Monitoring

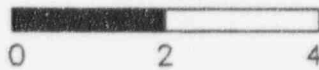
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	16.0 +- 0.7	2
11.26 - 33.75 NNE	16.8 +- 2.3	2
33.76 - 56.25 NE	16.6 +- 1.1	2
56.26 - 78.75 ENE	17.7 +- 0.0	1
78.76 - 101.25 E	17.1 +- 0.0	1
101.26 - 123.75 ESE	15.9 +- 0.0	1
123.76 - 146.25 SE	15.6 +- 0.0	1
146.26 - 168.75 SSE	15.4 +- 1.2	3
168.76 - 191.25 S	16.2 +- 2.1	3
191.26 - 213.75 SSW	17.3 +- 2.0	2
213.76 - 236.25 SW	16.8 +- 1.1	3
236.26 - 258.75 WSW	17.3 +- 2.9	2
258.76 - 281.25 W	16.1 +- 0.9	2
281.26 - 303.75 WNW	17.3 +- 0.1	2
303.76 - 326.25 NW	17.7 +- 0.5	2
326.26 - 348.75 NNW	18.4 +- 1.9	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	16.4 +- 1.2	13
2 - 5	16.4 +- 1.5	11
> 5	17.7 +- 1.2	7
Upwind Control	17.6 +- 0.8	3

# NRC TLD DOSES FOR SEABROOK AREA



Miles



## Legend



Water



Highways

--- Railroads

--- Roads



Plant..site

## SEQUOYAH

TLD Direct Radiation Environmental Monitoring

For the period 950614-951024 133 Days

Field Time: 108 Days

NRC Sta	Location		Gross Exposure (mR)		Net Exposure Rate (mR/Std. Qtr.)		Hist. Range Net Exp Rate	
	Azimuth/Dist (Deg)/(Mi)		+Rdm; Tot.		+Rdm; Tot.		+1 Std Dev	
1	218	12.0	20.5	+ - 0.6; 3.1	17.1	+ - 0.5; 3.6	16.8	+ - 1.6
2	206	13.0	20.6	+ - 0.6; 3.1	17.2	+ - 0.6; 3.6	14.3	+ - 1.4
3	203	3.9	25.3	+ - 0.8; 3.8	21.1	+ - 0.7; 4.1	20.0	+ - 1.6
4	199	2.0	21.1	+ - 0.6; 3.2	17.6	+ - 0.6; 3.7	16.7	+ - 1.7
5	181	1.4	24.8	+ - 0.7; 3.7	20.7	+ - 0.7; 4.0	21.0	+ - 1.6
6	153	1.5	19.6	+ - 0.6; 2.9	16.4	+ - 0.5; 3.6	15.5	+ - 1.4
7	139	1.9	17.8	+ - 0.5; 2.7	14.9	+ - 0.5; 3.4	14.7	+ - 1.3
8	115	1.8	20.7	+ - 0.6; 3.1	17.2	+ - 0.6; 3.6	16.0	+ - 1.9
9	84	1.6	17.6	+ - 0.5; 2.6	14.7	+ - 0.5; 3.4	13.7	+ - 1.6
10	66	1.3	18.3	+ - 0.6; 2.8	15.3	+ - 0.5; 3.5	15.6	+ - 1.5
11	45	1.5	20.5	+ - 0.6; 3.1	17.1	+ - 0.5; 3.6	16.6	+ - 1.6
12	14	2.0	23.0	+ - 0.7; 3.4	19.1	+ - 0.6; 3.9	18.6	+ - 1.3
13	2	2.1	23.2	+ - 0.7; 3.5	19.3	+ - 0.6; 3.9	18.8	+ - 1.6
14	19	3.9	19.7	+ - 0.6; 3.0	16.4	+ - 0.5; 3.6	15.9	+ - 1.4
15	48	4.0	16.2	+ - 0.5; 2.4	13.5	+ - 0.5; 3.3	13.6	+ - 1.4
16	65	4.9	19.0	+ - 0.6; 2.8	15.8	+ - 0.5; 3.5	15.8	+ - 1.1
17	90	3.9	18.7	+ - 0.6; 2.8	15.6	+ - 0.5; 3.5	17.2	+ - 1.8
18	111	3.4	19.1	+ - 0.6; 2.9	15.9	+ - 0.5; 3.5	16.1	+ - 1.7
19	135	3.4	19.2	+ - 0.6; 2.9	16.0	+ - 0.5; 3.5	16.1	+ - 1.2
20	158	3.4	17.7	+ - 0.5; 2.6	14.7	+ - 0.5; 3.4	14.3	+ - 2.0
21	184	4.6	21.2	+ - 0.6; 3.2	17.7	+ - 0.6; 3.7	18.5	+ - 2.6
22	233	11.0	17.7	+ - 0.5; 2.7	14.8	+ - 0.5; 3.4	14.3	+ - 1.5
23	219	4.9	22.3	+ - 0.7; 3.4	18.6	+ - 0.6; 3.8	17.7	+ - 1.7
24	241	4.3	20.1	+ - 0.6; 3.0	16.7	+ - 0.5; 3.6	15.5	+ - 1.5
25	235	2.0	16.3	+ - 0.5; 2.4	13.6	+ - 0.5; 3.3	13.2	+ - 1.2
26	248	1.5	18.6	+ - 0.6; 2.8	15.5	+ - 0.5; 3.5	15.4	+ - 2.1
27	266	1.2	18.7	+ - 0.6; 2.8	15.6	+ - 0.5; 3.5	14.7	+ - 1.3
28	291	1.2	19.8	+ - 0.6; 3.0	16.5	+ - 0.5; 3.6	15.7	+ - 1.6
29	309	1.2	19.8	+ - 0.6; 3.0	16.5	+ - 0.5; 3.6	15.9	+ - 1.6
30	330	0.5	21.5	+ - 0.6; 3.2	17.9	+ - 0.6; 3.7	16.7	+ - 1.5
31	339	1.8	20.9	+ - 0.6; 3.1	17.4	+ - 0.6; 3.7	16.8	+ - 1.4
32	355	4.9	19.3	+ - 0.6; 2.9	16.1	+ - 0.5; 3.5	14.8	+ - 1.3
33	334	3.6	18.7	+ - 0.6; 2.8	15.6	+ - 0.5; 3.5	14.6	+ - 1.6
34	317	4.4	18.9	+ - 0.6; 2.8	15.8	+ - 0.5; 3.5	15.3	+ - 1.9
35	277	5.6	20.2	+ - 0.6; 3.0	16.9	+ - 0.5; 3.6	16.3	+ - 1.5
36	283	3.6	18.0	+ - 0.5; 2.7	15.0	+ - 0.5; 3.4	14.3	+ - 1.3
37	273	4.4	18.9	+ - 0.6; 2.8	15.7	+ - 0.5; 3.5	15.2	+ - 1.6
38	302	19.0	19.4	+ - 0.6; 2.9	16.2	+ - 0.5; 3.5	15.2	+ - 1.5
39	290	18.0	20.2	+ - 0.6; 3.0	16.9	+ - 0.5; 3.6	16.3	+ - 1.3
40	289	18.0	17.2	+ - 0.5; 2.6	14.3	+ - 0.5; 3.4	14.9	+ - 1.4
41	318	6.1	18.9	+ - 0.6; 2.8	15.8	+ - 0.5; 3.5	15.8	+ - 1.4

Transit Dose = 0.0 + - 0.2; 3.1

## SEQUOYAH

For the period 950614-951024

## TLD Direct Radiation Environmental Monitoring

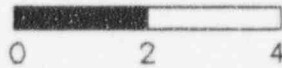
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	17.7 +- 2.3	2
11.26 - 33.75 NNE	17.8 +- 1.9	2
33.76 - 56.25 NE	15.3 +- 2.5	2
56.26 - 78.75 ENE	15.5 +- 0.4	2
78.76 - 101.25 E	15.2 +- 0.7	2
101.26 - 123.75 ESE	16.6 +- 0.9	2
123.76 - 146.25 SE	15.4 +- 0.8	2
146.26 - 168.75 SSE	15.5 +- 1.2	2
168.76 - 191.25 S	19.2 +- 2.1	2
191.26 - 213.75 SSW	18.6 +- 2.2	3
213.76 - 236.25 SW	16.0 +- 2.3	4
236.26 - 258.75 WSW	16.1 +- 0.8	2
258.76 - 281.25 W	16.1 +- 0.7	3
281.26 - 303.75 WNW	15.7 +- 1.0	2
303.76 - 326.25 NW	16.0 +- 0.4	3
326.26 - 348.75 NNW	17.0 +- 1.2	3

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	16.6 +- 1.8	16
2 - 5	16.5 +- 1.8	17
> 5	16.3 +- 1.0	5
Upwind Control	15.8 +- 1.3	3

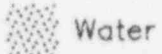
# NRC TLD DOSES FOR SEQUOYAH AREA



Miles



## Legend



Water

--- Railroads



Plant..site

— Highways

--- Roads

## SHOREHAM

TLD Direct Radiation Environmental Monitoring

For the period 950615-951017 125 Days

Field Time: 90 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	262	10.0	15.8 +- 0.5; 2.4	13.4 +- 0.6; 3.7	13.6 +- 1.2
2	268	4.4	18.1 +- 0.5; 2.7	15.8 +- 0.6; 3.9	14.5 +- 1.1
3	256	3.2	16.0 +- 0.5; 2.4	13.6 +- 0.6; 3.7	13.7 +- 1.5
4	268	2.1	17.7 +- 0.5; 2.7	15.3 +- 0.6; 3.9	14.8 +- 0.9
5	243	1.7	17.8 +- 0.5; 2.7	15.4 +- 0.6; 3.9	14.4 +- 1.2
7	136	1.5	16.7 +- 0.5; 2.5	14.3 +- 0.6; 3.8	15.3 +- 2.4
8	116	0.9	20.3 +- 0.6; 3.0	18.0 +- 0.7; 4.1	17.2 +- 1.2
9	91	0.8	17.4 +- 0.5; 2.6	15.0 +- 0.6; 3.8	13.9 +- 1.0
10	73	0.7	16.3 +- 0.5; 2.4	13.9 +- 0.6; 3.7	13.1 +- 1.1
11	62	0.7	14.9 +- 0.4; 2.2	12.5 +- 0.5; 3.6	12.6 +- 1.2
12	75	1.6	17.4 +- 0.5; 2.6	15.0 +- 0.6; 3.8	13.8 +- 1.0
13	88	2.1	17.9 +- 0.5; 2.7	15.5 +- 0.6; 3.9	14.6 +- 1.2
14	119	4.6	17.0 +- 0.5; 2.5	14.6 +- 0.6; 3.8	13.4 +- 1.1
15	110	10.0	16.3 +- 0.5; 2.4	13.9 +- 0.6; 3.7	14.4 +- 1.4
16	138	14.0	15.9 +- 0.5; 2.4	13.5 +- 0.6; 3.7	13.5 +- 1.2
17	162	12.0	15.9 +- 0.5; 2.4	13.6 +- 0.6; 3.7	13.7 +- 2.1
18	174	11.0	17.5 +- 0.5; 2.6	15.1 +- 0.6; 3.8	14.0 +- 1.5
19	189	5.1	20.2 +- 0.6; 3.0	17.9 +- 0.7; 4.1	14.0 +- 1.2
21	163	2.5	Missing Dosimeter	No Net Data	13.6 +- 1.3
22	149	1.5	Damaged Dosimeter	No Net Data	14.8 +- 1.4
23	177	1.3	16.4 +- 0.5; 2.5	14.1 +- 0.6; 3.7	14.2 +- 1.4
24	196	1.2	16.4 +- 0.5; 2.5	14.0 +- 0.6; 3.7	13.7 +- 1.0
25	217	1.5	20.1 +- 0.6; 3.0	17.8 +- 0.7; 4.1	13.3 +- 1.6
26	215	4.6	15.5 +- 0.5; 2.3	13.1 +- 0.6; 3.6	12.4 +- 1.0
27	205	4.2	17.3 +- 0.5; 2.6	15.0 +- 0.6; 3.8	13.9 +- 1.1
28	233	11.0	17.0 +- 0.5; 2.5	14.6 +- 0.6; 3.8	13.4 +- 1.0
29	224	13.0	15.1 +- 0.5; 2.3	12.7 +- 0.5; 3.6	12.7 +- 1.2
30	202	14.0	15.9 +- 0.5; 2.4	13.5 +- 0.6; 3.7	13.9 +- 1.0
31	210	15.0	16.0 +- 0.5; 2.4	13.6 +- 0.6; 3.7	13.0 +- 1.0
32	210	15.0	15.6 +- 0.5; 2.3	13.3 +- 0.6; 3.7	13.6 +- 1.4
33	210	15.0	15.8 +- 0.5; 2.4	13.4 +- 0.6; 3.7	12.8 +- 1.2
34	27	0.2	13.6 +- 0.4; 2.0	11.2 +- 0.5; 3.5	12.6 +- 2.2
35	50	0.3	16.9 +- 0.5; 2.5	14.6 +- 0.6; 3.8	15.2 +- 1.2
36	133	3.9	17.8 +- 0.5; 2.7	15.4 +- 0.6; 3.9	14.7 +- 1.2

Transit Dose = 2.4 +- 0.3; 2.8

## SHOREHAM

For the period 950615-951017

## TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	No Data +- No Data	0
11.26 - 33.75 NNE	11.2 +- 0.0	1
33.76 - 56.25 NE	14.6 +- 0.0	1
56.26 - 78.75 ENE	13.8 +- 1.2	3
78.76 - 101.25 E	15.3 +- 0.4	2
101.26 - 123.75 ESE	15.5 +- 2.2	3
123.76 - 146.25 SE	14.4 +- 1.0	3
146.26 - 168.75 SSE	13.6 +- 0.0	1
168.76 - 191.25 S	15.7 +- 2.0	3
191.26 - 213.75 SSW	14.2 +- 0.7	3
213.76 - 236.25 SW	14.5 +- 2.3	4
236.26 - 258.75 WSW	14.5 +- 1.3	2
258.76 - 281.25 W	14.8 +- 1.2	3
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

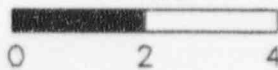
Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	14.6 +- 1.9	12
2 - 5	14.8 +- 1.0	8
> 5	14.2 +- 1.5	9
Upwind Control	13.4 +- 0.2	3



# NRC TLD DOSES FOR SHOREHAM AREA



Miles



### Legend



Water



Highways



Railroads



Roads



Plant..site

## SOUTH TEXAS

TLD Direct Radiation Environmental Monitoring

For the period 950611-951115 158 Days

Field Time: 111 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	90	1.0	22.6 +- 0.7; 3.4	16.8 +- 0.7; 4.1	16.1 +- 1.9
2	63	1.0	22.8 +- 0.7; 3.4	17.0 +- 0.7; 4.1	16.9 +- 1.4
3	40	1.0	23.9 +- 0.7; 3.6	17.9 +- 0.7; 4.2	17.3 +- 1.4
4	19	1.0	24.0 +- 0.7; 3.6	18.0 +- 0.7; 4.2	16.3 +- 1.3
5	4	0.9	23.2 +- 0.7; 3.5	17.3 +- 0.7; 4.2	16.3 +- 1.3
6	339	0.9	24.0 +- 0.7; 3.6	17.9 +- 0.7; 4.2	16.6 +- 1.3
7	318	1.0	23.0 +- 0.7; 3.4	17.1 +- 0.7; 4.2	15.9 +- 1.1
8	294	1.1	28.1 +- 0.8; 4.2	21.3 +- 0.8; 4.6	18.8 +- 1.5
9	267	1.3	26.2 +- 0.8; 3.9	19.7 +- 0.7; 4.4	19.1 +- 1.4
10	126	0.3	20.9 +- 0.6; 3.1	15.4 +- 0.6; 4.0	15.0 +- 1.3
11	180	0.1	23.0 +- 0.7; 3.4	17.1 +- 0.7; 4.2	15.6 +- 1.8
12	257	0.5	20.7 +- 0.6; 3.1	15.3 +- 0.6; 4.0	14.5 +- 1.3
13	262	0.9	20.4 +- 0.6; 3.1	15.0 +- 0.6; 3.9	14.6 +- 1.4
14	250	1.3	20.6 +- 0.6; 3.1	15.2 +- 0.6; 4.0	15.1 +- 1.3
15	227	2.4	20.4 +- 0.6; 3.1	15.1 +- 0.6; 4.0	13.9 +- 1.3
16	210	3.7	19.0 +- 0.6; 2.9	13.9 +- 0.6; 3.8	13.5 +- 1.4
17	175	3.6	19.6 +- 0.6; 2.9	14.4 +- 0.6; 3.9	13.7 +- 1.1
18	158	3.7	19.8 +- 0.6; 3.0	14.6 +- 0.6; 3.9	14.0 +- 1.5
19	143	3.3	19.6 +- 0.6; 2.9	14.4 +- 0.6; 3.9	13.4 +- 1.2
20	122	2.3	21.6 +- 0.6; 3.2	16.0 +- 0.7; 4.0	14.9 +- 1.3
21	121	1.1	21.6 +- 0.6; 3.2	16.1 +- 0.7; 4.0	14.8 +- 1.3
22	257	2.5	24.1 +- 0.7; 3.6	18.0 +- 0.7; 4.2	16.3 +- 1.5
23	262	4.5	25.7 +- 0.8; 3.9	19.3 +- 0.7; 4.4	18.5 +- 1.6
24	282	4.7	23.6 +- 0.7; 3.5	17.6 +- 0.7; 4.2	16.3 +- 1.4
25	304	5.8	Missing Dosimeter	No Net Data	14.9 +- 1.6
26	242	5.4	24.1 +- 0.7; 3.6	18.0 +- 0.7; 4.2	16.1 +- 1.5
27	223	5.0	22.9 +- 0.7; 3.4	17.1 +- 0.7; 4.1	16.1 +- 1.4
28	236	9.6	20.6 +- 0.6; 3.1	15.2 +- 0.6; 4.0	14.1 +- 1.4
29	259	10.0	22.5 +- 0.7; 3.4	16.8 +- 0.7; 4.1	15.5 +- 1.5
30	291	6.2	22.9 +- 0.7; 3.4	17.1 +- 0.7; 4.2	16.4 +- 1.4
31	323	7.8	23.7 +- 0.7; 3.5	17.7 +- 0.7; 4.2	17.6 +- 3.9
32	335	7.4	28.4 +- 0.9; 4.3	21.5 +- 0.8; 4.6	20.6 +- 1.8
33	351	5.5	21.1 +- 0.6; 3.2	15.6 +- 0.6; 4.0	14.5 +- 1.4
34	88	4.4	20.6 +- 0.6; 3.1	15.2 +- 0.6; 4.0	14.7 +- 1.5
35	89	6.7	20.0 +- 0.6; 3.0	14.7 +- 0.6; 3.9	14.1 +- 1.4
36	121	3.9	19.9 +- 0.6; 3.0	14.6 +- 0.6; 3.9	14.9 +- 1.5
37	145	8.8	19.9 +- 0.6; 3.0	14.6 +- 0.6; 3.9	14.5 +- 1.7
38	297	12.0	25.8 +- 0.8; 3.9	19.4 +- 0.7; 4.4	14.4 +- 1.3
39	321	9.3	23.7 +- 0.7; 3.6	17.7 +- 0.7; 4.2	17.1 +- 1.3
40	353	12.0	22.4 +- 0.7; 3.4	16.7 +- 0.7; 4.1	14.2 +- 1.3
41	13	18.0	23.1 +- 0.7; 3.5	17.2 +- 0.7; 4.2	15.5 +- 1.4
42	21	5.7	22.0 +- 0.7; 3.3	16.3 +- 0.7; 4.1	16.3 +- 2.0
43	39	5.8	24.1 +- 0.7; 3.6	18.0 +- 0.7; 4.2	16.7 +- 1.5
44	53	5.1	21.5 +- 0.6; 3.2	15.9 +- 0.7; 4.0	17.4 +- 2.0
45	69	7.3	20.5 +- 0.6; 3.1	15.1 +- 0.6; 4.0	14.4 +- 1.3
46	66	17.0	26.1 +- 0.8; 3.9	19.7 +- 0.7; 4.4	19.0 +- 1.6

