

NUREG-0837  
Vol. 15, No. 2

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# NRC TLD Direct Radiation Monitoring Network

Progress Report  
April-June 1995

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U.S. Nuclear Regulatory Commission

NRC Region I

R. Struckmeyer



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Manuscript Completed: August 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 second 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 Second 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. | Carter 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 950312-950727 138 Days  
 Field Time: 100 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	4	0.4	23.6	+- 0.7; 3.5	16.1	+- 0.7; 4.4	17.3	+- 1.1
2	353	4.1	23.5	+- 0.7; 3.5	16.0	+- 0.7; 4.4	17.2	+- 1.4
3	32	1.3	25.3	+- 0.8; 3.8	17.7	+- 0.8; 4.6	17.9	+- 1.2
4	13	3.3	23.8	+- 0.7; 3.6	16.3	+- 0.7; 4.4	16.6	+- 1.4
5	53	1.5	23.7	+- 0.7; 3.6	16.2	+- 0.7; 4.4	17.3	+- 1.5
6	37	3.6	21.9	+- 0.7; 3.3	14.6	+- 0.7; 4.2	16.5	+- 1.2
7	78	2.5	25.2	+- 0.8; 3.8	17.5	+- 0.8; 4.6	18.7	+- 1.5
8	60	3.2	26.1	+- 0.8; 3.9	18.4	+- 0.8; 4.7	19.9	+- 2.5
9	92	0.5	26.4	+- 0.8; 4.0	18.6	+- 0.8; 4.7	18.9	+- 1.7
10	83	5.5	24.5	+- 0.7; 3.7	16.9	+- 0.8; 4.5	17.4	+- 1.4
11	122	2.1	22.9	+- 0.7; 3.4	15.4	+- 0.7; 4.3	16.2	+- 1.4
12	109	6.8	24.6	+- 0.7; 3.7	17.0	+- 0.8; 4.5	17.9	+- 1.3
13	138	2.6	21.0	+- 0.6; 3.1	13.8	+- 0.7; 4.2	14.9	+- 1.4
14	130	4.9	23.1	+- 0.7; 3.5	15.7	+- 0.7; 4.4	15.9	+- 1.4
16	167	4.4	22.9	+- 0.7; 3.4	15.5	+- 0.7; 4.3	17.4	+- 1.1
17	171	0.4	22.9	+- 0.7; 3.4	15.5	+- 0.7; 4.3	16.9	+- 1.5
18	189	3.2	23.2	+- 0.7; 3.5	15.7	+- 0.7; 4.4	17.2	+- 1.4
19	205	2.9	23.3	+- 0.7; 3.5	15.8	+- 0.7; 4.4	16.6	+- 1.6
20	195	5.8	21.0	+- 0.6; 3.2	13.8	+- 0.7; 4.2	15.8	+- 1.8
21	235	0.5	25.9	+- 0.8; 3.9	18.2	+- 0.8; 4.6	19.2	+- 1.6
22	230	3.6	20.7	+- 0.6; 3.1	13.5	+- 0.7; 4.1	14.3	+- 1.5
23	257	2.8	21.6	+- 0.6; 3.2	14.3	+- 0.7; 4.2	15.8	+- 1.7
24	243	4.5	21.8	+- 0.7; 3.3	14.5	+- 0.7; 4.2	16.6	+- 1.3
25	279	1.2	26.1	+- 0.8; 3.9	18.4	+- 0.8; 4.7	19.9	+- 1.4
26	263	4.3	21.7	+- 0.6; 3.2	14.4	+- 0.7; 4.2	17.2	+- 1.4
27	298	0.4	24.1	+- 0.7; 3.6	16.6	+- 0.8; 4.5	18.6	+- 1.6
28	293	5.8	22.6	+- 0.7; 3.4	15.3	+- 0.7; 4.3	16.8	+- 1.5
29	326	1.9	24.0	+- 0.7; 3.6	16.5	+- 0.7; 4.4	17.8	+- 1.4
30	308	4.8	24.4	+- 0.7; 3.7	16.8	+- 0.8; 4.5	17.6	+- 1.6
31	345	1.3	24.1	+- 0.7; 3.6	16.6	+- 0.8; 4.5	18.4	+- 1.6
32	335	4.2	21.4	+- 0.6; 3.2	14.1	+- 0.7; 4.2	15.7	+- 1.5
33	110	0.8	24.6	+- 0.7; 3.7	17.0	+- 0.8; 4.5	18.4	+- 1.7
39	112	6.0	25.0	+- 0.7; 3.7	17.3	+- 0.8; 4.5	18.2	+- 1.7
40	147	8.0	24.4	+- 0.7; 3.7	16.9	+- 0.8; 4.5	18.2	+- 1.3
41	106	17.0	24.5	+- 0.7; 3.7	16.9	+- 0.8; 4.5	17.8	+- 1.2
42	310	17.0	21.9	+- 0.7; 3.3	14.6	+- 0.7; 4.2	15.8	+- 1.6
43	105	5.2	24.4	+- 0.7; 3.7	16.8	+- 0.8; 4.5	18.1	+- 1.6
44	315	13.0	23.4	+- 0.7; 3.5	15.9	+- 0.7; 4.4	17.4	+- 1.4
45	47	8.9	21.5	+- 0.6; 3.2	14.3	+- 0.7; 4.2	15.4	+- 1.8
46	115	8.3	25.1	+- 0.8; 3.8	17.5	+- 0.8; 4.6	18.2	+- 1.8
47	208	20.0	23.5	+- 0.7; 3.5	16.0	+- 0.7; 4.4	17.2	+- 2.2
48	179	19.0	Missing Dosimeter		No Net Data		17.1	+- 1.3
49	150	22.0	23.5	+- 0.7; 3.5	16.0	+- 0.7; 4.4	18.4	+- 1.7

Transit Dose = 5.7 +- 0.4; 3.4



## ARKANSAS

For the period 950312-950727

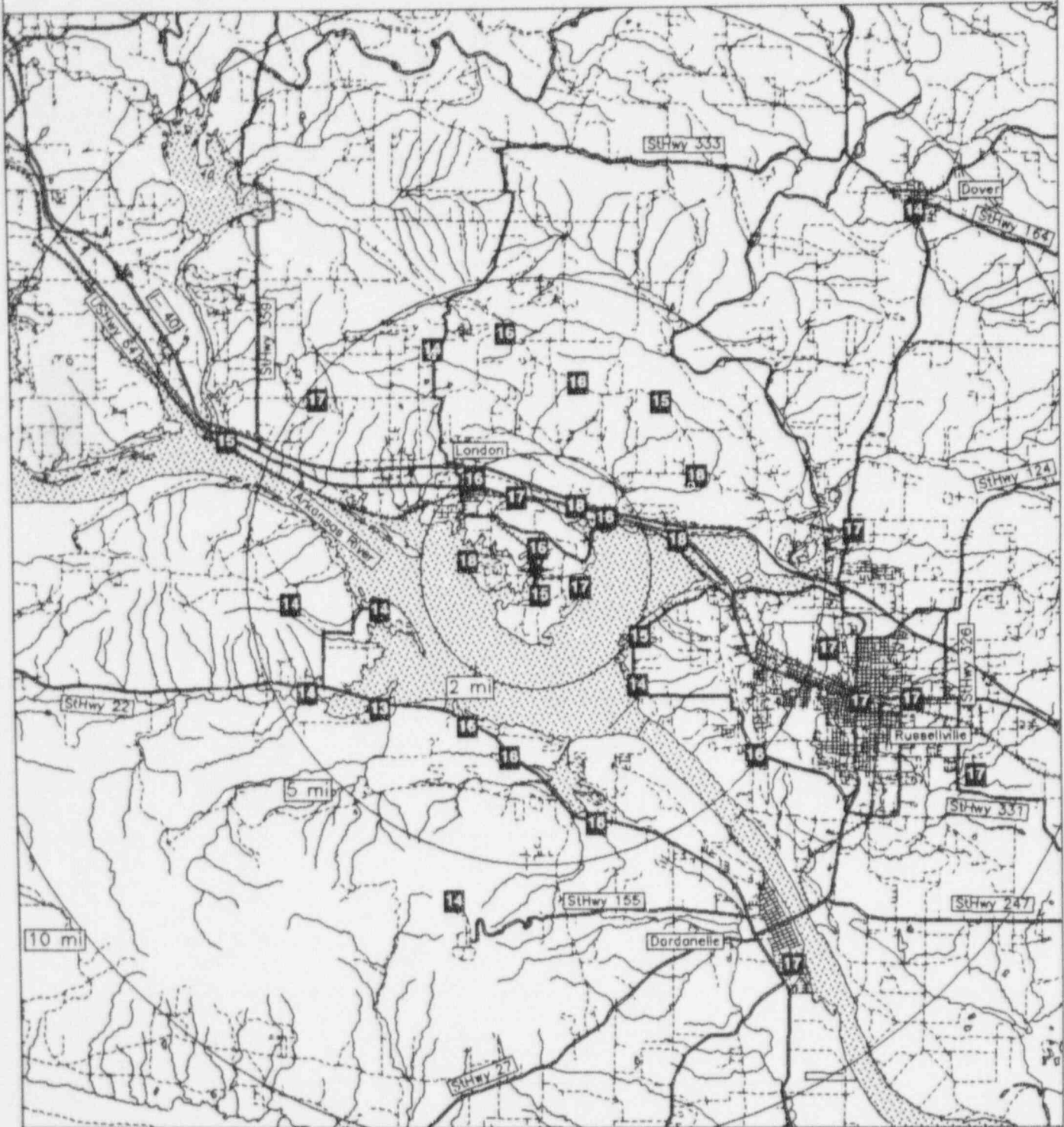
## TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	16.0 +- 0.1	2
11.26 - 33.75 NNE	17.0 +- 0.9	2
33.76 - 56.25 NE	15.0 +- 1.1	3
56.26 - 78.75 ENE	17.9 +- 0.6	2
78.76 - 101.25 E	17.8 +- 1.2	2
101.26 - 123.75 ESE	16.9 +- 0.7	7
123.76 - 146.25 SE	14.7 +- 1.4	2
146.26 - 168.75 SSE	16.2 +- 1.0	2
168.76 - 191.25 S	15.6 +- 0.2	2
191.26 - 213.75 SSW	14.8 +- 1.4	2
213.76 - 236.25 SW	15.9 +- 3.3	2
236.26 - 258.75 WSW	14.4 +- 0.1	2
258.76 - 281.25 W	16.4 +- 2.8	2
281.26 - 303.75 WNW	15.9 +- 1.0	2
303.76 - 326.25 NW	16.0 +- 1.0	4
326.26 - 348.75 NNW	15.3 +- 1.8	2

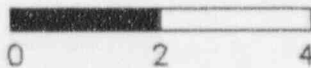
Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	17.0 +- 1.0	11
2 - 5	15.4 +- 1.3	17
> 5	16.1 +- 1.3	12
Upwind Control	16.0 +- 0.0	2



# NRC TLD DOSES FOR ARKANSAS AREA



Miles



### Legend



Water

Highways

Railroads

Roads



Plant..site

## BEAVER VALLEY

TLD Direct Radiation Environmental Monitoring

For the period 950312-950801 143 Days

Field Time: 95 Days

NRC Sta	Location		Gross		Net Exposure Rate		Hist. Range	
	Azimuth/ (Deg)	Dist/ (Mi)	Exposure (mR) +-Rdm; Tot.		(mR/Std. Qtr.) +-Rdm; Tot.		Net Exp Rate +-1 Std Dev	
1	340	15.8	25.3	+- 0.8; 3.8	19.5	+- 0.9; 4.9	16.8	+- 1.2
2	3	13.1	25.3	+- 0.8; 3.8	19.5	+- 0.9; 4.9	17.1	+- 1.4
4	29	11.9	24.7	+- 0.7; 3.7	18.8	+- 0.8; 4.8	19.3	+- 2.3
5	53	8.2	26.2	+- 0.8; 3.9	20.4	+- 0.9; 5.0	18.3	+- 1.3
6	58	9.1	26.4	+- 0.8; 4.0	20.5	+- 0.9; 5.0	19.1	+- 1.4
7	97	8.0	28.6	+- 0.9; 4.3	22.6	+- 0.9; 5.2	19.4	+- 1.4
8	110	4.2	26.1	+- 0.8; 3.9	20.2	+- 0.9; 5.0	18.7	+- 1.3
9	111	1.9	28.0	+- 0.8; 4.2	22.7	+- 0.9; 5.2	19.6	+- 1.6
10	92	2.2	27.2	+- 0.8; 4.1	21.3	+- 0.9; 5.1	19.2	+- 1.3
11	64	3.6	26.7	+- 0.8; 4.0	20.8	+- 0.9; 5.0	19.3	+- 1.6
12	148	4.0	29.0	+- 0.9; 4.3	23.0	+- 0.9; 5.3	20.7	+- 1.3
13	171	4.4	26.0	+- 0.8; 3.9	20.1	+- 0.9; 4.9	18.4	+- 1.3
14	183	4.4	26.1	+- 0.8; 3.9	20.2	+- 0.9; 5.0	18.3	+- 1.4
15	198	3.6	25.1	+- 0.8; 3.8	19.3	+- 0.8; 4.9	18.5	+- 1.4
16	254	5.7	25.9	+- 0.8; 3.9	20.0	+- 0.9; 4.9	18.1	+- 1.1
17	267	6.5	24.6	+- 0.7; 3.7	18.8	+- 0.8; 4.8	17.4	+- 1.4
18	231	2.5	25.9	+- 0.8; 3.9	20.0	+- 0.9; 4.9	18.4	+- 1.4
19	266	2.5	26.5	+- 0.8; 4.0	20.6	+- 0.9; 5.0	19.9	+- 1.3
20	291	3.8	23.9	+- 0.7; 3.6	18.1	+- 0.8; 4.7	16.8	+- 1.8
21	287	1.8	28.5	+- 0.9; 4.3	22.5	+- 0.9; 5.2	20.6	+- 1.5
22	219	1.5	24.4	+- 0.7; 3.7	18.6	+- 0.8; 4.8	17.6	+- 1.3
23	252	2.4	27.1	+- 0.8; 4.1	21.1	+- 0.9; 5.1	20.9	+- 2.1
24	207	2.2	26.5	+- 0.8; 4.0	20.6	+- 0.9; 5.0	19.3	+- 1.4
25	187	2.2	Missing Dosimeter		No Net Data		19.8	+- 1.3
26	158	2.2	26.3	+- 0.8; 4.0	20.5	+- 0.9; 5.0	18.7	+- 1.5
27	135	1.9	26.4	+- 0.8; 4.0	20.5	+- 0.9; 5.0	19.5	+- 1.5
28	99	1.4	28.4	+- 0.9; 4.3	22.4	+- 0.9; 5.2	20.0	+- 1.5
29	64	1.4	26.0	+- 0.8; 3.9	20.2	+- 0.9; 5.0	18.2	+- 1.4
30	53	1.0	27.2	+- 0.8; 4.1	21.2	+- 0.9; 5.1	18.8	+- 1.4
31	320	1.4	28.1	+- 0.8; 4.2	22.1	+- 0.9; 5.2	21.2	+- 1.3
32	320	3.5	24.7	+- 0.7; 3.7	18.8	+- 0.8; 4.8	18.5	+- 1.6
33	335	2.5	25.8	+- 0.8; 3.9	19.9	+- 0.9; 4.9	18.8	+- 1.5
34	340	5.2	21.5	+- 0.6; 3.2	15.9	+- 0.8; 4.5	16.5	+- 2.0
35	4	3.5	27.2	+- 0.8; 4.1	21.3	+- 0.9; 5.1	19.4	+- 1.4
36	23	3.2	28.2	+- 0.8; 4.2	22.2	+- 0.9; 5.2	21.5	+- 1.6
37	42	2.8	23.8	+- 0.7; 3.6	18.0	+- 0.8; 4.7	16.4	+- 1.2
38	27	1.6	24.0	+- 0.7; 3.6	18.3	+- 0.8; 4.7	17.2	+- 1.4
39	348	1.6	25.9	+- 0.8; 3.9	20.0	+- 0.9; 4.9	18.7	+- 1.6
40	340	15.8	22.8	+- 0.7; 3.4	17.1	+- 0.8; 4.6	16.1	+- 1.4
41	340	15.8	23.9	+- 0.7; 3.6	18.1	+- 0.8; 4.7	16.6	+- 1.1

Transit Dose = 4.8 +- 0.5; 3.5

BEAVER VALLEY  
For the period 950312-950801

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	20.4 +- 1.3	2
11.26 - 33.75 NNE	19.8 +- 2.1	3
33.76 - 56.25 NE	19.9 +- 1.7	3
56.26 - 78.75 ENE	20.5 +- 0.3	3
78.76 - 101.25 E	22.1 +- 0.7	3
101.26 - 123.75 ESE	21.1 +- 1.3	2
123.76 - 146.25 SE	20.5 +- 0.0	1
146.26 - 168.75 SSE	21.7 +- 1.8	2
168.76 - 191.25 S	20.2 +- 0.1	2
191.26 - 213.75 SSW	19.9 +- 0.9	2
213.76 - 236.25 SW	19.3 +- 1.0	2
236.26 - 258.75 WSW	20.6 +- 0.8	2
258.76 - 281.25 W	19.7 +- 1.3	2
281.26 - 303.75 WNW	20.3 +- 3.0	2
303.76 - 326.25 NW	20.5 +- 2.3	2
326.26 - 348.75 NNW	18.6 +- 2.4	3

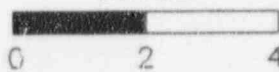
Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	20.8 +- 1.5	10
2 - 5	20.3 +- 1.3	18
> 5	19.6 +- 1.9	8
Upwind Control	18.2 +- 1.2	3



# NRC TLD DOSES FOR BEAVER VALLEY AREA



Miles



## Legend

- Water
- Highways

- Roads
- Plant..site

## BIG ROCK

TLD Direct Radiation Environmental Monitoring

For the period 950313-950726 136 Days

Field Time: 92 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)		Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	208	4.9	19.3 +- 0.6; 2.9	12.8 +- 0.7; 4.2	13.6 +- 1.4
2	220	3.6	18.4 +- 0.6; 2.8	11.9 +- 0.7; 4.1	12.5 +- 1.7
3	204	2.4	18.3 +- 0.5; 2.7	11.8 +- 0.7; 4.1	12.9 +- 1.9
4	176	3.3	18.9 +- 0.6; 2.8	12.3 +- 0.7; 4.2	12.6 +- 1.6
5	161	4.6	18.5 +- 0.6; 2.8	12.0 +- 0.7; 4.1	13.1 +- 1.7
6	133	4.7	21.2 +- 0.6; 3.2	14.7 +- 0.7; 4.4	14.3 +- 1.8
7	116	3.7	21.6 +- 0.6; 3.2	15.0 +- 0.8; 4.5	14.9 +- 1.9
8	111	4.7	21.6 +- 0.6; 3.2	15.1 +- 0.8; 4.5	14.6 +- 2.2
9	98	4.5	19.1 +- 0.6; 2.9	12.5 +- 0.7; 4.2	13.2 +- 1.6
10	88	12.0	18.6 +- 0.6; 2.8	12.1 +- 0.7; 4.2	12.6 +- 1.6
11	83	16.0	17.2 +- 0.5; 2.6	10.7 +- 0.6; 4.0	12.9 +- 2.1
12	83	16.0	16.9 +- 0.5; 2.5	10.4 +- 0.6; 4.0	12.6 +- 1.8
13	83	16.0	18.3 +- 0.5; 2.7	11.8 +- 0.7; 4.1	12.7 +- 1.6
14	77	3.4	17.9 +- 0.5; 2.7	11.4 +- 0.7; 4.1	12.0 +- 1.5
15	96	1.8	20.0 +- 0.6; 3.0	13.4 +- 0.7; 4.3	13.9 +- 1.8
16	118	2.0	21.1 +- 0.6; 3.2	14.5 +- 0.7; 4.4	13.8 +- 2.0
17	134	2.0	20.4 +- 0.6; 3.1	13.8 +- 0.7; 4.3	13.5 +- 1.5
18	222	1.9	16.5 +- 0.5; 2.5	10.1 +- 0.6; 4.0	12.3 +- 2.0
19	194	1.4	20.6 +- 0.6; 3.1	14.1 +- 0.7; 4.4	15.0 +- 1.8
20	179	1.5	18.8 +- 0.6; 2.8	12.3 +- 0.7; 4.2	13.3 +- 1.6
21	153	1.1	17.8 +- 0.5; 2.7	11.3 +- 0.7; 4.1	13.0 +- 1.5

Transit Dose = 6.2 +- 0.4; 3.2

BIG ROCK  
For the period 950313-950726

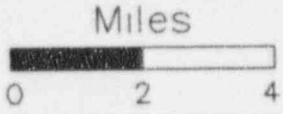
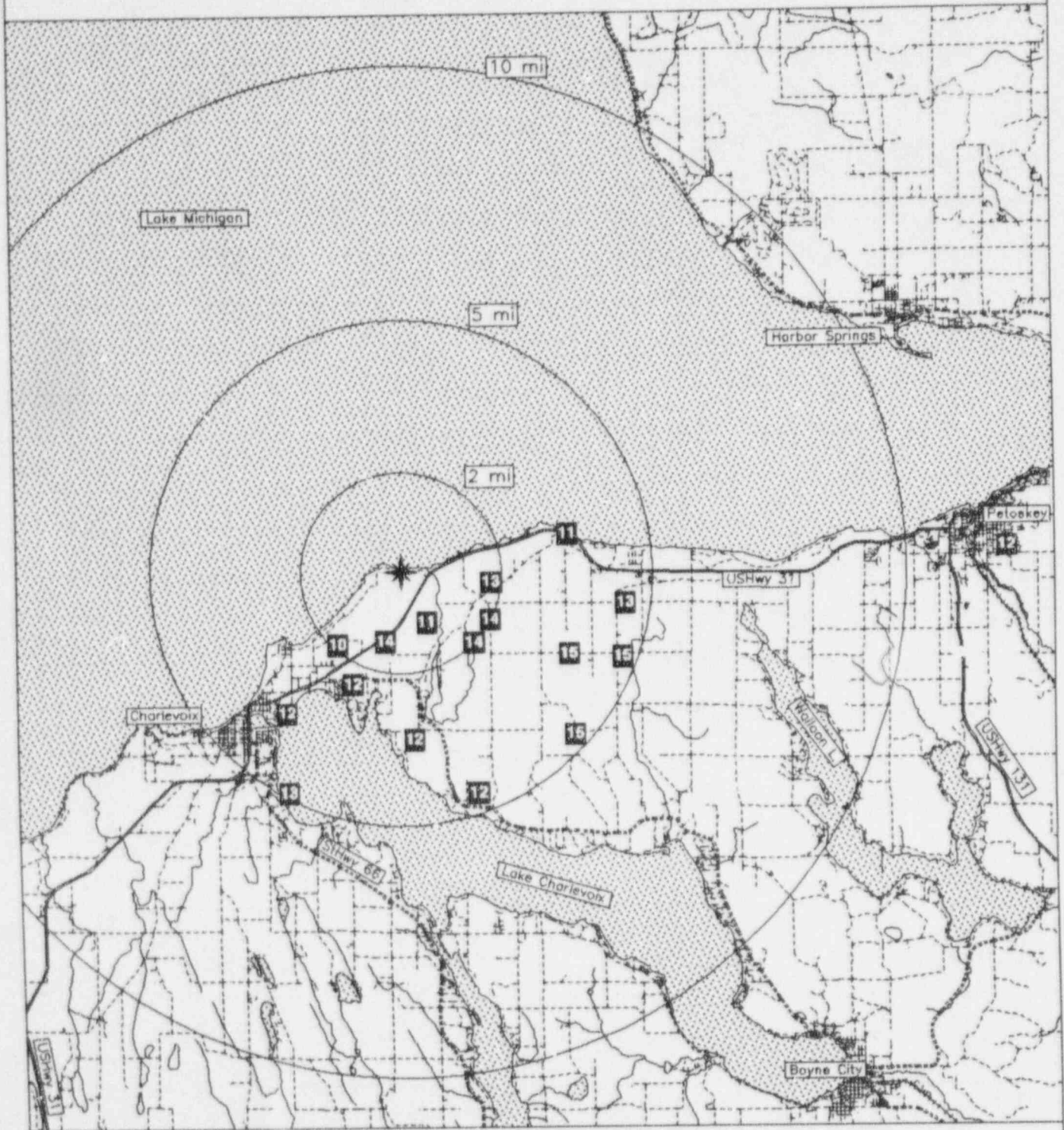
## TLD Direct Radiation Environmental Monitoring

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	11.4 +- 0.0	1
78.76 - 101.25 E	12.7 +- 0.7	3
101.26 - 123.75 ESE	14.9 +- 0.3	3
123.76 - 146.25 SE	14.3 +- 0.6	2
146.26 - 168.75 SSE	11.7 +- 0.5	2
168.76 - 191.25 S	12.3 +- 0.0	2
191.26 - 213.75 SSW	12.9 +- 1.1	3
213.76 - 236.25 SW	11.0 +- 1.3	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	12.8 +- 1.6	7
2 - 5	13.0 +- 1.4	10
> 5	12.1 +- 0.0	1
Upwind Control	11.0 +- 0.7	3



# NRC TLD DOSES FOR BIG ROCK POINT AREA



### Legend

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

## BRAIDWOOD

TLD Direct Radiation Environmental Monitoring

For the period 950313-950726 136 Days

Field Time: 103 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)	Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	28 0.8	19.2 +- 0.6; 2.9	11.3 +- 0.6; 4.0	13.8 +- 3.2
2	29 1.3	23.0 +- 0.7; 3.5	14.6 +- 0.7; 4.3	14.7 +- 2.0
3	53 2.0	18.0 +- 0.5; 2.7	10.3 +- 0.6; 3.9	12.3 +- 3.1
4	72 2.1	23.0 +- 0.7; 3.4	14.6 +- 0.7; 4.3	14.9 +- 1.9
5	87 2.0	23.5 +- 0.7; 3.5	15.1 +- 0.7; 4.4	14.4 +- 2.3
6	119 2.5	18.0 +- 0.5; 2.7	10.3 +- 0.6; 3.9	13.8 +- 3.1
7	133 3.3	22.2 +- 0.7; 3.3	13.9 +- 0.7; 4.2	14.9 +- 1.9
8	151 3.3	21.3 +- 0.6; 3.2	13.1 +- 0.7; 4.1	14.0 +- 1.9
9	172 3.9	23.8 +- 0.7; 3.6	15.3 +- 0.7; 4.4	18.3 +- 3.9
10	197 2.8	22.8 +- 0.7; 3.4	14.4 +- 0.7; 4.3	14.9 +- 2.3
11	212 1.4	18.6 +- 0.6; 2.8	10.8 +- 0.6; 3.9	14.0 +- 2.2
12	232 1.0	20.6 +- 0.6; 3.1	12.5 +- 0.7; 4.1	13.7 +- 2.5
13	255 1.0	22.4 +- 0.7; 3.4	14.1 +- 0.7; 4.3	13.8 +- 1.7
14	278 1.2	17.2 +- 0.5; 2.6	9.6 +- 0.6; 3.8	14.6 +- 2.2
15	310 1.3	17.9 +- 0.5; 2.7	10.1 +- 0.6; 3.9	14.4 +- 2.1
16	342 1.3	19.3 +- 0.6; 2.9	11.4 +- 0.6; 4.0	12.2 +- 2.9
17	8 1.5	21.7 +- 0.7; 3.3	13.5 +- 0.7; 4.2	14.4 +- 2.2
18	18 3.5	23.4 +- 0.7; 3.5	15.0 +- 0.7; 4.3	18.0 +- 3.5
19	42 6.3	19.8 +- 0.6; 3.0	11.9 +- 0.6; 4.0	13.6 +- 2.7
20	69 5.7	Missing Dosimeter	No Net Data	15.7 +- 2.5
21	86 7.0	20.0 +- 0.6; 3.0	12.0 +- 0.7; 4.0	16.7 +- 2.2
22	103 11.4	23.0 +- 0.7; 3.4	14.6 +- 0.7; 4.3	15.8 +- 3.5
23	45 4.9	18.3 +- 0.5; 2.7	10.5 +- 0.6; 3.9	15.3 +- 2.1
24	70 4.2	21.9 +- 0.7; 3.3	13.6 +- 0.7; 4.2	14.4 +- 2.2
25	86 4.1	18.3 +- 0.5; 2.7	10.5 +- 0.6; 3.9	12.5 +- 3.0
26	125 5.0	Missing Dosimeter	No Net Data	13.3 +- 3.4
27	142 7.2	19.1 +- 0.6; 2.9	11.3 +- 0.6; 4.0	16.7 +- 2.9
28	161 6.1	21.7 +- 0.7; 3.3	13.5 +- 0.7; 4.2	14.6 +- 2.2
29	180 5.9	25.6 +- 0.8; 3.8	16.9 +- 0.8; 4.6	19.1 +- 3.4
30	187 5.8	27.1 +- 0.8; 4.1	18.2 +- 0.8; 4.7	19.9 +- 2.6
31	225 5.4	25.7 +- 0.8; 3.9	17.0 +- 0.8; 4.6	17.3 +- 2.2
32	253 4.0	23.7 +- 0.7; 3.5	15.2 +- 0.7; 4.4	15.0 +- 2.1
33	289 4.1	Missing Dosimeter	No Net Data	16.4 +- 2.4
34	315 4.0	24.6 +- 0.7; 3.7	16.1 +- 0.8; 4.5	15.9 +- 2.2
35	333 4.0	23.5 +- 0.7; 3.5	15.0 +- 0.7; 4.3	15.0 +- 2.7
36	0 5.5	22.0 +- 0.7; 3.3	13.8 +- 0.7; 4.2	14.7 +- 2.4
37	21 5.0	17.7 +- 0.5; 2.6	9.9 +- 0.6; 3.8	12.4 +- 3.3
38	224 14.7	Missing Dosimeter	No Net Data	14.1 +- 2.6
39	224 14.7	Missing Dosimeter	No Net Data	13.8 +- 2.2
40	187 10.3	28.2 +- 0.8; 4.2	19.2 +- 0.8; 4.8	17.8 +- 3.0

Transit Dose = 6.3 +- 0.4; 3.5

## BRAIDWOOD

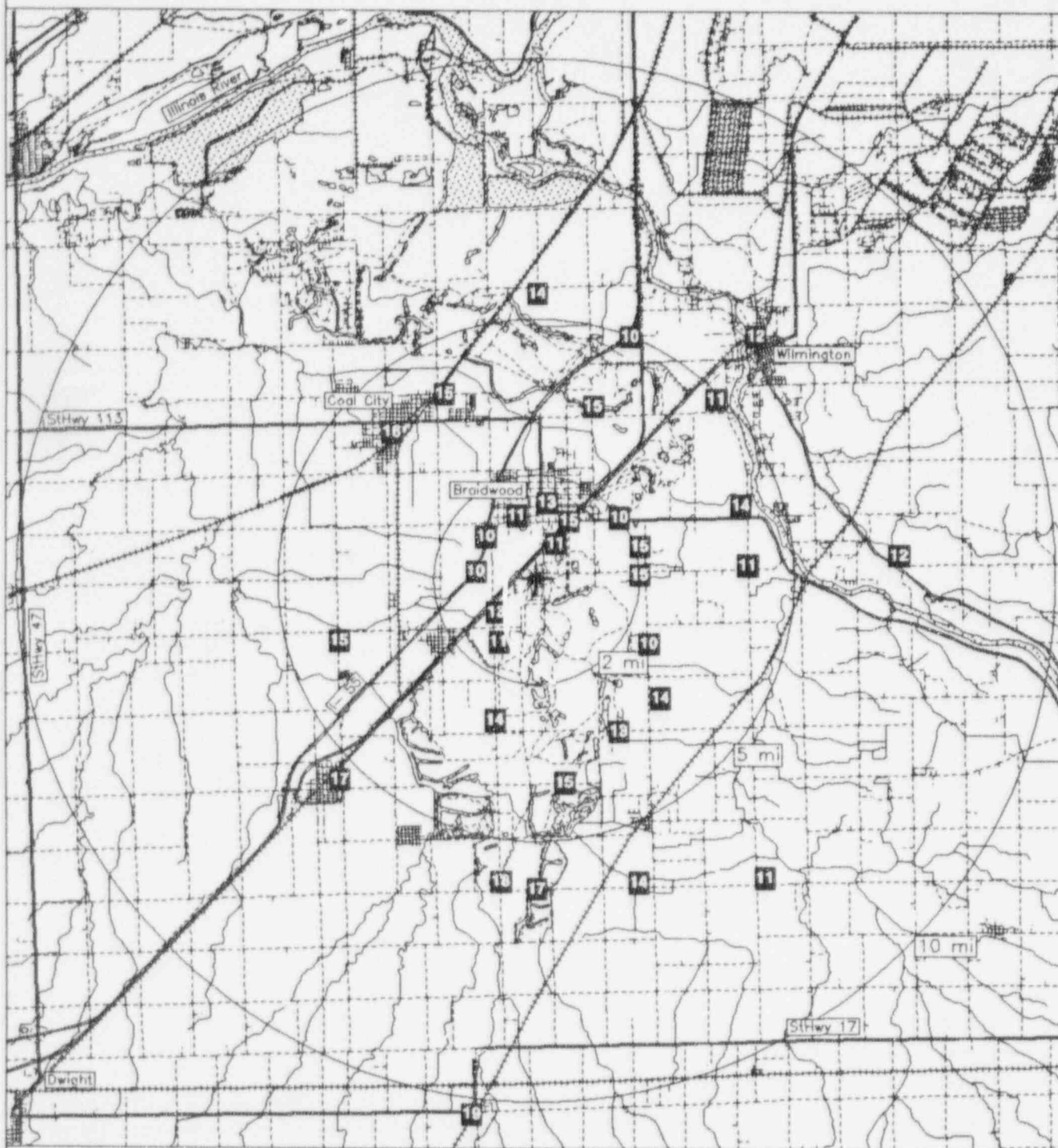
For the period 950313-950726

## TLD Direct Radiation Environmental Monitoring

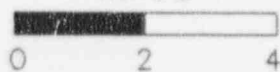
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	13.6 +- 0.2	2
11.26 - 33.75 NNE	12.7 +- 2.5	4
33.76 - 56.25 NE	10.9 +- 0.8	3
56.26 - 78.75 ENE	14.1 +- 0.7	2
78.76 - 101.25 E	12.6 +- 2.3	3
101.26 - 123.75 ESE	12.4 +- 3.1	2
123.76 - 146.25 SE	12.6 +- 1.9	2
146.26 - 168.75 SSE	13.3 +- 0.3	2
168.76 - 191.25 S	16.8 +- 1.4	3
191.26 - 213.75 SSW	12.6 +- 2.6	2
213.76 - 236.25 SW	14.8 +- 3.2	2
236.26 - 258.75 WSW	14.7 +- 0.7	2
258.76 - 281.25 W	9.6 +- 0.0	1
281.26 - 303.75 WNW	No Data +- No Data	0
303.76 - 326.25 NW	13.1 +- 4.2	2
326.26 - 348.75 NNW	13.2 +- 2.6	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	12.1 +- 2.0	11
2 - 5	13.4 +- 2.2	14
> 5	14.4 +- 2.5	9
Upwind Control	19.2 +- 0.0	1

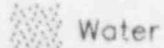
# NRC TLD DOSES FOR BRAIDWOOD AREA



Miles



Legend



Water

Highways

Railroads

Roads



Plant..site



## BROWNS FERRY

TLD Direct Radiation Environmental Monitoring

For the period 950314-950725 134 Days

Field Time: 84 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	130	9.0	18.0 +- 0.5; 2.7	16.7 +- 0.7; 4.0	14.1 +- 1.9		
2	133	5.5	21.3 +- 0.6; 3.2	20.3 +- 0.7; 4.4	15.2 +- 2.2		
3	153	4.3	19.6 +- 0.6; 2.9	18.4 +- 0.7; 4.2	14.6 +- 2.1		
4	210	5.8	22.7 +- 0.7; 3.4	21.8 +- 0.8; 4.6	17.6 +- 2.3		
5	220	6.0	19.0 +- 0.6; 2.8	17.8 +- 0.7; 4.2	14.9 +- 2.1		
6	245	4.5	22.3 +- 0.7; 3.3	21.3 +- 0.8; 4.6	18.3 +- 2.3		
7	269	1.9	20.1 +- 0.6; 3.0	19.0 +- 0.7; 4.3	16.3 +- 2.1		
8	257	11.0	19.3 +- 0.6; 2.9	18.2 +- 0.7; 4.2	15.5 +- 2.0		
9	295	7.0	20.7 +- 0.6; 3.1	19.6 +- 0.7; 4.4	16.3 +- 2.4		
10	292	4.5	20.8 +- 0.6; 3.1	19.7 +- 0.7; 4.4	16.4 +- 2.1		
11	269	1.9	21.3 +- 0.6; 3.2	20.3 +- 0.7; 4.4	16.6 +- 2.1		
12	240	2.6	19.3 +- 0.6; 2.9	18.2 +- 0.7; 4.2	15.5 +- 2.1		
13	220	1.7	20.5 +- 0.6; 3.1	19.4 +- 0.7; 4.3	18.5 +- 2.8		
14	268	17.0	20.7 +- 0.6; 3.1	19.6 +- 0.7; 4.4	17.1 +- 2.2		
15	201	3.0	21.6 +- 0.6; 3.2	20.5 +- 0.8; 4.5	17.1 +- 2.0		
16	181	3.0	19.4 +- 0.6; 2.9	18.3 +- 0.7; 4.2	15.6 +- 2.4		
17	50	9.5	21.9 +- 0.7; 3.3	20.9 +- 0.8; 4.5	17.3 +- 2.1		
18	51	3.5	20.2 +- 0.6; 3.0	19.1 +- 0.7; 4.3	15.6 +- 1.9		
19	62	3.2	19.8 +- 0.6; 3.0	18.6 +- 0.7; 4.2	16.1 +- 2.2		
20	86	2.8	21.7 +- 0.7; 3.3	20.7 +- 0.8; 4.5	18.5 +- 2.2		
21	111	3.1	23.0 +- 0.7; 3.4	22.1 +- 0.8; 4.6	19.1 +- 2.3		
22	54	1.1	24.1 +- 0.7; 3.6	23.2 +- 0.8; 4.8	19.9 +- 2.2		
23	90	26.0	19.8 +- 0.6; 3.0	18.7 +- 0.7; 4.3	16.6 +- 2.4		
24	111	0.8	22.1 +- 0.7; 3.3	21.1 +- 0.8; 4.5	17.7 +- 1.9		
25	46	2.2	21.7 +- 0.7; 3.3	20.7 +- 0.8; 4.5	17.9 +- 2.2		
26	26	1.7	23.0 +- 0.7; 3.4	22.1 +- 0.8; 4.6	19.7 +- 2.3		
27	333	1.7	20.6 +- 0.6; 3.1	19.5 +- 0.7; 4.3	16.4 +- 2.0		
28	335	1.0	20.9 +- 0.6; 3.1	19.8 +- 0.7; 4.4	18.2 +- 2.6		
29	27	3.8	21.3 +- 0.6; 3.2	20.3 +- 0.7; 4.4	17.7 +- 2.1		
30	0	4.0	19.7 +- 0.6; 3.0	18.5 +- 0.7; 4.2	15.2 +- 2.1		
31	340	5.3	22.1 +- 0.7; 3.3	21.1 +- 0.8; 4.5	18.3 +- 2.1		
32	312	12.0	20.4 +- 0.6; 3.1	19.3 +- 0.7; 4.3	17.7 +- 2.4		
33	0	1.5	23.3 +- 0.7; 3.5	22.4 +- 0.8; 4.7	19.1 +- 2.2		
34	52	7.0	19.8 +- 0.6; 3.0	18.7 +- 0.7; 4.3	16.3 +- 2.4		
35	95	5.4	21.1 +- 0.6; 3.2	20.1 +- 0.7; 4.4	17.0 +- 2.2		
36	68	5.6	21.2 +- 0.6; 3.2	20.2 +- 0.7; 4.4	17.8 +- 2.3		
37	149	7.8	22.3 +- 0.7; 3.3	21.3 +- 0.8; 4.6	16.5 +- 2.1		
38	164	7.0	17.9 +- 0.5; 2.7	16.6 +- 0.6; 4.0	13.8 +- 2.1		

Transit Dose = 2.4 +- 0.3; 2.6

BROWNS FERRY  
For the period 950314-950725

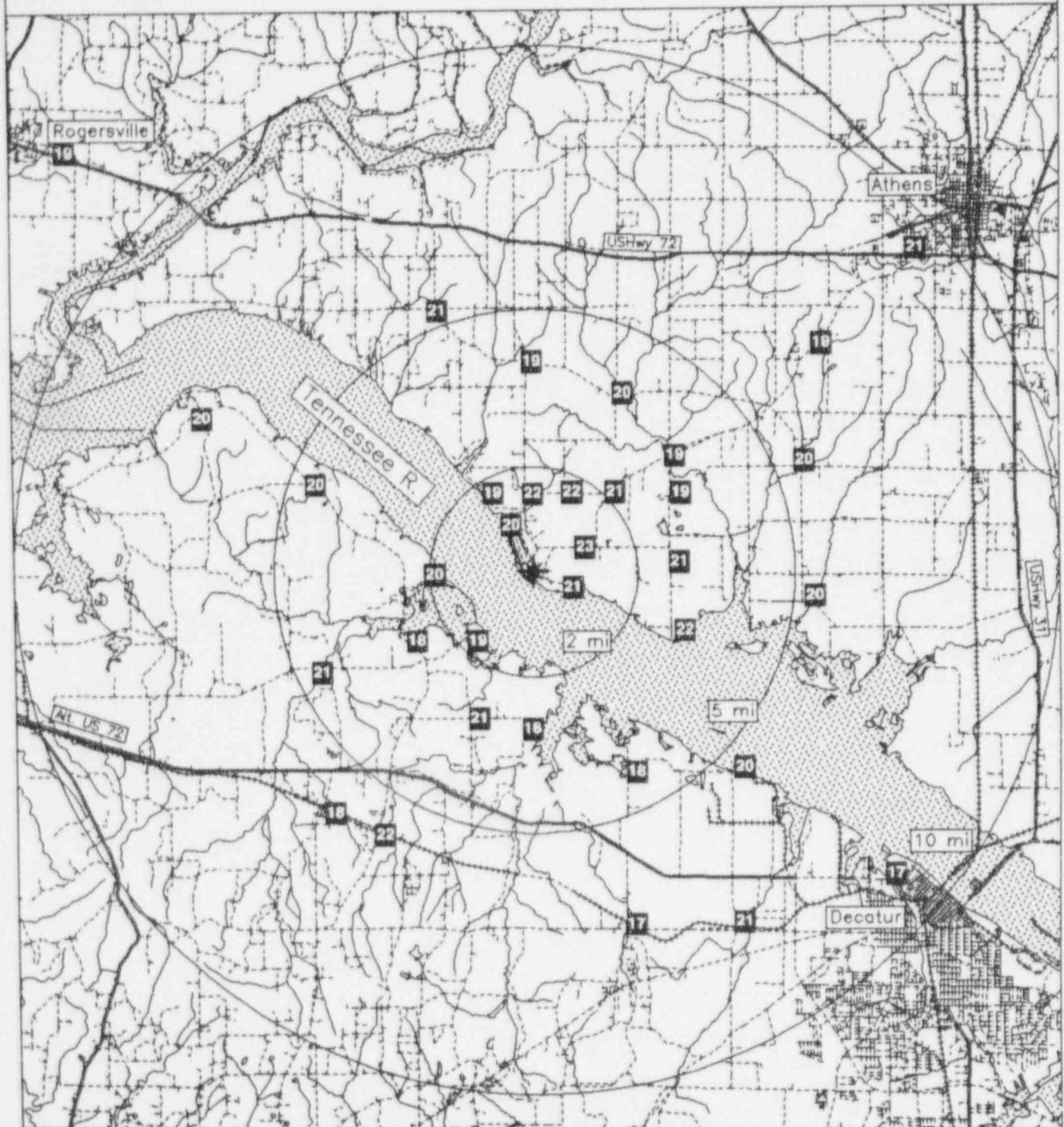
TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	20.5 +- 2.8	2
11.26 - 33.75 NNE	21.2 +- 1.2	2
33.76 - 56.25 NE	19.8 +- 1.1	4
56.26 - 78.75 ENE	20.7 +- 2.3	3
78.76 - 101.25 E	19.8 +- 1.0	3
101.26 - 123.75 ESE	21.6 +- 0.7	2
123.76 - 146.25 SE	18.5 +- 2.5	2
146.26 - 168.75 SSE	18.8 +- 2.4	3
168.76 - 191.25 S	18.3 +- 0.0	1
191.26 - 213.75 SSW	21.1 +- 0.9	2
213.76 - 236.25 SW	18.6 +- 1.1	2
236.26 - 258.75 WSW	19.8 +- 2.3	2
258.76 - 281.25 W	19.6 +- 0.9	2
281.26 - 303.75 WNW	19.7 +- 0.1	2
303.76 - 326.25 NW	19.3 +- 0.0	1
326.26 - 348.75 NNW	20.1 +- 0.9	3

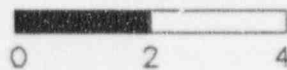
Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	20.8 +- 1.5	9
2 - 5	19.7 +- 1.3	13
> 5	19.5 +- 1.6	14
Upwind Control	18.9 +- 1.0	2



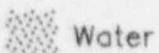
# NRC TLD DOSES FOR BROWNS FERRY AREA



Miles



### Legend



Water

Highways

Railroads

Roads



Plant site

## BRUNSWICK

TLD Direct Radiation Environmental Monitoring

For the period 950314-950712 121 Days

Field Time: 91 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	260	2.2	12.7	+- 0.4; 1.9	9.4	+- 0.5; 3.4	10.2	+- 1.6
2	245	3.4	12.3	+- 0.4; 1.8	9.0	+- 0.5; 3.4	10.1	+- 1.6
3	231	3.8	11.8	+- 0.4; 1.8	8.5	+- 0.5; 3.4	9.7	+- 1.8
4	210	4.9	14.1	+- 0.4; 2.1	10.8	+- 0.5; 3.5	12.5	+- 1.7
5	186	4.3	14.1	+- 0.4; 2.1	10.8	+- 0.5; 3.5	12.3	+- 1.8
6	270	4.5	13.4	+- 0.4; 2.0	10.1	+- 0.5; 3.5	10.3	+- 1.4
7	272	4.4	13.3	+- 0.4; 2.0	10.0	+- 0.5; 3.5	11.0	+- 1.5
8	73	1.3	Missing Dosimeter		No Net Data		12.2	+- 1.8
9	97	1.0	Damaged Dosimeter		No Net Data		12.0	+- 1.6
10	120	1.5	14.5	+- 0.4; 2.2	11.2	+- 0.5; 3.6	12.3	+- 1.4
11	131	0.9	Missing Dosimeter		No Net Data		11.8	+- 1.6
12	156	1.1	14.5	+- 0.4; 2.2	11.1	+- 0.5; 3.6	12.4	+- 1.6
13	180	1.1	13.5	+- 0.4; 2.0	10.2	+- 0.5; 3.5	11.5	+- 1.5
14	194	2.4	12.8	+- 0.4; 1.9	9.5	+- 0.5; 3.4	11.3	+- 1.7
15	201	2.0	13.2	+- 0.4; 2.0	9.9	+- 0.5; 3.5	10.9	+- 1.6
16	218	1.2	11.5	+- 0.3; 1.7	8.2	+- 0.5; 3.3	12.0	+- 2.0
17	252	1.1	14.6	+- 0.4; 2.2	11.3	+- 0.5; 3.6	11.9	+- 1.5
18	272	1.2	12.5	+- 0.4; 1.9	9.2	+- 0.5; 3.4	11.5	+- 1.9
19	19	1.1	12.7	+- 0.4; 1.9	9.4	+- 0.5; 3.4	11.1	+- 1.6
20	2	1.1	11.6	+- 0.3; 1.7	8.4	+- 0.5; 3.3	10.8	+- 1.9
21	288	1.3	12.8	+- 0.4; 1.9	9.5	+- 0.5; 3.4	10.3	+- 1.9
22	307	1.5	14.3	+- 0.4; 2.1	10.9	+- 0.5; 3.6	10.7	+- 1.4
23	338	2.1	12.9	+- 0.4; 1.9	9.6	+- 0.5; 3.4	11.6	+- 1.7
24	325	4.9	12.5	+- 0.4; 1.9	9.2	+- 0.5; 3.4	10.5	+- 1.5
25	338	3.8	13.7	+- 0.4; 2.0	10.4	+- 0.5; 3.5	11.6	+- 1.6
26	356	5.2	12.7	+- 0.4; 1.9	9.4	+- 0.5; 3.4	10.7	+- 1.5
27	30	6.4	12.7	+- 0.4; 1.9	9.4	+- 0.5; 3.4	10.5	+- 1.6
28	43	9.0	12.1	+- 0.4; 1.8	8.8	+- 0.5; 3.4	11.8	+- 2.1
29	50	8.5	12.6	+- 0.4; 1.9	9.3	+- 0.5; 3.4	11.3	+- 1.9
30	59	7.2	13.1	+- 0.4; 2.0	9.8	+- 0.5; 3.5	11.6	+- 1.7
31	65	6.5	14.0	+- 0.4; 2.1	10.7	+- 0.5; 3.5	11.5	+- 1.6
32	74	5.8	14.3	+- 0.4; 2.1	10.9	+- 0.5; 3.6	12.1	+- 2.0
33	88	4.1	12.5	+- 0.4; 1.9	9.2	+- 0.5; 3.4	10.8	+- 1.8
34	12	17.0	14.6	+- 0.4; 2.2	11.3	+- 0.5; 3.6	12.0	+- 1.6
35	16	18.0	13.2	+- 0.4; 2.0	9.9	+- 0.5; 3.5	10.7	+- 1.6
36	284	15.0	12.8	+- 0.4; 1.9	9.4	+- 0.5; 3.4	12.0	+- 2.1
37	284	16.0	13.0	+- 0.4; 1.9	9.7	+- 0.5; 3.5	12.4	+- 2.2
38	284	15.0	12.9	+- 0.4; 1.9	9.6	+- 0.5; 3.4	11.7	+- 1.7
39	287	4.6	13.6	+- 0.4; 2.0	10.3	+- 0.5; 3.5	10.8	+- 1.5
40	271	0.7	15.8	+- 0.5; 2.4	12.5	+- 0.6; 3.7	12.8	+- 1.7

Transit Dose = 3.2 +- 0.3; 2.9

BRUNSWICK  
For the period 950314-950712

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	8.9 +- 0.8	2
11.26 - 33.75 NNE	10.0 +- 0.9	4
33.76 - 56.25 NE	9.1 +- 0.4	2
56.26 - 78.75 ENE	10.5 +- 0.6	3
78.76 - 101.25 E	9.2 +- 0.0	1
101.26 - 123.75 ESE	11.2 +- 0.0	1
123.76 - 146.25 SE	No Data +- No Data	0
146.26 - 168.75 SSE	11.1 +- 0.0	1
168.76 - 191.25 S	10.5 +- 0.4	2
191.26 - 213.75 SSW	10.1 +- 0.7	3
213.76 - 236.25 SW	8.4 +- 0.2	2
236.26 - 258.75 WSW	10.1 +- 1.6	2
258.76 - 281.25 W	10.2 +- 1.3	5
281.26 - 303.75 WNW	9.9 +- 0.6	2
303.76 - 326.25 NW	10.1 +- 1.3	2
326.26 - 348.75 NNW	10.0 +- 0.5	2

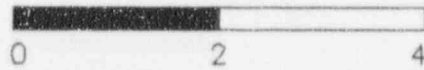
Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	10.2 +- 1.3	12
2 - 5	9.7 +- 0.7	13
> 5	10.0 +- 0.8	9
Upwind Control	9.6 +- 0.1	3



# NRC TLD DOSES FOR BRUNSWICK AREA



Miles



### Legend

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

## BYRON

TLD Direct Radiation Environmental Monitoring

For the period 950313-950726 136 Days

Field Time: 100 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	10	1.1	24.8	+- 0.7; 3.7	20.3	+- 0.7; 4.3	19.0	+- 2.0
2	27	1.0	24.7	+- 0.7; 3.7	20.3	+- 0.7; 4.3	18.6	+- 1.9
3	53	1.6	23.0	+- 0.7; 3.5	18.8	+- 0.7; 4.2	17.3	+- 1.8
4	68	1.6	21.7	+- 0.7; 3.3	17.6	+- 0.6; 4.0	20.2	+- 2.3
5	97	1.4	27.3	+- 0.8; 4.1	22.6	+- 0.8; 4.6	20.7	+- 2.0
6	120	1.3	25.4	+- 0.8; 3.8	20.9	+- 0.7; 4.4	18.8	+- 1.8
7	146	1.4	23.0	+- 0.7; 3.5	18.8	+- 0.7; 4.2	19.9	+- 2.6
8	175	2.2	24.9	+- 0.7; 3.7	20.4	+- 0.7; 4.4	18.7	+- 1.7
9	177	0.6	21.8	+- 0.7; 3.3	17.7	+- 0.7; 4.0	16.1	+- 1.7
10	183	0.5	25.7	+- 0.8; 3.9	21.2	+- 0.7; 4.4	18.4	+- 2.2
11	193	0.6	23.9	+- 0.7; 3.6	19.5	+- 0.7; 4.3	17.7	+- 2.2
12	220	0.9	23.8	+- 0.7; 3.6	19.5	+- 0.7; 4.2	18.2	+- 1.7
13	239	0.8	23.3	+- 0.7; 3.5	19.0	+- 0.7; 4.2	17.5	+- 1.6
14	252	0.7	25.4	+- 0.8; 3.8	20.9	+- 0.7; 4.4	19.0	+- 2.1
15	283	0.8	24.7	+- 0.7; 3.7	20.3	+- 0.7; 4.3	18.0	+- 2.0
16	303	1.0	21.7	+- 0.7; 3.3	17.6	+- 0.6; 4.0	16.7	+- 1.8
17	326	1.6	19.8	+- 0.6; 3.0	15.8	+- 0.6; 3.8	16.4	+- 2.1
18	23	4.0	20.7	+- 0.6; 3.1	16.7	+- 0.6; 3.9	15.7	+- 1.5
19	17	4.1	18.5	+- 0.6; 2.8	14.7	+- 0.6; 3.7	14.4	+- 1.3
20	5	4.3	20.9	+- 0.6; 3.1	16.9	+- 0.6; 4.0	17.1	+- 1.9
21	340	4.2	20.7	+- 0.6; 3.1	16.7	+- 0.6; 3.9	18.4	+- 2.2
22	322	4.9	25.6	+- 0.8; 3.8	21.1	+- 0.7; 4.4	18.6	+- 2.6
23	298	6.9	20.7	+- 0.6; 3.1	16.7	+- 0.6; 3.9	15.8	+- 1.4
24	262	4.8	20.4	+- 0.6; 3.1	16.4	+- 0.6; 3.9	15.7	+- 1.5
25	244	4.6	21.8	+- 0.7; 3.3	17.7	+- 0.7; 4.0	15.8	+- 1.4
26	224	4.8	21.4	+- 0.6; 3.2	17.3	+- 0.6; 4.0	16.3	+- 1.9
27	208	5.2	18.5	+- 0.6; 2.8	14.7	+- 0.6; 3.7	14.8	+- 1.4
28	209	14.0	19.2	+- 0.6; 2.9	15.3	+- 0.6; 3.8	14.4	+- 1.3
29	215	13.0	22.9	+- 0.7; 3.4	18.6	+- 0.7; 4.1	17.4	+- 1.7
30	215	13.0	22.7	+- 0.7; 3.4	18.5	+- 0.7; 4.1	18.3	+- 1.9
31	204	4.6	18.5	+- 0.6; 2.8	14.7	+- 0.6; 3.7	13.4	+- 1.4
32	178	4.4	19.6	+- 0.6; 2.9	15.7	+- 0.6; 3.8	15.9	+- 1.4
33	155	3.9	22.2	+- 0.7; 3.3	18.0	+- 0.7; 4.1	17.6	+- 1.7
34	138	4.6	22.7	+- 0.7; 3.4	18.5	+- 0.7; 4.1	17.8	+- 1.7
35	118	4.4	Missing Dosimeter		No Net Data		18.8	+- 2.1
36	81	3.8	22.0	+- 0.7; 3.3	17.8	+- 0.7; 4.1	16.8	+- 1.9
37	70	5.5	23.6	+- 0.7; 3.5	19.3	+- 0.7; 4.2	16.3	+- 2.0
38	45	4.0	20.0	+- 0.6; 3.0	16.0	+- 0.6; 3.9	15.0	+- 1.7
39	40	6.8	24.1	+- 0.7; 3.6	19.7	+- 0.7; 4.3	18.1	+- 1.5
40	45	15.0	Damaged Dosimeter		No Net Data		14.4	+- 1.3
41	220	3.0	25.9	+- 0.8; 3.9	21.4	+- 0.8; 4.5	19.4	+- 2.3

Transit Dose = 2.2 +- 0.3; 3.1

BYRON  
For the period 950313-950726

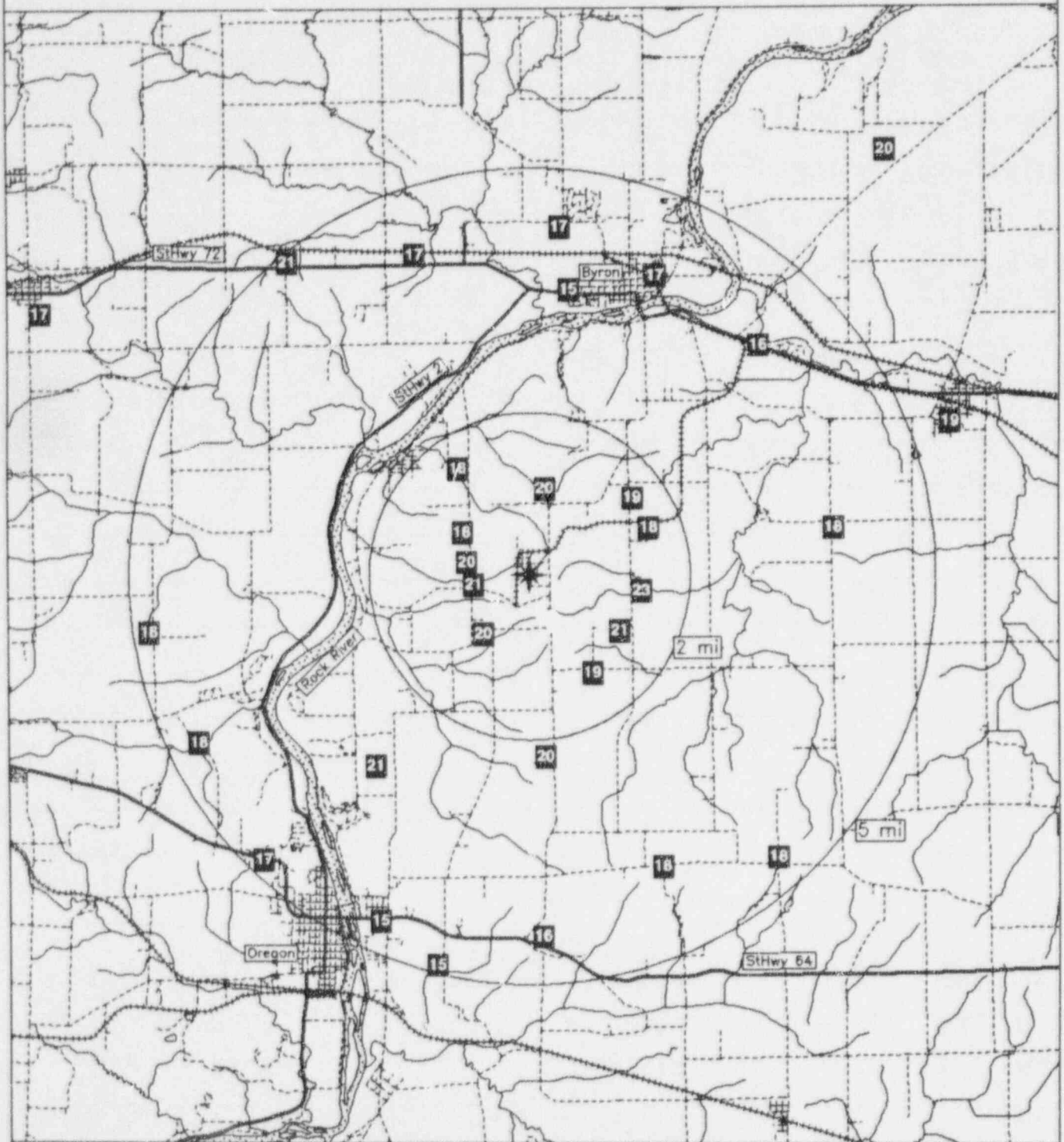
TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	18.6 +- 2.4	2
11.26 - 33.75 NNE	17.2 +- 2.8	3
33.76 - 56.25 NE	18.2 +- 1.9	3
56.26 - 78.75 ENE	18.4 +- 1.2	2
78.76 - 101.25 E	20.2 +- 3.4	2
101.26 - 123.75 ESE	20.9 +- 0.0	1
123.76 - 146.25 SE	18.6 +- 0.2	2
146.26 - 168.75 SSE	18.0 +- 0.0	1
168.76 - 191.25 S	18.7 +- 2.5	4
191.26 - 213.75 SSW	16.3 +- 2.8	3
213.76 - 236.25 SW	19.4 +- 2.0	3
236.26 - 258.75 WSW	18.3 +- 0.9	2
258.76 - 281.25 W	18.7 +- 3.2	2
281.26 - 303.75 WNW	18.2 +- 1.9	3
303.76 - 326.25 NW	18.5 +- 3.7	2
326.26 - 348.75 NNW	16.7 +- 0.0	1

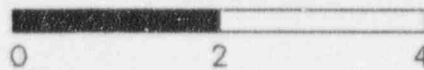
Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	19.4 +- 1.7	16
2 - 5	17.5 +- 2.0	16
> 5	17.5 +- 2.3	4
Upwind Control	17.5 +- 1.9	3



# NRC TLD DOSES FOR BYRON AREA



Miles



### Legend



Water



Highways



Railroads



Roads



Plant site

## CALLAWAY

TLD Direct Radiation Environmental Monitoring

For the period 950313-950713 123 Days

Field Time: 88 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	247	2.1	26.2	+- 0.8; 3.9	22.4	+- 0.9; 5.0	20.8	+- 2.7
2	259	1.4	23.5	+- 0.7; 3.5	19.7	+- 0.8; 4.7	19.5	+- 2.1
3	282	1.3	22.2	+- 0.7; 3.3	18.3	+- 0.8; 4.5	19.5	+- 1.8
4	304	1.3	23.9	+- 0.7; 3.6	20.1	+- 0.8; 4.7	20.2	+- 2.6
5	330	1.7	19.9	+- 0.6; 3.0	15.9	+- 0.7; 4.3	18.1	+- 1.9
6	1	1.7	21.0	+- 0.6; 3.1	17.1	+- 0.7; 4.4	17.0	+- 0.8
7	23	2.0	20.4	+- 0.6; 3.1	16.5	+- 0.7; 4.3	17.0	+- 0.9
8	77	0.7	21.4	+- 0.6; 3.2	17.6	+- 0.7; 4.4	17.8	+- 0.8
9	85	1.4	21.2	+- 0.6; 3.2	17.3	+- 0.7; 4.4	18.7	+- 1.1
10	98	1.5	20.3	+- 0.6; 3.0	16.4	+- 0.7; 4.3	17.2	+- 1.0
11	121	2.0	24.7	+- 0.7; 3.7	20.9	+- 0.8; 4.8	18.5	+- 2.7
12	140	2.0	22.6	+- 0.7; 3.4	18.7	+- 0.8; 4.6	18.3	+- 1.9
13	158	2.5	20.1	+- 0.6; 3.0	16.2	+- 0.7; 4.3	17.7	+- 0.9
14	183	3.7	15.4	+- 0.5; 2.3	11.4	+- 0.6; 3.8	18.8	+- 1.3
15	188	1.7	22.1	+- 0.7; 3.3	18.3	+- 0.8; 4.5	18.5	+- 1.1
16	202	0.7	19.6	+- 0.6; 2.9	15.6	+- 0.7; 4.2	17.4	+- 1.0
17	237	0.7	23.4	+- 0.7; 3.5	19.6	+- 0.8; 4.7	19.2	+- 1.8
18	312	11.0	20.0	+- 0.6; 3.0	16.1	+- 0.7; 4.3	17.8	+- 1.7
19	292	10.0	20.1	+- 0.6; 3.0	16.2	+- 0.7; 4.3	17.5	+- 1.0
20	268	9.0	20.0	+- 0.6; 3.0	16.1	+- 0.7; 4.3	17.9	+- 0.8
21	247	8.0	25.7	+- 0.8; 3.9	21.9	+- 0.9; 4.9	20.0	+- 2.2
22	225	8.0	21.4	+- 0.6; 3.2	17.5	+- 0.7; 4.4	17.6	+- 1.0
23	220	8.0	21.0	+- 0.6; 3.2	17.1	+- 0.7; 4.4	19.1	+- 2.0
24	205	5.5	16.3	+- 0.5; 2.4	12.3	+- 0.6; 3.9	16.4	+- 2.2
25	157	4.0	21.6	+- 0.6; 3.2	17.7	+- 0.8; 4.5	20.3	+- 2.4
26	134	5.0	17.4	+- 0.5; 2.6	13.5	+- 0.6; 4.0	16.0	+- 1.0
27	115	4.2	25.5	+- 0.8; 3.8	21.7	+- 0.9; 4.9	20.8	+- 2.3
28	95	3.5	Missing Dosimeter		No Net Data		20.7	+- 2.0
29	67	3.4	Missing Dosimeter		No Net Data		19.4	+- 1.0
30	48	4.5	18.9	+- 0.6; 2.8	15.0	+- 0.7; 4.2	15.7	+- 0.9
31	14	6.5	21.8	+- 0.7; 3.3	17.9	+- 0.8; 4.5	18.8	+- 1.0
32	2	5.1	19.7	+- 0.6; 3.0	15.8	+- 0.7; 4.2	18.7	+- 0.9
33	335	3.6	18.2	+- 0.5; 2.7	14.3	+- 0.7; 4.1	16.2	+- 1.1
34	288	4.3	21.4	+- 0.6; 3.2	17.5	+- 0.7; 4.4	18.8	+- 1.0
35	310	5.2	21.7	+- 0.6; 3.2	17.8	+- 0.8; 4.5	18.7	+- 1.0
36	264	3.2	Missing Dosimeter		No Net Data		14.4	+- 1.2
37	237	3.0	24.6	+- 0.7; 3.7	20.8	+- 0.8; 4.8	19.6	+- 1.7
38	270	15.0	23.0	+- 0.7; 3.4	19.1	+- 0.8; 4.6	16.5	+- 1.8
39	270	15.0	23.8	+- 0.7; 3.6	19.9	+- 0.8; 4.7	16.7	+- 2.8
40	203	20.0	20.7	+- 0.6; 3.1	16.8	+- 0.7; 4.3	18.4	+- 0.8

Transit Dose = 4.3 +- 0.3; 2.9

CALLAWAY

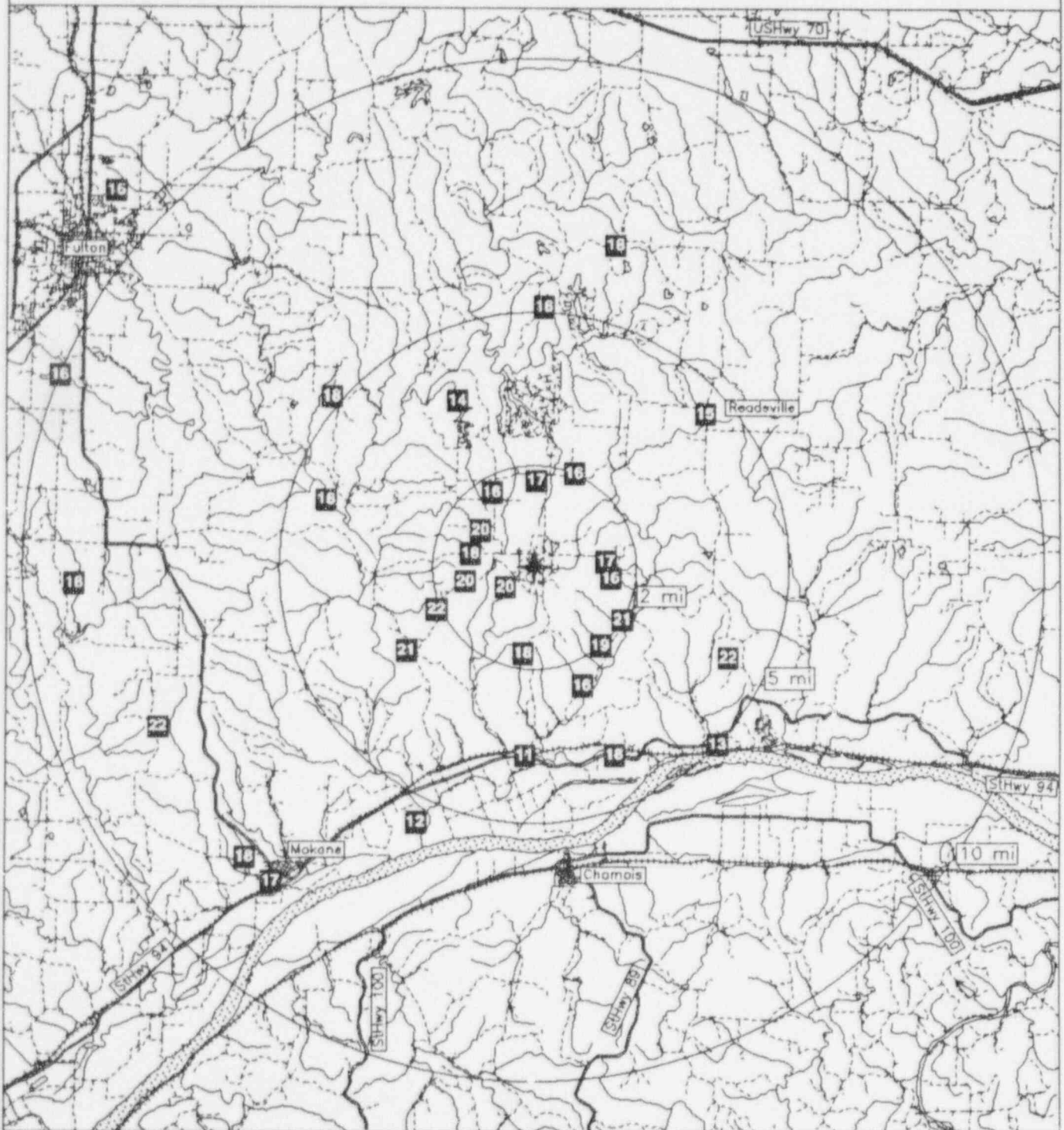
For the period 950313-950713

## TLD Direct Radiation Environmental Monitoring

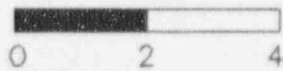
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	16.4 +- 0.9	2
11.26 - 33.75 NNE	17.2 +- 1.0	2
33.76 - 56.25 NE	15.0 +- 0.0	1
56.26 - 78.75 ENE	17.6 +- 0.0	1
78.76 - 101.25 E	16.8 +- 0.7	2
101.26 - 123.75 ESE	21.3 +- 0.6	2
123.76 - 146.25 SE	16.1 +- 3.7	2
146.26 - 168.75 SSE	17.0 +- 1.1	2
168.76 - 191.25 S	14.8 +- 4.9	2
191.26 - 213.75 SSW	13.9 +- 2.4	2
213.76 - 236.25 SW	17.3 +- 0.3	2
236.26 - 258.75 WSW	21.2 +- 1.2	4
258.76 - 281.25 W	17.9 +- 2.5	2
281.26 - 303.75 WNW	17.4 +- 1.1	3
303.76 - 326.25 NW	18.0 +- 2.0	3
326.26 - 348.75 NNW	15.1 +- 1.2	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	18.0 +- 1.6	14
2 - 5	17.0 +- 3.7	10
> 5	16.9 +- 2.4	10
Upwind Control	18.6 +- 1.6	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 950315-950711 119 Days  
 Field Time: 92 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)		Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	275	1.5	Missing Dosimeter	No Net Data	13.8 +- 2.0
3	284	1.7	17.0 +- 0.5; 2.6	14.7 +- 0.6; 3.7	13.5 +- 1.9
4	323	2.4	14.9 +- 0.4; 2.2	12.6 +- 0.5; 3.5	13.6 +- 1.3
5	297	3.1	18.3 +- 0.5; 2.7	15.9 +- 0.6; 3.9	14.2 +- 1.9
6	324	4.7	17.9 +- 0.5; 2.7	15.6 +- 0.6; 3.8	14.3 +- 2.0
7	324	5.5	15.0 +- 0.5; 2.3	12.8 +- 0.5; 3.5	12.8 +- 1.7
8	256	6.1	16.2 +- 0.5; 2.4	13.9 +- 0.6; 3.6	12.4 +- 2.1
9	273	4.1	14.4 +- 0.4; 2.2	12.2 +- 0.5; 3.5	13.2 +- 1.4
10	253	3.7	17.6 +- 0.5; 2.6	15.3 +- 0.6; 3.8	14.9 +- 1.7
11	230	4.0	16.4 +- 0.5; 2.5	14.1 +- 0.6; 3.7	14.8 +- 1.2
12	243	1.3	15.6 +- 0.5; 2.3	13.3 +- 0.5; 3.6	14.3 +- 1.2
13	222	1.5	19.3 +- 0.6; 2.9	16.9 +- 0.6; 4.0	15.4 +- 1.9
14	208	1.8	14.4 +- 0.4; 2.2	12.1 +- 0.5; 3.5	12.1 +- 1.4
15	176	2.4	19.9 +- 0.6; 3.0	17.5 +- 0.6; 4.0	16.8 +- 2.1
16	160	1.5	17.3 +- 0.5; 2.6	15.0 +- 0.6; 3.8	15.9 +- 1.5
19	159	3.8	15.8 +- 0.5; 2.4	13.5 +- 0.5; 3.6	14.1 +- 1.4
20	139	4.7	16.8 +- 0.5; 2.5	14.5 +- 0.6; 3.7	12.8 +- 1.9
21	201	4.0	15.0 +- 0.5; 2.3	12.8 +- 0.5; 3.5	13.7 +- 1.4
22	187	4.7	15.0 +- 0.5; 2.3	12.7 +- 0.5; 3.5	13.1 +- 1.1
23	201	8.7	16.7 +- 0.5; 2.5	14.4 +- 0.6; 3.7	14.1 +- 1.4
24	190	7.8	Missing Dosimeter	No Net Data	12.2 +- 1.1
25	325	6.7	15.6 +- 0.5; 2.3	13.3 +- 0.5; 3.6	13.5 +- 1.3
26	314	11.0	15.4 +- 0.5; 2.3	13.2 +- 0.5; 3.6	12.7 +- 1.4
27	314	11.0	14.9 +- 0.4; 2.2	12.6 +- 0.5; 3.5	12.9 +- 1.2
28	315	10.0	18.0 +- 0.5; 2.7	15.7 +- 0.6; 3.8	15.2 +- 1.7
29	186	12.0	18.8 +- 0.6; 2.8	16.5 +- 0.6; 3.9	15.4 +- 1.4