Transit Dose = 1.9 +- 0.5; 3.8

## SOUTH TEXAS

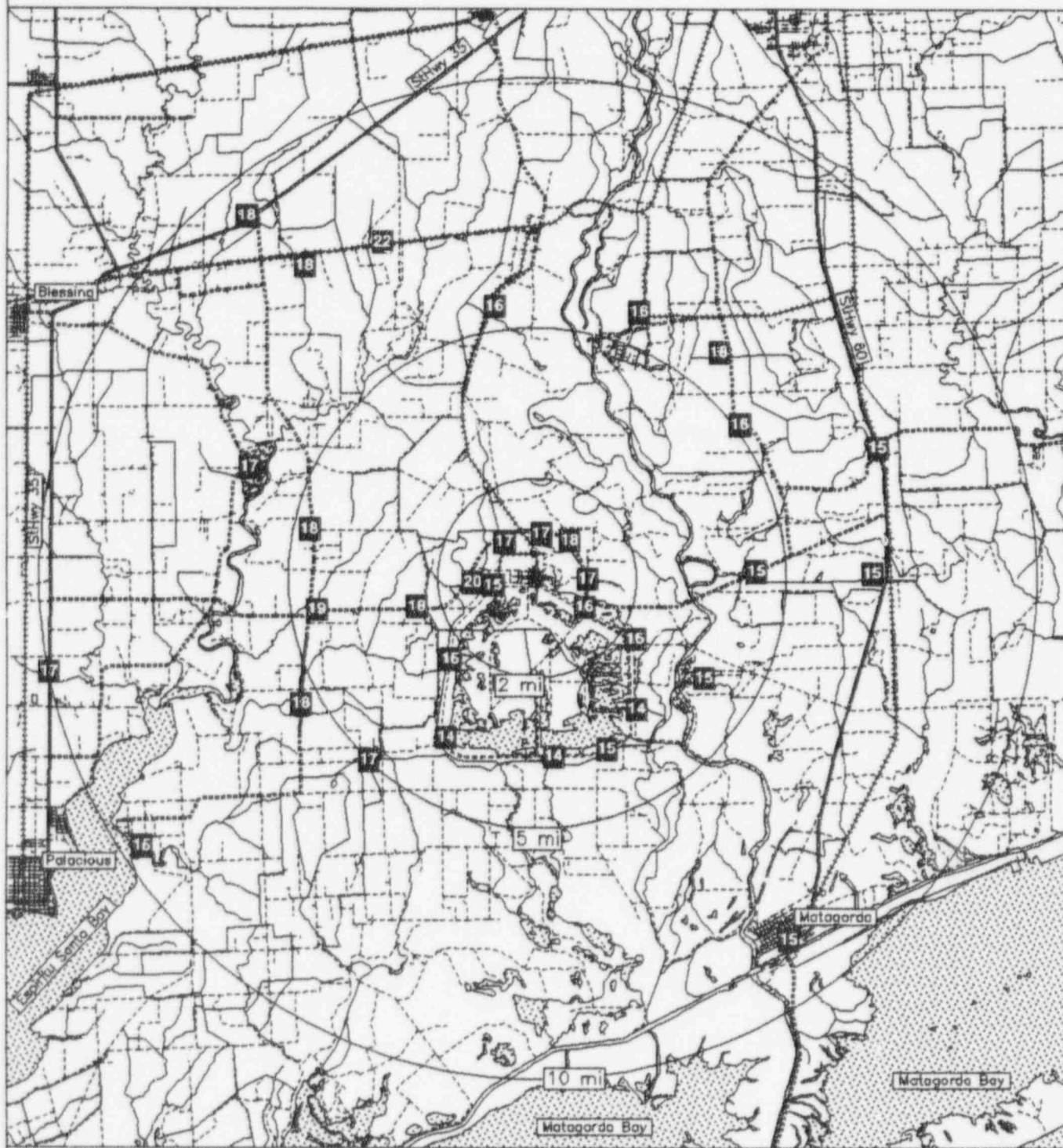
For the period 950611-951115

## TLD Direct Radiation Environmental Monitoring

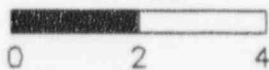
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	16.5 +- 1.2	2
11.26 - 33.75 NNE	17.2 +- 1.2	2
33.76 - 56.25 NE	17.3 +- 1.2	3
56.26 - 78.75 ENE	17.3 +- 2.3	3
78.76 - 101.25 E	15.6 +- 1.1	3
101.26 - 123.75 ESE	15.6 +- 0.8	3
123.76 - 146.25 SE	14.8 +- 0.5	3
146.26 - 168.75 SSE	14.6 +- 0.0	1
168.76 - 191.25 S	15.8 +- 1.9	2
191.26 - 213.75 SSW	13.9 +- 0.0	1
213.76 - 236.25 SW	15.8 +- 1.1	3
236.26 - 258.75 WSW	16.6 +- 1.6	4
258.76 - 281.25 W	17.7 +- 2.2	4
281.26 - 303.75 WNW	18.7 +- 2.3	3
303.76 - 326.25 NW	17.5 +- 0.3	3
326.26 - 348.75 NNW	19.7 +- 2.5	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	17.1 +- 1.7	15
2 - 5	15.9 +- 1.7	12
> 5	16.9 +- 1.9	15
Upwind Control	17.8 +- 1.5	3

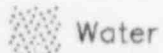
# NRC TLD DOSES FOR SOUTH TEXAS AREA



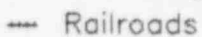
Miles



## Legend



Water



Railroads



Plant site



Highways



Roads

ST. LUCIE  
 TLD Direct Radiation Environmental Monitoring  
 For the period 950614-951031 140 Days  
 Field Time: 94 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	20	0.3	18.6 +- 0.6; 2.8	12.7 +- 0.7; 4.0	13.7 +- 2.2
2	45	0.2	18.2 +- 0.5; 2.7	12.3 +- 0.6; 4.0	14.4 +- 2.3
3	67	0.2	22.0 +- 0.7; 3.3	16.0 +- 0.7; 4.4	15.7 +- 3.0
4	92	0.3	17.9 +- 0.5; 2.7	12.1 +- 0.6; 4.0	13.1 +- 2.3
5	115	0.4	17.4 +- 0.5; 2.6	11.6 +- 0.6; 3.9	12.6 +- 2.3
6	143	1.1	16.8 +- 0.5; 2.5	11.0 +- 0.6; 3.9	11.6 +- 2.2
7	150	2.0	18.2 +- 0.5; 2.7	12.4 +- 0.6; 4.0	11.3 +- 2.1
8	154	4.7	16.4 +- 0.5; 2.5	10.7 +- 0.6; 3.8	12.2 +- 2.4
9	152	23.0	18.3 +- 0.5; 2.7	12.5 +- 0.6; 4.0	12.6 +- 2.4
10	152	23.0	19.0 +- 0.6; 2.8	13.1 +- 0.7; 4.1	13.5 +- 4.3
11	152	23.0	19.2 +- 0.6; 2.9	13.3 +- 0.7; 4.1	14.4 +- 4.0
12	168	14.0	18.0 +- 0.5; 2.7	12.1 +- 0.6; 4.0	12.6 +- 2.2
13	185	10.0	17.9 +- 0.5; 2.7	12.0 +- 0.6; 4.0	12.7 +- 2.3
14	183	11.0	18.4 +- 0.6; 2.8	12.5 +- 0.6; 4.0	14.7 +- 2.3
15	170	8.0	17.6 +- 0.5; 2.6	11.8 +- 0.6; 4.0	12.4 +- 2.2
16	196	7.0	17.8 +- 0.5; 2.7	11.9 +- 0.6; 4.0	12.7 +- 2.2
17	229	7.9	22.5 +- 0.7; 3.4	16.5 +- 0.7; 4.4	15.1 +- 3.2
18	250	6.6	16.2 +- 0.5; 2.4	10.4 +- 0.6; 3.8	11.7 +- 2.2
19	247	4.8	16.9 +- 0.5; 2.5	11.1 +- 0.6; 3.9	12.3 +- 2.3
20	229	5.0	17.8 +- 0.5; 2.7	11.9 +- 0.6; 4.0	12.7 +- 2.2
21	208	3.8	17.5 +- 0.5; 2.6	11.7 +- 0.6; 3.9	12.2 +- 2.5
22	187	3.8	16.6 +- 0.5; 2.5	10.8 +- 0.6; 3.9	12.5 +- 2.3
23	203	2.6	17.8 +- 0.5; 2.7	11.9 +- 0.6; 4.0	12.8 +- 2.4
24	245	1.9	17.0 +- 0.5; 2.5	11.2 +- 0.6; 3.9	12.4 +- 2.4
25	280	2.2	18.0 +- 0.5; 2.7	12.2 +- 0.6; 4.0	12.9 +- 2.3
26	299	3.1	17.6 +- 0.5; 2.6	11.8 +- 0.6; 3.9	13.1 +- 2.3
27	305	3.8	18.2 +- 0.5; 2.7	12.4 +- 0.6; 4.0	12.6 +- 2.3
28	276	4.0	17.1 +- 0.5; 2.6	11.3 +- 0.6; 3.9	12.1 +- 2.2
29	293	5.8	17.4 +- 0.5; 2.6	11.6 +- 0.6; 3.9	12.5 +- 2.3
30	316	7.7	17.3 +- 0.5; 2.6	11.5 +- 0.6; 3.9	12.4 +- 2.4
32	300	11.0	17.5 +- 0.5; 2.6	11.7 +- 0.6; 3.9	13.3 +- 2.2
33	322	8.7	19.6 +- 0.6; 2.9	13.7 +- 0.7; 4.1	13.8 +- 2.3
34	339	8.8	17.3 +- 0.5; 2.6	11.5 +- 0.6; 3.9	13.0 +- 2.2
35	342	2.9	17.2 +- 0.5; 2.6	11.4 +- 0.6; 3.9	12.0 +- 2.1
36	346	1.9	18.4 +- 0.6; 2.8	12.5 +- 0.6; 4.0	13.5 +- 2.3
37	353	1.0	17.3 +- 0.5; 2.6	11.5 +- 0.6; 3.9	12.5 +- 2.6
38	226	2.0	18.2 +- 0.5; 2.7	12.3 +- 0.6; 4.0	12.7 +- 2.3

Transit Dose = 5.3 +- 0.4; 3.2

ST. LUCIE

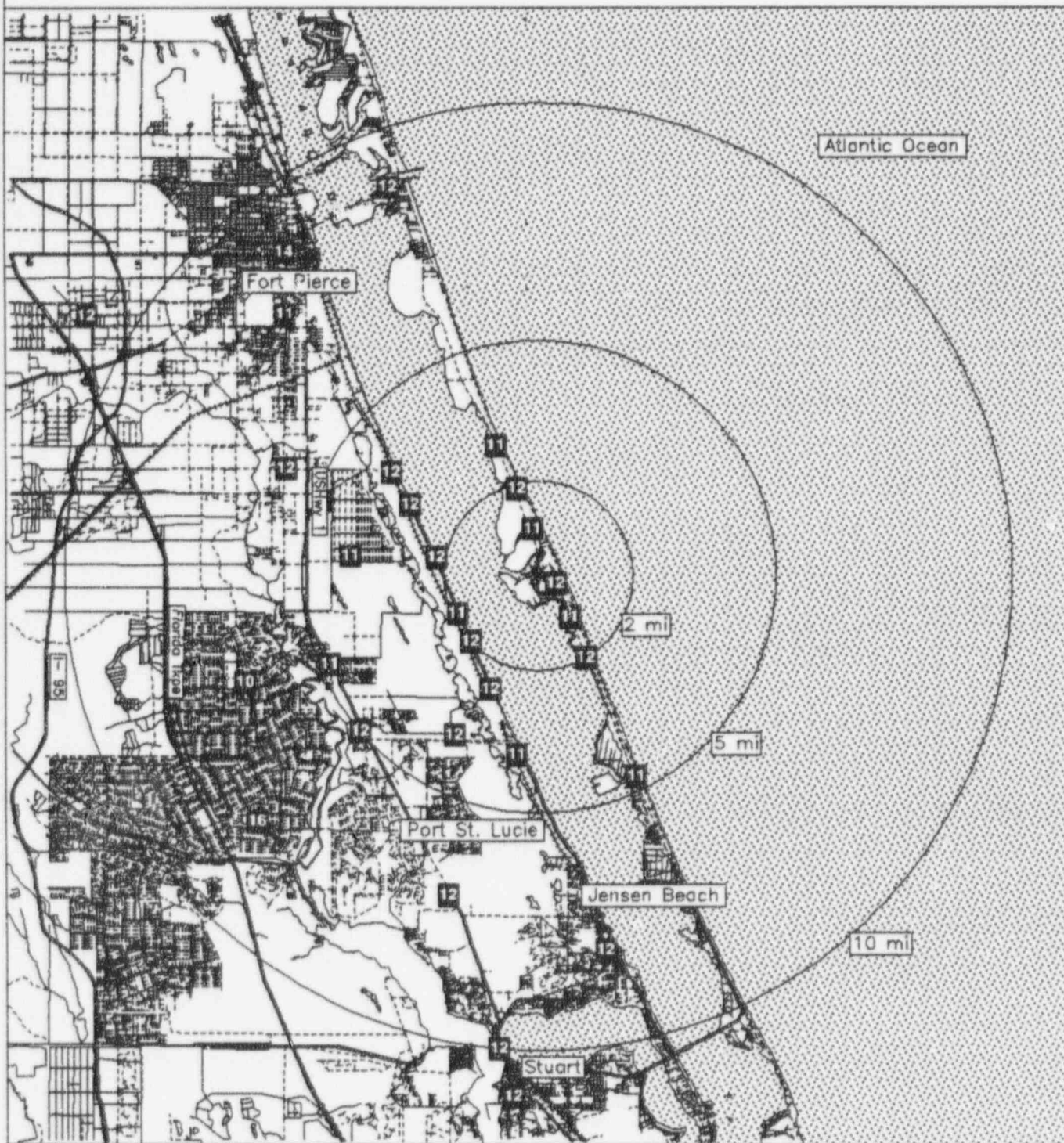
For the period 950614-951031

## TLD Direct Radiation Environmental Monitoring

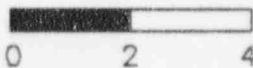
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	11.5 +- 0.0	1
11.26 - 33.75 NNE	12.7 +- 0.0	1
33.76 - 56.25 NE	12.3 +- 0.0	1
56.26 - 78.75 ENE	16.0 +- 0.0	1
78.76 - 101.25 E	12.1 +- 0.0	1
101.26 - 123.75 ESE	11.6 +- 0.0	1
123.76 - 146.25 SE	11.0 +- 0.0	1
146.26 - 168.75 SSE	11.7 +- 0.9	3
168.76 - 191.25 S	11.8 +- 0.7	4
191.26 - 213.75 SSW	11.8 +- 0.2	3
213.76 - 236.25 SW	13.6 +- 2.5	3
236.26 - 258.75 WSW	10.9 +- 0.4	3
258.76 - 281.25 W	11.8 +- 0.6	2
281.26 - 303.75 WNW	11.7 +- 0.1	3
303.76 - 326.25 NW	12.5 +- 1.1	3
326.26 - 348.75 NNW	11.8 +- 0.6	3

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	12.3 +- 1.3	11
2 - 5	11.6 +- 0.5	11
> 5	12.3 +- 1.5	12
Upwind Control	12.9 +- 0.4	3

# NRC TLD DOSES FOR ST. LUCIE AREA



Miles



## Legend



Water



Highways

--- Railroads

--- Roads



Plant..site

## SUMMER

TLD Direct Radiation Environmental Monitoring

For the period 950614-951018 127 Days

Field Time: 92 Days

NRC Sta	Location		Gross Exposure (mR)		Net Exposure Rate (mR/Std. Qtr.)		Hist. Range Net Exp Rate	
	Azimuth/ (Deg)	Dist (Mi)	+-Rdm; Tot.		+-Rdm; Tot.		+-1 Std Dev	
1	199	3.7	26.6	+ - 0.8; 4.0	21.1	+ - 0.9; 4.9	20.7	+ - 2.1
2	111	1.0	27.5	+ - 0.8; 4.1	21.9	+ - 0.9; 5.0	19.3	+ - 2.0
3	340	4.1	27.8	+ - 0.8; 4.2	22.3	+ - 0.9; 5.1	22.1	+ - 2.5
4	192	9.3	26.0	+ - 0.8; 3.9	20.5	+ - 0.8; 4.9	20.8	+ - 1.1
5	72	1.8	29.0	+ - 0.9; 4.4	23.4	+ - 0.9; 5.2	22.0	+ - 2.1
6	54	1.5	27.7	+ - 0.8; 4.2	22.1	+ - 0.9; 5.1	21.7	+ - 1.4
7	46	3.0	34.3	+ - 1.0; 5.1	28.6	+ - 1.1; 5.9	26.3	+ - 2.4
8	31	3.0	35.2	+ - 1.1; 5.3	29.5	+ - 1.1; 6.0	27.7	+ - 2.3
9	13	3.9	30.6	+ - 0.9; 4.6	24.9	+ - 1.0; 5.4	26.7	+ - 1.7
10	7	4.0	32.2	+ - 1.0; 4.8	26.6	+ - 1.0; 5.6	25.8	+ - 1.3
11	349	4.3	31.9	+ - 1.0; 4.8	26.3	+ - 1.0; 5.6	22.2	+ - 2.8
12	323	5.0	26.9	+ - 0.8; 4.0	21.4	+ - 0.9; 5.0	23.9	+ - 2.3
13	333	3.0	29.4	+ - 0.9; 4.4	23.8	+ - 0.9; 5.3	24.6	+ - 1.5
14	255	2.8	26.3	+ - 0.8; 3.9	20.7	+ - 0.9; 4.9	18.8	+ - 2.6
15	308	5.6	Missing Dosimeter		No Net Data		25.3	+ - 1.6
16	64	3.5	36.2	+ - 1.1; 5.4	30.4	+ - 1.1; 6.1	26.6	+ - 2.7
17	98	3.1	27.9	+ - 0.8; 4.2	22.4	+ - 0.9; 5.1	22.8	+ - 1.4
18	114	3.5	27.7	+ - 0.8; 4.2	22.1	+ - 0.9; 5.1	22.6	+ - 1.3
19	132	2.0	27.5	+ - 0.8; 4.1	22.0	+ - 0.9; 5.0	20.5	+ - 1.2
20	152	4.5	20.2	+ - 0.6; 3.0	14.8	+ - 0.7; 4.2	13.8	+ - 2.2
21	133	4.1	21.6	+ - 0.6; 3.2	16.2	+ - 0.7; 4.4	15.6	+ - 0.9
22	157	2.4	22.8	+ - 0.7; 3.4	17.4	+ - 0.8; 4.5	17.6	+ - 1.4
23	173	2.4	Damaged Dosimeter		No Net Data		19.8	+ - 1.5
24	185	3.9	23.7	+ - 0.7; 3.6	18.3	+ - 0.8; 4.6	18.9	+ - 1.4
25	210	3.3	24.4	+ - 0.7; 3.7	18.9	+ - 0.8; 4.7	18.8	+ - 1.0
26	217	3.3	22.9	+ - 0.7; 3.4	17.4	+ - 0.8; 4.5	17.1	+ - 1.3
27	231	3.1	19.6	+ - 0.6; 2.9	14.2	+ - 0.7; 4.2	14.7	+ - 1.6
28	267	2.7	27.7	+ - 0.8; 4.2	22.1	+ - 0.9; 5.1	21.8	+ - 1.4
29	276	3.4	29.0	+ - 0.9; 4.3	23.4	+ - 0.9; 5.2	23.2	+ - 1.3
30	293	3.8	Missing Dosimeter		No Net Data		24.8	+ - 3.8
31	244	3.6	25.3	+ - 0.8; 3.8	19.8	+ - 0.8; 4.8	20.2	+ - 3.3
32	247	6.2	30.5	+ - 0.9; 4.6	24.9	+ - 1.0; 5.4	23.2	+ - 1.8
33	218	9.0	26.8	+ - 0.8; 4.0	21.2	+ - 0.9; 5.0	20.0	+ - 1.2
34	192	9.3	26.1	+ - 0.8; 3.9	20.6	+ - 0.9; 4.9	20.2	+ - 1.3
35	184	14.1	21.1	+ - 0.6; 3.2	15.6	+ - 0.7; 4.3	15.9	+ - 1.0
36	183	14.6	19.9	+ - 0.6; 3.0	14.5	+ - 0.7; 4.2	14.3	+ - 2.3
37	182	14.8	19.0	+ - 0.6; 2.9	13.7	+ - 0.7; 4.1	13.4	+ - 2.4
38	148	20.8	27.9	+ - 0.8; 4.2	22.4	+ - 0.9; 5.1	20.5	+ - 1.6
39	140	25.0	30.6	+ - 0.9; 4.6	25.0	+ - 1.0; 5.4	22.5	+ - 2.2
40	135	23.1	26.1	+ - 0.8; 3.9	20.6	+ - 0.9; 4.9	19.4	+ - 3.0

Transit Dose = 5.1 +- 0.4; 3.1



SUMMER

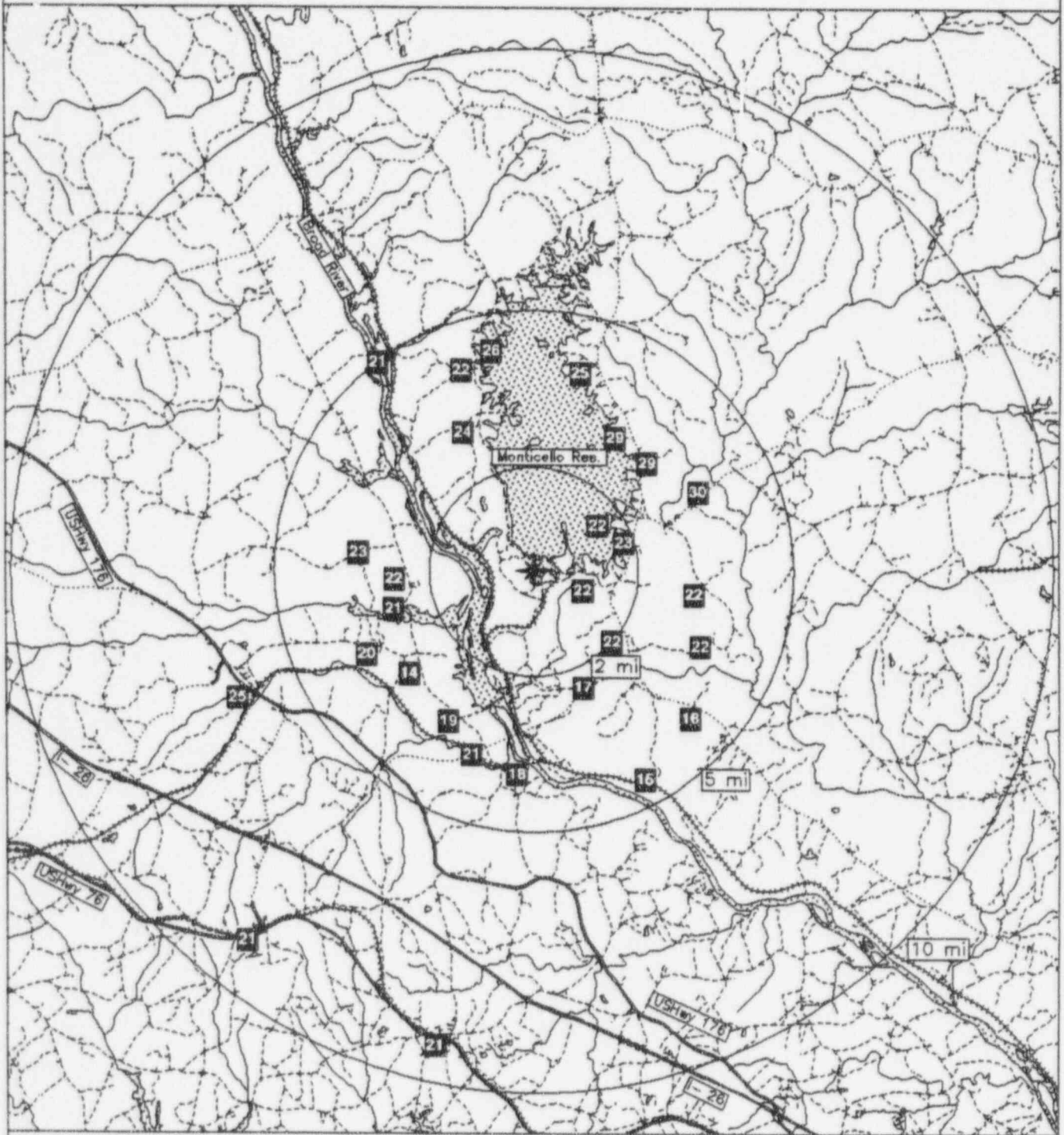
For the period 950614-951018

## TLD Direct Radiation Environmental Monitoring

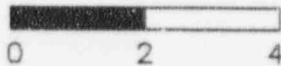
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	26.4 +- 0.2	2
11.26 - 33.75 NNE	27.2 +- 3.2	2
33.76 - 56.25 NE	25.4 +- 4.6	2
56.26 - 78.75 ENE	26.9 +- 4.9	2
78.76 - 101.25 E	22.4 +- 0.0	1
101.26 - 123.75 ESE	22.0 +- 0.1	2
123.76 - 146.25 SE	20.9 +- 3.6	4
146.26 - 168.75 SSE	18.2 +- 3.8	3
168.76 - 191.25 S	18.3 +- 0.0	1
191.26 - 213.75 SSW	20.2 +- 1.0	4
213.76 - 236.25 SW	17.6 +- 3.5	3
236.26 - 258.75 WSW	21.8 +- 2.7	3
258.76 - 281.25 W	22.7 +- 0.9	2
281.26 - 303.75 WNW	No Data +- No Data	0
303.76 - 326.25 NW	21.4 +- 0.0	1
326.26 - 348.75 NNW	23.0 +- 1.1	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	22.4 +- 0.7	4
2 - 5	21.8 +- 4.5	23
> 5	22.2 +- 2.0	7
Upwind Control	14.6 +- 1.0	3

# NRC TLD DOSES FOR SUMMER AREA



Miles



### Legend



Water



Highways

--- Railroads

--- Roads



Plant site

SURRY

TLD Direct Radiation Environmental Monitoring

For the period 950613-951024 134 Days

Field Time: 86 Days

NRC Sta	Location		Gross Exposure (mR)		Net Exposure Rate (mR/Std. Qtr.)		Hist. Range Net Exp Rate	
	Azimuth/ (Deg)	Dist (Mi)	+-Rdm; Tot.		+-Rdm; Tot.		+-1 Std Dev	
1	18	19.0	20.7	+ - 0.6; 3.1	17.1	+ - 0.7; 4.4	15.6	+ - 1.1
2	129	17.0	20.5	+ - 0.6; 3.1	16.9	+ - 0.7; 4.4	16.9	+ - 1.4
3	162	17.0	23.3	+ - 0.7; 3.5	19.8	+ - 0.8; 4.7	15.9	+ - 1.4
4	162	17.0	19.4	+ - 0.6; 2.9	15.7	+ - 0.7; 4.3	13.4	+ - 1.6
5	156	5.1	23.0	+ - 0.7; 3.5	19.5	+ - 0.8; 4.7	17.7	+ - 1.3
6	189	4.1	20.1	+ - 0.6; 3.0	16.5	+ - 0.7; 4.3	14.7	+ - 1.5
7	202	2.2	20.0	+ - 0.6; 3.0	16.4	+ - 0.7; 4.3	14.9	+ - 1.5
8	183	1.6	23.0	+ - 0.7; 3.4	19.5	+ - 0.8; 4.7	17.3	+ - 1.2
9	243	0.2	25.7	+ - 0.8; 3.9	22.3	+ - 0.9; 5.0	20.3	+ - 1.4
10	269	0.1	26.7	+ - 0.8; 4.0	23.3	+ - 0.9; 5.1	22.8	+ - 2.5
11	304	0.1	25.2	+ - 0.8; 3.8	21.8	+ - 0.9; 5.0	23.1	+ - 3.5
12	334	0.2	26.2	+ - 0.8; 3.9	22.8	+ - 0.9; 5.1	23.2	+ - 2.4
13	10	1.2	21.5	+ - 0.6; 3.2	18.0	+ - 0.8; 4.5	16.3	+ - 1.4
14	21	2.0	22.0	+ - 0.7; 3.3	18.4	+ - 0.8; 4.6	16.6	+ - 1.4
15	203	4.5	20.3	+ - 0.6; 3.0	16.7	+ - 0.7; 4.4	15.3	+ - 1.4
16	224	3.7	19.6	+ - 0.6; 2.9	15.9	+ - 0.7; 4.3	14.0	+ - 1.2
17	212	2.0	21.8	+ - 0.7; 3.3	18.3	+ - 0.8; 4.5	17.1	+ - 1.4
18	248	5.1	21.2	+ - 0.6; 3.2	17.6	+ - 0.8; 4.5	14.8	+ - 1.5
19	259	8.1	20.7	+ - 0.6; 3.1	17.1	+ - 0.7; 4.4	15.4	+ - 2.1
20	285	5.0	14.8	+ - 0.4; 2.2	10.9	+ - 0.6; 3.8	10.7	+ - 1.5
21	270	4.1	23.7	+ - 0.7; 3.6	20.3	+ - 0.8; 4.8	18.6	+ - 1.5
22	123	12.0	24.1	+ - 0.7; 3.6	20.6	+ - 0.8; 4.8	20.3	+ - 2.6
23	102	11.0	24.0	+ - 0.7; 3.6	20.6	+ - 0.8; 4.8	22.5	+ - 2.1
24	106	4.9	22.1	+ - 0.7; 3.3	18.6	+ - 0.8; 4.6	17.8	+ - 1.4
25	90	5.2	21.0	+ - 0.6; 3.2	17.4	+ - 0.8; 4.5	17.0	+ - 1.4
26	69	5.1	26.2	+ - 0.8; 3.9	22.8	+ - 0.9; 5.1	21.3	+ - 1.5
27	23	5.3	22.8	+ - 0.7; 3.4	19.2	+ - 0.8; 4.7	18.4	+ - 1.5
28	49	5.0	23.2	+ - 0.7; 3.5	19.7	+ - 0.8; 4.7	18.5	+ - 1.5
29	7	6.8	21.1	+ - 0.6; 3.2	17.5	+ - 0.8; 4.5	17.7	+ - 1.5
30	359	6.5	20.3	+ - 0.6; 3.1	16.7	+ - 0.7; 4.4	15.7	+ - 1.4
31	1	4.6	18.1	+ - 0.5; 2.7	14.4	+ - 0.7; 4.1	13.3	+ - 2.3
32	332	3.8	21.1	+ - 0.6; 3.2	17.5	+ - 0.8; 4.5	16.3	+ - 1.6
33	314	5.4	23.1	+ - 0.7; 3.5	19.6	+ - 0.8; 4.7	17.5	+ - 1.2
34	308	6.4	22.4	+ - 0.7; 3.4	18.9	+ - 0.8; 4.6	16.3	+ - 1.6
35	348	5.3	19.8	+ - 0.6; 3.0	16.1	+ - 0.7; 4.3	15.4	+ - 1.3
36	343	15.0	21.4	+ - 0.6; 3.2	17.8	+ - 0.8; 4.5	16.2	+ - 1.5
37	340	15.0	Missing Dosimeter		No Net Data		14.3	+ - 1.4
38	339	16.0	22.5	+ - 0.7; 3.4	19.0	+ - 0.8; 4.6	16.2	+ - 2.4
39	153	1.9	22.7	+ - 0.7; 3.4	19.2	+ - 0.8; 4.6	18.6	+ - 1.5
40	144	2.1	27.5	+ - 0.8; 4.1	24.2	+ - 0.9; 5.2	16.4	+ - 2.2

Transit Dose = 4.4 +- 0.3; 2.9

SURRY

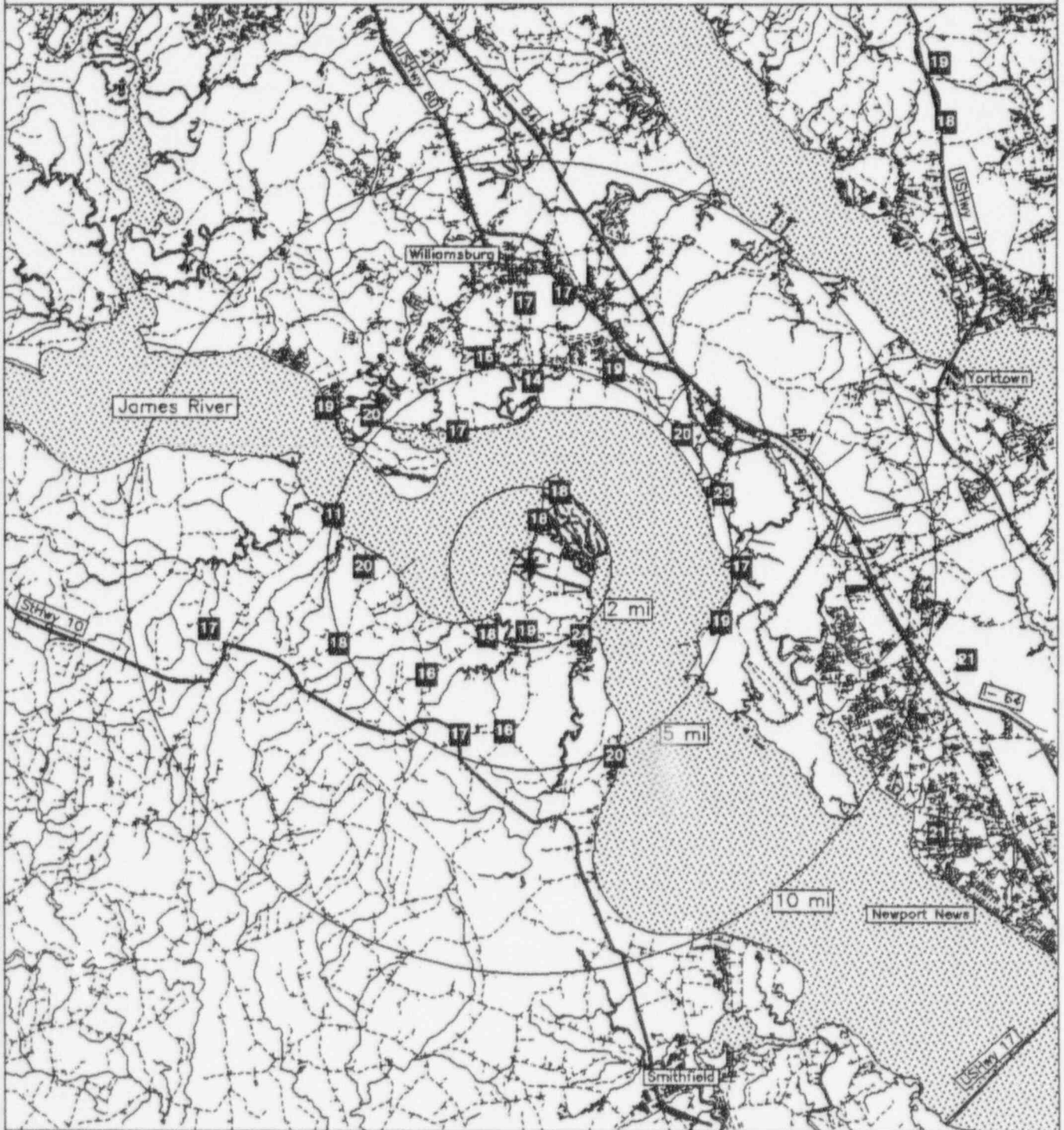
For the period 950613-951024

## TLD Direct Radiation Environmental Monitoring

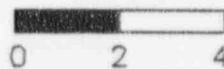
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	16.6 +- 1.6	4
11.26 - 33.75 NNE	18.3 +- 1.1	3
33.76 - 56.25 NE	19.7 +- 0.0	1
56.26 - 78.75 ENE	22.8 +- 0.0	1
78.76 - 101.25 E	17.4 +- 0.0	1
101.26 - 123.75 ESE	19.9 +- 1.2	3
123.76 - 146.25 SE	20.5 +- 5.2	2
146.26 - 168.75 SSE	18.5 +- 1.9	4
168.76 - 191.25 S	18.0 +- 2.1	2
191.26 - 213.75 SSW	17.1 +- 1.0	3
213.76 - 236.25 SW	15.9 +- 0.0	1
236.26 - 258.75 WSW	19.9 +- 3.4	2
258.76 - 281.25 W	20.2 +- 3.1	3
281.26 - 303.75 WNW	10.9 +- 0.0	1
303.76 - 326.25 NW	20.1 +- 1.5	3
326.26 - 348.75 NNW	18.8 +- 3.5	3

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	20.4 +- 2.1	9
2 - 5	17.4 +- 3.4	11
> 5	18.4 +- 1.9	17
Upwind Control	18.4 +- 0.8	2

# NRC TLD DOSES FOR SURRY AREA



Miles



## Legend



Water



Highways



Railroads



Roads



Plant..site

## SUSQUEHANNA

TLD Direct Radiation Environmental Monitoring  
 For the period 950615-951024 132 Days  
 Field Time: 106 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	19	1.4	25.5 +- 0.8; 3.8	19.9 +- 0.7; 4.3	18.6 +- 2.0
2	358	1.4	25.3 +- 0.8; 3.8	19.7 +- 0.7; 4.2	18.9 +- 1.4
3	332	1.6	25.0 +- 0.8; 3.8	19.5 +- 0.7; 4.2	17.5 +- 1.4
4	315	1.8	23.8 +- 0.7; 3.6	18.5 +- 0.7; 4.1	17.2 +- 1.4
5	287	1.7	25.2 +- 0.8; 3.8	19.7 +- 0.7; 4.2	18.9 +- 1.6
6	270	1.3	24.0 +- 0.7; 3.6	18.7 +- 0.7; 4.1	18.5 +- 1.5
7	239	1.8	23.3 +- 0.7; 3.5	18.1 +- 0.7; 4.1	17.6 +- 1.6
8	217	2.0	27.8 +- 0.8; 4.2	21.9 +- 0.8; 4.5	20.9 +- 1.6
9	201	1.5	24.6 +- 0.7; 3.7	19.2 +- 0.7; 4.2	18.7 +- 1.6
10	185	1.3	23.3 +- 0.7; 3.5	18.0 +- 0.7; 4.0	17.1 +- 1.4
11	243	5.1	25.6 +- 0.8; 3.8	20.0 +- 0.7; 4.3	18.7 +- 1.5
12	252	4.6	24.3 +- 0.7; 3.6	18.9 +- 0.7; 4.1	18.0 +- 1.2
13	274	3.4	28.8 +- 0.9; 4.3	22.7 +- 0.8; 4.6	20.9 +- 1.6
14	286	3.6	26.7 +- 0.8; 4.0	20.9 +- 0.7; 4.4	19.3 +- 1.5
15	1	3.9	29.6 +- 0.9; 4.4	23.4 +- 0.8; 4.7	19.9 +- 1.8
16	334	4.1	26.3 +- 0.8; 3.9	20.6 +- 0.7; 4.3	19.2 +- 1.6
17	312	4.4	26.4 +- 0.8; 4.0	20.7 +- 0.7; 4.3	18.5 +- 1.5
18	33	5.0	26.8 +- 0.8; 4.0	21.0 +- 0.7; 4.4	19.2 +- 1.5
19	45	9.9	26.2 +- 0.8; 3.9	20.5 +- 0.7; 4.3	19.6 +- 1.5
20	65	4.7	28.3 +- 0.8; 4.2	22.3 +- 0.8; 4.5	20.6 +- 1.5
21	43	3.3	25.5 +- 0.8; 3.8	19.9 +- 0.7; 4.3	21.2 +- 1.5
22	33	0.9	26.6 +- 0.8; 4.0	20.9 +- 0.7; 4.4	18.3 +- 2.2
23	57	1.2	24.4 +- 0.7; 3.7	19.0 +- 0.7; 4.1	17.3 +- 1.4
24	87	1.4	25.5 +- 0.8; 3.8	19.9 +- 0.7; 4.3	18.9 +- 1.5
25	111	1.4	24.4 +- 0.7; 3.7	19.0 +- 0.7; 4.2	18.5 +- 1.5
26	137	1.5	24.7 +- 0.7; 3.7	19.2 +- 0.7; 4.2	18.7 +- 1.4
27	152	1.5	26.8 +- 0.8; 4.0	21.0 +- 0.7; 4.4	19.5 +- 1.3
28	107	3.6	27.3 +- 0.8; 4.1	21.5 +- 0.7; 4.4	21.0 +- 4.7
29	99	4.3	27.3 +- 0.8; 4.1	21.5 +- 0.7; 4.4	20.0 +- 1.3
30	138	3.6	26.4 +- 0.8; 4.0	20.7 +- 0.7; 4.3	20.2 +- 1.5
31	162	3.4	28.6 +- 0.9; 4.3	22.6 +- 0.8; 4.6	21.5 +- 1.9
32	176	3.5	28.1 +- 0.8; 4.2	22.1 +- 0.8; 4.5	20.2 +- 1.6
33	192	3.2	28.7 +- 0.9; 4.3	22.6 +- 0.8; 4.6	20.8 +- 1.5
34	231	4.4	26.8 +- 0.8; 4.0	21.0 +- 0.7; 4.4	19.2 +- 1.6
35	134	12.3	26.7 +- 0.8; 4.0	20.9 +- 0.7; 4.4	19.4 +- 1.9
36	114	13.5	29.7 +- 0.9; 4.5	23.5 +- 0.8; 4.7	21.7 +- 1.8
37	150	15.6	24.8 +- 0.7; 3.7	19.4 +- 0.7; 4.2	18.8 +- 1.6

Transit Dose = 2.0 +- 0.3; 3.2

## SUSQUEHANNA

For the period 950615-951024

## TLD Direct Radiation Environmental Monitoring

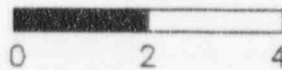
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	21.6 +- 2.6	2
11.26 - 33.75 NNE	20.6 +- 0.6	3
33.76 - 56.25 NE	20.2 +- 0.5	2
56.26 - 78.75 ENE	20.6 +- 2.3	2
78.76 - 101.25 E	20.7 +- 1.1	2
101.26 - 123.75 ESE	20.2 +- 1.7	2
123.76 - 146.25 SE	19.9 +- 1.0	2
146.26 - 168.75 SSE	21.8 +- 1.1	2
168.76 - 191.25 S	20.1 +- 2.9	2
191.26 - 213.75 SSW	20.9 +- 2.4	2
213.76 - 236.25 SW	21.5 +- 0.6	2
236.26 - 258.75 WSW	19.0 +- 1.0	3
258.76 - 281.25 W	20.7 +- 2.8	2
281.26 - 303.75 WNW	20.3 +- 0.9	2
303.76 - 326.25 NW	19.6 +- 1.5	2
326.26 - 348.75 NNW	20.0 +- 0.7	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	19.5 +- 1.1	16
2 - 5	21.4 +- 1.2	16
> 5	20.3 +- 0.4	2
Upwind Control	21.3 +- 2.1	3