Transit Dose = 2.0 +- 0.3; 2.8

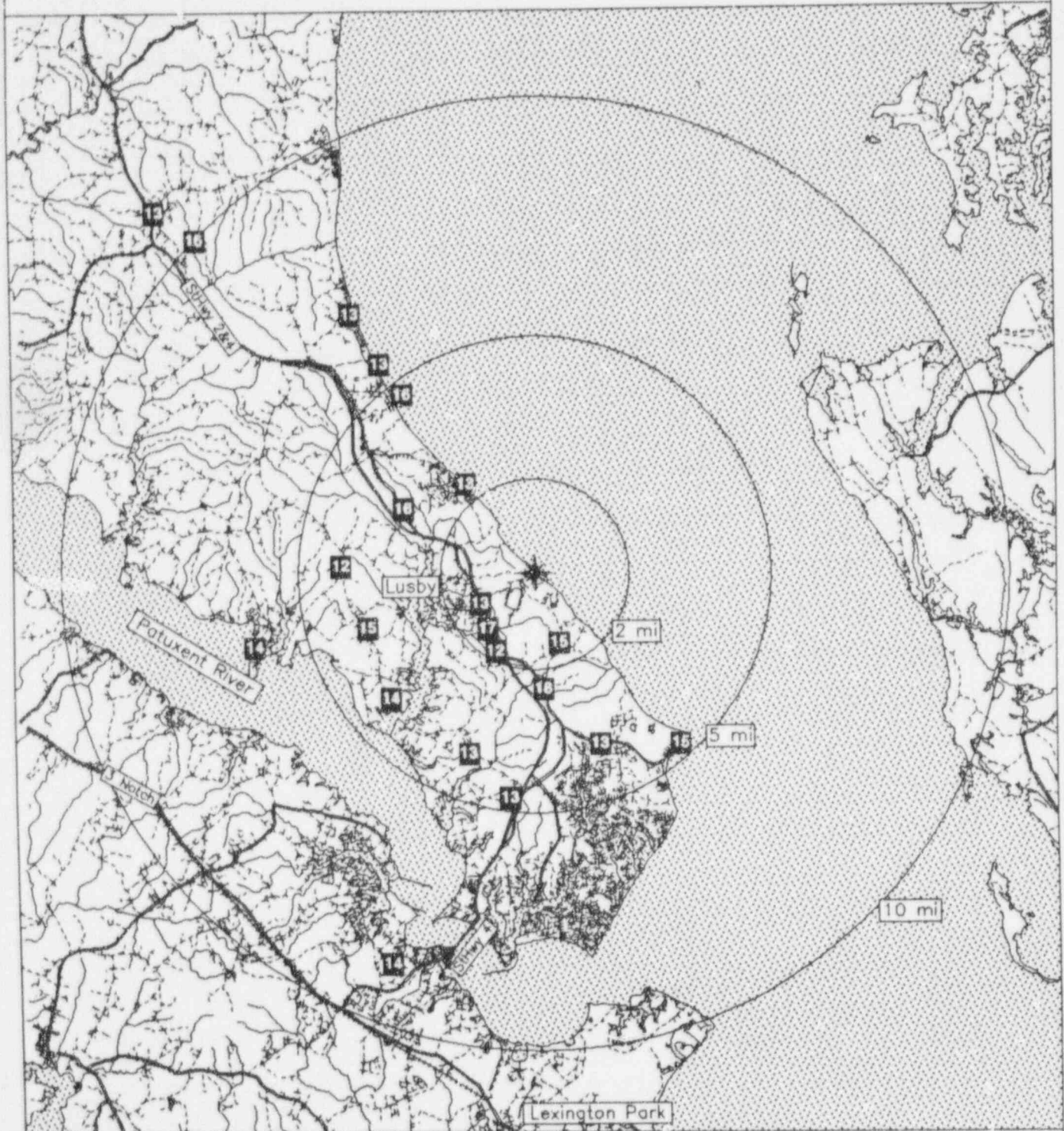
CALVERT CLIFFS  
For the period 950315-950711

TLD Direct Radiation Environmental Monitoring

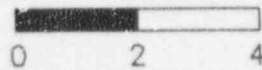
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	No Data +- No Data	0
11.26 - 33.75 NNE	No Data +- No Data	0
33.76 - 56.25 NE	No Data +- No Data	0
56.26 - 78.75 ENE	No Data +- No Data	0
78.76 - 101.25 E	No Data +- No Data	0
101.26 - 123.75 ESE	No Data +- No Data	0
123.76 - 146.25 SE	14.5 +- 0.0	1
146.26 - 168.75 SSE	14.2 +- 1.1	2
168.76 - 191.25 S	15.6 +- 2.5	3
191.26 - 213.75 SSW	13.1 +- 1.2	3
213.76 - 236.25 SW	15.5 +- 2.0	2
236.26 - 258.75 WSW	14.1 +- 1.0	3
258.76 - 281.25 W	12.2 +- 0.0	1
281.26 - 303.75 WNW	15.3 +- 0.9	2
303.76 - 326.25 NW	13.6 +- 1.4	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	14.4 +- 1.8	5
2 - 5	14.2 +- 1.7	11
> 5	14.2 +- 1.4	5
Upwind Control	13.8 +- 1.6	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 950314-950711 120 Days

Field Time: 98 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)		Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	134	0.1	25.3 +- 0.8; 3.8	17.1 +- 0.8; 4.7	18.7 +- 2.6
2	162	0.4	20.3 +- 0.6; 3.0	12.5 +- 0.7; 4.2	15.5 +- 2.3
3	132	0.8	24.3 +- 0.7; 3.6	16.2 +- 0.8; 4.6	18.4 +- 2.2
4	111	1.3	22.1 +- 0.7; 3.3	14.2 +- 0.7; 4.4	15.8 +- 1.8
5	45	0.7	21.1 +- 0.6; 3.2	13.3 +- 0.7; 4.3	15.7 +- 1.8
6	298	1.3	24.7 +- 0.7; 3.7	16.6 +- 0.8; 4.6	17.4 +- 2.2
7	4	0.6	20.1 +- 0.6; 3.0	12.3 +- 0.7; 4.2	15.1 +- 2.1
8	332	1.5	25.5 +- 0.8; 3.8	17.3 +- 0.8; 4.7	19.1 +- 2.2
9	318	1.6	17.3 +- 0.5; 2.6	9.7 +- 0.6; 3.9	12.5 +- 2.4
10	176	1.8	21.5 +- 0.6; 3.2	13.6 +- 0.7; 4.3	16.5 +- 2.5
11	203	1.5	23.6 +- 0.7; 3.5	15.5 +- 0.8; 4.5	16.5 +- 2.1
12	225	1.5	21.4 +- 0.6; 3.2	13.5 +- 0.7; 4.3	16.9 +- 2.6
13	250	1.9	20.3 +- 0.6; 3.1	12.6 +- 0.7; 4.2	14.3 +- 2.4
14	270	1.4	16.9 +- 0.5; 2.5	9.4 +- 0.6; 3.9	12.4 +- 2.1
15	331	3.0	21.1 +- 0.6; 3.2	13.3 +- 0.7; 4.3	13.9 +- 2.3
16	311	3.9	20.3 +- 0.6; 3.0	12.5 +- 0.7; 4.2	13.0 +- 2.3
17	296	9.5	24.9 +- 0.7; 3.7	16.8 +- 0.8; 4.6	17.9 +- 2.2
18	324	4.8	20.3 +- 0.6; 3.1	12.6 +- 0.7; 4.2	15.1 +- 2.6
19	352	4.8	17.9 +- 0.5; 2.7	10.3 +- 0.6; 4.0	13.0 +- 2.2
20	22	4.0	22.5 +- 0.7; 3.4	14.5 +- 0.7; 4.4	16.5 +- 2.3
21	290	3.9	21.2 +- 0.6; 3.2	13.4 +- 0.7; 4.3	14.9 +- 1.9
22	266	4.0	20.9 +- 0.6; 3.1	13.1 +- 0.7; 4.3	15.9 +- 2.5
23	251	4.0	Missing Dosimeter	No Net Data	11.1 +- 2.3
24	229	3.9	18.6 +- 0.6; 2.8	10.9 +- 0.7; 4.0	12.1 +- 2.3
25	202	4.4	24.2 +- 0.7; 3.6	16.1 +- 0.8; 4.6	17.1 +- 1.7
26	51	4.3	24.0 +- 0.7; 3.6	15.9 +- 0.8; 4.6	18.0 +- 1.7
27	64	7.9	19.3 +- 0.6; 2.9	11.6 +- 0.7; 4.1	11.7 +- 2.0
28	61	4.9	22.1 +- 0.7; 3.3	14.2 +- 0.7; 4.4	15.2 +- 2.2
29	49	1.9	21.3 +- 0.6; 3.2	13.5 +- 0.7; 4.3	14.6 +- 2.9
30	64	1.8	20.9 +- 0.6; 3.1	13.0 +- 0.7; 4.3	14.7 +- 1.9
31	87	1.6	20.3 +- 0.6; 3.1	12.6 +- 0.7; 4.2	14.2 +- 2.1
32	121	2.6	21.8 +- 0.7; 3.3	13.9 +- 0.7; 4.3	15.3 +- 2.1
33	114	7.6	19.2 +- 0.6; 2.9	11.5 +- 0.7; 4.1	13.9 +- 2.7
34	93	4.5	24.8 +- 0.7; 3.7	16.6 +- 0.8; 4.6	16.9 +- 2.5
35	132	4.3	28.0 +- 0.8; 4.2	19.6 +- 0.9; 5.0	20.4 +- 1.9
36	163	8.9	18.6 +- 0.6; 2.8	10.9 +- 0.7; 4.0	12.3 +- 2.0
37	173	4.9	19.7 +- 0.6; 3.0	12.0 +- 0.7; 4.1	13.5 +- 1.7
38	157	4.6	25.8 +- 0.8; 3.9	17.6 +- 0.8; 4.7	18.1 +- 1.8
39	248	10.0	20.9 +- 0.6; 3.1	13.1 +- 0.7; 4.3	15.8 +- 2.7
40	229	12.0	22.1 +- 0.7; 3.3	14.2 +- 0.7; 4.4	14.9 +- 2.0
41	218	13.0	17.3 +- 0.5; 2.6	9.8 +- 0.6; 3.9	12.4 +- 2.9
42	213	16.0	20.1 +- 0.6; 3.0	12.3 +- 0.7; 4.2	15.3 +- 1.9

Transit Dose = 6.7 +- 0.4; 3.4



CATAWBA

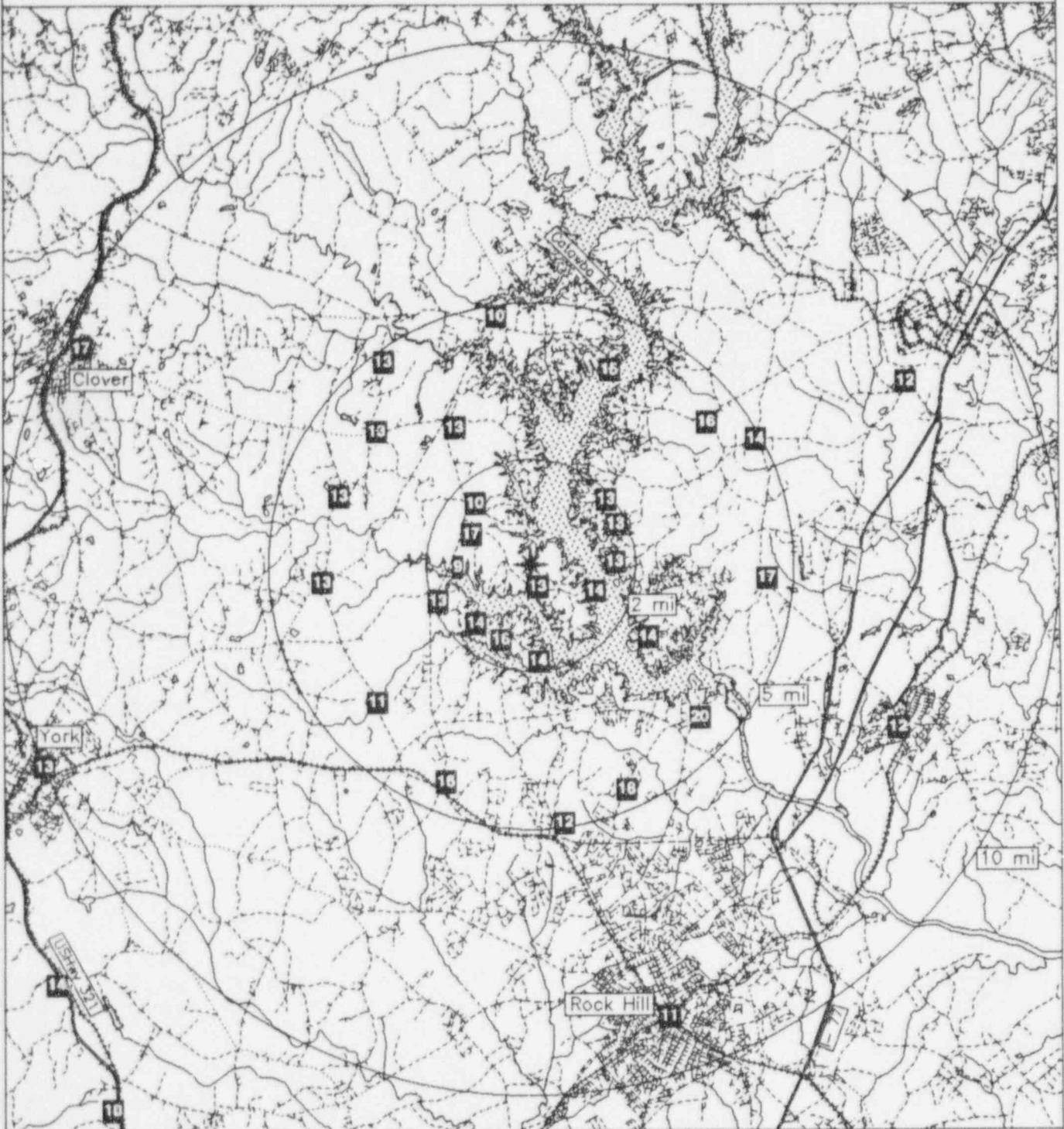
For the period 950314-950711

## TLD Direct Radiation Environmental Monitoring

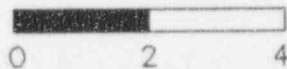
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	11.3 +- 1.4	2
11.26 - 33.75 NNE	14.5 +- 0.0	1
33.76 - 56.25 NE	14.2 +- 1.5	3
56.26 - 78.75 ENE	12.9 +- 1.3	3
78.76 - 101.25 E	14.6 +- 2.9	2
101.26 - 123.75 ESE	13.2 +- 1.5	3
123.76 - 146.25 SE	17.6 +- 1.8	3
146.26 - 168.75 SSE	13.7 +- 3.5	3
168.76 - 191.25 S	12.8 +- 1.2	2
191.26 - 213.75 SSW	15.8 +- 0.4	2
213.76 - 236.25 SW	12.2 +- 1.8	2
236.26 - 258.75 WSW	12.8 +- 0.4	2
258.76 - 281.25 W	11.3 +- 2.6	2
281.26 - 303.75 WNW	15.6 +- 1.9	3
303.76 - 326.25 NW	11.6 +- 1.6	3
326.26 - 348.75 NNW	15.3 +- 2.8	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	13.7 +- 2.3	17
2 - 5	14.2 +- 2.5	16
> 5	12.8 +- 2.4	5
Upwind Control	12.1 +- 2.2	3

# NRC TLD DOSES FOR CATAWBA AREA



Miles



### Legend

Water

Railroads

Plant site

Highways

Roads

CLINTON  
 TLD Direct Radiation Environmental Monitoring  
 For the period 950313-950726 136 Days  
 Field Time: 92 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)	Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev	
1	5	0.6	Damaged Dosimeter	No Net Data	18.8 +- 2.4
2	40	0.7	22.4 +- 0.7; 3.4	18.3 +- 0.7; 4.4	18.6 +- 1.5
3	35	0.8	29.2 +- 0.9; 4.4	24.9 +- 0.9; 5.2	21.2 +- 2.0
4	163	0.5	24.5 +- 0.7; 3.7	20.3 +- 0.8; 4.6	19.2 +- 1.9
5	210	0.5	23.0 +- 0.7; 3.4	18.8 +- 0.8; 4.5	19.4 +- 1.8
6	223	0.6	24.1 +- 0.7; 3.6	19.9 +- 0.8; 4.6	19.4 +- 1.8
7	235	0.8	24.1 +- 0.7; 3.6	19.9 +- 0.8; 4.6	18.8 +- 1.5
8	62	1.9	23.6 +- 0.7; 3.5	19.4 +- 0.8; 4.5	18.4 +- 1.6
9	78	1.8	23.2 +- 0.7; 3.5	19.0 +- 0.8; 4.5	18.3 +- 1.4
10	79	2.6	24.5 +- 0.7; 3.7	20.3 +- 0.8; 4.6	18.7 +- 2.0
11	100	2.3	24.1 +- 0.7; 3.6	19.9 +- 0.8; 4.6	18.5 +- 1.4
12	115	3.0	26.2 +- 0.8; 3.9	22.0 +- 0.8; 4.8	16.6 +- 2.0
13	127	3.2	23.7 +- 0.7; 3.6	19.5 +- 0.8; 4.5	18.5 +- 1.5
14	155	2.1	23.5 +- 0.7; 3.5	19.3 +- 0.8; 4.5	18.9 +- 1.5
15	185	3.0	21.0 +- 0.6; 3.1	16.8 +- 0.7; 4.2	19.1 +- 2.1
16	203	3.2	21.2 +- 0.6; 3.2	17.0 +- 0.7; 4.3	17.9 +- 1.6
17	230	3.7	23.6 +- 0.7; 3.5	19.4 +- 0.8; 4.5	17.9 +- 1.7
18	255	2.8	24.2 +- 0.7; 3.6	20.0 +- 0.8; 4.6	19.0 +- 1.6
19	275	2.3	22.8 +- 0.7; 3.4	18.6 +- 0.7; 4.4	18.5 +- 1.5
20	302	0.9	23.1 +- 0.7; 3.5	18.9 +- 0.8; 4.5	18.0 +- 1.5
21	336	0.8	23.3 +- 0.7; 3.5	19.1 +- 0.8; 4.5	17.9 +- 1.7
22	0	0.6	23.7 +- 0.7; 3.6	19.5 +- 0.8; 4.5	18.6 +- 1.9
23	358	4.6	24.1 +- 0.7; 3.6	19.9 +- 0.8; 4.6	19.1 +- 1.8
24	20	3.9	22.9 +- 0.7; 3.4	18.8 +- 0.8; 4.4	18.3 +- 1.6
25	46	5.0	24.0 +- 0.7; 3.6	19.8 +- 0.8; 4.6	18.9 +- 1.5
26	62	5.5	Missing Dosimeter	No Net Data	16.9 +- 1.5
27	90	4.8	Missing Dosimeter	No Net Data	17.7 +- 1.7
28	115	5.2	23.0 +- 0.7; 3.5	18.8 +- 0.8; 4.5	17.3 +- 1.4
29	128	5.1	22.9 +- 0.7; 3.4	18.7 +- 0.8; 4.4	18.1 +- 1.6
30	153	5.8	25.0 +- 0.7; 3.7	20.7 +- 0.8; 4.7	18.5 +- 1.7
31	173	5.2	22.4 +- 0.7; 3.4	18.2 +- 0.7; 4.4	18.0 +- 1.4
32	205	4.7	23.4 +- 0.7; 3.5	19.2 +- 0.8; 4.5	18.0 +- 1.6
33	238	5.1	22.6 +- 0.7; 3.4	18.4 +- 0.7; 4.4	18.1 +- 1.6
34	252	5.8	21.1 +- 0.6; 3.2	17.0 +- 0.7; 4.3	17.7 +- 2.3
35	260	6.6	18.1 +- 0.5; 2.7	14.0 +- 0.6; 3.9	14.9 +- 1.7
36	272	4.8	22.4 +- 0.7; 3.4	18.2 +- 0.7; 4.4	18.4 +- 1.6
37	288	4.8	21.8 +- 0.7; 3.3	17.6 +- 0.7; 4.3	17.5 +- 1.7
38	297	7.6	22.1 +- 0.7; 3.3	17.9 +- 0.7; 4.4	16.2 +- 1.5
39	315	5.1	22.0 +- 0.7; 3.3	17.8 +- 0.7; 4.3	18.4 +- 2.0
40	342	4.8	23.6 +- 0.7; 3.5	19.4 +- 0.8; 4.5	18.2 +- 1.5
41	65	12.0	21.5 +- 0.6; 3.2	17.4 +- 0.7; 4.3	17.7 +- 2.1
42	148	12.0	27.3 +- 0.8; 4.1	23.0 +- 0.9; 4.9	18.5 +- 2.1
43	148	12.0	26.9 +- 0.8; 4.0	22.6 +- 0.9; 4.9	18.9 +- 1.7
44	206	14.0	Missing Dosimeter	No Net Data	15.8 +- 1.6

Transit Dose = 3.8 +- 0.3; 3.0

CLINTON

For the period 950313-950726

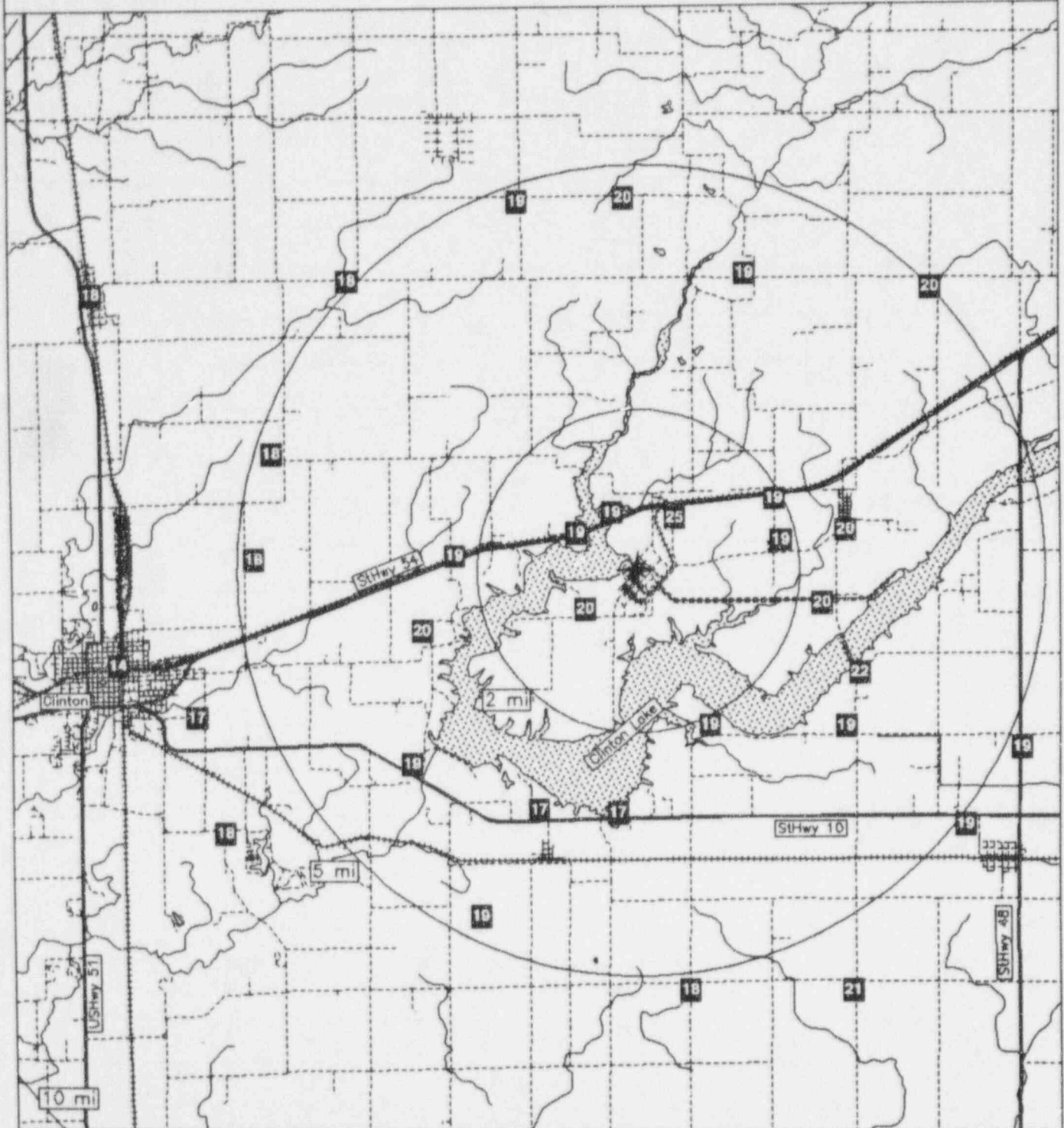
## TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	19.7 +- 0.3	2
11.26 - 33.75 NNE	18.8 +- 0.0	1
33.76 - 56.25 NE	21.0 +- 3.4	3
56.26 - 78.75 ENE	18.6 +- 1.1	3
78.76 - 101.25 E	20.1 +- 0.3	2
101.26 - 123.75 ESE	20.4 +- 2.2	2
123.76 - 146.25 SE	19.1 +- 0.5	2
146.26 - 168.75 SSE	20.1 +- 0.7	3
168.76 - 191.25 S	17.5 +- 1.0	2
191.26 - 213.75 SSW	18.4 +- 1.2	3
213.76 - 236.25 SW	19.7 +- 0.3	3
236.26 - 258.75 WSW	18.5 +- 1.5	3
258.76 - 281.25 W	16.9 +- 2.6	3
281.26 - 303.75 WNW	18.1 +- 0.7	3
303.76 - 326.25 NW	17.8 +- 0.0	1
326.26 - 348.75 NNW	19.2 +- 0.2	2

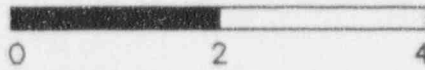
Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	19.8 +- 1.8	11
2 - 5	19.2 +- 1.3	17
> 5	17.9 +- 1.7	10
Upwind Control	22.8 +- 0.3	2



# NRC TLD DOSES FOR CLINTON AREA



Miles



### Legend

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

## COMANCHE PEAK

TLD Direct Radiation Environmental Monitoring

For the period 950313-950801 142 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	306	1.4	21.1	+ 0.6; 3.2	16.6	+ 0.7; 4.3	15.3	+ 1.1
2	285	1.5	22.4	+ 0.7; 3.4	17.8	+ 0.7; 4.4	15.6	+ 1.4
3	268	1.1	18.9	+ 0.6; 2.8	14.4	+ 0.7; 4.0	14.2	+ 0.8
4	253	0.9	19.7	+ 0.6; 3.0	15.2	+ 0.7; 4.1	15.4	+ 1.0
5	218	1.0	20.0	+ 0.6; 3.0	15.5	+ 0.7; 4.2	15.7	+ 1.2
6	200	1.0	18.4	+ 0.6; 2.8	14.0	+ 0.6; 4.0	13.7	+ 1.3
7	180	1.4	19.5	+ 0.6; 2.9	15.0	+ 0.7; 4.1	13.9	+ 1.0
8	163	1.6	19.4	+ 0.6; 2.9	15.0	+ 0.7; 4.1	15.8	+ 1.4
9	140	1.3	20.2	+ 0.6; 3.0	15.7	+ 0.7; 4.2	15.7	+ 0.9
10	118	1.5	19.9	+ 0.6; 3.0	15.5	+ 0.7; 4.1	13.7	+ 1.2
11	93	1.9	23.2	+ 0.7; 3.5	18.7	+ 0.8; 4.5	15.0	+ 2.7
12	73	2.4	22.2	+ 0.7; 3.3	17.7	+ 0.7; 4.4	17.2	+ 1.2
13	245	1.7	19.6	+ 0.6; 2.9	15.1	+ 0.7; 4.1	14.1	+ 1.1
14	156	4.3	19.6	+ 0.6; 2.9	15.1	+ 0.7; 4.1	13.9	+ 1.2
15	186	7.0	19.3	+ 0.6; 2.9	14.8	+ 0.7; 4.1	14.9	+ 1.5
16	183	4.1	18.9	+ 0.6; 2.8	14.5	+ 0.7; 4.0	15.8	+ 1.3
17	205	4.3	20.4	+ 0.6; 3.1	15.9	+ 0.7; 4.2	15.4	+ 0.9
18	225	3.4	18.1	+ 0.5; 2.7	13.6	+ 0.6; 4.0	12.9	+ 1.2
19	245	5.2	20.2	+ 0.6; 3.0	15.7	+ 0.7; 4.2	15.4	+ 0.8
20	264	5.8	19.3	+ 0.6; 2.9	14.8	+ 0.7; 4.1	13.8	+ 1.0
21	258	3.2	18.6	+ 0.6; 2.8	14.1	+ 0.6; 4.0	13.8	+ 1.1
22	284	5.1	18.8	+ 0.6; 2.8	14.4	+ 0.7; 4.0	13.4	+ 1.1
23	313	5.8	20.2	+ 0.6; 3.0	15.7	+ 0.7; 4.2	15.1	+ 1.1
24	332	4.9	18.5	+ 0.6; 2.8	14.0	+ 0.6; 4.0	14.2	+ 1.1
25	9	4.6	19.8	+ 0.6; 3.0	15.3	+ 0.7; 4.1	15.0	+ 1.2
26	26	4.5	19.3	+ 0.6; 2.9	14.8	+ 0.7; 4.1	14.6	+ 1.2
27	47	4.1	18.9	+ 0.6; 2.3	14.4	+ 0.7; 4.0	14.3	+ 1.1
28	6	1.8	19.9	+ 0.6; 3.0	15.4	+ 0.7; 4.1	15.0	+ 1.3
29	16	1.9	20.0	+ 0.6; 3.0	15.5	+ 0.7; 4.2	14.6	+ 1.2
30	102	3.0	21.0	+ 0.6; 3.1	16.5	+ 0.7; 4.3	15.5	+ 1.4
31	108	3.9	19.7	+ 0.6; 2.9	15.2	+ 0.7; 4.1	14.8	+ 1.2
32	135	4.6	20.1	+ 0.6; 3.0	15.6	+ 0.7; 4.2	15.6	+ 1.3
33	152	6.3	18.9	+ 0.6; 2.8	14.4	+ 0.7; 4.0	13.7	+ 1.1
34	47	2.9	18.6	+ 0.6; 2.8	14.1	+ 0.6; 4.0	13.4	+ 1.5
35	85	4.8	19.8	+ 0.6; 3.0	15.3	+ 0.7; 4.1	15.2	+ 1.3
36	115	7.5	20.3	+ 0.6; 3.0	15.8	+ 0.7; 4.2	15.1	+ 1.4
37	355	9.4	19.7	+ 0.6; 3.0	15.2	+ 0.7; 4.1	14.3	+ 1.3
38	337	9.2	19.2	+ 0.6; 2.9	14.8	+ 0.7; 4.1	14.3	+ 1.3
39	310	9.9	19.6	+ 0.6; 2.9	15.1	+ 0.7; 4.1	14.5	+ 1.3
40	302	8.1	18.4	+ 0.6; 2.8	14.0	+ 0.6; 4.0	13.8	+ 1.4
41	248	7.9	21.0	+ 0.6; 3.2	16.5	+ 0.7; 4.3	15.9	+ 1.1
42	90	0.5	Missing Dosimeter		No Net Data		14.1	+ 1.6
43	18	9.8	19.9	+ 0.6; 3.0	15.4	+ 0.7; 4.1	14.9	+ 1.2
44	263	1.7	18.5	+ 0.6; 2.8	14.1	+ 0.6; 4.0	13.4	+ 1.8
45	218	12.0	20.6	+ 0.6; 3.1	16.0	+ 0.7; 4.2	14.9	+ 1.2
46	140	12.0	19.5	+ 0.6; 2.9	15.0	+ 0.7; 4.1	14.8	+ 1.3
47	301	21.0	19.7	+ 0.6; 2.9	15.2	+ 0.7; 4.1	14.7	+ 1.1

Transit Dose = 4.2 +- 0.4; 3.0

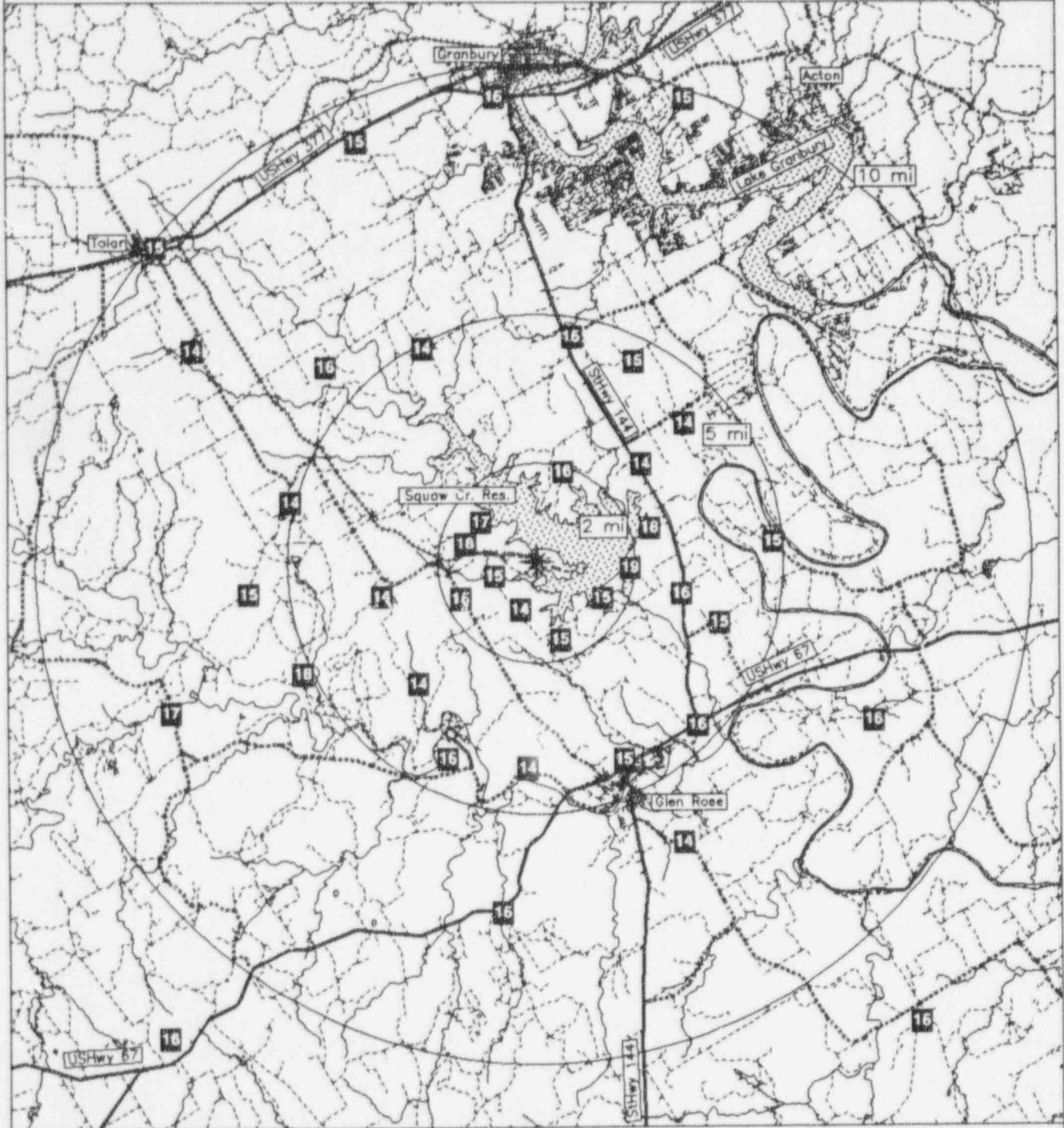
COMANCHE PEAK  
For the period 950313-950801

TLD Direct Radiation Environmental Monitoring

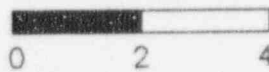
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	15.3 +- 0.1	3
11.26 - 33.75 NNE	15.3 +- 0.4	3
33.76 - 56.25 NE	14.3 +- 0.2	2
56.26 - 78.75 ENE	17.7 +- 0.0	1
78.76 - 101.25 E	17.0 +- 2.4	2
101.26 - 123.75 ESE	15.7 +- 0.6	4
123.76 - 146.25 SE	15.4 +- 0.4	3
146.26 - 168.75 SSE	14.8 +- 0.4	3
168.76 - 191.25 S	14.8 +- 0.3	3
191.26 - 213.75 SSW	14.9 +- 1.3	2
213.76 - 236.25 SW	15.1 +- 1.3	3
236.26 - 258.75 WSW	15.3 +- 0.9	5
258.76 - 281.25 W	14.4 +- 0.4	3
281.26 - 303.75 WNW	15.3 +- 1.7	4
303.76 - 326.25 NW	15.8 +- 0.7	3
326.26 - 348.75 NNW	14.4 +- 0.5	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	15.6 +- 1.3	15
2 - 5	15.1 +- 1.1	15
> 5	15.2 +- 0.7	16
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 950312-950727 138 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	350	2.3	24.3	+- 0.7; 3.7	19.6	+- 0.8; 4.6	18.1	+- 1.6
2	6	3.5	25.6	+- 0.8; 3.8	20.8	+- 0.8; 4.8	18.9	+- 1.2
3	18	2.7	24.9	+- 0.7; 3.7	20.1	+- 0.8; 4.7	19.5	+- 1.5
4	16	3.2	25.0	+- 0.7; 3.7	20.2	+- 0.8; 4.7	19.7	+- 1.5
5	47	1.9	26.8	+- 0.8; 4.0	22.0	+- 0.9; 4.9	19.5	+- 1.3
6	40	3.6	25.7	+- 0.8; 3.9	20.9	+- 0.8; 4.8	18.8	+- 1.7
7	75	2.7	25.5	+- 0.8; 3.8	20.7	+- 0.8; 4.8	18.7	+- 1.9
8	55	2.8	24.7	+- 0.7; 3.7	19.9	+- 0.8; 4.7	18.8	+- 1.9
9	80	2.1	26.5	+- 0.8; 4.0	21.7	+- 0.9; 4.9	20.3	+- 1.6
10	98	3.7	25.3	+- 0.8; 3.8	20.5	+- 0.8; 4.8	18.5	+- 1.3
11	118	2.3	26.0	+- 0.8; 3.9	21.2	+- 0.8; 4.8	20.1	+- 1.5
12	109	4.6	23.6	+- 0.7; 3.5	18.8	+- 0.8; 4.6	19.9	+- 1.3
13	141	3.2	24.8	+- 0.7; 3.7	20.0	+- 0.8; 4.7	19.5	+- 1.3
14	126	5.6	25.7	+- 0.8; 3.9	20.9	+- 0.8; 4.8	18.0	+- 1.6
15	159	2.7	24.1	+- 0.7; 3.6	19.3	+- 0.8; 4.6	18.8	+- 1.5
16	167	4.9	21.8	+- 0.7; 3.3	17.0	+- 0.7; 4.4	19.5	+- 2.3
17	205	0.3	26.4	+- 0.8; 4.0	21.6	+- 0.9; 4.9	19.4	+- 1.9
18	186	4.7	26.3	+- 0.8; 3.9	21.5	+- 0.8; 4.9	20.3	+- 1.6
19	213	3.0	24.2	+- 0.7; 3.6	19.4	+- 0.8; 4.6	19.3	+- 1.4
20	195	4.9	26.9	+- 0.8; 4.0	22.0	+- 0.9; 4.9	20.4	+- 1.7
21	222	2.0	24.9	+- 0.7; 3.7	20.1	+- 0.8; 4.7	18.3	+- 1.4
22	215	5.7	26.8	+- 0.8; 4.0	22.0	+- 0.9; 4.9	20.3	+- 1.7
23	256	1.5	27.0	+- 0.8; 4.0	22.1	+- 0.9; 4.9	20.0	+- 1.7
24	238	5.2	27.5	+- 0.8; 4.1	22.6	+- 0.9; 5.0	20.0	+- 1.5
25	276	2.2	26.9	+- 0.8; 4.0	22.0	+- 0.9; 4.9	20.5	+- 1.4
26	260	3.8	47.7	+- 1.4; 7.1	42.4	+- 1.4; 7.6	20.5	+- 1.3
27	301	1.8	26.5	+- 0.8; 4.0	21.6	+- 0.9; 4.9	20.1	+- 1.4
28	286	4.3	27.7	+- 0.8; 4.2	22.9	+- 0.9; 5.0	19.7	+- 1.7
29	324	2.8	25.7	+- 0.8; 3.9	20.9	+- 0.8; 4.8	19.2	+- 2.2
30	333	3.7	25.5	+- 0.8; 3.8	20.7	+- 0.8; 4.8	19.8	+- 1.6
31	343	2.6	26.1	+- 0.8; 3.9	21.2	+- 0.8; 4.8	20.2	+- 1.9
32	333	3.7	26.3	+- 0.8; 3.9	21.5	+- 0.8; 4.9	19.7	+- 2.0
33	215	1.0	25.2	+- 0.8; 3.8	20.4	+- 0.8; 4.7	20.1	+- 2.3
34	175	18.0	27.3	+- 0.8; 4.1	22.5	+- 0.9; 5.0	20.3	+- 2.2
35	333	23.0	Missing Dosimeter		No Net Data		18.7	+- 1.9
36	210	19.0	25.8	+- 0.8; 3.9	20.9	+- 0.8; 4.8	19.9	+- 2.5
37	64	7.0	29.6	+- 0.9; 4.4	24.7	+- 0.9; 5.3	23.0	+- 3.3
38	329	9.0	28.4	+- 0.9; 4.3	23.5	+- 0.9; 5.1	21.6	+- 2.9
39	273	10.0	25.9	+- 0.8; 3.9	21.1	+- 0.8; 4.8	19.2	+- 1.8
40	300	2.5	28.3	+- 0.8; 4.2	23.4	+- 0.9; 5.1	22.2	+- 2.2
42	93	3.5	25.5	+- 0.8; 3.8	20.7	+- 0.8; 4.8	19.0	+- 1.5
43	270	2.2	26.8	+- 0.8; 4.0	21.9	+- 0.9; 4.9	19.8	+- 1.7

Transit Dose = 4.4 +- 0.4; 3.0

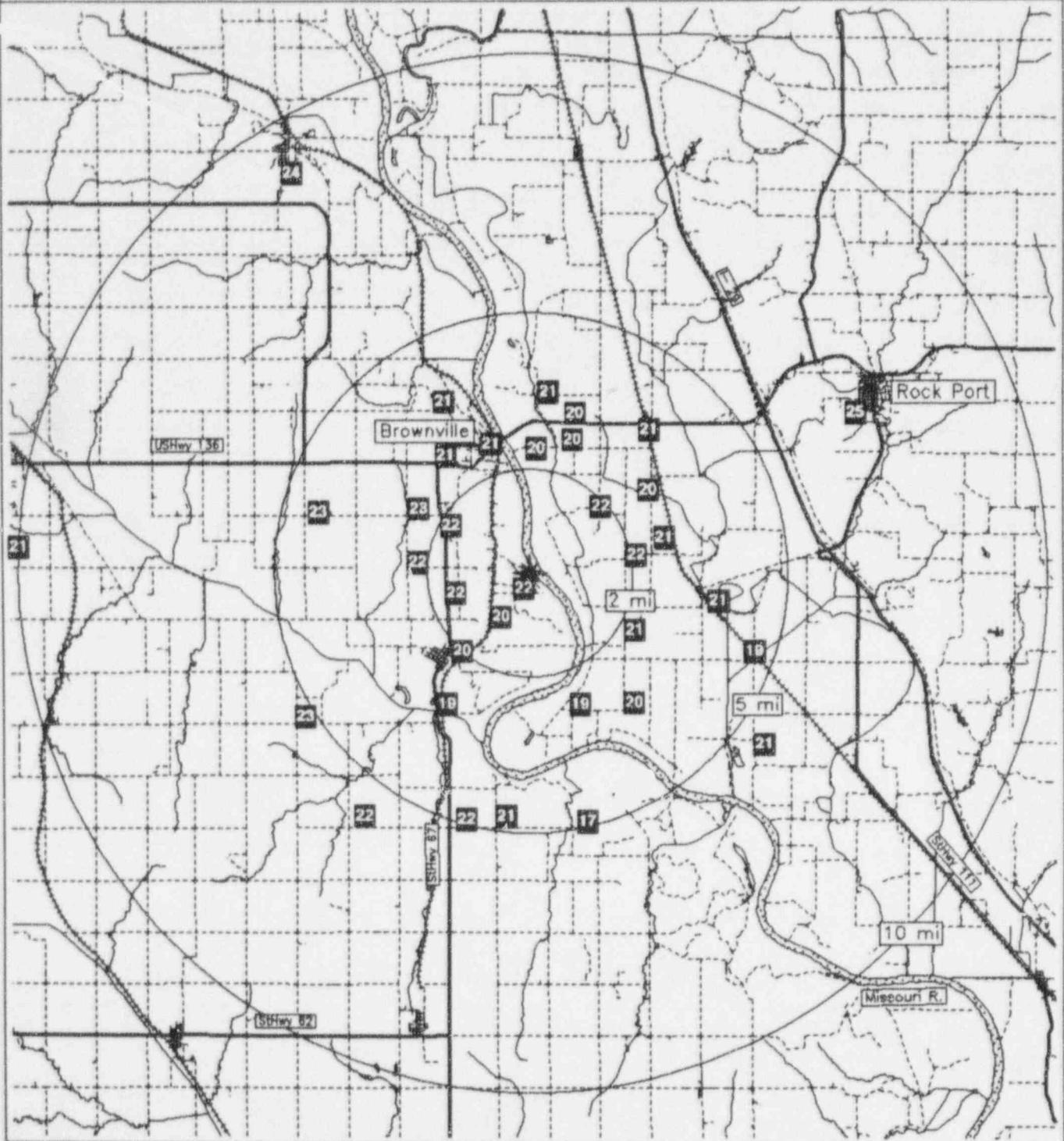
COOPER  
For the period 950312-950727

TLD Direct Radiation Environmental Monitoring

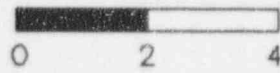
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	20.2 +- 0.9	2
11.26 - 33.75 NNE	20.1 +- 0.0	2
33.76 - 56.25 NE	20.9 +- 1.0	3
56.26 - 78.75 ENE	22.7 +- 2.8	2
78.76 - 101.25 E	21.0 +- 0.6	3
101.26 - 123.75 ESE	20.0 +- 1.7	2
123.76 - 146.25 SE	20.5 +- 0.6	2
146.26 - 168.75 SSE	18.2 +- 1.6	2
168.76 - 191.25 S	21.5 +- 0.0	1
191.26 - 213.75 SSW	21.0 +- 1.4	3
213.76 - 236.25 SW	20.8 +- 1.0	3
236.26 - 258.75 WSW	22.4 +- 0.3	2
258.76 - 281.25 W	21.7 +- 0.5	3
281.26 - 303.75 WNW	22.6 +- 0.9	3
303.76 - 326.25 NW	20.9 +- 0.0	1
326.26 - 348.75 NNW	21.7 +- 1.2	4

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	21.3 +- 0.9	6
2 - 5	20.7 +- 1.3	26
> 5	22.5 +- 1.5	6
Upwind Control	21.7 +- 1.1	2

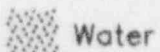
# NRC TLD DOSES FOR COOPER AREA



Miles



### Legend



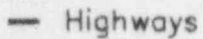
Water



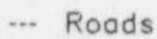
Railroads



Plant..site



Highways



Roads

## CRYSTAL RIVER

TLD Direct Radiation Environmental Monitoring

For the period 950314-950713 122 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
6	61	4.2	12.7 +- 0.4; 1.9	11.6 +- 0.4; 3.2	11.7 +- 2.3
7	50	3.8	Damaged Dosimeter	No Net Data	11.8 +- 2.5
8	20	5.2	13.6 +- 0.4; 2.0	12.4 +- 0.5; 3.3	12.4 +- 2.3
9	6	5.4	14.7 +- 0.4; 2.2	13.5 +- 0.5; 3.4	14.1 +- 2.4
10	348	5.0	14.5 +- 0.4; 2.2	13.3 +- 0.5; 3.4	13.6 +- 2.3
11	334	4.8	13.2 +- 0.4; 2.0	12.0 +- 0.4; 3.3	13.0 +- 2.3
12	318	4.8	Missing Dosimeter	No Net Data	12.5 +- 2.6
13	79	3.8	13.7 +- 0.4; 2.1	12.5 +- 0.5; 3.3	13.0 +- 2.4
14	95	4.1	12.6 +- 0.4; 1.9	11.4 +- 0.4; 3.2	12.5 +- 2.6
15	89	1.8	15.9 +- 0.5; 2.4	14.6 +- 0.5; 3.5	14.8 +- 2.6
16	113	5.0	12.6 +- 0.4; 1.9	11.4 +- 0.4; 3.2	11.7 +- 1.5
17	133	5.5	13.4 +- 0.4; 2.0	12.2 +- 0.5; 3.3	13.2 +- 3.0
18	74	8.1	12.9 +- 0.4; 1.9	11.8 +- 0.4; 3.3	12.1 +- 2.6
19	127	7.6	13.7 +- 0.4; 2.1	12.5 +- 0.5; 3.3	12.5 +- 2.4
20	150	12.0	12.4 +- 0.4; 1.9	11.3 +- 0.4; 3.2	11.6 +- 2.4
21	159	13.0	13.3 +- 0.4; 2.0	12.1 +- 0.5; 3.3	12.7 +- 2.6
22	150	13.0	13.4 +- 0.4; 2.0	12.3 +- 0.5; 3.3	12.4 +- 2.7
23	150	21.0	11.7 +- 0.4; 1.8	10.6 +- 0.4; 3.2	13.3 +- 3.8
24	150	21.0	13.0 +- 0.4; 2.0	11.9 +- 0.4; 3.3	11.5 +- 2.5
25	56	6.1	12.9 +- 0.4; 1.9	11.7 +- 0.4; 3.2	14.0 +- 3.4
26	357	5.2	13.9 +- 0.4; 2.1	12.7 +- 0.5; 3.3	13.3 +- 2.4
27	90	13.0	13.0 +- 0.4; 2.0	11.9 +- 0.4; 3.3	12.7 +- 2.6
28	140	4.8	13.8 +- 0.4; 2.1	12.6 +- 0.5; 3.3	13.1 +- 2.3

Transit Dose = 0.6 +- 0.3; 2.8



CRYSTAL RIVER  
For the period 950314-950713

TLD Direct Radiation Environmental Monitoring

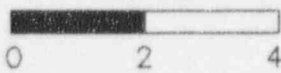
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	13.1 +- 0.5	2
11.26 - 33.75 NNE	12.4 +- 0.0	1
33.76 - 56.25 NE	11.7 +- 0.0	1
56.26 - 78.75 ENE	11.7 +- 0.2	2
78.76 - 101.25 E	12.6 +- 1.4	4
101.26 - 123.75 ESE	11.4 +- 0.0	1
123.76 - 146.25 SE	12.4 +- 0.2	3
146.26 - 168.75 SSE	11.7 +- 0.6	2
168.76 - 191.25 S	No Data +- No Data	0
191.26 - 213.75 SSW	No Data +- No Data	0
213.76 - 236.25 SW	No Data +- No Data	0
236.26 - 258.75 WSW	No Data +- No Data	0
258.76 - 281.25 W	No Data +- No Data	0
281.26 - 303.75 WNW	No Data +- No Data	0
303.76 - 326.25 NW	No Data +- No Data	0
326.26 - 348.75 NNW	12.7 +- 0.9	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	14.6 +- 0.0	1
2 - 5	12.1 +- 0.7	7
> 5	12.2 +- 0.6	10
Upwind Control	11.6 +- 0.9	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 950313-950711 121 Days

Field Time: 89 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	50	0.6	14.4	+- 0.4; 2.2	13.4	+- 0.5; 3.5	12.3	+- 1.5
2	86	0.9	16.3	+- 0.5; 2.4	15.3	+- 0.6; 3.7	13.6	+- 1.6
3	116	1.4	14.8	+- 0.4; 2.2	13.7	+- 0.5; 3.5	12.9	+- 1.6
4	172	0.8	17.2	+- 0.5; 2.6	16.2	+- 0.6; 3.8	15.7	+- 2.0
5	200	1.5	23.1	+- 0.7; 3.5	22.2	+- 0.7; 4.4	19.2	+- 2.1
6	226	1.0	19.2	+- 0.6; 2.9	18.3	+- 0.6; 4.0	16.1	+- 1.4
7	249	1.5	18.7	+- 0.6; 2.8	17.7	+- 0.6; 3.9	16.9	+- 1.7
8	267	1.8	19.1	+- 0.6; 2.9	18.2	+- 0.6; 4.0	17.1	+- 1.7
9	285	1.8	19.7	+- 0.6; 2.9	18.7	+- 0.7; 4.0	17.3	+- 1.7
10	306	1.5	16.0	+- 0.5; 2.4	15.0	+- 0.5; 3.6	14.9	+- 1.8
11	344	0.9	16.0	+- 0.5; 2.4	15.0	+- 0.6; 3.6	14.4	+- 1.3
12	142	4.5	20.8	+- 0.6; 3.1	19.8	+- 0.7; 4.2	18.1	+- 1.9
13	158	4.0	21.4	+- 0.6; 3.2	20.4	+- 0.7; 4.2	19.1	+- 2.1
14	180	3.8	18.1	+- 0.5; 2.7	17.1	+- 0.6; 3.9	16.1	+- 1.8
15	207	4.8	20.5	+- 0.6; 3.1	19.5	+- 0.7; 4.1	17.2	+- 2.3
16	225	4.5	19.8	+- 0.6; 3.0	18.8	+- 0.7; 4.0	17.3	+- 1.8
17	254	2.7	22.6	+- 0.7; 3.4	21.7	+- 0.7; 4.4	20.6	+- 2.0
18	269	3.0	19.0	+- 0.6; 2.8	18.0	+- 0.6; 4.0	17.6	+- 1.8
19	295	5.3	22.0	+- 0.7; 3.3	21.1	+- 0.7; 4.3	19.4	+- 2.0
20	25	0.5	15.1	+- 0.5; 2.3	14.1	+- 0.5; 3.5	12.4	+- 2.0
21	132	9.7	18.7	+- 0.6; 2.8	17.7	+- 0.6; 3.9	16.7	+- 1.6
22	210	6.5	18.4	+- 0.6; 2.8	17.4	+- 0.6; 3.9	17.5	+- 3.5

Transit Dose = 1.2 +- 0.3; 2.7

DAVIS BESSE  
For the period 950313-950711

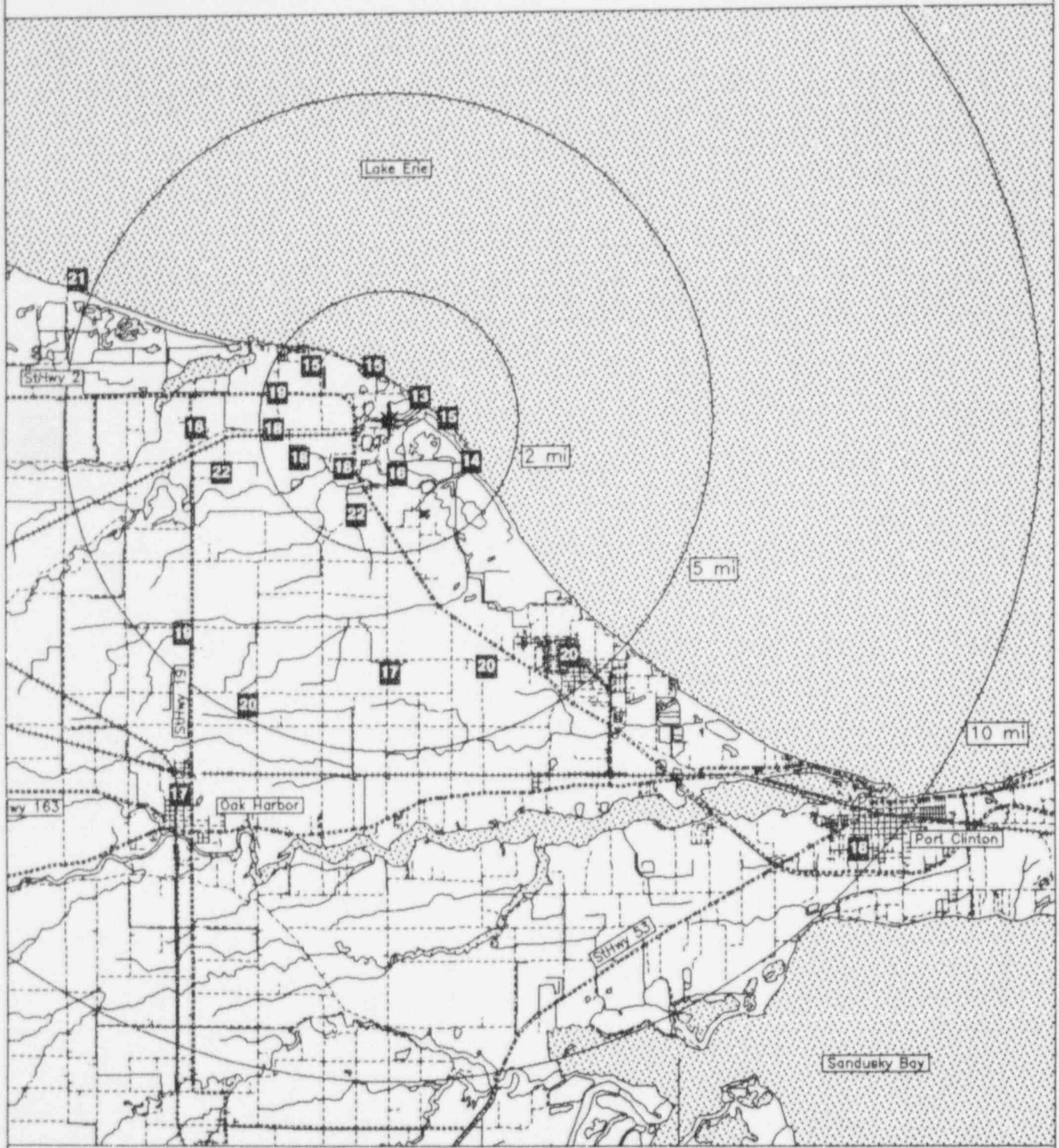
TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	No Data +- No Data	0
11.26 - 33.75 NNE	14.1 +- 0.0	1
33.76 - 56.25 NE	13.4 +- 0.0	1
56.26 - 78.75 ENE	No Data +- No Data	0
78.76 - 101.25 E	15.3 +- 0.0	1
101.26 - 123.75 ESE	13.7 +- 0.0	1
123.76 - 146.25 SE	19.8 +- 0.0	1
146.26 - 168.75 SSE	20.4 +- 0.0	1
168.76 - 191.25 S	16.6 +- 0.6	2
191.26 - 213.75 SSW	20.8 +- 1.9	2
213.76 - 236.25 SW	18.5 +- 0.4	2
236.26 - 258.75 WSW	19.7 +- 2.8	2
258.76 - 281.25 W	18.1 +- 0.1	2
281.26 - 303.75 WNW	19.9 +- 1.7	2
303.76 - 326.25 NW	15.0 +- 0.0	1
326.26 - 348.75 NNW	15.0 +- 0.0	1

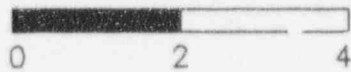
Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	16.5 +- 2.6	12
2 - 5	19.3 +- 1.5	7
> 5	21.1 +- 0.0	1
Upwind Control	17.6 +- 0.2	2








# 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 950313-950725 135 Days

Field Time: 97 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)	Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	54 1.7	17.8 +- 0.5; 2.7	12.9 +- 0.6; 3.8	14.1 +- 1.6
2	67 1.3	21.6 +- 0.6; 3.2	16.4 +- 0.7; 4.2	16.3 +- 2.3
3	89 1.1	17.0 +- 0.5; 2.5	12.1 +- 0.6; 3.7	13.1 +- 1.8
4	58 0.7	17.4 +- 0.5; 2.6	12.5 +- 0.6; 3.8	13.1 +- 1.8
5	19 2.3	18.7 +- 0.6; 2.8	13.7 +- 0.6; 3.9	13.7 +- 1.2
6	111 1.6	Missing Dosimeter	No Net Data	13.8 +- 1.7
7	135 1.5	17.8 +- 0.5; 2.7	12.8 +- 0.6; 3.8	13.4 +- 1.7
8	158 1.4	22.4 +- 0.7; 3.4	17.1 +- 0.7; 4.3	15.7 +- 2.5
9	171 1.9	17.9 +- 0.5; 2.7	12.9 +- 0.6; 3.8	13.2 +- 1.6
10	199 1.5	18.5 +- 0.6; 2.8	13.5 +- 0.6; 3.9	13.4 +- 1.4
11	195 3.9	17.5 +- 0.5; 2.6	12.6 +- 0.6; 3.8	13.3 +- 1.4
12	200 6.6	17.6 +- 0.5; 2.6	12.7 +- 0.6; 3.8	14.0 +- 1.6
13	179 3.9	21.9 +- 0.7; 3.3	16.7 +- 0.7; 4.2	16.4 +- 1.6
14	151 4.4	21.3 +- 0.6; 3.2	16.1 +- 0.7; 4.2	17.3 +- 1.6
15	130 4.6	23.8 +- 0.7; 3.6	18.4 +- 0.7; 4.4	17.7 +- 1.6
16	110 3.7	21.0 +- 0.6; 3.2	15.8 +- 0.7; 4.1	15.2 +- 1.5
17	88 3.6	18.9 +- 0.6; 2.8	13.9 +- 0.6; 3.9	14.4 +- 1.5
18	67 3.8	19.8 +- 0.6; 3.0	14.7 +- 0.6; 4.0	14.7 +- 2.1
19	24 3.8	16.7 +- 0.5; 2.5	11.8 +- 0.6; 3.7	13.4 +- 2.0
20	43 3.3	21.0 +- 0.6; 3.2	15.8 +- 0.7; 4.1	16.0 +- 2.8
21	26 9.9	23.3 +- 0.7; 3.5	18.0 +- 0.7; 4.4	17.5 +- 3.4
22	121 18.0	20.0 +- 0.6; 3.0	14.8 +- 0.6; 4.0	14.3 +- 1.3
23	121 18.0	20.1 +- 0.6; 3.0	14.9 +- 0.6; 4.0	14.6 +- 1.6
24	121 18.0	18.6 +- 0.6; 2.8	13.6 +- 0.6; 3.9	16.2 +- 2.3

Transit Dose = 4.0 +- 0.4; 3.1

DC COOK

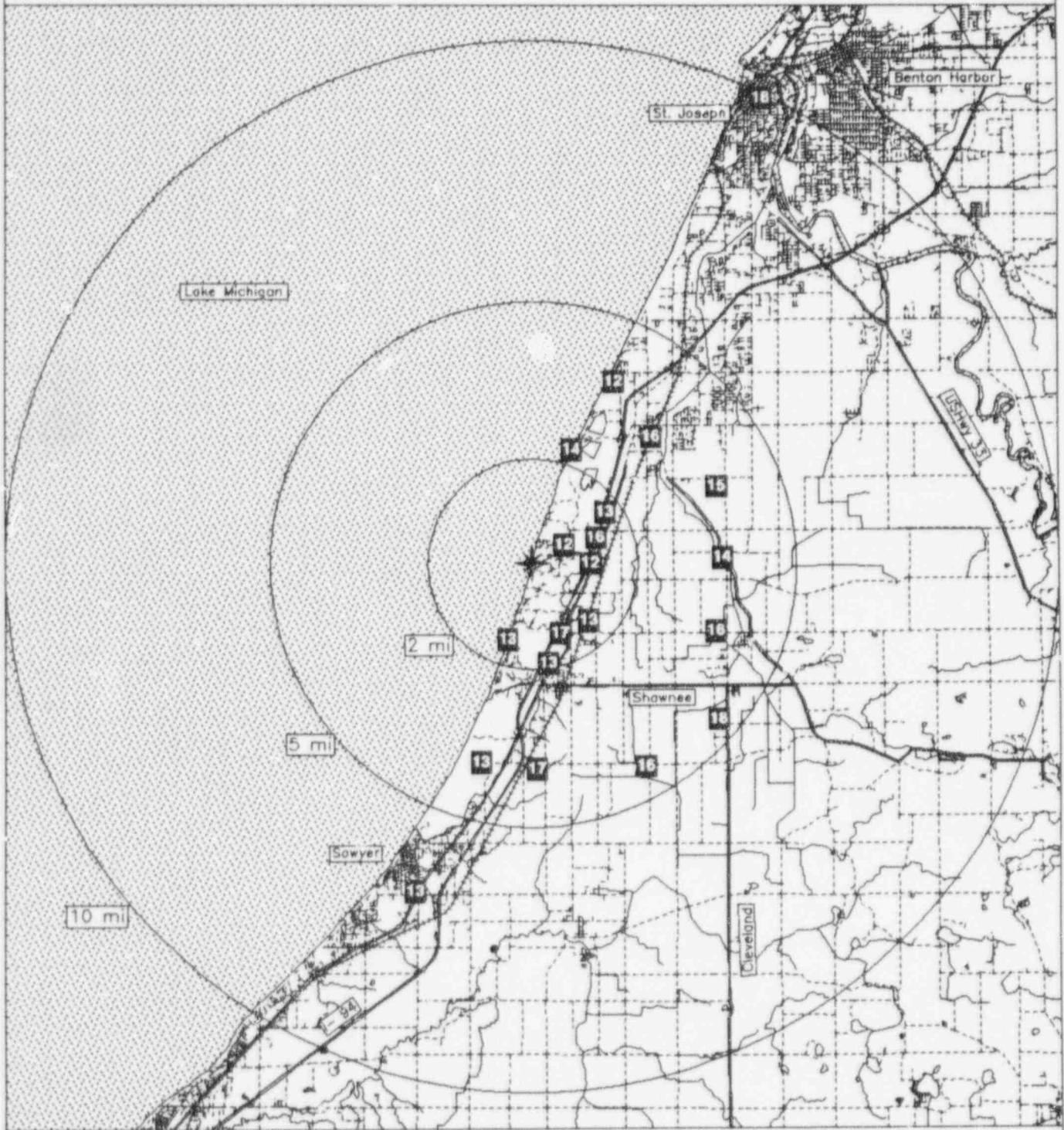
For the period 950313-950725

## TLD Direct Radiation Environmental Monitoring

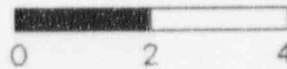
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	No Data +- No Data	0
11.26 - 33.75 NNE	14.5 +- 3.2	3
33.76 - 56.25 NE	14.3 +- 2.1	2
56.26 - 78.75 ENE	14.5 +- 2.0	3
78.76 - 101.25 E	13.0 +- 1.3	2
101.26 - 123.75 ESE	15.8 +- 0.0	1
123.76 - 146.25 SE	15.6 +- 3.9	2
146.26 - 168.75 SSE	16.6 +- 0.7	2
168.76 - 191.25 S	14.8 +- 2.7	2
191.26 - 213.75 SSW	12.9 +- 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	13.8 +- 1.9	8
2 - 5	14.9 +- 2.0	10
> 5	15.3 +- 3.7	2
Upwind Control	14.5 +- 0.7	3

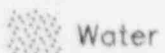
# NRC TLD DOSES FOR D.C. COOK AREA



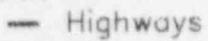
Miles



### Legend



Water



Highways



Railroads



Roads



Plant site



## DIABLO CANYON

TLD Direct Radiation Environmental Monitoring

For the period 950312-950727 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	132	0.9	28.3 +- 0.8; 4.2	22.8 +- 1.0; 5.4	23.2 +- 1.6
2	119	3.9	25.6 +- 0.8; 3.8	20.0 +- 0.9; 5.1	21.0 +- 1.5
3	107	7.2	23.6 +- 0.7; 3.5	17.9 +- 0.8; 4.8	19.5 +- 1.5
4	111	10.3	22.9 +- 0.7; 3.4	17.2 +- 0.8; 4.8	18.7 +- 1.6
5	115	13.9	24.3 +- 0.7; 3.6	18.6 +- 0.9; 4.9	19.8 +- 1.7
6	68	9.4	Missing Dosimeter	No Net Data	18.2 +- 1.7
7	359	11.1	21.8 +- 0.7; 3.3	16.1 +- 0.8; 4.6	16.2 +- 2.3
8	359	6.6	18.8 +- 0.6; 2.8	13.0 +- 0.7; 4.3	14.5 +- 1.7
9	339	4.8	18.4 +- 0.6; 2.8	12.5 +- 0.7; 4.3	13.5 +- 1.4
10	327	3.6	18.7 +- 0.6; 2.8	12.9 +- 0.7; 4.3	14.6 +- 2.5
11	325	1.2	20.0 +- 0.6; 3.0	14.1 +- 0.7; 4.4	14.4 +- 1.7
12	36	20.7	25.3 +- 0.8; 3.8	19.7 +- 0.9; 5.1	21.0 +- 1.4
13	36	20.7	25.4 +- 0.8; 3.8	19.8 +- 0.9; 5.1	20.7 +- 1.9
14	36	20.7	28.1 +- 0.8; 4.2	22.6 +- 1.0; 5.4	21.2 +- 1.5

Transit Dose = 6.3 +- 0.4; 3.1

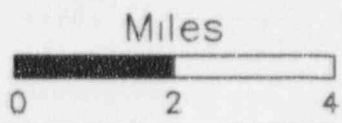
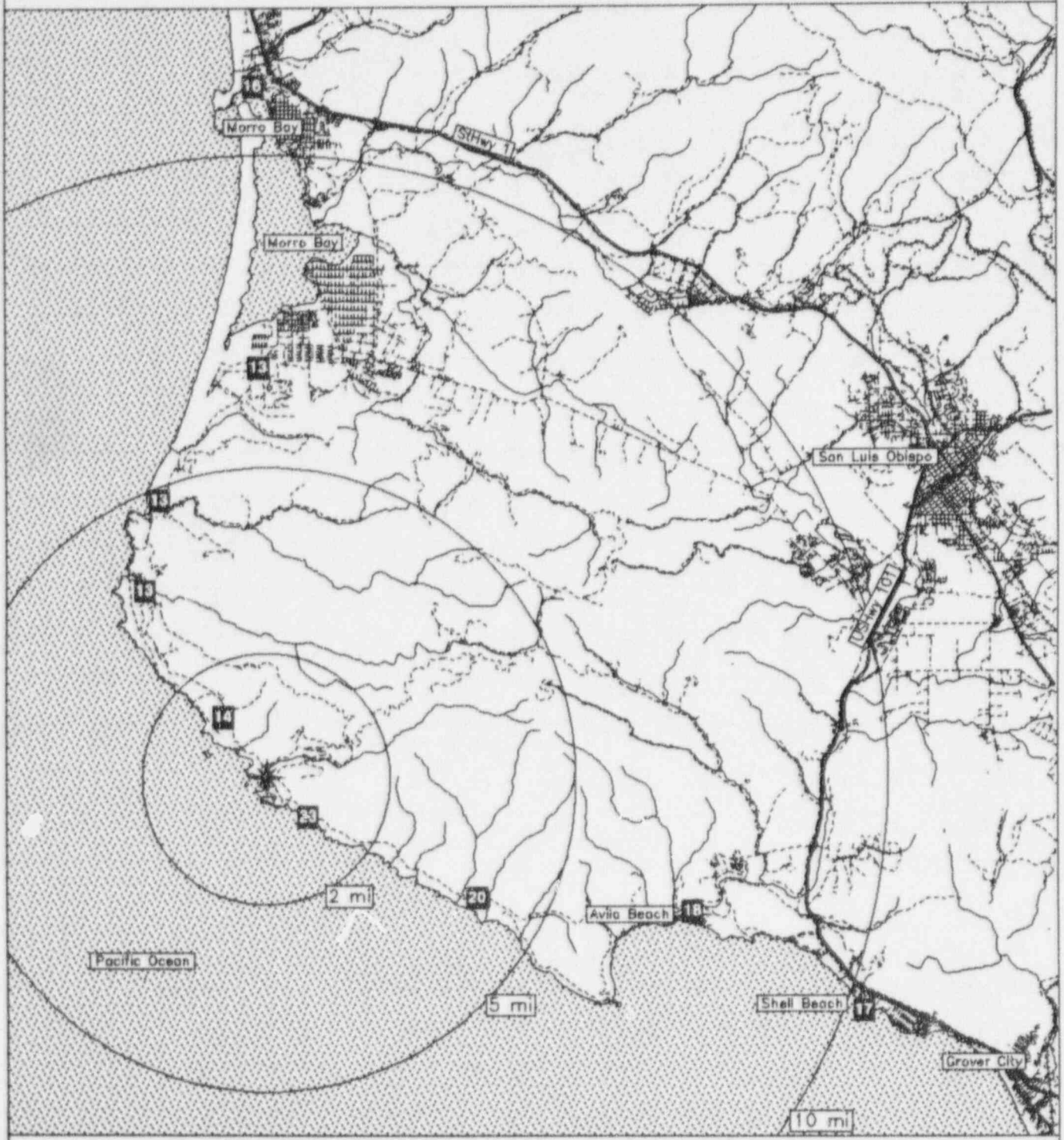
DIABLO CANYON  
For the period 950312-950727

## TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	14.5 +- 2.2	2
11.26 - 33.75 NNE	No Data +- No Data	0
33.76 - 56.25 NE	No Data +- No Data	0
56.26 - 78.75 ENE	No Data +- No Data	0
78.76 - 101.25 E	No Data +- No Data	0
101.26 - 123.75 ESE	18.4 +- 1.2	4
123.76 - 146.25 SE	22.8 +- 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	14.1 +- 0.0	1
326.26 - 348.75 NNW	12.7 +- 0.2	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	18.5 +- 6.1	2
2 - 5	15.1 +- 4.2	3
> 5	16.5 +- 2.2	5
Upwind Control	20.7 +- 1.6	3

# NRC TLD DOSES FOR DIABLO CANYON AREA



### Legend

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

## DRESDEN

TLD Direct Radiation Environmental Monitoring

For the period 950313-950726 136 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	70	4.2	23.1 +- 0.7; 3.5	17.5 +- 0.7; 4.2	17.0 +- 1.8
2	76	3.9	19.7 +- 0.6; 3.0	14.4 +- 0.6; 3.9	16.3 +- 2.5
3	108	3.2	21.5 +- 0.6; 3.2	16.0 +- 0.7; 4.1	17.2 +- 1.6
4	142	1.3	19.4 +- 0.6; 2.9	14.1 +- 0.6; 3.9	14.3 +- 1.7
5	115	1.5	19.2 +- 0.6; 2.9	13.9 +- 0.6; 3.8	14.3 +- 1.7
6	180	1.9	21.3 +- 0.6; 3.2	15.9 +- 0.7; 4.0	17.3 +- 2.1
7	179	0.5	21.5 +- 0.6; 3.2	16.0 +- 0.7; 4.1	16.5 +- 1.6
8	180	0.7	18.7 +- 0.6; 2.8	13.5 +- 0.6; 3.8	14.3 +- 1.4
9	253	0.5	Missing Dosimeter	No Net Data	17.9 +- 1.6
10	254	1.3	31.7 +- 1.0; 4.8	25.1 +- 0.9; 5.1	23.6 +- 3.7
11	250	1.5	20.2 +- 0.6; 3.0	14.8 +- 0.6; 3.9	14.9 +- 2.3
12	263	2.1	23.2 +- 0.7; 3.5	17.5 +- 0.7; 4.2	17.8 +- 1.5
13	180	4.0	17.8 +- 0.5; 2.7	12.7 +- 0.6; 3.7	13.7 +- 1.5
14	158	4.8	21.1 +- 0.6; 3.2	15.6 +- 0.6; 4.0	14.8 +- 1.6
15	137	4.2	18.4 +- 0.6; 2.8	13.2 +- 0.6; 3.8	15.0 +- 2.1
16	134	8.4	21.1 +- 0.6; 3.2	15.6 +- 0.6; 4.0	14.5 +- 1.1
17	189	7.4	21.0 +- 0.6; 3.2	15.6 +- 0.6; 4.0	15.6 +- 1.6
18	203	4.1	17.6 +- 0.5; 2.6	12.5 +- 0.6; 3.7	13.5 +- 2.4
19	231	4.0	21.4 +- 0.6; 3.2	15.9 +- 0.7; 4.0	18.3 +- 2.4
20	244	6.4	20.9 +- 0.6; 3.1	15.4 +- 0.6; 4.0	16.1 +- 1.8
21	258	8.6	22.6 +- 0.7; 3.4	16.9 +- 0.7; 4.2	16.8 +- 1.7
22	269	4.4	20.6 +- 0.6; 3.1	15.2 +- 0.6; 4.0	14.5 +- 1.5
23	295	3.3	20.9 +- 0.6; 3.1	15.5 +- 0.6; 4.0	15.2 +- 1.5
24	311	3.9	21.8 +- 0.7; 3.3	16.3 +- 0.7; 4.1	16.0 +- 1.8
25	340	4.7	25.6 +- 0.8; 3.8	19.6 +- 0.8; 4.5	18.7 +- 2.2
26	7	4.4	21.0 +- 0.6; 3.1	15.5 +- 0.6; 4.0	15.5 +- 1.8
27	355	2.0	26.5 +- 0.8; 4.0	20.4 +- 0.8; 4.6	20.3 +- 1.9
28	327	1.7	27.8 +- 0.8; 4.2	21.6 +- 0.8; 4.7	20.7 +- 1.9
29	318	1.4	23.8 +- 0.7; 3.6	18.0 +- 0.7; 4.3	17.9 +- 2.2
30	295	2.0	19.4 +- 0.6; 2.9	14.1 +- 0.6; 3.9	15.1 +- 2.5
31	30	1.5	25.3 +- 0.8; 3.8	19.4 +- 0.7; 4.4	19.3 +- 2.2
32	48	1.9	26.9 +- 0.8; 4.0	20.8 +- 0.8; 4.6	20.6 +- 2.1
33	76	1.4	23.3 +- 0.7; 3.5	17.6 +- 0.7; 4.2	18.9 +- 2.3
34	90	1.4	22.3 +- 0.7; 3.4	16.7 +- 0.7; 4.1	18.1 +- 3.5
35	26	4.5	22.7 +- 0.7; 3.4	17.1 +- 0.7; 4.2	17.4 +- 2.0
36	42	3.6	20.8 +- 0.6; 3.1	15.4 +- 0.6; 4.0	15.9 +- 2.2
37	52	11.5	22.6 +- 0.7; 3.4	17.0 +- 0.7; 4.2	16.7 +- 2.6
38	274	21.5	17.8 +- 0.5; 2.7	12.7 +- 0.6; 3.7	17.7 +- 2.5
39	274	21.5	22.9 +- 0.7; 3.4	17.2 +- 0.7; 4.2	17.5 +- 2.2
40	275	21.5	Missing Dosimeter	No Net Data	19.0 +- 2.8

Transit Dose = 3.6 +- 0.4; 3.2



DRESDEN

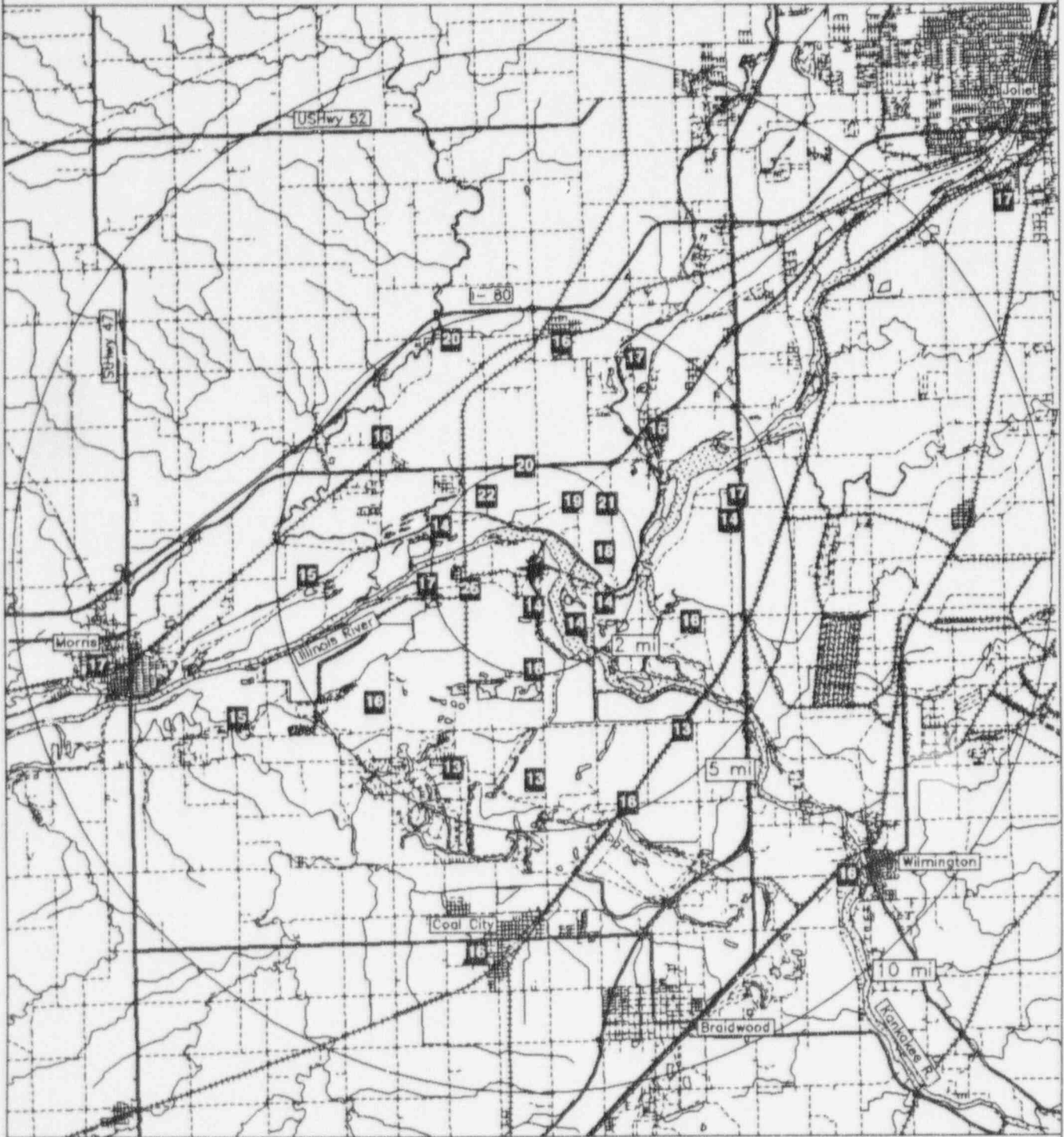
For the period 950313-950726

## TLD Direct Radiation Environmental Monitoring

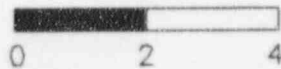
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	18.0 +- 3.5	2
11.26 - 33.75 NNE	18.2 +- 1.6	2
33.76 - 56.25 NE	17.7 +- 2.8	3
56.26 - 78.75 ENE	16.5 +- 1.8	3
78.76 - 101.25 E	16.7 +- 0.0	1
101.26 - 123.75 ESE	15.0 +- 1.5	2
123.76 - 146.25 SE	14.3 +- 1.2	3
146.26 - 168.75 SSE	15.6 +- 0.0	1
168.76 - 191.25 S	14.7 +- 1.5	5
191.26 - 213.75 SSW	12.5 +- 0.0	1
213.76 - 236.25 SW	15.9 +- 0.0	1
236.26 - 258.75 WSW	18.1 +- 4.8	4
258.76 - 281.25 W	16.3 +- 1.6	2
281.26 - 303.75 WNW	14.8 +- 1.0	2
303.76 - 326.25 NW	17.1 +- 1.2	2
326.26 - 348.75 NNW	20.6 +- 1.4	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	17.5 +- 3.4	15
2 - 5	15.6 +- 1.9	16
> 5	16.1 +- 0.8	5
Upwind Control	15.0 +- 3.2	2

# NRC 1LD DOSES FOR DRESDEN AREA



Miles



## Legend



Water



Highways

--- Railroads

--- Roads



Plant..site

DUANE ARNOLD

TLD Direct Radiation Environmental Monitoring

For the period 950313-950711 121 Days

Field Time: 100 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	163	9.7	19.0	+- 0.6; 2.9	17.1	+- 0.5; 3.6	16.5	+- 1.8
2	170	6.2	19.7	+- 0.6; 3.0	17.8	+- 0.6; 3.7	18.6	+- 1.6
3	180	3.5	16.3	+- 0.5; 2.4	14.6	+- 0.5; 3.4	15.3	+- 1.2
4	216	2.9	21.6	+- 0.6; 3.2	19.5	+- 0.6; 3.9	18.7	+- 2.1
5	201	2.5	17.8	+- 0.5; 2.7	16.0	+- 0.5; 3.5	15.1	+- 1.5
6	213	1.0	19.9	+- 0.6; 3.0	17.9	+- 0.6; 3.7	17.0	+- 1.7
7	248	1.0	21.6	+- 0.6; 3.2	19.4	+- 0.6; 3.9	18.8	+- 1.8
8	279	1.0	20.5	+- 0.6; 3.1	18.4	+- 0.6; 3.8	18.4	+- 1.8
9	298	1.0	22.7	+- 0.7; 3.4	20.4	+- 0.6; 4.0	19.5	+- 2.1
10	320	1.5	21.7	+- 0.7; 3.3	19.6	+- 0.6; 3.9	18.7	+- 1.9
11	343	1.0	22.7	+- 0.7; 3.4	20.4	+- 0.6; 4.0	19.3	+- 1.9
12	359	1.2	20.7	+- 0.6; 3.1	18.6	+- 0.6; 3.8	18.1	+- 1.6
13	237	0.5	20.1	+- 0.6; 3.0	18.1	+- 0.6; 3.7	17.3	+- 1.7
14	259	3.9	20.0	+- 0.6; 3.0	18.0	+- 0.6; 3.7	17.9	+- 2.0
15	272	5.0	16.4	+- 0.5; 2.5	14.8	+- 0.5; 3.4	15.0	+- 1.5
16	285	5.0	18.3	+- 0.5; 2.7	16.5	+- 0.5; 3.6	16.7	+- 1.6
17	308	4.5	19.8	+- 0.6; 3.0	17.8	+- 0.6; 3.7	18.7	+- 1.9
18	340	4.5	15.1	+- 0.5; 2.3	13.6	+- 0.4; 3.3	15.6	+- 1.5
19	291	15.0	19.1	+- 0.6; 2.9	17.2	+- 0.5; 3.6	17.0	+- 1.5
20	291	15.0	19.4	+- 0.6; 2.9	17.5	+- 0.6; 3.7	17.7	+- 1.7
21	291	15.0	19.0	+- 0.6; 2.8	17.1	+- 0.5; 3.6	16.5	+- 1.7
22	358	6.1	18.1	+- 0.5; 2.7	16.3	+- 0.5; 3.5	15.8	+- 1.4
23	7	2.9	17.3	+- 0.5; 2.6	15.5	+- 0.5; 3.5	15.2	+- 1.5
24	28	3.0	21.3	+- 0.6; 3.2	19.2	+- 0.6; 3.8	18.6	+- 1.8
25	39	3.5	20.3	+- 0.6; 3.0	18.3	+- 0.6; 3.7	17.2	+- 1.5
26	64	3.8	19.8	+- 0.6; 3.0	17.9	+- 0.6; 3.7	17.7	+- 1.4
27	50	1.9	18.0	+- 0.5; 2.7	16.2	+- 0.5; 3.5	15.6	+- 1.5
28	72	2.3	18.7	+- 0.6; 2.8	16.9	+- 0.5; 3.6	17.2	+- 1.4
29	91	3.0	17.3	+- 0.5; 2.6	15.6	+- 0.5; 3.5	15.5	+- 1.5
30	93	1.8	21.7	+- 0.7; 3.3	19.6	+- 0.6; 3.9	19.0	+- 1.5
31	113	2.0	21.8	+- 0.7; 3.3	19.7	+- 0.6; 3.9	19.1	+- 1.5
32	141	1.6	17.3	+- 0.5; 2.6	15.6	+- 0.5; 3.5	15.4	+- 1.5
33	153	1.5	20.6	+- 0.6; 3.1	18.6	+- 0.6; 3.8	17.7	+- 1.8
34	177	1.2	16.4	+- 0.5; 2.5	14.8	+- 0.5; 3.4	15.6	+- 2.4
35	153	4.2	17.0	+- 0.5; 2.6	15.3	+- 0.5; 3.4	15.0	+- 1.5
36	135	4.1	19.2	+- 0.6; 2.9	17.2	+- 0.5; 3.6	16.3	+- 1.3
37	111	4.6	20.6	+- 0.6; 3.1	18.5	+- 0.6; 3.8	18.7	+- 1.7
38	123	5.1	18.8	+- 0.6; 2.8	16.9	+- 0.5; 3.6	18.5	+- 1.6
39	132	7.0	18.0	+- 0.5; 2.7	16.2	+- 0.5; 3.5	15.7	+- 1.4
40	139	7.6	18.3	+- 0.5; 2.7	16.5	+- 0.5; 3.6	16.6	+- 1.5

Transit Dose = 0.0 +- 0.2; 2.8

DUANE ARNOLD  
For the period 950313-950711

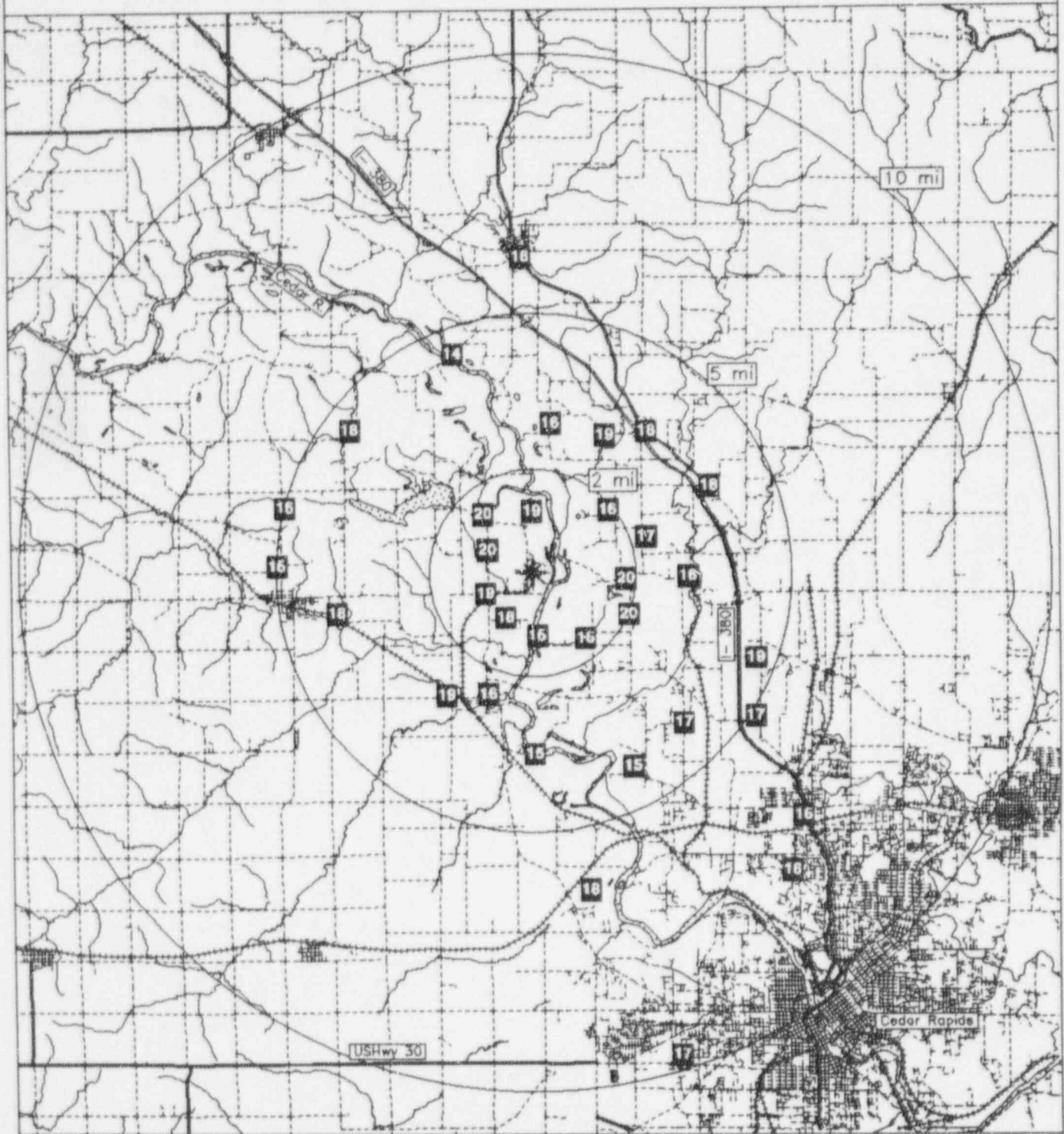
TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	16.8 +- 1.6	3
11.26 - 33.75 NNE	19.2 +- 0.0	1
33.76 - 56.25 NE	17.2 +- 1.5	2
56.26 - 78.75 ENE	17.4 +- 0.7	2
78.76 - 101.25 E	17.5 +- 2.8	2
101.26 - 123.75 ESE	18.4 +- 1.4	3
123.76 - 146.25 SE	16.4 +- 0.7	4
146.26 - 168.75 SSE	17.0 +- 1.6	3
168.76 - 191.25 S	15.7 +- 1.8	3
191.26 - 213.75 SSW	16.9 +- 1.3	2
213.76 - 236.25 SW	19.5 +- 0.0	1
236.26 - 258.75 WSW	18.7 +- 1.0	2
258.76 - 281.25 W	17.1 +- 2.0	3
281.26 - 303.75 WNW	18.4 +- 2.8	2
303.76 - 326.25 NW	18.7 +- 1.3	2
326.26 - 348.75 NNW	17.0 +- 4.9	2

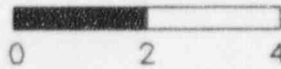
Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	18.4 +- 1.7	14
2 - 5	16.8 +- 1.7	17
> 5	16.8 +- 0.6	6
Upwind Control	17.3 +- 0.2	3



# NRC TLD DOSES FOR DUANE ARNOLD AREA



Miles



## Legend

Water

Highways

Railroads

Roads

Plant..site

## FARLEY

TLD Direct Radiation Environmental Monitoring

For the period 950314-950725 134 Days

Field Time: 84 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)	Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	268 15.0	17.9 +- 0.5; 2.7	15.9 +- 0.7; 4.1	14.0 +- 2.6
2	252 7.8	17.9 +- 0.5; 2.7	15.9 +- 0.7; 4.1	14.2 +- 2.5
3	217 6.1	19.7 +- 0.6; 3.0	17.9 +- 0.7; 4.3	15.4 +- 2.2
4	155 5.7	22.9 +- 0.7; 3.4	21.3 +- 0.8; 4.7	18.5 +- 2.3
5	170 5.1	19.7 +- 0.6; 3.0	17.9 +- 0.7; 4.3	15.3 +- 2.2
6	197 4.5	17.9 +- 0.5; 2.7	16.0 +- 0.7; 4.1	14.3 +- 2.2
7	191 2.4	21.1 +- 0.6; 3.2	19.4 +- 0.8; 4.4	17.7 +- 2.7
8	200 1.8	19.5 +- 0.6; 2.9	17.6 +- 0.7; 4.2	15.4 +- 2.3
9	220 1.2	18.4 +- 0.6; 2.8	16.4 +- 0.7; 4.1	13.8 +- 2.4
10	254 0.9	21.1 +- 0.6; 3.2	19.3 +- 0.7; 4.4	16.0 +- 2.2
11	300 0.9	21.6 +- 0.6; 3.2	19.9 +- 0.8; 4.5	15.9 +- 2.2
12	319 1.1	19.9 +- 0.6; 3.0	18.1 +- 0.7; 4.3	16.1 +- 2.5
13	338 1.3	18.8 +- 0.6; 2.8	16.9 +- 0.7; 4.2	14.4 +- 2.2
14	256 1.2	18.1 +- 0.5; 2.7	16.1 +- 0.7; 4.1	14.7 +- 2.4
15	16 1.3	23.9 +- 0.7; 3.6	22.4 +- 0.8; 4.8	20.0 +- 2.4
16	264 1.6	19.1 +- 0.6; 2.9	17.2 +- 0.7; 4.2	14.8 +- 2.3
17	253 3.5	21.0 +- 0.6; 3.2	19.3 +- 0.7; 4.4	16.9 +- 2.3
18	233 3.2	19.1 +- 0.6; 2.9	17.3 +- 0.7; 4.2	15.0 +- 2.2
19	267 4.5	20.0 +- 0.6; 3.0	18.1 +- 0.7; 4.3	16.1 +- 2.2
20	295 3.8	20.0 +- 0.6; 3.0	18.2 +- 0.7; 4.3	16.0 +- 2.5
21	315 4.6	18.9 +- 0.6; 2.8	17.0 +- 0.7; 4.2	14.4 +- 2.4
22	332 4.3	18.9 +- 0.6; 2.8	17.0 +- 0.7; 4.2	14.3 +- 2.2
23	251 4.8	18.9 +- 0.6; 2.8	17.0 +- 0.7; 4.2	13.8 +- 2.2
24	32 5.3	20.9 +- 0.6; 3.1	19.1 +- 0.7; 4.4	16.3 +- 2.2
25	54 6.2	18.1 +- 0.5; 2.7	16.1 +- 0.7; 4.1	14.1 +- 2.4
26	64 5.5	19.3 +- 0.6; 2.9	17.4 +- 0.7; 4.2	15.8 +- 2.3
27	88 4.7	19.2 +- 0.6; 2.9	17.4 +- 0.7; 4.2	15.5 +- 2.2
28	124 5.1	20.4 +- 0.6; 3.1	18.6 +- 0.7; 4.4	16.2 +- 2.3
29	153 4.1	19.7 +- 0.6; 3.0	17.9 +- 0.7; 4.3	15.4 +- 2.3
30	142 3.6	18.6 +- 0.6; 2.8	16.6 +- 0.7; 4.1	14.1 +- 2.1
31	130 3.0	16.9 +- 0.5; 2.5	14.8 +- 0.6; 3.9	13.2 +- 2.4
32	110 2.8	17.7 +- 0.5; 2.7	15.7 +- 0.7; 4.0	14.2 +- 2.5
33	78 2.6	17.5 +- 0.5; 2.6	15.6 +- 0.6; 4.0	14.0 +- 2.6
34	58 2.2	17.6 +- 0.5; 2.6	15.7 +- 0.7; 4.0	12.9 +- 2.3
35	34 2.4	23.1 +- 0.7; 3.5	21.5 +- 0.8; 4.7	19.1 +- 2.3
36	19 2.7	21.4 +- 0.6; 3.2	19.6 +- 0.8; 4.5	16.6 +- 2.2
37	284 10.0	19.9 +- 0.6; 3.0	18.1 +- 0.7; 4.3	15.5 +- 2.4
38	289 15.0	20.6 +- 0.6; 3.1	18.9 +- 0.7; 4.4	14.7 +- 3.3
39	293 15.0	Missing Dosimeter	No Net Data	16.5 +- 2.1

Transit Dose = 3.0 +- 0.3; 2.7

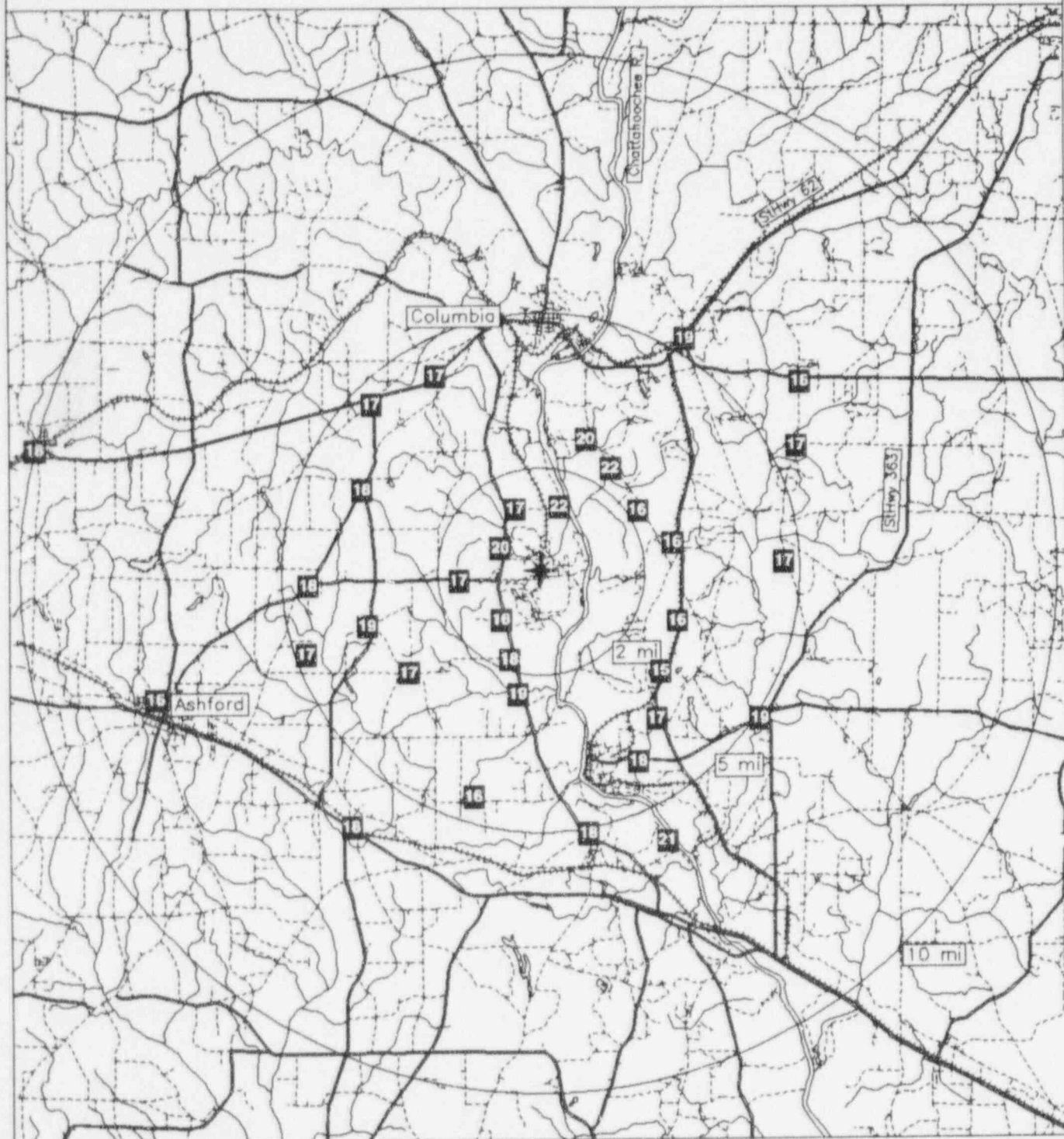
FARLEY  
For the period 950314-950725

TLD Direct Radiation Environmental Monitoring

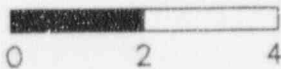
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	No Data +- No Data	0
11.26 - 33.75 NNE	20.4 +- 1.8	3
33.76 - 56.25 NE	18.8 +- 3.8	2
56.26 - 78.75 ENE	16.2 +- 1.0	3
78.76 - 101.25 E	17.4 +- 0.0	1
101.26 - 123.75 ESE	15.7 +- 0.0	1
123.76 - 146.25 SE	16.7 +- 1.9	3
146.26 - 168.75 SSE	19.6 +- 2.4	2
168.76 - 191.25 S	18.6 +- 1.1	2
191.26 - 213.75 SSW	16.8 +- 1.2	2
213.76 - 236.25 SW	17.2 +- 0.7	3
236.26 - 258.75 WSW	17.5 +- 1.7	5
258.76 - 281.25 W	17.1 +- 1.1	3
281.26 - 303.75 WNW	19.1 +- 1.2	2
303.76 - 326.25 NW	17.6 +- 0.7	2
326.26 - 348.75 NNW	16.9 +- 0.1	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	18.2 +- 2.0	9
2 - 5	17.4 +- 1.7	18
> 5	17.8 +- 1.8	9
Upwind Control	18.5 +- 0.5	2

# NRC TLD DOSES FOR FARLEY AREA



Miles



## Legend

— Highways

----- Railroads

----- Roads

★ Plant..site



FERMI

TLD Direct Radiation Environmental Monitoring

For the period 950313-950726 136 Days

Field Time: 91 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	38	2.1	17.4	+- 0.5; 2.6	10.8	+- 0.7; 4.1	12.9	+- 2.6
2	22	2.3	Damaged Dosimeter		No Net Data		14.6	+- 2.0
3	350	1.8	28.2	+- 0.8; 4.2	21.5	+- 0.9; 5.2	19.8	+- 1.7
4	345	1.9	22.4	+- 0.7; 3.4	15.7	+- 0.8; 4.6	15.7	+- 1.5
5	346	1.4	22.0	+- 0.7; 3.3	15.3	+- 0.8; 4.5	16.7	+- 1.6
6	310	1.3	23.1	+- 0.7; 3.5	16.4	+- 0.8; 4.7	16.8	+- 1.9
7	298	1.4	23.2	+- 0.7; 3.5	16.6	+- 0.8; 4.7	16.5	+- 1.6
8	277	1.6	23.9	+- 0.7; 3.6	17.2	+- 0.8; 4.7	16.7	+- 1.0
9	238	1.0	21.6	+- 0.6; 3.2	14.9	+- 0.8; 4.5	15.1	+- 2.5
10	225	1.5	21.4	+- 0.6; 3.2	14.8	+- 0.8; 4.5	14.0	+- 1.3
11	193	0.8	22.5	+- 0.7; 3.4	15.9	+- 0.8; 4.6	16.4	+- 1.0
12	183	0.9	22.9	+- 0.7; 3.4	16.3	+- 0.8; 4.6	16.4	+- 1.2
13	175	0.8	22.7	+- 0.7; 3.4	16.0	+- 0.8; 4.6	15.9	+- 0.9
14	260	1.7	25.5	+- 0.8; 3.8	18.8	+- 0.9; 4.9	18.3	+- 1.3
15	245	2.5	21.0	+- 0.6; 3.1	14.3	+- 0.7; 4.4	15.1	+- 1.5
16	236	5.0	24.0	+- 0.7; 3.6	17.3	+- 0.8; 4.8	18.7	+- 1.1
17	225	6.8	18.7	+- 0.6; 2.8	12.1	+- 0.7; 4.2	13.2	+- 1.5
18	250	7.8	19.4	+- 0.6; 2.9	12.7	+- 0.7; 4.3	13.1	+- 1.3
19	277	6.0	19.8	+- 0.6; 3.0	13.2	+- 0.7; 4.3	13.7	+- 1.4
20	297	6.0	20.7	+- 0.6; 3.1	14.1	+- 0.7; 4.4	15.7	+- 1.9
21	320	3.8	22.7	+- 0.7; 3.4	16.0	+- 0.8; 4.6	15.9	+- 1.2
22	340	4.7	23.7	+- 0.7; 3.6	17.1	+- 0.8; 4.7	17.3	+- 1.2
23	358	4.3	22.9	+- 0.7; 3.4	16.2	+- 0.8; 4.6	17.8	+- 1.8
24	23	5.0	24.9	+- 0.7; 3.7	18.2	+- 0.8; 4.9	18.8	+- 1.4
25	25	7.0	17.8	+- 0.5; 2.7	11.2	+- 0.7; 4.1	13.7	+- 1.6
26	0	7.0	20.0	+- 0.6; 3.0	13.4	+- 0.7; 4.3	14.4	+- 1.6
27	342	8.0	23.2	+- 0.7; 3.5	16.5	+- 0.8; 4.7	15.8	+- 1.2
28	320	9.5	20.3	+- 0.6; 3.0	13.6	+- 0.7; 4.4	14.7	+- 1.1
29	290	11.0	21.4	+- 0.6; 3.2	14.7	+- 0.8; 4.5	17.0	+- 1.4
30	270	11.0	25.7	+- 0.8; 3.9	19.0	+- 0.9; 5.0	18.0	+- 1.7
31	245	10.0	22.5	+- 0.7; 3.4	15.8	+- 0.8; 4.6	15.0	+- 1.4
32	220	11.0	Missing Dosimeter		No Net Data		15.8	+- 1.5
33	270	15.0	20.0	+- 0.6; 3.0	13.3	+- 0.7; 4.3	14.3	+- 1.3
34	270	15.0	20.2	+- 0.6; 3.0	13.6	+- 0.7; 4.4	14.6	+- 1.2
35	290	16.0	20.9	+- 0.6; 3.1	14.3	+- 0.7; 4.4	15.6	+- 1.0
36	350	0.8	19.1	+- 0.6; 2.9	12.5	+- 0.7; 4.2	14.6	+- 2.7
37	330	0.7	21.5	+- 0.6; 3.2	14.9	+- 0.8; 4.5	15.6	+- 1.8
38	310	0.7	20.3	+- 0.6; 3.0	13.7	+- 0.7; 4.4	15.3	+- 2.4
39	23	10.0	Damaged Dosimeter		No Net Data		16.9	+- 2.0
40	0	9.0	25.6	+- 0.8; 3.8	18.9	+- 0.9; 4.9	17.8	+- 1.5
41	348	9.0	20.3	+- 0.6; 3.0	13.7	+- 0.7; 4.4	13.8	+- 1.5

Transit Dose = 6.5 +- 0.4; 3.2

FERMI

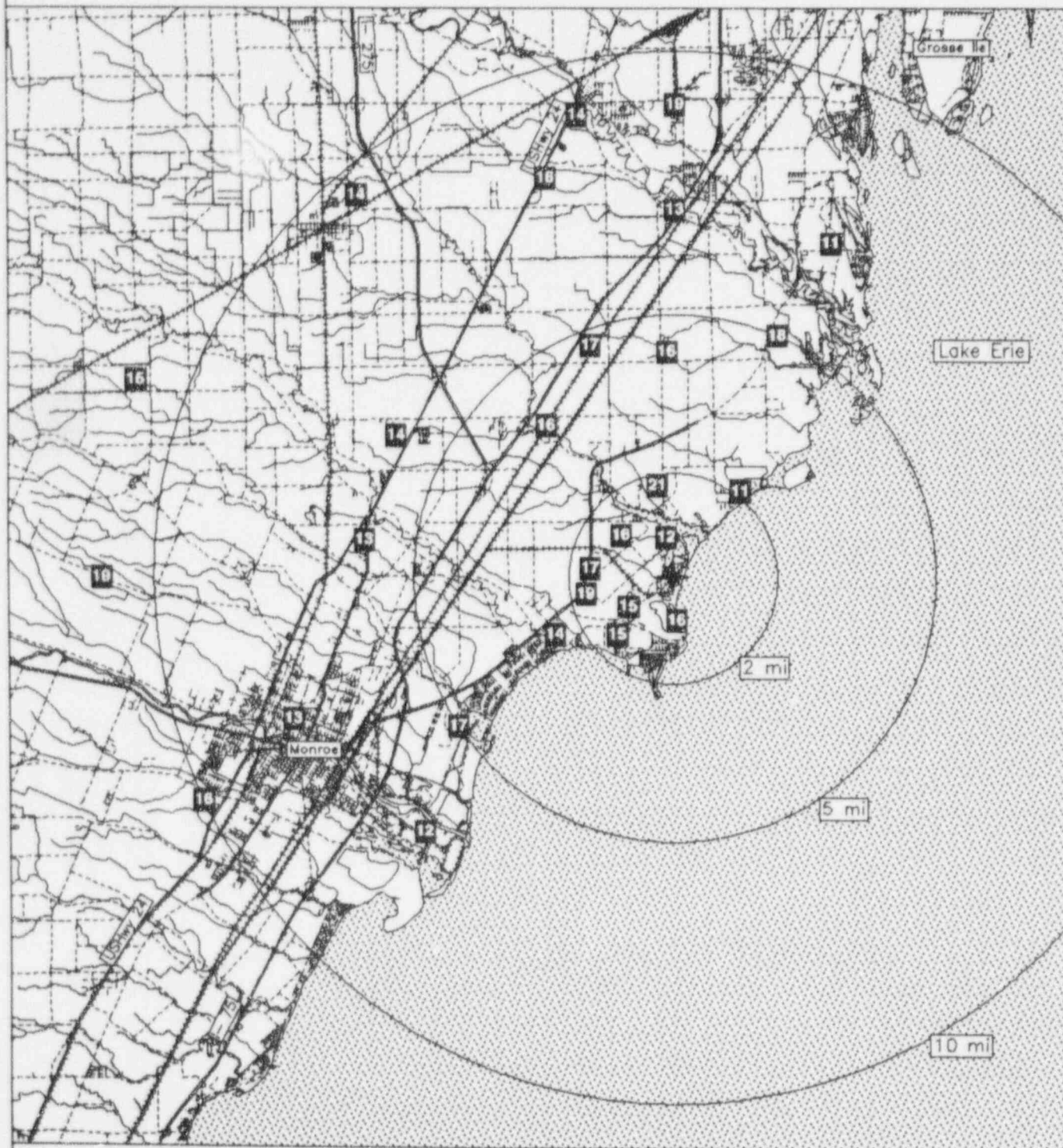
For the period 950313-950726

## TLD Direct Radiation Environmental Monitoring

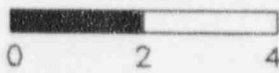
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	16.5 +- 3.8	5
11.26 - 33.75 NNE	14.7 +- 5.0	2
33.76 - 56.25 NE	10.8 +- 0.0	1
56.26 - 78.75 ENE	No Data +- No Data	0
78.76 - 101.25 E	No Data +- No Data	0
101.26 - 123.75 ESE	No Data +- No Data	0
123.76 - 146.25 SE	No Data +- No Data	0
146.26 - 168.75 SSE	No Data +- No Data	0
168.76 - 191.25 S	16.2 +- 0.2	2
191.26 - 213.75 SSW	15.9 +- 0.0	1
213.76 - 236.25 SW	14.7 +- 2.6	3
236.26 - 258.75 WSW	14.5 +- 1.3	4
258.76 - 281.25 W	17.0 +- 2.7	4
281.26 - 303.75 WNW	15.1 +- 1.3	3
303.76 - 326.25 NW	14.9 +- 1.5	4
326.26 - 348.75 NNW	15.5 +- 1.2	6

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	16.0 +- 2.1	15
2 - 5	15.7 +- 2.5	7
> 5	14.5 +- 2.4	13
Upwind Control	13.7 +- 0.5	3

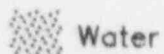
# NRC TLD DOSES FOR FERMI AREA



Miles



### Legend



Water

Highways

Railroads

Roads



Plant..site

FITZPATRICK/ NINE MI  
 TLD Direct Radiation Environmental Monitoring  
 For the period 950315-950725 133 Days  
 Field Time: 92 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)	Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	230 6.9	Missing Dosimeter	No Net Data	14.7 +- 1.4
2	184 14.0	20.2 +- 0.6; 3.0	16.3 +- 0.7; 4.1	15.7 +- 1.4
3	122 8.4	18.3 +- 0.5; 2.7	14.4 +- 0.6; 3.9	14.3 +- 1.6
4	76 11.0	18.0 +- 0.5; 2.7	14.2 +- 0.6; 3.9	14.9 +- 1.1
5	91 6.8	20.3 +- 0.6; 3.0	16.4 +- 0.7; 4.1	15.4 +- 1.6
6	112 4.3	18.8 +- 0.6; 2.8	15.0 +- 0.6; 4.0	15.0 +- 1.2
7	138 4.3	18.3 +- 0.5; 2.7	14.5 +- 0.6; 3.9	15.0 +- 1.3
8	152 3.6	18.3 +- 0.5; 2.7	14.5 +- 0.6; 3.9	14.9 +- 1.5
9	183 3.9	18.6 +- 0.6; 2.8	14.8 +- 0.6; 4.0	15.3 +- 1.1
10	205 4.5	18.3 +- 0.5; 2.7	14.4 +- 0.6; 3.9	14.2 +- 1.5
11	220 4.4	19.3 +- 0.6; 2.9	15.5 +- 0.7; 4.0	15.3 +- 1.2
12	230 6.1	18.8 +- 0.6; 2.8	14.9 +- 0.6; 4.0	15.4 +- 1.2
13	245 1.8	20.1 +- 0.6; 3.0	16.2 +- 0.7; 4.1	15.2 +- 1.3
14	223 1.8	19.5 +- 0.6; 2.9	15.7 +- 0.7; 4.1	14.6 +- 1.4
15	204 2.0	17.9 +- 0.5; 2.7	14.1 +- 0.6; 3.9	14.5 +- 1.4
16	181 1.8	18.1 +- 0.5; 2.7	14.3 +- 0.6; 3.9	14.8 +- 1.2
17	157 1.9	18.4 +- 0.6; 2.8	14.6 +- 0.6; 4.0	14.8 +- 1.3
18	137 1.6	19.2 +- 0.6; 2.9	15.4 +- 0.7; 4.0	14.6 +- 1.2
19	115 1.2	Missing Dosimeter	No Net Data	14.8 +- 1.5
20	92 1.1	19.7 +- 0.6; 2.9	15.8 +- 0.7; 4.1	15.3 +- 1.4
21	229 20.0	18.9 +- 0.6; 2.8	15.1 +- 0.6; 4.0	14.7 +- 1.4
22	229 20.0	19.3 +- 0.6; 2.9	15.5 +- 0.7; 4.0	14.4 +- 1.2
23	229 20.0	18.9 +- 0.6; 2.8	15.1 +- 0.6; 4.0	14.7 +- 1.2
24	196 8.0	19.7 +- 0.6; 3.0	15.9 +- 0.7; 4.1	14.3 +- 1.7
25	168 7.2	19.2 +- 0.6; 2.9	15.3 +- 0.6; 4.0	14.3 +- 1.2
26	152 0.6	21.1 +- 0.6; 3.2	17.2 +- 0.7; 4.2	16.0 +- 1.2

Transit Dose = 3.5 +- 0.3; 3.0



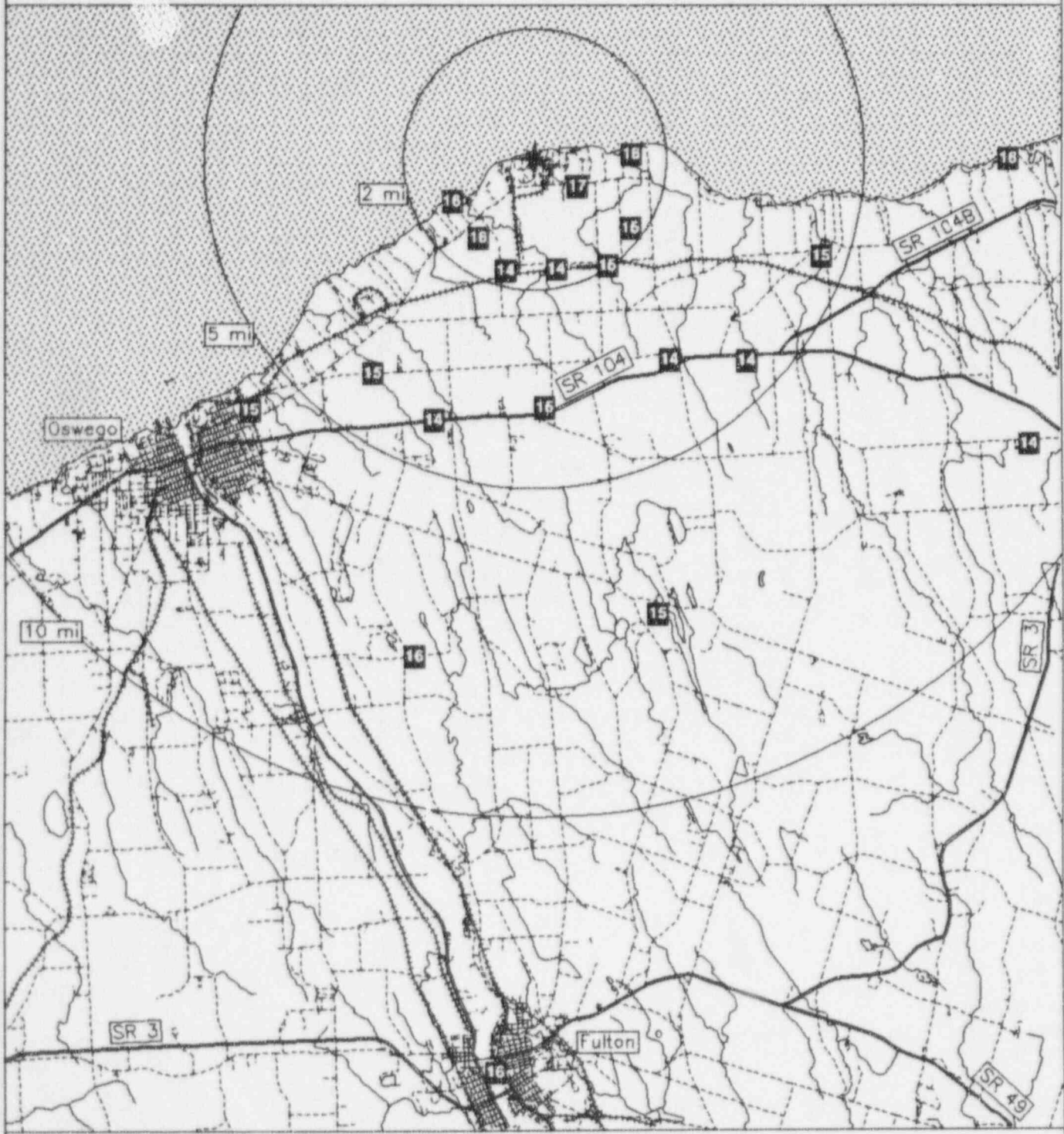
FITZPATRICK/ NINE MI  
For the period 930315-950725

TLD Direct Radiation Environmental Monitoring

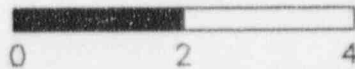
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	No Data +- No Data	0
11.26 - 33.75 NNE	No Data +- No Data	0
33.76 - 56.25 NE	No Data +- No Data	0
56.26 - 78.75 ENE	14.2 +- 0.0	1
78.76 - 101.25 E	16.1 +- 0.4	2
101.26 - 123.75 ESE	14.7 +- 0.4	2
123.76 - 146.25 SE	14.9 +- 0.7	2
146.26 - 168.75 SSE	15.4 +- 1.2	4
168.76 - 191.25 S	15.1 +- 1.0	3
191.26 - 213.75 SSW	14.8 +- 0.9	3
213.76 - 236.25 SW	15.4 +- 0.4	3
236.26 - 258.75 WSW	16.2 +- 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	15.4 +- 1.0	8
2 - 5	14.8 +- 0.4	6
> 5	15.4 +- 0.9	7
Upwind Control	15.2 +- 0.2	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 950312-950727 138 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	358 2.0	Missing Dosimeter	No Net Data	18.5 +- 1.4
2	351 4.6	25.1 +- 0.8; 3.8	19.9 +- 0.8; 4.4	19.2 +- 1.6
3	30 2.5	26.0 +- 0.8; 3.9	20.7 +- 0.8; 4.5	19.0 +- 1.6
4	27 4.6	24.3 +- 0.7; 3.6	19.2 +- 0.7; 4.4	19.9 +- 1.6
5	53 1.9	25.8 +- 0.8; 3.9	20.5 +- 0.8; 4.5	18.7 +- 1.7
6	37 3.9	26.5 +- 0.8; 4.0	21.2 +- 0.8; 4.6	19.6 +- 1.6
7	76 2.3	26.4 +- 0.8; 4.0	21.1 +- 0.8; 4.6	20.0 +- 1.7
8	59 5.2	24.9 +- 0.7; 3.7	19.7 +- 0.7; 4.4	18.9 +- 1.8
9	100 2.3	24.3 +- 0.7; 3.6	19.2 +- 0.7; 4.4	17.4 +- 1.7
10	88 5.6	24.8 +- 0.7; 3.7	19.6 +- 0.7; 4.4	19.7 +- 1.6
11	122 2.3	26.6 +- 0.8; 4.0	21.3 +- 0.8; 4.6	19.6 +- 1.7
12	105 5.7	26.2 +- 0.8; 3.9	20.9 +- 0.8; 4.6	18.9 +- 1.6
13	145 1.9	26.6 +- 0.8; 4.0	21.3 +- 0.8; 4.6	20.0 +- 1.6
14	128 5.5	25.3 +- 0.8; 3.8	20.1 +- 0.8; 4.5	19.4 +- 1.6
15	157 1.9	26.5 +- 0.8; 4.0	21.2 +- 0.8; 4.6	20.5 +- 1.5
16	150 4.9	25.8 +- 0.8; 3.9	20.5 +- 0.8; 4.5	19.9 +- 1.5
17	173 0.5	25.8 +- 0.8; 3.9	20.6 +- 0.8; 4.5	19.4 +- 1.9
18	173 5.3	26.0 +- 0.8; 3.9	20.7 +- 0.8; 4.5	20.6 +- 1.6
19	212 2.5	28.9 +- 0.9; 4.3	23.4 +- 0.8; 4.9	22.3 +- 1.8
20	204 5.3	27.0 +- 0.8; 4.1	21.7 +- 0.8; 4.7	20.9 +- 1.6
21	233 2.0	Missing Dosimeter	No Net Data	21.0 +- 1.8
22	224 4.6	25.9 +- 0.8; 3.9	20.7 +- 0.8; 4.5	21.3 +- 1.6
23	239 0.6	26.8 +- 0.8; 4.0	21.5 +- 0.8; 4.6	19.8 +- 1.7
24	243 6.9	24.8 +- 0.7; 3.7	19.6 +- 0.7; 4.4	18.0 +- 1.6
25	269 3.3	27.3 +- 0.8; 4.1	21.9 +- 0.8; 4.7	21.5 +- 1.8
26	262 5.9	28.3 +- 0.8; 4.2	22.9 +- 0.8; 4.8	21.8 +- 1.5
27	350 3.0	23.0 +- 0.7; 3.4	18.0 +- 0.7; 4.2	18.1 +- 1.9
28	292 5.0	26.1 +- 0.8; 3.9	20.8 +- 0.8; 4.6	20.0 +- 1.5
29	311 2.4	26.3 +- 0.8; 4.0	21.1 +- 0.8; 4.6	20.2 +- 1.7
30	310 5.5	27.5 +- 0.8; 4.1	22.1 +- 0.8; 4.7	20.7 +- 1.4
31	340 2.3	24.8 +- 0.7; 3.7	19.6 +- 0.7; 4.4	19.0 +- 1.4
32	338 5.3	26.4 +- 0.8; 4.0	21.1 +- 0.8; 4.6	19.9 +- 1.7
33	182 0.5	27.8 +- 0.8; 4.2	22.4 +- 0.8; 4.7	20.0 +- 1.9
35	127 2.2	24.0 +- 0.7; 3.6	18.9 +- 0.7; 4.3	18.5 +- 1.4
39	150 5.0	25.1 +- 0.8; 3.8	19.9 +- 0.8; 4.4	18.4 +- 1.7
40	73 9.5	Missing Dosimeter	No Net Data	20.0 +- 1.6
43	29 8.0	24.2 +- 0.7; 3.6	19.1 +- 0.7; 4.4	18.4 +- 1.4
44	65 3.5	21.4 +- 0.6; 3.2	16.6 +- 0.7; 4.1	17.6 +- 1.6
45	182 4.2	26.9 +- 0.8; 4.0	21.6 +- 0.8; 4.6	20.3 +- 1.5
47	298 4.5	25.9 +- 0.8; 3.9	20.7 +- 0.8; 4.5	19.3 +- 1.4
48	13 14.0	25.9 +- 0.8; 3.9	20.6 +- 0.8; 4.5	19.5 +- 1.4
49	207 18.0	27.8 +- 0.8; 4.2	22.4 +- 0.8; 4.7	20.4 +- 1.8

Transit Dose = 3.2 +- 0.3; 3.1

FORT CALHOUN  
For the period 950312-950727

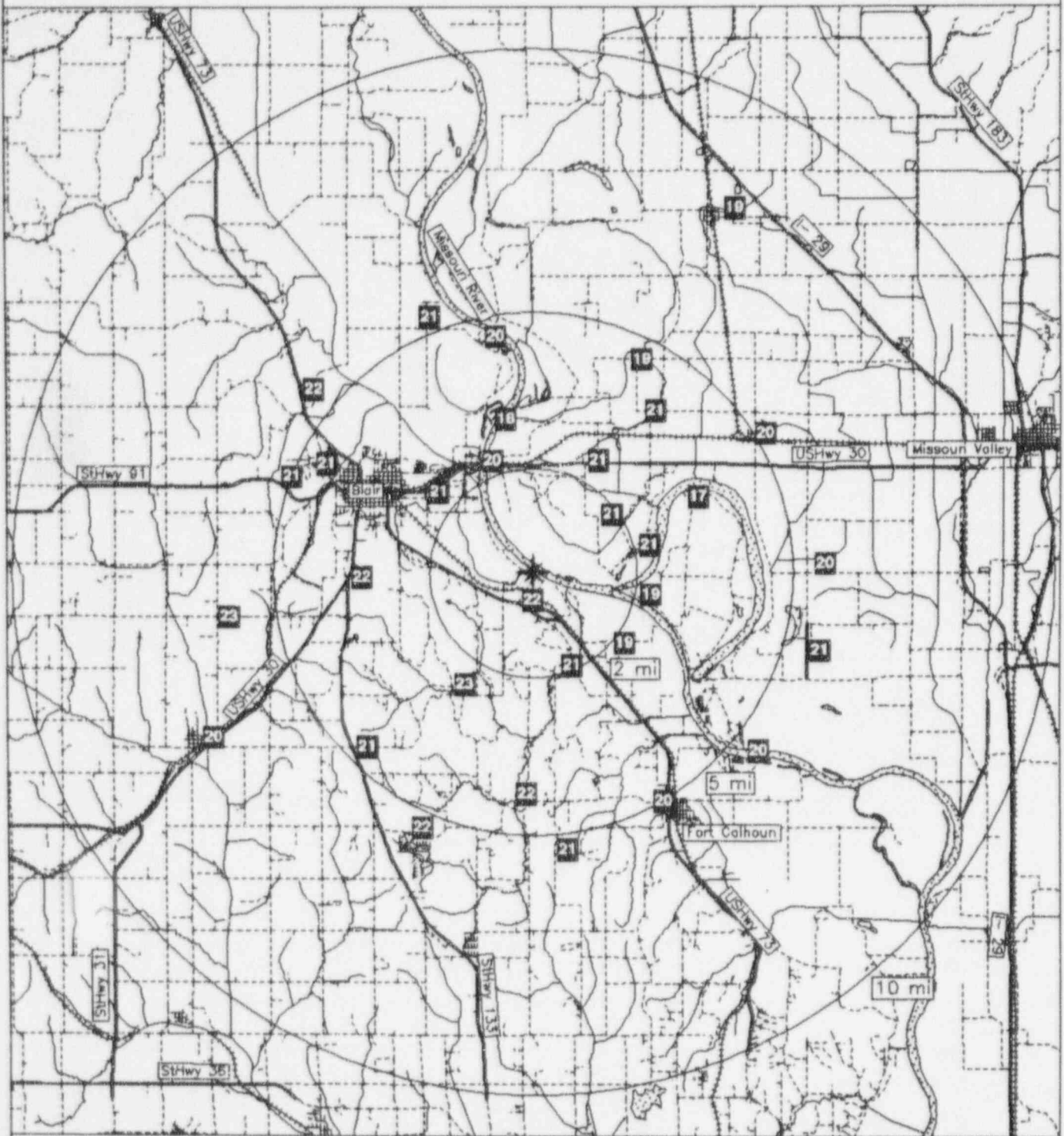
TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	18.9 +- 1.3	2
11.26 - 33.75 NNE	19.7 +- 0.9	3
33.76 - 56.25 NE	20.9 +- 0.5	2
56.26 - 78.75 ENE	19.1 +- 2.3	3
78.76 - 101.25 E	19.4 +- 0.3	2
101.26 - 123.75 ESE	21.1 +- 0.3	2
123.76 - 146.25 SE	20.1 +- 1.2	3
146.26 - 168.75 SSE	20.6 +- 0.7	3
168.76 - 191.25 S	21.3 +- 0.8	4
191.26 - 213.75 SSW	22.5 +- 1.2	2
213.76 - 236.25 SW	20.7 +- 0.0	1
236.26 - 258.75 WSW	20.5 +- 1.3	2
258.76 - 281.25 W	22.4 +- 0.7	2
281.26 - 303.75 WNW	20.8 +- 0.1	2
303.76 - 326.25 NW	21.6 +- 0.8	2
326.26 - 348.75 NNW	20.4 +- 1.1	2

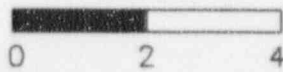
Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	21.2 +- 0.7	6
2 - 5	20.3 +- 1.5	20
> 5	20.7 +- 1.2	11
Upwind Control	21.5 +- 1.2	2



# NRC TLD DOSES FOR FORT CALHOUN AREA



Miles



### Legend



Water

--- Railroads



Plant site

— Highways

--- Roads

FORT ST. VRAIN  
 TLD Direct Radiation Environmental Monitoring  
 For the period 950312-950727 138 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	
1	8	0.8	41.0	+ - 1.2; 6.2	33.6	+ - 1.3; 7.0	29.7	+ - 2.3
2	2	3.3	39.2	+ - 1.2; 5.9	31.8	+ - 1.3; 6.7	29.0	+ - 2.4
3	29	2.6	41.1	+ - 1.2; 6.2	33.7	+ - 1.3; 7.0	29.3	+ - 2.2
4	17	5.4	39.5	+ - 1.2; 5.9	32.1	+ - 1.3; 6.8	29.5	+ - 2.2
5	54	2.1	39.3	+ - 1.2; 5.9	31.8	+ - 1.3; 6.7	28.3	+ - 2.6
6	48	4.8	41.0	+ - 1.2; 6.1	33.6	+ - 1.3; 7.0	30.3	+ - 1.9
7	76	2.6	42.3	+ - 1.3; 6.3	34.9	+ - 1.3; 7.1	31.2	+ - 2.3
8	58	4.2	40.6	+ - 1.2; 6.1	33.2	+ - 1.3; 6.9	29.9	+ - 2.0
9	100	1.5	40.6	+ - 1.2; 6.1	33.1	+ - 1.3; 6.9	30.3	+ - 2.2
10	87	4.5	40.6	+ - 1.2; 6.1	33.2	+ - 1.3; 6.9	28.7	+ - 2.2
11	118	1.6	40.7	+ - 1.2; 6.1	33.3	+ - 1.3; 6.9	32.5	+ - 2.3
12	104	3.0	40.8	+ - 1.2; 6.1	33.4	+ - 1.3; 6.9	31.9	+ - 2.2
13	143	1.6	41.2	+ - 1.2; 6.2	33.8	+ - 1.3; 7.0	30.5	+ - 2.3
14	128	4.5	41.4	+ - 1.2; 6.2	34.0	+ - 1.3; 7.0	30.2	+ - 1.8
15	168	2.3	39.5	+ - 1.2; 5.9	32.1	+ - 1.3; 6.8	28.0	+ - 2.0
16	148	4.6	38.7	+ - 1.2; 5.8	31.2	+ - 1.2; 6.7	28.2	+ - 2.0
17	182	0.8	41.4	+ - 1.2; 6.2	34.0	+ - 1.3; 7.0	29.9	+ - 2.3
18	175	4.8	39.2	+ - 1.2; 5.9	31.8	+ - 1.3; 6.7	30.2	+ - 2.3
19	210	0.9	42.0	+ - 1.3; 6.3	34.6	+ - 1.3; 7.1	30.5	+ - 1.8
20	200	2.9	40.2	+ - 1.2; 6.0	32.8	+ - 1.3; 6.9	30.2	+ - 2.5
21	234	1.3	39.6	+ - 1.2; 5.9	32.2	+ - 1.3; 6.8	31.0	+ - 2.1
22	216	3.3	39.4	+ - 1.2; 5.9	32.0	+ - 1.3; 6.8	28.4	+ - 2.2
23	254	2.5	39.3	+ - 1.2; 5.9	31.9	+ - 1.3; 6.7	28.7	+ - 2.3
24	244	3.8	39.9	+ - 1.2; 6.0	32.5	+ - 1.3; 6.8	28.9	+ - 2.1
25	278	1.5	39.5	+ - 1.2; 5.9	32.1	+ - 1.3; 6.8	28.1	+ - 2.0
26	263	5.4	40.8	+ - 1.2; 6.1	33.3	+ - 1.3; 6.9	29.4	+ - 2.6
27	297	1.7	39.2	+ - 1.2; 5.9	31.7	+ - 1.3; 6.7	27.9	+ - 2.2
28	284	5.6	38.6	+ - 1.2; 5.8	31.2	+ - 1.2; 6.6	28.9	+ - 1.9
29	317	0.9	37.9	+ - 1.1; 5.7	30.4	+ - 1.2; 6.6	28.3	+ - 2.5
30	305	4.2	35.8	+ - 1.1; 5.4	28.3	+ - 1.2; 6.3	26.7	+ - 2.2
31	338	1.4	39.8	+ - 1.2; 6.0	32.3	+ - 1.3; 6.8	28.4	+ - 2.2
32	330	5.0	36.5	+ - 1.1; 5.5	29.1	+ - 1.2; 6.4	25.9	+ - 2.3
33	267	6.5	38.1	+ - 1.1; 5.7	30.7	+ - 1.2; 6.6	28.8	+ - 3.0
34	130	3.7	38.6	+ - 1.2; 5.8	31.2	+ - 1.2; 6.7	28.4	+ - 2.0
35	270	0.1	39.5	+ - 1.2; 5.9	32.1	+ - 1.3; 6.8	28.0	+ - 1.9
38	345	6.7	40.7	+ - 1.2; 6.1	33.3	+ - 1.3; 6.9	30.1	+ - 2.2
39	10	6.0	36.7	+ - 1.1; 5.5	29.3	+ - 1.2; 6.4	28.3	+ - 2.3
40	63	6.0	38.6	+ - 1.2; 5.8	31.2	+ - 1.2; 6.7	28.0	+ - 2.1
41	165	12.0	42.1	+ - 1.3; 6.3	34.7	+ - 1.3; 7.1	31.5	+ - 2.0
42	248	13.0	43.4	+ - 1.3; 6.5	36.0	+ - 1.4; 7.3	33.0	+ - 2.8
45	198	11.0	41.7	+ - 1.3; 6.3	34.3	+ - 1.3; 7.1	29.7	+ - 2.1
46	39	16.0	37.5	+ - 1.1; 5.6	30.1	+ - 1.2; 6.5	27.3	+ - 2.2
47	357	17.0	34.7	+ - 1.0; 5.2	27.3	+ - 1.1; 6.1	26.3	+ - 2.1
48	171	18.0	41.2	+ - 1.2; 6.2	33.7	+ - 1.3; 7.0	30.2	+ - 2.5
49	360	0.5	42.0	+ - 1.3; 6.3	34.6	+ - 1.3; 7.1	31.6	+ - 2.2