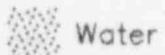
# NRC TLD DOSES FOR SUSQUEHANNA AREA



Miles



### Legend



Water



Railroads



Plant site



Highways



Roads



## THREE MILE ISLAND

TLD Direct Radiation Environmental Monitoring

For the period 950615-951024 132 Days

Field Time: 105 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	21.0 +- 0.6; 3.1	16.7 +- 0.6; 3.8	15.6 +- 1.9
2	102	3.9	25.3 +- 0.8; 3.8	20.5 +- 0.7; 4.2	17.8 +- 2.1
3	110	2.7	17.9 +- 0.5; 2.7	14.1 +- 0.5; 3.6	13.6 +- 2.6
4	162	1.8	22.1 +- 0.7; 3.3	17.7 +- 0.6; 3.9	15.2 +- 1.9
5	161	2.3	20.4 +- 0.6; 3.1	16.3 +- 0.6; 3.8	15.1 +- 1.7
6	152	1.1	22.5 +- 0.7; 3.4	18.1 +- 0.6; 4.0	15.6 +- 2.0
7	123	0.5	20.0 +- 0.6; 3.0	15.9 +- 0.6; 3.7	13.8 +- 1.6
8	87	0.4	19.6 +- 0.6; 2.9	15.6 +- 0.6; 3.7	15.6 +- 2.2
9	61	0.5	20.5 +- 0.6; 3.1	16.3 +- 0.6; 3.8	14.7 +- 1.7
10	1	1.7	21.1 +- 0.6; 3.2	16.9 +- 0.6; 3.8	14.8 +- 2.2
11	27	0.8	20.2 +- 0.6; 3.0	16.1 +- 0.6; 3.8	14.8 +- 1.6
12	48	1.0	21.4 +- 0.6; 3.2	17.1 +- 0.6; 3.9	15.1 +- 2.0
13	19	2.0	21.9 +- 0.7; 3.3	17.5 +- 0.6; 3.9	15.5 +- 1.9
14	358	2.4	20.8 +- 0.6; 3.1	16.6 +- 0.6; 3.8	13.9 +- 2.1
15	132	9.0	24.5 +- 0.7; 3.7	19.7 +- 0.7; 4.2	17.7 +- 2.2
16	0	3.0	19.2 +- 0.6; 2.9	15.2 +- 0.6; 3.7	14.1 +- 2.0
18	347	3.5	24.3 +- 0.7; 3.6	19.6 +- 0.7; 4.1	17.7 +- 2.7
19	343	3.1	23.8 +- 0.7; 3.6	19.2 +- 0.7; 4.1	16.3 +- 1.8
20	318	5.0	22.4 +- 0.7; 3.4	18.0 +- 0.6; 4.0	15.0 +- 1.8
21	348	2.7	17.5 +- 0.5; 2.6	13.7 +- 0.5; 3.5	12.1 +- 1.7
22	17	3.1	22.8 +- 0.7; 3.4	18.3 +- 0.6; 4.0	15.4 +- 2.1
23	64	3.7	Missing Dosimeter	No Net Data	12.6 +- 1.6
24	44	3.6	23.4 +- 0.7; 3.5	18.8 +- 0.7; 4.0	16.4 +- 2.0
25	327	0.4	16.9 +- 0.5; 2.5	13.2 +- 0.5; 3.5	12.0 +- 2.8
27	7	7.1	27.1 +- 0.8; 4.1	22.0 +- 0.7; 4.4	19.9 +- 2.0
29	293	0.4	Damaged Dosimeter	No Net Data	15.0 +- 2.6
30	314	1.1	22.1 +- 0.7; 3.3	17.7 +- 0.6; 3.9	16.1 +- 1.7
31	303	8.6	18.8 +- 0.6; 2.8	14.9 +- 0.5; 3.6	13.2 +- 1.6
32	297	7.6	23.5 +- 0.7; 3.5	18.9 +- 0.7; 4.1	16.8 +- 1.7
33	302	5.8	19.1 +- 0.6; 2.9	15.2 +- 0.6; 3.7	13.2 +- 1.8
34	296	2.3	22.8 +- 0.7; 3.4	18.3 +- 0.6; 4.0	16.1 +- 1.7
35	308	1.8	21.9 +- 0.7; 3.3	17.5 +- 0.6; 3.9	16.1 +- 1.6
36	265	1.2	19.9 +- 0.6; 3.0	15.8 +- 0.6; 3.7	12.6 +- 2.0
37	256	1.4	19.0 +- 0.6; 2.9	15.1 +- 0.6; 3.7	13.4 +- 1.6
38	225	1.9	20.5 +- 0.6; 3.1	16.3 +- 0.6; 3.8	16.2 +- 1.7
39	204	2.0	18.2 +- 0.5; 2.7	14.3 +- 0.5; 3.6	12.8 +- 1.6
40	202	2.5	20.0 +- 0.6; 3.0	15.9 +- 0.6; 3.7	14.3 +- 1.6
41	184	12.6	23.6 +- 0.7; 3.5	19.0 +- 0.7; 4.1	16.2 +- 1.8
42	259	7.4	21.3 +- 0.6; 3.2	17.0 +- 0.6; 3.9	15.5 +- 1.9
43	268	6.2	21.5 +- 0.6; 3.2	17.2 +- 0.6; 3.9	16.5 +- 2.2
44	249	4.3	21.9 +- 0.7; 3.3	17.5 +- 0.6; 3.9	14.7 +- 1.8
45	221	0.5	17.6 +- 0.5; 2.6	13.9 +- 0.5; 3.5	13.0 +- 2.4
46	171	3.0	21.6 +- 0.6; 3.2	17.3 +- 0.6; 3.9	15.0 +- 2.2
47	177	5.7	20.5 +- 0.6; 3.1	16.3 +- 0.6; 3.8	14.9 +- 1.8
48	181	9.1	25.5 +- 0.8; 3.8	20.6 +- 0.7; 4.3	21.2 +- 2.5
49	199	1.0	20.3 +- 0.6; 3.0	16.2 +- 0.6; 3.8	14.2 +- 1.8
50	145	4.9	Damaged Dosimeter	No Net Data	16.6 +- 2.4

Transit Dose = 1.4 +- 0.3; 3.2

THREE MILE ISLAND  
For the period 950615-951024

## TLD Direct Radiation Environmental Monitoring

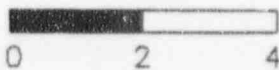
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	17.7 +- 3.0	4
11.26 - 33.75 NNE	17.3 +- 1.1	3
33.76 - 56.25 NE	18.0 +- 1.2	2
56.26 - 78.75 ENE	16.3 +- 0.0	1
78.76 - 101.25 E	16.2 +- 0.8	2
101.26 - 123.75 ESE	16.8 +- 3.3	3
123.76 - 146.25 SE	19.7 +- 0.0	1
146.26 - 168.75 SSE	17.4 +- 0.9	3
168.76 - 191.25 S	18.3 +- 1.9	4
191.26 - 213.75 SSW	15.5 +- 1.0	3
213.76 - 236.25 SW	15.1 +- 1.7	2
236.26 - 258.75 WSW	17.5 +- 0.0	1
258.76 - 281.25 W	17.1 +- 0.1	2
281.26 - 303.75 WNW	16.8 +- 2.1	4
303.76 - 326.25 NW	17.9 +- 0.2	2
326.26 - 348.75 NNW	16.4 +- 3.4	4

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	16.2 +- 1.4	15
2 - 5	17.3 +- 2.0	15
> 5	18.0 +- 2.3	11
Upwind Control	16.1 +- 1.3	3

# NRC TLD DOSES FOR THREE MILE ISLAND AREA



Miles



## Legend



Water



Highways

Railroads

Roads



Plant..site

## TROJAN

TLD Direct Radiation Environmental Monitoring

For the period 950611-951019 131 Days

Field Time: 99 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	0.6	17.9 +- 0.5; 2.7	12.8 +- 0.6; 3.8	12.4 +- 1.1
2	334	1.5	16.6 +- 0.5; 2.5	11.7 +- 0.6; 3.7	14.7 +- 0.9
3	340	1.7	15.7 +- 0.5; 2.4	10.8 +- 0.5; 3.6	11.8 +- 0.7
4	328	3.9	19.6 +- 0.6; 2.9	14.4 +- 0.6; 3.9	12.6 +- 1.1
5	308	4.6	Missing Dosimeter	No Net Data	14.5 +- 1.2
6	312	4.5	20.2 +- 0.6; 3.0	14.9 +- 0.6; 4.0	15.1 +- 1.7
7	267	4.6	20.4 +- 0.6; 3.1	15.1 +- 0.6; 4.0	14.7 +- 0.9
8	274	3.8	19.8 +- 0.6; 3.0	14.5 +- 0.6; 4.0	15.4 +- 1.0
9	279	1.7	20.6 +- 0.6; 3.1	15.3 +- 0.6; 4.0	14.7 +- 1.2
10	263	2.0	20.6 +- 0.6; 3.1	15.3 +- 0.6; 4.0	15.3 +- 0.8
11	245	1.6	21.0 +- 0.6; 3.1	15.6 +- 0.7; 4.1	16.2 +- 1.5
12	223	1.2	Missing Dosimeter	No Net Data	16.6 +- 1.4
13	196	1.1	21.0 +- 0.6; 3.2	15.7 +- 0.7; 4.1	15.3 +- 1.0
14	180	1.2	18.0 +- 0.5; 2.7	13.0 +- 0.6; 3.8	14.4 +- 1.1
15	165	1.7	18.5 +- 0.6; 2.8	13.4 +- 0.6; 3.8	13.3 +- 1.3
16	212	3.9	23.0 +- 0.7; 3.4	17.5 +- 0.7; 4.3	16.1 +- 2.0
17	230	3.5	21.4 +- 0.6; 3.2	16.0 +- 0.7; 4.1	15.8 +- 1.3
18	162	9.3	18.8 +- 0.6; 2.8	13.7 +- 0.6; 3.9	15.8 +- 1.2
19	172	5.0	20.9 +- 0.6; 3.1	15.5 +- 0.7; 4.1	15.9 +- 1.5
20	334	5.8	17.6 +- 0.5; 2.6	12.5 +- 0.6; 3.8	13.0 +- 1.2
21	345	5.5	17.0 +- 0.5; 2.5	12.0 +- 0.6; 3.7	13.5 +- 1.2
22	356	5.5	17.1 +- 0.5; 2.6	12.1 +- 0.6; 3.7	12.4 +- 1.3
23	8	3.9	15.8 +- 0.5; 2.4	10.9 +- 0.5; 3.6	12.1 +- 1.3
24	15	3.7	17.9 +- 0.5; 2.7	12.8 +- 0.6; 3.8	13.3 +- 1.2
25	27	1.9	16.4 +- 0.5; 2.5	11.5 +- 0.6; 3.7	12.2 +- 1.2
26	37	2.1	21.1 +- 0.6; 3.2	15.7 +- 0.7; 4.1	14.9 +- 1.4
27	60	2.9	Damaged Dosimeter	No Net Data	15.1 +- 1.2
28	55	4.5	18.5 +- 0.6; 2.8	13.4 +- 0.6; 3.8	13.7 +- 1.5
29	69	1.6	15.7 +- 0.5; 2.4	10.8 +- 0.5; 3.6	12.9 +- 1.9
30	83	3.9	17.6 +- 0.5; 2.6	12.6 +- 0.6; 3.8	12.8 +- 1.2
31	93	2.7	21.1 +- 0.6; 3.2	15.7 +- 0.7; 4.1	15.5 +- 1.3
32	119	2.2	21.5 +- 0.6; 3.2	16.1 +- 0.7; 4.1	15.6 +- 1.3
33	106	5.3	21.8 +- 0.7; 3.3	16.4 +- 0.7; 4.1	14.8 +- 2.7
34	134	2.5	17.5 +- 0.5; 2.6	12.5 +- 0.6; 3.7	12.5 +- 1.2
35	145	4.7	17.8 +- 0.5; 2.7	12.7 +- 0.6; 3.8	13.1 +- 1.2
36	270	17.0	20.4 +- 0.6; 3.1	15.1 +- 0.6; 4.0	15.4 +- 2.2
37	270	17.0	22.3 +- 0.7; 3.3	16.9 +- 0.7; 4.2	16.5 +- 2.2
38	270	17.0	22.3 +- 0.7; 3.3	16.8 +- 0.7; 4.2	16.4 +- 1.4

Transit Dose = 3.8 +- 0.4; 3.2

TROJAN

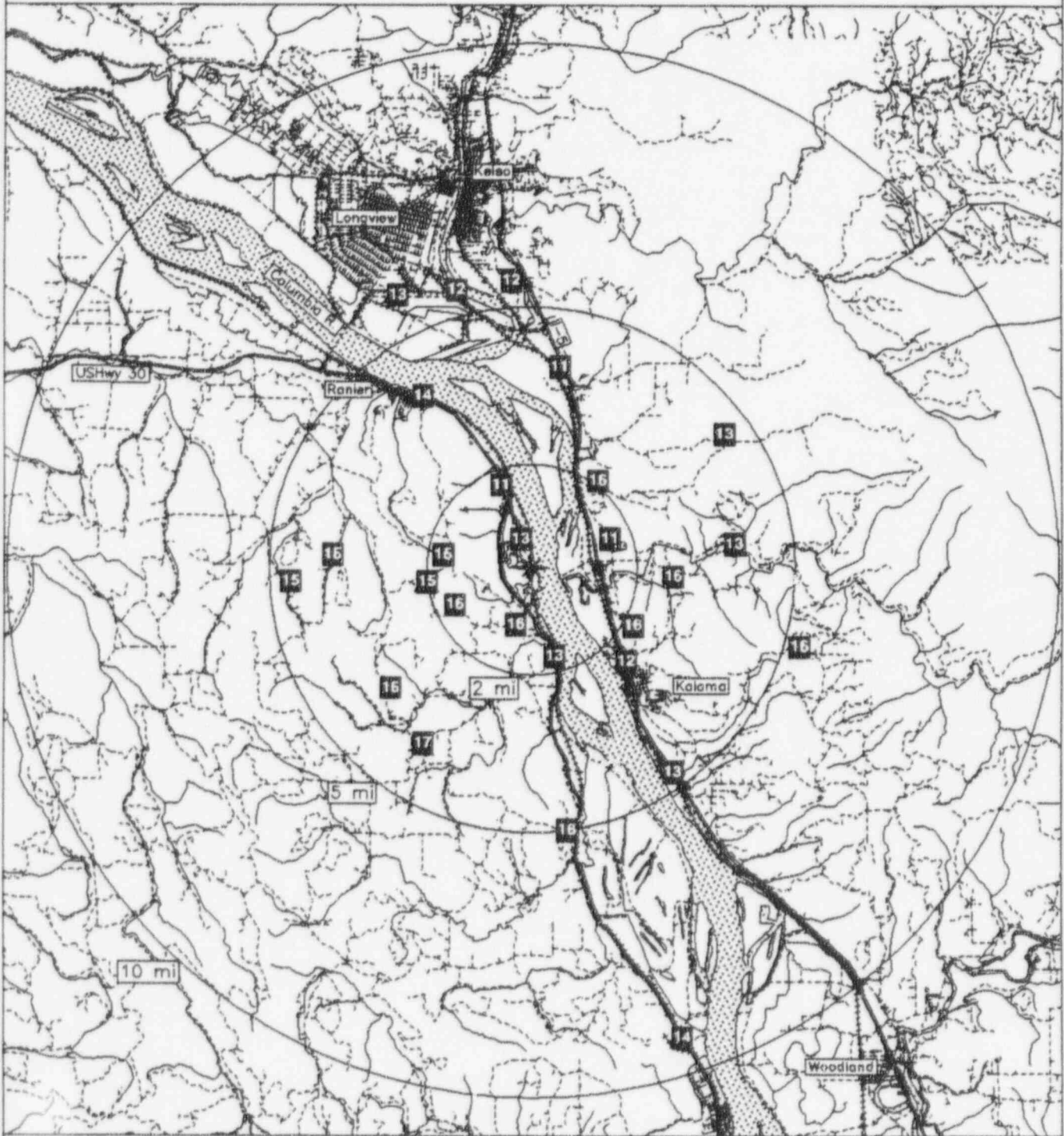
For the period 950611-951019

## TLD Direct Radiation Environmental Monitoring

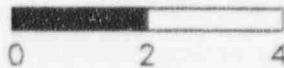
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	11.5 +- 0.8	2
11.26 - 33.75 NNE	12.2 +- 0.9	2
33.76 - 56.25 NE	14.5 +- 1.7	2
56.26 - 78.75 ENE	10.8 +- 0.0	1
78.76 - 101.25 E	14.2 +- 2.2	2
101.26 - 123.75 ESE	16.3 +- 0.2	2
123.76 - 146.25 SE	12.6 +- 0.2	2
146.26 - 168.75 SSE	13.5 +- 0.2	2
168.76 - 191.25 S	14.3 +- 1.8	2
191.26 - 213.75 SSW	16.6 +- 1.3	2
213.76 - 236.25 SW	16.0 +- 0.0	1
236.26 - 258.75 WSW	15.6 +- 0.0	1
258.76 - 281.25 W	15.0 +- 0.3	4
281.26 - 303.75 WNW	No Data +- No Data	0
303.76 - 326.25 NW	14.9 +- 0.0	1
326.26 - 348.75 NNW	12.4 +- 1.2	6

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	13.3 +- 1.9	11
2 - 5	14.4 +- 1.8	16
> 5	13.3 +- 1.8	5
Upwind Control	16.3 +- 1.0	3

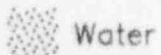
# NRC TLD DOSES FOR TROJAN AREA



Miles



## Legend



Water



Highways



Railroads



Roads



Plant site

## TURKEY POINT

TLD Direct Radiation Environmental Monitoring

For the period 950613-951031 141 Days

Field Time: 94 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	310	1.3	20.6 +- 0.6; 3.1	15.0 +- 0.7; 4.2	11.3 +- 2.1
2	292	2.4	18.0 +- 0.5; 2.7	12.6 +- 0.6; 4.0	11.4 +- 2.1
3	340	1.9	18.0 +- 0.5; 2.7	12.6 +- 0.6; 4.0	11.7 +- 2.0
4	354	2.0	18.7 +- 0.6; 2.8	13.2 +- 0.6; 4.0	12.0 +- 2.5
5	314	3.8	17.3 +- 0.5; 2.6	11.9 +- 0.6; 3.9	11.4 +- 1.9
6	331	4.2	17.9 +- 0.5; 2.7	12.4 +- 0.6; 3.9	10.9 +- 2.0
7	291	5.4	19.8 +- 0.6; 3.0	14.3 +- 0.7; 4.1	11.6 +- 2.4
8	263	5.1	Missing Dosimeter	No Net Data	10.9 +- 2.0
9	242	5.7	17.4 +- 0.5; 2.6	12.0 +- 0.6; 3.9	11.4 +- 2.5
10	234	6.2	20.1 +- 0.6; 3.0	14.6 +- 0.7; 4.2	11.8 +- 1.4
11	220	6.2	17.1 +- 0.5; 2.6	11.7 +- 0.6; 3.9	11.3 +- 2.3
12	213	6.9	16.7 +- 0.5; 2.5	11.3 +- 0.6; 3.8	11.1 +- 2.0
13	199	10.0	18.4 +- 0.6; 2.8	12.9 +- 0.6; 4.0	11.6 +- 2.0
14	90	10.0	19.2 +- 0.6; 2.9	13.7 +- 0.7; 4.1	11.1 +- 2.4
15	180	10.0	19.8 +- 0.6; 3.0	14.3 +- 0.7; 4.1	13.1 +- 2.0
16	171	10.0	20.4 +- 0.6; 3.1	14.9 +- 0.7; 4.2	13.1 +- 2.0
17	165	9.0	18.9 +- 0.6; 2.8	13.4 +- 0.7; 4.0	12.6 +- 2.1
18	203	16.0	19.2 +- 0.6; 2.9	13.7 +- 0.7; 4.1	12.1 +- 1.7
19	203	16.0	Missing Dosimeter	No Net Data	12.0 +- 2.1
20	203	16.0	20.9 +- 0.6; 3.1	15.4 +- 0.7; 4.2	13.3 +- 1.9
21	268	8.7	16.2 +- 0.5; 2.4	10.8 +- 0.6; 3.8	10.4 +- 2.0
22	256	8.0	17.4 +- 0.5; 2.6	12.0 +- 0.6; 3.9	11.8 +- 2.0
23	275	9.0	17.4 +- 0.5; 2.6	12.0 +- 0.6; 3.9	11.2 +- 2.2
24	285	9.0	20.1 +- 0.6; 3.0	14.6 +- 0.7; 4.2	13.3 +- 2.2
25	293	8.7	19.6 +- 0.6; 2.9	14.1 +- 0.7; 4.1	14.0 +- 2.1
26	301	8.4	20.0 +- 0.6; 3.0	14.5 +- 0.7; 4.2	13.3 +- 2.0
27	311	8.3	18.5 +- 0.6; 2.8	13.0 +- 0.6; 4.0	11.7 +- 1.8
28	327	8.2	17.2 +- 0.5; 2.6	11.8 +- 0.6; 3.9	13.5 +- 1.9
29	339	9.3	18.3 +- 0.5; 2.7	12.9 +- 0.6; 4.0	12.7 +- 2.0
30	350	8.7	18.7 +- 0.6; 2.8	13.2 +- 0.6; 4.0	12.3 +- 2.3
31	359	9.9	17.8 +- 0.5; 2.7	12.3 +- 0.6; 3.9	12.5 +- 1.8
32	2	18.0	19.2 +- 0.6; 2.9	13.7 +- 0.7; 4.1	12.5 +- 1.4
33	2	22.0	18.7 +- 0.6; 2.8	13.3 +- 0.6; 4.0	12.7 +- 1.9
34	18	24.0	19.6 +- 0.6; 2.9	14.0 +- 0.7; 4.1	12.7 +- 2.1
35	28	22.0	18.5 +- 0.6; 2.8	13.0 +- 0.6; 4.0	12.3 +- 2.8
36	15	0.3	18.5 +- 0.6; 2.8	13.1 +- 0.6; 4.0	11.0 +- 1.9
37	228	0.5	18.2 +- 0.5; 2.7	12.8 +- 0.6; 4.0	12.8 +- 2.0

Transit Dose = 4.9 +- 0.4; 3.1

TURKEY POINT  
For the period 950613-951031

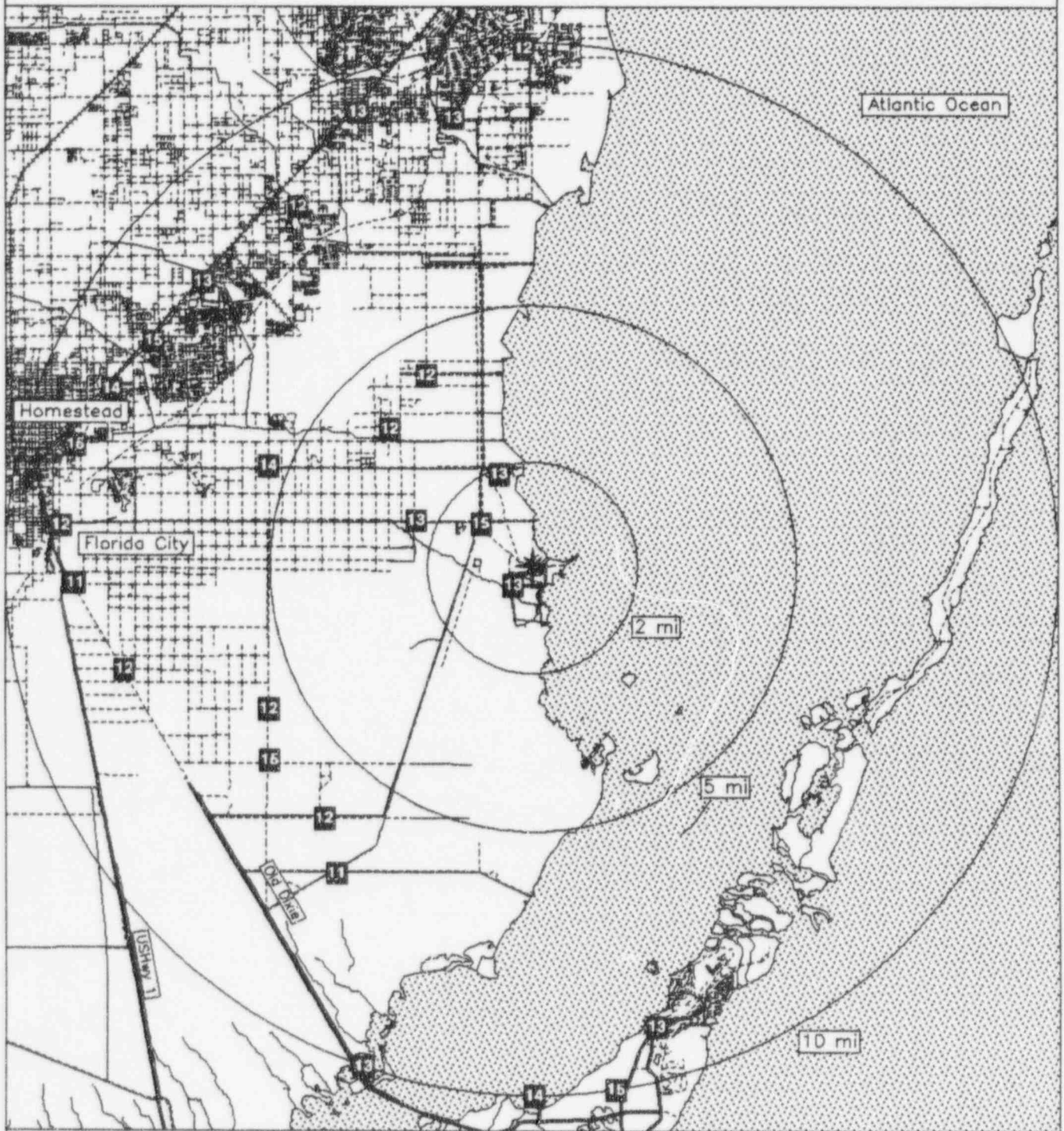
TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	13.1 +- 0.5	5
11.26 - 33.75 NNE	13.4 +- 0.6	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	13.7 +- 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	13.4 +- 0.0	1
168.76 - 191.25 S	14.6 +- 0.4	2
191.26 - 213.75 SSW	12.1 +- 1.2	2
213.76 - 236.25 SW	13.0 +- 1.5	3
236.26 - 258.75 WSW	12.0 +- 0.0	2
258.76 - 281.25 W	11.4 +- 0.9	2
281.26 - 303.75 WNW	14.0 +- 0.8	5
303.76 - 326.25 NW	13.3 +- 1.6	3
326.26 - 348.75 NNW	12.4 +- 0.4	4

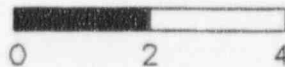
Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	13.3 +- 1.0	5
2 - 5	12.3 +- 0.4	3
> 5	13.1 +- 1.1	25
Upwind Control	14.5 +- 1.2	2



# NRC TLD DOSES FOR TURKEY POINT AREA



Miles



### Legend

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

## VERMONT YANKEE

TLD Direct Radiation Environmental Monitoring

For the period 950615-951017 125 Days

Field Time: 98 Days

NRC Sta	Location		Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
	Azimuth/Dist (Deg)/(Mi)				
1	142	1.0	21.8 +- 0.7; 3.3	No Net Data	15.7 +- 2.1
2	158	1.0	21.7 +- 0.7; 3.3	No Net Data	16.8 +- 1.4
3	184	1.3	20.4 +- 0.6; 3.1	No Net Data	16.1 +- 1.5
4	201	1.4	22.4 +- 0.7; 3.4	No Net Data	16.7 +- 1.7
5	220	1.6	22.1 +- 0.7; 3.3	No Net Data	16.7 +- 1.8
6	157	3.4	21.5 +- 0.6; 3.2	No Net Data	16.8 +- 2.4
7	189	4.9	20.7 +- 0.6; 3.1	No Net Data	16.4 +- 1.5
8	201	13.0	20.1 +- 0.6; 3.0	No Net Data	16.1 +- 1.3
9	208	5.8	20.3 +- 0.6; 3.0	No Net Data	16.2 +- 1.6
10	232	3.7	24.9 +- 0.7; 3.7	No Net Data	18.6 +- 1.7
11	277	2.9	21.8 +- 0.7; 3.3	No Net Data	17.3 +- 1.9
12	292	1.4	22.2 +- 0.7; 3.3	No Net Data	17.1 +- 1.9
13	314	1.4	21.6 +- 0.6; 3.2	No Net Data	16.3 +- 1.6
14	310	4.2	20.9 +- 0.6; 3.1	No Net Data	16.2 +- 1.3
15	299	4.3	20.6 +- 0.6; 3.1	No Net Data	16.2 +- 1.3
16	270	4.5	17.8 +- 0.5; 2.7	No Net Data	14.5 +- 1.6
17	331	5.0	21.7 +- 0.7; 3.3	No Net Data	17.0 +- 1.3
18	290	19.0	25.1 +- 0.8; 3.8	No Net Data	18.6 +- 1.7
19	290	19.0	22.1 +- 0.7; 3.3	No Net Data	17.9 +- 1.8
20	290	19.0	21.3 +- 0.6; 3.2	No Net Data	18.1 +- 1.9
21	359	3.2	21.2 +- 0.6; 3.2	No Net Data	16.7 +- 1.7
23	334	2.2	20.7 +- 0.6; 3.1	No Net Data	16.1 +- 1.7
24	4	0.9	22.3 +- 0.7; 3.3	No Net Data	17.0 +- 1.6
25	30	1.0	19.3 +- 0.6; 2.9	No Net Data	15.7 +- 1.5
26	72	1.5	21.7 +- 0.6; 3.2	No Net Data	17.3 +- 1.6
27	44	0.7	20.0 +- 0.6; 3.0	No Net Data	16.4 +- 1.5
28	39	2.8	Missing Dosimeter	No Net Data	17.8 +- 2.1
29	25	3.8	24.9 +- 0.7; 3.7	No Net Data	19.4 +- 1.8
30	72	2.7	24.0 +- 0.7; 3.6	No Net Data	18.7 +- 2.2
31	85	2.0	22.3 +- 0.7; 3.3	No Net Data	16.8 +- 1.6
32	111	1.8	21.0 +- 0.6; 3.1	No Net Data	16.6 +- 1.5
33	134	4.0	20.2 +- 0.6; 3.0	No Net Data	16.3 +- 1.3
34	151	6.0	19.4 +- 0.6; 2.9	No Net Data	14.7 +- 1.4
35	111	4.3	23.5 +- 0.7; 3.5	No Net Data	18.6 +- 1.6
36	92	4.7	25.1 +- 0.8; 3.8	No Net Data	19.0 +- 1.7
37	50	15.0	25.0 +- 0.7; 3.7	No Net Data	20.9 +- 1.4
39	222	0.3	23.4 +- 0.7; 3.5	No Net Data	18.1 +- 1.4
40	250	3.0	21.7 +- 0.6; 3.2	No Net Data	17.0 +- 1.6

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

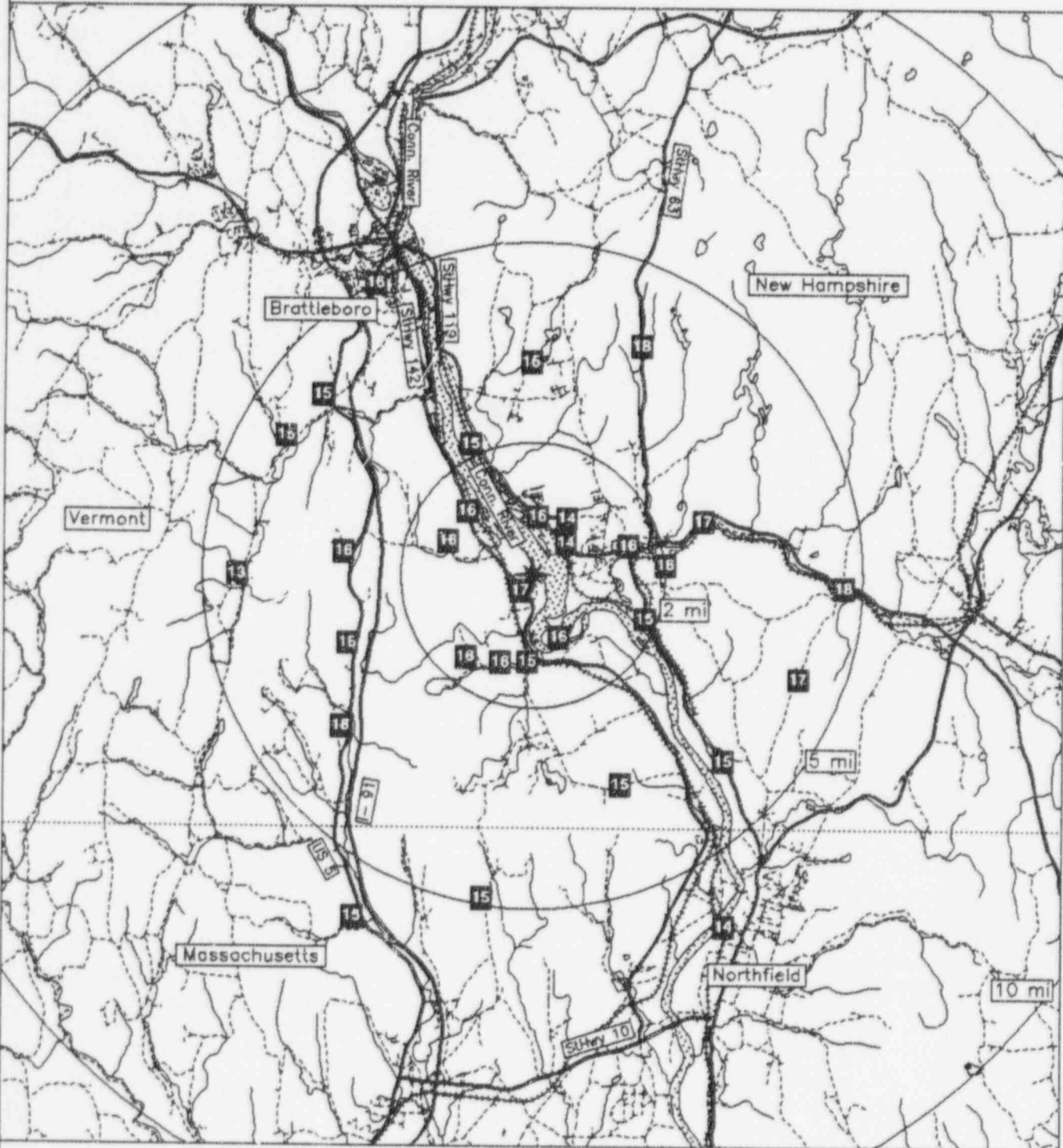
VERMONT YANKEE  
For the period 950615-951017

TLD Direct Radiation Environmental Monitoring

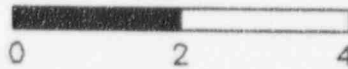
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	15.7 +- 0.6	2
11.26 - 33.75 NNE	15.9 +- 2.9	2
33.76 - 56.25 NE	16.2 +- 2.6	2
56.26 - 78.75 ENE	16.4 +- 1.2	2
78.76 - 101.25 E	17.1 +- 1.4	2
101.26 - 123.75 ESE	16.0 +- 1.3	2
123.76 - 146.25 SE	15.1 +- 0.8	2
146.26 - 168.75 SSE	15.0 +- 0.9	3
168.76 - 191.25 S	14.8 +- 0.1	2
191.26 - 213.75 SSW	15.1 +- 0.9	3
213.76 - 236.25 SW	16.9 +- 1.0	3
236.26 - 258.75 WSW	15.6 +- 0.0	1
258.76 - 281.25 W	14.3 +- 2.0	2
281.26 - 303.75 WNW	15.4 +- 0.8	2
303.76 - 326.25 NW	15.3 +- 0.3	2
326.26 - 348.75 NNW	15.3 +- 0.5	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	15.5 +- 0.8	14
2 - 5	15.8 +- 1.4	16
> 5	15.3 +- 1.8	4
Upwind Control	16.4 +- 1.4	3

# NRC TLD DOSES FOR VERMONT YANKEE AREA



Miles



### Legend

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

VOGTLE (GA)

TLD Direct Radiation Environmental Monitoring

For the period 950614-951026 135 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	298	1.6	17.7 +- 0.5; 2.6	16.2 +- 0.6; 3.8	14.3 +- 1.8
2	309	1.6	18.5 +- 0.6; 2.8	17.1 +- 0.6; 3.9	14.2 +- 1.9
3	336	1.4	18.6 +- 0.6; 2.8	17.1 +- 0.6; 3.9	14.2 +- 2.5
4	270	1.3	18.5 +- 0.6; 2.8	17.0 +- 0.6; 3.9	14.0 +- 2.1
5	247	1.2	18.8 +- 0.6; 2.8	17.3 +- 0.6; 3.9	14.8 +- 1.9
6	215	1.2	21.9 +- 0.7; 3.3	20.4 +- 0.7; 4.3	18.0 +- 2.0
7	205	1.2	19.5 +- 0.6; 2.9	18.0 +- 0.6; 4.0	17.4 +- 2.0
8	180	1.1	19.3 +- 0.6; 2.9	17.8 +- 0.6; 4.0	17.2 +- 1.9
9	153	1.2	20.4 +- 0.6; 3.1	19.0 +- 0.7; 4.1	15.8 +- 2.1
10	134	3.2	20.5 +- 0.6; 3.1	19.1 +- 0.7; 4.1	17.1 +- 1.8
11	103	1.1	16.2 +- 0.5; 2.4	14.8 +- 0.6; 3.7	12.6 +- 2.6
12	134	3.3	Damaged Dosimeter	No Net Data	14.8 +- 1.9
13	123	4.2	18.6 +- 0.6; 2.8	17.1 +- 0.6; 3.9	15.2 +- 1.8
14	141	4.6	19.5 +- 0.6; 2.9	18.0 +- 0.6; 4.0	14.3 +- 3.5
15	153	5.3	17.8 +- 0.5; 2.7	16.3 +- 0.6; 3.8	13.2 +- 1.9
16	162	6.3	19.2 +- 0.6; 2.9	17.7 +- 0.6; 4.0	15.3 +- 2.1
17	157	7.3	18.7 +- 0.6; 2.8	17.2 +- 0.6; 3.9	17.4 +- 2.7
18	191	4.8	18.7 +- 0.6; 2.8	17.2 +- 0.6; 3.9	13.6 +- 1.8
19	208	4.7	17.3 +- 0.5; 2.6	15.8 +- 0.6; 3.8	13.1 +- 2.1
20	232	4.9	17.2 +- 0.5; 2.6	15.7 +- 0.6; 3.8	13.6 +- 2.1
21	250	5.6	19.2 +- 0.6; 2.9	17.7 +- 0.6; 4.0	14.7 +- 2.0
22	264	4.3	19.2 +- 0.6; 2.9	17.8 +- 0.6; 4.0	14.2 +- 2.1
23	301	4.2	18.4 +- 0.6; 2.8	16.9 +- 0.6; 3.9	14.5 +- 2.1
24	308	4.6	17.5 +- 0.5; 2.6	16.0 +- 0.6; 3.8	14.5 +- 2.7
25	329	6.7	18.2 +- 0.5; 2.7	16.7 +- 0.6; 3.9	16.0 +- 2.9
26	258	15.0	21.5 +- 0.6; 3.2	20.0 +- 0.7; 4.2	17.4 +- 2.2
27	300	13.0	Missing Dosimeter	No Net Data	17.1 +- 1.7
28	330	30.0	17.0 +- 0.5; 2.5	15.5 +- 0.6; 3.7	14.3 +- 2.0

Transit Dose = 1.5 +- 0.3; 2.7

VOISTLE (GA)

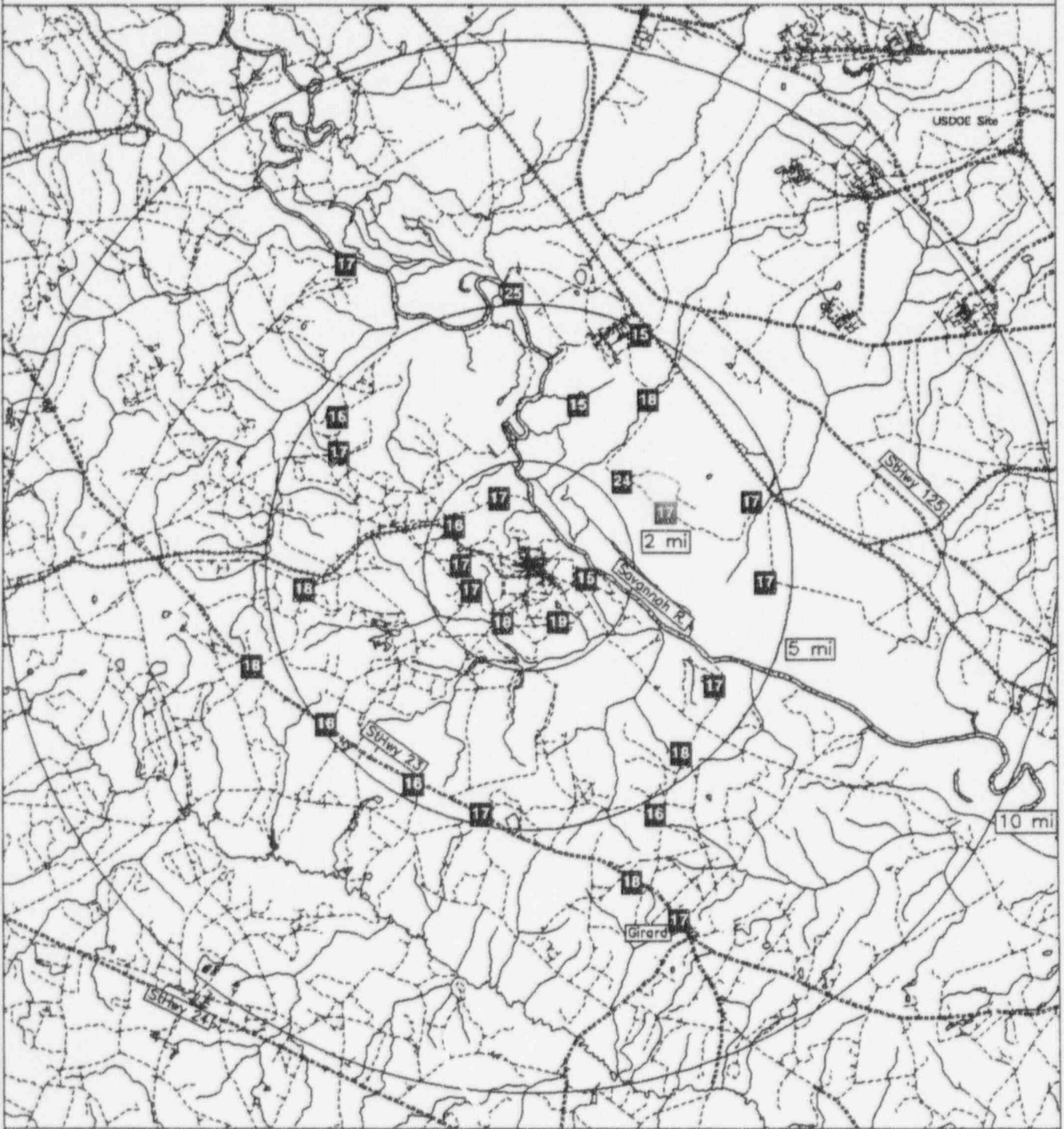
For the period 950614-951026

## TLD Direct Radiation Environmental Monitoring

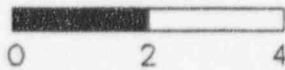
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	No Data +- No Data	0
11.26 - 33.75 NNE	No Data +- No Data	0
33.76 - 56.25 NE	No Data +- No Data	0
56.26 - 78.75 ENE	No Data +- No Data	0
78.76 - 101.25 E	No Data +- No Data	0
101.26 - 123.75 ESE	15.9 +- 1.6	2
123.76 - 146.25 SE	18.5 +- 0.8	2
146.26 - 168.75 SSE	17.6 +- 1.1	4
168.76 - 191.25 S	17.5 +- 0.5	2
191.26 - 213.75 SSW	16.9 +- 1.6	2
213.76 - 236.25 SW	18.1 +- 3.4	2
236.26 - 258.75 WSW	17.5 +- 0.3	2
258.76 - 281.25 W	17.4 +- 0.5	2
281.26 - 303.75 WNW	16.5 +- 0.5	2
303.76 - 326.25 NW	16.5 +- 0.8	2
326.26 - 348.75 NNW	16.9 +- 0.3	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	17.5 +- 1.5	10
2 - 5	17.0 +- 1.1	9
> 5	17.1 +- 0.6	5
Upwind Control	17.8 +- 3.2	2

# NRC TLD DOSES FOR VOGTLE AREA



Miles



## Legend



Water



Railroads



Roads



Plant..site

VOGTLE (SC)