Transit Dose = 7.4 +- 0.4; 3.3

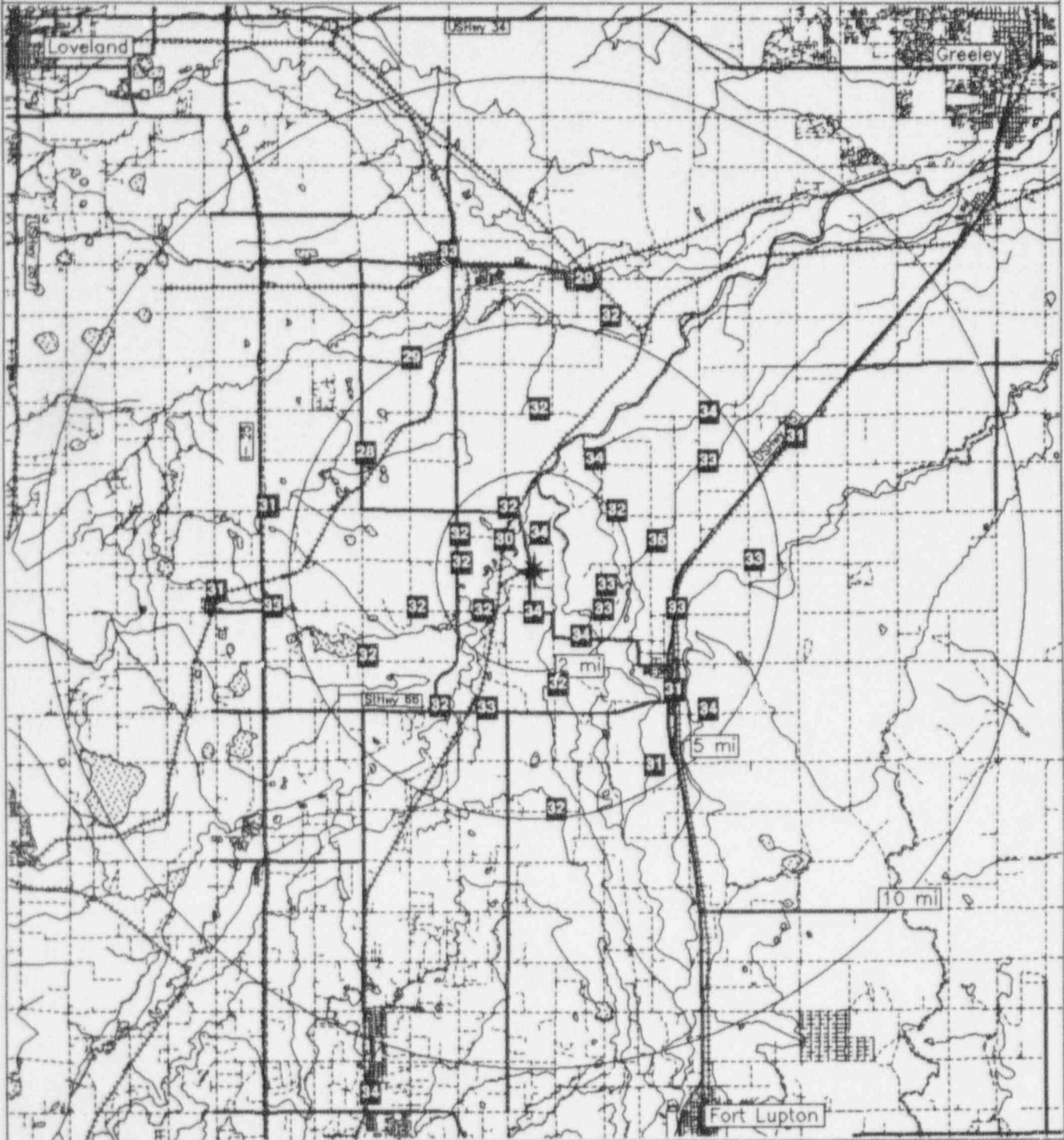
FORT ST. VRAIN  
For the period 950312-950727

TLD Direct Radiation Environmental Monitoring

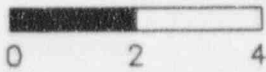
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	31.6 +- 2.2	3
11.26 - 33.75 NNE	32.9 +- 1.2	2
33.76 - 56.25 NE	31.8 +- 1.7	3
56.26 - 78.75 ENE	33.1 +- 1.8	3
78.76 - 101.25 E	33.1 +- 0.0	2
101.26 - 123.75 ESE	33.3 +- 0.1	2
123.76 - 146.25 SE	33.0 +- 1.5	3
146.26 - 168.75 SSE	32.7 +- 1.8	3
168.76 - 191.25 S	32.9 +- 1.5	2
191.26 - 213.75 SSW	33.9 +- 1.0	3
213.76 - 236.25 SW	32.1 +- 0.1	2
236.26 - 258.75 WSW	33.4 +- 2.2	3
258.76 - 281.25 W	32.0 +- 1.1	4
281.26 - 303.75 WNW	31.5 +- 0.4	2
303.76 - 326.25 NW	29.4 +- 1.5	2
326.26 - 348.75 NNW	31.6 +- 2.2	3

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	32.8 +- 1.2	12
2 - 5	32.2 +- 1.6	19
> 5	32.4 +- 2.1	11
Upwind Control	31.9 +- 4.0	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 950315-950725 133 Days

Field Time: 92 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)	Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	95 1.7	20.1 +- 0.6; 3.0	15.6 +- 0.7; 4.2	14.7 +- 1.0
2	108 1.1	18.9 +- 0.6; 2.8	14.5 +- 0.7; 4.0	14.4 +- 1.1
3	142 1.7	Missing Dosimeter	No Net Data	14.4 +- 1.4
4	154 1.5	18.3 +- 0.5; 2.7	13.8 +- 0.6; 4.0	15.0 +- 1.6
5	174 1.4	18.0 +- 0.5; 2.7	13.5 +- 0.6; 4.0	15.3 +- 1.6
6	212 1.6	17.8 +- 0.5; 2.7	13.4 +- 0.6; 3.9	14.1 +- 1.3
7	244 0.9	18.1 +- 0.5; 2.7	13.7 +- 0.6; 4.0	14.0 +- 1.4
8	230 0.6	19.9 +- 0.6; 3.0	15.4 +- 0.7; 4.1	14.9 +- 1.7
10	266 1.5	18.6 +- 0.6; 2.8	14.1 +- 0.6; 4.0	14.5 +- 1.2
11	264 4.6	21.1 +- 0.6; 3.2	16.6 +- 0.7; 4.3	15.9 +- 1.0
12	245 3.8	17.1 +- 0.5; 2.6	12.7 +- 0.6; 3.9	14.5 +- 1.6
13	235 4.2	17.4 +- 0.5; 2.6	13.0 +- 0.6; 3.9	13.8 +- 1.3
14	200 3.8	16.3 +- 0.5; 2.4	11.9 +- 0.6; 3.8	13.5 +- 1.6
15	178 3.4	20.4 +- 0.6; 3.1	15.8 +- 0.7; 4.2	14.8 +- 1.2
16	160 3.7	18.4 +- 0.6; 2.8	14.0 +- 0.6; 4.0	13.5 +- 1.6
17	134 3.8	Missing Dosimeter	No Net Data	13.5 +- 1.3
18	115 4.3	18.8 +- 0.6; 2.8	14.4 +- 0.7; 4.0	14.5 +- 1.5
19	88 4.0	Missing Dosimeter	No Net Data	13.6 +- 1.6
20	90 6.2	18.5 +- 0.6; 2.8	14.1 +- 0.6; 4.0	13.2 +- 1.3
21	123 7.6	16.7 +- 0.5; 2.5	12.3 +- 0.6; 3.8	13.1 +- 1.3
22	151 11.0	18.7 +- 0.6; 2.8	14.2 +- 0.6; 4.0	13.6 +- 1.1
23	105 12.0	17.0 +- 0.5; 2.5	12.6 +- 0.6; 3.9	14.2 +- 1.4
24	212 14.0	23.8 +- 0.7; 3.6	19.2 +- 0.8; 4.6	18.1 +- 1.3
25	223 13.0	18.2 +- 0.5; 2.7	13.7 +- 0.6; 4.0	13.8 +- 1.4
26	242 16.0	20.1 +- 0.6; 3.0	15.6 +- 0.7; 4.2	15.8 +- 1.4
27	254 14.0	Missing Dosimeter	No Net Data	15.6 +- 1.6
28	234 6.9	17.8 +- 0.5; 2.7	13.4 +- 0.6; 3.9	14.1 +- 0.9
29	185 0.3	19.3 +- 0.6; 2.9	14.9 +- 0.7; 4.1	15.6 +- 1.0
30	264 15.0	Missing Dosimeter	No Net Data	13.8 +- 1.7

Transit Dose = 4.2 +- 0.4; 3.0

GINNA

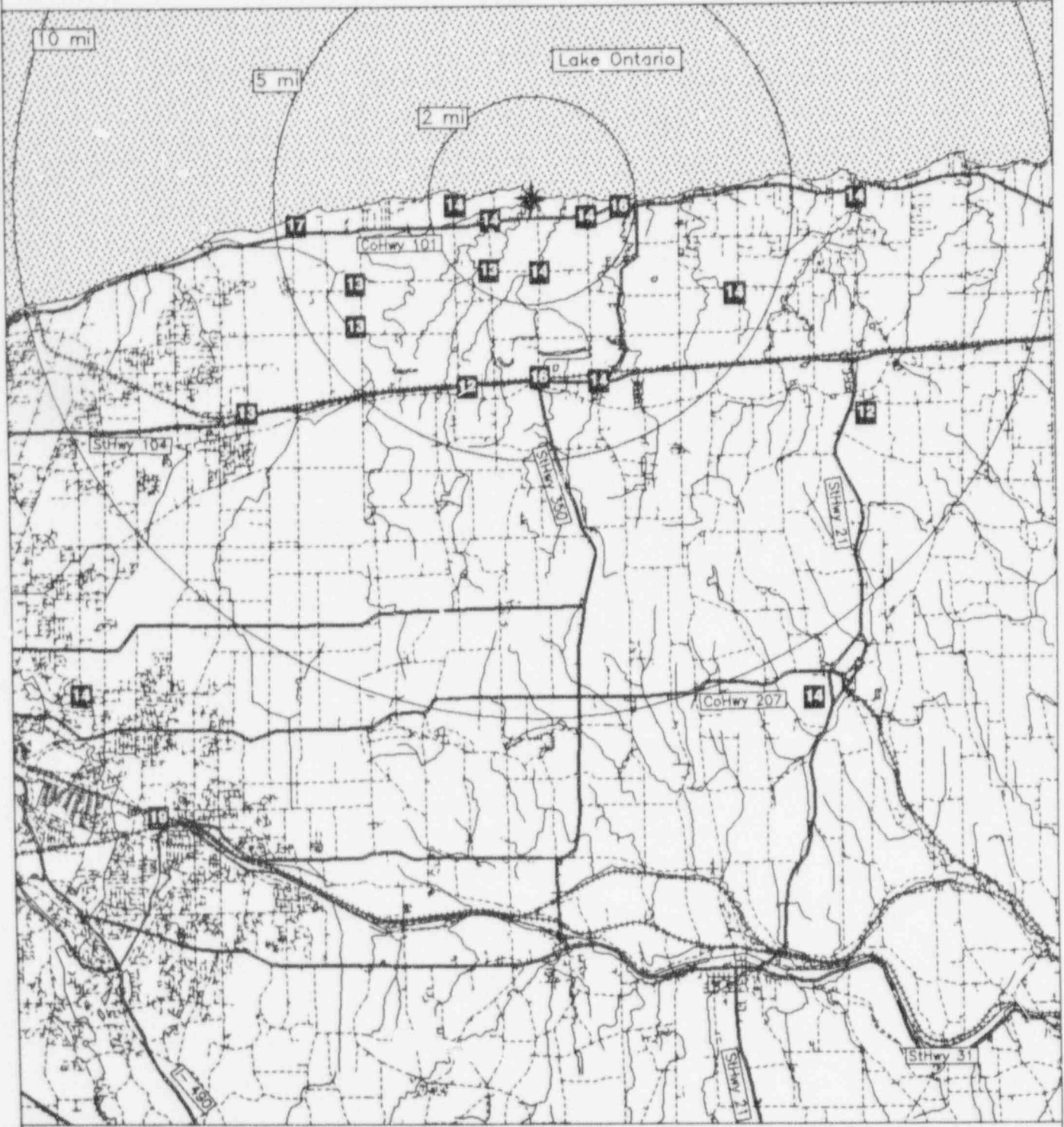
For the period 950315-950725

## TLD Direct Radiation Environmental Monitoring

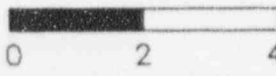
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	No Data +- No Data	0
11.26 - 33.75 NNE	No Data +- No Data	0
33.76 - 56.25 NE	No Data +- No Data	0
56.26 - 78.75 ENE	No Data +- No Data	0
78.76 - 101.25 E	14.8 +- 1.1	2
101.26 - 123.75 ESE	13.4 +- 1.2	4
123.76 - 146.25 SE	No Data +- No Data	0
146.26 - 168.75 SSE	14.0 +- 0.2	3
168.76 - 191.25 S	14.7 +- 1.2	3
191.26 - 213.75 SSW	14.8 +- 3.9	3
213.76 - 236.25 SW	13.9 +- 1.1	4
236.26 - 258.75 WSW	13.2 +- 0.7	2
258.76 - 281.25 W	15.4 +- 1.8	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	14.3 +- 0.8	9
2 - 5	14.0 +- 1.7	7
> 5	14.2 +- 2.3	7
Upwind Control	15.6 +- 0.0	1

# NRC TLD DOSES FOR GINNA AREA



Miles



### Legend

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

GRAND GULF  
 TLD Direct Radiation Environmental Monitoring  
 For the period 950314-950712 121 Days  
 Field Time: 85 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)	Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	337 2.0	Missing Dosimeter	No Net Data	16.3 +- 2.1
2	351 1.6	18.6 +- 0.6; 2.8	15.6 +- 0.7; 4.2	15.1 +- 1.1
3	20 1.5	18.5 +- 0.6; 2.8	15.5 +- 0.7; 4.2	17.6 +- 1.4
4	51 2.3	19.1 +- 0.6; 2.9	16.1 +- 0.7; 4.2	16.7 +- 1.3
5	68 2.7	19.2 +- 0.6; 2.9	16.2 +- 0.7; 4.2	17.8 +- 1.7
6	47 4.1	17.8 +- 0.5; 2.7	14.8 +- 0.7; 4.1	15.9 +- 1.4
7	68 4.9	20.5 +- 0.6; 3.1	17.7 +- 0.7; 4.4	19.0 +- 1.3
8	91 3.2	20.1 +- 0.6; 3.0	17.2 +- 0.7; 4.3	19.0 +- 1.3
9	81 1.0	19.7 +- 0.6; 3.0	16.8 +- 0.7; 4.3	17.4 +- 1.3
10	109 0.6	20.9 +- 0.6; 3.1	18.0 +- 0.7; 4.4	19.0 +- 1.1
11	139 0.8	21.6 +- 0.6; 3.2	18.8 +- 0.8; 4.5	19.0 +- 1.3
12	185 1.6	20.9 +- 0.6; 3.1	18.0 +- 0.7; 4.4	17.9 +- 1.2
13	207 1.9	21.4 +- 0.6; 3.2	18.6 +- 0.8; 4.5	19.0 +- 1.2
14	247 1.5	15.7 +- 0.5; 2.4	12.5 +- 0.6; 3.9	17.6 +- 2.2
15	130 4.2	21.5 +- 0.6; 3.2	18.7 +- 0.8; 4.5	18.4 +- 1.2
16	122 4.8	20.5 +- 0.6; 3.1	17.6 +- 0.7; 4.4	18.1 +- 1.4
17	135 5.3	19.5 +- 0.6; 2.9	16.6 +- 0.7; 4.3	17.1 +- 1.1
18	147 4.3	17.8 +- 0.5; 2.7	14.8 +- 0.7; 4.1	15.4 +- 1.0
19	224 6.8	Missing Dosimeter	No Net Data	18.5 +- 1.3
20	172 3.6	18.5 +- 0.6; 2.8	15.5 +- 0.7; 4.2	16.5 +- 1.1
21	291 12.0	Missing Dosimeter	No Net Data	16.8 +- 1.1
22	332 8.0	21.6 +- 0.6; 3.2	18.8 +- 0.8; 4.5	19.2 +- 1.5
23	310 7.9	Missing Dosimeter	No Net Data	15.6 +- 2.6
24	281 7.0	18.5 +- 0.6; 2.8	15.5 +- 0.7; 4.2	16.5 +- 1.2
25	291 4.8	20.2 +- 0.6; 3.0	17.3 +- 0.7; 4.3	18.1 +- 1.3
26	248 9.5	Missing Dosimeter	No Net Data	16.7 +- 1.2
27	239 13.0	18.4 +- 0.6; 2.8	15.4 +- 0.7; 4.1	16.1 +- 1.3
29	90 0.9	Missing Dosimeter	No Net Data	17.6 +- 1.2
30	67 51.0	16.2 +- 0.5; 2.4	13.1 +- 0.6; 3.9	13.9 +- 1.5
31	67 51.0	16.6 +- 0.5; 2.5	13.5 +- 0.6; 4.0	14.4 +- 1.6
32	67 51.0	16.4 +- 0.5; 2.5	13.3 +- 0.6; 3.9	13.8 +- 1.6
33	206 4.8	19.6 +- 0.6; 2.9	16.7 +- 0.7; 4.3	18.4 +- 1.4

Transit Dose = 3.9 +- 0.3; 2.8



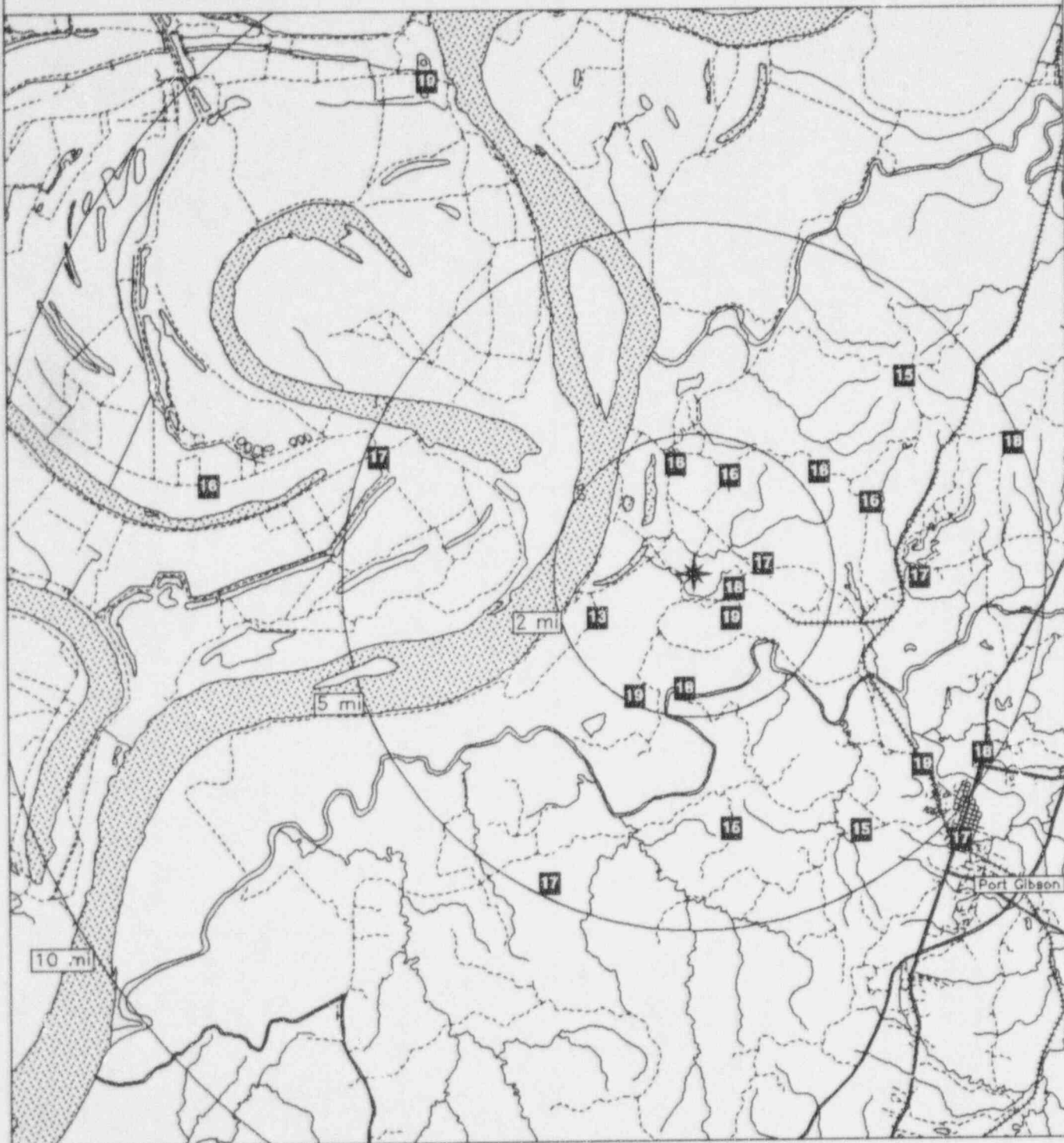
GRAND GULF  
For the period 950314-950712

TLD Direct Radiation Environmental Monitoring

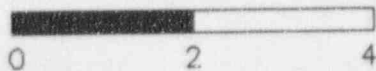
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	15.6 +- 0.0	1
11.26 - 33.75 NNE	15.5 +- 0.0	1
33.76 - 56.25 NE	15.5 +- 1.0	2
56.26 - 78.75 ENE	16.9 +- 1.0	2
78.76 - 101.25 E	17.0 +- 0.3	2
101.26 - 123.75 ESE	17.8 +- 0.3	2
123.76 - 146.25 SE	18.0 +- 1.3	3
146.26 - 168.75 SSE	14.8 +- 0.0	1
168.76 - 191.25 S	16.7 +- 1.8	2
191.26 - 213.75 SSW	17.7 +- 1.3	2
213.76 - 236.25 SW	No Data +- No Data	0
236.26 - 258.75 WSW	14.0 +- 2.0	2
258.76 - 281.25 W	15.5 +- 0.0	1
281.26 - 303.75 WNW	17.3 +- 0.0	1
303.76 - 326.25 NW	No Data +- No Data	0
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	16.7 +- 2.1	8
2 - 5	16.6 +- 1.2	11
> 5	16.6 +- 1.6	4
Upwind Control	13.3 +- 0.2	3

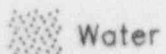
# NRC TLD DOSES FOR GRAND GULF AREA



Miles



## Legend



Water

Highways

Railroads

Roads



Plant site

## HADDAM NECK

TLD Direct Radiation Environmental Monitoring

For the period 950315-950801 140 Days

Field Time: 96 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)		Gross Exposure (mR) +-Rdm; Tot.		Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.		Hist. Range Net Exp Rate +-1 Std Dev	
2	17	2.6	25.3	+- 0.8; 3.8	19.0	+- 0.8; 4.7	18.8	+- 1.7
3	45	1.9	25.2	+- 0.8; 3.8	19.0	+- 0.8; 4.6	18.6	+- 2.5
4	67	2.3	22.6	+- 0.7; 3.4	16.5	+- 0.7; 4.4	17.7	+- 1.7
5	93	1.6	22.4	+- 0.7; 3.4	16.3	+- 0.7; 4.3	16.0	+- 1.5
6	115	2.3	21.7	+- 0.7; 3.3	15.7	+- 0.7; 4.3	15.6	+- 1.7
7	143	1.9	23.4	+- 0.7; 3.5	17.3	+- 0.8; 4.5	17.7	+- 1.7
8	165	0.9	21.6	+- 0.6; 3.2	15.5	+- 0.7; 4.3	16.6	+- 1.1
9	174	1.3	23.9	+- 0.7; 3.6	17.7	+- 0.8; 4.5	18.3	+- 1.8
10	195	0.7	22.4	+- 0.7; 3.4	16.3	+- 0.7; 4.3	16.1	+- 1.6
12	241	0.8	22.5	+- 0.7; 3.4	16.4	+- 0.7; 4.4	17.2	+- 1.4
13	263	0.8	22.0	+- 0.7; 3.3	16.0	+- 0.7; 4.3	15.9	+- 1.7
14	290	1.9	24.2	+- 0.7; 3.6	18.0	+- 0.8; 4.5	17.7	+- 1.7
15	311	1.5	20.6	+- 0.6; 3.1	14.6	+- 0.7; 4.2	15.4	+- 1.5
16	341	1.3	21.3	+- 0.6; 3.2	15.3	+- 0.7; 4.2	16.6	+- 1.5
17	360	2.3	25.3	+- 0.8; 3.8	19.0	+- 0.8; 4.7	19.3	+- 1.7
18	222	2.5	21.2	+- 0.6; 3.2	15.1	+- 0.7; 4.2	16.0	+- 1.5
19	269	3.0	19.6	+- 0.6; 2.9	13.7	+- 0.7; 4.1	15.9	+- 1.7
20	66	3.2	22.5	+- 0.7; 3.4	16.4	+- 0.7; 4.4	16.4	+- 1.6
21	91	2.8	23.4	+- 0.7; 3.5	17.3	+- 0.8; 4.5	18.0	+- 1.8
22	112	3.2	22.6	+- 0.7; 3.4	16.5	+- 0.7; 4.4	16.9	+- 1.8
23	137	2.9	22.3	+- 0.7; 3.3	16.2	+- 0.7; 4.3	16.6	+- 2.0
24	155	7.1	21.3	+- 0.6; 3.2	15.3	+- 0.7; 4.2	15.7	+- 1.4
25	175	5.7	21.7	+- 0.6; 3.2	15.6	+- 0.7; 4.3	16.1	+- 1.5
26	196	2.5	20.1	+- 0.6; 3.0	14.2	+- 0.7; 4.1	15.3	+- 1.5
27	225	1.1	22.8	+- 0.7; 3.4	16.7	+- 0.7; 4.4	17.3	+- 1.8
28	250	3.5	21.4	+- 0.6; 3.2	15.3	+- 0.7; 4.2	17.1	+- 2.5
29	340	20.0	23.8	+- 0.7; 3.6	17.7	+- 0.8; 4.5	19.9	+- 3.2
30	286	3.2	21.0	+- 0.6; 3.2	15.0	+- 0.7; 4.2	16.0	+- 1.6
31	322	2.7	22.9	+- 0.7; 3.4	16.7	+- 0.7; 4.4	17.1	+- 1.5
32	327	2.9	24.7	+- 0.7; 3.7	18.5	+- 0.8; 4.6	19.0	+- 1.5
33	359	6.4	21.3	+- 0.6; 3.2	15.3	+- 0.7; 4.2	15.9	+- 1.4
35	54	10.0	23.3	+- 0.7; 3.5	17.1	+- 0.7; 4.4	16.7	+- 1.7
36	72	8.8	24.3	+- 0.7; 3.6	18.1	+- 0.8; 4.5	18.9	+- 1.7
37	149	6.8	20.4	+- 0.6; 3.1	14.4	+- 0.7; 4.1	15.3	+- 1.5
38	158	5.9	21.1	+- 0.6; 3.2	15.1	+- 0.7; 4.2	15.0	+- 1.4
39	267	8.8	21.6	+- 0.6; 3.2	15.6	+- 0.7; 4.3	16.4	+- 1.6
40	303	9.1	24.0	+- 0.7; 3.6	17.8	+- 0.8; 4.5	17.9	+- 1.3
41	313	9.6	21.7	+- 0.7; 3.3	15.7	+- 0.7; 4.3	16.3	+- 1.6
42	320	13.0	22.9	+- 0.7; 3.4	16.8	+- 0.7; 4.4	18.2	+- 1.6
43	324	18.0	22.2	+- 0.7; 3.3	16.1	+- 0.7; 4.3	15.9	+- 1.3
44	328	15.0	23.9	+- 0.7; 3.6	17.7	+- 0.8; 4.5	17.5	+- 1.9
45	343	18.0	24.2	+- 0.7; 3.6	18.0	+- 0.8; 4.5	18.3	+- 1.8
46	144	5.0	23.9	+- 0.7; 3.6	17.7	+- 0.8; 4.5	17.5	+- 2.0
49	340	20.0	24.2	+- 0.7; 3.6	18.0	+- 0.8; 4.5	17.8	+- 1.8

Transit Dose = 5.0 +- 0.4; 3.2

HADDAM NECK  
For the period 950315-950801

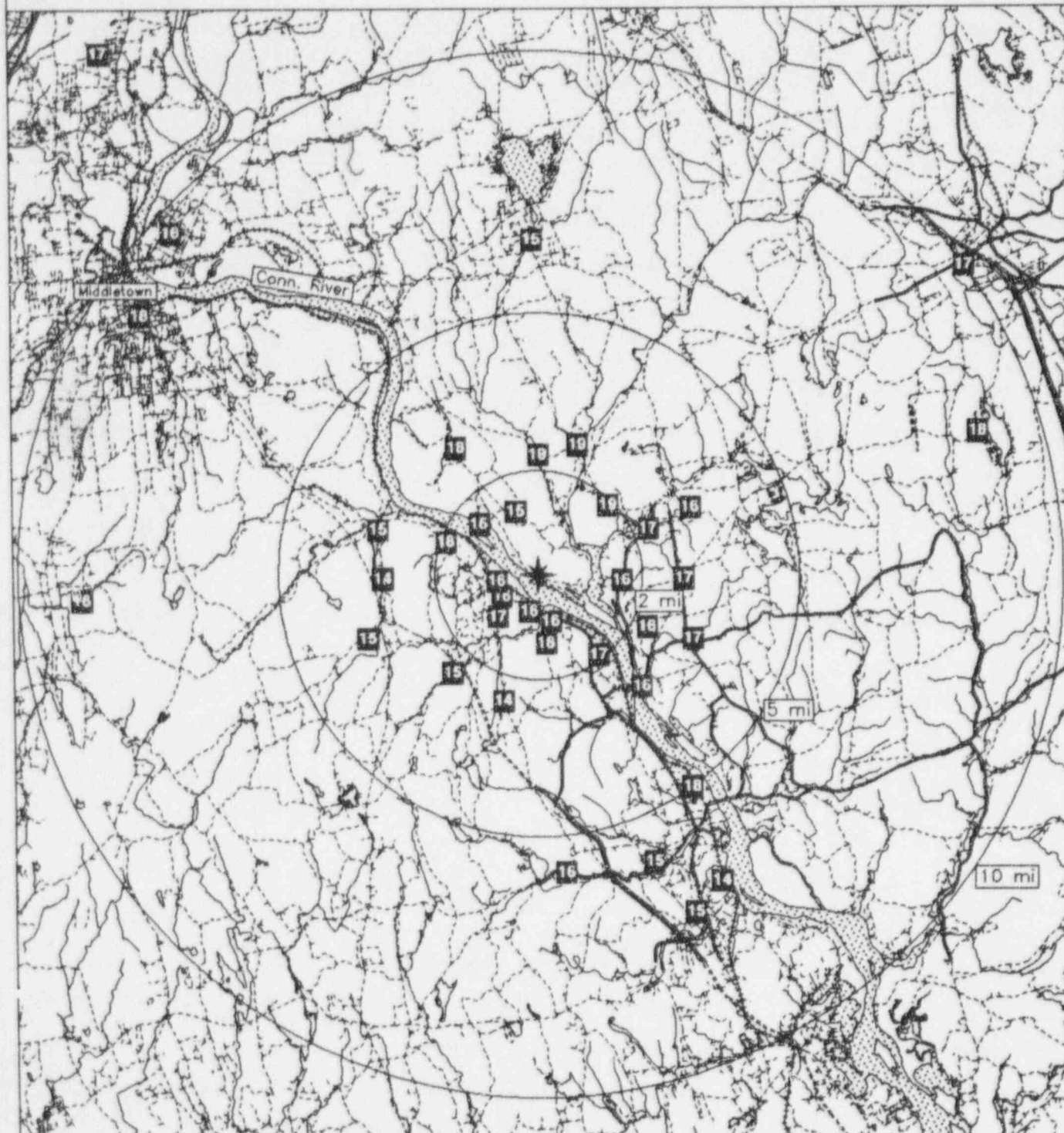
TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	17.2 +- 2.6	2
11.26 - 33.75 NNE	19.0 +- 0.0	1
33.76 - 56.25 NE	18.1 +- 1.3	2
56.26 - 78.75 ENE	17.0 +- 0.9	3
78.76 - 101.25 E	16.8 +- 0.7	2
101.26 - 123.75 ESE	16.1 +- 0.6	2
123.76 - 146.25 SE	17.1 +- 0.7	3
146.26 - 168.75 SSE	15.1 +- 0.5	4
168.76 - 191.25 S	16.7 +- 1.5	2
191.26 - 213.75 SSW	15.2 +- 1.5	2
213.76 - 236.25 SW	15.9 +- 1.1	2
236.26 - 258.75 WSW	15.9 +- 0.8	2
258.76 - 281.25 W	15.1 +- 1.2	3
281.26 - 303.75 WNW	16.9 +- 1.7	3
303.76 - 326.25 NW	16.0 +- 0.9	5
326.26 - 348.75 NNW	17.4 +- 1.2	5

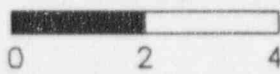
Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	16.6 +- 1.2	12
2 - 5	16.4 +- 1.6	16
> 5	16.4 +- 1.2	15
Upwind Control	18.0 +- 0.0	1



# NRC TLD DOSES FOR HADDAM NECK AREA



Miles



### Legend



Water



Highways



Railroads



Roads



Plant..site

## HARRIS

TLD Direct Radiation Environmental Monitoring

For the period 950314-950713 122 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	36	2.6	19.3 +- 0.6; 2.9	16.0 +- 0.6; 3.9	16.6 +- 2.0
2	25	3.2	15.8 +- 0.5; 2.4	12.7 +- 0.5; 3.6	14.8 +- 1.8
3	5	2.5	18.6 +- 0.6; 2.8	15.3 +- 0.6; 3.9	16.6 +- 1.7
4	27	1.5	17.0 +- 0.5; 2.5	13.8 +- 0.6; 3.7	17.3 +- 2.3
5	36	0.9	15.5 +- 0.5; 2.3	12.4 +- 0.5; 3.6	14.2 +- 1.5
6	68	0.8	14.3 +- 0.4; 2.1	11.3 +- 0.5; 3.5	12.8 +- 1.6
7	98	0.7	16.9 +- 0.5; 2.5	13.7 +- 0.6; 3.7	15.3 +- 1.5
8	232	0.7	15.1 +- 0.5; 2.3	12.0 +- 0.5; 3.5	14.0 +- 1.5
9	190	0.8	14.4 +- 0.4; 2.2	11.3 +- 0.5; 3.5	12.5 +- 1.5
10	158	0.7	15.2 +- 0.5; 2.3	12.1 +- 0.5; 3.5	13.7 +- 1.9
11	42	4.7	20.8 +- 0.6; 3.1	17.4 +- 0.7; 4.1	19.2 +- 2.2
12	40	8.6	18.4 +- 0.6; 2.8	15.1 +- 0.6; 3.8	16.4 +- 1.7
13	298	13.0	19.2 +- 0.6; 2.9	15.9 +- 0.6; 3.9	13.8 +- 2.0
14	298	12.0	15.8 +- 0.5; 2.4	12.6 +- 0.5; 3.6	14.2 +- 1.8
15	298	11.0	14.3 +- 0.4; 2.1	11.2 +- 0.5; 3.5	12.9 +- 1.7
16	332	4.8	17.3 +- 0.5; 2.6	14.1 +- 0.6; 3.7	14.4 +- 2.2
17	291	4.5	14.7 +- 0.4; 2.2	11.6 +- 0.5; 3.5	12.0 +- 2.4
18	270	5.1	14.1 +- 0.4; 2.1	11.1 +- 0.5; 3.4	14.1 +- 2.0
19	240	5.1	17.6 +- 0.5; 2.6	14.4 +- 0.6; 3.8	16.7 +- 2.1
20	227	4.8	14.7 +- 0.4; 2.2	11.6 +- 0.5; 3.5	12.6 +- 1.6
21	208	4.8	13.9 +- 0.4; 2.1	10.8 +- 0.5; 3.4	12.4 +- 1.7
22	190	4.6	15.5 +- 0.5; 2.3	12.4 +- 0.5; 3.6	14.2 +- 1.7
23	151	4.8	17.0 +- 0.5; 2.5	13.7 +- 0.6; 3.7	13.8 +- 2.2
24	132	4.7	15.4 +- 0.5; 2.3	12.2 +- 0.5; 3.5	13.6 +- 2.0
25	112	5.0	18.6 +- 0.6; 2.8	15.3 +- 0.6; 3.8	15.7 +- 2.1
26	92	4.6	14.2 +- 0.4; 2.1	11.2 +- 0.5; 3.5	12.6 +- 1.8
27	115	2.8	14.6 +- 0.4; 2.2	11.5 +- 0.5; 3.5	13.8 +- 1.6
28	135	2.3	11.9 +- 0.4; 1.8	8.9 +- 0.4; 3.3	11.5 +- 1.8
29	164	2.2	14.8 +- 0.4; 2.2	11.7 +- 0.5; 3.5	14.7 +- 2.1
30	49	2.2	14.7 +- 0.4; 2.2	11.6 +- 0.5; 3.5	14.0 +- 1.8
31	276	1.8	Damaged Dosimeter	No Net Data	13.8 +- 1.8
32	292	1.7	19.2 +- 0.6; 2.9	15.9 +- 0.6; 3.9	17.2 +- 1.8
33	314	1.4	17.5 +- 0.5; 2.6	14.2 +- 0.6; 3.7	16.2 +- 1.7
34	329	1.3	18.9 +- 0.6; 2.8	15.6 +- 0.6; 3.9	16.4 +- 2.0
35	350	4.5	16.7 +- 0.5; 2.5	13.5 +- 0.6; 3.7	15.9 +- 1.6
36	338	4.4	16.4 +- 0.5; 2.5	13.2 +- 0.5; 3.6	16.5 +- 3.2
37	16	4.9	15.3 +- 0.5; 2.3	12.2 +- 0.5; 3.5	15.3 +- 2.8
38	68	4.8	14.4 +- 0.4; 2.2	11.4 +- 0.5; 3.5	12.3 +- 1.6
39	80	6.9	16.8 +- 0.5; 2.5	13.6 +- 0.6; 3.7	14.6 +- 1.3
40	80	6.9	15.7 +- 0.5; 2.4	12.5 +- 0.5; 3.6	13.8 +- 2.0
41	118	9.7	20.4 +- 0.6; 3.1	17.0 +- 0.6; 4.0	19.0 +- 1.8
42	260	1.1	15.3 +- 0.5; 2.3	12.2 +- 0.5; 3.5	13.9 +- 1.8
43	333	1.7	16.5 +- 0.5; 2.5	13.3 +- 0.6; 3.7	15.8 +- 2.4
44	50	24.0	21.0 +- 0.6; 3.2	17.6 +- 0.7; 4.1	20.2 +- 2.1

Transit Dose = 2.5 +- 0.3; 3.0

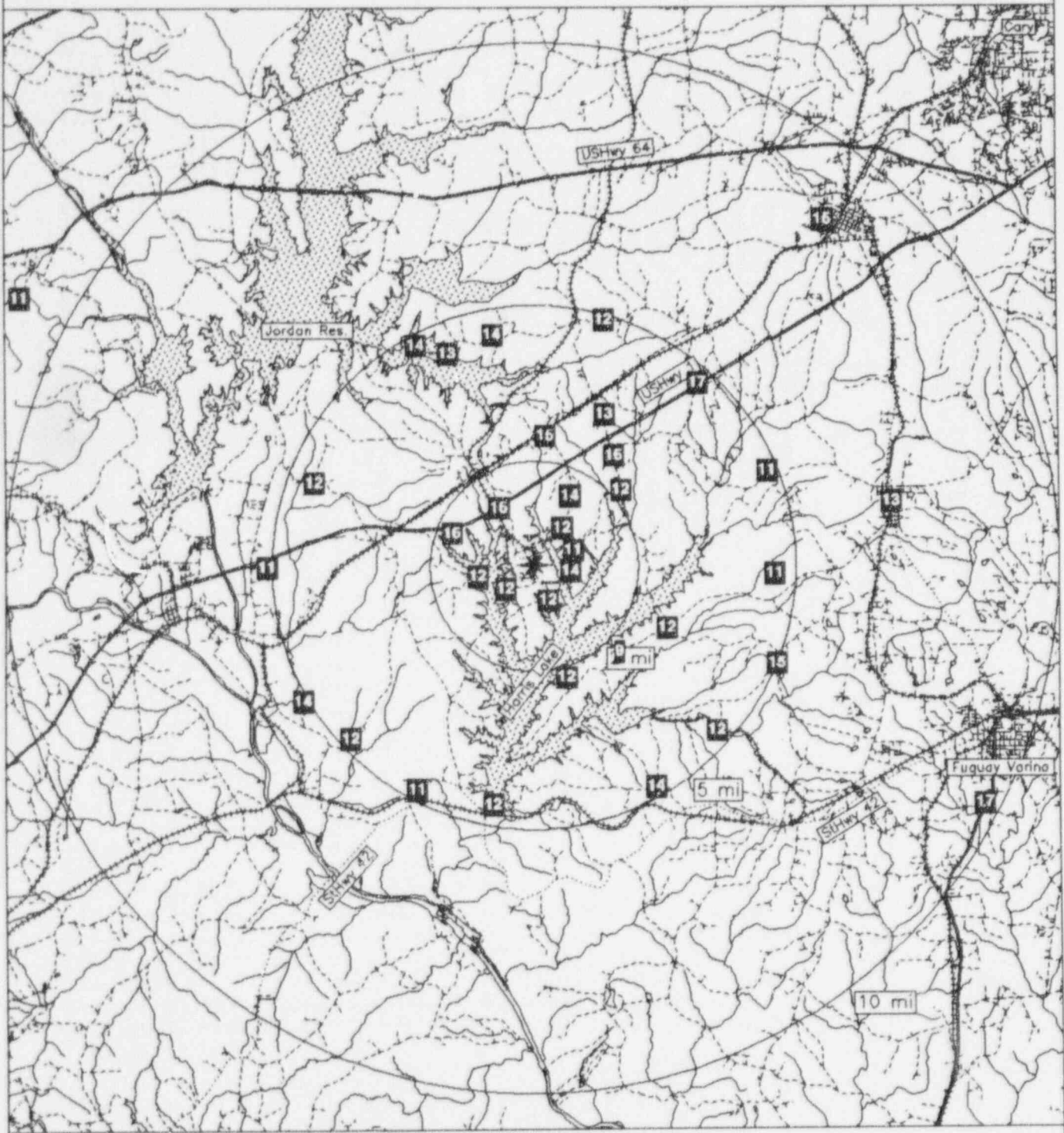
HARRIS  
For the period 950314-950713

TLD Direct Radiation Environmental Monitoring

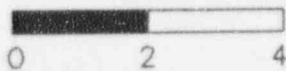
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	14.4 +- 1.3	2
11.26 - 33.75 NNE	12.9 +- 0.8	3
33.76 - 56.25 NE	15.0 +- 2.5	6
56.26 - 78.75 ENE	11.3 +- 0.1	2
78.76 - 101.25 E	12.7 +- 1.2	4
101.26 - 123.75 ESE	14.6 +- 2.8	3
123.76 - 146.25 SE	10.6 +- 2.3	2
146.26 - 168.75 SSE	12.5 +- 1.1	3
168.76 - 191.25 S	11.8 +- 0.8	2
191.26 - 213.75 SSW	10.8 +- 0.0	1
213.76 - 236.25 SW	11.8 +- 0.2	2
236.26 - 258.75 WSW	14.4 +- 0.0	1
258.76 - 281.25 W	11.6 +- 0.8	2
281.26 - 303.75 WNW	13.8 +- 3.0	2
303.76 - 326.25 NW	14.2 +- 0.0	1
326.26 - 348.75 NNW	14.1 +- 1.1	4

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	13.1 +- 1.6	12
2 - 5	12.8 +- 2.0	21
> 5	14.5 +- 2.3	7
Upwind Control	13.2 +- 2.4	3

# NRC TLD DOSES FOR HARRIS AREA



Miles



### Legend

Water

Highways

Railroads

Roads

Plant..site



## HATCH

TLD Direct Radiation Environmental Monitoring

For the period 950314-950725 134 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	342	23.0	20.1 +- 0.6; 3.0	14.5 +- 0.7; 4.1	16.1 +- 1.9
2	359	7.7	18.3 +- 0.5; 2.7	12.8 +- 0.6; 4.0	14.2 +- 1.9
3	354	4.5	20.8 +- 0.6; 3.1	15.2 +- 0.7; 4.2	14.1 +- 2.0
4	336	2.9	18.0 +- 0.5; 2.7	12.6 +- 0.6; 3.9	13.1 +- 1.9
5	309	4.6	18.4 +- 0.6; 2.8	12.9 +- 0.6; 4.0	13.5 +- 2.0
6	297	5.6	21.5 +- 0.6; 3.2	15.8 +- 0.7; 4.3	15.5 +- 2.1
7	24	2.8	19.4 +- 0.6; 2.9	13.9 +- 0.7; 4.1	13.8 +- 2.1
8	49	2.0	18.9 +- 0.6; 2.8	13.4 +- 0.6; 4.0	13.8 +- 1.9
9	49	10.0	18.5 +- 0.6; 2.8	13.0 +- 0.6; 4.0	13.6 +- 1.9
10	28	4.8	18.6 +- 0.6; 2.8	13.1 +- 0.6; 4.0	14.1 +- 1.8
11	67	5.0	19.3 +- 0.6; 2.9	13.8 +- 0.7; 4.0	14.2 +- 1.7
12	50	5.1	22.7 +- 0.7; 3.4	17.0 +- 0.7; 4.4	18.1 +- 2.1
13	353	2.0	17.8 +- 0.5; 2.7	12.4 +- 0.6; 3.9	12.4 +- 1.6
14	341	1.6	19.1 +- 0.6; 2.9	13.6 +- 0.6; 4.0	14.5 +- 2.0
15	147	10.0	Damaged Dosimeter	No Net Data	12.8 +- 1.7
16	232	0.9	17.4 +- 0.5; 2.6	11.9 +- 0.6; 3.9	13.0 +- 1.7
17	205	1.6	18.2 +- 0.5; 2.7	12.8 +- 0.6; 4.0	14.1 +- 1.7
18	192	4.2	15.0 +- 0.4; 2.2	9.7 +- 0.6; 3.7	11.3 +- 1.6
19	184	4.2	16.1 +- 0.5; 2.4	10.8 +- 0.6; 3.8	11.3 +- 1.9
20	165	4.6	17.5 +- 0.5; 2.6	12.1 +- 0.6; 3.9	12.1 +- 1.8
21	135	4.4	17.1 +- 0.5; 2.6	11.7 +- 0.6; 3.8	12.7 +- 1.6
22	120	4.1	17.4 +- 0.5; 2.6	12.0 +- 0.6; 3.9	14.1 +- 1.9
23	107	3.7	15.9 +- 0.5; 2.4	10.6 +- 0.6; 3.7	13.2 +- 1.9
24	123	14.0	16.1 +- 0.5; 2.4	10.7 +- 0.6; 3.8	12.1 +- 1.7
25	114	12.0	17.8 +- 0.5; 2.7	12.4 +- 0.6; 3.9	13.3 +- 1.6
26	142	1.8	18.7 +- 0.6; 2.8	13.2 +- 0.6; 4.0	14.2 +- 2.0
27	157	2.2	17.7 +- 0.5; 2.6	12.2 +- 0.6; 3.9	13.2 +- 1.7
28	171	0.9	19.2 +- 0.6; 2.9	13.6 +- 0.7; 4.0	14.3 +- 1.6
29	253	1.0	18.4 +- 0.6; 2.8	13.0 +- 0.6; 4.0	13.3 +- 1.7
30	270	1.0	19.4 +- 0.6; 2.9	13.9 +- 0.7; 4.1	15.0 +- 2.5
31	292	1.1	17.8 +- 0.5; 2.7	12.3 +- 0.6; 3.9	13.6 +- 1.8
32	268	4.2	19.2 +- 0.6; 2.9	13.7 +- 0.7; 4.0	13.4 +- 1.5
33	248	4.3	16.9 +- 0.5; 2.5	11.5 +- 0.6; 3.8	12.0 +- 1.8
34	216	4.1	15.9 +- 0.5; 2.4	10.6 +- 0.6; 3.7	11.4 +- 1.8
35	234	12.0	Missing Dosimeter	No Net Data	13.7 +- 2.1
36	182	10.0	14.5 +- 0.4; 2.2	9.3 +- 0.5; 3.6	12.6 +- 2.6
37	177	10.0	17.1 +- 0.5; 2.6	11.7 +- 0.6; 3.8	12.3 +- 1.8
38	323	12.0	19.9 +- 0.6; 3.0	14.4 +- 0.7; 4.1	14.9 +- 1.8
39	321	13.0	19.6 +- 0.6; 2.9	14.0 +- 0.7; 4.1	15.1 +- 1.9
40	323	12.0	19.3 +- 0.6; 2.9	13.7 +- 0.7; 4.0	15.1 +- 1.9

Transit Dose = 4.8 +- 0.4; 3.1

## HATCH

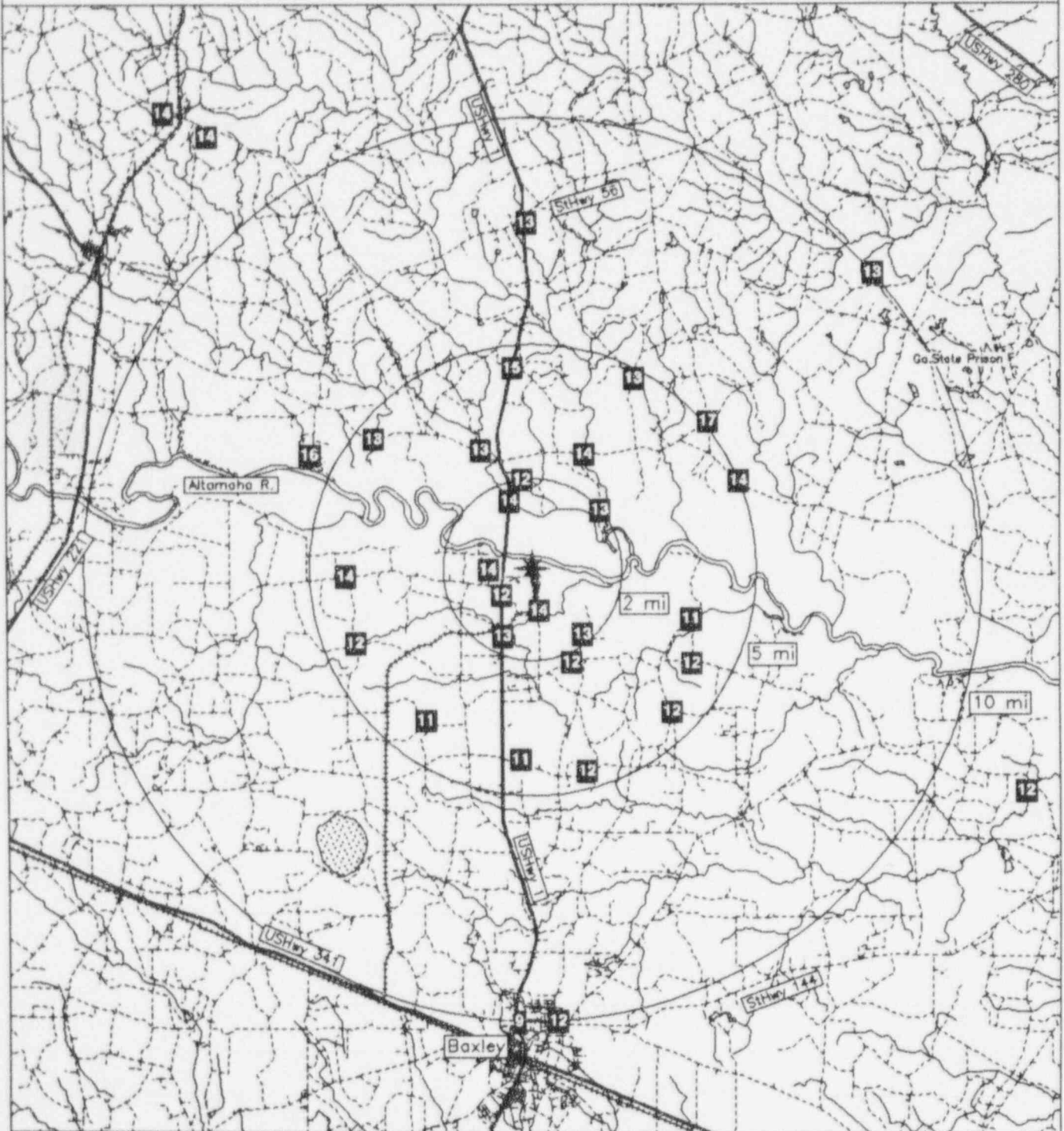
For the period 950314-950725

## TLD Direct Radiation Environmental Monitoring

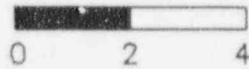
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	13.5 +- 1.5	3
11.26 - 33.75 NNE	13.5 +- 0.6	2
33.76 - 56.25 NE	14.5 +- 2.2	3
56.26 - 78.75 ENE	13.8 +- 0.0	1
78.76 - 101.25 E	No Data +- No Data	0
101.26 - 123.75 ESE	11.4 +- 0.9	4
123.76 - 146.25 SE	12.5 +- 1.1	2
146.26 - 168.75 SSE	12.2 +- 0.1	2
168.76 - 191.25 S	11.3 +- 1.8	4
191.26 - 213.75 SSW	11.2 +- 2.2	2
213.76 - 236.25 SW	11.3 +- 0.9	2
236.26 - 258.75 WSW	12.2 +- 1.0	2
258.76 - 281.25 W	13.8 +- 0.1	2
281.26 - 303.75 WNW	14.1 +- 2.5	2
303.76 - 326.25 NW	12.9 +- 0.0	1
326.26 - 348.75 NNW	13.5 +- 1.0	3

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	13.0 +- 0.6	10
2 - 5	12.3 +- 1.5	16
> 5	13.0 +- 2.4	9
Upwind Control	14.1 +- 0.3	3

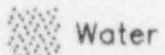
# NRC TLD DOSES FOR HATCH AREA



Miles



## Legend



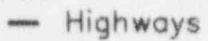
Water



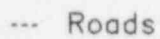
Railroads



Plant site



Highways



Roads

## INDIAN POINT

TLD Direct Radiation Environmental Monitoring

For the period 950315-950725 133 Days

Field Time: 94 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	52	1.4	16.7	+- 0.5; 2.5	11.4	+- 0.6; 3.8	12.5	+- 1.4
2	53	1.0	19.3	+- 0.6; 2.9	13.8	+- 0.7; 4.1	14.7	+- 2.0
3	61	1.5	20.4	+- 0.6; 3.1	14.9	+- 0.7; 4.2	14.8	+- 1.1
4	89	1.2	21.1	+- 0.6; 3.2	15.5	+- 0.7; 4.3	15.2	+- 1.3
5	107	0.9	19.8	+- 0.6; 3.0	14.3	+- 0.7; 4.1	15.4	+- 1.3
6	90	0.5	19.1	+- 0.6; 2.9	13.6	+- 0.7; 4.1	15.6	+- 1.3
7	133	0.8	19.0	+- 0.6; 2.9	13.5	+- 0.7; 4.1	14.7	+- 1.4
8	158	0.8	20.1	+- 0.6; 3.0	14.6	+- 0.7; 4.2	15.7	+- 1.3
9	188	1.2	20.9	+- 0.6; 3.1	15.3	+- 0.7; 4.2	16.3	+- 1.4
10	206	0.9	19.2	+- 0.6; 2.9	13.7	+- 0.7; 4.1	15.0	+- 1.4
11	170	1.1	18.7	+- 0.6; 2.8	13.2	+- 0.6; 4.0	13.4	+- 1.2
12	155	2.3	18.7	+- 0.6; 2.8	13.3	+- 0.6; 4.0	14.6	+- 1.7
13	136	3.2	20.3	+- 0.6; 3.1	14.8	+- 0.7; 4.2	14.7	+- 1.4
14	107	3.1	18.3	+- 0.5; 2.7	12.9	+- 0.6; 4.0	13.7	+- 1.4
15	94	3.8	19.0	+- 0.6; 2.9	13.5	+- 0.7; 4.1	14.5	+- 1.2
16	142	5.7	Missing Dosimeter		No Net Data		16.0	+- 1.3
18	147	9.1	21.3	+- 0.6; 3.2	15.7	+- 0.7; 4.3	15.9	+- 1.4
19	137	12.0	18.5	+- 0.6; 2.8	13.0	+- 0.6; 4.0	14.6	+- 2.0
20	129	12.0	19.4	+- 0.6; 2.9	13.9	+- 0.7; 4.1	14.7	+- 1.4
22	74	7.5	19.7	+- 0.6; 3.0	14.2	+- 0.7; 4.1	15.3	+- 1.2
23	5	100.0	21.9	+- 0.7; 3.3	16.3	+- 0.7; 4.3	16.7	+- 1.4
24	5	100.0	21.7	+- 0.7; 3.3	16.1	+- 0.7; 4.3	16.6	+- 1.4
25	65	4.1	18.2	+- 0.5; 2.7	12.7	+- 0.6; 4.0	14.5	+- 1.4
26	40	4.0	22.7	+- 0.7; 3.4	17.1	+- 0.7; 4.4	17.7	+- 1.3
27	25	5.3	22.1	+- 0.7; 3.3	16.5	+- 0.7; 4.4	16.3	+- 1.2
28	24	2.9	20.6	+- 0.6; 3.1	15.0	+- 0.7; 4.2	15.4	+- 1.3
29	22	2.1	20.0	+- 0.6; 3.0	14.5	+- 0.7; 4.1	15.3	+- 1.2
30	8	1.9	22.9	+- 0.7; 3.4	17.3	+- 0.8; 4.4	16.5	+- 1.6
31	356	5.0	19.4	+- 0.6; 2.9	13.9	+- 0.7; 4.1	15.6	+- 1.3
32	330	3.7	18.8	+- 0.6; 2.8	13.4	+- 0.7; 4.0	16.5	+- 1.7
33	338	4.7	22.3	+- 0.7; 3.3	16.7	+- 0.7; 4.4	17.2	+- 1.4
34	354	7.0	23.9	+- 0.7; 3.6	18.2	+- 0.8; 4.6	19.0	+- 3.0
35	297	4.4	Missing Dosimeter		No Net Data		16.2	+- 1.4
36	309	3.6	30.5	+- 0.9; 4.6	24.5	+- 0.9; 5.3	22.5	+- 6.5
37	350	1.1	21.3	+- 0.6; 3.2	15.8	+- 0.7; 4.3	16.6	+- 1.4
38	337	0.9	21.9	+- 0.7; 3.3	16.3	+- 0.7; 4.3	16.5	+- 1.5
39	315	1.0	Missing Dosimeter		No Net Data		15.1	+- 1.3
40	294	1.1	21.3	+- 0.6; 3.2	15.8	+- 0.7; 4.3	16.6	+- 1.5
41	274	1.1	22.3	+- 0.7; 3.3	16.7	+- 0.7; 4.4	18.5	+- 1.9
42	248	1.5	21.1	+- 0.6; 3.2	15.6	+- 0.7; 4.3	17.3	+- 2.2
44	5	100.0	21.9	+- 0.7; 3.3	16.3	+- 0.7; 4.3	16.4	+- 1.5
45	227	2.4	18.9	+- 0.6; 2.8	13.4	+- 0.7; 4.0	16.4	+- 2.0
46	209	3.2	18.1	+- 0.5; 2.7	12.6	+- 0.6; 4.0	14.8	+- 2.0
47	218	5.3	19.5	+- 0.6; 2.9	14.0	+- 0.7; 4.1	15.3	+- 1.9
48	201	4.6	20.9	+- 0.6; 3.1	15.4	+- 0.7; 4.2	16.0	+- 1.5
49	187	5.2	17.8	+- 0.5; 2.7	12.4	+- 0.6; 3.9	14.0	+- 1.9
50	171	7.1	20.0	+- 0.6; 3.0	14.5	+- 0.7; 4.1	14.3	+- 1.5

Transit Dose = 4.9 +- 0.4; 3.1



INDIAN POINT  
For the period 950315-950725

TLD Direct Radiation Environmental Monitoring

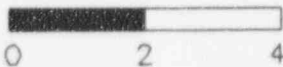
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	16.3 +- 1.9	4
11.26 - 33.75 NNE	15.3 +- 1.0	3
33.76 - 56.25 NE	14.1 +- 2.9	3
56.26 - 78.75 ENE	13.9 +- 1.1	3
78.76 - 101.25 E	14.2 +- 1.1	3
101.26 - 123.75 ESE	13.6 +- 1.0	2
123.76 - 146.25 SE	13.8 +- 0.8	4
146.26 - 168.75 SSE	14.5 +- 1.2	3
168.76 - 191.25 S	13.8 +- 1.3	4
191.26 - 213.75 SSW	13.9 +- 1.4	3
213.76 - 236.25 SW	13.7 +- 0.4	2
236.26 - 258.75 WSW	15.6 +- 0.0	1
258.76 - 281.25 W	16.7 +- 0.0	1
281.26 - 303.75 WNW	15.8 +- 0.0	1
303.76 - 326.25 NW	24.5 +- 0.0	1
326.26 - 348.75 NNW	15.5 +- 1.8	3

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	14.8 +- 1.5	17
2 - 5	14.9 +- 3.0	15
> 5	14.7 +- 1.8	9
Upwind Control	16.2 +- 0.1	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 950313-950713 123 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	189	8.1	18.0 +- 0.5; 2.7	12.7 +- 0.6; 4.0	12.6 +- 1.7
2	195	7.0	20.9 +- 0.6; 3.1	15.6 +- 0.7; 4.3	17.4 +- 2.1
3	163	4.9	17.7 +- 0.5; 2.7	12.5 +- 0.6; 4.0	13.2 +- 1.9
4	183	3.3	22.3 +- 0.7; 3.3	16.9 +- 0.7; 4.4	16.6 +- 2.2
5	210	3.2	16.9 +- 0.5; 2.5	11.6 +- 0.6; 3.9	12.4 +- 2.1
6	223	3.7	22.1 +- 0.7; 3.3	16.6 +- 0.7; 4.4	16.6 +- 2.2
7	242	5.7	19.6 +- 0.6; 2.9	14.3 +- 0.7; 4.1	14.0 +- 1.6
8	202	1.8	22.4 +- 0.7; 3.4	17.0 +- 0.7; 4.4	17.2 +- 1.8
9	180	1.8	20.7 +- 0.6; 3.1	15.4 +- 0.7; 4.2	15.9 +- 1.9
10	158	1.9	17.3 +- 0.5; 2.6	12.1 +- 0.6; 3.9	13.0 +- 1.9
11	235	1.2	22.5 +- 0.7; 3.4	17.1 +- 0.7; 4.4	17.0 +- 2.1
12	258	1.4	20.5 +- 0.6; 3.1	15.1 +- 0.7; 4.2	15.5 +- 2.1
13	273	1.4	20.5 +- 0.6; 3.1	15.1 +- 0.7; 4.2	15.7 +- 2.0
14	290	0.9	21.8 +- 0.7; 3.3	16.4 +- 0.7; 4.4	16.7 +- 1.8
15	333	0.8	18.8 +- 0.6; 2.8	13.5 +- 0.7; 4.1	15.5 +- 2.1
16	342	1.9	21.2 +- 0.6; 3.2	15.8 +- 0.7; 4.3	15.4 +- 1.9
17	317	2.0	17.8 +- 0.5; 2.7	12.5 +- 0.6; 4.0	13.8 +- 2.6
18	310	3.4	23.4 +- 0.7; 3.5	18.0 +- 0.8; 4.5	17.7 +- 1.7
19	293	4.0	18.6 +- 0.6; 2.8	13.3 +- 0.7; 4.0	14.7 +- 2.2
20	273	4.0	19.7 +- 0.6; 3.0	14.4 +- 0.7; 4.1	14.6 +- 2.4
21	300	5.6	20.0 +- 0.6; 3.0	14.6 +- 0.7; 4.2	14.6 +- 1.7
22	316	5.9	22.1 +- 0.7; 3.3	16.7 +- 0.7; 4.4	15.5 +- 2.0
23	345	2.7	Damaged Dosimeter	No Net Data	16.7 +- 2.1
24	219	1.3	20.5 +- 0.6; 3.1	15.1 +- 0.7; 4.2	14.9 +- 2.0
25	247	1.4	21.8 +- 0.7; 3.3	16.4 +- 0.7; 4.4	16.6 +- 1.8
26	263	1.3	22.3 +- 0.7; 3.3	16.9 +- 0.7; 4.4	16.3 +- 1.9
27	290	1.4	22.9 +- 0.7; 3.4	17.4 +- 0.8; 4.5	16.8 +- 1.9
28	320	1.3	22.1 +- 0.7; 3.3	16.7 +- 0.7; 4.4	16.9 +- 2.3
29	342	1.1	19.4 +- 0.6; 2.9	14.0 +- 0.7; 4.1	15.8 +- 2.6
30	329	0.6	22.2 +- 0.7; 3.3	16.7 +- 0.7; 4.4	16.5 +- 1.9
31	13	1.0	19.7 +- 0.6; 3.0	14.4 +- 0.7; 4.1	14.9 +- 1.9
32	353	2.1	20.6 +- 0.6; 3.1	15.2 +- 0.7; 4.2	16.2 +- 2.0
33	301	3.9	18.6 +- 0.6; 2.8	13.3 +- 0.7; 4.0	15.1 +- 1.9
34	299	8.4	21.3 +- 0.6; 3.2	16.0 +- 0.7; 4.3	15.8 +- 1.7
35	323	3.8	16.4 +- 0.5; 2.5	11.2 +- 0.6; 3.8	14.1 +- 2.2
36	336	3.3	21.2 +- 0.6; 3.2	15.8 +- 0.7; 4.3	16.6 +- 2.2
37	6	3.1	19.4 +- 0.6; 2.9	14.1 +- 0.7; 4.1	14.5 +- 1.8
38	14	3.7	20.1 +- 0.6; 3.0	14.8 +- 0.7; 4.2	15.4 +- 1.9
39	13	7.6	18.1 +- 0.5; 2.7	12.8 +- 0.6; 4.0	13.3 +- 1.8
40	247	4.3	26.0 +- 0.8; 3.9	20.4 +- 0.8; 4.8	17.9 +- 1.9
41	8	23.0	17.6 +- 0.5; 2.6	12.4 +- 0.6; 3.9	13.2 +- 2.4
42	8	23.0	18.0 +- 0.5; 2.7	12.7 +- 0.6; 4.0	13.7 +- 1.9
43	8	23.0	17.5 +- 0.5; 2.6	12.2 +- 0.6; 3.9	12.9 +- 2.0

Transit Dose = 4.9 +- 0.4; 3.1

KEWAUNEE/PT. BEACH  
For the period 950313-950713

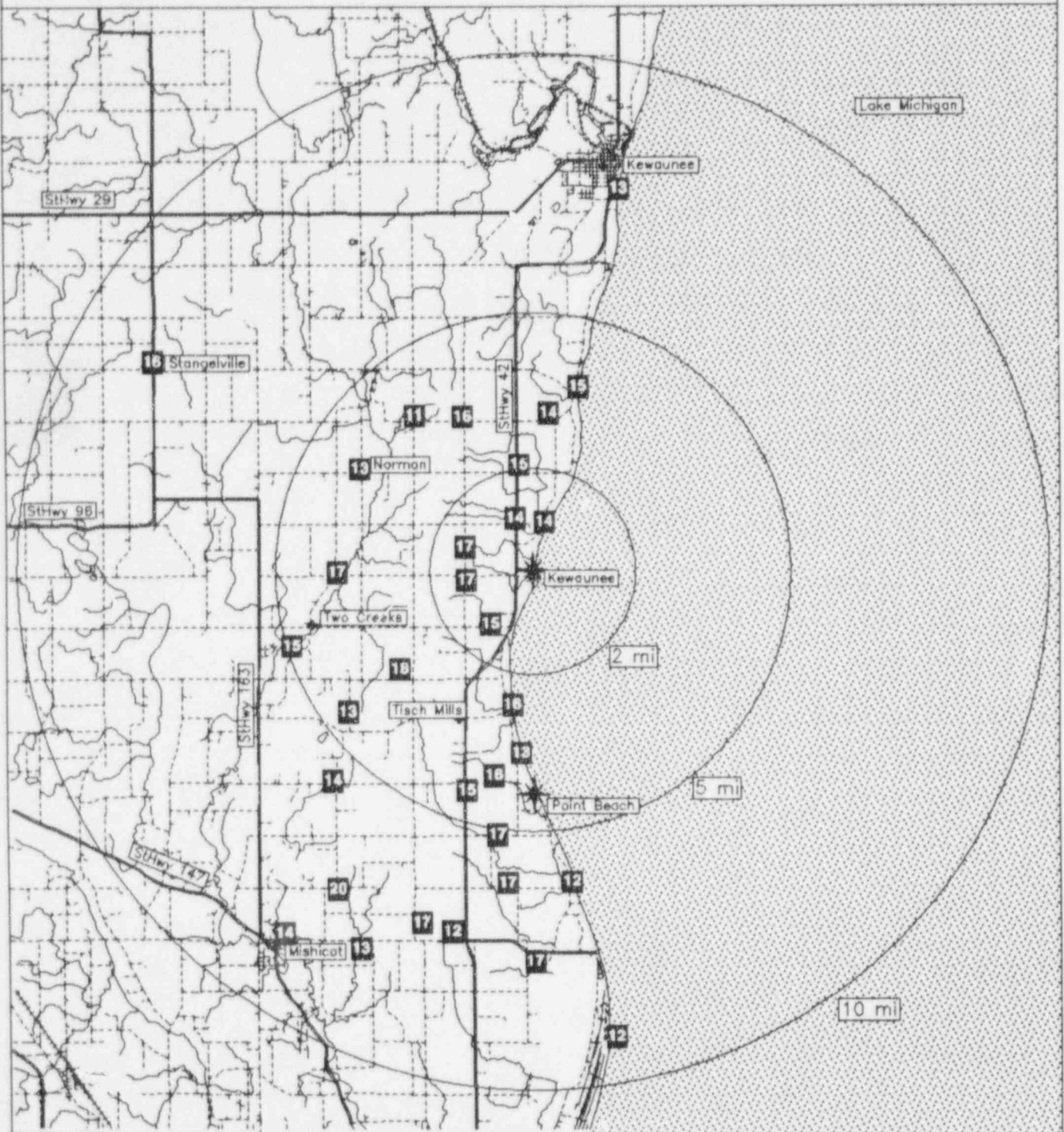
TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	14.7 +- 0.8	2
11.26 - 33.75 NNE	14.0 +- 1.0	3
33.76 - 56.25 NE	No Data +- No Data	0
56.26 - 78.75 ENE	No Data +- No Data	0
78.76 - 101.25 E	No Data +- No Data	0
101.26 - 123.75 ESE	No Data +- No Data	0
123.76 - 146.25 SE	No Data +- No Data	0
146.26 - 168.75 SSE	12.3 +- 0.3	2
168.76 - 191.25 S	15.0 +- 2.1	3
191.26 - 213.75 SSW	14.7 +- 2.8	3
213.76 - 236.25 SW	16.3 +- 1.0	3
236.26 - 258.75 WSW	16.6 +- 2.7	4
258.76 - 281.25 W	15.5 +- 1.3	3
281.26 - 303.75 WNW	15.2 +- 1.7	6
303.76 - 326.25 NW	15.0 +- 3.0	5
326.26 - 348.75 NNW	15.2 +- 1.4	5