TLD Direct Radiation Environmental Monitoring

For the period 950614-951026 135 Days

Field Time: 90 Days

NRC Sta	Location		Gross Exposure (mR)		Net Exposure Rate (mR/Std. Qtr.)		Hist. Range Net Exp Rate	
	Azimuth/ (Deg)	Dist (Mi)	+-Rdm; Tot.		+-Rdm; Tot.		+-1 Std Dev	
31	357	5.2	29.9	+ - 0.9; 4.5	25.1	+ - 1.0; 5.4	17.5	+ - 3.7
32	26	4.9	19.5	+ - 0.6; 2.9	14.7	+ - 0.7; 4.2	12.4	+ - 2.7
33	17	3.2	20.2	+ - 0.6; 3.0	15.3	+ - 0.7; 4.3	12.7	+ - 2.4
34	36	3.9	22.5	+ - 0.7; 3.4	17.7	+ - 0.8; 4.5	13.9	+ - 2.3
35	48	2.4	28.3	+ - 0.9; 4.3	23.5	+ - 0.9; 5.2	18.6	+ - 2.8
36	69	2.8	21.6	+ - 0.6; 3.2	16.8	+ - 0.7; 4.4	14.5	+ - 2.7
37	74	4.4	21.8	+ - 0.7; 3.3	17.0	+ - 0.8; 4.4	14.1	+ - 4.1
38	94	4.5	22.0	+ - 0.7; 3.3	17.2	+ - 0.8; 4.5	13.7	+ - 2.7

Transit Dose = 4.8 +- 0.4; 3.0



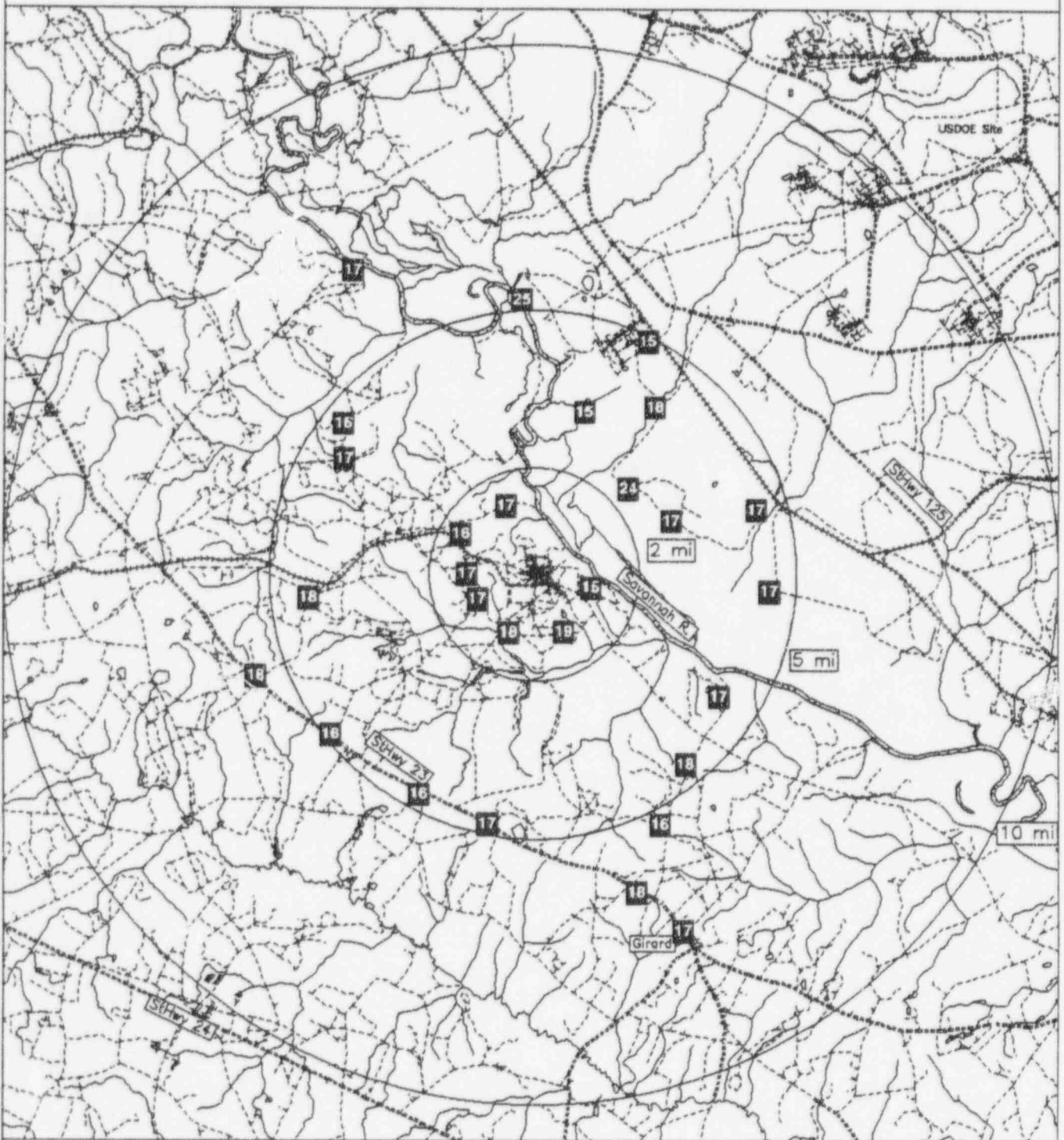
VOGTLE (SC)  
For the period 950614-951026

TLD Direct Radiation Environmental Monitoring

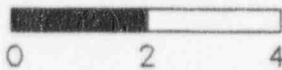
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	25.1 +- 0.0	1
11.26 - 33.75 NNE	15.0 +- 0.4	2
33.76 - 56.25 NE	20.6 +- 4.1	2
56.26 - 78.75 ENE	16.9 +- 0.1	2
78.76 - 101.25 E	17.2 +- 0.0	1
101.26 - 123.75 ESE	No Data +- No Data	0
123.76 - 146.25 SE	No Data +- 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 +- 2.9	7
> 5	25.1 +- 0.0	1
Upwind Control	No Data +- No Data	0

# NRC TLD DOSES FOR VOGTLE AREA



Miles



Legend



Water



Railroads



Roads



Plant..site

## WASHINGTON NUCLEAR 2

TLD Direct Radiation Environmental Monitoring

For the period 950611-951019 131 Days

Field Time: 93 Days

NRC Sta	Location		Gross Exposure (mR)		Net Exposure Rate (mR/Std. Qtr.)		Hist. Range Net Exp Rate	
	Azimuth/ (Deg)	Dist (Mi)	+-Rdm; Tot.		+-Rdm; Tot.		+-1 Std Dev	
1	174	12.0	22.5	+- 0.7; 3.4	18.5	+- 0.7; 4.3	17.9	+- 0.9
2	163	11.0	21.7	+- 0.7; 3.3	17.8	+- 0.7; 4.3	17.6	+- 1.0
3	161	9.0	22.3	+- 0.7; 3.3	18.3	+- 0.7; 4.3	17.2	+- 0.9
4	152	5.0	24.4	+- 0.7; 3.7	20.3	+- 0.8; 4.6	18.8	+- 1.0
5	195	2.0	22.4	+- 0.7; 3.4	18.4	+- 0.7; 4.3	17.9	+- 0.9
6	220	1.5	24.8	+- 0.7; 3.7	20.8	+- 0.8; 4.6	18.1	+- 1.4
7	92	3.0	25.1	+- 0.8; 3.8	21.0	+- 0.8; 4.6	19.2	+- 1.3
8	155	1.0	22.5	+- 0.7; 3.4	18.6	+- 0.7; 4.4	17.2	+- 1.3
9	130	0.5	22.9	+- 0.7; 3.4	18.9	+- 0.7; 4.4	18.2	+- 1.1
10	70	0.5	24.0	+- 0.7; 3.6	20.0	+- 0.8; 4.5	18.4	+- 1.4
11	25	0.8	24.4	+- 0.7; 3.7	20.3	+- 0.8; 4.6	18.4	+- 1.0
12	315	0.5	23.3	+- 0.7; 3.5	19.3	+- 0.7; 4.4	18.7	+- 1.4
13	290	0.5	31.6	+- 0.9; 4.7	27.4	+- 1.0; 5.4	22.4	+- 3.1
14	270	0.5	24.1	+- 0.7; 3.6	20.1	+- 0.8; 4.5	18.4	+- 1.3
15	245	1.8	23.1	+- 0.7; 3.5	19.1	+- 0.7; 4.4	18.6	+- 1.0
16	285	3.0	23.2	+- 0.7; 3.5	19.2	+- 0.7; 4.4	19.0	+- 1.2
17	240	4.0	22.0	+- 0.7; 3.3	18.1	+- 0.7; 4.3	17.4	+- 1.2
18	198	7.0	22.8	+- 0.7; 3.4	18.8	+- 0.7; 4.4	17.1	+- 1.4
19	173	8.5	23.2	+- 0.7; 3.5	19.2	+- 0.7; 4.4	18.3	+- 1.0
20	150	20.0	23.3	+- 0.7; 3.5	19.3	+- 0.7; 4.4	18.4	+- 1.0
21	114	7.0	22.0	+- 0.7; 3.3	18.0	+- 0.7; 4.3	18.6	+- 1.4
22	120	8.0	23.0	+- 0.7; 3.5	19.1	+- 0.7; 4.4	17.9	+- 1.0
23	134	6.0	25.1	+- 0.8; 3.8	21.0	+- 0.8; 4.6	20.2	+- 1.3
24	110	4.0	28.0	+- 0.8; 4.2	23.9	+- 0.9; 5.0	22.1	+- 1.3
25	85	5.0	24.1	+- 0.7; 3.6	20.1	+- 0.8; 4.5	18.8	+- 1.3
26	65	5.0	24.5	+- 0.7; 3.7	20.5	+- 0.8; 4.6	20.5	+- 1.5
27	53	4.0	24.7	+- 0.7; 3.7	20.7	+- 0.8; 4.6	18.1	+- 1.3
28	44	8.0	24.5	+- 0.7; 3.7	20.5	+- 0.8; 4.6	19.9	+- 1.6
29	33	10.0	25.3	+- 0.8; 3.8	21.3	+- 0.8; 4.7	18.5	+- 1.8
30	8	9.5	24.7	+- 0.7; 3.7	20.7	+- 0.8; 4.6	19.7	+- 1.5
31	215	15.0	21.1	+- 0.6; 3.2	17.2	+- 0.7; 4.2	17.5	+- 1.2

Transit Dose = 3.3 +- 0.3; 3.0

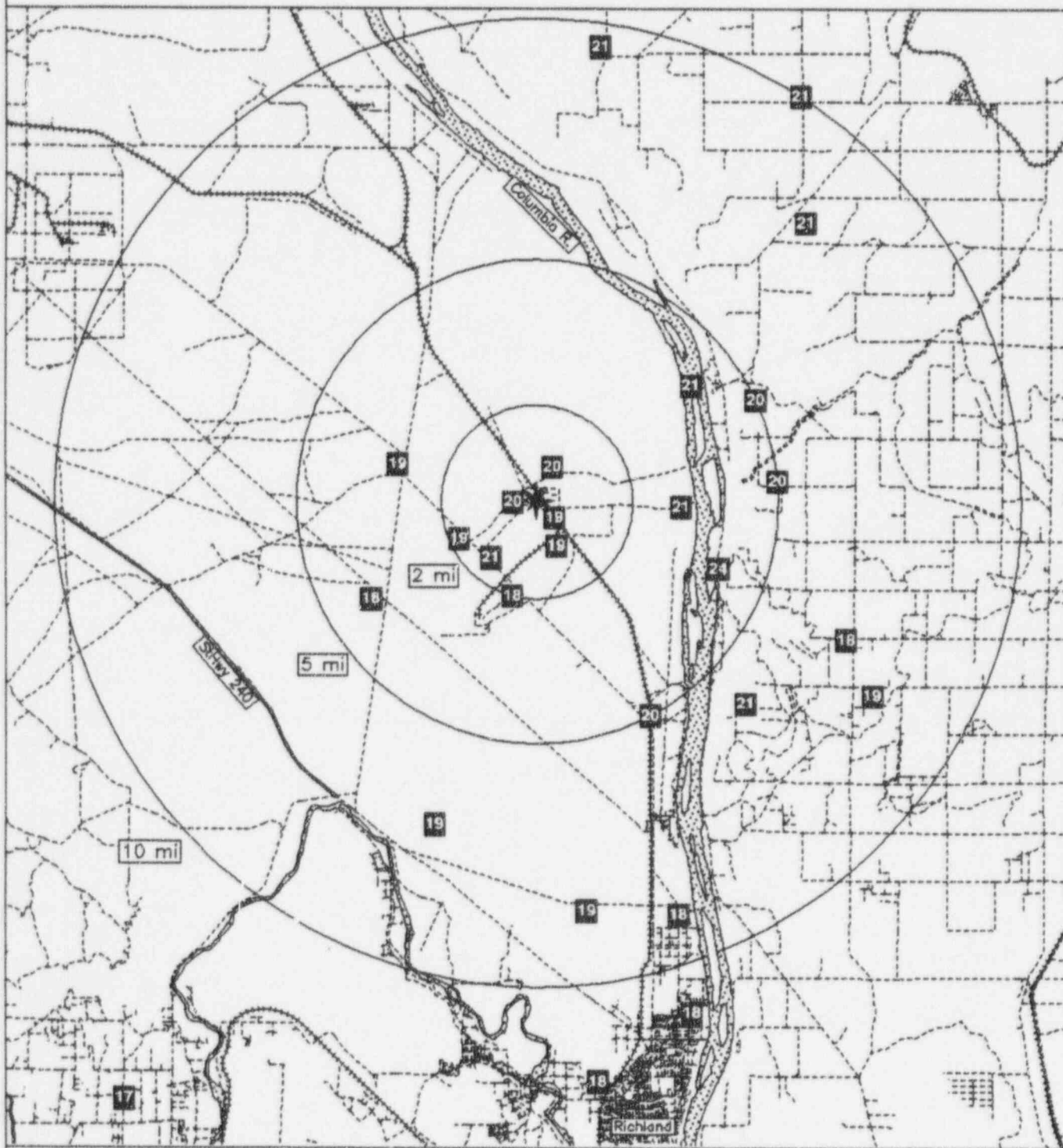
WASHINGTON NUCLEAR 2  
For the period 950611-951019

## TLD Direct Radiation Environmental Monitoring

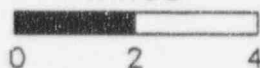
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	20.7 +- 0.0	1
11.26 - 33.75 NNE	20.8 +- 0.7	2
33.76 - 56.25 NE	20.6 +- 0.1	2
56.26 - 78.75 ENE	20.3 +- 0.3	2
78.76 - 101.25 E	20.6 +- 0.6	2
101.26 - 123.75 ESE	20.3 +- 3.1	3
123.76 - 146.25 SE	20.0 +- 1.5	2
146.26 - 168.75 SSE	18.9 +- 1.0	5
168.76 - 191.25 S	19.2 +- 0.0	1
191.26 - 213.75 SSW	18.6 +- 0.3	2
213.76 - 236.25 SW	20.8 +- 0.0	1
236.26 - 258.75 WSW	18.6 +- 0.7	2
258.76 - 281.25 W	20.1 +- 0.0	1
281.26 - 303.75 WNW	23.3 +- 5.8	2
303.76 - 326.25 NW	19.3 +- 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	20.3 +- 2.6	10
2 - 5	20.5 +- 1.7	8
> 5	19.5 +- 1.2	11
Upwind Control	17.9 +- 0.9	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 950611-951019 131 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	19.1 +- 0.6; 2.9	16.8 +- 0.6; 3.7	15.5 +- 1.7
2	116 1.1	15.2 +- 0.5; 2.3	13.3 +- 0.5; 3.4	15.0 +- 2.2
3	132 1.3	20.1 +- 0.6; 3.0	17.6 +- 0.6; 3.8	17.5 +- 2.1
4	160 1.8	18.9 +- 0.6; 2.8	16.6 +- 0.6; 3.7	15.3 +- 1.8
5	183 1.4	19.0 +- 0.6; 2.9	16.7 +- 0.6; 3.7	15.2 +- 1.8
6	202 1.2	19.6 +- 0.6; 2.9	17.2 +- 0.6; 3.8	15.5 +- 1.9
7	226 1.2	18.8 +- 0.6; 2.8	16.6 +- 0.6; 3.7	15.1 +- 1.6
8	248 1.3	18.4 +- 0.6; 2.8	16.1 +- 0.6; 3.7	17.0 +- 1.7
9	265 1.9	14.8 +- 0.4; 2.2	12.8 +- 0.5; 3.3	14.3 +- 2.3
10	186 4.2	20.8 +- 0.6; 3.1	18.3 +- 0.6; 3.9	16.9 +- 1.9
11	315 4.4	16.4 +- 0.5; 2.5	14.3 +- 0.5; 3.5	15.9 +- 1.9
12	328 4.1	19.4 +- 0.6; 2.9	17.1 +- 0.6; 3.8	16.9 +- 1.9
13	309 0.8	18.0 +- 0.5; 2.7	15.8 +- 0.5; 3.6	14.9 +- 1.6
14	273 0.9	19.2 +- 0.6; 2.9	16.8 +- 0.6; 3.7	17.0 +- 2.6
15	292 0.8	14.5 +- 0.4; 2.2	12.6 +- 0.5; 3.3	13.4 +- 1.6
16	335 0.5	16.3 +- 0.5; 2.5	14.3 +- 0.5; 3.5	13.5 +- 1.4
17	120 4.3	17.4 +- 0.5; 2.6	15.2 +- 0.5; 3.6	13.6 +- 1.9
18	145 3.5	18.1 +- 0.5; 2.7	15.9 +- 0.5; 3.6	14.5 +- 1.3
19	153 8.1	18.9 +- 0.6; 2.8	16.6 +- 0.6; 3.7	15.8 +- 1.7
20	133 8.1	17.6 +- 0.5; 2.6	15.5 +- 0.5; 3.6	15.8 +- 1.8
21	116 6.7	18.3 +- 0.5; 2.7	16.0 +- 0.6; 3.7	14.8 +- 1.9
22	95 4.3	17.9 +- 0.5; 2.7	15.7 +- 0.5; 3.6	15.1 +- 1.5
23	86 2.6	17.4 +- 0.5; 2.6	15.3 +- 0.5; 3.6	15.0 +- 1.8
24	66 4.2	21.6 +- 0.6; 3.2	19.1 +- 0.6; 4.0	18.0 +- 1.9
25	37 3.5	22.3 +- 0.7; 3.4	19.7 +- 0.7; 4.1	16.4 +- 1.7
26	23 3.8	17.1 +- 0.5; 2.6	15.0 +- 0.5; 3.5	14.1 +- 1.9
27	350 4.9	18.3 +- 0.5; 2.7	16.0 +- 0.6; 3.7	15.2 +- 1.8
28	335 5.0	18.0 +- 0.5; 2.7	15.7 +- 0.5; 3.6	15.5 +- 1.7
29	6 2.8	17.2 +- 0.5; 2.6	15.0 +- 0.5; 3.6	13.8 +- 1.8
30	356 1.1	20.3 +- 0.6; 3.0	17.9 +- 0.6; 3.8	15.4 +- 2.4
31	15 0.8	17.1 +- 0.5; 2.6	15.0 +- 0.5; 3.5	15.8 +- 2.2
32	40 0.8	15.0 +- 0.5; 2.3	13.1 +- 0.5; 3.4	13.7 +- 2.1
33	69 1.1	17.4 +- 0.5; 2.6	15.3 +- 0.5; 3.6	15.3 +- 2.8
34	292 15.0	Missing Dosimeter	No Net Data	15.3 +- 1.9
35	282 27.0	21.1 +- 0.6; 3.2	18.6 +- 0.6; 3.9	17.5 +- 2.2
36	268 21.0	17.5 +- 0.5; 2.6	15.3 +- 0.5; 3.6	14.3 +- 2.1