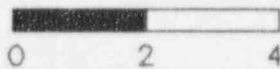
Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	15.4 +- 1.6	18
2 - 5	14.9 +- 2.6	14
> 5	14.7 +- 1.5	7
Upwind Control	12.4 +- 0.2	3



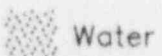
# NRC TLD DOSES FOR KEWAUNEE AREA



Miles



## Legend



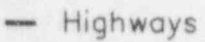
Water



Railroads



Plant site



Highways



Roads

## LACROSSE

TLD Direct Radiation Environmental Monitoring

For the period 950313-950726 136 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	5	20.0	21.1 +- 0.6; 3.2	14.1 +- 0.8; 4.5	15.0 +- 1.8
2	5	20.0	22.7 +- 0.7; 3.4	15.7 +- 0.8; 4.6	15.4 +- 1.5
3	3	20.0	23.4 +- 0.7; 3.5	16.4 +- 0.8; 4.7	15.8 +- 1.4
4	343	3.8	21.7 +- 0.7; 3.3	14.8 +- 0.8; 4.5	15.0 +- 1.5
5	313	3.8	24.1 +- 0.7; 3.6	17.1 +- 0.8; 4.8	17.2 +- 2.7
6	291	3.0	22.1 +- 0.7; 3.3	15.2 +- 0.8; 4.6	16.1 +- 1.5
7	261	4.8	23.7 +- 0.7; 3.6	16.8 +- 0.8; 4.8	17.7 +- 1.7
8	249	3.2	23.5 +- 0.7; 3.5	16.6 +- 0.8; 4.7	17.4 +- 1.8
9	214	5.0	24.6 +- 0.7; 3.7	17.6 +- 0.8; 4.8	15.8 +- 1.7
10	171	9.8	20.9 +- 0.6; 3.1	14.0 +- 0.8; 4.5	14.4 +- 1.4
11	176	5.1	23.2 +- 0.7; 3.5	16.2 +- 0.8; 4.7	14.8 +- 1.1
12	165	4.9	24.4 +- 0.7; 3.7	17.4 +- 0.8; 4.8	16.3 +- 1.3
13	138	3.5	23.5 +- 0.7; 3.5	16.5 +- 0.8; 4.7	16.6 +- 1.6
14	114	4.2	23.9 +- 0.7; 3.6	16.9 +- 0.8; 4.8	15.6 +- 1.5
15	97	3.9	22.7 +- 0.7; 3.4	15.7 +- 0.8; 4.6	14.7 +- 1.0
16	94	3.0	22.9 +- 0.7; 3.4	16.0 +- 0.8; 4.7	16.7 +- 1.6
17	105	2.0	20.7 +- 0.6; 3.1	13.7 +- 0.7; 4.4	16.6 +- 2.2
18	52	1.5	20.6 +- 0.6; 3.1	13.6 +- 0.7; 4.4	14.4 +- 1.4
19	16	1.5	22.7 +- 0.7; 3.4	15.8 +- 0.8; 4.6	14.6 +- 1.3
20	1	1.0	18.9 +- 0.6; 2.8	11.9 +- 0.7; 4.2	13.7 +- 1.3
21	358	0.5	23.4 +- 0.7; 3.5	16.4 +- 0.8; 4.7	17.2 +- 1.4
22	180	0.6	Missing Dosimeter	No Net Data	16.3 +- 1.3
23	134	1.7	21.2 +- 0.6; 3.2	14.2 +- 0.8; 4.5	16.5 +- 1.7
24	58	0.6	Missing Dosimeter	No Net Data	17.4 +- 1.7
25	59	3.1	23.4 +- 0.7; 3.5	16.5 +- 0.8; 4.7	17.3 +- 1.7
26	16	1.5	23.0 +- 0.7; 3.4	16.0 +- 0.8; 4.7	16.6 +- 1.6
27	26	5.1	21.2 +- 0.6; 3.2	14.3 +- 0.8; 4.5	15.5 +- 1.3
28	25	7.0	24.1 +- 0.7; 3.6	17.1 +- 0.8; 4.8	14.3 +- 1.7
29	4	4.8	23.5 +- 0.7; 3.5	16.5 +- 0.8; 4.7	16.1 +- 1.6

Transit Dose = 6.8 +- 0.4; 3.2

## LACROSSE

For the period 950313-950726

## TLD Direct Radiation Environmental Monitoring

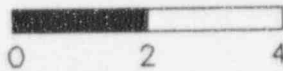
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	15.0 +- 2.6	3
11.26 - 33.75 NNE	15.8 +- 1.2	4
33.76 - 56.25 NE	13.6 +- 0.0	1
56.26 - 78.75 ENE	16.5 +- 0.0	1
78.76 - 101.25 E	15.8 +- 0.2	2
101.26 - 123.75 ESE	15.3 +- 2.3	2
123.76 - 146.25 SE	15.4 +- 1.6	2
146.26 - 168.75 SSE	17.4 +- 0.0	1
168.76 - 191.25 S	15.1 +- 1.6	2
191.26 - 213.75 SSW	No Data +- No Data	0
213.76 - 236.25 SW	17.6 +- 0.0	1
236.26 - 258.75 WSW	16.6 +- 0.0	1
258.76 - 281.25 W	16.8 +- 0.0	1
281.26 - 303.75 WNW	15.2 +- 0.0	1
303.76 - 326.25 NW	17.1 +- 0.0	1
326.26 - 348.75 NNW	14.8 +- 0.0	1

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	14.5 +- 1.6	7
2 - 5	16.4 +- 0.8	13
> 5	15.4 +- 1.5	4
Upwind Control	15.4 +- 1.2	3

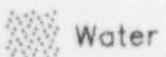
# NRC TLD DOSES FOR LACROSSE AREA



Miles



## Legend



Water

Highways

Railroads

Roads



Plant..site



## LASALLE

TLD Direct Radiation Environmental Monitoring

For the period 950313-950726 136 Days

Field Time: 96 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	302	10.0	22.4	+ - 0.7; 3.4	18.5	+ - 0.7; 4.2	17.2	+ - 1.3
2	335	5.3	24.2	+ - 0.7; 3.6	20.1	+ - 0.7; 4.4	19.7	+ - 1.6
3	343	5.8	19.9	+ - 0.6; 3.0	16.1	+ - 0.6; 4.0	15.6	+ - 1.3
4	38	5.5	21.8	+ - 0.7; 3.3	17.9	+ - 0.7; 4.2	18.8	+ - 2.4
5	39	4.3	18.7	+ - 0.6; 2.8	15.0	+ - 0.6; 3.8	14.6	+ - 1.2
6	27	3.8	21.3	+ - 0.6; 3.2	17.4	+ - 0.7; 4.1	17.2	+ - 1.3
7	2	4.1	Missing Dosimeter		No Net Data		19.5	+ - 1.5
8	304	4.6	23.6	+ - 0.7; 3.5	19.6	+ - 0.7; 4.4	19.1	+ - 1.4
9	292	3.9	21.8	+ - 0.7; 3.3	17.9	+ - 0.7; 4.2	19.4	+ - 2.8
10	281	3.7	25.1	+ - 0.8; 3.8	21.0	+ - 0.8; 4.5	18.9	+ - 1.9
11	248	4.0	24.0	+ - 0.7; 3.6	19.9	+ - 0.7; 4.4	18.3	+ - 1.4
12	222	12.0	22.6	+ - 0.7; 3.4	18.6	+ - 0.7; 4.2	17.5	+ - 1.3
13	212	18.0	23.3	+ - 0.7; 3.5	19.3	+ - 0.7; 4.3	18.3	+ - 1.3
14	212	18.0	24.2	+ - 0.7; 3.6	20.1	+ - 0.7; 4.4	18.9	+ - 1.4
15	212	18.0	23.9	+ - 0.7; 3.6	19.8	+ - 0.7; 4.4	18.6	+ - 1.5
16	215	4.4	23.4	+ - 0.7; 3.5	19.3	+ - 0.7; 4.3	19.7	+ - 1.2
17	204	4.0	23.7	+ - 0.7; 3.6	19.7	+ - 0.7; 4.4	19.0	+ - 1.4
18	173	4.6	24.6	+ - 0.7; 3.7	20.5	+ - 0.8; 4.5	19.4	+ - 1.4
19	174	6.4	22.1	+ - 0.7; 3.3	18.2	+ - 0.7; 4.2	17.1	+ - 1.1
20	158	3.6	22.1	+ - 0.7; 3.3	18.2	+ - 0.7; 4.2	18.6	+ - 1.5
21	124	4.2	23.5	+ - 0.7; 3.5	19.5	+ - 0.7; 4.3	19.3	+ - 1.7
22	114	3.8	24.4	+ - 0.7; 3.7	20.4	+ - 0.7; 4.4	18.7	+ - 1.3
23	97	4.5	23.7	+ - 0.7; 3.6	19.7	+ - 0.7; 4.4	18.0	+ - 1.5
24	72	4.7	25.7	+ - 0.8; 3.8	21.5	+ - 0.8; 4.6	19.7	+ - 1.5
25	41	2.0	23.8	+ - 0.7; 3.6	19.8	+ - 0.7; 4.4	18.8	+ - 1.4
26	11	1.6	24.2	+ - 0.7; 3.6	20.2	+ - 0.7; 4.4	18.5	+ - 1.3
27	358	1.5	23.7	+ - 0.7; 3.6	19.7	+ - 0.7; 4.4	19.2	+ - 1.3
28	336	1.6	23.3	+ - 0.7; 3.5	19.3	+ - 0.7; 4.3	18.2	+ - 1.3
29	310	2.3	21.7	+ - 0.6; 3.2	17.8	+ - 0.7; 4.1	17.5	+ - 1.6
30	301	2.0	26.3	+ - 0.8; 3.9	22.1	+ - 0.8; 4.6	20.8	+ - 1.5
31	271	1.7	23.6	+ - 0.7; 3.5	19.5	+ - 0.7; 4.3	18.4	+ - 1.4
32	256	1.8	27.5	+ - 0.8; 4.1	23.2	+ - 0.8; 4.8	19.2	+ - 1.6
33	227	2.4	25.4	+ - 0.8; 3.8	21.3	+ - 0.8; 4.6	20.3	+ - 1.6
34	204	1.7	23.6	+ - 0.7; 3.5	19.6	+ - 0.7; 4.4	18.6	+ - 1.3
35	165	1.6	27.2	+ - 0.8; 4.1	23.0	+ - 0.8; 4.8	19.3	+ - 2.1
36	149	1.8	24.0	+ - 0.7; 3.6	20.0	+ - 0.7; 4.4	19.5	+ - 1.4
37	139	2.1	22.2	+ - 0.7; 3.3	18.3	+ - 0.7; 4.2	18.8	+ - 1.3
38	111	1.5	22.5	+ - 0.7; 3.4	18.5	+ - 0.7; 4.2	16.8	+ - 1.2
39	265	0.6	25.4	+ - 0.8; 3.8	21.2	+ - 0.8; 4.5	19.7	+ - 1.6

Transit Dose = 2.7 + - 0.3; 3.0

## LASALLE

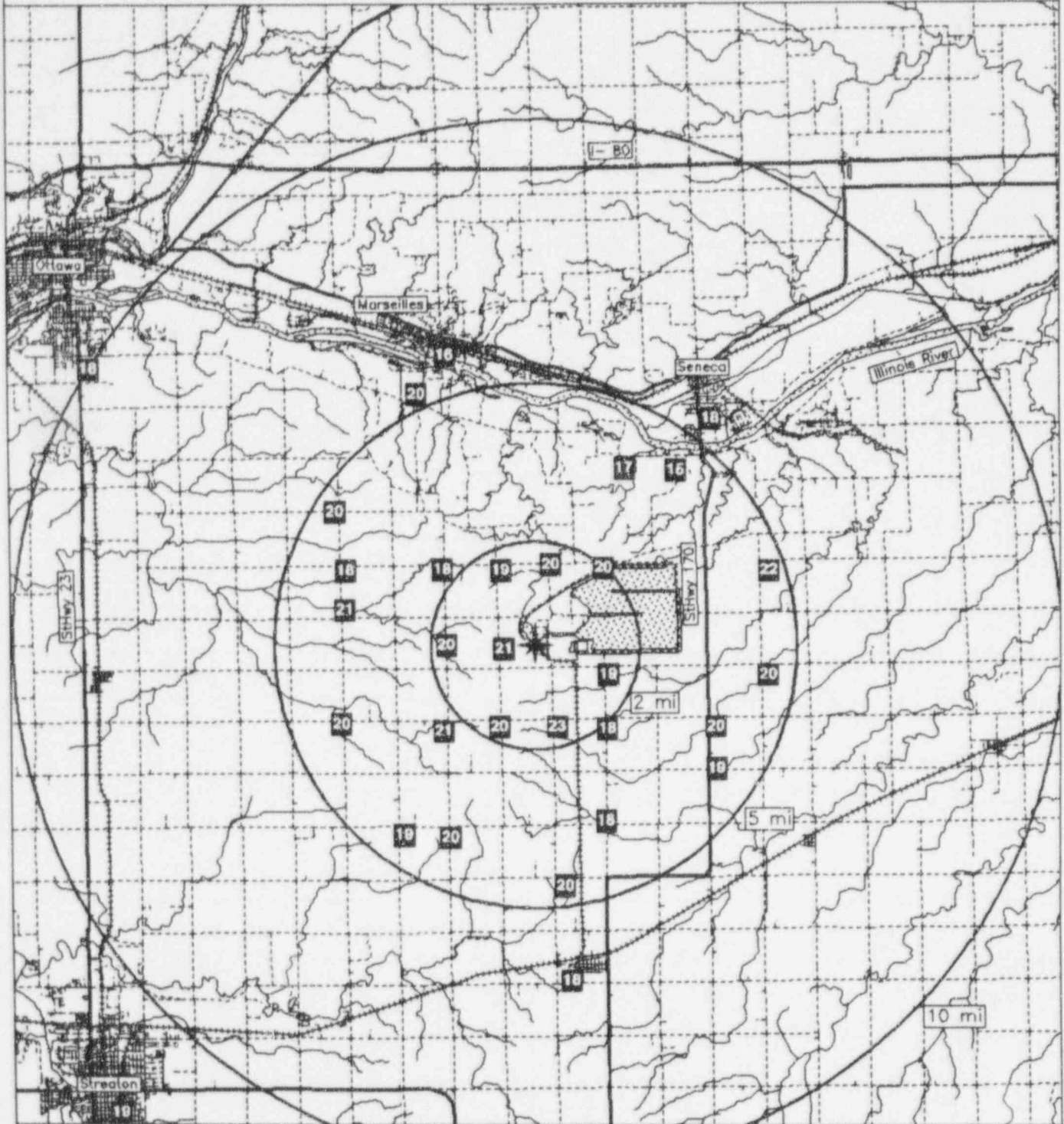
For the period 950313-950726

## TLD Direct Radiation Environmental Monitoring

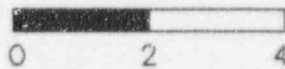
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	19.9 +- 0.3	2
11.26 - 33.75 NNE	17.4 +- 0.0	1
33.76 - 56.25 NE	17.5 +- 2.4	3
56.26 - 78.75 ENE	21.5 +- 0.0	1
78.76 - 101.25 E	19.7 +- 0.0	1
101.26 - 123.75 ESE	19.4 +- 1.3	2
123.76 - 146.25 SE	18.9 +- 0.8	2
146.26 - 168.75 SSE	20.4 +- 2.4	3
168.76 - 191.25 S	19.3 +- 1.6	2
191.26 - 213.75 SSW	19.6 +- 0.1	2
213.76 - 236.25 SW	19.7 +- 1.4	3
236.26 - 258.75 WSW	21.6 +- 2.3	2
258.76 - 281.25 W	20.6 +- 0.9	3
281.26 - 303.75 WNW	19.5 +- 2.3	3
303.76 - 326.25 NW	18.7 +- 1.3	2
326.26 - 348.75 NNW	18.5 +- 2.1	3

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	20.5 +- 1.5	12
2 - 5	19.2 +- 1.7	17
> 5	18.2 +- 1.3	6
Upwind Control	19.8 +- 0.4	3

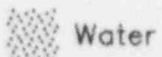
# NRC TLD DOSES FOR LASALLE AREA



Miles



### Legend



Water

--- Railroads



Plant site

— Highways

--- Roads

## LIMERICK

TLD Direct Radiation Environmental Monitoring

For the period 950312-950711 122 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	115	8.5	27.3	+- 0.8; 4.1	22.7	+- 0.8; 4.6	22.8	+- 1.6
3	85	3.7	22.2	+- 0.7; 3.3	18.2	+- 0.7; 4.1	18.9	+- 1.4
4	46	3.3	23.2	+- 0.7; 3.5	19.0	+- 0.7; 4.2	19.4	+- 1.5
5	20	3.7	22.4	+- 0.7; 3.4	18.3	+- 0.7; 4.1	19.3	+- 1.4
6	7	4.6	24.2	+- 0.7; 3.6	20.0	+- 0.7; 4.3	20.1	+- 1.5
7	340	7.2	22.3	+- 0.7; 3.3	18.3	+- 0.7; 4.1	17.9	+- 1.7
8	332	4.0	23.9	+- 0.7; 3.6	19.7	+- 0.7; 4.3	19.0	+- 1.4
9	313	3.4	23.0	+- 0.7; 3.4	18.8	+- 0.7; 4.2	19.0	+- 1.4
10	291	4.9	25.9	+- 0.8; 3.9	21.5	+- 0.8; 4.5	20.6	+- 1.7
11	304	3.0	29.6	+- 0.9; 4.4	24.9	+- 0.9; 4.9	24.3	+- 1.7
12	316	1.9	22.5	+- 0.7; 3.4	18.5	+- 0.7; 4.1	18.1	+- 1.3
13	347	1.9	25.0	+- 0.8; 3.8	20.7	+- 0.7; 4.4	20.3	+- 1.4
14	339	1.5	20.3	+- 0.6; 3.0	16.4	+- 0.6; 3.9	17.2	+- 1.2
15	41	1.7	21.5	+- 0.6; 3.2	17.5	+- 0.7; 4.0	18.3	+- 1.4
16	66	2.6	21.4	+- 0.6; 3.2	17.4	+- 0.6; 4.0	19.2	+- 1.5
17	5	0.6	20.6	+- 0.6; 3.1	16.7	+- 0.6; 3.9	18.3	+- 1.8
18	300	0.7	23.8	+- 0.7; 3.6	19.6	+- 0.7; 4.3	18.5	+- 1.6
19	291	0.7	21.9	+- 0.7; 3.3	17.9	+- 0.7; 4.1	18.3	+- 1.6
20	260	0.7	23.1	+- 0.7; 3.5	18.9	+- 0.7; 4.2	18.0	+- 1.4
21	234	0.9	22.6	+- 0.7; 3.4	18.5	+- 0.7; 4.1	18.2	+- 1.4
22	210	1.1	23.4	+- 0.7; 3.5	19.3	+- 0.7; 4.2	19.0	+- 1.2
23	174	1.7	21.2	+- 0.6; 3.2	17.3	+- 0.6; 4.0	17.0	+- 1.3
24	149	1.5	21.4	+- 0.6; 3.2	17.4	+- 0.6; 4.0	17.4	+- 1.4
25	124	1.0	24.9	+- 0.7; 3.7	20.6	+- 0.7; 4.4	19.6	+- 1.3
26	114	1.1	23.5	+- 0.7; 3.5	19.3	+- 0.7; 4.2	19.8	+- 1.5
27	160	1.0	23.4	+- 0.7; 3.5	19.2	+- 0.7; 4.2	18.8	+- 1.3
28	81	1.0	21.9	+- 0.7; 3.3	17.9	+- 0.7; 4.1	18.3	+- 1.6
29	51	0.7	23.9	+- 0.7; 3.6	19.7	+- 0.7; 4.3	18.9	+- 1.5
30	144	3.2	28.5	+- 0.9; 4.3	23.8	+- 0.8; 4.8	22.1	+- 1.7
31	158	2.6	23.1	+- 0.7; 3.5	19.0	+- 0.7; 4.2	19.0	+- 2.1
32	153	7.3	21.6	+- 0.6; 3.2	17.6	+- 0.7; 4.0	17.6	+- 1.3
33	186	4.2	21.7	+- 0.7; 3.3	17.7	+- 0.7; 4.1	16.9	+- 1.4
34	194	3.8	19.9	+- 0.6; 3.0	16.1	+- 0.6; 3.9	16.8	+- 1.5
35	229	5.1	22.9	+- 0.7; 3.4	18.8	+- 0.7; 4.2	18.6	+- 1.4
36	251	4.1	27.4	+- 0.8; 4.1	22.9	+- 0.8; 4.7	19.3	+- 2.0
37	270	3.0	19.4	+- 0.6; 2.9	15.6	+- 0.6; 3.8	15.6	+- 1.2
38	293	11.9	24.7	+- 0.7; 3.7	20.4	+- 0.7; 4.4	20.1	+- 1.6
39	293	11.9	25.1	+- 0.8; 3.8	20.8	+- 0.7; 4.4	20.1	+- 1.6
40	293	11.9	25.9	+- 0.8; 3.9	21.6	+- 0.8; 4.5	20.7	+- 1.7
41	126	2.9	20.9	+- 0.6; 3.1	17.0	+- 0.6; 4.0	15.9	+- 1.5
42	111	4.3	25.6	+- 0.8; 3.8	21.3	+- 0.8; 4.5	18.9	+- 1.5

Transit Dose = 2.2 +- 0.3; 3.1



## LIMERICK

For the period 950312-950711

## TLD Direct Radiation Environmental Monitoring

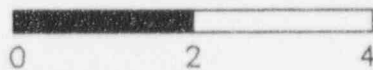
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	18.3 +- 2.4	2
11.26 - 33.75 NNE	18.3 +- 0.0	1
33.76 - 56.25 NE	18.7 +- 1.1	3
56.26 - 78.75 ENE	17.4 +- 0.0	1
78.76 - 101.25 E	18.0 +- 0.2	2
101.26 - 123.75 ESE	21.1 +- 1.7	3
123.76 - 146.25 SE	20.5 +- 3.4	3
146.26 - 168.75 SSE	18.3 +- 0.9	4
168.76 - 191.25 S	17.5 +- 0.3	2
191.26 - 213.75 SSW	17.7 +- 2.3	2
213.76 - 236.25 SW	18.7 +- 0.3	2
236.26 - 258.75 WSW	22.9 +- 0.0	1
258.76 - 281.25 W	17.3 +- 2.3	2
281.26 - 303.75 WNW	19.6 +- 1.8	3
303.76 - 326.25 NW	20.7 +- 3.6	3
326.26 - 348.75 NNW	18.8 +- 1.9	4

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	18.6 +- 1.3	17
2 - 5	19.5 +- 2.6	17
> 5	19.4 +- 2.3	4
Upwind Control	20.9 +- 0.6	3

# NRC TLD DOSES FOR LIMERICK AREA



Miles



### Legend



Water



Highways

--- Railroads

--- Roads



Plant..site

## MAINE YANKEE

TLD Direct Radiation Environmental Monitoring

For the period 95035-950725 133 Days

Field Time: 86 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)		Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	340	1.0	23.6 +- 0.7; 3.5	21.4 +- 0.8; 4.7	18.8 +- 2.2
2	6	1.4	22.4 +- 0.7; 3.4	20.1 +- 0.8; 4.5	17.7 +- 2.5
3	23	1.5	22.1 +- 0.7; 3.3	19.8 +- 0.8; 4.5	17.3 +- 2.1
4	44	1.8	20.8 +- 0.6; 3.1	18.5 +- 0.7; 4.4	17.2 +- 2.5
5	116	0.5	21.3 +- 0.6; 3.2	19.1 +- 0.7; 4.4	17.2 +- 2.4
6	168	1.0	22.5 +- 0.7; 3.4	20.3 +- 0.8; 4.6	18.1 +- 2.2
7	185	1.6	20.4 +- 0.6; 3.1	18.1 +- 0.7; 4.3	16.7 +- 1.9
8	195	2.3	23.0 +- 0.7; 3.4	20.8 +- 0.8; 4.6	17.7 +- 2.4
9	209	3.8	22.0 +- 0.7; 3.3	19.8 +- 0.8; 4.5	17.2 +- 2.1
10	310	1.7	21.8 +- 0.7; 3.3	19.5 +- 0.8; 4.5	17.3 +- 2.5
11	290	1.8	Missing Dosimeter	No Net Data	19.9 +- 2.8
12	275	1.7	24.2 +- 0.7; 3.6	22.0 +- 0.8; 4.8	18.9 +- 2.3
13	256	1.9	22.8 +- 0.7; 3.4	20.6 +- 0.8; 4.6	17.6 +- 2.4
14	232	2.5	23.9 +- 0.7; 3.6	21.7 +- 0.8; 4.7	18.5 +- 1.7
15	227	5.3	23.9 +- 0.7; 3.6	21.7 +- 0.8; 4.7	18.4 +- 2.5
16	246	4.4	25.2 +- 0.8; 3.8	23.1 +- 0.9; 4.9	19.5 +- 2.5
17	250	6.6	28.4 +- 0.9; 4.3	26.5 +- 0.9; 5.3	23.7 +- 2.1
18	268	4.7	23.5 +- 0.7; 3.5	21.3 +- 0.8; 4.7	18.5 +- 2.3
19	283	4.4	23.2 +- 0.7; 3.5	21.0 +- 0.8; 4.6	17.9 +- 1.7
20	305	4.7	22.8 +- 0.7; 3.4	20.6 +- 0.8; 4.6	17.7 +- 2.7
21	300	2.9	Missing Dosimeter	No Net Data	18.3 +- 2.5
22	332	2.7	23.4 +- 0.7; 3.5	21.2 +- 0.8; 4.7	18.9 +- 2.9
23	20	3.9	23.5 +- 0.7; 3.5	21.3 +- 0.8; 4.7	18.7 +- 2.7
24	23	3.0	Damaged Dosimeter	No Net Data	19.2 +- 2.6
25	42	4.7	23.2 +- 0.7; 3.5	21.0 +- 0.8; 4.6	18.8 +- 2.4
26	60	15.0	22.1 +- 0.7; 3.3	19.9 +- 0.8; 4.5	17.2 +- 2.5
27	62	16.0	Missing Dosimeter	No Net Data	16.1 +- 2.1
28	63	16.0	22.0 +- 0.7; 3.3	19.7 +- 0.8; 4.5	17.4 +- 2.2
29	64	2.1	24.9 +- 0.7; 3.7	22.7 +- 0.8; 4.8	20.1 +- 2.7
30	84	1.5	21.6 +- 0.6; 3.2	19.3 +- 0.7; 4.4	16.8 +- 2.0
31	115	1.6	20.0 +- 0.6; 3.0	17.6 +- 0.7; 4.3	17.0 +- 2.3
32	135	2.0	20.5 +- 0.6; 3.1	18.1 +- 0.7; 4.3	16.4 +- 2.1
33	66	3.5	22.1 +- 0.7; 3.3	19.9 +- 0.8; 4.5	17.8 +- 2.4
34	97	4.9	23.7 +- 0.7; 3.6	21.5 +- 0.8; 4.7	18.6 +- 2.0
35	123	4.8	23.6 +- 0.7; 3.5	21.5 +- 0.8; 4.7	18.7 +- 2.0
36	140	4.9	20.7 +- 0.6; 3.1	18.4 +- 0.7; 4.3	17.5 +- 3.0
37	151	6.0	24.1 +- 0.7; 3.6	21.9 +- 0.8; 4.7	18.6 +- 2.5
38	152	4.2	25.1 +- 0.8; 3.8	23.0 +- 0.9; 4.9	19.4 +- 2.2
39	172	4.9	23.0 +- 0.7; 3.5	20.8 +- 0.8; 4.6	17.5 +- 1.9
40	156	7.4	21.0 +- 0.6; 3.1	18.7 +- 0.7; 4.4	18.1 +- 2.1

Transit Dose = 3.1 +- 0.3; 2.7

MAINE YANKEE  
For the period 950315-950725

TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	20.1 +- 0.0	1
11.26 - 33.75 NNE	20.6 +- 1.1	2
33.76 - 56.25 NE	19.7 +- 1.8	2
56.26 - 78.75 ENE	21.3 +- 2.0	2
78.76 - 101.25 E	20.4 +- 1.6	2
101.26 - 123.75 ESE	19.4 +- 1.9	3
123.76 - 146.25 SE	18.3 +- 0.2	2
146.26 - 168.75 SSE	21.0 +- 1.9	4
168.76 - 191.25 S	19.5 +- 1.9	2
191.26 - 213.75 SSW	20.3 +- 0.7	2
213.76 - 236.25 SW	21.7 +- 0.0	2
236.26 - 258.75 WSW	23.4 +- 2.9	3
258.76 - 281.25 W	21.6 +- 0.5	2
281.26 - 303.75 WNW	21.0 +- 0.0	1
303.76 - 326.25 NW	20.0 +- 0.7	2
326.26 - 348.75 NNW	21.3 +- 0.1	2

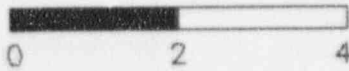
Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	19.6 +- 1.3	13
2 - 5	21.2 +- 1.2	17
> 5	22.2 +- 3.2	4
Upwind Control	19.8 +- 0.1	2



# NRC TLD DOSES FOR MAINE YANKEE AREA



Miles



## Legend

Water

Highways

Railroads

Roads

Plant site

## MCGUIRE

TLD Direct Radiation Environmental Monitoring

For the period 950314-950712 121 Days

Field Time: 85 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	15.7 +- 0.5;	2.4	11.2 +- 0.6;	4.0	13.9 +- 2.7	
2	323	1.6	19.4 +- 0.6;	2.9	15.1 +- 0.7;	4.4	16.4 +- 2.0	
3	336	1.7	19.8 +- 0.6;	3.0	15.5 +- 0.7;	4.4	17.4 +- 2.5	
4	303	2.9	18.4 +- 0.6;	2.8	13.9 +- 0.7;	4.2	15.8 +- 3.3	
5	321	3.9	18.4 +- 0.6;	2.8	14.0 +- 0.7;	4.2	16.0 +- 2.0	
6	334	3.7	17.6 +- 0.5;	2.6	13.1 +- 0.7;	4.2	15.7 +- 2.5	
7	352	3.5	14.7 +- 0.4;	2.2	10.1 +- 0.6;	3.9	14.2 +- 2.2	
8	287	2.0	22.6 +- 0.7;	3.4	18.4 +- 0.8;	4.7	17.5 +- 2.9	
9	273	1.9	15.4 +- 0.5;	2.3	10.8 +- 0.6;	3.9	15.4 +- 2.9	
10	244	1.7	16.3 +- 0.5;	2.4	11.8 +- 0.6;	4.0	14.4 +- 2.4	
11	205	2.1	16.2 +- 0.5;	2.4	11.7 +- 0.6;	4.0	14.0 +- 2.5	
12	212	3.6	18.1 +- 0.5;	2.7	13.6 +- 0.7;	4.2	15.6 +- 2.1	
13	232	4.4	23.0 +- 0.7;	3.4	18.8 +- 0.8;	4.8	21.4 +- 2.3	
14	253	3.7	19.7 +- 0.6;	3.0	15.4 +- 0.7;	4.4	18.6 +- 2.8	
15	261	4.2	16.9 +- 0.5;	2.5	12.4 +- 0.7;	4.1	14.5 +- 2.1	
16	288	4.3	23.3 +- 0.7;	3.5	19.2 +- 0.8;	4.8	21.5 +- 2.4	
17	288	17.0	25.5 +- 0.8;	3.8	21.5 +- 0.9;	5.1	22.2 +- 2.0	
18	287	2.0	20.8 +- 0.6;	3.1	16.6 +- 0.8;	4.5	20.5 +- 3.0	
19	286	17.0	21.4 +- 0.6;	3.2	17.2 +- 0.8;	4.6	21.5 +- 3.5	
20	233	18.0	Missing Dosimeter		No Net Data		21.2 +- 2.5	
21	204	10.0	17.9 +- 0.5;	2.7	13.5 +- 0.7;	4.2	15.4 +- 2.6	
22	239	9.5	Missing Dosimeter		No Net Data		16.8 +- 2.4	
23	115	4.9	13.6 +- 0.4;	2.0	8.9 +- 0.6;	3.8	12.7 +- 2.7	
24	132	4.9	14.2 +- 0.4;	2.1	9.5 +- 0.6;	3.8	13.3 +- 2.1	
25	156	4.0	13.3 +- 0.4;	2.0	8.6 +- 0.6;	3.7	11.2 +- 2.3	
26	175	3.7	15.4 +- 0.5;	2.3	10.8 +- 0.6;	3.9	13.5 +- 2.2	
27	198	4.3	21.8 +- 0.7;	3.3	17.6 +- 0.8;	4.6	18.7 +- 2.9	
28	169	13.0	15.3 +- 0.5;	2.3	10.7 +- 0.6;	3.9	13.9 +- 2.7	
29	155	13.0	15.8 +- 0.5;	2.4	11.2 +- 0.6;	4.0	13.8 +- 2.5	
30	146	14.0	15.4 +- 0.5;	2.3	10.8 +- 0.6;	3.9	12.9 +- 2.1	
31	143	1.9	12.8 +- 0.4;	1.9	8.1 +- 0.6;	3.7	13.3 +- 3.3	
32	155	1.3	14.7 +- 0.4;	2.2	10.0 +- 0.6;	3.9	14.1 +- 2.1	
33	178	1.6	13.8 +- 0.4;	2.1	9.1 +- 0.6;	3.8	12.7 +- 2.5	
34	108	2.0	16.2 +- 0.5;	2.4	11.6 +- 0.6;	4.0	14.4 +- 2.1	
35	93	2.2	15.0 +- 0.4;	2.2	10.3 +- 0.6;	3.9	13.8 +- 2.9	
36	68	2.5	16.3 +- 0.5;	2.5	11.8 +- 0.6;	4.0	14.1 +- 2.3	
37	82	4.7	14.6 +- 0.4;	2.2	10.0 +- 0.6;	3.9	13.9 +- 2.1	
38	64	4.9	15.1 +- 0.5;	2.3	10.5 +- 0.6;	3.9	14.2 +- 2.5	
39	42	5.0	14.5 +- 0.4;	2.2	9.8 +- 0.6;	3.8	17.5 +- 2.6	
40	26	4.3	16.0 +- 0.5;	2.4	11.4 +- 0.6;	4.0	14.5 +- 2.3	
41	42	2.0	14.2 +- 0.4;	2.1	9.6 +- 0.6;	3.8	12.3 +- 2.0	
42	21	1.6	16.1 +- 0.5;	2.4	11.5 +- 0.6;	4.0	16.3 +- 2.3	
43	8	2.6	19.3 +- 0.6;	2.9	14.9 +- 0.7;	4.3	17.4 +- 2.2	
44	37	13.0	21.3 +- 0.6;	3.2	17.0 +- 0.8;	4.6	20.9 +- 2.9	
45	78	19.0	25.5 +- 0.8;	3.8	21.4 +- 0.9;	5.1	23.1 +- 2.7	
46	94	19.0	18.4 +- 0.6;	2.8	13.9 +- 0.7;	4.2	17.5 +- 2.5	

Transit Dose = 5.2 +- 0.4; 2.9

MCGUIRE

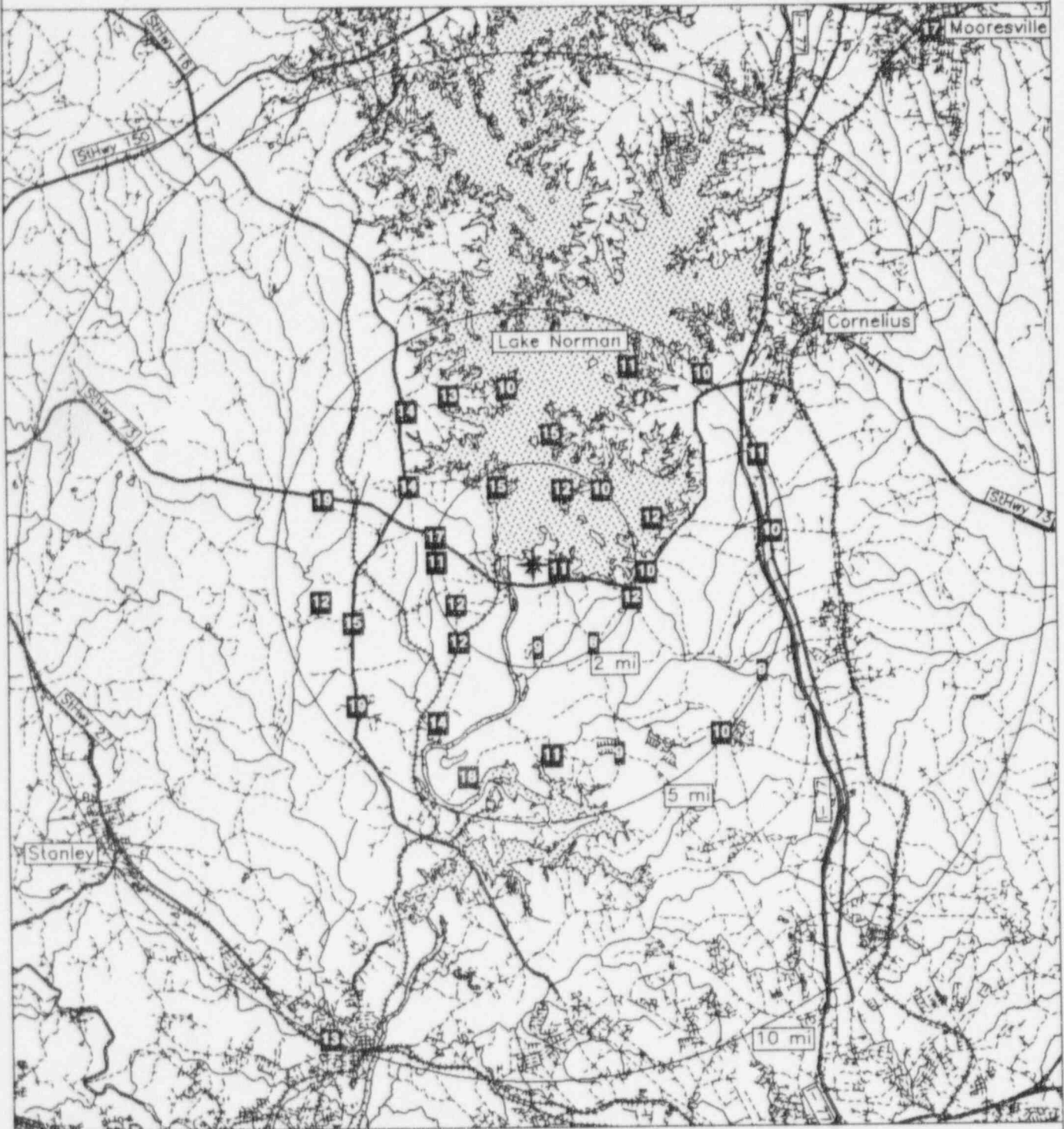
For the period 950314-950712

## TLD Direct Radiation Environmental Monitoring

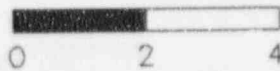
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	12.5 +- 3.4	2
11.26 - 33.75 NNE	11.5 +- 0.1	2
33.76 - 56.25 NE	12.1 +- 4.2	3
56.26 - 78.75 ENE	14.6 +- 6.0	3
78.76 - 101.25 E	11.4 +- 1.8	4
101.26 - 123.75 ESE	10.3 +- 1.9	2
123.76 - 146.25 SE	9.4 +- 1.4	3
146.26 - 168.75 SSE	9.9 +- 1.3	3
168.76 - 191.25 S	10.2 +- 0.9	3
191.26 - 213.75 SSW	14.9 +- 2.3	3
213.76 - 236.25 SW	15.3 +- 5.0	2
236.26 - 258.75 WSW	13.6 +- 2.6	2
258.76 - 281.25 W	11.6 +- 1.2	2
281.26 - 303.75 WNW	17.2 +- 2.8	3
303.76 - 326.25 NW	14.5 +- 0.8	2
326.26 - 348.75 NNW	14.3 +- 1.7	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	11.9 +- 3.0	12
2 - 5	12.6 +- 3.1	22
> 5	14.1 +- 4.0	7
Upwind Control	18.4 +- 2.7	3

# NRC TLD DOSES FOR McGUIRE AREA



Miles



### Legend



Water



Highways

--- Railroads

--- Roads



Plover site



## MILLSTONE

TLD Direct Radiation Environmental Monitoring

For the period 950315-950801 140 Days

Field Time: 97 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	0	1.0	25.5	+-	0.8; 3.8	19.4	+-	0.8; 4.6	19.7	+-	1.9
2	24	1.3	18.7	+-	0.6; 2.8	13.0	+-	0.6; 3.9	15.1	+-	1.7
3	47	1.5	25.4	+-	0.8; 3.8	19.3	+-	0.8; 4.6	19.6	+-	1.7
4	60	1.7	22.7	+-	0.7; 3.4	16.8	+-	0.7; 4.3	17.8	+-	1.9
5	85	1.3	24.6	+-	0.7; 3.7	18.6	+-	0.8; 4.5	18.8	+-	1.6
6	110	1.8	23.8	+-	0.7; 3.6	17.8	+-	0.7; 4.4	18.4	+-	1.7
7	67	5.3	24.7	+-	0.7; 3.7	18.6	+-	0.8; 4.5	19.6	+-	2.2
8	49	5.3	26.2	+-	0.8; 3.9	20.0	+-	0.8; 4.7	19.6	+-	1.9
9	84	5.2	23.2	+-	0.7; 3.5	17.2	+-	0.7; 4.4	17.8	+-	1.6
11	232	2.5	22.8	+-	0.7; 3.4	16.8	+-	0.7; 4.3	17.4	+-	1.8
12	256	2.4	26.7	+-	0.8; 4.0	20.5	+-	0.8; 4.3	19.7	+-	1.7
13	274	2.2	25.7	+-	0.8; 3.9	19.6	+-	0.8; 4.6	19.6	+-	1.9
14	295	1.9	27.2	+-	0.8; 4.1	21.0	+-	0.8; 4.8	20.6	+-	2.3
15	315	1.5	20.7	+-	0.6; 3.1	14.9	+-	0.7; 4.1	15.7	+-	1.8
16	339	1.2	26.0	+-	0.8; 3.9	19.8	+-	0.8; 4.7	19.7	+-	1.7
17	353	3.5	24.1	+-	0.7; 3.6	18.1	+-	0.8; 4.5	18.5	+-	1.9
18	24	3.5	25.8	+-	0.8; 3.9	19.7	+-	0.8; 4.7	19.2	+-	2.0
19	33	3.0	27.4	+-	0.8; 4.1	21.2	+-	0.8; 4.8	20.5	+-	2.3
20	82	4.0	23.1	+-	0.7; 3.5	17.2	+-	0.7; 4.4	17.9	+-	1.2
22	59	3.7	25.7	+-	0.8; 3.9	19.6	+-	0.8; 4.6	20.1	+-	1.9
28	257	5.8	24.7	+-	0.7; 3.7	18.6	+-	0.8; 4.5	21.6	+-	3.0
29	272	3.7	27.5	+-	0.8; 4.1	21.2	+-	0.8; 4.8	21.3	+-	2.2
30	295	3.5	26.3	+-	0.8; 4.0	20.1	+-	0.8; 4.7	20.9	+-	2.1
31	317	3.6	22.9	+-	0.7; 3.4	16.9	+-	0.7; 4.3	18.1	+-	1.8
32	327	4.3	27.5	+-	0.8; 4.1	21.2	+-	0.8; 4.8	21.3	+-	2.0
33	41	4.7	24.1	+-	0.7; 3.6	18.1	+-	0.8; 4.5	19.4	+-	1.7
34	54	5.5	24.8	+-	0.7; 3.7	18.7	+-	0.8; 4.5	20.7	+-	2.0
37	354	6.8	24.7	+-	0.7; 3.7	18.6	+-	0.8; 4.5	19.0	+-	1.7
39	1	5.7	23.2	+-	0.7; 3.5	17.2	+-	0.7; 4.4	18.5	+-	1.6
40	278	8.7	Missing Dosimeter			No Net Data			16.6	+-	1.8
41	34	11.0	27.5	+-	0.8; 4.1	21.3	+-	0.8; 4.8	24.0	+-	2.0
42	84	8.0	24.2	+-	0.7; 3.6	18.2	+-	0.8; 4.5	18.9	+-	1.8
46	41	0.6	23.5	+-	0.7; 3.5	17.5	+-	0.7; 4.4	18.3	+-	1.8
48	4	40.0	32.1	+-	1.0; 4.8	25.5	+-	1.0; 5.4	23.9	+-	2.6
49	4	40.0	30.7	+-	0.9; 4.6	24.1	+-	0.9; 5.2	24.0	+-	2.6

Transit Dose = 4.6 +- 0.4; 3.2

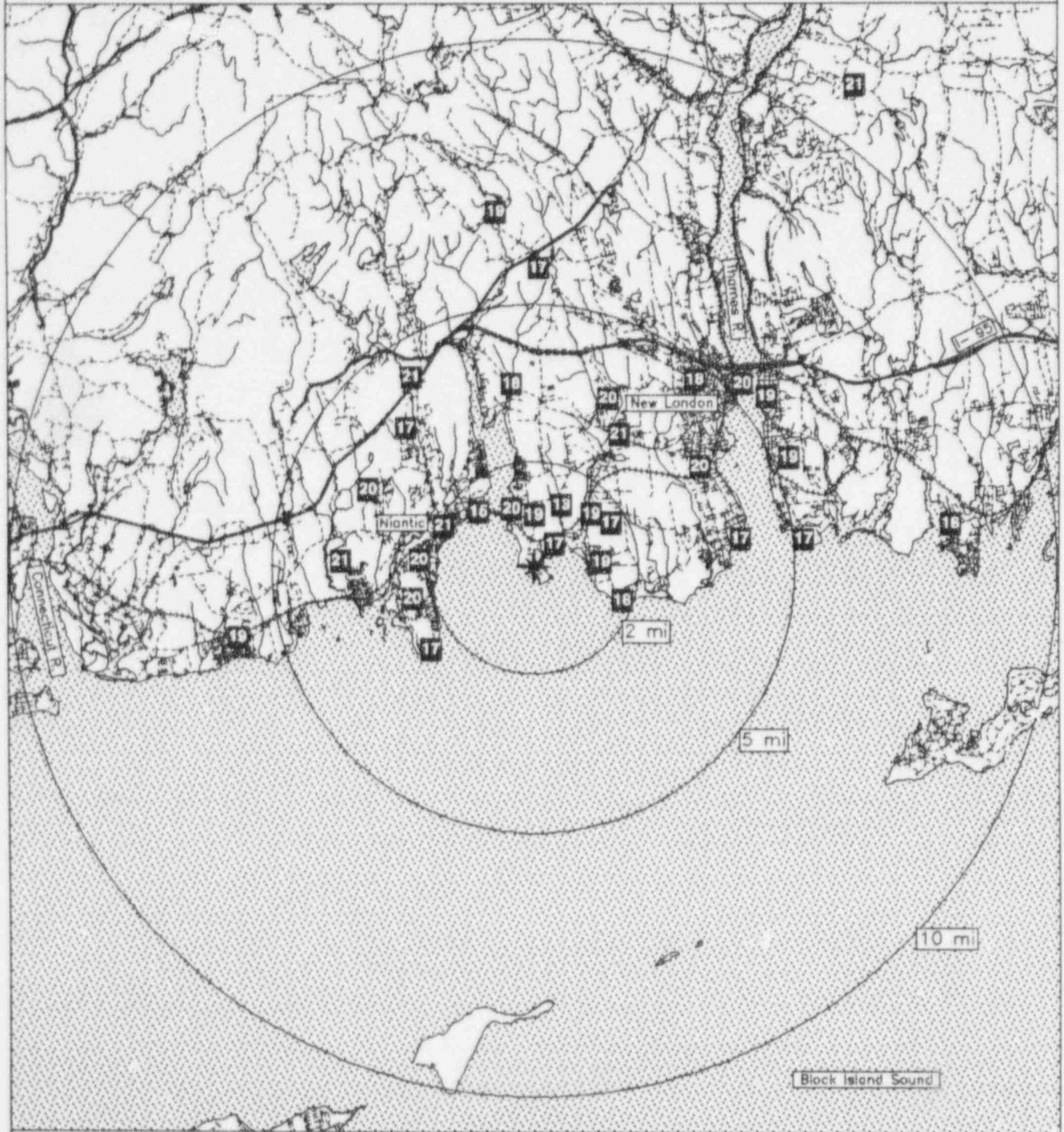
MILLSTONE  
For the period 950315-950801

TLD Direct Radiation Environmental Monitoring

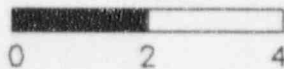
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	18.3 +- 0.9	4
11.26 - 33.75 NNE	17.9 +- 4.3	3
33.76 - 56.25 NE	19.1 +- 1.4	6
56.26 - 78.75 ENE	18.3 +- 1.4	3
78.76 - 101.25 E	17.8 +- 0.7	4
101.26 - 123.75 ESE	17.8 +- 0.0	1
123.76 - 146.25 SE	No Data +- No 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	16.8 +- 0.0	1
236.26 - 258.75 WSW	19.5 +- 1.3	2
258.76 - 281.25 W	20.4 +- 1.2	2
281.26 - 303.75 WNW	20.5 +- 0.6	2
303.76 - 326.25 NW	15.9 +- 1.4	2
326.26 - 348.75 NNW	20.5 +- 1.0	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	17.8 +- 2.4	10
2 - 5	19.2 +- 1.6	13
> 5	18.7 +- 1.3	9
Upwind Control	24.8 +- 0.9	2

# NRC TLD DOSES FOR MILLSTONE AREA



Miles



### Legend

Water

Highways

Railroads

Roads

Plant..site

## MONTICELLO

TLD Direct Radiation Environmental Monitoring

For the period 950313-950712 122 Days

Field Time: 91 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)	Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	133 3.6	21.3 +- 0.6; 3.2	18.8 +- 0.7; 4.2	16.7 +- 1.3
2	163 4.6	21.8 +- 0.7; 3.3	19.3 +- 0.7; 4.3	17.4 +- 1.3
3	183 4.1	22.6 +- 0.7; 3.4	20.1 +- 0.7; 4.4	17.7 +- 1.3
4	206 4.3	21.8 +- 0.7; 3.3	19.3 +- 0.7; 4.3	17.4 +- 1.4
5	230 4.2	23.0 +- 0.7; 3.4	20.4 +- 0.7; 4.4	18.9 +- 1.8
6	253 4.6	20.9 +- 0.6; 3.1	18.4 +- 0.7; 4.2	17.7 +- 1.5
7	269 4.4	20.3 +- 0.6; 3.0	17.8 +- 0.7; 4.1	17.1 +- 1.5
8	286 4.0	22.1 +- 0.7; 3.3	19.5 +- 0.7; 4.3	17.9 +- 1.5
9	274 1.9	20.5 +- 0.6; 3.1	18.0 +- 0.7; 4.1	16.9 +- 1.3
10	244 1.3	17.7 +- 0.5; 2.7	15.2 +- 0.6; 3.8	15.4 +- 1.4
11	226 0.9	20.3 +- 0.6; 3.0	17.8 +- 0.7; 4.1	16.7 +- 1.4
12	181 1.8	20.9 +- 0.6; 3.1	18.4 +- 0.7; 4.2	17.0 +- 1.4
13	137 1.7	20.2 +- 0.6; 3.0	17.7 +- 0.7; 4.1	16.9 +- 1.4
14	155 1.0	21.2 +- 0.6; 3.2	18.7 +- 0.7; 4.2	17.0 +- 1.2
15	208 0.6	20.5 +- 0.6; 3.1	18.0 +- 0.7; 4.1	16.5 +- 1.3
16	284 2.0	20.2 +- 0.6; 3.0	17.7 +- 0.7; 4.1	16.5 +- 1.2
17	113 1.6	22.0 +- 0.7; 3.3	19.4 +- 0.7; 4.3	16.7 +- 1.7
18	85 1.1	20.1 +- 0.6; 3.0	17.6 +- 0.7; 4.1	16.4 +- 1.4
19	63 1.2	22.4 +- 0.7; 3.4	19.9 +- 0.7; 4.3	16.7 +- 1.4
20	37 1.7	20.7 +- 0.6; 3.1	18.2 +- 0.7; 4.1	16.8 +- 1.1
21	23 0.8	22.1 +- 0.7; 3.3	19.6 +- 0.7; 4.3	16.8 +- 1.3
22	354 0.7	21.8 +- 0.7; 3.3	19.3 +- 0.7; 4.3	17.1 +- 1.4
23	338 0.8	22.4 +- 0.7; 3.4	19.8 +- 0.7; 4.3	16.9 +- 1.4
24	307 1.8	20.5 +- 0.6; 3.1	18.0 +- 0.7; 4.1	16.9 +- 1.5
25	339 4.1	21.7 +- 0.7; 3.3	19.2 +- 0.7; 4.3	16.5 +- 1.3
26	320 6.0	Damaged Dosimeter	No Net Data	16.5 +- 1.5
27	354 4.5	20.7 +- 0.6; 3.1	18.2 +- 0.7; 4.2	16.7 +- 1.5
28	17 3.7	20.2 +- 0.6; 3.0	17.7 +- 0.7; 4.1	15.7 +- 1.4
29	50 4.0	18.2 +- 0.5; 2.7	15.7 +- 0.6; 3.9	15.8 +- 1.5
30	77 3.6	21.3 +- 0.6; 3.2	18.8 +- 0.7; 4.2	16.8 +- 1.4
31	115 3.3	20.1 +- 0.6; 3.0	17.6 +- 0.7; 4.1	16.7 +- 1.3
32	90 4.6	18.8 +- 0.6; 2.8	16.3 +- 0.6; 4.0	15.7 +- 1.9
33	323 16.0	20.9 +- 0.6; 3.1	18.4 +- 0.7; 4.2	16.5 +- 1.5
34	323 16.0	20.5 +- 0.6; 3.1	18.0 +- 0.7; 4.1	16.4 +- 1.4
35	323 16.0	Missing Dosimeter	No Net Data	17.2 +- 1.5

Transit Dose = 2.3 +- 0.3; 2.8



## MONTICELLO

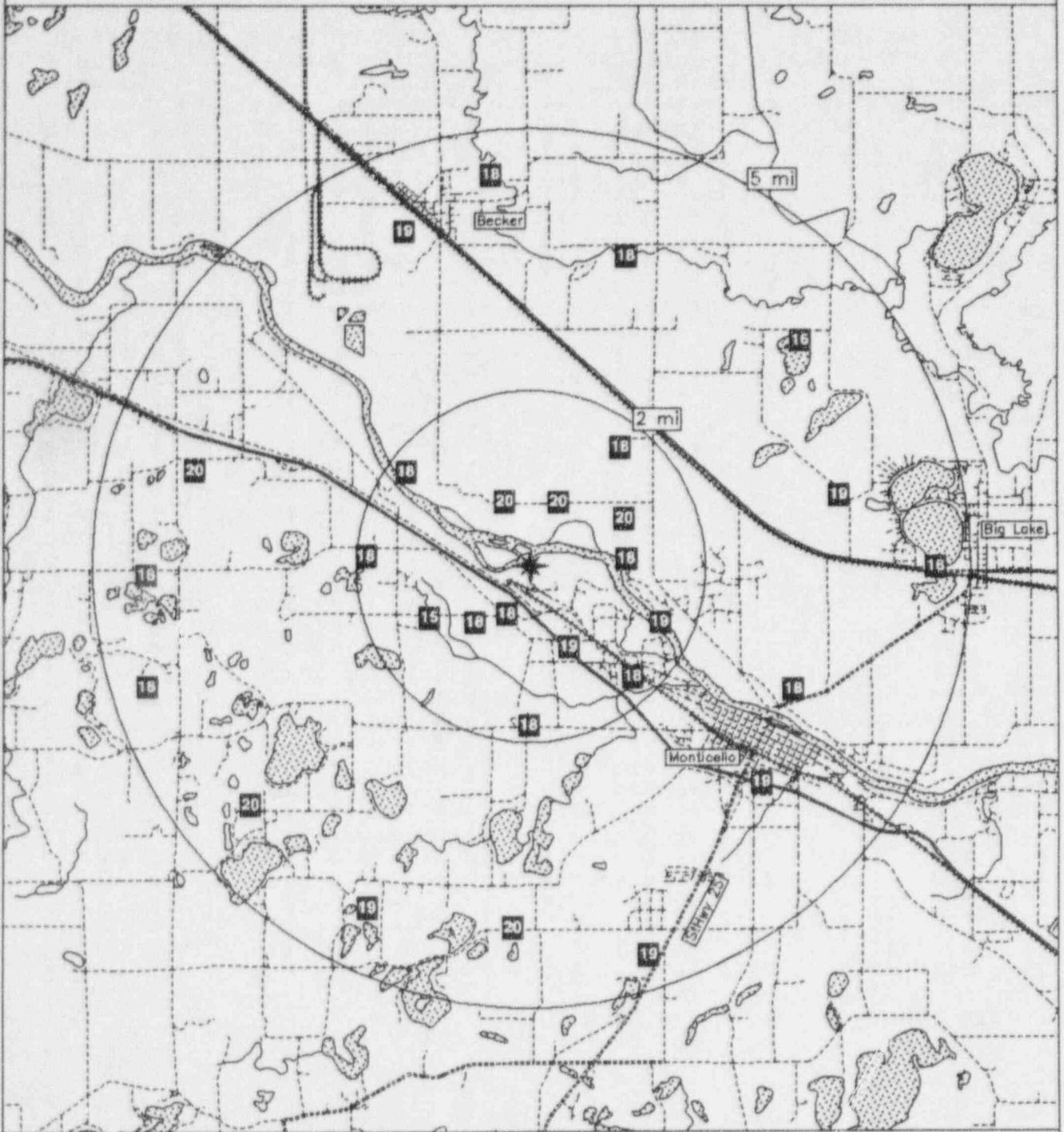
For the period 950313-950712

## TLD Direct Radiation Environmental Monitoring

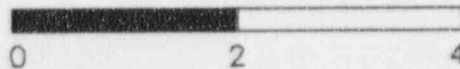
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	18.7 +- 0.8	2
11.26 - 33.75 NNE	18.6 +- 1.3	2
33.76 - 56.25 NE	16.9 +- 1.7	2
56.26 - 78.75 ENE	19.3 +- 0.8	2
78.76 - 101.25 E	17.0 +- 0.9	2
101.26 - 123.75 ESE	18.5 +- 1.3	2
123.76 - 146.25 SE	18.3 +- 0.8	2
146.26 - 168.75 SSE	19.0 +- 0.4	2
168.76 - 191.25 S	19.2 +- 1.2	2
191.26 - 213.75 SSW	18.7 +- 0.9	2
213.76 - 236.25 SW	19.1 +- 1.9	2
236.26 - 258.75 WSW	16.8 +- 2.3	2
258.76 - 281.25 W	17.9 +- 0.1	2
281.26 - 303.75 WNW	18.6 +- 1.3	2
303.76 - 326.25 NW	18.0 +- 0.0	1
326.26 - 348.75 NNW	19.5 +- 0.5	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	18.3 +- 1.2	16
2 - 5	18.5 +- 1.3	15
> 5	No Data +- No Data	0
Upwind Control	18.2 +- 0.3	2

# NRC TLD DOSES FOR MONTICELLO AREA



Miles



## Legend

Water

Highways

Railroads

Roads

Plant site

## NORTH ANNA

TLD Direct Radiation Environmental Monitoring

For the period 950313-950725 135 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	243	1.8	25.2	+- 0.8; 3.8	20.1	+- 0.8; 4.8	21.0	+- 1.5
2	263	1.6	21.7	+- 0.7; 3.3	16.7	+- 0.7; 4.4	17.8	+- 1.4
3	296	1.0	21.9	+- 0.7; 3.3	16.8	+- 0.7; 4.4	17.9	+- 1.5
4	311	1.3	27.5	+- 0.8; 4.1	22.4	+- 0.9; 5.0	22.3	+- 1.4
5	329	1.3	23.6	+- 0.7; 3.5	18.6	+- 0.8; 4.6	19.0	+- 1.3
6	231	3.9	26.2	+- 0.8; 3.9	21.1	+- 0.8; 4.9	20.5	+- 1.3
7	224	1.7	25.3	+- 0.8; 3.8	20.2	+- 0.8; 4.8	19.9	+- 1.4
8	210	1.6	23.6	+- 0.7; 3.5	18.6	+- 0.8; 4.6	18.2	+- 1.3
9	181	1.4	20.3	+- 0.6; 3.0	15.3	+- 0.7; 4.2	16.1	+- 1.3
10	155	1.0	28.8	+- 0.9; 4.3	23.6	+- 0.9; 5.2	23.9	+- 1.5
11	136	1.6	23.7	+- 0.7; 3.6	18.6	+- 0.8; 4.6	18.2	+- 1.6
12	163	3.5	24.6	+- 0.7; 3.7	19.5	+- 0.8; 4.7	19.3	+- 1.4
13	190	3.3	22.3	+- 0.7; 3.3	17.3	+- 0.7; 4.4	17.7	+- 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	23.2	+- 0.7; 3.5	18.2	+- 0.8; 4.5	19.1	+- 1.2
16	113	4.9	26.6	+- 0.8; 4.0	21.5	+- 0.9; 4.9	22.9	+- 1.6
17	93	3.3	20.0	+- 0.6; 3.0	15.1	+- 0.7; 4.2	16.1	+- 1.2
18	64	4.1	24.9	+- 0.7; 3.7	19.8	+- 0.8; 4.7	19.2	+- 1.4
19	78	2.7	34.8	+- 1.0; 5.2	29.5	+- 1.1; 5.9	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	20.2	+- 0.6; 3.0	15.2	+- 0.7; 4.2	16.7	+- 1.2
22	60	2.4	21.2	+- 0.6; 3.2	16.2	+- 0.7; 4.3	17.2	+- 1.3
23	37	1.4	23.8	+- 0.7; 3.6	18.8	+- 0.8; 4.6	18.9	+- 1.3
24	16	1.6	28.2	+- 0.8; 4.2	23.1	+- 0.9; 5.1	23.9	+- 1.5
25	48	3.5	19.9	+- 0.6; 3.0	14.9	+- 0.7; 4.2	15.9	+- 1.9
26	17	3.7	23.1	+- 0.7; 3.5	18.1	+- 0.8; 4.5	19.4	+- 1.4
27	3	4.8	21.5	+- 0.6; 3.2	16.5	+- 0.7; 4.3	17.2	+- 1.3
28	348	4.0	22.3	+- 0.7; 3.4	17.3	+- 0.7; 4.4	17.3	+- 1.3
29	2	1.9	21.3	+- 0.6; 3.2	16.3	+- 0.7; 4.3	16.8	+- 1.1
30	284	5.0	20.7	+- 0.6; 3.1	15.7	+- 0.7; 4.3	17.2	+- 1.4
31	310	4.7	24.9	+- 0.7; 3.7	19.8	+- 0.8; 4.7	20.2	+- 1.7
32	273	4.9	21.0	+- 0.6; 3.2	16.0	+- 0.7; 4.3	14.3	+- 1.7
33	257	5.1	23.9	+- 0.7; 3.6	18.8	+- 0.8; 4.6	18.4	+- 1.7
34	242	7.1	22.9	+- 0.7; 3.4	17.9	+- 0.8; 4.5	19.2	+- 1.6
35	255	11.0	23.0	+- 0.7; 3.4	17.9	+- 0.8; 4.5	18.2	+- 1.8
36	248	15.0	23.6	+- 0.7; 3.5	18.6	+- 0.8; 4.6	18.3	+- 1.4
37	247	17.0	22.5	+- 0.7; 3.4	17.5	+- 0.8; 4.5	17.6	+- 1.3
38	244	19.0	21.0	+- 0.6; 3.2	16.0	+- 0.7; 4.3	16.7	+- 1.6

Transit Dose = 4.7 +- 0.4; 3.1

NORTH ANNA  
For the period 950313-950725

## TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	16.4 +- 0.2	2
11.26 - 33.75 NNE	20.6 +- 3.5	2
33.76 - 56.25 NE	16.8 +- 2.7	2
56.26 - 78.75 ENE	21.8 +- 6.9	3
78.76 - 101.25 E	17.8 +- 3.9	2
101.26 - 123.75 ESE	18.4 +- 4.4	2
123.76 - 146.25 SE	18.4 +- 0.3	2
146.26 - 168.75 SSE	21.6 +- 2.9	2
168.76 - 191.25 S	16.3 +- 1.4	2
191.26 - 213.75 SSW	17.7 +- 1.2	2
213.76 - 236.25 SW	20.6 +- 0.6	2
236.26 - 258.75 WSW	18.7 +- 1.1	4
258.76 - 281.25 W	16.3 +- 0.5	2
281.26 - 303.75 WNW	16.3 +- 0.8	2
303.76 - 326.25 NW	21.1 +- 1.8	2
326.26 - 348.75 NNW	17.9 +- 0.9	2

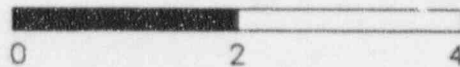
Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) Std.Dev.	Number In Group
0 - 2	19.0 +- 2.7	15
2 - 5	18.4 +- 3.5	17
> 5	18.2 +- 0.5	3
Upwind Control	17.4 +- 1.3	3



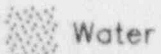
# NRC TLD DOSES FOR NORTH ANNA AREA



Miles



### Legend



Water

Highways

Railroads

Roads



Plant..site

## OCONEE

TLD Direct Radiation Environmental Monitoring

For the period 950313-950711 121 Days

Field Time: 96 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	158	7.5	25.8	+ - 0.8; 3.9	21.6	+ - 0.8; 4.6	22.4	+ - 2.1
2	133	4.9	29.3	+ - 0.9; 4.4	24.8	+ - 0.9; 5.0	25.2	+ - 1.8
3	119	4.3	29.6	+ - 0.9; 4.4	25.1	+ - 0.9; 5.0	24.3	+ - 1.8
4	84	4.7	28.2	+ - 0.8; 4.2	23.8	+ - 0.8; 4.9	24.4	+ - 1.3
5	65	4.0	27.9	+ - 0.8; 4.2	23.5	+ - 0.8; 4.8	23.4	+ - 2.3
6	52	1.8	28.7	+ - 0.9; 4.3	24.3	+ - 0.9; 4.9	24.5	+ - 2.0
7	22	3.5	29.9	+ - 0.9; 4.5	25.4	+ - 0.9; 5.1	24.9	+ - 1.7
8	33	1.4	28.2	+ - 0.8; 4.2	23.8	+ - 0.8; 4.9	24.5	+ - 2.3
9	52	1.8	23.5	+ - 0.7; 3.5	19.4	+ - 0.7; 4.3	19.6	+ - 1.5
10	67	1.1	24.2	+ - 0.7; 3.6	20.1	+ - 0.7; 4.4	17.2	+ - 2.2
11	107	1.9	21.9	+ - 0.7; 3.3	17.9	+ - 0.7; 4.2	19.0	+ - 1.5
12	87	1.0	25.5	+ - 0.8; 3.8	21.3	+ - 0.8; 4.6	21.8	+ - 1.8
13	142	0.7	Missing Dosimeter		No Net Data		22.5	+ - 1.5
14	166	0.7	21.5	+ - 0.6; 3.2	17.5	+ - 0.7; 4.1	19.2	+ - 2.2
15	226	1.7	25.4	+ - 0.8; 3.8	21.2	+ - 0.8; 4.6	21.6	+ - 1.7
16	207	1.4	25.0	+ - 0.8; 3.8	20.8	+ - 0.8; 4.5	21.2	+ - 1.3
17	182	2.2	21.0	+ - 0.6; 3.1	17.0	+ - 0.7; 4.1	18.2	+ - 1.6
18	186	3.8	Missing Dosimeter		No Net Data		19.2	+ - 1.2
19	155	4.1	28.3	+ - 0.9; 4.3	23.9	+ - 0.9; 4.9	23.6	+ - 0.9
20	203	8.4	21.6	+ - 0.6; 3.2	17.7	+ - 0.7; 4.2	18.0	+ - 2.1
21	210	4.6	21.9	+ - 0.7; 3.3	17.9	+ - 0.7; 4.2	19.2	+ - 1.7
22	227	4.8	25.0	+ - 0.7; 3.7	20.8	+ - 0.8; 4.5	21.3	+ - 2.7
23	240	3.6	21.9	+ - 0.7; 3.3	17.9	+ - 0.7; 4.2	19.9	+ - 2.3
24	268	3.6	29.0	+ - 0.9; 4.3	24.5	+ - 0.9; 5.0	23.7	+ - 1.7
25	257	1.9	21.4	+ - 0.6; 3.2	17.4	+ - 0.7; 4.1	18.8	+ - 1.9
26	293	3.6	25.7	+ - 0.8; 3.9	21.5	+ - 0.8; 4.6	20.9	+ - 2.0
27	311	3.5	20.8	+ - 0.6; 3.1	16.9	+ - 0.7; 4.1	17.8	+ - 1.1
28	288	2.0	23.3	+ - 0.7; 3.5	19.2	+ - 0.7; 4.3	19.8	+ - 1.7
29	275	1.8	21.7	+ - 0.7; 3.3	17.7	+ - 0.7; 4.2	19.0	+ - 1.2
30	321	1.8	25.8	+ - 0.8; 3.9	21.6	+ - 0.8; 4.6	21.4	+ - 1.6
31	344	2.0	20.5	+ - 0.6; 3.1	16.6	+ - 0.7; 4.0	17.0	+ - 1.6
32	336	3.7	29.6	+ - 0.9; 4.4	25.1	+ - 0.9; 5.0	25.7	+ - 2.1
33	358	4.5	Missing Dosimeter		No Net Data		21.1	+ - 2.0
34	256	9.4	31.7	+ - 1.0; 4.8	27.1	+ - 0.9; 5.3	27.3	+ - 2.0
35	149	21.0	26.6	+ - 0.8; 4.0	22.3	+ - 0.8; 4.7	22.4	+ - 2.1
36	126	8.2	28.4	+ - 0.9; 4.3	24.0	+ - 0.9; 4.9	24.3	+ - 2.0
37	96	9.7	28.6	+ - 0.9; 4.3	24.2	+ - 0.9; 4.9	24.0	+ - 1.5
38	32	16.0	35.3	+ - 1.1; 5.3	30.4	+ - 1.0; 5.7	29.8	+ - 2.9
39	31	16.0	28.5	+ - 0.9; 4.3	24.1	+ - 0.9; 4.9	25.0	+ - 2.7
40	29	16.0	30.1	+ - 0.9; 4.5	25.6	+ - 0.9; 5.1	26.9	+ - 1.6

Transit Dose = 2.8 +- 0.3; 3.0

OCONEE

For the period 950313-950711

## TLD Direct Radiation Environmental Monitoring

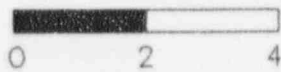
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	No Data +- No Data	0
11.26 - 33.75 NNE	24.6 +- 1.1	2
33.76 - 56.25 NE	21.9 +- 3.4	2
56.26 - 78.75 ENE	21.8 +- 2.4	2
78.76 - 101.25 E	23.1 +- 1.6	3
101.26 - 123.75 ESE	21.5 +- 5.1	2
123.76 - 146.25 SE	24.4 +- 0.6	2
146.26 - 168.75 SSE	21.3 +- 2.7	4
168.76 - 191.25 S	17.0 +- 0.0	1
191.26 - 213.75 SSW	18.8 +- 1.7	3
213.76 - 236.25 SW	21.0 +- 0.3	2
236.26 - 258.75 WSW	20.8 +- 5.4	3
258.76 - 281.25 W	21.1 +- 4.8	2
281.26 - 303.75 WNW	20.3 +- 1.6	2
303.76 - 326.25 NW	19.2 +- 3.3	2
326.26 - 348.75 NNW	20.9 +- 6.0	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	19.9 +- 2.4	14
2 - 5	22.0 +- 3.3	14
> 5	22.8 +- 3.2	6
Upwind Control	26.7 +- 3.3	3

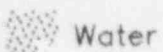
# NRC TLD DOSES FOR OCONEE AREA



Miles



### Legend



Water

Highways

Railroads

Roads



Plant site



## OYSTER CREEK

TLD Direct Radiation Environmental Monitoring

For the period 950315-950713 121 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	141	0.5	12.6	+- 0.4; 1.9	11.6	+- 0.4; 3.3	11.3	+- 1.2
2	120	0.9	12.9	+- 0.4; 1.9	11.9	+- 0.5; 3.3	11.2	+- 1.1
3	105	1.5	13.7	+- 0.4; 2.1	12.6	+- 0.5; 3.4	12.3	+- 0.8
4	127	1.5	12.1	+- 0.4; 1.8	11.1	+- 0.4; 3.2	11.2	+- 0.8
5	137	1.3	13.4	+- 0.4; 2.0	12.4	+- 0.5; 3.3	11.7	+- 1.1
6	158	1.2	12.8	+- 0.4; 1.9	11.8	+- 0.4; 3.3	11.4	+- 0.7
7	176	2.2	13.6	+- 0.4; 2.0	12.6	+- 0.5; 3.3	11.9	+- 1.0
8	179	1.6	14.1	+- 0.4; 2.1	13.1	+- 0.5; 3.4	11.7	+- 0.8
9	159	2.8	12.4	+- 0.4; 1.9	11.4	+- 0.4; 3.2	10.5	+- 0.8
10	187	8.4	Missing Dosimeter		No Net Data		11.7	+- 1.1
11	173	4.4	13.2	+- 0.4; 2.0	12.2	+- 0.5; 3.3	11.7	+- 0.8
12	196	4.2	12.9	+- 0.4; 1.9	11.9	+- 0.5; 3.3	11.8	+- 0.9
13	198	8.6	12.3	+- 0.4; 1.8	11.3	+- 0.4; 3.2	10.8	+- 0.7
14	185	10.0	13.7	+- 0.4; 2.1	12.7	+- 0.5; 3.4	13.4	+- 0.9
15	171	11.0	13.2	+- 0.4; 2.0	12.1	+- 0.5; 3.3	11.4	+- 0.9
16	154	8.2	13.1	+- 0.4; 2.0	12.1	+- 0.5; 3.3	11.7	+- 1.0
17	126	6.3	13.9	+- 0.4; 2.1	12.8	+- 0.5; 3.4	12.4	+- 0.9
18	220	4.6	12.4	+- 0.4; 1.9	11.3	+- 0.4; 3.2	11.2	+- 1.0
19	231	2.3	13.3	+- 0.4; 2.0	12.3	+- 0.5; 3.3	11.4	+- 0.8
20	211	1.6	12.1	+- 0.4; 1.8	11.1	+- 0.4; 3.2	10.8	+- 0.7
22	258	1.5	12.6	+- 0.4; 1.9	11.6	+- 0.4; 3.3	11.3	+- 0.8
23	271	1.2	11.7	+- 0.4; 1.8	10.7	+- 0.4; 3.2	11.0	+- 0.8
24	297	1.3	11.9	+- 0.4; 1.8	10.9	+- 0.4; 3.2	11.7	+- 1.0
25	318	1.5	11.7	+- 0.4; 1.8	10.7	+- 0.4; 3.2	10.7	+- 0.8
26	341	3.2	15.1	+- 0.5; 2.3	14.0	+- 0.5; 3.5	12.9	+- 1.1
27	330	4.6	12.9	+- 0.4; 1.9	11.9	+- 0.5; 3.3	11.9	+- 0.9
28	358	3.2	11.9	+- 0.4; 1.8	10.9	+- 0.4; 3.2	11.0	+- 0.6
29	4	1.8	13.4	+- 0.4; 2.0	12.4	+- 0.5; 3.3	11.5	+- 0.7
30	19	0.8	12.9	+- 0.4; 1.9	11.9	+- 0.5; 3.3	11.4	+- 0.7
31	69	1.4	15.5	+- 0.5; 2.3	14.4	+- 0.5; 3.5	12.1	+- 1.4
32	78	2.5	13.2	+- 0.4; 2.0	12.1	+- 0.5; 3.3	10.6	+- 0.8
33	85	2.2	11.3	+- 0.3; 1.7	10.3	+- 0.4; 3.2	10.8	+- 0.9
34	38	1.7	13.1	+- 0.4; 2.0	12.0	+- 0.5; 3.3	11.3	+- 0.6
35	24	1.9	13.1	+- 0.4; 2.0	12.1	+- 0.5; 3.3	12.2	+- 1.0
36	50	3.0	12.5	+- 0.4; 1.9	11.5	+- 0.4; 3.3	12.2	+- 1.5
37	46	4.8	11.4	+- 0.3; 1.7	10.4	+- 0.4; 3.2	11.0	+- 1.1
38	27	4.0	13.5	+- 0.4; 2.0	12.4	+- 0.5; 3.3	12.4	+- 0.7
39	12	8.9	13.7	+- 0.4; 2.1	12.7	+- 0.5; 3.4	12.1	+- 0.9
40	10	8.7	12.0	+- 0.4; 1.8	10.9	+- 0.4; 3.2	11.1	+- 0.6
41	3	9.9	13.7	+- 0.4; 2.1	12.6	+- 0.5; 3.4	11.8	+- 0.8
42	38	10.0	13.7	+- 0.4; 2.1	12.7	+- 0.5; 3.4	12.1	+- 0.8
43	46	9.1	15.5	+- 0.5; 2.3	14.4	+- 0.5; 3.5	14.1	+- 0.8
44	73	6.5	11.9	+- 0.4; 1.8	10.8	+- 0.4; 3.2	10.8	+- 0.5
45	79	6.0	13.6	+- 0.4; 2.0	12.6	+- 0.5; 3.3	12.2	+- 0.7
46	278	20.0	13.7	+- 0.4; 2.1	12.7	+- 0.5; 3.4	12.4	+- 0.7
47	278	20.0	13.7	+- 0.4; 2.0	12.6	+- 0.5; 3.3	12.5	+- 0.5

Transit Dose = 0.8 +- 0.3; 2.7

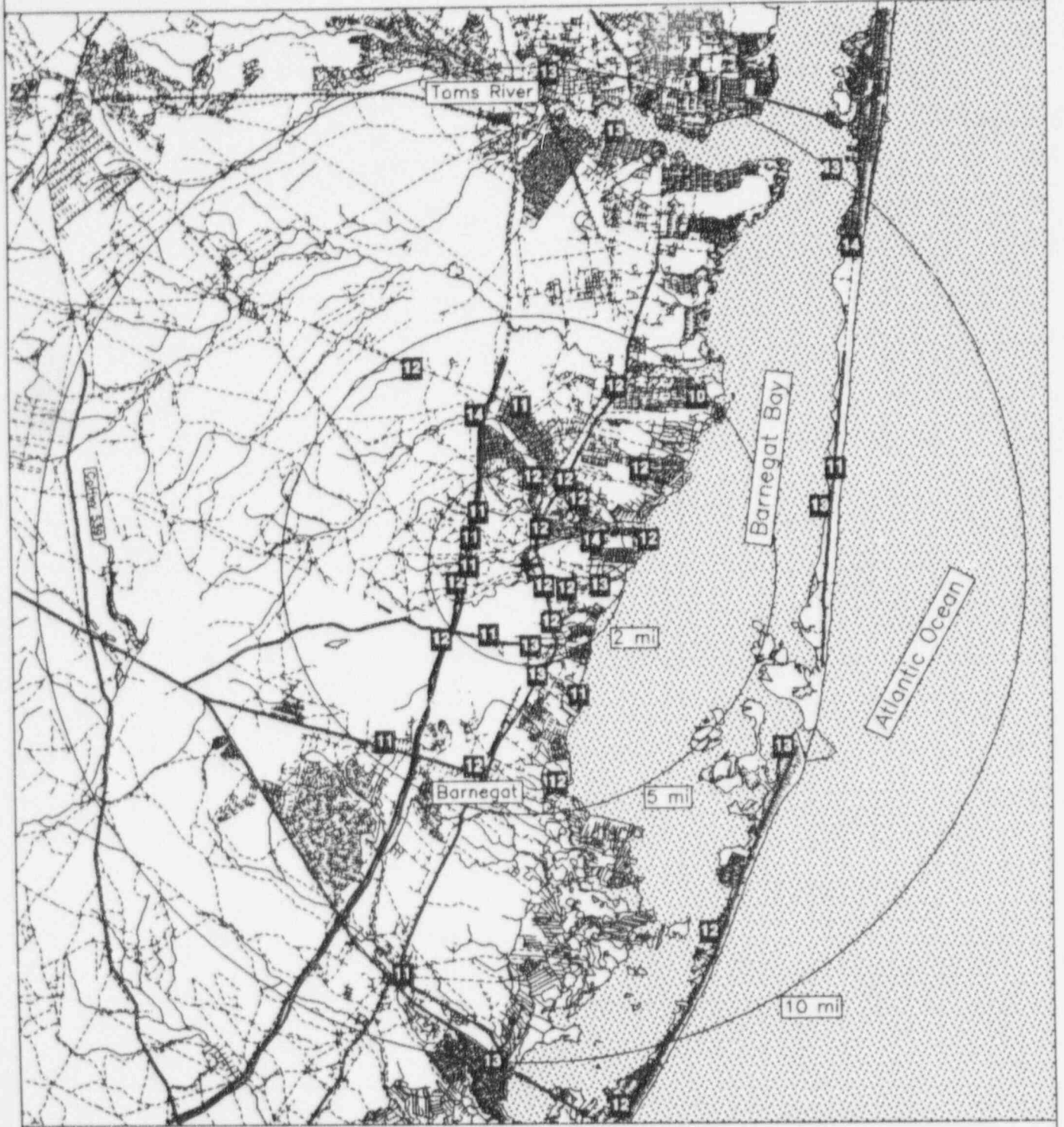
OYSTER CREEK  
For the period 950315-950713

TLD Direct Radiation Environmental Monitoring

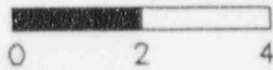
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	11.7 +- 0.9	4
11.26 - 33.75 NNE	12.3 +- 0.3	4
33.76 - 56.25 NE	12.2 +- 1.5	5
56.26 - 78.75 ENE	12.5 +- 1.8	3
78.76 - 101.25 E	11.4 +- 1.6	2
101.26 - 123.75 ESE	12.3 +- 0.5	2
123.76 - 146.25 SE	11.9 +- 0.8	4
146.26 - 168.75 SSE	11.7 +- 0.4	3
168.76 - 191.25 S	12.5 +- 0.4	5
191.26 - 213.75 SSW	11.4 +- 0.4	3
213.76 - 236.25 SW	11.8 +- 0.7	2
236.26 - 258.75 WSW	11.6 +- 0.0	1
258.76 - 281.25 W	10.7 +- 0.0	1
281.26 - 303.75 WNW	10.9 +- 0.0	1
303.76 - 326.25 NW	10.7 +- 0.0	1
326.26 - 348.75 NNW	12.9 +- 1.5	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	11.9 +- 0.9	17
2 - 5	11.8 +- 1.0	14
> 5	12.3 +- 1.0	12
Upwind Control	12.7 +- 0.1	2

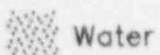
# NRC TLD DOSES FOR OYSTER CREEK AREA



Miles



## Legend



Water

Highways

Railroads

Roads



Plant..site

## PALISADES

TLD Direct Radiation Environmental Monitoring

For the period 950313-950725 135 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	195	4.9	19.3	+- 0.6; 2.9	12.9	+- 0.6; 4.0	13.1	+- 1.2
2	173	4.6	18.0	+- 0.5; 2.7	11.7	+- 0.6; 3.9	13.5	+- 1.5
3	156	3.9	18.8	+- 0.6; 2.8	12.4	+- 0.6; 4.0	14.8	+- 1.4
4	132	4.6	19.7	+- 0.6; 3.0	13.3	+- 0.7; 4.1	13.8	+- 1.4
5	118	3.3	21.1	+- 0.6; 3.2	14.5	+- 0.7; 4.2	14.7	+- 1.5
6	152	1.8	18.5	+- 0.6; 2.8	12.2	+- 0.6; 3.9	13.4	+- 1.5
7	196	2.2	Damaged Dosimeter		No Net Data		13.1	+- 1.4
8	178	1.6	18.4	+- 0.6; 2.8	12.1	+- 0.6; 3.9	13.9	+- 1.7
9	200	0.9	19.9	+- 0.6; 3.0	13.4	+- 0.7; 4.1	13.5	+- 1.5
10	124	1.8	17.9	+- 0.5; 2.7	11.7	+- 0.6; 3.9	13.8	+- 2.1
11	107	1.6	21.1	+- 0.6; 3.2	14.6	+- 0.7; 4.2	14.2	+- 1.4
12	90	1.5	18.5	+- 0.6; 2.8	12.2	+- 0.6; 3.9	13.0	+- 1.4
13	65	1.7	20.8	+- 0.6; 3.1	14.3	+- 0.7; 4.2	13.7	+- 1.5
14	51	1.9	17.9	+- 0.5; 2.7	11.6	+- 0.6; 3.9	13.3	+- 1.0
15	74	3.7	17.8	+- 0.5; 2.7	11.5	+- 0.6; 3.9	12.7	+- 1.6
16	90	3.6	17.3	+- 0.5; 2.6	11.1	+- 0.6; 3.8	12.6	+- 1.8
17	98	10.0	20.1	+- 0.6; 3.0	13.7	+- 0.7; 4.1	14.8	+- 1.4
18	47	4.5	22.2	+- 0.7; 3.3	15.6	+- 0.7; 4.3	15.4	+- 1.3
19	23	1.5	17.6	+- 0.5; 2.6	11.4	+- 0.6; 3.9	12.7	+- 1.7
20	32	4.8	21.1	+- 0.6; 3.2	14.5	+- 0.7; 4.2	15.2	+- 1.6
21	29	7.0	20.0	+- 0.6; 3.0	13.6	+- 0.7; 4.1	14.4	+- 1.0
22	99	15.0	20.7	+- 0.6; 3.1	14.2	+- 0.7; 4.1	14.8	+- 1.5
23	98	18.0	21.3	+- 0.6; 3.2	14.7	+- 0.7; 4.2	14.8	+- 1.3
24	98	18.0	21.1	+- 0.6; 3.2	14.6	+- 0.7; 4.2	14.6	+- 1.4

Transit Dose = 5.3 +- 0.4; 3.3



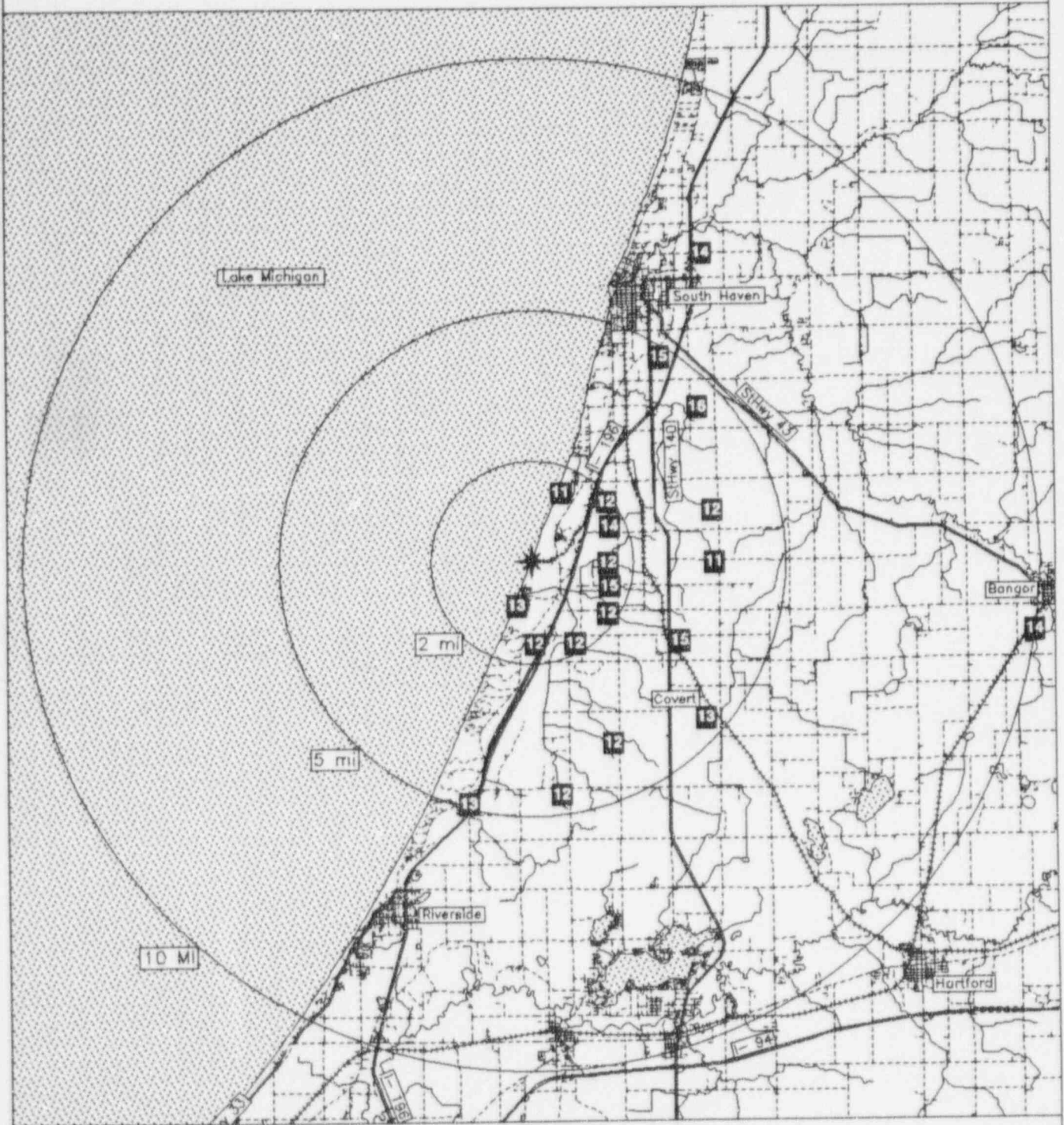
PALISADES  
For the period 950313-950725

TLD Direct Radiation Environmental Monitoring

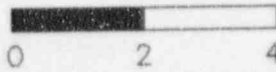
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	No Data +- No Data	0
11.26 - 33.75 NNE	13.1 +- 1.6	3
33.76 - 56.25 NE	13.6 +- 2.8	2
56.26 - 78.75 ENE	12.9 +- 2.0	2
78.76 - 101.25 E	12.3 +- 1.3	3
101.26 - 123.75 ESE	14.5 +- 0.0	2
123.76 - 146.25 SE	12.5 +- 1.1	2
146.26 - 168.75 SSE	12.3 +- 0.2	2
168.76 - 191.25 S	11.9 +- 0.2	2
191.26 - 213.75 SSW	13.2 +- 0.4	2
213.76 - 236.25 SW	No Data +- No Data	0
236.26 - 258.75 WSW	No Data +- No Data	0
258.76 - 281.25 W	No Data +- No Data	0
281.26 - 303.75 WNW	No Data +- No Data	0
303.76 - 326.25 NW	No Data +- No Data	0
326.26 - 348.75 NNW	No Data +- No Data	0

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	12.6 +- 1.2	9
2 - 5	13.1 +- 1.6	9
> 5	13.6 +- 0.1	2
Upwind Control	14.5 +- 0.3	3

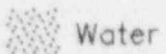
# NRC TLD DOSES FOR PALISADES AREA



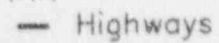
Miles



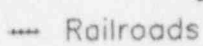
## Legend



Water



Highways



Railroads



Roads



Plant site

PALO VERDE  
 TLD Direct Radiation Environmental Monitoring  
 For the period 950312-950713 124 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	74	23.0	24.3 +- 0.7; 3.6	19.9 +- 0.8; 4.6	20.1 +- 1.4
2	92	21.0	24.8 +- 0.7; 3.7	20.4 +- 0.8; 4.7	20.6 +- 1.6
3	89	15.0	24.5 +- 0.7; 3.7	20.1 +- 0.8; 4.6	20.1 +- 1.6
4	103	11.0	24.9 +- 0.7; 3.7	20.5 +- 0.8; 4.7	20.2 +- 1.6
5	140	7.4	26.8 +- 0.8; 4.0	22.3 +- 0.9; 4.9	21.4 +- 1.6
6	142	3.1	24.5 +- 0.7; 3.7	20.1 +- 0.8; 4.6	20.6 +- 1.5
7	162	2.6	25.7 +- 0.8; 3.9	21.2 +- 0.8; 4.8	20.6 +- 1.5
8	168	2.6	26.0 +- 0.8; 3.9	21.6 +- 0.8; 4.8	20.8 +- 1.7
9	193	2.6	26.6 +- 0.8; 4.0	22.1 +- 0.9; 4.9	22.2 +- 1.5
10	215	3.1	27.2 +- 0.8; 4.1	22.7 +- 0.9; 4.9	22.1 +- 1.6
11	200	1.7	26.9 +- 0.8; 4.0	22.5 +- 0.9; 4.9	22.2 +- 1.5
12	214	1.0	26.7 +- 0.8; 4.0	22.2 +- 0.9; 4.9	21.4 +- 1.5
13	242	0.7	27.2 +- 0.8; 4.1	22.7 +- 0.9; 4.9	23.5 +- 1.6
14	263	0.6	26.2 +- 0.8; 3.9	21.8 +- 0.8; 4.8	21.8 +- 1.6
15	295	0.6	25.6 +- 0.8; 3.8	21.2 +- 0.8; 4.8	21.5 +- 1.6
16	325	1.0	26.1 +- 0.8; 3.9	21.7 +- 0.8; 4.8	21.4 +- 1.4
17	347	1.8	28.0 +- 0.8; 4.2	23.6 +- 0.9; 5.0	22.3 +- 1.6
18	0	2.4	25.7 +- 0.8; 3.9	21.3 +- 0.8; 4.8	22.7 +- 1.4
19	18	1.5	Missing Dosimeter	No Net Data	20.2 +- 1.4
20	37	2.0	24.3 +- 0.7; 3.6	19.9 +- 0.8; 4.6	21.3 +- 1.2
21	58	2.3	26.9 +- 0.8; 4.0	22.5 +- 0.9; 4.9	22.3 +- 1.5
22	75	2.8	26.8 +- 0.8; 4.0	22.3 +- 0.9; 4.9	22.7 +- 1.3
23	93	4.4	26.5 +- 0.8; 4.0	22.1 +- 0.8; 4.9	21.9 +- 1.6
24	101	3.3	25.1 +- 0.8; 3.8	20.7 +- 0.8; 4.7	21.7 +- 2.2
25	346	2.9	25.9 +- 0.8; 3.9	21.5 +- 0.8; 4.8	21.6 +- 1.4
26	334	4.3	29.8 +- 0.9; 4.5	25.3 +- 0.9; 5.3	24.2 +- 1.5
27	333	7.9	31.2 +- 0.9; 4.7	26.6 +- 1.0; 5.4	24.7 +- 2.3
28	0	7.0	27.2 +- 0.8; 4.1	22.7 +- 0.9; 4.9	22.6 +- 1.6
29	9	4.2	Missing Dosimeter	No Net Data	23.5 +- 1.7
30	27	3.6	27.9 +- 0.8; 4.2	23.4 +- 0.9; 5.0	23.1 +- 1.8
31	49	3.5	26.9 +- 0.8; 4.0	22.4 +- 0.9; 4.9	23.2 +- 1.3
32	120	3.3	28.0 +- 0.8; 4.2	23.5 +- 0.9; 5.0	24.0 +- 1.6

Transit Dose = 4.0 +- 0.3; 3.0

## PALO VERDE

For the period 950312-950713

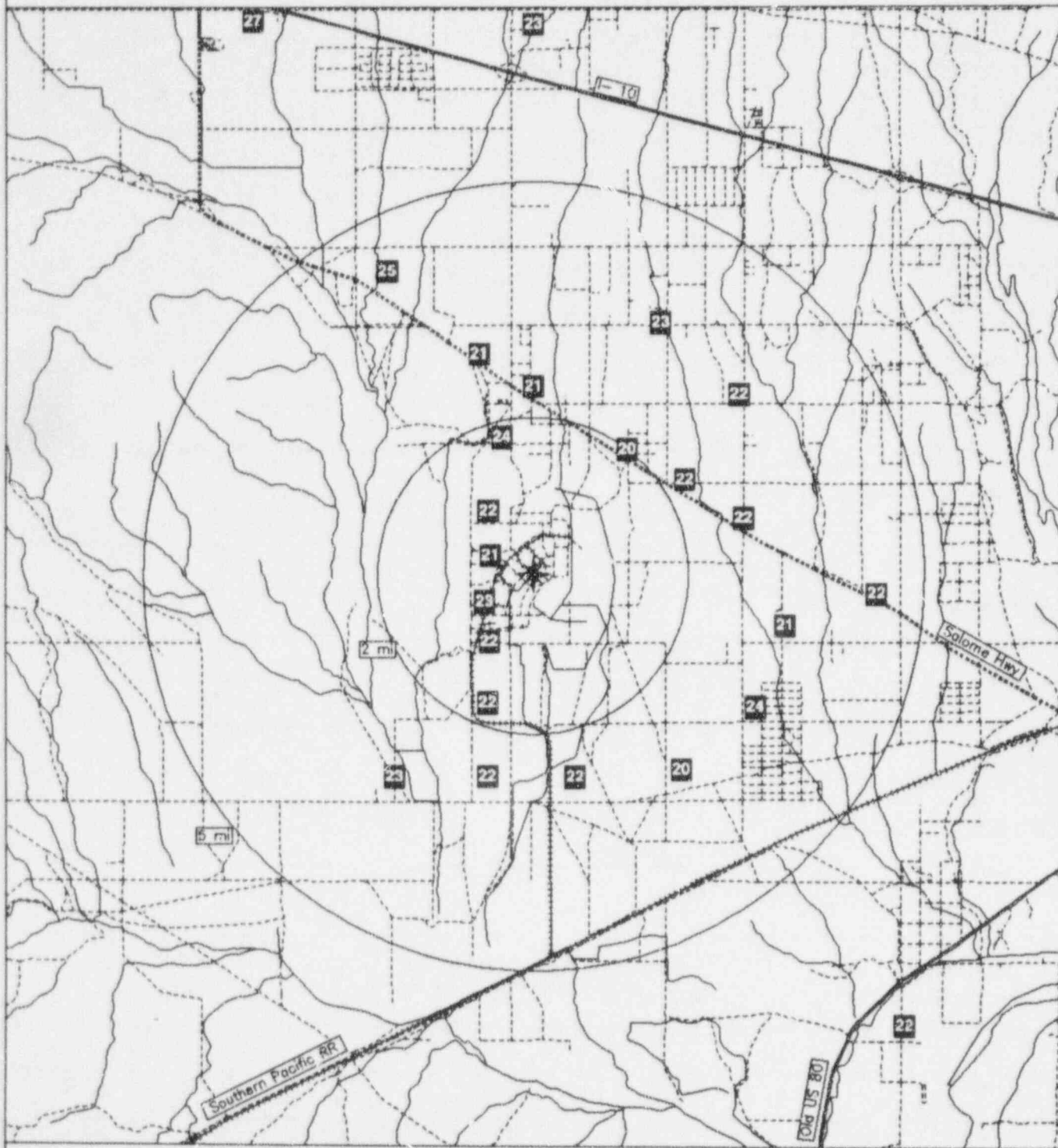
## TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	22.0 +- 1.0	2
11.26 - 33.75 NNE	23.4 +- 0.0	1
33.76 - 56.25 NE	21.1 +- 1.8	2
56.26 - 78.75 ENE	22.4 +- 0.1	2
78.76 - 101.25 E	21.4 +- 0.9	2
101.26 - 123.75 ESE	22.0 +- 2.1	2
123.76 - 146.25 SE	21.2 +- 1.6	2
146.26 - 168.75 SSE	21.4 +- 0.2	2
168.76 - 191.25 S	No Data +- No Data	0
191.26 - 213.75 SSW	22.3 +- 0.2	2
213.76 - 236.25 SW	22.5 +- 0.3	2
236.26 - 258.75 WSW	22.7 +- 0.0	1
258.76 - 281.25 W	21.8 +- 0.0	1
281.26 - 303.75 WNW	21.2 +- 0.0	1
303.76 - 326.25 NW	21.7 +- 0.0	1
326.26 - 348.75 NNW	24.2 +- 2.2	4

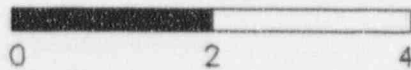
Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	21.9 +- 1.1	8
2 - 5	22.2 +- 1.3	15
> 5	23.0 +- 2.6	4
Upwind Control	20.1 +- 0.3	3



# NRC TLD DOSES FOR PALO VERDE AREA



Miles



## Legend

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

## PEACH BOTTOM

TLD Direct Radiation Environmental Monitoring

For the period 950312-950711 122 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	330	10.3	23.2	+ 0.7; 3.5	19.4	+ 0.7; 4.2	16.0	+ 1.6
2	33	10.5	21.0	+ 0.6; 3.1	17.3	+ 0.6; 4.0	17.1	+ 1.2
3	21	4.8	21.1	+ 0.6; 3.2	17.5	+ 0.6; 4.0	17.8	+ 1.5
4	3	5.0	21.4	+ 0.6; 3.2	17.7	+ 0.6; 4.0	16.9	+ 1.5
5	344	4.1	21.1	+ 0.6; 3.2	17.4	+ 0.6; 4.0	17.4	+ 1.4
6	1	2.2	23.3	+ 0.7; 3.5	19.5	+ 0.7; 4.2	19.0	+ 1.4
7	26	2.4	22.0	+ 0.7; 3.3	18.3	+ 0.7; 4.1	18.0	+ 1.3
8	55	2.8	23.2	+ 0.7; 3.5	19.4	+ 0.7; 4.2	18.6	+ 1.5
9	42	2.0	22.1	+ 0.7; 3.3	18.3	+ 0.7; 4.1	17.2	+ 1.2
10	62	1.7	23.2	+ 0.7; 3.5	19.3	+ 0.7; 4.2	18.7	+ 2.1
11	96	1.9	23.6	+ 0.7; 3.5	19.6	+ 0.7; 4.2	19.1	+ 1.5
12	105	2.3	16.9	+ 0.5; 2.5	13.6	+ 0.5; 3.6	14.1	+ 1.0
13	72	5.0	21.9	+ 0.7; 3.3	18.2	+ 0.7; 4.1	16.9	+ 1.5
14	85	4.6	23.2	+ 0.7; 3.5	19.3	+ 0.7; 4.2	18.7	+ 1.5
15	109	4.3	23.1	+ 0.7; 3.5	19.2	+ 0.7; 4.2	19.1	+ 1.5
16	130	4.6	16.7	+ 0.5; 2.5	13.5	+ 0.5; 3.6	13.7	+ 1.4
17	157	8.9	17.6	+ 0.5; 2.6	14.2	+ 0.6; 3.6	15.3	+ 1.4
18	163	4.6	20.5	+ 0.6; 3.1	16.8	+ 0.6; 3.9	16.6	+ 1.2
19	183	3.9	Missing Dosimeter		No Net Data		18.9	+ 1.3
20	201	4.8	22.9	+ 0.7; 3.4	19.1	+ 0.7; 4.2	18.7	+ 1.6
21	196	2.3	24.4	+ 0.7; 3.7	20.4	+ 0.7; 4.3	19.2	+ 1.5
22	182	1.7	22.8	+ 0.7; 3.4	18.9	+ 0.7; 4.2	18.7	+ 1.3
23	157	1.8	25.5	+ 0.8; 3.8	21.4	+ 0.7; 4.4	21.6	+ 1.7
24	219	1.8	25.4	+ 0.8; 3.8	21.3	+ 0.7; 4.4	20.7	+ 1.5
25	249	1.7	25.6	+ 0.8; 3.8	21.5	+ 0.8; 4.4	19.8	+ 1.5
26	269	1.8	25.2	+ 0.8; 3.8	21.2	+ 0.7; 4.4	20.4	+ 1.6
27	286	1.9	21.8	+ 0.7; 3.3	18.1	+ 0.7; 4.1	17.6	+ 0.9
28	323	1.8	19.8	+ 0.6; 3.0	16.3	+ 0.6; 3.9	16.0	+ 1.4
29	286	3.6	26.3	+ 0.8; 4.0	22.2	+ 0.8; 4.5	21.1	+ 1.3
30	262	4.0	25.4	+ 0.8; 3.8	21.3	+ 0.7; 4.4	20.8	+ 1.6
31	261	9.9	26.0	+ 0.8; 3.9	21.9	+ 0.8; 4.5	21.2	+ 1.5
32	247	3.2	23.5	+ 0.7; 3.5	19.6	+ 0.7; 4.2	18.5	+ 1.3
33	235	3.6	17.1	+ 0.5; 2.6	13.8	+ 0.5; 3.6	13.9	+ 1.4
34	319	4.9	23.4	+ 0.7; 3.5	19.5	+ 0.7; 4.2	19.5	+ 1.5
35	149	0.7	22.1	+ 0.7; 3.3	18.3	+ 0.7; 4.1	17.5	+ 1.4
36	147	17.9	17.3	+ 0.5; 2.6	14.0	+ 0.5; 3.6	14.0	+ 1.0
37	147	17.9	17.7	+ 0.5; 2.6	14.3	+ 0.6; 3.7	14.7	+ 1.3
38	147	17.9	17.0	+ 0.5; 2.6	13.7	+ 0.5; 3.6	14.5	+ 1.0

Transit Dose = 1.9 +- 0.3; 3.0

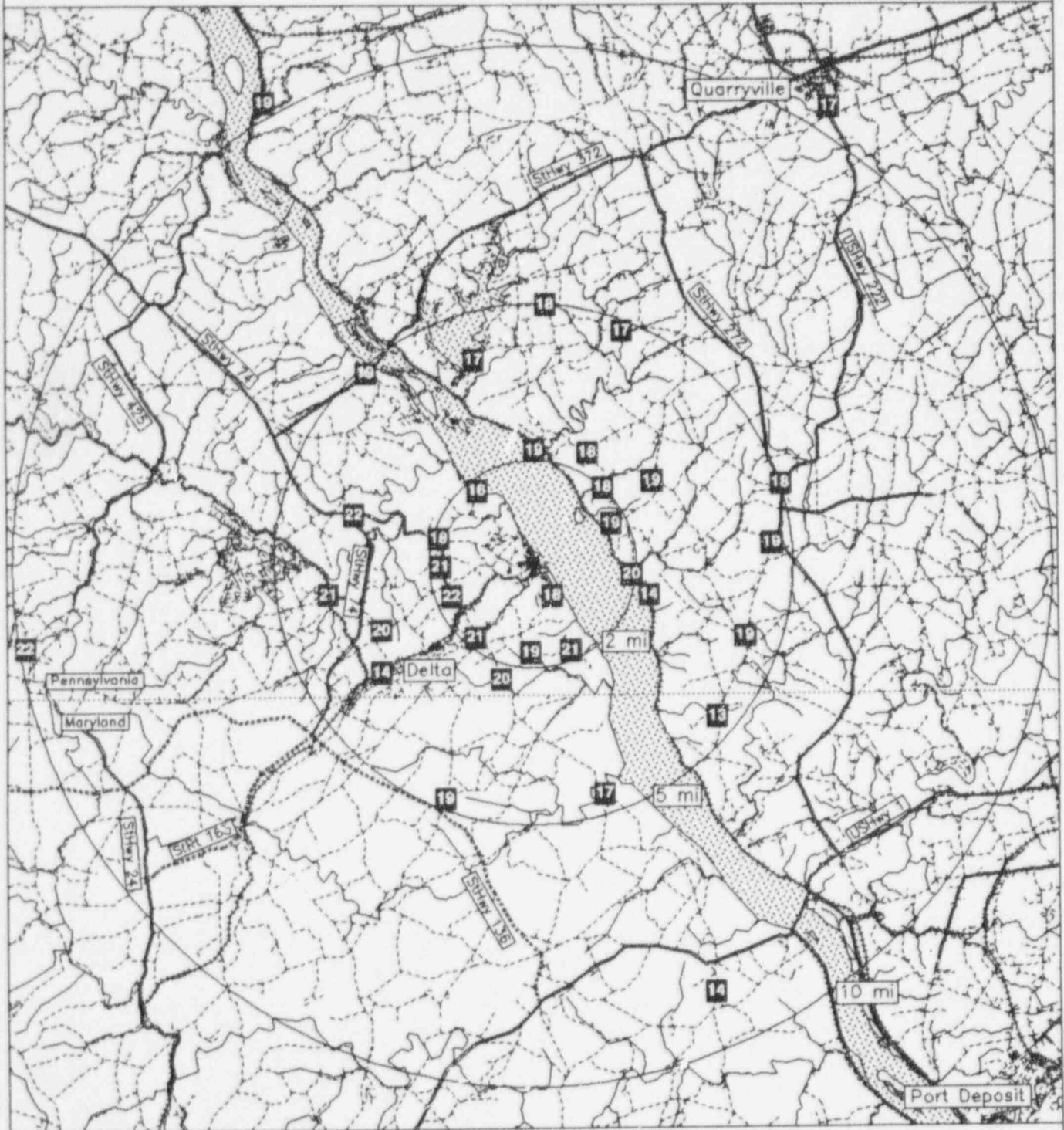
PEACH BOTTOM  
For the period 950312-950711

## TLD Direct Radiation Environmental Monitoring

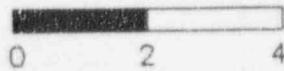
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	18.6 +- 1.2	2
11.26 - 33.75 NNE	17.7 +- 0.5	3
33.76 - 56.25 NE	18.8 +- 0.7	2
56.26 - 78.75 ENE	18.7 +- 0.8	2
78.76 - 101.25 E	19.5 +- 0.2	2
101.26 - 123.75 ESE	16.4 +- 4.0	2
123.76 - 146.25 SE	13.5 +- 0.0	1
146.26 - 168.75 SSE	17.7 +- 3.0	4
168.76 - 191.25 S	18.9 +- 0.0	1
191.26 - 213.75 SSW	19.7 +- 0.9	2
213.76 - 236.25 SW	17.6 +- 5.3	2
236.26 - 258.75 WSW	20.5 +- 1.4	2
258.76 - 281.25 W	21.5 +- 0.4	3
281.26 - 303.75 WNW	20.1 +- 2.9	2
303.76 - 326.25 NW	17.9 +- 2.3	2
326.26 - 348.75 NNW	18.4 +- 1.4	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	19.5 +- 1.7	11
2 - 5	18.2 +- 2.4	19
> 5	18.2 +- 3.3	4
Upwind Control	14.0 +- 0.3	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 950313-950711 121 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	72	5.0	18.0 +- 0.5; 2.7	16.7 +- 0.6; 4.0	15.9 +- 1.9
3	88	5.5	17.9 +- 0.5; 2.7	16.6 +- 0.6; 4.0	16.0 +- 1.9
4	112	6.0	19.0 +- 0.6; 2.9	17.8 +- 0.7; 4.1	16.9 +- 2.1
5	130	4.0	19.1 +- 0.6; 2.9	17.8 +- 0.7; 4.1	16.7 +- 2.1
6	155	5.0	21.1 +- 0.6; 3.2	19.9 +- 0.7; 4.3	19.7 +- 1.5
7	178	5.2	19.6 +- 0.6; 2.9	18.4 +- 0.7; 4.1	17.5 +- 1.7
8	205	4.6	20.5 +- 0.6; 3.1	19.3 +- 0.7; 4.3	17.0 +- 3.1
9	220	5.2	18.7 +- 0.6; 2.8	17.4 +- 0.7; 4.0	16.0 +- 1.7
10	225	7.4	18.2 +- 0.5; 2.7	16.9 +- 0.6; 4.0	17.3 +- 1.8
11	240	5.8	20.2 +- 0.6; 3.0	19.0 +- 0.7; 4.2	18.7 +- 2.1
12	225	19.0	19.1 +- 0.6; 2.9	17.9 +- 0.7; 4.1	16.4 +- 2.3
13	225	19.0	17.1 +- 0.5; 2.6	15.8 +- 0.6; 3.9	15.6 +- 2.0
14	212	12.0	24.0 +- 0.7; 3.6	23.0 +- 0.8; 4.7	21.9 +- 2.3
15	248	1.4	17.1 +- 0.5; 2.6	15.7 +- 0.6; 3.9	15.7 +- 1.9
16	225	0.8	16.4 +- 0.5; 2.5	15.0 +- 0.6; 3.8	15.5 +- 2.2
17	205	0.7	16.4 +- 0.5; 2.5	15.0 +- 0.6; 3.8	14.1 +- 1.8
18	180	0.8	17.8 +- 0.5; 2.7	16.5 +- 0.6; 3.9	15.3 +- 2.0
19	152	1.8	17.4 +- 0.5; 2.6	16.1 +- 0.6; 3.9	16.0 +- 1.6
20	123	1.6	16.2 +- 0.5; 2.4	14.8 +- 0.6; 3.8	14.1 +- 1.8
21	105	1.4	17.6 +- 0.5; 2.6	16.3 +- 0.6; 3.9	14.8 +- 1.8
22	85	1.2	17.0 +- 0.5; 2.6	15.7 +- 0.6; 3.9	16.2 +- 2.5
23	65	1.4	17.6 +- 0.5; 2.6	16.3 +- 0.6; 3.9	16.1 +- 1.9
24	40	0.6	18.0 +- 0.5; 2.7	16.7 +- 0.6; 4.0	15.3 +- 2.0
25	40	0.6	21.7 +- 0.7; 3.3	20.5 +- 0.7; 4.4	17.8 +- 3.7
26	182	2.8	17.8 +- 0.5; 2.7	16.5 +- 0.6; 3.9	16.4 +- 2.7
27	175	2.8	16.8 +- 0.5; 2.5	15.4 +- 0.6; 3.8	16.7 +- 3.5

Transit Dose = 2.1 +- 0.3; 2.7

PERRY

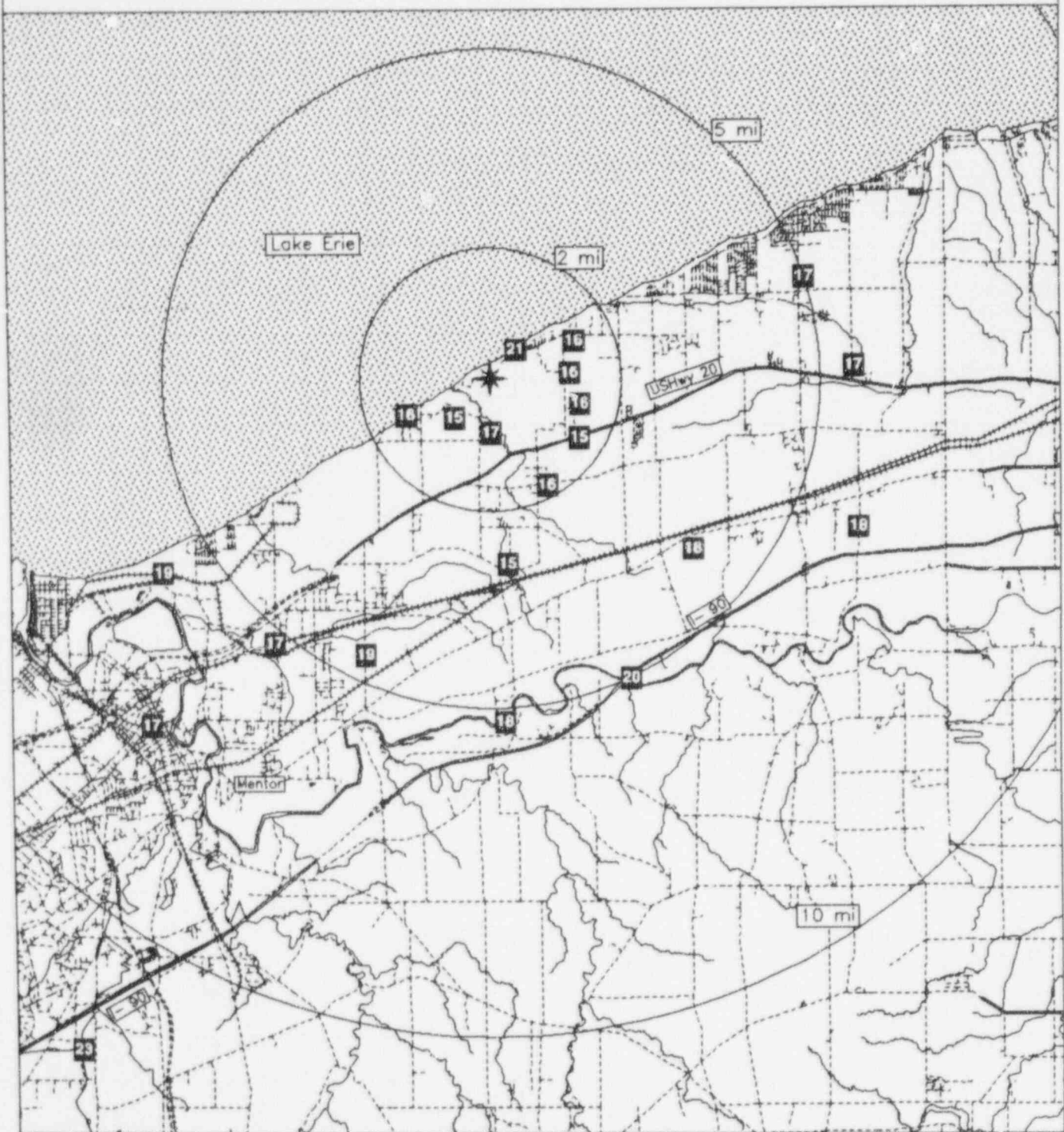
For the period 950313-950711

## TLD Direct Radiation Environmental Monitoring

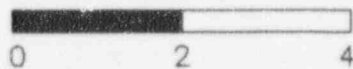
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	No Data +- No Data	0
11.26 - 33.75 NNE	No Data +- No Data	0
33.76 - 56.25 NE	18.6 +- 2.7	2
56.26 - 78.75 ENE	16.5 +- 0.3	2
78.76 - 101.25 E	16.1 +- 0.6	2
101.26 - 123.75 ESE	16.3 +- 1.5	3
123.76 - 146.25 SE	17.8 +- 0.0	1
146.26 - 168.75 SSE	18.0 +- 2.7	2
168.76 - 191.25 S	16.7 +- 1.2	4
191.26 - 213.75 SSW	17.2 +- 3.1	2
213.76 - 236.25 SW	16.4 +- 1.3	3
236.26 - 258.75 WSW	17.4 +- 2.3	2
258.76 - 281.25 W	No Data +- No Data	0
281.26 - 303.75 WNW	No Data +- No Data	0
303.76 - 326.25 NW	No Data +- No Data	0
326.26 - 348.75 NNW	No Data +- No Data	0

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	16.2 +- 1.6	11
2 - 5	17.6 +- 1.7	6
> 5	17.7 +- 0.9	6
Upwind Control	18.9 +- 3.7	3

# NRC TLD DOSES FOR PERRY AREA



Miles



## Legend

- Water
- Highways
- Railroads
- Roads
- Plant site

## PILGRIM

TLD Direct Radiation Environmental Monitoring

For the period 950315-950727 135 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	288	0.1	51.2 +- 1.5; 7.7	38.0 +- 1.6; 8.1	49.4 +-32.3
2	310	0.2	24.6 +- 0.7; 3.7	12.7 +- 0.9; 5.0	16.8 +- 2.7
5	289	0.7	27.3 +- 0.8; 4.1	15.3 +- 0.9; 5.3	16.1 +- 1.9
6	261	1.7	24.5 +- 0.7; 3.7	12.6 +- 0.9; 5.0	14.4 +- 1.5
7	270	0.5	27.5 +- 0.8; 4.1	15.5 +- 1.0; 5.3	18.1 +- 1.9
8	247	0.3	29.4 +- 0.9; 4.4	17.2 +- 1.0; 5.5	16.5 +- 1.5
9	224	0.3	24.3 +- 0.7; 3.6	12.4 +- 0.9; 5.0	15.1 +- 2.1
10	205	0.3	24.2 +- 0.7; 3.6	12.3 +- 0.9; 5.0	16.5 +- 3.3
11	184	0.3	27.0 +- 0.8; 4.1	15.0 +- 0.9; 5.3	17.8 +- 3.0
12	159	0.4	25.1 +- 0.8; 3.8	13.2 +- 0.9; 5.1	15.8 +- 1.8
13	146	0.7	23.1 +- 0.7; 3.5	11.3 +- 0.8; 4.9	13.3 +- 1.6
14	155	1.0	25.8 +- 0.8; 3.9	13.9 +- 0.9; 5.1	14.7 +- 2.0
16	136	1.3	24.6 +- 0.7; 3.7	12.7 +- 0.9; 5.0	13.6 +- 1.4
18	212	0.8	23.5 +- 0.7; 3.5	11.6 +- 0.9; 4.9	13.8 +- 4.2
19	232	1.0	24.2 +- 0.7; 3.6	12.3 +- 0.9; 5.0	13.6 +- 1.6
21	256	1.6	22.8 +- 0.7; 3.4	11.0 +- 0.8; 4.8	13.0 +- 2.1
22	130	2.5	22.8 +- 0.7; 3.4	11.0 +- 0.8; 4.8	13.7 +- 1.8
23	146	3.4	24.5 +- 0.7; 3.7	12.6 +- 0.9; 5.0	13.1 +- 1.8
25	168	1.5	25.2 +- 0.8; 3.8	13.2 +- 0.9; 5.1	14.1 +- 1.7
26	180	1.3	22.4 +- 0.7; 3.4	10.7 +- 0.8; 4.8	12.1 +- 1.7
27	231	1.8	23.9 +- 0.7; 3.6	12.1 +- 0.9; 5.0	13.5 +- 1.7
30	153	2.2	27.0 +- 0.8; 4.1	15.0 +- 0.9; 5.3	16.0 +- 1.5
31	179	2.5	24.3 +- 0.7; 3.6	12.5 +- 0.9; 5.0	12.8 +- 1.7
32	217	2.6	21.7 +- 0.6; 3.2	9.9 +- 0.8; 4.7	12.2 +- 1.9
33	234	2.5	22.2 +- 0.7; 3.3	10.4 +- 0.8; 4.8	13.5 +- 2.1
34	320	7.5	23.8 +- 0.7; 3.6	12.0 +- 0.9; 4.9	12.9 +- 1.5
35	318	7.0	21.2 +- 0.6; 3.2	9.5 +- 0.8; 4.7	11.3 +- 0.9
37	264	4.2	25.0 +- 0.8; 3.8	13.1 +- 0.9; 5.1	14.3 +- 1.7
38	152	3.5	22.1 +- 0.7; 3.3	10.4 +- 0.8; 4.8	12.8 +- 2.0
39	155	5.3	21.8 +- 0.7; 3.3	10.1 +- 0.8; 4.8	11.7 +- 1.3
40	272	4.6	25.5 +- 0.8; 3.8	13.6 +- 0.9; 5.1	15.0 +- 1.7
42	281	4.6	23.8 +- 0.7; 3.6	12.0 +- 0.9; 4.9	13.1 +- 1.8
43	291	5.8	25.7 +- 0.8; 3.8	13.7 +- 0.9; 5.1	15.6 +- 1.7
45	197	6.0	22.9 +- 0.7; 3.4	11.1 +- 0.8; 4.9	12.5 +- 2.2
47	301	26.0	27.3 +- 0.8; 4.1	15.3 +- 0.9; 5.3	15.2 +- 1.8
48	301	26.0	28.4 +- 0.9; 4.3	16.3 +- 1.0; 5.4	15.8 +- 2.1
49	301	26.0	25.8 +- 0.8; 3.9	13.8 +- 0.9; 5.1	14.5 +- 1.7

Transit Dose = 11.2 +- 0.6; 3.8



## PILGRIM

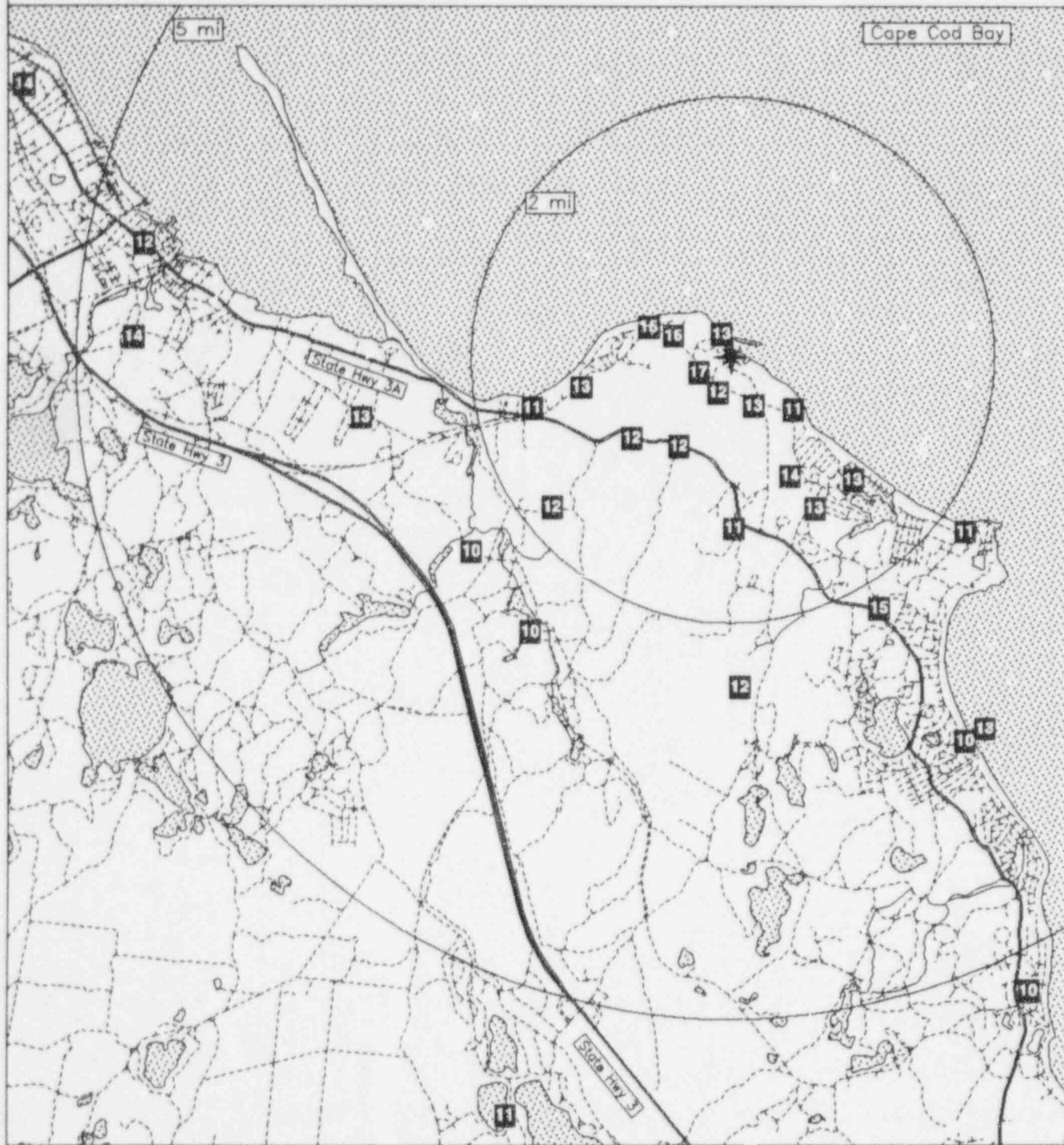
For the period 950315-950727

## TLD Direct Radiation Environmental Monitoring

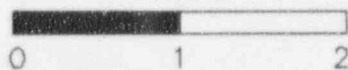
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	No Data +- No Data	0
11.26 - 33.75 NNE	No Data +- No Data	0
33.76 - 56.25 NE	No Data +- No Data	0
56.26 - 78.75 ENE	No Data +- No Data	0
78.76 - 101.25 E	No Data +- No Data	0
101.26 - 123.75 ESE	No Data +- No Data	0
123.76 - 146.25 SE	11.9 +- 0.9	4
146.26 - 168.75 SSE	12.6 +- 2.0	6
168.76 - 191.25 S	12.7 +- 2.2	3
191.26 - 213.75 SSW	11.7 +- 0.6	3
213.76 - 236.25 SW	11.4 +- 1.2	5
236.26 - 258.75 WSW	14.1 +- 4.4	2
258.76 - 281.25 W	13.3 +- 1.3	5
281.26 - 303.75 WNW	22.3 +- 13.6	3
303.76 - 326.25 NW	11.4 +- 1.7	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	14.4 +- 6.0	19
2 - 5	12.0 +- 1.6	10
> 5	11.3 +- 1.7	5
Upwind Control	15.1 +- 1.2	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 950313-950712 122 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	312	16.5	19.5	+ - 0.6; 2.9	17.5	+ - 0.7; 4.1	17.3	+ - 2.3
2	310	15.0	19.7	+ - 0.6; 3.0	17.7	+ - 0.7; 4.1	16.8	+ - 2.1
3	310	15.0	20.2	+ - 0.6; 3.0	18.2	+ - 0.7; 4.2	16.8	+ - 2.2
4	308	5.5	20.2	+ - 0.6; 3.0	18.2	+ - 0.7; 4.2	17.4	+ - 1.8
5	297	4.1	19.5	+ - 0.6; 2.9	17.5	+ - 0.7; 4.1	16.0	+ - 1.8
6	287	1.3	18.4	+ - 0.6; 2.8	16.3	+ - 0.6; 4.0	16.4	+ - 2.2
7	313	0.8	18.5	+ - 0.6; 2.8	16.4	+ - 0.6; 4.0	14.9	+ - 1.8
8	244	0.5	19.5	+ - 0.6; 2.9	17.5	+ - 0.7; 4.1	16.2	+ - 1.8
9	194	0.6	20.1	+ - 0.6; 3.0	18.1	+ - 0.7; 4.2	16.6	+ - 1.6
10	155	0.5	21.1	+ - 0.6; 3.2	19.2	+ - 0.7; 4.3	17.3	+ - 1.7
11	129	1.6	18.8	+ - 0.6; 2.8	16.8	+ - 0.6; 4.0	15.6	+ - 1.6
12	153	1.4	19.0	+ - 0.6; 2.9	17.0	+ - 0.7; 4.1	16.3	+ - 1.5
13	217	0.6	20.6	+ - 0.6; 3.1	18.7	+ - 0.7; 4.2	16.7	+ - 1.7
14	178	0.8	20.5	+ - 0.6; 3.1	18.6	+ - 0.7; 4.2	16.6	+ - 1.7
15	272	1.9	19.0	+ - 0.6; 2.8	17.0	+ - 0.7; 4.0	15.7	+ - 1.8
16	262	4.6	21.6	+ - 0.6; 3.2	19.7	+ - 0.7; 4.3	17.8	+ - 2.3
17	250	4.3	21.5	+ - 0.6; 3.2	19.5	+ - 0.7; 4.3	17.3	+ - 1.9
18	225	4.1	24.0	+ - 0.7; 3.6	22.1	+ - 0.8; 4.6	17.7	+ - 3.1
19	233	6.7	18.5	+ - 0.6; 2.8	16.4	+ - 0.6; 4.0	15.4	+ - 2.0
20	200	4.9	23.5	+ - 0.7; 3.5	21.6	+ - 0.8; 4.6	18.6	+ - 2.0
21	187	4.7	24.1	+ - 0.7; 3.6	22.2	+ - 0.8; 4.6	19.1	+ - 2.1
22	160	4.4	21.9	+ - 0.7; 3.3	19.9	+ - 0.7; 4.4	17.4	+ - 2.0
23	140	4.7	22.2	+ - 0.7; 3.3	20.2	+ - 0.7; 4.4	18.0	+ - 2.0
24	131	6.6	21.8	+ - 0.7; 3.3	19.8	+ - 0.7; 4.4	17.4	+ - 1.9
25	117	4.9	20.1	+ - 0.6; 3.0	18.1	+ - 0.7; 4.2	16.3	+ - 1.8
26	88	1.9	20.4	+ - 0.6; 3.1	18.4	+ - 0.7; 4.2	16.7	+ - 1.8
27	69	1.8	20.3	+ - 0.6; 3.0	18.3	+ - 0.7; 4.2	16.6	+ - 2.2
28	47	1.6	20.8	+ - 0.6; 3.1	18.8	+ - 0.7; 4.2	17.0	+ - 2.1
29	19	1.5	19.4	+ - 0.6; 2.9	17.4	+ - 0.7; 4.1	15.8	+ - 2.0
30	356	1.9	20.5	+ - 0.6; 3.1	18.5	+ - 0.7; 4.2	16.2	+ - 2.2
31	346	2.4	22.3	+ - 0.7; 3.3	20.4	+ - 0.7; 4.4	18.2	+ - 2.0
32	340	3.8	22.3	+ - 0.7; 3.3	20.3	+ - 0.7; 4.4	19.0	+ - 2.1
33	8	4.6	23.6	+ - 0.7; 3.5	21.7	+ - 0.8; 4.6	19.2	+ - 1.9
34	17	4.7	22.8	+ - 0.7; 3.4	20.9	+ - 0.8; 4.5	18.9	+ - 2.1
35	45	11.0	21.1	+ - 0.6; 3.2	19.1	+ - 0.7; 4.3	16.8	+ - 1.7
36	48	4.7	23.8	+ - 0.7; 3.6	21.9	+ - 0.8; 4.6	18.7	+ - 2.0
37	61	4.2	23.4	+ - 0.7; 3.5	21.5	+ - 0.8; 4.6	18.9	+ - 1.9
38	86	4.9	21.7	+ - 0.6; 3.2	19.7	+ - 0.7; 4.3	18.5	+ - 2.0
39	107	9.1	19.5	+ - 0.6; 2.9	17.5	+ - 0.7; 4.1	16.4	+ - 1.8
40	111	3.7	19.6	+ - 0.6; 2.9	17.6	+ - 0.7; 4.1	16.3	+ - 1.8
46	0	0.0	18.3	+ - 0.5; 2.7	16.2	+ - 0.6; 4.0	14.9	+ - 0.8
47	0	0.0	18.4	+ - 0.6; 2.8	16.4	+ - 0.6; 4.0	15.3	+ - 0.1

Transit Dose = 2.4 + - 0.3; 2.7

PRAIRIE ISLAND  
For the period 950313-950712

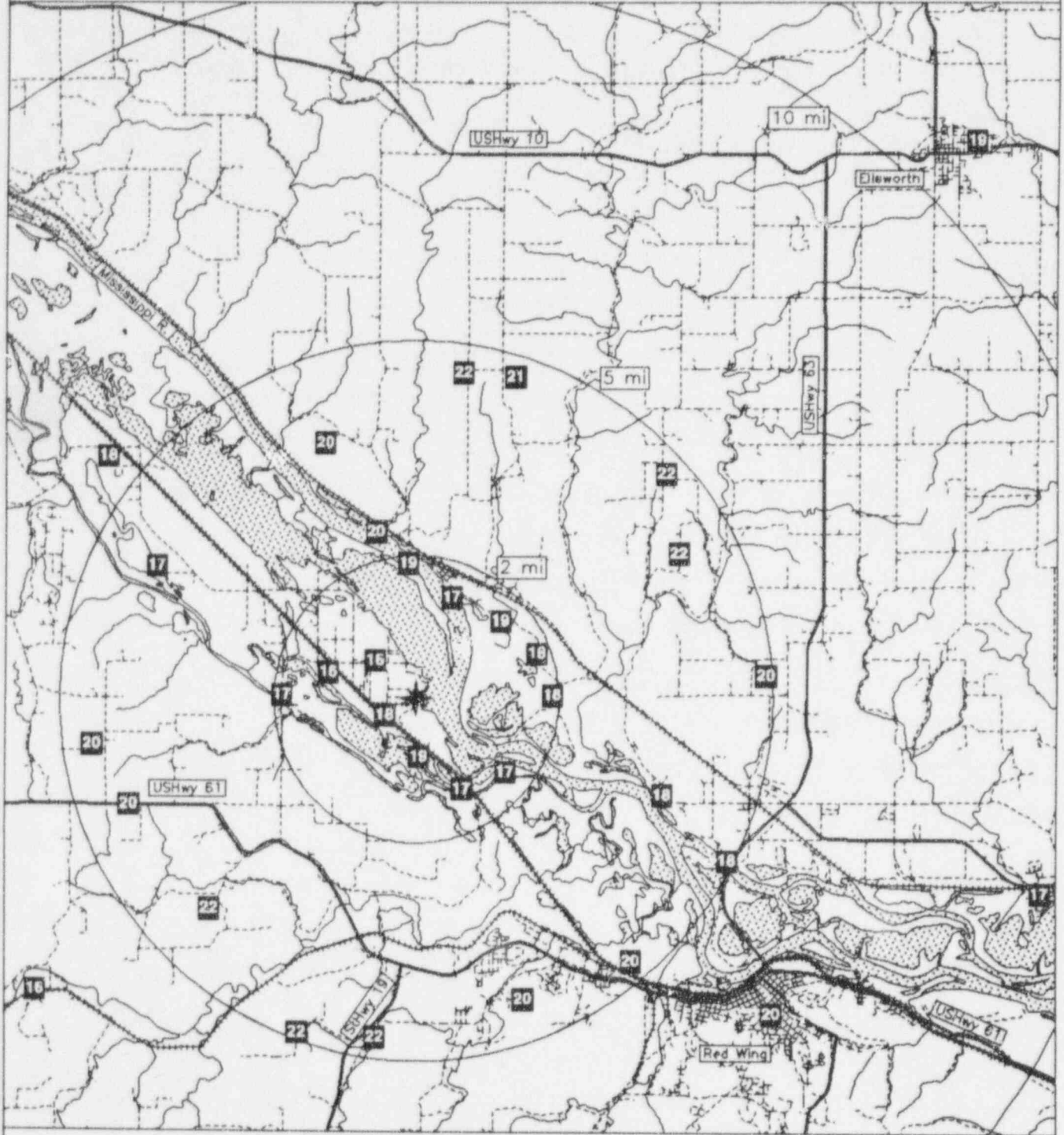
## TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	18.2 +- 2.5	4
11.26 - 33.75 NNE	19.1 +- 2.5	2
33.76 - 56.25 NE	19.9 +- 1.7	3
56.26 - 78.75 ENE	19.9 +- 2.2	2
78.76 - 101.25 E	19.1 +- 0.9	2
101.26 - 123.75 ESE	17.7 +- 0.3	3
123.76 - 146.25 SE	19.0 +- 1.9	3
146.26 - 168.75 SSE	18.7 +- 1.5	3
168.76 - 191.25 S	20.4 +- 2.6	2
191.26 - 213.75 SSW	19.8 +- 2.5	2
213.76 - 236.25 SW	19.1 +- 2.8	3
236.26 - 258.75 WSW	18.5 +- 1.4	2
258.76 - 281.25 W	18.3 +- 1.9	2
281.26 - 303.75 WNW	16.9 +- 0.8	2
303.76 - 326.25 NW	17.3 +- 1.3	2
326.26 - 348.75 NNW	20.4 +- 0.0	2

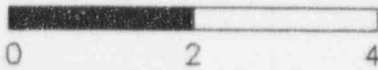
Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	17.6 +- 1.0	17
2 - 5	20.3 +- 1.5	17
> 5	18.2 +- 1.3	5
Upwind Control	17.8 +- 0.4	3



# 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 950313-950726 136 Days

Field Time: 91 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	19.0	+- 0.6; 2.9	15.7	+- 0.6; 4.0	14.8	+- 1.5
2	16	1.2	Missing Dosimeter		No Net Data		17.2	+- 2.1
3	35	1.7	19.0	+- 0.6; 2.9	15.7	+- 0.6; 4.0	15.0	+- 1.5
4	45	1.1	20.3	+- 0.6; 3.0	16.9	+- 0.7; 4.2	15.7	+- 1.4
5	90	0.8	20.1	+- 0.6; 3.0	16.7	+- 0.7; 4.1	15.5	+- 1.6
6	138	1.1	20.9	+- 0.6; 3.1	17.6	+- 0.7; 4.2	16.1	+- 1.6
7	175	1.8	19.7	+- 0.6; 3.0	16.4	+- 0.7; 4.1	16.1	+- 1.7
8	165	2.0	20.6	+- 0.6; 3.1	17.2	+- 0.7; 4.2	16.3	+- 1.5
9	186	3.1	Missing Dosimeter		No Net Data		15.7	+- 1.3
10	188	7.7	16.7	+- 0.5; 2.5	13.4	+- 0.6; 3.8	15.7	+- 4.7
11	156	4.2	21.4	+- 0.6; 3.2	18.0	+- 0.7; 4.3	16.7	+- 1.7
12	142	4.8	21.6	+- 0.6; 3.2	18.2	+- 0.7; 4.3	16.5	+- 1.9
13	123	3.3	20.7	+- 0.6; 3.1	17.4	+- 0.7; 4.2	16.1	+- 1.6
14	122	2.0	18.7	+- 0.6; 2.8	15.3	+- 0.6; 4.0	14.8	+- 1.7
15	86	2.8	21.4	+- 0.6; 3.2	18.1	+- 0.7; 4.3	17.1	+- 1.6
16	57	4.4	23.6	+- 0.7; 3.5	20.2	+- 0.8; 4.5	18.9	+- 1.7
17	48	6.1	19.9	+- 0.6; 3.0	16.6	+- 0.7; 4.1	16.4	+- 1.5
18	39	9.4	20.8	+- 0.6; 3.1	17.4	+- 0.7; 4.2	15.6	+- 1.1
19	34	4.7	19.8	+- 0.6; 3.0	16.4	+- 0.7; 4.1	15.4	+- 1.4
20	16	4.3	21.0	+- 0.6; 3.2	17.6	+- 0.7; 4.2	16.5	+- 1.7
21	352	4.2	20.3	+- 0.6; 3.1	17.0	+- 0.7; 4.2	18.5	+- 2.9
22	328	4.1	22.3	+- 0.7; 3.3	18.9	+- 0.7; 4.4	18.4	+- 1.8
23	337	5.7	21.2	+- 0.6; 3.2	17.8	+- 0.7; 4.3	16.9	+- 1.6
24	310	4.4	23.7	+- 0.7; 3.5	20.3	+- 0.8; 4.5	18.2	+- 1.9
25	295	4.1	21.2	+- 0.6; 3.2	17.9	+- 0.7; 4.3	16.2	+- 1.7
26	278	6.9	18.0	+- 0.5; 2.7	14.7	+- 0.6; 3.9	14.3	+- 1.5
27	260	4.3	21.1	+- 0.6; 3.2	17.8	+- 0.7; 4.2	16.2	+- 1.8
28	253	4.0	20.2	+- 0.6; 3.0	16.8	+- 0.7; 4.1	16.6	+- 1.7
29	352	2.8	22.1	+- 0.7; 3.3	18.7	+- 0.7; 4.4	17.4	+- 1.7
30	335	1.9	21.2	+- 0.6; 3.2	17.8	+- 0.7; 4.3	17.0	+- 1.6
31	305	2.6	20.4	+- 0.6; 3.1	17.1	+- 0.7; 4.2	17.1	+- 2.1
32	285	2.5	18.4	+- 0.6; 2.8	15.1	+- 0.6; 4.0	14.9	+- 2.3
33	257	2.0	20.3	+- 0.6; 3.0	16.9	+- 0.7; 4.2	16.6	+- 2.0
34	248	2.2	20.3	+- 0.6; 3.0	16.9	+- 0.7; 4.2	16.6	+- 1.4
35	229	2.6	19.2	+- 0.6; 2.9	15.9	+- 0.7; 4.0	15.7	+- 1.6
36	204	3.4	19.9	+- 0.6; 3.0	16.5	+- 0.7; 4.1	16.2	+- 2.4
37	194	9.3	Missing Dosimeter		No Net Data		16.5	+- 3.2
38	224	4.9	21.5	+- 0.6; 3.2	18.1	+- 0.7; 4.3	17.3	+- 1.9
39	301	14.0	19.7	+- 0.6; 3.0	16.4	+- 0.7; 4.1	15.5	+- 1.6
40	301	14.0	19.6	+- 0.6; 2.9	16.2	+- 0.7; 4.1	15.3	+- 1.7
41	301	14.0	19.0	+- 0.6; 2.9	15.7	+- 0.6; 4.0	14.8	+- 1.6