Transit Dose = 0.6 +- 0.3; 2.9

## WATERFORD

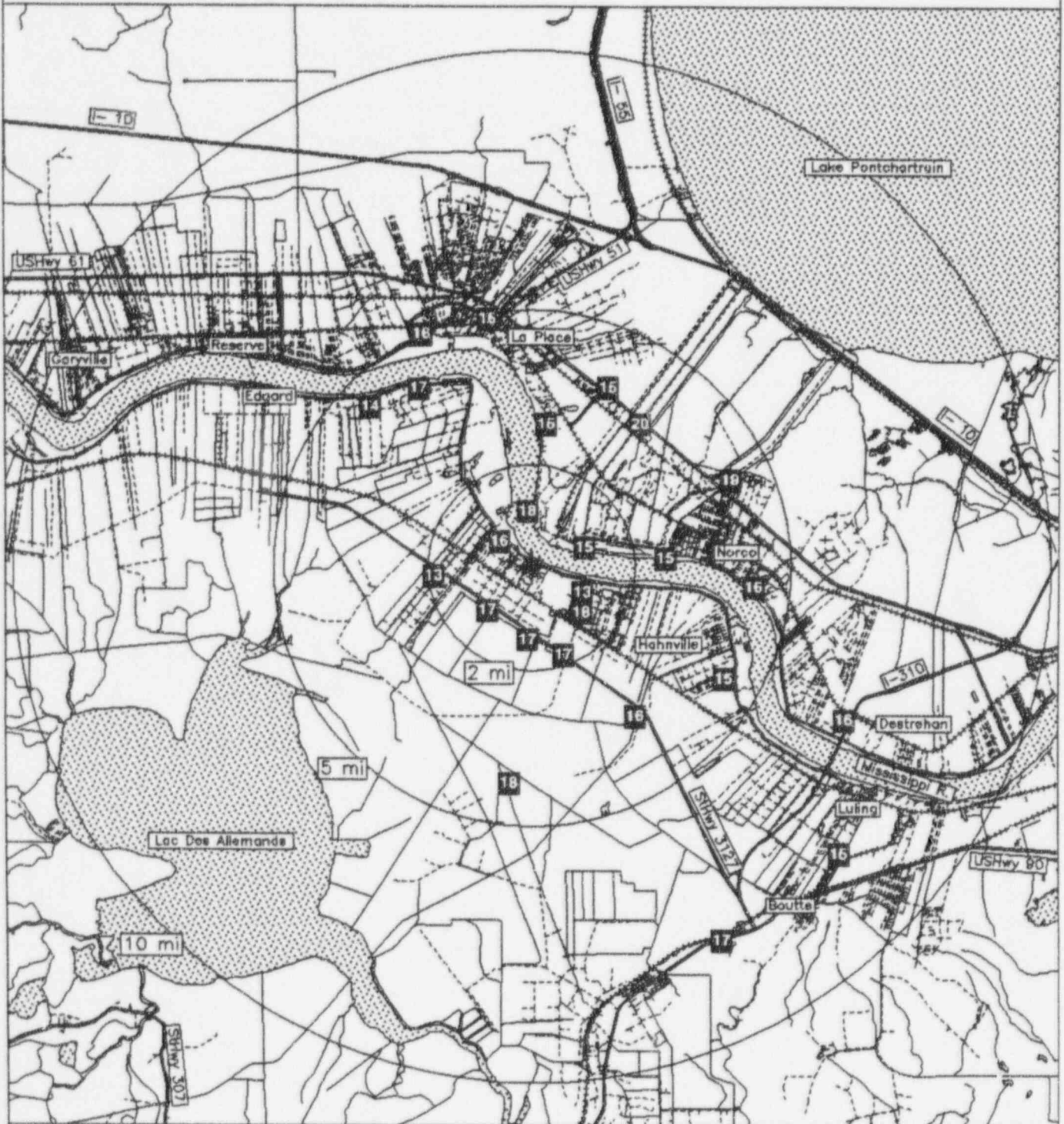
For the period 950611-951019

## TLD Direct Radiation Environmental Monitoring

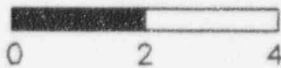
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	16.3 +- 1.5	3
11.26 - 33.75 NNE	15.0 +- 0.0	2
33.76 - 56.25 NE	16.4 +- 4.7	2
56.26 - 78.75 ENE	17.2 +- 2.7	2
78.76 - 101.25 E	15.9 +- 0.8	3
101.26 - 123.75 ESE	14.9 +- 1.4	3
123.76 - 146.25 SE	16.3 +- 1.2	3
146.26 - 168.75 SSE	16.6 +- 0.0	2
168.76 - 191.25 S	17.5 +- 1.1	2
191.26 - 213.75 SSW	17.2 +- 0.0	1
213.76 - 236.25 SW	16.6 +- 0.0	1
236.26 - 258.75 WSW	16.1 +- 0.0	1
258.76 - 281.25 W	14.8 +- 2.8	2
281.26 - 303.75 WNW	12.6 +- 0.0	1
303.76 - 326.25 NW	15.0 +- 1.1	2
326.26 - 348.75 NNW	15.7 +- 1.4	3

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	15.6 +- 1.7	17
2 - 5	16.3 +- 1.7	13
> 5	16.0 +- 0.6	3
Upwind Control	17.0 +- 2.4	2

# NRC TLD DOSES FOR WATERFORD AREA



Miles



## Legend



Water



Highways

--- Railroads

--- Roads



Plant..site



## WATTS BAR

TLD Direct Radiation Environmental Monitoring

For the period 950614-951025 134 Days

Field Time: 106 Days

NRC Sta	Location		Gross Exposure (mR)		Net Exposure Rate (mR/Std. Qtr.)		Hist. Range Net Exp Rate	
	Azimuth/Dist (Deg)/(Mi)		+-Rdm; Tot.		+-Rdm; Tot.		+-1 Std Dev	
1	337	0.9	20.6	+- 0.6; 3.1	17.5	+- 0.6; 3.7	17.0	+- 2.2
2	314	2.1	21.1	+- 0.6; 3.2	17.9	+- 0.6; 3.7	17.3	+- 2.3
3	297	1.9	21.1	+- 0.6; 3.2	17.9	+- 0.6; 3.7	17.2	+- 2.4
4	272	2.0	20.3	+- 0.6; 3.0	17.2	+- 0.5; 3.6	16.6	+- 2.3
5	251	1.9	22.3	+- 0.7; 3.3	18.9	+- 0.6; 3.8	18.9	+- 2.4
6	235	1.8	25.0	+- 0.7; 3.7	21.2	+- 0.7; 4.1	20.4	+- 2.6
7	230	3.8	24.0	+- 0.7; 3.6	20.4	+- 0.6; 4.0	19.3	+- 2.4
8	208	3.6	21.9	+- 0.7; 3.3	18.6	+- 0.6; 3.8	18.0	+- 2.4
9	249	4.2	22.4	+- 0.7; 3.4	19.0	+- 0.6; 3.8	15.7	+- 2.6
10	266	3.1	20.0	+- 0.6; 3.1	17.3	+- 0.5; 3.6	16.7	+- 2.3
11	289	3.3	17.1	+- 0.5; 2.6	14.5	+- 0.5; 3.4	14.2	+- 2.1
12	310	4.7	17.0	+- 0.5; 2.6	14.5	+- 0.5; 3.4	14.5	+- 2.3
13	337	3.6	17.0	+- 0.5; 2.6	14.5	+- 0.5; 3.4	15.4	+- 2.8
14	330	7.0	18.2	+- 0.5; 2.7	15.4	+- 0.5; 3.4	15.2	+- 2.2
15	350	4.7	21.8	+- 0.7; 3.3	18.5	+- 0.6; 3.8	18.4	+- 2.5
16	7	1.1	23.6	+- 0.7; 3.5	20.1	+- 0.6; 4.0	20.0	+- 2.6
17	23	1.6	15.4	+- 0.5; 2.3	13.1	+- 0.4; 3.2	13.2	+- 2.3
18	41	2.3	19.3	+- 0.6; 2.9	16.4	+- 0.5; 3.5	16.0	+- 2.4
19	69	1.3	21.9	+- 0.7; 3.3	18.6	+- 0.6; 3.8	18.6	+- 2.2
20	89	1.2	21.1	+- 0.6; 3.2	17.9	+- 0.6; 3.7	19.7	+- 2.5
21	114	1.1	19.1	+- 0.6; 2.9	16.2	+- 0.5; 3.5	15.7	+- 2.3
22	141	1.0	22.5	+- 0.7; 3.4	19.1	+- 0.6; 3.8	19.0	+- 2.4
23	163	1.1	26.2	+- 0.8; 3.9	22.3	+- 0.7; 4.2	21.8	+- 2.5
24	187	1.1	19.8	+- 0.6; 3.0	16.8	+- 0.5; 3.6	18.0	+- 2.8
25	203	1.2	17.1	+- 0.5; 2.6	14.5	+- 0.5; 3.4	17.6	+- 2.8
26	184	5.9	24.8	+- 0.7; 3.7	21.1	+- 0.7; 4.1	18.0	+- 3.0
27	176	4.5	20.6	+- 0.6; 3.1	17.5	+- 0.6; 3.7	17.2	+- 2.5
28	161	3.5	20.3	+- 0.6; 3.0	17.2	+- 0.5; 3.6	16.1	+- 2.2
29	144	3.0	19.6	+- 0.6; 2.9	16.6	+- 0.5; 3.6	16.5	+- 2.4
30	117	3.1	20.1	+- 0.6; 3.0	17.0	+- 0.5; 3.6	15.7	+- 2.5
31	97	4.0	20.3	+- 0.6; 3.0	17.3	+- 0.5; 3.6	16.2	+- 2.3
32	76	4.1	16.7	+- 0.5; 2.5	14.2	+- 0.5; 3.3	13.9	+- 2.4
33	32	4.1	19.3	+- 0.6; 2.9	16.4	+- 0.5; 3.5	16.9	+- 2.3
34	36	4.7	15.8	+- 0.5; 2.4	13.4	+- 0.4; 3.3	13.7	+- 2.2
35	38	19.0	20.2	+- 0.6; 3.0	17.1	+- 0.5; 3.6	15.6	+- 2.4
36	38	19.0	21.8	+- 0.7; 3.3	18.5	+- 0.6; 3.8	16.6	+- 3.6
37	38	19.0	20.0	+- 0.6; 3.0	17.0	+- 0.5; 3.6	17.2	+- 2.3

Transit Dose = 0.0 +- 0.2; 3.0

## WATTS BAR

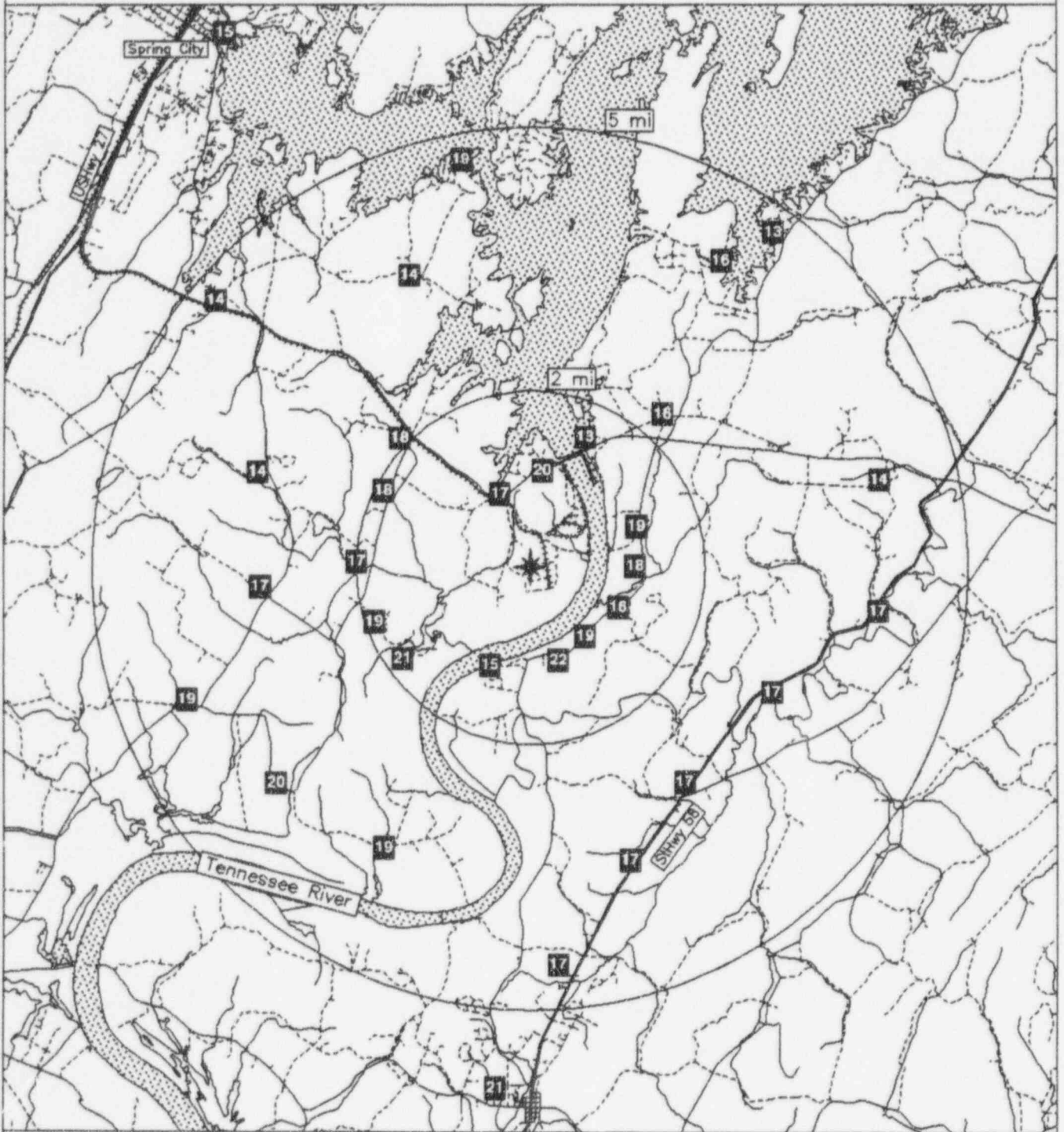
For the period 950614-951025

## TLD Direct Radiation Environmental Monitoring

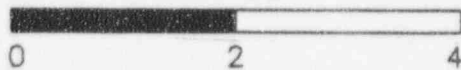
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	19.3 +- 1.1	2
11.26 - 33.75 NNE	14.7 +- 2.3	2
33.76 - 56.25 NE	14.9 +- 2.1	2
56.26 - 78.75 ENE	16.4 +- 3.2	2
78.76 - 101.25 E	17.6 +- 0.5	2
101.26 - 123.75 ESE	16.6 +- 0.6	2
123.76 - 146.25 SE	17.9 +- 1.8	2
146.26 - 168.75 SSE	19.7 +- 3.6	2
168.76 - 191.25 S	18.4 +- 2.3	3
191.26 - 213.75 SSW	16.6 +- 2.9	2
213.76 - 236.25 SW	20.8 +- 0.6	2
236.26 - 258.75 WSW	19.0 +- 0.1	2
258.76 - 281.25 W	17.2 +- 0.0	2
281.26 - 303.75 WNW	16.2 +- 2.4	2
303.76 - 326.25 NW	16.2 +- 2.4	2
326.26 - 348.75 NNW	15.8 +- 1.6	3

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	18.0 +- 2.4	14
2 - 5	16.7 +- 1.9	18
> 5	18.2 +- 4.0	2
Upwind Control	17.5 +- 0.8	3

# NRC TLD DOSES FOR WATTS BAR AREA



Miles



### Legend



Water



Highways



Railroads



Roads



Plant..site

## WOLF CREEK

TLD Direct Radiation Environmental Monitoring

For the period 950611-951019 131 Days

Field Time: 94 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	316	2.9	22.7	+ - 0.7; 3.4	17.6	+ - 0.7; 4.4	19.4	+ - 1.5
2	330	1.8	22.6	+ - 0.7; 3.4	17.5	+ - 0.7; 4.4	18.3	+ - 1.3
3	360	2.8	22.2	+ - 0.7; 3.3	17.1	+ - 0.7; 4.3	18.6	+ - 1.4
4	355	1.6	25.0	+ - 0.8; 3.8	19.8	+ - 0.8; 4.6	19.1	+ - 1.3
5	31	1.8	24.9	+ - 0.7; 3.7	19.7	+ - 0.8; 4.6	19.4	+ - 1.4
6	47	2.0	22.2	+ - 0.7; 3.3	17.1	+ - 0.7; 4.3	16.9	+ - 1.6
7	70	1.6	21.7	+ - 0.6; 3.2	16.6	+ - 0.7; 4.3	17.9	+ - 1.5
8	90	1.7	24.0	+ - 0.7; 3.6	18.8	+ - 0.8; 4.5	20.0	+ - 1.5
9	111	2.4	23.2	+ - 0.7; 3.5	18.0	+ - 0.8; 4.4	19.3	+ - 1.4
10	137	2.5	24.6	+ - 0.7; 3.7	19.4	+ - 0.8; 4.6	19.0	+ - 1.4
11	157	3.4	24.9	+ - 0.7; 3.7	19.7	+ - 0.8; 4.6	20.4	+ - 1.3
12	184	3.3	24.6	+ - 0.7; 3.7	19.4	+ - 0.8; 4.6	19.8	+ - 1.3
13	213	2.9	20.0	+ - 0.6; 3.0	14.9	+ - 0.7; 4.1	19.2	+ - 1.7
14	233	2.4	23.7	+ - 0.7; 3.5	18.5	+ - 0.8; 4.5	19.5	+ - 1.6
15	248	2.2	23.0	+ - 0.7; 3.5	17.9	+ - 0.7; 4.4	19.1	+ - 1.3
16	278	2.1	24.0	+ - 0.7; 3.6	18.8	+ - 0.8; 4.5	19.4	+ - 1.1
17	270	3.4	19.6	+ - 0.6; 2.9	14.6	+ - 0.7; 4.1	15.7	+ - 1.2
18	263	4.2	24.0	+ - 0.7; 3.6	18.8	+ - 0.8; 4.5	21.2	+ - 1.6
19	257	5.0	25.5	+ - 0.8; 3.8	20.2	+ - 0.8; 4.7	19.3	+ - 1.4
20	280	3.9	21.6	+ - 0.6; 3.2	16.5	+ - 0.7; 4.3	18.2	+ - 1.4
21	298	3.9	23.0	+ - 0.7; 3.5	17.9	+ - 0.7; 4.4	19.5	+ - 1.2
22	319	4.8	22.0	+ - 0.7; 3.3	16.9	+ - 0.7; 4.3	17.7	+ - 1.5
23	332	5.0	22.2	+ - 0.7; 3.3	17.0	+ - 0.7; 4.3	19.0	+ - 1.5
24	19	3.9	24.6	+ - 0.7; 3.7	19.4	+ - 0.8; 4.6	19.3	+ - 1.2
25	35	4.4	21.0	+ - 0.6; 3.1	15.9	+ - 0.7; 4.2	16.7	+ - 1.1
26	67	4.3	22.1	+ - 0.7; 3.3	17.0	+ - 0.7; 4.3	17.8	+ - 1.5
27	88	4.1	22.0	+ - 0.7; 3.3	16.9	+ - 0.7; 4.3	19.2	+ - 1.9
28	110	4.5	24.0	+ - 0.7; 3.6	18.8	+ - 0.8; 4.5	19.6	+ - 1.1
29	128	4.4	22.8	+ - 0.7; 3.4	17.6	+ - 0.7; 4.4	19.8	+ - 1.7
30	112	16.0	20.6	+ - 0.6; 3.1	15.5	+ - 0.7; 4.2	16.9	+ - 1.6
31	127	9.4	20.7	+ - 0.6; 3.1	15.6	+ - 0.7; 4.2	16.7	+ - 1.2
32	62	11.0	21.6	+ - 0.6; 3.2	16.5	+ - 0.7; 4.3	17.1	+ - 1.6
33	153	5.2	21.3	+ - 0.6; 3.2	16.3	+ - 0.7; 4.3	18.5	+ - 1.5
34	174	4.7	23.5	+ - 0.7; 3.5	18.3	+ - 0.8; 4.5	20.0	+ - 1.6
35	197	5.2	24.9	+ - 0.7; 3.7	19.7	+ - 0.8; 4.6	20.4	+ - 1.8
36	224	4.8	23.5	+ - 0.7; 3.5	18.4	+ - 0.8; 4.5	18.1	+ - 1.1
37	220	14.0	21.1	+ - 0.6; 3.2	16.0	+ - 0.7; 4.2	15.4	+ - 1.1
38	253	6.5	24.2	+ - 0.7; 3.6	19.0	+ - 0.8; 4.6	20.1	+ - 1.5
39	278	10.0	23.8	+ - 0.7; 3.6	18.6	+ - 0.8; 4.5	18.6	+ - 1.5
40	285	15.0	20.8	+ - 0.6; 3.1	15.8	+ - 0.7; 4.2	16.6	+ - 1.2
41	292	6.7	25.0	+ - 0.8; 3.8	19.8	+ - 0.8; 4.6	17.9	+ - 1.6
42	345	13.0	23.8	+ - 0.7; 3.6	18.6	+ - 0.8; 4.5	20.0	+ - 1.4
43	5	7.5	24.5	+ - 0.7; 3.7	19.3	+ - 0.8; 4.6	19.2	+ - 1.4
44	20	8.3	23.6	+ - 0.7; 3.5	18.5	+ - 0.8; 4.5	19.7	+ - 1.1
45	315	7.5	24.1	+ - 0.7; 3.6	19.0	+ - 0.8; 4.6	20.7	+ - 1.4
46	341	7.7	24.4	+ - 0.7; 3.7	19.2	+ - 0.8; 4.6	19.9	+ - 1.2
47	355	1.0	22.0	+ - 0.7; 3.3	16.9	+ - 0.7; 4.3	18.2	+ - 1.3

Transit. Dose = 4.4 +- 0.4; 3.1

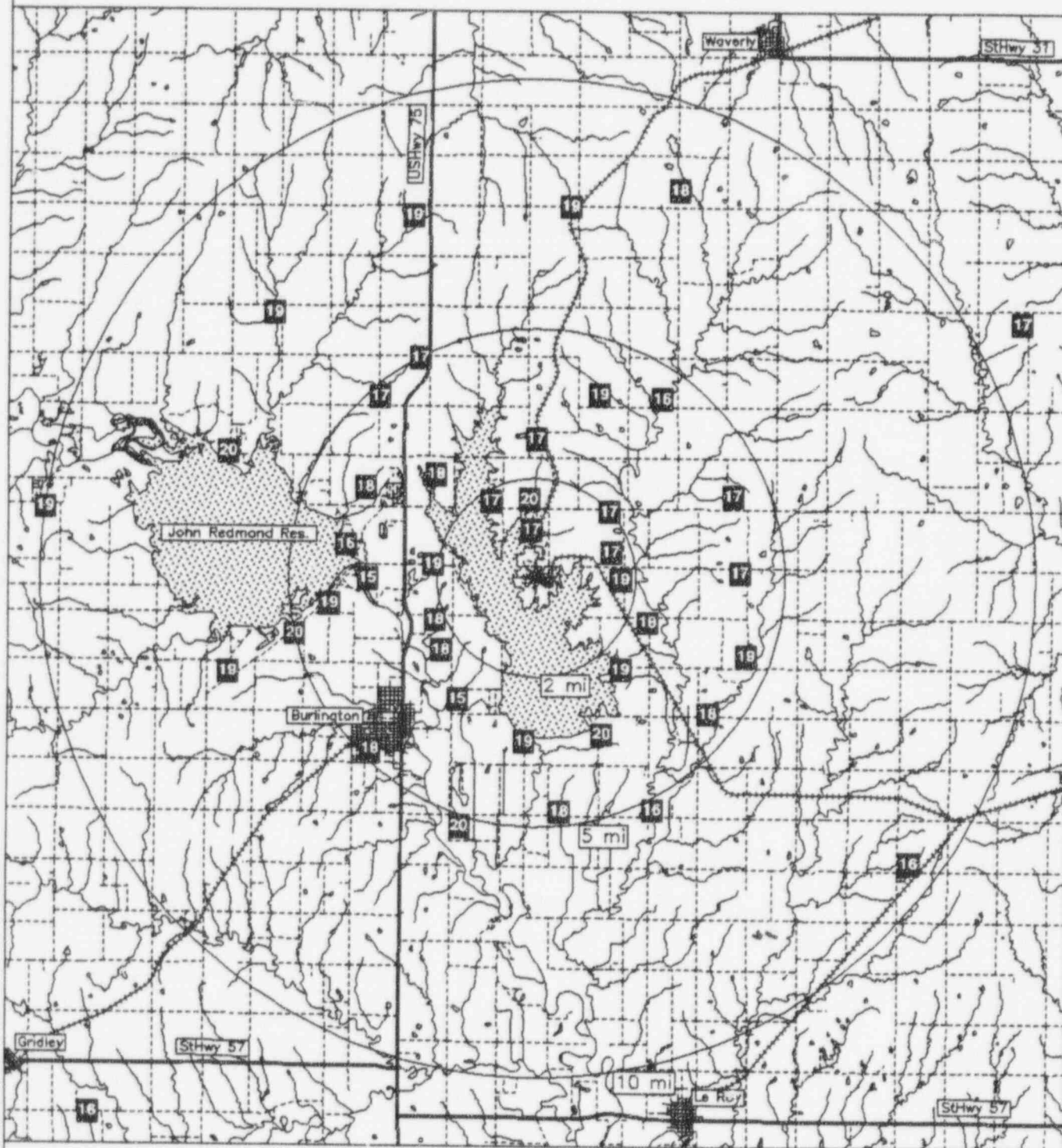
WOLF CREEK  
For the period 950611-951019