Transit Dose = 3.2 +- 0.3; 2.9

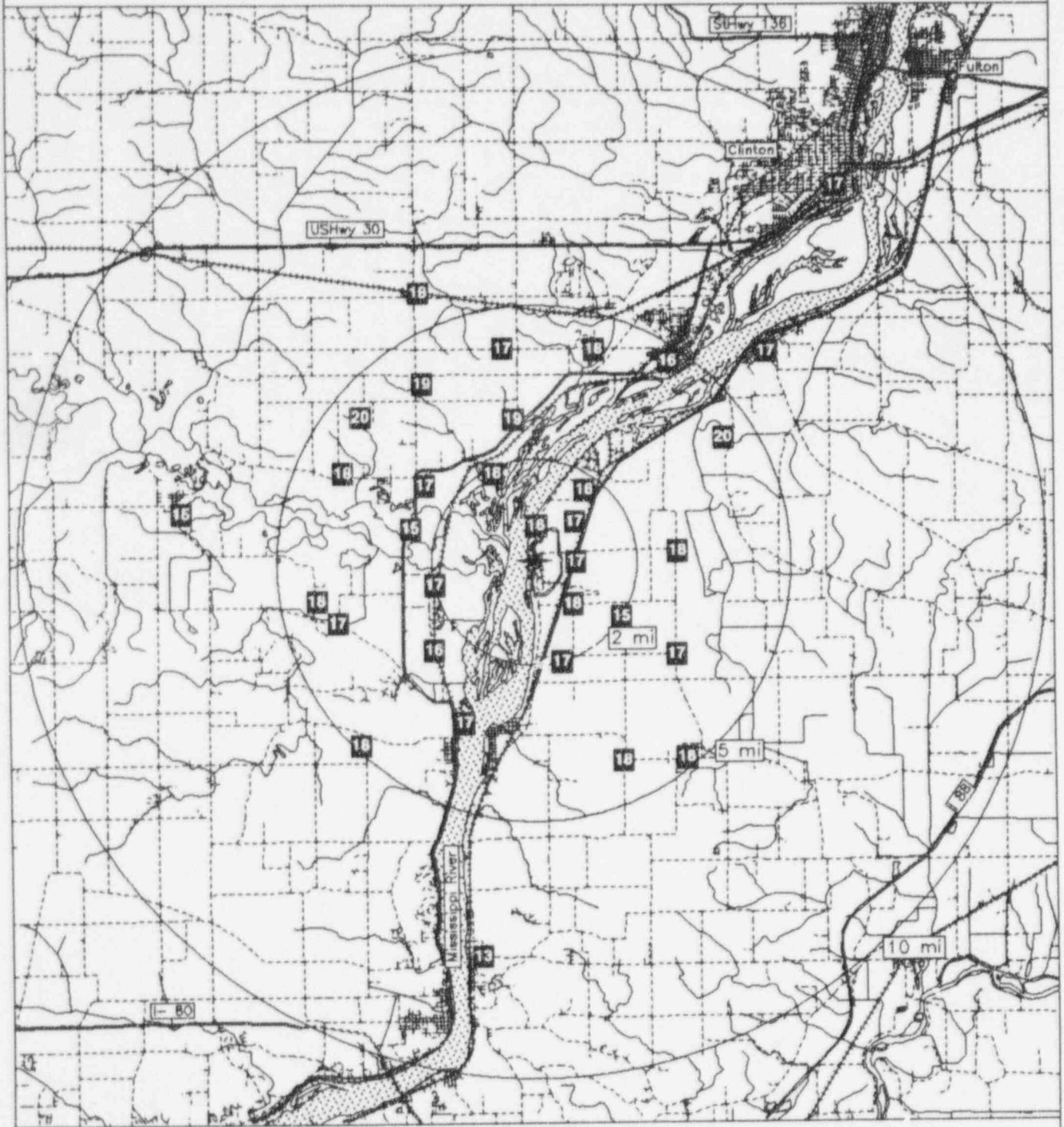
QUAD CITIES  
For the period 950313-950726

TLD Direct Radiation Environmental Monitoring

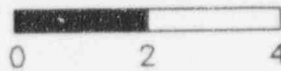
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	17.1 +- 1.5	3
11.26 - 33.75 NNE	17.6 +- 0.0	1
33.76 - 56.25 NE	16.6 +- 0.6	5
56.26 - 78.75 ENE	20.2 +- 0.0	1
78.76 - 101.25 E	17.4 +- 0.9	2
101.26 - 123.75 ESE	16.3 +- 1.4	2
123.76 - 146.25 SE	17.9 +- 0.4	2
146.26 - 168.75 SSE	17.6 +- 0.6	2
168.76 - 191.25 S	14.9 +- 2.1	2
191.26 - 213.75 SSW	16.5 +- 0.0	1
213.76 - 236.25 SW	17.0 +- 1.6	2
236.26 - 258.75 WSW	16.9 +- 0.0	3
258.76 - 281.25 W	16.2 +- 2.2	2
281.26 - 303.75 WNW	16.5 +- 2.0	2
303.76 - 326.25 NW	18.7 +- 2.3	2
326.26 - 348.75 NNW	18.2 +- 0.6	3

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	16.6 +- 0.8	10
2 - 5	17.6 +- 1.3	20
> 5	16.0 +- 1.9	5
Upwind Control	16.1 +- 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 950312-950727 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	288	16.0	20.2 +- 0.6; 3.0	16.0 +- 0.7; 4.4	16.2 +- 2.8
2	239	12.0	19.1 +- 0.6; 2.9	14.8 +- 0.7; 4.3	17.4 +- 1.7
3	213	16.0	21.4 +- 0.6; 3.2	17.2 +- 0.8; 4.5	18.7 +- 1.6
4	149	9.9	20.5 +- 0.6; 3.1	16.3 +- 0.7; 4.4	16.7 +- 2.4
5	108	8.2	Missing Dosimeter	No Net Data	22.5 +- 1.8
6	86	10.0	17.5 +- 0.5; 2.6	13.1 +- 0.7; 4.1	14.6 +- 1.9
7	83	9.7	18.1 +- 0.5; 2.7	13.7 +- 0.7; 4.2	14.5 +- 1.4
8	37	7.1	18.8 +- 0.6; 2.8	14.4 +- 0.7; 4.2	14.9 +- 1.6
9	65	0.8	20.2 +- 0.6; 3.0	16.0 +- 0.7; 4.4	15.8 +- 1.7
10	43	0.7	19.3 +- 0.6; 2.9	15.0 +- 0.7; 4.3	16.8 +- 2.2
11	92	0.2	18.4 +- 0.6; 2.8	14.0 +- 0.7; 4.2	15.2 +- 1.9
12	131	1.6	18.5 +- 0.6; 2.8	14.2 +- 0.7; 4.2	14.4 +- 1.4
13	358	0.6	22.3 +- 0.7; 3.3	18.1 +- 0.8; 4.6	17.6 +- 1.2
14	323	0.7	19.8 +- 0.6; 3.0	15.5 +- 0.7; 4.3	16.1 +- 1.4
15	151	0.7	18.8 +- 0.6; 2.8	14.4 +- 0.7; 4.2	15.3 +- 1.7
16	219	0.9	18.9 +- 0.6; 2.8	14.5 +- 0.7; 4.2	16.3 +- 1.6
17	245	1.5	19.6 +- 0.6; 2.9	15.3 +- 0.7; 4.3	15.5 +- 1.6
18	254	2.3	19.0 +- 0.6; 2.8	14.7 +- 0.7; 4.3	14.9 +- 1.2
19	323	7.0	Missing Dosimeter	No Net Data	16.6 +- 1.8
20	309	6.3	20.7 +- 0.6; 3.1	16.4 +- 0.8; 4.5	17.1 +- 1.8
21	279	5.7	18.2 +- 0.5; 2.7	13.9 +- 0.7; 4.2	16.0 +- 1.6
22	244	6.4	20.5 +- 0.6; 3.1	16.2 +- 0.7; 4.4	17.2 +- 1.4
23	217	4.6	19.2 +- 0.6; 2.9	14.9 +- 0.7; 4.3	16.2 +- 1.5
24	350	11.0	19.9 +- 0.6; 3.0	15.6 +- 0.7; 4.4	16.3 +- 1.6
25	318	17.0	19.6 +- 0.6; 2.9	15.3 +- 0.7; 4.3	16.7 +- 1.6
26	311	22.0	18.7 +- 0.6; 2.8	14.3 +- 0.7; 4.2	17.0 +- 1.9
27	306	27.0	19.0 +- 0.6; 2.8	14.6 +- 0.7; 4.3	15.5 +- 1.6
28	306	27.0	19.9 +- 0.6; 3.0	15.6 +- 0.7; 4.4	15.6 +- 1.2
29	306	27.0	20.0 +- 0.6; 3.0	15.7 +- 0.7; 4.4	15.8 +- 2.4
30	306	27.0	19.8 +- 0.6; 3.0	15.5 +- 0.7; 4.4	15.3 +- 1.8

Transit Dose = 5.0 +- 0.4; 2.9

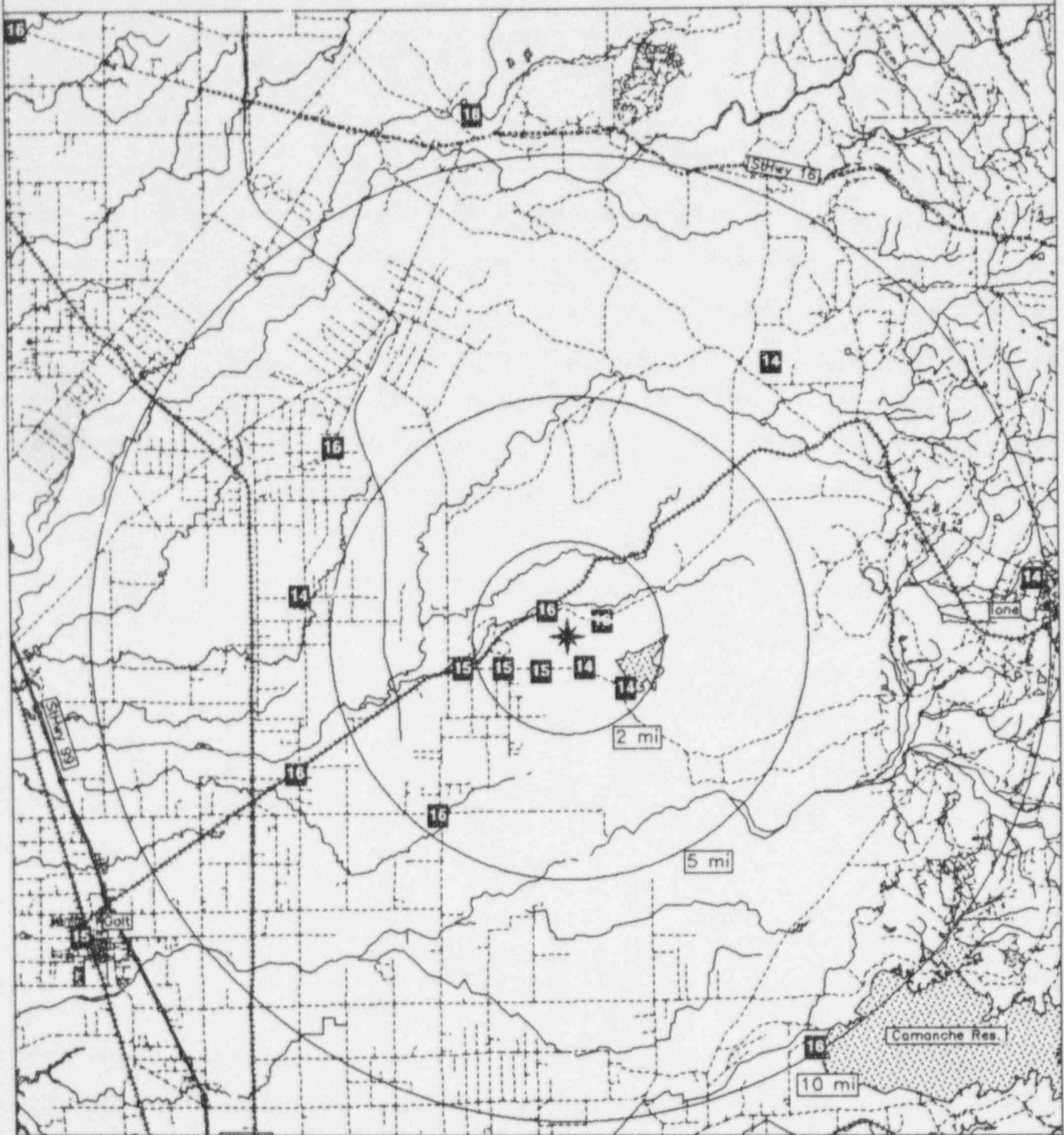
RANCHO SECO  
For the period 950312-950727

TLD Direct Radiation Environmental Monitoring

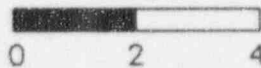
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	16.8 +- 1.7	2
11.26 - 33.75 NNE	No Data +- No Data	0
33.76 - 56.25 NE	14.7 +- 0.4	2
56.26 - 78.75 ENE	16.0 +- 0.0	1
78.76 - 101.25 E	13.6 +- 0.5	3
101.26 - 123.75 ESE	No Data +- No Data	0
123.76 - 146.25 SE	14.2 +- 0.0	1
146.26 - 168.75 SSE	15.4 +- 1.3	2
168.76 - 191.25 S	No Data +- No Data	0
191.26 - 213.75 SSW	17.2 +- 0.0	1
213.76 - 236.25 SW	14.7 +- 0.2	2
236.26 - 258.75 WSW	15.3 +- 0.7	4
258.76 - 281.25 W	13.9 +- 0.0	1
281.26 - 303.75 WNW	16.0 +- 0.0	1
303.76 - 326.25 NW	15.7 +- 0.4	5
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	15.2 +- 1.2	9
2 - 5	14.8 +- 0.1	2
> 5	15.3 +- 1.2	14
Upwind Control	14.9 +- 0.7	3

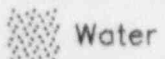
# NRC TLD DOSES FOR RANCHO SECO AREA



Miles



### Legend



Water

--- Railroads



Plant site

— Highways

--- Roads

## RIVER BEND

TLD Direct Radiation Environmental Monitoring

For the period 950312-950712 123 Days

Field Time: 85 Days

NRC Sta	Location		Gross	Net Exposure Rate	Hist. Range
	Azimuth/Dist (Deg)/(Mi)		Exposure (mR) +-Rdm; Tot.	(mR/Std. Qtr.) +-Rdm; Tot.	Net Exp Rate +-1 Std Dev
1	348	1.3	15.9 +- 0.5; 2.4	12.8 +- 0.6; 3.9	17.0 +- 1.2
2	42	1.1	19.2 +- 0.6; 2.9	16.4 +- 0.7; 4.2	17.5 +- 1.3
3	61	1.1	20.2 +- 0.6; 3.0	17.5 +- 0.7; 4.4	18.4 +- 1.5
4	90	0.8	19.2 +- 0.6; 2.9	16.3 +- 0.7; 4.2	17.4 +- 1.3
5	107	0.6	20.2 +- 0.6; 3.0	17.4 +- 0.7; 4.3	18.1 +- 1.4
6	136	0.8	20.9 +- 0.6; 3.1	18.1 +- 0.7; 4.4	18.5 +- 1.6
7	166	1.0	18.2 +- 0.5; 2.7	15.3 +- 0.7; 4.1	15.4 +- 1.1
8	182	0.9	18.1 +- 0.5; 2.7	15.2 +- 0.7; 4.1	16.4 +- 1.1
9	195	0.6	18.4 +- 0.6; 2.8	15.5 +- 0.7; 4.1	16.4 +- 1.2
10	225	0.7	19.0 +- 0.6; 2.9	16.1 +- 0.7; 4.2	16.9 +- 1.2
11	254	0.4	16.4 +- 0.5; 2.5	13.4 +- 0.6; 3.9	16.6 +- 1.2
12	276	0.6	21.3 +- 0.6; 3.2	18.6 +- 0.8; 4.5	17.9 +- 1.3
13	295	0.6	20.0 +- 0.6; 3.0	17.2 +- 0.7; 4.3	18.5 +- 1.3
14	320	0.9	17.9 +- 0.5; 2.7	15.0 +- 0.7; 4.1	17.3 +- 1.4
15	332	2.1	20.6 +- 0.6; 3.1	17.9 +- 0.7; 4.4	18.2 +- 1.4
16	312	2.7	17.6 +- 0.5; 2.6	14.6 +- 0.7; 4.0	17.1 +- 1.9
17	302	3.1	17.5 +- 0.5; 2.6	14.6 +- 0.7; 4.0	15.4 +- 1.3
18	278	3.8	18.0 +- 0.5; 2.7	15.1 +- 0.7; 4.1	14.8 +- 1.6
19	242	2.8	19.3 +- 0.6; 2.9	16.4 +- 0.7; 4.2	19.0 +- 1.4
20	195	5.4	Missing Dosimeter	No Net Data	17.0 +- 1.5
21	215	3.0	18.8 +- 0.6; 2.8	15.9 +- 0.7; 4.2	17.7 +- 1.2
22	233	7.1	15.8 +- 0.5; 2.4	12.8 +- 0.6; 3.9	14.6 +- 1.8
23	246	9.7	18.8 +- 0.6; 2.8	15.9 +- 0.7; 4.2	17.3 +- 1.3
24	234	7.3	17.3 +- 0.5; 2.6	14.3 +- 0.6; 4.0	15.2 +- 1.8
25	185	7.6	19.9 +- 0.6; 3.0	17.1 +- 0.7; 4.3	17.5 +- 1.2
26	322	7.7	17.5 +- 0.5; 2.6	14.5 +- 0.7; 4.0	16.3 +- 1.6
27	328	10.0	20.0 +- 0.6; 3.0	17.2 +- 0.7; 4.3	18.2 +- 1.4
28	340	7.2	19.8 +- 0.6; 3.0	17.0 +- 0.7; 4.3	17.7 +- 1.1
29	354	9.5	17.7 +- 0.5; 2.6	14.7 +- 0.7; 4.1	16.7 +- 1.2
30	360	5.1	20.4 +- 0.6; 3.1	17.6 +- 0.7; 4.4	18.1 +- 1.5
31	221	6.9	20.0 +- 0.6; 3.0	17.2 +- 0.7; 4.3	18.0 +- 1.3
32	40	4.9	18.9 +- 0.6; 2.8	16.1 +- 0.7; 4.2	17.2 +- 1.2
33	52	8.7	14.2 +- 0.4; 2.1	11.1 +- 0.6; 3.7	14.6 +- 1.1
34	65	8.4	17.4 +- 0.5; 2.6	14.5 +- 0.7; 4.0	16.5 +- 1.2
35	87	6.6	16.9 +- 0.5; 2.5	13.9 +- 0.6; 4.0	15.2 +- 1.0
36	326	5.8	18.4 +- 0.6; 2.8	15.5 +- 0.7; 4.1	17.6 +- 1.4
37	329	22.0	18.4 +- 0.6; 2.8	15.5 +- 0.7; 4.1	17.0 +- 1.1
38	111	3.8	17.6 +- 0.5; 2.6	14.7 +- 0.7; 4.1	16.3 +- 1.3
39	131	5.6	19.1 +- 0.6; 2.9	16.3 +- 0.7; 4.2	17.1 +- 1.1
40	155	6.2	19.2 +- 0.6; 2.9	16.3 +- 0.7; 4.2	17.9 +- 1.3
41	120	9.0	20.2 +- 0.6; 3.0	17.4 +- 0.7; 4.3	16.5 +- 1.6
42	121	11.0	17.2 +- 0.5; 2.6	14.3 +- 0.6; 4.0	14.8 +- 0.9
43	180	1.1	20.2 +- 0.6; 3.0	17.4 +- 0.7; 4.3	18.8 +- 1.3
44	150	28.0	16.0 +- 0.5; 2.4	12.9 +- 0.6; 3.9	14.3 +- 1.2

Transit Dose = 3.8 +- 0.3; 2.8



## RIVER BEND

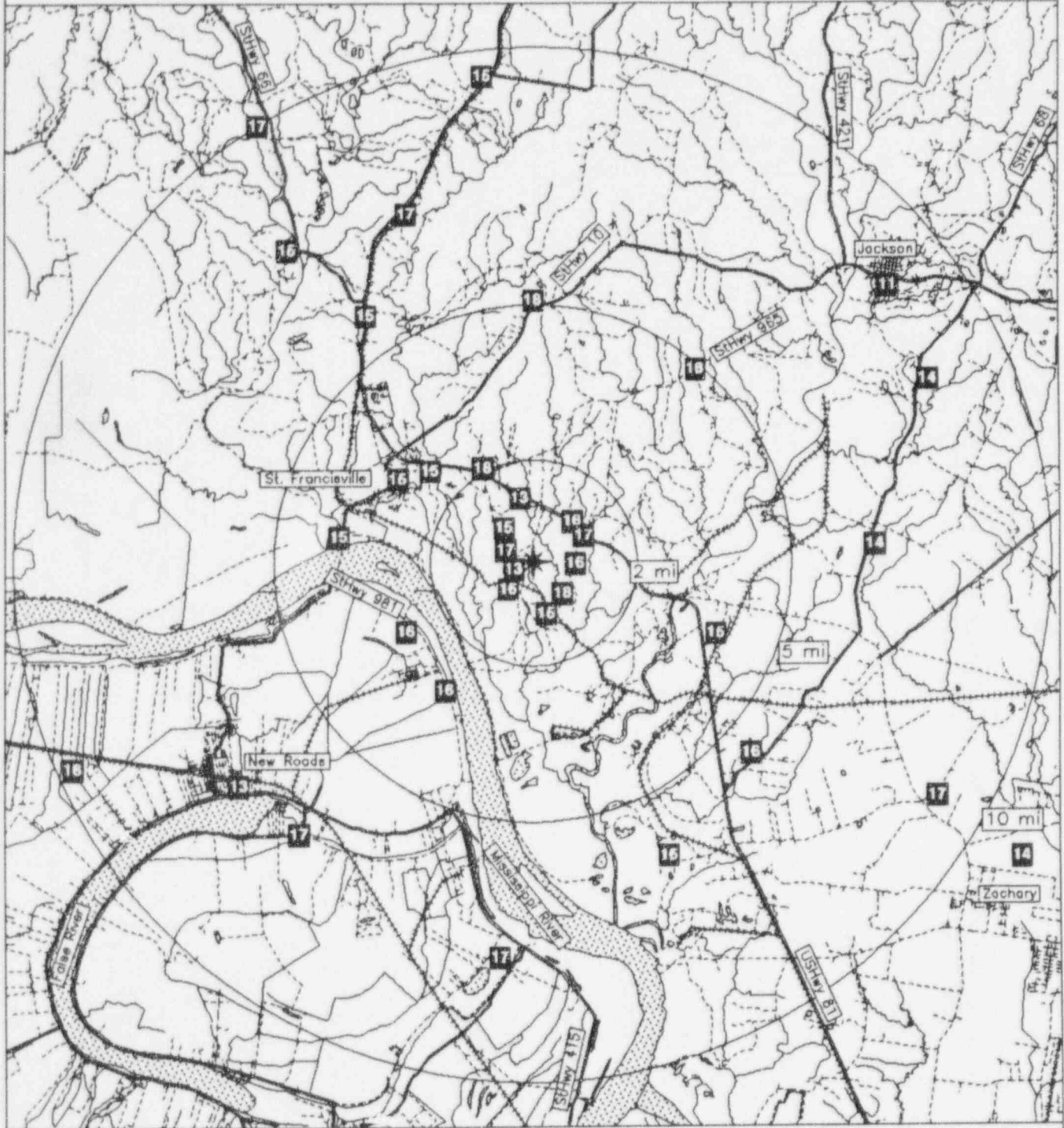
For the period 950312-950712

## TLD Direct Radiation Environmental Monitoring

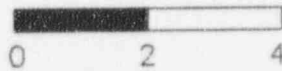
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	16.2 +- 2.0	2
11.26 - 33.75 NNE	No Data +- No Data	0
33.76 - 56.25 NE	14.5 +- 3.0	3
56.26 - 78.75 ENE	16.0 +- 2.1	2
78.76 - 101.25 E	15.1 +- 1.7	2
101.26 - 123.75 ESE	15.9 +- 1.7	4
123.76 - 146.25 SE	17.2 +- 1.3	2
146.26 - 168.75 SSE	15.8 +- 0.7	2
168.76 - 191.25 S	16.5 +- 1.2	3
191.26 - 213.75 SSW	15.5 +- 0.0	1
213.76 - 236.25 SW	15.3 +- 1.7	5
236.26 - 258.75 WSW	15.2 +- 1.6	3
258.76 - 281.25 W	16.8 +- 2.4	2
281.26 - 303.75 WNW	15.9 +- 1.9	2
303.76 - 326.25 NW	14.9 +- 0.4	4
326.26 - 348.75 NNW	16.1 +- 2.0	5

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	16.1 +- 1.6	15
2 - 5	15.7 +- 1.1	8
> 5	15.4 +- 1.7	19
Upwind Control	12.9 +- 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 950313-950713 123 Days

Field Time: 101 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)	Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	191 0.2	18.2 +- 0.5; 2.7	13.7 +- 0.6; 3.7	14.3 +- 1.2
2	151 1.9	26.7 +- 0.8; 4.0	21.2 +- 0.8; 4.5	21.7 +- 2.1
3	134 2.0	21.5 +- 0.6; 3.2	16.6 +- 0.6; 4.0	17.7 +- 1.3
4	119 1.9	17.7 +- 0.5; 2.7	13.3 +- 0.6; 3.7	14.3 +- 0.9
5	89 2.1	19.6 +- 0.6; 2.9	15.0 +- 0.6; 3.8	17.9 +- 1.3
6	65 1.0	20.7 +- 0.6; 3.1	16.0 +- 0.6; 3.9	16.1 +- 1.2
7	46 1.8	20.4 +- 0.6; 3.1	15.7 +- 0.6; 3.9	16.9 +- 1.7
8	27 1.9	22.4 +- 0.7; 3.4	17.4 +- 0.7; 4.1	16.9 +- 1.2
9	22 3.5	20.2 +- 0.6; 3.0	15.5 +- 0.6; 3.9	16.4 +- 1.8
10	0 5.0	23.6 +- 0.7; 3.5	18.5 +- 0.7; 4.2	17.8 +- 1.3
11	51 4.8	23.8 +- 0.7; 3.6	18.7 +- 0.7; 4.2	19.2 +- 1.1
12	67 4.1	18.4 +- 0.6; 2.8	13.8 +- 0.6; 3.7	14.5 +- 1.6
13	87 4.5	21.7 +- 0.6; 3.2	16.8 +- 0.7; 4.0	15.4 +- 1.0
14	109 5.0	21.4 +- 0.6; 3.2	16.6 +- 0.6; 4.0	15.9 +- 1.2
15	118 4.8	Missing Dosimeter	No Net Data	16.2 +- 2.0
16	138 5.3	20.9 +- 0.6; 3.1	16.1 +- 0.6; 4.0	16.7 +- 1.5
17	115 17.1	19.9 +- 0.6; 3.0	15.2 +- 0.6; 3.9	15.3 +- 1.8
18	199 12.6	20.7 +- 0.6; 3.1	15.9 +- 0.6; 3.9	16.3 +- 1.0
19	208 4.8	27.0 +- 0.8; 4.0	21.5 +- 0.8; 4.6	21.8 +- 2.4
20	225 4.0	24.3 +- 0.7; 3.6	19.1 +- 0.7; 4.3	19.4 +- 1.3
21	178 4.6	16.8 +- 0.5; 2.5	12.4 +- 0.5; 3.6	12.7 +- 1.2
22	167 3.7	20.4 +- 0.6; 3.1	15.6 +- 0.6; 3.9	16.1 +- 1.0
23	181 2.3	19.7 +- 0.6; 3.0	15.0 +- 0.6; 3.9	15.4 +- 1.1
24	194 2.0	22.9 +- 0.7; 3.4	17.9 +- 0.7; 4.2	19.0 +- 1.2
25	228 2.1	23.6 +- 0.7; 3.5	18.5 +- 0.7; 4.2	18.0 +- 1.2
26	245 1.5	18.7 +- 0.6; 2.8	14.2 +- 0.6; 3.8	14.1 +- 1.5
27	273 1.8	17.8 +- 0.5; 2.7	13.3 +- 0.6; 3.7	13.6 +- 1.2
28	287 2.0	17.5 +- 0.5; 2.6	13.1 +- 0.6; 3.7	13.3 +- 1.1
29	311 1.6	22.0 +- 0.7; 3.3	17.1 +- 0.7; 4.1	17.3 +- 1.0
30	334 1.9	18.4 +- 0.6; 2.8	13.9 +- 0.6; 3.7	16.2 +- 1.7
31	351 2.1	18.3 +- 0.5; 2.7	13.8 +- 0.6; 3.7	15.1 +- 2.0
32	333 4.0	21.2 +- 0.6; 3.2	16.4 +- 0.6; 4.0	16.3 +- 1.2
33	318 4.7	Missing Dosimeter	No Net Data	17.7 +- 1.2
34	310 6.9	19.7 +- 0.6; 3.0	15.0 +- 0.6; 3.9	15.5 +- 1.9
35	295 4.0	26.2 +- 0.8; 3.9	20.8 +- 0.8; 4.5	20.6 +- 1.3
36	269 4.8	23.3 +- 0.7; 3.5	18.2 +- 0.7; 4.2	18.3 +- 1.7
37	252 4.6	22.5 +- 0.7; 3.4	17.5 +- 0.7; 4.1	17.3 +- 1.4
38	274 10.7	19.7 +- 0.6; 3.0	15.1 +- 0.6; 3.9	18.5 +- 3.3
39	286 15.3	17.5 +- 0.5; 2.6	13.1 +- 0.6; 3.7	14.9 +- 1.3
40	289 16.5	19.1 +- 0.6; 2.9	14.5 +- 0.6; 3.8	14.1 +- 1.1
41	291 17.5	18.1 +- 0.5; 2.7	13.6 +- 0.6; 3.7	15.2 +- 1.4

Transit Dose = 2.8 +- 0.3; 3.2

ROBINSON  
For the period 950313-950713

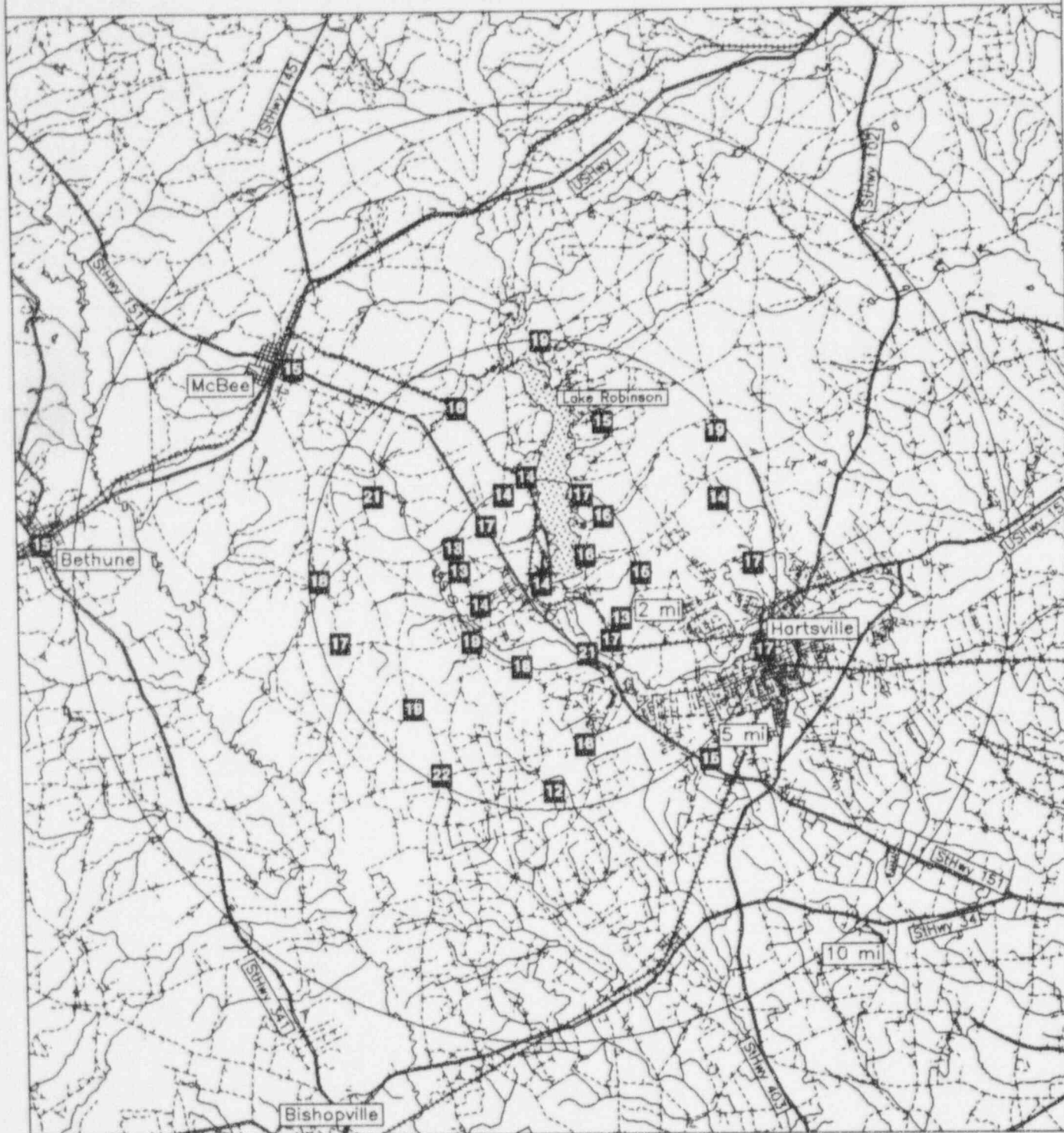
TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	16.2 +- 3.3	2
11.26 - 33.75 NNE	16.5 +- 1.4	2
33.76 - 56.25 NE	17.2 +- 2.1	2
56.26 - 78.75 ENE	14.9 +- 1.5	2
78.76 - 101.25 E	15.9 +- 1.3	2
101.26 - 123.75 ESE	15.0 +- 1.6	3
123.76 - 146.25 SE	16.4 +- 0.4	2
146.26 - 168.75 SSE	18.4 +- 4.0	2
168.76 - 191.25 S	13.7 +- 1.3	3
191.26 - 213.75 SSW	18.5 +- 2.8	3
213.76 - 236.25 SW	18.8 +- 0.4	2
236.26 - 258.75 WSW	15.8 +- 2.3	2
258.76 - 281.25 W	15.5 +- 2.5	3
281.26 - 303.75 WNW	16.9 +- 5.5	2
303.76 - 326.25 NW	16.0 +- 1.4	2
326.26 - 348.75 NNW	15.1 +- 1.8	2

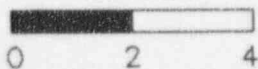
Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	15.6 +- 2.4	13
2 - 5	16.9 +- 2.5	18
> 5	15.5 +- 0.5	5
Upwind Control	13.7 +- 0.7	3



# NRC TLD DOSES FOR ROBINSON AREA



Miles



### Legend

- Water
- Highways

- Railroads
- Roads

Plant..site

SALEM (DE)

TLD Direct Radiation Environmental Monitoring

For the period 950315-950713 121 Days

Field Time: 92 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)		Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
17	331	4.2	17.8 +- 0.5; 2.7	16.1 +- 0.6; 3.8	16.8 +- 1.8
18	320	3.8	14.6 +- 0.4; 2.2	13.0 +- 0.5; 3.5	13.8 +- 1.0
19	299	3.4	17.1 +- 0.5; 2.6	15.4 +- 0.6; 3.7	16.0 +- 1.2
20	330	9.5	21.3 +- 0.6; 3.2	19.6 +- 0.7; 4.1	19.3 +- 1.3
21	276	3.6	19.6 +- 0.6; 2.9	18.0 +- 0.6; 4.0	18.0 +- 1.2
22	266	4.7	19.3 +- 0.6; 2.9	17.6 +- 0.6; 3.9	17.6 +- 0.8
23	257	4.4	19.0 +- 0.6; 2.8	17.3 +- 0.6; 3.9	17.3 +- 1.1
24	240	4.4	19.9 +- 0.6; 3.0	18.2 +- 0.6; 4.0	17.8 +- 1.0
25	217	4.9	19.4 +- 0.6; 2.9	17.7 +- 0.6; 3.9	17.6 +- 1.2
26	204	3.9	18.6 +- 0.6; 2.8	17.0 +- 0.6; 3.9	16.3 +- 1.1
27	188	4.2	19.7 +- 0.6; 3.0	18.0 +- 0.6; 4.0	19.0 +- 2.4
28	319	18.1	22.5 +- 0.7; 3.4	20.8 +- 0.7; 4.3	19.4 +- 1.7
29	265	6.7	16.5 +- 0.5; 2.5	14.9 +- 0.5; 3.6	14.7 +- 1.0
30	340	12.2	14.7 +- 0.4; 2.2	13.1 +- 0.5; 3.5	14.2 +- 1.2
31	0	18.2	20.3 +- 0.6; 3.1	18.6 +- 0.7; 4.0	16.9 +- 1.0
32	338	8.1	16.4 +- 0.5; 2.5	14.7 +- 0.5; 3.6	15.2 +- 1.1
33	265	9.8	18.3 +- 0.5; 2.7	16.6 +- 0.6; 3.8	17.5 +- 1.1
34	207	11.6	17.6 +- 0.5; 2.6	15.9 +- 0.6; 3.7	16.6 +- 1.1

Transit Dose = 1.3 +- 0.3; 2.8

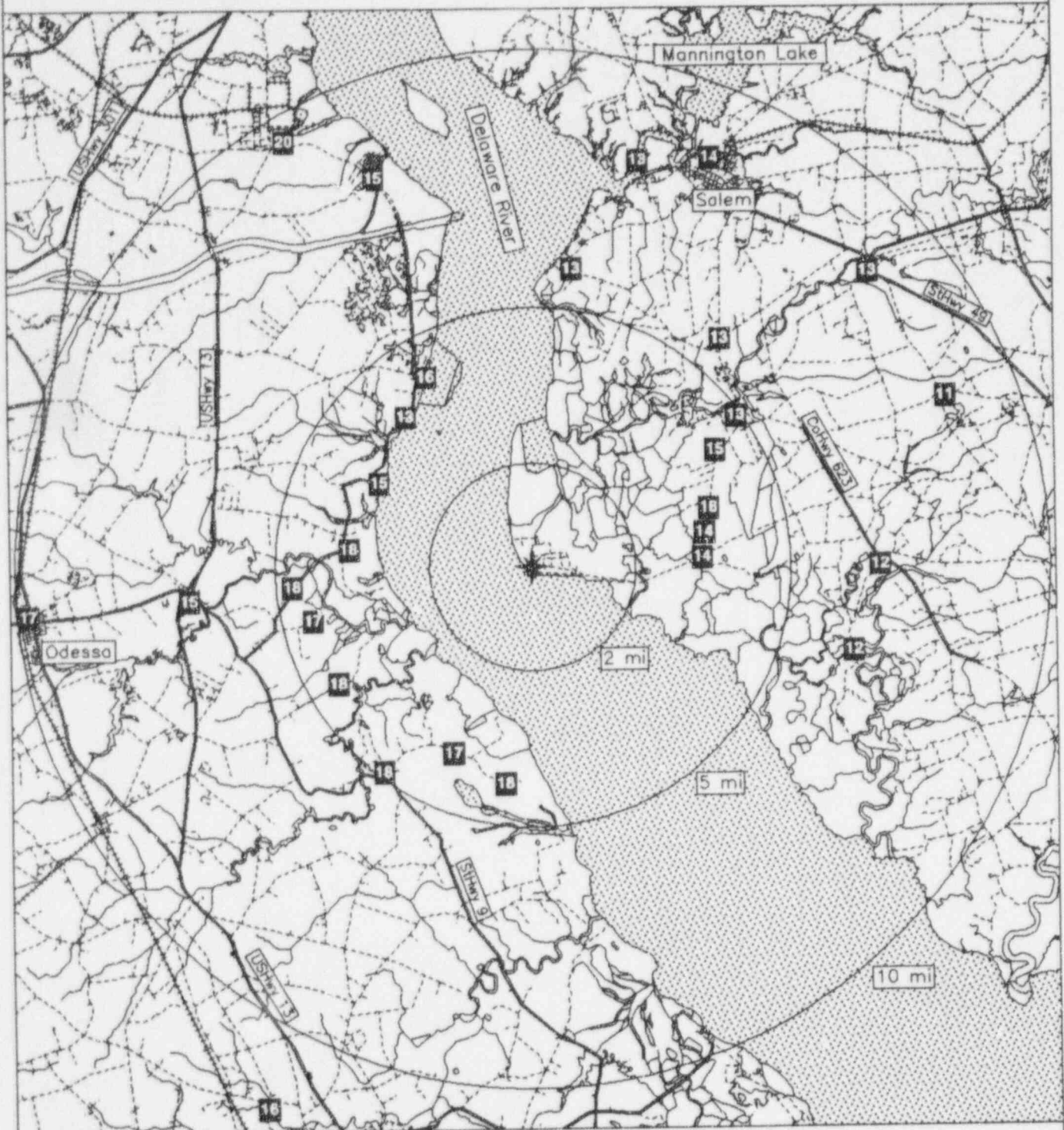
SALEM (DE)  
For the period 950315-950713

TLD Direct Radiation Environmental Monitoring

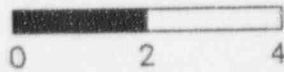
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	No Data +- No Data	0
11.26 - 33.75 NNE	No Data +- No Data	0
33.76 - 56.25 NE	No Data +- No Data	0
56.26 - 78.75 ENE	No Data +- No Data	0
78.76 - 101.25 E	No Data +- No Data	0
101.26 - 123.75 ESE	No Data +- 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	18.0 +- 0.0	1
191.26 - 213.75 SSW	16.4 +- 0.7	2
213.76 - 236.25 SW	17.7 +- 0.0	1
236.26 - 258.75 WSW	17.8 +- 0.6	2
258.76 - 281.25 W	16.8 +- 1.4	4
281.26 - 303.75 WNW	15.4 +- 0.0	1
303.76 - 326.25 NW	13.0 +- 0.0	1
326.26 - 348.75 NNW	16.8 +- 2.5	3

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	No Data +- No Data	0
2 - 5	16.8 +- 1.6	10
> 5	16.3 +- 2.0	5
Upwind Control	17.5 +- 4.0	3

# NRC TLD DOSES FOR SALEM - HOPE CREEK AREA



Miles



### Legend

Water

Railroads

Plant..site

Highways

Roads



SALEM (NJ)

TLD Direct Radiation Environmental Monitoring

For the period 950315-950713 121 Days

Field Time: 92 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)		Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	87	3.3	15.4 +- 0.5; 2.3	13.6 +- 0.5; 3.5	14.0 +- 0.7
2	79	3.4	15.5 +- 0.5; 2.3	13.7 +- 0.5; 3.5	14.1 +- 1.0
3	72	3.6	17.3 +- 0.5; 2.6	15.5 +- 0.6; 3.7	16.9 +- 2.3
4	58	4.2	17.1 +- 0.5; 2.6	15.3 +- 0.6; 3.7	15.2 +- 1.4
5	54	4.9	14.5 +- 0.4; 2.2	12.7 +- 0.5; 3.5	13.2 +- 0.9
6	68	8.6	12.6 +- 0.4; 1.9	11.0 +- 0.5; 3.3	11.9 +- 0.9
7	40	5.7	15.0 +- 0.5; 2.3	13.3 +- 0.5; 3.5	13.9 +- 0.9
8	116	12.0	15.3 +- 0.5; 2.3	13.5 +- 0.5; 3.5	13.6 +- 0.6
10	8	5.8	14.8 +- 0.4; 2.2	13.0 +- 0.5; 3.5	13.8 +- 1.0
11	15	8.1	15.2 +- 0.5; 2.3	13.5 +- 0.5; 3.5	13.1 +- 0.7
12	24	8.6	15.4 +- 0.5; 2.3	13.7 +- 0.5; 3.5	13.2 +- 0.8
13	49	8.6	15.1 +- 0.5; 2.3	13.4 +- 0.5; 3.5	12.6 +- 0.7
14	90	6.7	14.1 +- 0.4; 2.1	12.4 +- 0.5; 3.4	12.2 +- 0.9
15	105	6.4	13.9 +- 0.4; 2.1	12.2 +- 0.5; 3.4	12.1 +- 0.8

Transit Dose = 1.4 +- 0.3; 2.8

SALEM (NJ)

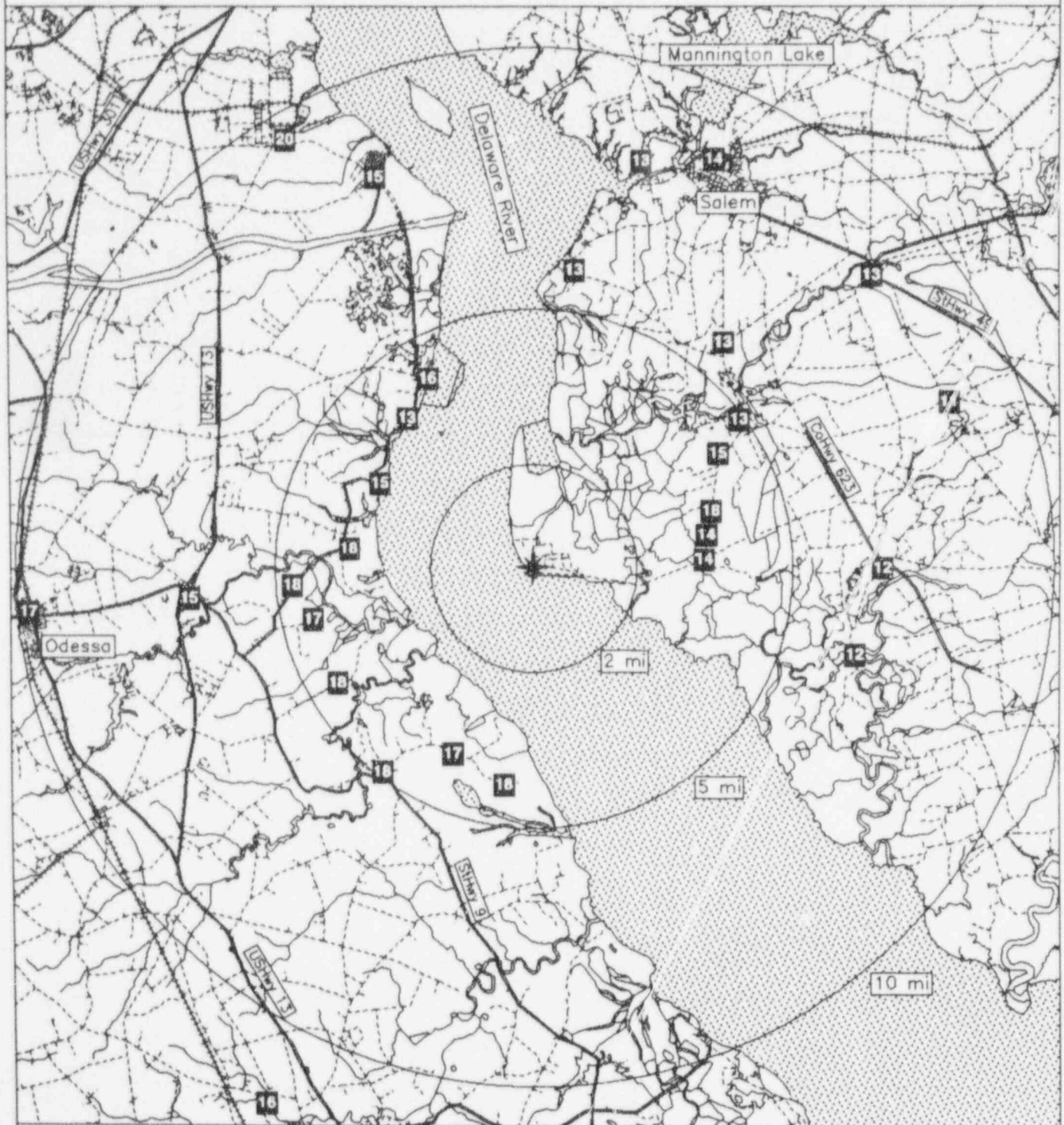
For the period 950315-950713

## TLD Direct Radiation Environmental Monitoring

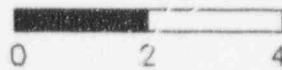
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	13.0 +- 0.0	1
11.26 - 33.75 NNE	13.6 +- 0.1	2
33.76 - 56.25 NE	13.1 +- 0.3	3
56.26 - 78.75 ENE	13.9 +- 2.6	3
78.76 - 101.25 E	13.2 +- 0.7	3
101.26 - 123.75 ESE	12.9 +- 0.9	2
123.76 - 146.25 SE	No Data +- No 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	14.2 +- 1.2	5
> 5	12.9 +- 0.9	9
Upwind Control	No Data +- No Data	0

# NRC TLD DOSES FOR SALEM - HOPE CREEK AREA



Miles



Legend



Water



Highways

--- Railroads

--- Road's



Plant..site

SAN ONOFRE  
 TLD Direct Radiation Environmental Monitoring  
 For the period 950312-950727 138 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	346	35.0	28.7	+- 0.9; 4.3	23.3	+- 0.9; 5.1	23.5	+- 1.5
2	346	35.0	28.4	+- 0.9; 4.3	23.0	+- 0.9; 5.1	23.1	+- 1.5
3	346	35.0	28.6	+- 0.9; 4.3	23.2	+- 0.9; 5.1	23.3	+- 1.8
4	327	11.0	21.0	+- 0.6; 3.2	15.9	+- 0.7; 4.3	16.7	+- 1.8
5	308	14.0	23.8	+- 0.7; 3.6	18.6	+- 0.8; 4.6	19.4	+- 1.5
6	307	10.0	22.4	+- 0.7; 3.4	17.2	+- 0.7; 4.4	17.0	+- 1.6
7	318	6.3	22.2	+- 0.7; 3.3	17.1	+- 0.7; 4.4	17.6	+- 1.5
8	322	5.1	23.9	+- 0.7; 3.6	18.7	+- 0.8; 4.6	19.4	+- 1.5
9	311	3.3	23.0	+- 0.7; 3.5	17.8	+- 0.8; 4.5	17.5	+- 1.7
10	331	3.3	23.0	+- 0.7; 3.5	17.9	+- 0.8; 4.5	19.7	+- 2.8
11	300	2.6	Missing Dosimeter		No Net Data		19.1	+- 1.6
12	285	0.5	26.7	+- 0.8; 4.0	21.4	+- 0.9; 4.9	20.0	+- 3.0
13	320	2.4	21.9	+- 0.7; 3.3	16.8	+- 0.7; 4.4	17.8	+- 2.0
14	320	1.7	21.8	+- 0.7; 3.3	16.7	+- 0.7; 4.3	17.8	+- 1.6
15	333	1.2	22.3	+- 0.7; 3.4	17.2	+- 0.7; 4.4	18.3	+- 1.5
16	30	1.9	25.0	+- 0.8; 3.8	19.8	+- 0.8; 4.7	20.7	+- 2.0
17	8	1.3	20.2	+- 0.6; 3.0	15.1	+- 0.7; 4.2	15.6	+- 1.4
18	39	2.0	26.3	+- 0.8; 4.0	21.1	+- 0.8; 4.8	21.6	+- 1.4
19	55	2.9	23.8	+- 0.7; 3.6	18.6	+- 0.8; 4.6	18.3	+- 1.6
20	77	4.1	24.8	+- 0.7; 3.7	19.5	+- 0.8; 4.7	20.2	+- 1.6
21	87	4.7	25.3	+- 0.8; 3.8	20.0	+- 0.8; 4.7	20.3	+- 1.5
22	25	3.4	27.3	+- 0.8; 4.1	22.0	+- 0.9; 5.0	21.9	+- 1.9
23	357	3.5	25.3	+- 0.8; 3.8	20.0	+- 0.8; 4.7	20.4	+- 2.3
24	25	0.4	22.8	+- 0.7; 3.4	17.7	+- 0.8; 4.5	18.1	+- 1.5
25	81	0.4	26.2	+- 0.8; 3.9	20.9	+- 0.8; 4.8	17.6	+- 2.2
26	126	2.1	20.5	+- 0.6; 3.1	15.4	+- 0.7; 4.2	15.2	+- 1.6
27	130	8.6	18.7	+- 0.6; 2.8	13.7	+- 0.6; 4.0	15.3	+- 1.9
28	99	8.9	19.3	+- 0.6; 2.9	14.3	+- 0.7; 4.1	15.6	+- 2.1
29	135	11.0	21.1	+- 0.6; 3.2	16.0	+- 0.7; 4.3	15.9	+- 2.1
30	126	2.0	16.7	+- 0.5; 2.5	11.7	+- 0.6; 3.8	12.6	+- 1.8
31	128	3.7	20.2	+- 0.6; 3.0	15.1	+- 0.7; 4.2	14.4	+- 1.6
32	140	22.0	23.1	+- 0.7; 3.5	17.9	+- 0.8; 4.5	18.7	+- 2.3
33	120	26.0	19.5	+- 0.6; 2.9	14.5	+- 0.7; 4.1	15.3	+- 1.6

Transit Dose = 4.6 +- 0.4; 3.1



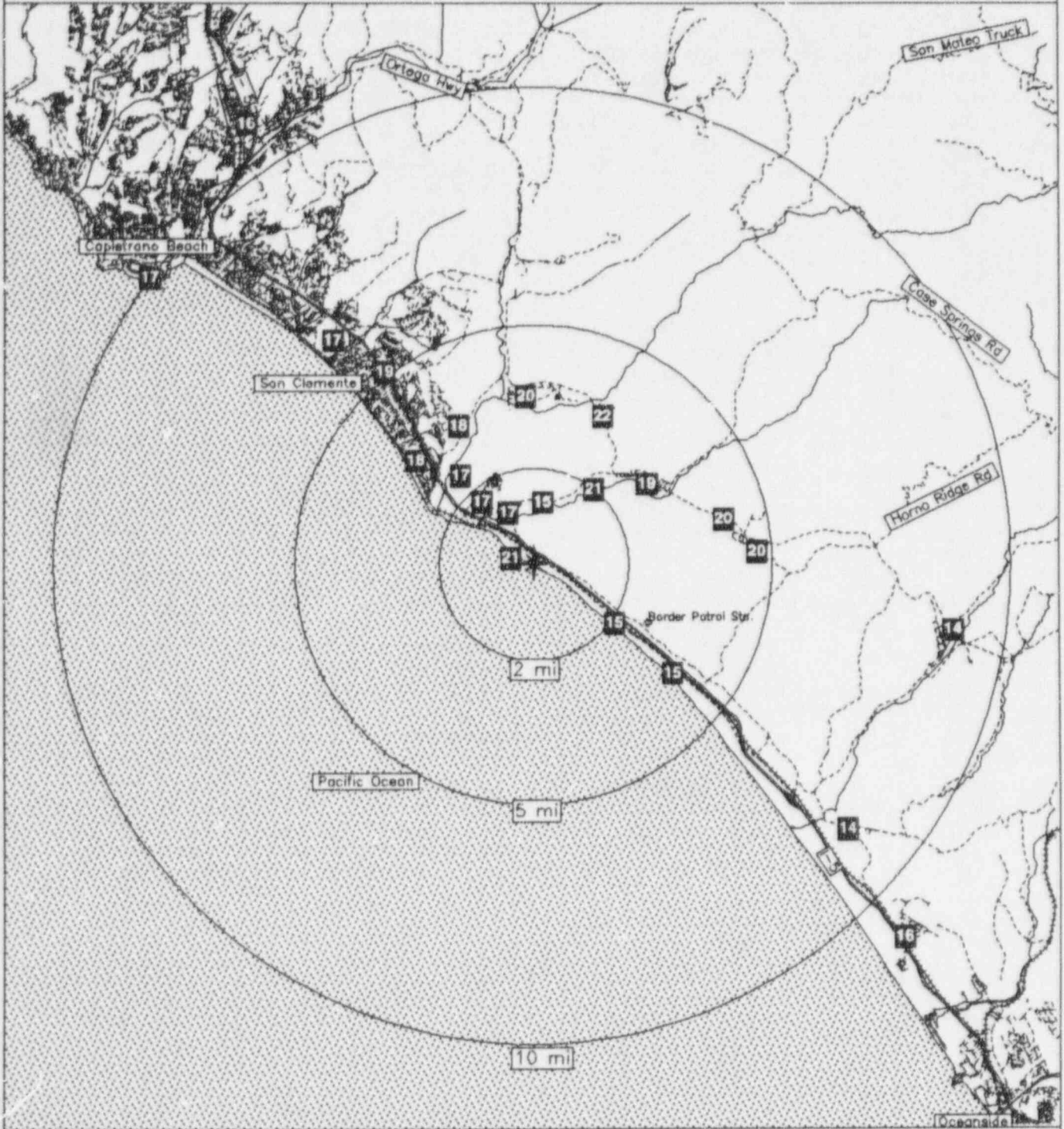
SAN ONOFRE  
For the period 950312-950727

TLD Direct Radiation Environmental Monitoring

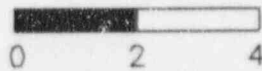
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	17.5 +- 3.5	2
11.26 - 33.75 NNE	19.8 +- 2.2	3
33.76 - 56.25 NE	19.8 +- 1.7	2
56.26 - 78.75 ENE	19.5 +- 0.0	1
78.76 - 101.25 E	18.4 +- 3.6	3
101.26 - 123.75 ESE	14.5 +- 0.0	1
123.76 - 146.25 SE	15.0 +- 2.1	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	21.4 +- 0.0	1
303.76 - 326.25 NW	17.6 +- 0.8	7
326.26 - 348.75 NNW	17.0 +- 1.0	3

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	17.9 +- 3.2	9
2 - 5	18.3 +- 2.2	10
> 5	16.4 +- 1.8	10
Upwind Control	23.2 +- 0.2	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 950315-950711 119 Days

Field Time: 84 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	20.3	+ 0.6; 3.0	20.1	+ 0.7; 4.3	17.3	+ 2.6
2	178	0.7	18.8	+ 0.6; 2.8	18.5	+ 0.7; 4.1	16.7	+ 2.3
3	207	0.7	18.7	+ 0.6; 2.8	18.4	+ 0.7; 4.1	16.1	+ 2.6
4	224	0.9	19.5	+ 0.6; 2.9	19.2	+ 0.7; 4.2	17.5	+ 2.8
5	243	1.2	19.0	+ 0.6; 2.9	18.7	+ 0.7; 4.1	16.0	+ 2.8
6	294	1.0	18.8	+ 0.6; 2.8	18.5	+ 0.7; 4.1	16.9	+ 2.4
7	267	0.7	18.2	+ 0.5; 2.7	17.8	+ 0.6; 4.0	16.5	+ 2.4
8	320	1.1	19.2	+ 0.6; 2.9	18.9	+ 0.7; 4.1	17.5	+ 2.8
9	329	1.6	22.3	+ 0.7; 3.3	22.3	+ 0.8; 4.5	19.2	+ 3.0
10	357	1.9	19.1	+ 0.6; 2.9	18.8	+ 0.7; 4.1	16.5	+ 2.5
11	18	2.0	18.4	+ 0.6; 2.8	18.1	+ 0.7; 4.0	17.1	+ 2.6
12	46	1.9	18.2	+ 0.5; 2.7	17.9	+ 0.6; 4.0	16.0	+ 2.2
13	83	1.7	19.3	+ 0.6; 2.9	19.1	+ 0.7; 4.1	16.9	+ 2.5
14	43	4.1	20.6	+ 0.6; 3.1	20.4	+ 0.7; 4.3	17.7	+ 2.6
15	358	4.2	20.2	+ 0.6; 3.0	20.0	+ 0.7; 4.2	17.5	+ 2.5
16	18	11.8	20.7	+ 0.6; 3.1	20.5	+ 0.7; 4.3	17.8	+ 2.6
17	321	7.4	21.5	+ 0.6; 3.2	21.4	+ 0.7; 4.4	18.7	+ 2.9
18	291	3.9	20.0	+ 0.6; 3.0	19.8	+ 0.7; 4.2	17.6	+ 2.3
19	267	3.7	19.7	+ 0.6; 2.9	19.4	+ 0.7; 4.2	16.9	+ 2.4
20	251	4.2	23.0	+ 0.7; 3.4	23.0	+ 0.8; 4.6	18.8	+ 3.0
21	228	4.7	18.3	+ 0.5; 2.7	18.0	+ 0.6; 4.0	16.6	+ 2.7
22	209	6.2	20.8	+ 0.6; 3.1	20.7	+ 0.7; 4.3	19.2	+ 2.6
23	187	6.5	20.9	+ 0.6; 3.1	20.8	+ 0.7; 4.3	19.0	+ 2.8
24	163	7.1	18.7	+ 0.6; 2.8	18.4	+ 0.7; 4.1	15.5	+ 2.4
25	174	4.0	18.0	+ 0.5; 2.7	17.6	+ 0.6; 4.0	16.0	+ 3.0
26	157	4.0	19.6	+ 0.6; 2.9	19.4	+ 0.7; 4.2	16.4	+ 2.7
27	136	2.4	19.6	+ 0.6; 2.9	19.4	+ 0.7; 4.2	16.9	+ 2.8
28	118	1.6	18.9	+ 0.6; 2.8	18.6	+ 0.7; 4.1	16.0	+ 2.3
30	67	2.1	20.8	+ 0.6; 3.1	20.6	+ 0.7; 4.3	18.2	+ 2.8
31	335	5.5	21.0	+ 0.6; 3.2	20.9	+ 0.7; 4.4	17.9	+ 2.6
32	318	3.2	20.0	+ 0.6; 3.0	19.7	+ 0.7; 4.2	18.6	+ 2.9
33	230	19.3	20.5	+ 0.6; 3.1	20.3	+ 0.7; 4.3	17.3	+ 3.4
34	230	19.3	20.5	+ 0.6; 3.1	20.4	+ 0.7; 4.3	17.8	+ 3.1
35	230	19.3	20.6	+ 0.6; 3.1	20.4	+ 0.7; 4.3	19.1	+ 3.7

Transit Dose = 1.5 +- 0.3; 2.6

## SEABROOK

For the period 950315-950711

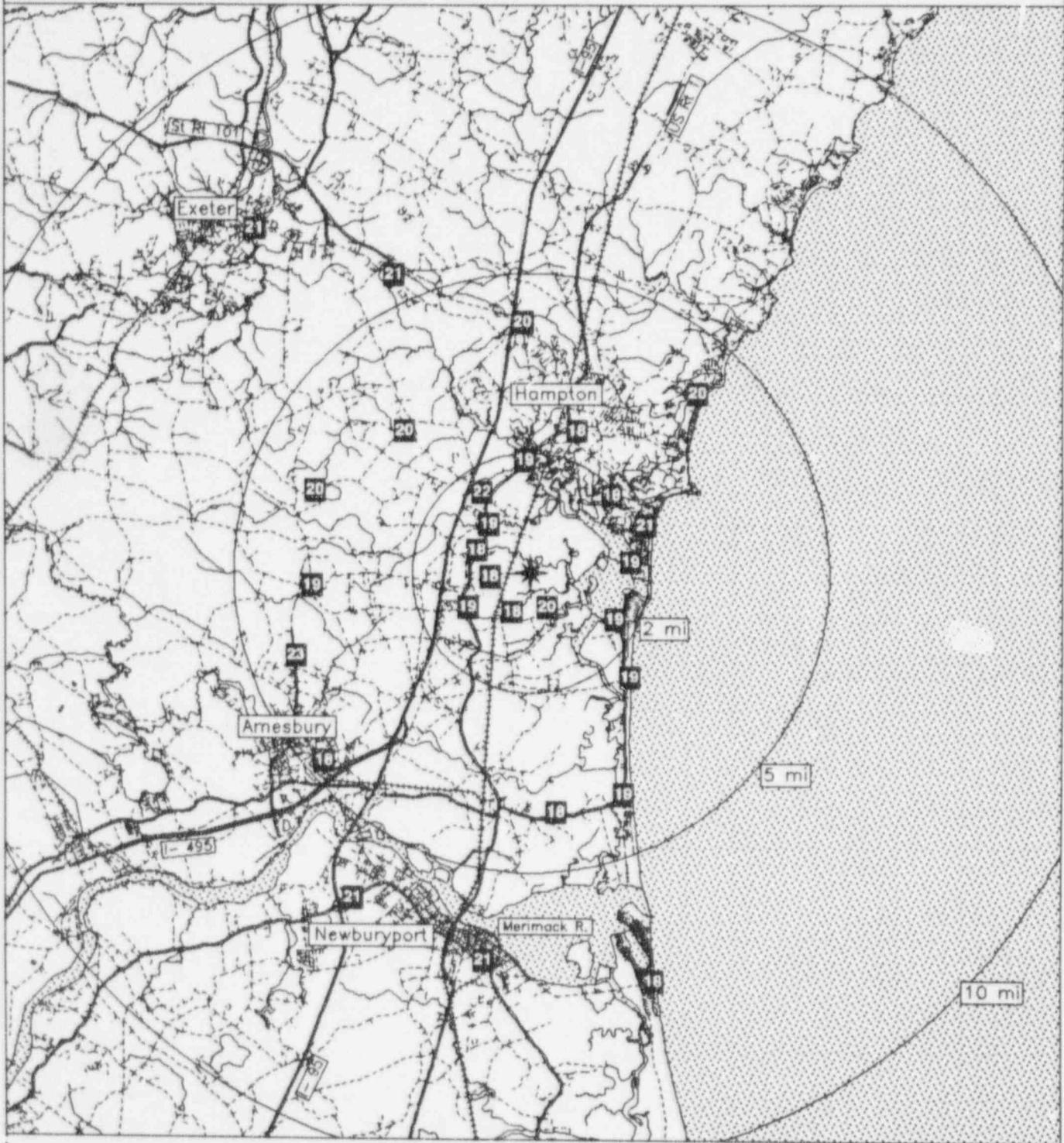
## TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	19.4 +- 0.8	2
11.26 - 33.75 NNE	19.3 +- 1.7	2
33.76 - 56.25 NE	19.2 +- 1.8	2
56.26 - 78.75 ENE	20.6 +- 0.0	1
78.76 - 101.25 E	19.1 +- 0.0	1
101.26 - 123.75 ESE	18.6 +- 0.0	1
123.76 - 146.25 SE	19.4 +- 0.0	1
146.26 - 168.75 SSE	19.3 +- 0.9	3
168.76 - 191.25 S	19.0 +- 1.6	3
191.26 - 213.75 SSW	19.5 +- 1.6	2
213.76 - 236.25 SW	19.2 +- 1.2	3
236.26 - 258.75 WSW	20.8 +- 3.0	2
258.76 - 281.25 W	18.6 +- 1.1	2
281.26 - 303.75 WNW	19.2 +- 0.9	2
303.76 - 326.25 NW	20.2 +- 1.8	2
326.26 - 348.75 NNW	21.6 +- 1.0	2

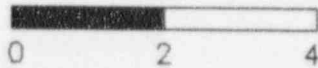
Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	19.0 +- 1.1	13
2 - 5	19.6 +- 1.5	11
> 5	20.4 +- 1.0	7
Upwind Control	20.1 +- 0.3	3