## TLD Direct Radiation Environmental Monitoring

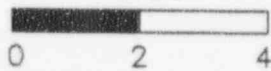
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	18.3 +- 1.5	4
11.26 - 33.75 NNE	19.2 +- 0.6	3
33.76 - 56.25 NE	16.5 +- 0.8	2
56.26 - 78.75 ENE	16.7 +- 0.3	3
78.76 - 101.25 E	17.8 +- 1.4	2
101.26 - 123.75 ESE	17.4 +- 1.7	3
123.76 - 146.25 SE	17.6 +- 1.9	3
146.26 - 168.75 SSE	18.0 +- 2.4	2
168.76 - 191.25 S	18.8 +- 0.8	2
191.26 - 213.75 SSW	17.3 +- 3.4	2
213.76 - 236.25 SW	17.6 +- 1.4	3
236.26 - 258.75 WSW	19.1 +- 1.2	3
258.76 - 281.25 W	17.5 +- 1.9	5
281.26 - 303.75 WNW	17.8 +- 2.0	3
303.76 - 326.25 NW	17.8 +- 1.1	3
326.26 - 348.75 NNW	18.1 +- 1.0	4

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	18.0 +- 1.4	7
2 - 5	17.8 +- 1.4	25
> 5	17.8 +- 1.6	15
Upwind Control	No Data +- No Data	0

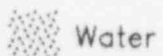
## NRC TLD DOSES FOR WOLF CREEK AREA



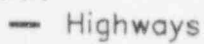
Miles



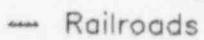
## Legend



Water



Highways



Railroads



Roads



Plant..site

## YANKEE ROWE

TLD Direct Radiation Environmental Monitoring

For the period 950615-951017 125 Days

Field Time: 91 Days

NRC Sta	Location		Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
	Azimuth/Dist (Deg)/(Mi)				
1	0	0.	22.4 +- 0.7; 3.4	19.4 +- 0.7; 4.4	18.3 +- 1.9
2	265	14.0	20.2 +- 0.6; 3.0	17.4 +- 0.7; 4.1	15.9 +- 1.6
3	137	12.0	21.1 +- 0.6; 3.2	18.2 +- 0.7; 4.2	16.0 +- 1.6
5	85	2.2	21.9 +- 0.7; 3.3	19.0 +- 0.7; 4.3	15.3 +- 1.8
6	118	2.6	20.4 +- 0.6; 3.1	17.5 +- 0.7; 4.1	15.3 +- 1.5
7	137	2.1	23.0 +- 0.7; 3.5	20.1 +- 0.7; 4.4	17.3 +- 1.8
8	153	1.7	19.9 +- 0.6; 3.0	17.0 +- 0.7; 4.1	15.9 +- 1.2
9	176	1.1	20.4 +- 0.6; 3.1	17.5 +- 0.7; 4.1	15.8 +- 1.4
10	203	0.5	22.9 +- 0.7; 3.4	20.0 +- 0.7; 4.4	16.7 +- 2.0
11	219	0.6	21.7 +- 0.7; 3.3	18.8 +- 0.7; 4.3	16.7 +- 1.4
12	239	1.1	21.3 +- 0.6; 3.2	18.4 +- 0.7; 4.2	19.1 +- 2.4
13	272	1.8	24.0 +- 0.7; 3.6	21.1 +- 0.8; 4.5	17.5 +- 2.1
14	292	1.3	24.3 +- 0.7; 3.6	21.3 +- 0.8; 4.6	17.9 +- 2.0
15	315	1.6	23.8 +- 0.7; 3.6	20.9 +- 0.8; 4.5	18.2 +- 2.0
16	348	1.4	23.5 +- 0.7; 3.5	20.6 +- 0.8; 4.5	17.8 +- 1.7
17	358	2.8	20.9 +- 0.6; 3.1	18.0 +- 0.7; 4.2	16.7 +- 1.9
18	21	2.8	18.1 +- 0.5; 2.7	15.2 +- 0.6; 3.9	15.2 +- 1.8
19	43	5.8	21.1 +- 0.6; 3.2	18.2 +- 0.7; 4.2	16.6 +- 1.3
20	75	6.0	23.3 +- 0.7; 3.5	20.3 +- 0.8; 4.5	17.7 +- 2.0
21	98	6.0	19.4 +- 0.6; 2.9	16.5 +- 0.7; 4.0	14.6 +- 1.4
22	104	5.2	18.0 +- 0.5; 2.7	15.1 +- 0.6; 3.9	13.5 +- 1.3
23	133	5.7	20.6 +- 0.6; 3.1	17.7 +- 0.7; 4.2	13.7 +- 1.6
24	157	7.5	19.3 +- 0.6; 2.9	16.4 +- 0.6; 4.0	14.2 +- 1.8
25	184	6.3	21.8 +- 0.7; 3.3	18.9 +- 0.7; 4.3	16.2 +- 1.8
27	225	5.9	22.5 +- 0.7; 3.4	19.6 +- 0.7; 4.4	17.0 +- 1.7
29	269	3.5	22.5 +- 0.7; 3.4	19.6 +- 0.7; 4.4	17.2 +- 2.0
32	342	3.3	22.0 +- 0.7; 3.3	19.1 +- 0.7; 4.3	16.9 +- 1.7
34	48	7.3	21.4 +- 0.6; 3.2	18.5 +- 0.7; 4.3	17.2 +- 1.7
35	39	2.3	17.5 +- 0.5; 2.6	14.7 +- 0.6; 3.8	14.0 +- 1.7
47	260	9.6	20.2 +- 0.6; 3.0	17.4 +- 0.7; 4.1	16.5 +- 1.4
48	261	9.0	23.6 +- 0.7; 3.5	20.6 +- 0.8; 4.5	18.5 +- 1.7

Transit Dose = 2.7 +- 0.3; 2.9

YANKEE ROWE

For the period 950615-951017

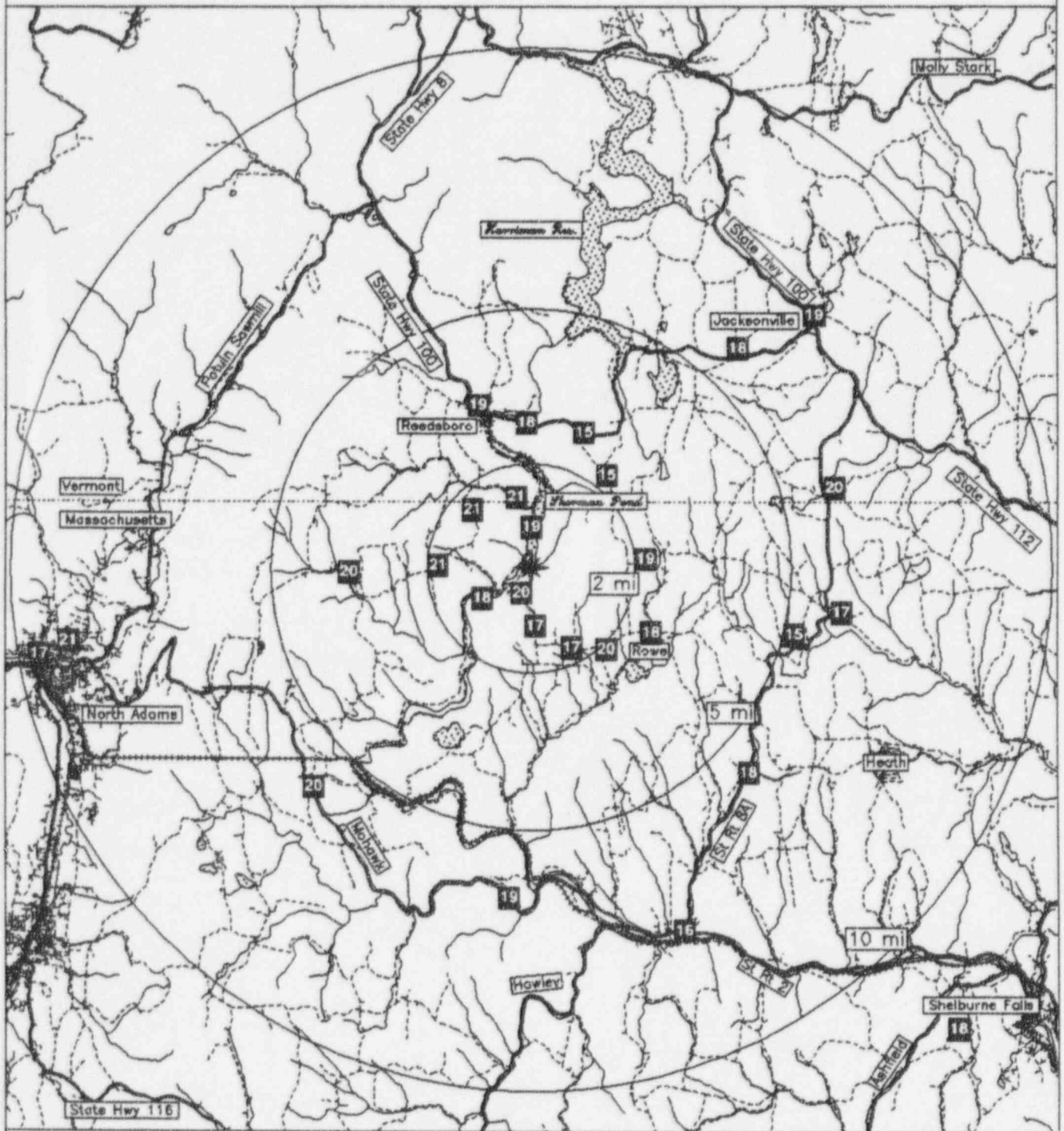
## TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	18.7 +- 1.0	2
11.26 - 33.75 NNE	15.2 +- 0.0	1
33.76 - 56.25 NE	17.1 +- 2.1	3
56.26 - 78.75 ENE	20.3 +- 0.0	1
78.76 - 101.25 E	17.8 +- 1.8	2
101.26 - 123.75 ESE	16.3 +- 1.7	2
123.76 - 146.25 SE	18.7 +- 1.3	3
146.26 - 168.75 SSE	16.7 +- 0.4	2
168.76 - 191.25 S	18.2 +- 1.0	2
191.26 - 213.75 SSW	20.0 +- 0.0	1
213.76 - 236.25 SW	19.2 +- 0.5	2
236.26 - 258.75 WSW	18.4 +- 0.0	1
258.76 - 281.25 W	19.3 +- 1.9	3
281.26 - 303.75 WNW	21.3 +- 0.0	1
303.76 - 326.25 NW	20.9 +- 0.0	1
326.26 - 348.75 NNW	19.8 +- 1.1	2

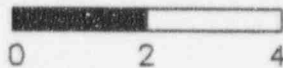
Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	19.5 +- 1.5	10
2 - 5	17.9 +- 2.0	8
> 5	17.9 +- 1.5	11
Upwind Control	19.0 +- 2.3	2



# NRC TLD DOSES FOR YANKEE ROWE AREA



Miles



### Legend



Water

--- Railroads



Plant site

— Highways

--- Roads

ZION

TLD Direct Radiation Environmental Monitoring

For the period 950612-951025 136 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	310 0.8	17.3 +- 0.5; 2.6	14.8 +- 0.6; 4.0	15.3 +- 1.8
2	192 1.0	16.8 +- 0.5; 2.5	14.4 +- 0.6; 4.0	13.1 +- 1.4
3	187 1.9	19.0 +- 0.6; 2.9	16.7 +- 0.7; 4.2	14.2 +- 1.6
4	219 2.4	21.7 +- 0.7; 3.3	19.7 +- 0.8; 4.5	17.2 +- 1.5
5	257 1.8	Missing Dosimeter	No Net Data	16.9 +- 2.0
6	250 1.2	Missing Dosimeter	No Net Data	16.1 +- 1.5
7	293 1.6	19.9 +- 0.6; 3.0	17.6 +- 0.7; 4.3	17.0 +- 1.4
8	310 1.8	Missing Dosimeter	No Net Data	14.9 +- 1.6
9	343 2.6	19.2 +- 0.6; 2.9	17.0 +- 0.7; 4.2	15.4 +- 1.6
10	356 4.5	Missing Dosimeter	No Net Data	14.6 +- 1.5
11	337 4.5	19.5 +- 0.6; 2.9	17.3 +- 0.7; 4.3	16.7 +- 2.0
12	310 4.0	21.1 +- 0.6; 3.2	19.0 +- 0.8; 4.5	18.7 +- 1.9
13	293 3.5	22.9 +- 0.7; 3.4	20.9 +- 0.8; 4.7	19.5 +- 1.7
14	280 4.5	22.3 +- 0.7; 3.3	20.2 +- 0.8; 4.6	18.7 +- 1.6
15	232 3.2	22.5 +- 0.7; 3.4	20.4 +- 0.8; 4.6	17.8 +- 1.8
16	220 3.5	21.6 +- 0.6; 3.2	19.5 +- 0.8; 4.5	18.1 +- 1.4
17	198 4.5	21.0 +- 0.6; 3.2	18.9 +- 0.8; 4.5	16.0 +- 1.6
18	206 2.8	19.9 +- 0.6; 3.0	17.7 +- 0.7; 4.3	15.4 +- 1.6
19	327 1.7	18.1 +- 0.5; 2.7	15.7 +- 0.7; 4.1	15.4 +- 1.7
20	197 15.0	20.9 +- 0.6; 3.1	18.7 +- 0.7; 4.4	18.9 +- 2.0
21	352 7.9	18.5 +- 0.6; 2.8	16.2 +- 0.7; 4.2	15.1 +- 1.5
22	348 9.3	Missing Dosimeter	No Net Data	15.1 +- 1.8
23	336 8.5	19.3 +- 0.6; 2.9	17.1 +- 0.7; 4.3	17.7 +- 2.1
24	314 5.8	21.5 +- 0.6; 3.2	19.4 +- 0.8; 4.5	17.2 +- 1.4
25	220 6.3	19.6 +- 0.6; 2.9	17.4 +- 0.7; 4.3	16.5 +- 1.4
26	195 8.0	19.2 +- 0.6; 2.9	16.9 +- 0.7; 4.2	15.5 +- 1.4
28	197 15.0	21.0 +- 0.6; 3.2	18.9 +- 0.8; 4.5	18.8 +- 1.5
30	320 9.8	23.6 +- 0.7; 3.5	21.6 +- 0.8; 4.8	18.1 +- 1.6
31	229 8.0	19.5 +- 0.6; 2.9	17.3 +- 0.7; 4.3	16.6 +- 1.4
32	193 15.0	19.9 +- 0.6; 3.0	17.7 +- 0.7; 4.3	19.0 +- 1.6

Transit Dose = 3.4 +- 0.3; 2.7

ZION

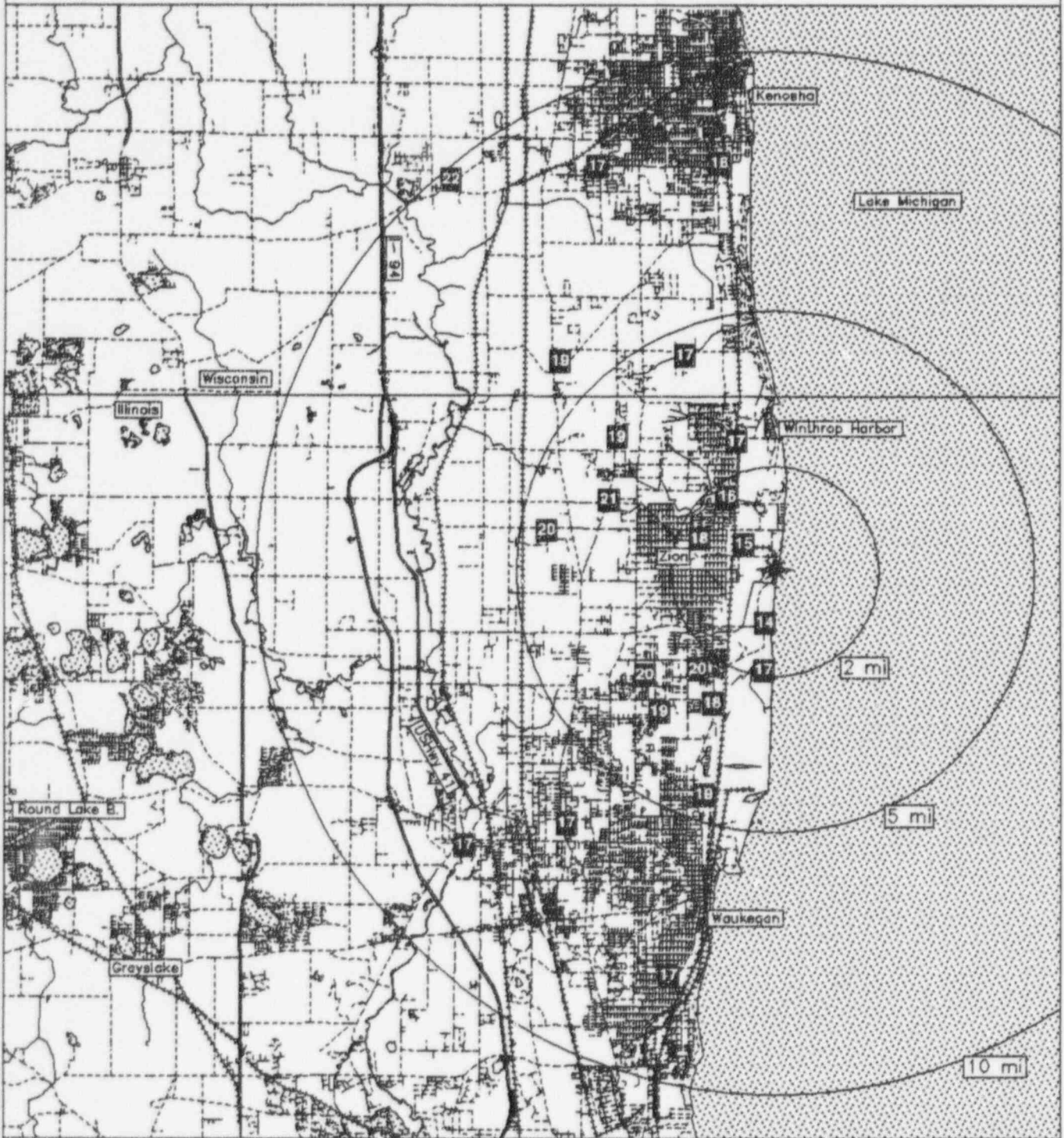
For the period 950612-951025

## TLD Direct Radiation Environmental Monitoring

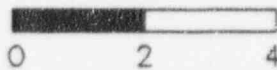
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	16.2 +- 0.0	1
11.26 - 33.75 NNE	No Data +- No Data	0
33.76 - 56.25 NE	No Data +- No Data	0
56.26 - 78.75 ENE	No Data +- No Data	0
78.76 - 101.25 E	No Data +- No Data	0
101.26 - 123.75 ESE	No Data +- No Data	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	16.7 +- 0.0	1
191.26 - 213.75 SSW	17.0 +- 1.9	4
213.76 - 236.25 SW	18.8 +- 1.4	5
236.26 - 258.75 WSW	No Data +- No Data	0
258.76 - 281.25 W	20.2 +- 0.0	1
281.26 - 303.75 WNW	19.3 +- 2.3	2
303.76 - 326.25 NW	18.7 +- 2.8	4
326.26 - 348.75 NNW	16.8 +- 0.7	4

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	15.9 +- 1.3	5
2 - 5	19.0 +- 1.3	10
> 5	18.0 +- 1.9	7
Upwind Control	18.4 +- 0.6	3

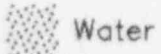
# NRC TLD DOSES FOR ZION AREA



Miles



## Legend



Water

--- Railroads



Plant site

— Highways

--- Roads

NRC FORM 335 (2-89) NRCM 1102, 3201, 3202	U.S. NUCLEAR REGULATORY COMMISSION	1. REPORT NUMBER <small>(Assigned by NRC, Aird Vol., Supp., Rev., and Addendum Numbers, if any.)</small> <b>NUREG-0837</b> <b>Vol. 15, No. 3</b>				
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December	1995					
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11. ABSTRACT <small>(200 words or less)</small>  <p>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 third quarter of 1995.</p>						
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