# NRC TLD DOSES FOR SEABROOK AREA



Miles



## Legend

Water

Highways

Railroads

Roads

Plant..site

## SEQUOYAH

TLD Direct Radiation Environmental Monitoring

For the period 950313-950711 121 Days

Field Time: 89 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)		Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	218	12.0	18.8 +- 0.6; 2.8	19.0 +- 0.6; 3.8	16.8 +- 1.5
2	206	13.0	16.1 +- 0.5; 2.4	16.3 +- 0.5; 3.5	14.3 +- 1.4
3	203	3.9	22.3 +- 0.7; 3.3	22.5 +- 0.7; 4.2	20.0 +- 1.6
4	199	2.0	20.2 +- 0.6; 3.0	20.4 +- 0.6; 4.0	16.6 +- 1.6
5	181	1.4	22.3 +- 0.7; 3.3	22.6 +- 0.7; 4.2	21.0 +- 1.6
6	153	1.5	17.7 +- 0.5; 2.7	17.9 +- 0.6; 3.7	15.5 +- 1.3
7	139	1.9	16.8 +- 0.5; 2.5	17.0 +- 0.5; 3.6	14.6 +- 1.3
8	115	1.8	17.0 +- 0.5; 2.6	17.2 +- 0.5; 3.6	16.0 +- 1.9
9	84	1.6	16.3 +- 0.5; 2.4	16.5 +- 0.5; 3.6	13.7 +- 1.5
10	66	1.3	18.0 +- 0.5; 2.7	18.2 +- 0.6; 3.7	15.5 +- 1.5
11	45	1.5	19.0 +- 0.6; 2.8	19.2 +- 0.6; 3.9	16.6 +- 1.6
12	14	2.0	20.8 +- 0.6; 3.1	21.0 +- 0.7; 4.1	18.6 +- 1.3
13	2	2.1	20.9 +- 0.6; 3.1	21.1 +- 0.7; 4.1	18.8 +- 1.6
14	19	3.9	18.4 +- 0.6; 2.8	18.6 +- 0.6; 3.8	15.8 +- 1.4
15	48	4.0	14.9 +- 0.4; 2.2	15.1 +- 0.5; 3.4	13.6 +- 1.4
16	65	4.9	17.7 +- 0.5; 2.7	17.9 +- 0.6; 3.7	15.7 +- 1.1
17	90	3.9	17.4 +- 0.5; 2.6	17.6 +- 0.6; 3.7	17.2 +- 1.8
18	111	3.4	16.9 +- 0.5; 2.5	17.1 +- 0.5; 3.6	16.1 +- 1.7
19	135	3.4	18.7 +- 0.6; 2.8	18.9 +- 0.6; 3.8	16.0 +- 1.2
20	158	3.4	Missing Dosimeter	No Net Data	14.3 +- 2.0
21	184	4.6	22.1 +- 0.7; 3.3	22.4 +- 0.7; 4.2	18.4 +- 2.5
22	233	11.0	16.1 +- 0.5; 2.4	16.3 +- 0.5; 3.5	14.3 +- 1.5
23	219	4.9	19.5 +- 0.6; 2.9	19.7 +- 0.6; 3.9	17.7 +- 1.6
24	241	4.3	17.7 +- 0.5; 2.6	17.8 +- 0.6; 3.7	15.5 +- 1.4
25	235	2.0	14.5 +- 0.4; 2.2	14.6 +- 0.5; 3.4	13.2 +- 1.2
26	248	1.5	16.6 +- 0.5; 2.5	16.8 +- 0.5; 3.6	15.4 +- 2.1
27	266	1.2	16.9 +- 0.5; 2.5	17.1 +- 0.5; 3.6	14.6 +- 1.3
28	291	1.2	17.1 +- 0.5; 2.6	17.3 +- 0.6; 3.6	15.6 +- 1.6
29	309	1.2	18.9 +- 0.6; 2.8	19.1 +- 0.6; 3.8	15.9 +- 1.6
30	330	0.5	18.8 +- 0.6; 2.8	19.0 +- 0.6; 3.8	16.7 +- 1.5
31	339	1.8	19.0 +- 0.6; 2.8	19.2 +- 0.6; 3.9	16.8 +- 1.4
32	355	4.9	15.6 +- 0.5; 2.3	15.7 +- 0.5; 3.5	14.7 +- 1.3
33	334	3.6	16.5 +- 0.5; 2.5	16.7 +- 0.5; 3.6	14.6 +- 1.6
34	317	4.4	18.7 +- 0.6; 2.8	18.9 +- 0.6; 3.8	15.2 +- 1.8
35	277	5.6	18.6 +- 0.6; 2.8	18.8 +- 0.6; 3.8	16.3 +- 1.5
36	283	3.6	15.5 +- 0.5; 2.3	15.7 +- 0.5; 3.5	14.3 +- 1.3
37	273	4.4	17.2 +- 0.5; 2.6	17.4 +- 0.6; 3.7	15.1 +- 1.6
38	302	19.0	17.4 +- 0.5; 2.6	17.6 +- 0.6; 3.7	15.2 +- 1.4
39	290	18.0	18.8 +- 0.6; 2.8	19.0 +- 0.6; 3.8	16.3 +- 1.3
40	289	18.0	16.9 +- 0.5; 2.5	17.1 +- 0.5; 3.6	14.8 +- 1.4
41	318	6.1	18.5 +- 0.6; 2.8	18.7 +- 0.6; 3.8	15.7 +- 1.3

Transit Dose = 0.0 +- 0.2; 2.5

## SEQUOYAH

For the period 950313-950711

## TLD Direct Radiation Environmental Monitoring

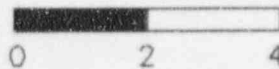
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	18.4 +- 3.8	2
11.26 - 33.75 NNE	19.8 +- 1.7	2
33.76 - 56.25 NE	17.1 +- 2.9	2
56.26 - 78.75 ENE	18.1 +- 0.2	2
78.76 - 101.25 E	17.0 +- 0.7	2
101.26 - 123.75 ESE	17.2 +- 0.1	2
123.76 - 146.25 SE	17.9 +- 1.4	2
146.26 - 168.75 SSE	17.9 +- 0.0	1
168.76 - 191.25 S	22.5 +- 0.1	2
191.26 - 213.75 SSW	19.7 +- 3.2	3
213.76 - 236.25 SW	17.4 +- 2.4	4
236.26 - 258.75 WSW	17.3 +- 0.8	2
258.76 - 281.25 W	17.8 +- 0.9	3
281.26 - 303.75 WNW	16.5 +- 1.1	2
303.76 - 326.25 NW	18.9 +- 0.2	3
326.26 - 348.75 NNW	18.3 +- 1.4	3

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	18.3 +- 2.0	16
2 - 5	18.3 +- 2.2	16
> 5	17.8 +- 1.4	5
Upwind Control	17.9 +- 1.0	3

# NRC TLD DOSES FOR SEQUOYAH AREA



Miles



## Legend



Water

--- Railroads



Plant..site

— Highways

--- Roads



## SHOREHAM

TLD Direct Radiation Environmental Monitoring

For the period 950315-950725 133 Days

Field Time: 93 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)	Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	262 10.0	17.6 +- 0.5; 2.6	12.9 +- 0.6; 3.9	13.6 +- 1.2
2	268 4.4	17.4 +- 0.5; 2.6	12.7 +- 0.6; 3.9	14.5 +- 1.1
3	256 3.2	Missing Dosimeter	No Net Data	13.7 +- 1.5
4	268 2.1	18.9 +- 0.6; 2.8	14.2 +- 0.7; 4.0	14.8 +- 0.9
5	243 1.7	18.0 +- 0.5; 2.7	13.3 +- 0.6; 3.9	14.5 +- 1.2
7	136 1.5	19.9 +- 0.6; 3.0	15.2 +- 0.7; 4.1	15.3 +- 2.4
8	116 0.9	21.7 +- 0.7; 3.3	16.9 +- 0.7; 4.3	17.2 +- 1.2
9	91 0.8	18.2 +- 0.5; 2.7	13.5 +- 0.6; 4.0	13.9 +- 1.0
10	73 0.7	16.4 +- 0.5; 2.5	11.7 +- 0.6; 3.8	13.1 +- 1.1
11	62 0.7	15.5 +- 0.5; 2.3	10.9 +- 0.6; 3.7	12.6 +- 1.1
12	75 1.6	17.9 +- 0.5; 2.7	13.2 +- 0.6; 3.9	13.8 +- 1.0
13	88 2.1	18.9 +- 0.6; 2.8	14.2 +- 0.6; 4.0	14.6 +- 1.2
14	119 4.6	17.3 +- 0.5; 2.6	12.6 +- 0.6; 3.9	13.4 +- 1.1
15	110 10.0	17.1 +- 0.5; 2.6	12.5 +- 0.6; 3.9	14.5 +- 1.4
16	138 14.0	17.2 +- 0.5; 2.6	12.5 +- 0.6; 3.9	13.5 +- 1.2
17	162 12.0	16.9 +- 0.5; 2.5	12.2 +- 0.6; 3.8	13.7 +- 2.1
18	174 11.0	16.8 +- 0.5; 2.5	12.1 +- 0.6; 3.8	14.1 +- 1.5
19	189 5.1	19.9 +- 0.6; 3.0	15.1 +- 0.7; 4.1	14.0 +- 1.2
21	163 2.5	16.5 +- 0.5; 2.5	11.8 +- 0.6; 3.8	13.6 +- 1.3
22	149 1.5	18.6 +- 0.6; 2.8	13.9 +- 0.6; 4.0	14.8 +- 1.5
23	177 1.3	17.0 +- 0.5; 2.5	12.3 +- 0.6; 3.8	14.2 +- 1.4
24	196 1.2	17.7 +- 0.5; 2.7	13.0 +- 0.6; 3.9	13.7 +- 1.0
25	217 1.5	16.7 +- 0.5; 2.5	12.0 +- 0.6; 3.8	13.3 +- 1.6
26	215 4.6	16.3 +- 0.5; 2.4	11.6 +- 0.6; 3.8	12.4 +- 1.0
27	205 4.2	17.1 +- 0.5; 2.6	12.4 +- 0.6; 3.9	13.9 +- 1.1
28	233 11.0	17.6 +- 0.5; 2.6	12.9 +- 0.6; 3.9	13.4 +- 1.0
29	224 13.0	16.1 +- 0.5; 2.4	11.4 +- 0.6; 3.8	12.7 +- 1.2
30	202 14.0	16.7 +- 0.5; 2.5	12.1 +- 0.6; 3.8	13.9 +- 1.0
31	210 15.0	17.0 +- 0.5; 2.5	12.3 +- 0.6; 3.8	13.0 +- 1.1
32	210 15.0	16.5 +- 0.5; 2.5	11.8 +- 0.6; 3.8	13.7 +- 1.4
33	210 15.0	16.6 +- 0.5; 2.5	11.9 +- 0.6; 3.8	12.9 +- 1.2
34	27 0.2	15.1 +- 0.5; 2.3	10.4 +- 0.6; 3.7	12.7 +- 2.2
35	50 0.3	18.2 +- 0.5; 2.7	13.5 +- 0.6; 4.0	15.2 +- 1.2
36	133 3.9	18.4 +- 0.6; 2.8	13.7 +- 0.6; 4.0	14.7 +- 1.2

Transit Dose = 4.3 +- 0.4; 3.0

## SHOREHAM

For the period 950315-950725

## TLD Direct Radiation Environmental Monitoring

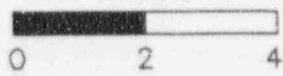
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	No Data +- No Data	0
11.26 - 33.75 NNE	10.4 +- 0.0	1
33.76 - 56.25 NE	13.5 +- 0.0	1
56.26 - 78.75 ENE	11.9 +- 1.2	3
78.76 - 101.25 E	13.8 +- 0.5	2
101.26 - 123.75 ESE	14.0 +- 2.5	3
123.76 - 146.25 SE	13.8 +- 1.3	3
146.26 - 168.75 SSE	12.6 +- 1.1	3
168.76 - 191.25 S	13.2 +- 1.7	3
191.26 - 213.75 SSW	12.5 +- 0.5	3
213.76 - 236.25 SW	12.0 +- 0.7	4
236.26 - 258.75 WSW	13.3 +- 0.0	1
258.76 - 281.25 W	13.3 +- 0.8	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	13.1 +- 1.7	13
2 - 5	12.9 +- 1.0	8
> 5	12.6 +- 1.0	9
Upwind Control	12.0 +- 0.3	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 950312-950801 143 Days  
 Field Time: 94 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	90	1.0	22.1	+ - 0.7; 3.3	17.2	+ - 0.7; 4.3	16.0	+ - 1.9
2	63	1.0	22.0	+ - 0.7; 3.3	17.0	+ - 0.7; 4.3	16.9	+ - 1.5
3	40	1.0	20.9	+ - 0.6; 3.1	16.0	+ - 0.7; 4.2	17.4	+ - 1.4
4	19	1.0	20.9	+ - 0.6; 3.1	16.0	+ - 0.7; 4.2	16.3	+ - 1.3
5	4	0.9	21.8	+ - 0.7; 3.3	16.8	+ - 0.7; 4.3	16.3	+ - 1.3
6	339	0.9	21.1	+ - 0.6; 3.2	16.2	+ - 0.7; 4.2	16.6	+ - 1.3
7	318	1.0	20.6	+ - 0.6; 3.1	15.7	+ - 0.7; 4.2	15.9	+ - 1.1
8	294	1.1	24.3	+ - 0.7; 3.7	19.3	+ - 0.8; 4.6	18.8	+ - 1.5
9	267	1.3	25.3	+ - 0.8; 3.8	20.2	+ - 0.8; 4.7	19.0	+ - 1.4
10	126	0.3	20.6	+ - 0.6; 3.1	15.7	+ - 0.7; 4.2	15.0	+ - 1.3
11	180	0.1	20.8	+ - 0.6; 3.1	15.9	+ - 0.7; 4.2	15.6	+ - 1.9
12	257	0.5	19.1	+ - 0.6; 2.9	14.2	+ - 0.6; 4.0	14.5	+ - 1.4
13	262	0.9	19.8	+ - 0.6; 3.0	15.0	+ - 0.7; 4.1	14.5	+ - 1.4
14	250	1.3	20.0	+ - 0.6; 3.0	15.1	+ - 0.7; 4.1	15.1	+ - 1.4
15	227	2.4	19.4	+ - 0.6; 2.9	14.6	+ - 0.7; 4.0	13.9	+ - 1.4
16	210	3.7	18.8	+ - 0.6; 2.8	14.0	+ - 0.6; 4.0	13.5	+ - 1.4
17	175	3.6	18.1	+ - 0.5; 2.7	13.3	+ - 0.6; 3.9	13.7	+ - 1.2
18	158	3.7	19.7	+ - 0.6; 3.0	14.8	+ - 0.7; 4.1	13.9	+ - 1.5
19	143	3.3	17.8	+ - 0.5; 2.7	13.0	+ - 0.6; 3.9	13.4	+ - 1.2
20	122	2.3	19.2	+ - 0.6; 2.9	14.3	+ - 0.6; 4.0	14.9	+ - 1.3
21	121	1.1	19.8	+ - 0.6; 3.0	15.0	+ - 0.7; 4.1	14.8	+ - 1.4
22	257	2.5	22.4	+ - 0.7; 3.4	17.5	+ - 0.7; 4.3	16.3	+ - 1.5
23	262	4.5	24.0	+ - 0.7; 3.6	18.9	+ - 0.8; 4.5	18.5	+ - 1.7
24	282	4.7	20.7	+ - 0.6; 3.1	15.8	+ - 0.7; 4.2	16.3	+ - 1.4
25	304	5.8	20.3	+ - 0.6; 3.0	15.4	+ - 0.7; 4.1	14.9	+ - 1.6
26	242	5.4	21.4	+ - 0.6; 3.2	16.5	+ - 0.7; 4.2	16.1	+ - 1.5
27	223	5.0	21.8	+ - 0.7; 3.3	16.9	+ - 0.7; 4.3	16.0	+ - 1.4
28	236	9.6	19.2	+ - 0.6; 2.9	14.3	+ - 0.6; 4.0	14.1	+ - 1.4
29	259	10.0	21.5	+ - 0.6; 3.2	16.6	+ - 0.7; 4.3	15.4	+ - 1.5
30	291	6.2	20.4	+ - 0.6; 3.1	15.5	+ - 0.7; 4.1	16.4	+ - 1.5
31	323	7.8	22.3	+ - 0.7; 3.4	17.4	+ - 0.7; 4.3	17.6	+ - 3.9
32	335	7.4	25.1	+ - 0.8; 3.9	20.0	+ - 0.8; 4.6	20.6	+ - 1.8
33	351	5.5	21.0	+ - 0.6; 3.1	16.1	+ - 0.7; 4.2	14.5	+ - 1.4
34	88	4.4	18.6	+ - 0.6; 2.8	13.8	+ - 0.6; 4.0	14.8	+ - 1.5
35	89	5.7	19.5	+ - 0.6; 2.9	14.7	+ - 0.7; 4.0	14.1	+ - 1.4
36	121	3.9	18.7	+ - 0.6; 2.8	13.8	+ - 0.6; 4.0	14.9	+ - 1.5
37	145	8.8	19.5	+ - 0.6; 2.9	14.7	+ - 0.7; 4.0	14.5	+ - 1.7
38	297	12.0	19.7	+ - 0.6; 3.0	14.8	+ - 0.7; 4.1	14.4	+ - 1.3
39	321	9.3	22.1	+ - 0.7; 3.3	17.1	+ - 0.7; 4.3	17.1	+ - 1.3
40	353	12.0	19.5	+ - 0.6; 2.9	14.5	+ - 0.7; 4.0	14.2	+ - 1.4
41	13	18.0	Missing Dosimeter		No Net Data		15.5	+ - 1.4
42	21	5.7	22.5	+ - 0.7; 3.4	17.7	+ - 0.7; 4.4	16.3	+ - 2.0
43	39	5.8	Missing Dosimeter		No Net Data		16.7	+ - 1.5
44	53	5.1	21.1	+ - 0.6; 3.2	16.2	+ - 0.7; 4.2	17.5	+ - 2.0
45	69	7.3	18.7	+ - 0.6; 2.8	13.9	+ - 0.6; 4.0	14.4	+ - 1.3
46	66	17.0	24.2	+ - 0.7; 3.6	19.1	+ - 0.8; 4.5	19.0	+ - 1.6

Transit Dose = 4.2 + - 0.4; 3.1



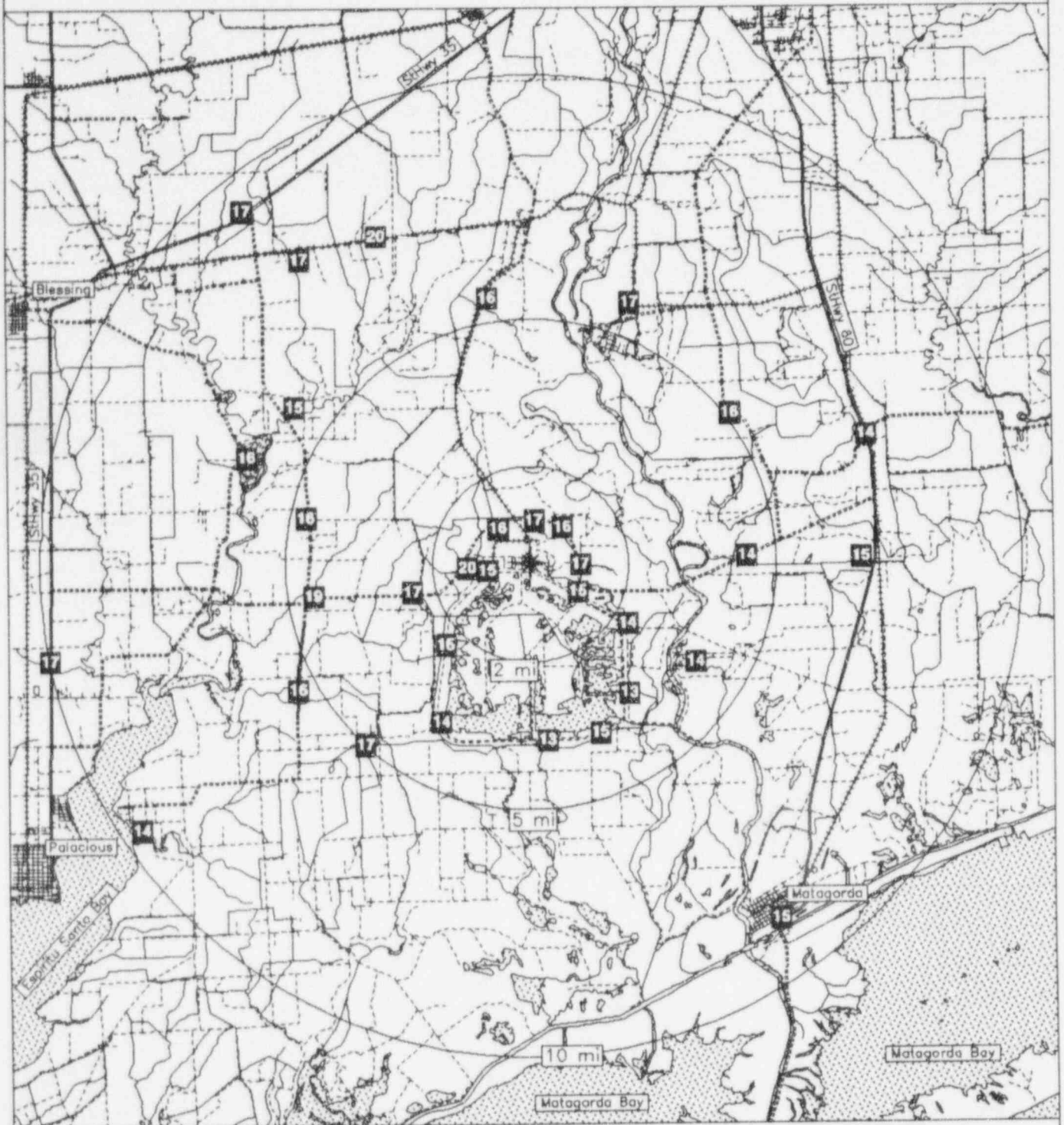
SOUTH TEXAS  
For the period 950312-950801

## TLD Direct Radiation Environmental Monitoring

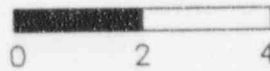
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	16.4 +- 0.5	2
11.26 - 33.75 NNE	16.7 +- 1.0	2
33.76 - 56.25 NE	16.1 +- 0.1	2
56.26 - 78.75 ENE	16.7 +- 2.6	3
78.76 - 101.25 E	15.2 +- 1.8	3
101.26 - 123.75 ESE	14.4 +- 0.6	3
123.76 - 146.25 SE	14.4 +- 1.3	3
146.26 - 168.75 SSE	14.8 +- 0.0	1
168.76 - 191.25 S	14.6 +- 1.9	2
191.26 - 213.75 SSW	14.0 +- 0.0	1
213.76 - 236.25 SW	15.3 +- 1.4	3
236.26 - 258.75 WSW	15.8 +- 1.4	4
258.76 - 281.25 W	17.7 +- 2.4	4
281.26 - 303.75 WNW	16.9 +- 2.1	3
303.76 - 326.25 NW	16.4 +- 1.0	4
326.26 - 348.75 NNW	18.1 +- 2.7	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	16.4 +- 1.6	15
2 - 5	15.1 +- 1.8	12
> 5	16.3 +- 1.7	15
Upwind Control	14.7 +- 0.1	2

# NRC TLD DOSES FOR SOUTH TEXAS AREA



Miles



### Legend



Water



Highways

--- Railroads

--- Roads



Plant site

## ST. LUCIE

TLD Direct Radiation Environmental Monitoring

For the period 950313-950713 123 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	14.0 +- 0.4; 2.1	13.4 +- 0.5; 3.3	13.7 +- 2.2
2	45	0.2	14.7 +- 0.4; 2.2	14.0 +- 0.5; 3.4	14.4 +- 2.4
3	67	0.2	13.9 +- 0.4; 2.1	13.3 +- 0.5; 3.3	15.7 +- 3.0
4	92	0.3	13.9 +- 0.4; 2.1	13.3 +- 0.5; 3.3	13.1 +- 2.3
5	115	0.4	14.0 +- 0.4; 2.1	13.4 +- 0.5; 3.3	12.6 +- 2.3
6	143	1.1	12.7 +- 0.4; 1.9	12.2 +- 0.4; 3.2	11.6 +- 2.2
7	150	2.0	12.1 +- 0.4; 1.8	11.6 +- 0.4; 3.1	11.3 +- 2.2
8	154	4.7	Missing Dosimeter	No Net Data	12.2 +- 2.4
9	152	23.0	12.7 +- 0.4; 1.9	12.1 +- 0.4; 3.2	12.6 +- 2.5
10	152	23.0	12.5 +- 0.4; 1.9	12.0 +- 0.4; 3.2	13.5 +- 4.4
11	152	23.0	13.8 +- 0.4; 2.1	13.2 +- 0.5; 3.3	14.4 +- 4.0
12	168	14.0	13.1 +- 0.4; 2.0	12.6 +- 0.4; 3.2	12.6 +- 2.2
13	185	10.0	12.7 +- 0.4; 1.9	12.1 +- 0.4; 3.2	12.8 +- 2.3
14	183	11.0	13.9 +- 0.4; 2.1	13.3 +- 0.5; 3.3	14.7 +- 2.3
15	170	8.0	12.4 +- 0.4; 1.9	11.9 +- 0.4; 3.2	12.4 +- 2.2
16	196	7.0	13.6 +- 0.4; 2.0	13.1 +- 0.4; 3.3	12.7 +- 2.2
17	229	7.9	14.2 +- 0.4; 2.1	13.6 +- 0.5; 3.3	15.2 +- 3.2
18	250	6.6	11.3 +- 0.3; 1.7	10.8 +- 0.4; 3.1	11.7 +- 2.3
19	247	4.8	12.4 +- 0.4; 1.9	11.8 +- 0.4; 3.2	12.3 +- 2.4
20	229	5.0	13.3 +- 0.4; 2.0	12.7 +- 0.4; 3.2	12.7 +- 2.2
21	208	3.8	13.0 +- 0.4; 1.9	12.4 +- 0.4; 3.2	12.2 +- 2.5
22	187	3.8	12.9 +- 0.4; 1.9	12.4 +- 0.4; 3.2	12.5 +- 2.4
23	203	2.6	12.6 +- 0.4; 1.9	12.0 +- 0.4; 3.2	12.8 +- 2.4
24	245	1.9	13.2 +- 0.4; 2.0	12.6 +- 0.4; 3.2	12.4 +- 2.4
25	280	2.2	12.6 +- 0.4; 1.9	12.0 +- 0.4; 3.2	12.9 +- 2.4
26	299	3.1	13.2 +- 0.4; 2.0	12.7 +- 0.4; 3.2	13.1 +- 2.3
27	305	3.8	12.4 +- 0.4; 1.9	11.9 +- 0.4; 3.2	12.6 +- 2.3
28	276	4.0	12.3 +- 0.4; 1.8	11.8 +- 0.4; 3.2	12.1 +- 2.2
29	293	5.8	13.0 +- 0.4; 1.9	12.4 +- 0.4; 3.2	12.5 +- 2.4
30	316	7.7	13.3 +- 0.4; 2.0	12.7 +- 0.4; 3.2	12.4 +- 2.4
32	300	11.0	13.6 +- 0.4; 2.0	13.0 +- 0.4; 3.3	13.3 +- 2.3
33	322	8.7	13.2 +- 0.4; 2.0	12.6 +- 0.4; 3.2	13.9 +- 2.3
34	339	8.8	13.2 +- 0.4; 2.0	12.6 +- 0.4; 3.2	13.0 +- 2.2
35	342	2.9	13.1 +- 0.4; 2.0	12.5 +- 0.4; 3.2	12.0 +- 2.1
36	346	1.9	13.5 +- 0.4; 2.0	12.9 +- 0.4; 3.3	13.5 +- 2.3
37	353	1.0	12.8 +- 0.4; 1.9	12.3 +- 0.4; 3.2	12.5 +- 2.6
38	226	2.0	11.4 +- 0.3; 1.7	10.9 +- 0.4; 3.1	12.8 +- 2.3

Transit Dose = 0.0 +- 0.2; 2.7

ST. LUCIE  
For the period 950313-950713

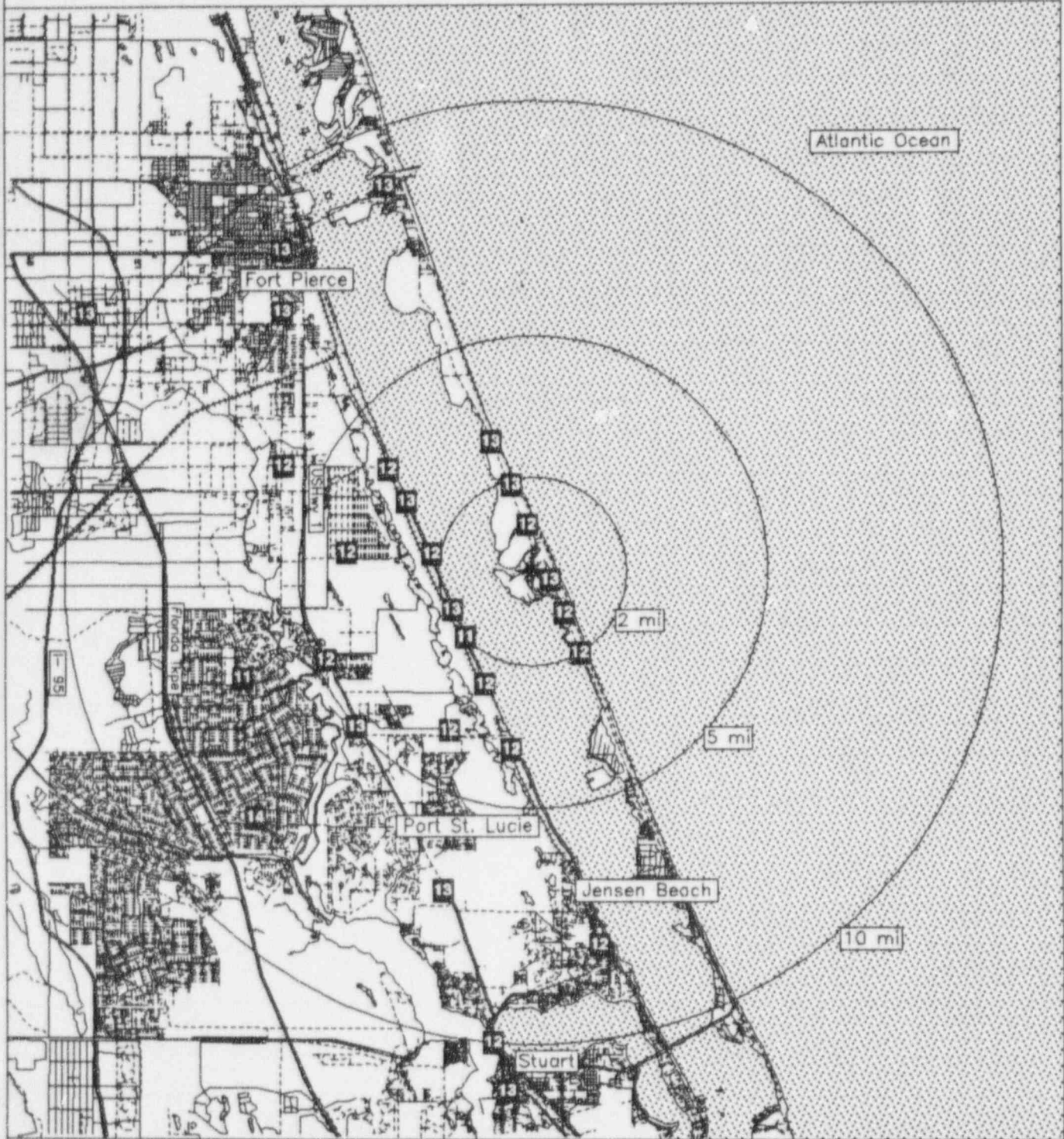
TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	12.3 +- 0.0	1
11.26 - 33.75 NNE	13.4 +- 0.0	1
33.76 - 56.25 NE	14.0 +- 0.0	1
56.26 - 78.75 ENE	13.3 +- 0.0	1
78.76 - 101.25 E	13.3 +- 0.0	1
101.26 - 123.75 ESE	13.4 +- 0.0	1
123.76 - 146.25 SE	12.2 +- 0.0	1
146.26 - 168.75 SSE	12.1 +- 0.7	2
168.76 - 191.25 S	12.4 +- 0.6	4
191.26 - 213.75 SSW	12.5 +- 0.5	3
213.76 - 236.25 SW	12.4 +- 1.4	3
236.26 - 258.75 WSW	11.7 +- 0.9	3
258.76 - 281.25 W	11.9 +- 0.2	2
281.26 - 303.75 WNW	12.7 +- 0.3	3
303.76 - 326.25 NW	12.4 +- 0.5	3
326.26 - 348.75 NNW	12.7 +- 0.2	3

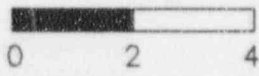
Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	12.7 +- 0.9	11
2 - 5	12.2 +- 0.4	10
> 5	12.6 +- 0.7	12
Upwind Control	12.4 +- 0.7	3



# NRC TLD DOSES FOR ST. LUCIE AREA



Miles



### Legend



Water



Highways

--- Railroads

--- Roads



Plant..site

## SUMMER

TLD Direct Radiation Environmental Monitoring

For the period 950313-950713 123 Days

Field Time: 99 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)	Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	199 3.7	24.7 +- 0.7; 3.7	18.3 +- 0.8; 4.5	20.8 +- 2.1
2	111 1.0	24.0 +- 0.7; 3.6	17.7 +- 0.7; 4.4	19.3 +- 2.0
3	340 4.1	26.2 +- 0.8; 3.9	19.7 +- 0.8; 4.6	22.2 +- 2.5
4	192 9.3	26.6 +- 0.8; 4.0	20.0 +- 0.8; 4.7	20.8 +- 1.1
5	72 1.8	26.2 +- 0.8; 3.9	19.7 +- 0.8; 4.6	22.0 +- 2.1
6	54 1.5	28.5 +- 0.9; 4.3	21.8 +- 0.9; 4.9	21.7 +- 1.4
7	46 3.0	32.6 +- 1.0; 4.9	25.5 +- 1.0; 5.3	26.3 +- 2.4
8	31 3.0	35.8 +- 1.1; 5.4	28.4 +- 1.0; 5.7	27.7 +- 2.3
9	13 3.9	33.2 +- 1.0; 5.0	26.0 +- 1.0; 5.4	26.7 +- 1.7
10	7 4.0	33.3 +- 1.0; 5.0	26.1 +- 1.0; 5.4	25.8 +- 1.3
11	349 4.3	32.0 +- 1.0; 4.8	24.9 +- 0.9; 5.3	22.1 +- 2.8
12	323 5.0	26.9 +- 0.8; 4.0	20.3 +- 0.8; 4.7	24.0 +- 2.3
13	333 3.0	32.4 +- 1.0; 4.9	25.3 +- 0.9; 5.3	24.6 +- 1.5
14	255 2.8	25.2 +- 0.8; 3.8	18.8 +- 0.8; 4.5	18.8 +- 2.6
15	308 5.6	Missing Dosimeter	No Net Data	25.3 +- 1.6
16	64 3.5	34.8 +- 1.0; 5.2	27.4 +- 1.0; 5.6	26.6 +- 2.8
17	98 3.1	28.7 +- 0.9; 4.3	21.9 +- 0.9; 4.9	22.8 +- 1.5
18	114 3.5	30.2 +- 0.9; 4.5	23.3 +- 0.9; 5.1	22.6 +- 1.3
19	132 2.0	26.8 +- 0.8; 4.0	20.2 +- 0.8; 4.7	20.5 +- 1.2
20	152 4.5	18.5 +- 0.6; 2.8	12.6 +- 0.6; 3.9	13.9 +- 2.3
21	133 4.1	22.8 +- 0.7; 3.4	16.5 +- 0.7; 4.3	15.5 +- 0.9
22	157 2.4	25.0 +- 0.7; 3.7	18.5 +- 0.8; 4.5	17.6 +- 1.4
23	173 2.4	Missing Dosimeter	No Net Data	19.8 +- 1.5
24	185 3.9	26.7 +- 0.8; 4.0	20.1 +- 0.8; 4.7	18.8 +- 1.4
25	210 3.3	24.7 +- 0.7; 3.7	18.3 +- 0.8; 4.5	18.8 +- 1.0
26	217 3.3	23.4 +- 0.7; 3.5	17.1 +- 0.7; 4.3	17.1 +- 1.3
27	231 3.1	19.5 +- 0.6; 2.9	13.6 +- 0.6; 4.0	14.8 +- 1.6
28	267 2.7	27.7 +- 0.8; 4.2	21.1 +- 0.8; 4.8	21.8 +- 1.4
29	276 3.4	30.8 +- 0.9; 4.6	23.9 +- 0.9; 5.1	23.2 +- 1.3
30	293 3.8	Missing Dosimeter	No Net Data	24.8 +- 3.8
31	244 3.6	Missing Dosimeter	No Net Data	20.2 +- 3.3
32	247 6.2	28.8 +- 0.9; 4.3	22.0 +- 0.9; 4.9	23.2 +- 1.8
33	218 9.0	27.0 +- 0.8; 4.0	20.4 +- 0.8; 4.7	20.0 +- 1.2
34	192 9.3	23.1 +- 0.8; 4.2	21.4 +- 0.8; 4.8	20.2 +- 1.3
35	184 14.1	23.0 +- 0.7; 3.5	16.8 +- 0.7; 4.3	15.9 +- 1.0
36	183 14.6	18.8 +- 0.6; 2.8	13.0 +- 0.6; 3.9	14.3 +- 2.3
37	182 14.8	17.4 +- 0.5; 2.6	11.7 +- 0.6; 3.8	13.4 +- 2.5
38	148 20.8	25.7 +- 0.8; 3.8	19.2 +- 0.8; 4.6	20.6 +- 1.6
39	140 25.0	28.1 +- 0.8; 4.2	21.4 +- 0.8; 4.8	22.5 +- 2.2
40	135 23.1	23.4 +- 0.7; 3.5	17.2 +- 0.7; 4.3	19.5 +- 3.0

Transit Dose = 4.6 +- 0.4; 3.2

SUMMER

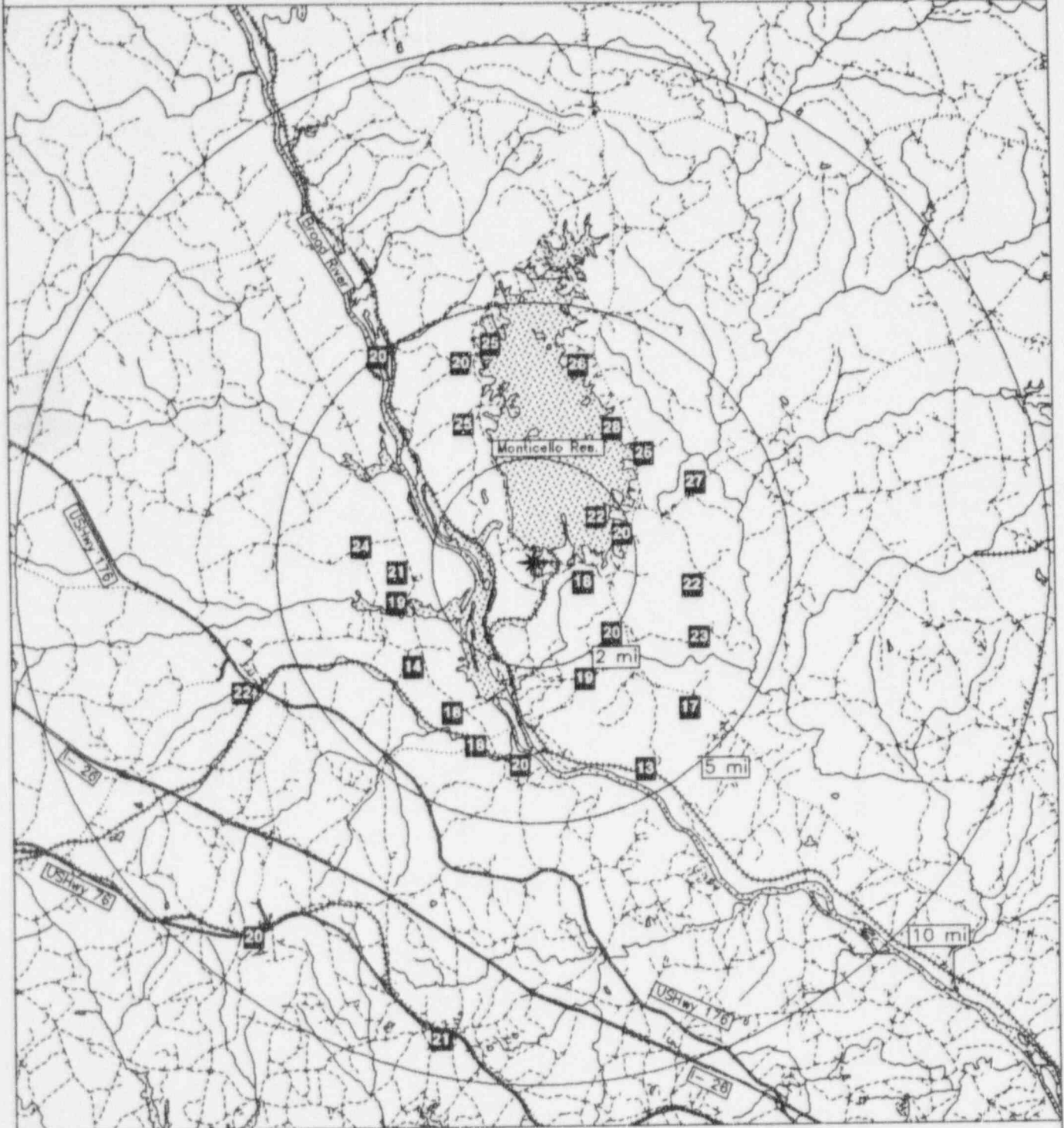
For the period 950313-950713

## TLD Direct Radiation Environmental Monitoring

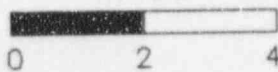
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	25.5 +- 0.8	2
11.26 - 33.75 NNE	27.2 +- 1.7	2
33.76 - 56.25 NE	23.6 +- 2.6	2
56.26 - 78.75 ENE	23.5 +- 5.5	2
78.76 - 101.25 E	21.9 +- 0.0	1
101.26 - 123.75 ESE	20.5 +- 4.0	2
123.76 - 146.25 SE	18.8 +- 2.3	4
146.26 - 168.75 SSE	16.8 +- 3.6	3
168.76 - 191.25 S	20.1 +- 0.0	1
191.26 - 213.75 SSW	19.5 +- 1.5	4
213.76 - 236.25 SW	17.0 +- 3.4	3
236.26 - 258.75 WSW	20.4 +- 2.3	2
258.76 - 281.25 W	22.5 +- 2.0	2
281.26 - 303.75 WNW	No Data +- No Data	0
303.76 - 326.25 NW	20.3 +- 0.0	1
326.26 - 348.75 NNW	22.5 +- 4.0	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	19.8 +- 1.7	4
2 - 5	21.3 +- 4.4	22
> 5	20.2 +- 1.7	7
Upwind Control	13.8 +- 2.6	3






# NRC TLD DOSES FOR SUMMER AREA



Miles



### Legend

-  Water
-  Highways
-  Railroads
-  Roads
-  Plant site



SURRY

TLD Direct Radiation Environmental Monitoring

For the period 950313-950725 135 Days

Field Time: 96 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	18	19.0	19.7 +- 0.6; 3.0	14.0 +- 0.7; 4.1	15.7 +- 1.1
2	129	17.0	19.6 +- 0.6; 2.9	13.9 +- 0.7; 4.1	17.0 +- 1.3
3	162	17.0	20.0 +- 0.6; 3.0	14.3 +- 0.7; 4.1	16.0 +- 1.4
4	162	17.0	19.3 +- 0.6; 2.9	13.6 +- 0.6; 4.0	13.4 +- 1.6
5	156	5.1	21.9 +- 0.7; 3.3	16.0 +- 0.7; 4.3	17.8 +- 1.3
6	189	4.1	19.1 +- 0.6; 2.9	13.4 +- 0.6; 4.0	14.7 +- 1.5
7	202	2.2	19.8 +- 0.6; 3.0	14.1 +- 0.7; 4.1	14.9 +- 1.5
8	183	1.6	23.1 +- 0.7; 3.5	17.2 +- 0.7; 4.4	17.3 +- 1.2
9	243	0.2	25.9 +- 0.8; 3.9	19.8 +- 0.8; 4.7	20.3 +- 1.4
10	269	0.1	25.6 +- 0.8; 3.8	19.5 +- 0.8; 4.7	22.9 +- 2.5
11	304	0.1	24.8 +- 0.7; 3.7	18.7 +- 0.8; 4.6	23.2 +- 3.5
12	334	0.2	26.4 +- 0.8; 4.0	20.3 +- 0.8; 4.8	23.2 +- 2.4
13	10	1.2	20.7 +- 0.6; 3.1	14.9 +- 0.7; 4.2	16.3 +- 1.4
14	21	2.0	20.4 +- 0.6; 3.1	14.7 +- 0.7; 4.1	16.7 +- 1.4
15	203	4.5	20.2 +- 0.6; 3.0	14.4 +- 0.7; 4.1	15.3 +- 1.4
16	224	3.7	18.7 +- 0.6; 2.8	13.1 +- 0.6; 4.0	14.0 +- 1.2
17	212	2.0	21.8 +- 0.7; 3.3	16.0 +- 0.7; 4.3	17.2 +- 1.4
18	248	5.1	20.1 +- 0.6; 3.0	14.3 +- 0.7; 4.1	14.8 +- 1.5
19	259	8.1	20.3 +- 0.6; 3.0	14.5 +- 0.7; 4.1	15.4 +- 2.1
20	285	5.0	14.8 +- 0.4; 2.2	9.4 +- 0.5; 3.6	10.7 +- 1.5
21	270	4.1	23.2 +- 0.7; 3.5	17.2 +- 0.7; 4.4	18.6 +- 1.5
22	123	12.0	23.8 +- 0.7; 3.6	17.8 +- 0.8; 4.5	20.4 +- 2.6
23	102	11.0	Damaged Dosimeter	No Net Data	22.5 +- 2.1
24	106	4.9	22.1 +- 0.7; 3.3	16.3 +- 0.7; 4.3	17.8 +- 1.4
25	90	5.2	Missing Dosimeter	No Net Data	17.0 +- 1.4
26	69	5.1	27.1 +- 0.8; 4.1	20.9 +- 0.8; 4.8	21.3 +- 1.5
27	23	5.3	23.1 +- 0.7; 3.5	17.2 +- 0.7; 4.4	18.4 +- 1.5
28	49	5.0	22.5 +- 0.7; 3.4	16.6 +- 0.7; 4.3	18.6 +- 1.5
29	7	6.8	20.8 +- 0.6; 3.1	15.0 +- 0.7; 4.2	17.7 +- 1.5
30	359	6.5	19.6 +- 0.6; 2.9	13.8 +- 0.7; 4.1	15.7 +- 1.4
31	1	4.6	17.9 +- 0.5; 2.7	12.2 +- 0.6; 3.9	13.3 +- 2.3
32	332	3.8	20.3 +- 0.6; 3.0	14.5 +- 0.7; 4.1	16.4 +- 1.6
33	314	5.4	22.4 +- 0.7; 3.4	16.5 +- 0.7; 4.3	17.5 +- 1.2
34	308	6.4	19.0 +- 0.6; 2.9	13.3 +- 0.6; 4.0	16.4 +- 1.5
35	348	5.3	19.4 +- 0.6; 2.9	13.7 +- 0.7; 4.0	15.5 +- 1.3
36	343	15.0	20.8 +- 0.6; 3.1	15.0 +- 0.7; 4.2	16.3 +- 1.5
37	340	15.0	17.9 +- 0.5; 2.7	12.3 +- 0.6; 3.9	14.4 +- 1.3
38	339	16.0	21.4 +- 0.6; 3.2	15.5 +- 0.7; 4.2	16.2 +- 2.4
39	153	1.9	24.1 +- 0.7; 3.6	18.1 +- 0.8; 4.5	18.6 +- 1.5
40	144	2.1	26.9 +- 0.8; 4.0	20.7 +- 0.8; 4.8	16.3 +- 2.1

Transit Dose = 4.8 +- 0.4; 3.2

SURRY

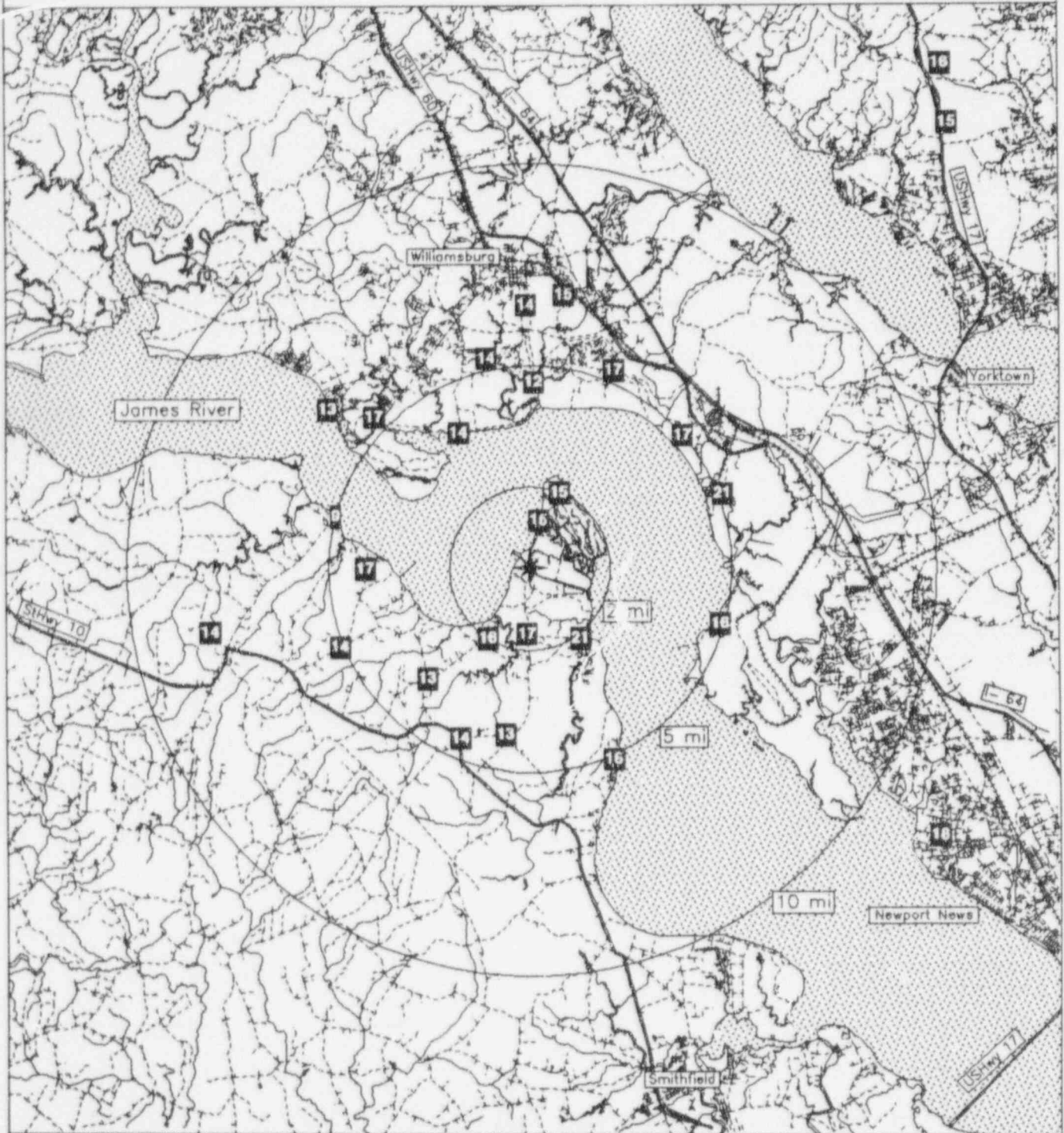
For the period 950313-950725

## TLD Direct Radiation Environmental Monitoring

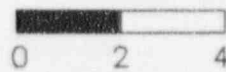
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	14.0 +- 1.3	4
11.26 - 33.75 NNE	15.3 +- 1.7	3
33.76 - 56.25 NE	16.6 +- 0.0	1
56.26 - 78.75 ENE	20.9 +- 0.0	1
78.76 - 101.25 E	No Data +- No Data	0
101.26 - 123.75 ESE	17.0 +- 1.1	2
123.76 - 146.25 SE	17.3 +- 4.8	2
146.26 - 168.75 SSE	15.5 +- 2.0	4
168.76 - 191.25 S	15.3 +- 2.6	2
191.26 - 213.75 SSW	14.8 +- 1.0	3
213.76 - 236.25 SW	13.1 +- 0.0	1
236.26 - 258.75 WSW	17.1 +- 3.9	2
258.76 - 281.25 W	17.1 +- 2.5	3
281.26 - 303.75 WNW	9.4 +- 0.0	1
303.76 - 326.25 NW	16.2 +- 2.7	3
326.26 - 348.75 NNW	16.1 +- 3.6	3

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	17.7 +- 2.1	9
2 - 5	14.7 +- 3.0	11
> 5	15.2 +- 2.1	15
Upwind Control	14.3 +- 1.7	3

# NRC TLD DOSES FOR SURRY AREA



Miles



### Legend

Water

Highways

Railroads

Roads

Plant..site

## SUSQUEHANNA

TLD Direct Radiation Environmental Monitoring

For the period 950312-950711 122 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	19	1.4	23.0	+- 0.7; 3.5	19.2	+- 0.7; 4.2	18.6	+- 2.0
2	358	1.4	23.7	+- 0.7; 3.6	19.8	+- 0.7; 4.2	18.8	+- 1.4
3	332	1.6	22.5	+- 0.7; 3.4	18.6	+- 0.7; 4.1	17.5	+- 1.4
4	315	1.8	21.5	+- 0.6; 3.2	17.8	+- 0.6; 4.0	17.2	+- 1.4
5	287	1.7	25.1	+- 0.8; 3.8	21.1	+- 0.7; 4.4	18.8	+- 1.6
6	270	1.3	22.5	+- 0.7; 3.4	18.7	+- 0.7; 4.1	18.5	+- 1.5
7	239	1.8	22.3	+- 0.7; 3.3	18.5	+- 0.7; 4.1	17.6	+- 1.6
8	217	2.0	26.1	+- 0.8; 3.9	22.0	+- 0.8; 4.5	20.9	+- 1.6
9	201	1.5	22.6	+- 0.7; 3.4	18.7	+- 0.7; 4.1	18.7	+- 1.6
10	185	1.3	21.7	+- 0.7; 3.3	18.0	+- 0.7; 4.0	17.1	+- 1.4
11	243	5.1	23.5	+- 0.7; 3.5	19.6	+- 0.7; 4.2	18.7	+- 1.5
12	252	4.6	22.7	+- 0.7; 3.4	18.9	+- 0.7; 4.1	17.9	+- 1.2
13	274	3.4	26.2	+- 0.8; 3.9	22.1	+- 0.8; 4.5	20.8	+- 1.6
14	286	3.6	23.7	+- 0.7; 3.6	19.8	+- 0.7; 4.2	19.3	+- 1.5
15	1	3.9	26.3	+- 0.8; 4.0	22.2	+- 0.8; 4.5	19.9	+- 1.8
16	334	4.1	22.6	+- 0.7; 3.4	18.8	+- 0.7; 4.1	19.2	+- 1.6
17	312	4.4	23.7	+- 0.7; 3.6	19.8	+- 0.7; 4.3	18.4	+- 1.5
18	33	5.0	23.2	+- 0.7; 3.5	19.3	+- 0.7; 4.2	19.2	+- 1.5
19	45	9.9	24.1	+- 0.7; 3.6	20.1	+- 0.7; 4.3	19.5	+- 1.5
20	65	4.7	25.2	+- 0.8; 3.8	21.2	+- 0.7; 4.4	20.6	+- 1.5
21	43	3.3	23.4	+- 0.7; 3.5	19.5	+- 0.7; 4.2	21.2	+- 1.5
22	33	0.9	25.1	+- 0.8; 3.8	21.0	+- 0.7; 4.4	18.2	+- 2.2
23	57	1.2	22.2	+- 0.7; 3.3	18.4	+- 0.7; 4.1	17.3	+- 1.4
24	87	1.4	24.1	+- 0.7; 3.6	20.2	+- 0.7; 4.3	18.9	+- 1.5
25	111	1.4	23.4	+- 0.7; 3.5	19.5	+- 0.7; 4.2	18.5	+- 1.5
26	137	1.5	23.1	+- 0.7; 3.5	19.3	+- 0.7; 4.2	18.6	+- 1.4
27	152	1.5	23.9	+- 0.7; 3.6	19.9	+- 0.7; 4.3	19.5	+- 1.3
28	107	3.6	24.9	+- 0.7; 3.7	20.9	+- 0.7; 4.4	21.0	+- 4.8
29	99	4.3	24.5	+- 0.7; 3.7	20.5	+- 0.7; 4.3	20.0	+- 1.3
30	138	3.6	24.6	+- 0.7; 3.7	20.6	+- 0.7; 4.3	20.1	+- 1.6
31	162	3.4	27.1	+- 0.8; 4.1	22.9	+- 0.8; 4.6	21.4	+- 1.9
32	176	3.5	26.0	+- 0.8; 3.9	21.9	+- 0.8; 4.5	20.1	+- 1.6
33	192	3.2	26.1	+- 0.8; 3.9	21.9	+- 0.8; 4.5	20.8	+- 1.5
34	231	4.4	24.5	+- 0.7; 3.7	20.5	+- 0.7; 4.3	19.2	+- 1.6
35	134	12.3	25.0	+- 0.8; 3.8	21.0	+- 0.7; 4.4	19.4	+- 1.9
36	114	13.5	26.9	+- 0.8; 4.0	22.7	+- 0.8; 4.6	21.7	+- 1.8
37	150	15.6	Missing Dosimeter		No Net Data		18.8	+- 1.6

Transit Dose = 2.0 +- 0.3; 3.0



## SUSQUEHANNA

For the period 950312-950711

## TLD Direct Radiation Environmental Monitoring

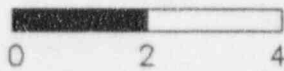
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	21.0 +- 1.7	2
11.26 - 33.75 NNE	19.8 +- 1.0	3
33.76 - 56.25 NE	19.8 +- 0.4	2
56.26 - 78.75 ENE	19.8 +- 2.0	2
78.76 - 101.25 E	20.3 +- 0.2	2
101.26 - 123.75 ESE	20.2 +- 0.9	2
123.76 - 146.25 SE	19.9 +- 0.9	2
146.26 - 168.75 SSE	21.4 +- 2.1	2
168.76 - 191.25 S	19.9 +- 2.8	2
191.26 - 213.75 SSW	20.3 +- 2.3	2
213.76 - 236.25 SW	21.2 +- 1.1	2
236.26 - 258.75 WSW	19.0 +- 0.6	3
258.76 - 281.25 W	20.4 +- 2.4	2
281.26 - 303.75 WNW	20.4 +- 0.9	2
303.76 - 326.25 NW	19.8 +- 1.4	2
326.26 - 348.75 NNW	18.7 +- 0.1	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	19.4 +- 1.2	16
2 - 5	20.7 +- 1.3	16
> 5	19.9 +- 0.3	2
Upwind Control	21.8 +- 1.2	2

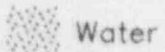
# NRC TLD DOSES FOR SUSQUEHANNA AREA



Miles



### Legend



Water

--- Railroads



Plant..site

— Highways

--- Roads

THREE MILE ISLAND  
 TLD Direct Radiation Environmental Monitoring  
 For the period 950312-950711 122 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	95	5.9	20.7 +- 0.6; 3.1	17.7 +- 0.6; 3.9		15.6 +- 1.9
2	102	3.9	23.1 +- 0.7; 3.5	19.8 +- 0.7; 4.1		17.8 +- 2.1
3	110	2.7	16.6 +- 0.5; 2.5	14.0 +- 0.5; 3.5		13.6 +- 2.7
4	162	1.8	19.4 +- 0.6; 2.9	16.5 +- 0.6; 3.7		15.2 +- 2.0
5	161	2.3	20.5 +- 0.6; 3.1	17.5 +- 0.6; 3.8		15.0 +- 1.7
6	152	1.1	19.8 +- 0.6; 3.0	16.9 +- 0.6; 3.8		15.6 +- 2.0
7	123	0.5	17.4 +- 0.5; 2.6	14.7 +- 0.5; 3.6		13.7 +- 1.7
8	87	0.4	21.1 +- 0.6; 3.2	18.0 +- 0.6; 3.9		15.5 +- 2.2
9	61	0.5	18.6 +- 0.6; 2.8	15.8 +- 0.6; 3.7		14.6 +- 1.7
10	1	1.7	19.2 +- 0.6; 2.9	16.3 +- 0.6; 3.7		14.8 +- 2.2
11	27	0.8	19.2 +- 0.6; 2.9	16.4 +- 0.6; 3.7		14.8 +- 1.7
12	48	1.0	18.9 +- 0.6; 2.8	16.0 +- 0.6; 3.7		15.1 +- 2.0
13	19	2.0	20.2 +- 0.6; 3.0	17.2 +- 0.6; 3.8		15.4 +- 1.9
14	358	2.4	18.4 +- 0.6; 2.8	15.7 +- 0.6; 3.6		13.9 +- 2.1
15	132	9.0	22.5 +- 0.7; 3.4	19.3 +- 0.6; 4.0		17.7 +- 2.2
16	0	3.0	18.1 +- 0.5; 2.7	15.3 +- 0.5; 3.6		14.1 +- 2.0
18	347	3.5	23.0 +- 0.7; 3.4	19.7 +- 0.7; 4.1		17.7 +- 2.7
19	343	3.1	21.3 +- 0.6; 3.2	18.2 +- 0.6; 3.9		16.2 +- 1.8
20	318	5.0	20.1 +- 0.6; 3.0	17.2 +- 0.6; 3.8		15.0 +- 1.8
21	348	2.7	16.0 +- 0.5; 2.4	13.5 +- 0.5; 3.4		12.1 +- 1.7
22	17	3.1	20.5 +- 0.6; 3.1	17.5 +- 0.6; 3.8		15.4 +- 2.1
23	64	3.7	16.6 +- 0.5; 2.5	14.1 +- 0.5; 3.5		12.5 +- 1.6
24	44	3.6	21.5 +- 0.6; 3.2	18.4 +- 0.6; 3.9		16.3 +- 2.0
25	327	0.4	13.9 +- 0.4; 2.1	11.6 +- 0.4; 3.3		12.0 +- 2.9
27	7	7.1	25.7 +- 0.8; 3.8	22.1 +- 0.7; 4.4		19.9 +- 2.0
29	293	0.4	17.3 +- 0.5; 2.6	14.7 +- 0.5; 3.5		15.0 +- 2.6
30	314	1.1	20.8 +- 0.6; 3.1	17.8 +- 0.6; 3.9		16.0 +- 1.7
31	303	8.6	17.5 +- 0.5; 2.6	14.9 +- 0.5; 3.6		13.2 +- 1.6
32	297	7.6	21.0 +- 0.6; 3.1	17.9 +- 0.6; 3.9		16.7 +- 1.8
33	302	5.8	16.5 +- 0.5; 2.5	13.9 +- 0.5; 3.5		13.2 +- 1.9
34	296	2.3	20.8 +- 0.6; 3.1	17.8 +- 0.6; 3.9		16.0 +- 1.7
35	308	1.8	20.0 +- 0.6; 3.0	17.1 +- 0.6; 3.8		16.1 +- 1.6
36	265	1.2	17.0 +- 0.5; 2.6	14.4 +- 0.5; 3.5		12.5 +- 2.0
37	256	1.4	18.6 +- 0.6; 2.8	15.8 +- 0.6; 3.7		13.3 +- 1.6
38	225	1.9	19.3 +- 0.6; 2.9	16.4 +- 0.6; 3.7		16.2 +- 1.7
39	204	2.0	16.8 +- 0.5; 2.5	14.2 +- 0.5; 3.5		12.7 +- 1.6
40	202	2.5	18.8 +- 0.6; 2.8	16.0 +- 0.6; 3.7		14.3 +- 1.6
41	184	12.6	22.2 +- 0.7; 3.3	19.0 +- 0.6; 4.0		16.1 +- 1.8
42	259	7.4	20.6 +- 0.6; 3.1	17.6 +- 0.6; 3.8		15.5 +- 1.9
43	268	6.2	20.0 +- 0.6; 3.0	17.0 +- 0.6; 3.8		16.5 +- 2.3
44	249	4.3	19.3 +- 0.6; 2.9	16.5 +- 0.6; 3.7		14.6 +- 1.7
45	221	0.5	15.9 +- 0.5; 2.4	13.4 +- 0.5; 3.4		12.9 +- 2.5
46	171	3.0	20.3 +- 0.6; 3.0	17.3 +- 0.6; 3.8		14.9 +- 2.2
47	177	5.7	18.8 +- 0.6; 2.8	16.0 +- 0.6; 3.7		14.9 +- 1.9
48	181	9.1	Missing Dosimeter	No Net Data		21.2 +- 2.5
49	199	1.0	17.3 +- 0.5; 2.6	14.7 +- 0.5; 3.5		14.1 +- 1.8
50	145	4.9	21.8 +- 0.7; 3.3	18.6 +- 0.6; 4.0		16.6 +- 2.4

Transit Dose = 0.9 +- 0.3; 3.0

THREE MILE ISLAND  
For the period 950312-950711

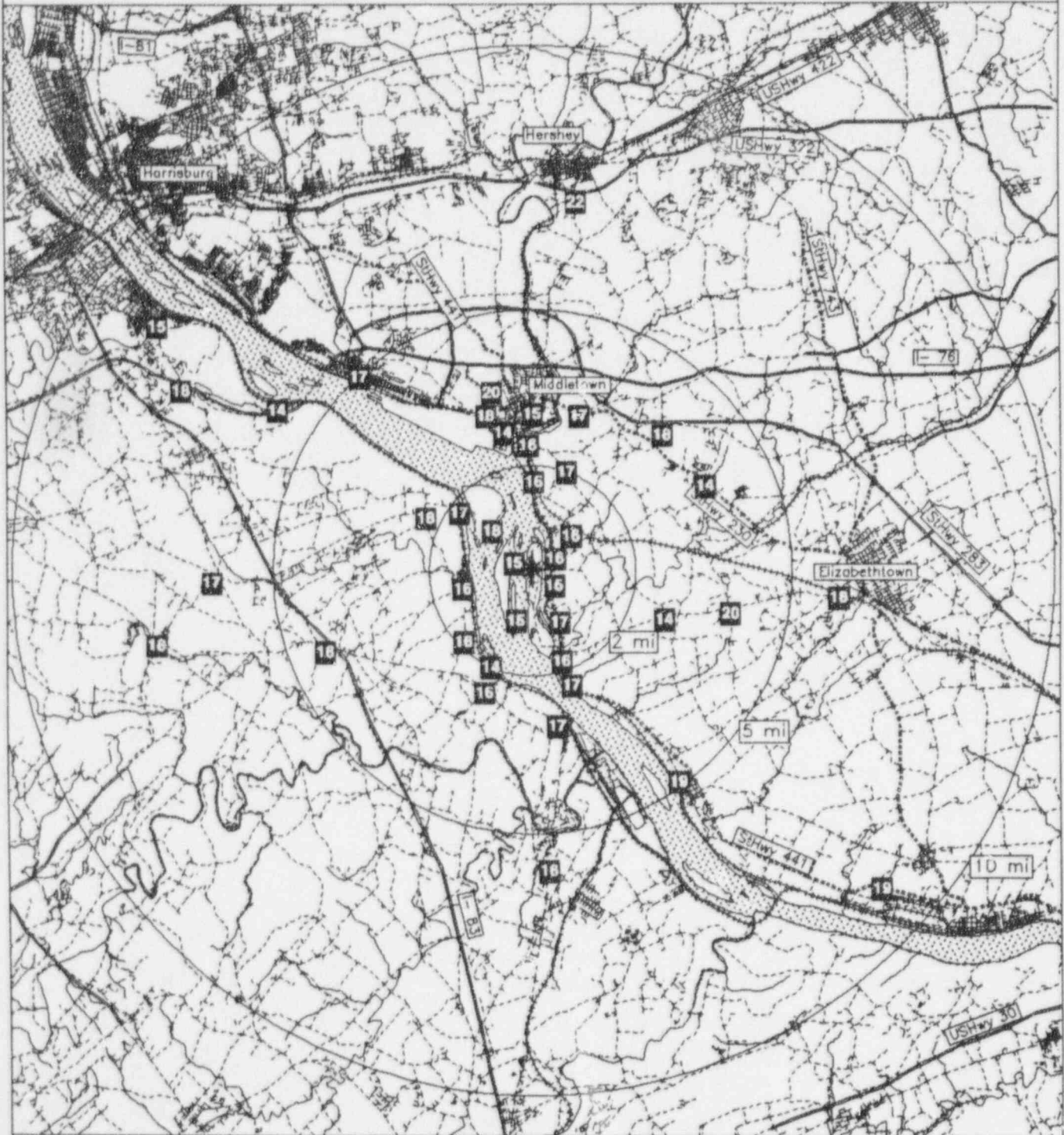
## TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	17.4 +- 3.2	4
11.26 - 33.75 NNE	17.0 +- 0.6	3
33.76 - 56.25 NE	17.2 +- 1.7	2
56.26 - 78.75 ENE	14.9 +- 1.3	2
78.76 - 101.25 E	17.9 +- 0.3	2
101.26 - 123.75 ESE	16.2 +- 3.2	3
123.76 - 146.25 SE	18.9 +- 0.5	2
146.26 - 168.75 SSE	16.9 +- 0.5	3
168.76 - 191.25 S	17.4 +- 1.5	3
191.26 - 213.75 SSW	14.9 +- 0.9	3
213.76 - 236.25 SW	14.9 +- 2.1	2
236.26 - 258.75 WSW	16.5 +- 0.0	1
258.76 - 281.25 W	17.3 +- 0.4	2
281.26 - 303.75 WNW	15.8 +- 1.9	5
303.76 - 326.25 NW	17.5 +- 0.5	2
326.26 - 348.75 NNW	15.8 +- 3.8	4

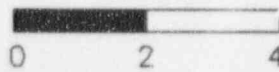
Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	15.7 +- 1.7	16
2 - 5	16.9 +- 1.9	17
> 5	17.5 +- 2.3	10
Upwind Control	15.7 +- 1.3	3



# 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 950312-950712 123 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	340	0.6	16.3 +- 0.5; 2.4	12.6 +- 0.6; 3.7	12.4 +- 1.1
2	334	1.5	17.6 +- 0.5; 2.6	13.9 +- 0.6; 3.9	14.7 +- 0.9
3	340	1.7	15.6 +- 0.5; 2.3	11.9 +- 0.6; 3.7	11.8 +- 0.8
4	328	3.9	13.7 +- 0.4; 2.1	10.1 +- 0.5; 3.5	12.7 +- 1.0
5	308	4.6	17.5 +- 0.5; 2.6	13.8 +- 0.6; 3.9	14.5 +- 1.2
6	312	4.5	Missing Dosimeter	No Net Data	15.1 +- 1.7
7	267	4.6	18.2 +- 0.5; 2.7	14.5 +- 0.6; 3.9	14.7 +- 0.9
8	274	3.8	18.6 +- 0.6; 2.8	14.9 +- 0.6; 4.0	15.4 +- 1.0
9	279	1.7	17.9 +- 0.5; 2.7	14.2 +- 0.6; 3.9	14.7 +- 1.2
10	263	2.0	18.8 +- 0.6; 2.8	15.0 +- 0.6; 4.0	15.3 +- 0.8
11	245	1.6	19.6 +- 0.6; 2.9	15.9 +- 0.7; 4.1	16.2 +- 1.5
12	223	1.2	20.0 +- 0.6; 3.0	16.2 +- 0.7; 4.1	16.6 +- 1.4
13	196	1.1	18.8 +- 0.6; 2.8	15.1 +- 0.6; 4.0	15.3 +- 1.0
14	180	1.2	15.8 +- 0.5; 2.4	12.2 +- 0.6; 3.7	14.4 +- 1.0
15	165	1.7	15.6 +- 0.5; 2.3	12.0 +- 0.6; 3.7	13.3 +- 1.3
16	212	3.9	19.0 +- 0.6; 2.8	15.3 +- 0.6; 4.0	16.1 +- 2.0
17	230	3.5	18.5 +- 0.6; 2.8	14.8 +- 0.6; 4.0	15.8 +- 1.3
18	162	9.3	19.2 +- 0.6; 2.9	15.4 +- 0.6; 4.0	15.8 +- 1.3
19	172	5.0	17.5 +- 0.5; 2.6	13.8 +- 0.6; 3.9	16.0 +- 1.5
20	334	5.8	16.2 +- 0.5; 2.4	12.6 +- 0.6; 3.7	13.0 +- 1.2
21	345	5.5	16.5 +- 0.5; 2.5	12.8 +- 0.6; 3.8	13.5 +- 1.2
22	356	5.5	16.1 +- 0.5; 2.4	12.4 +- 0.6; 3.7	12.4 +- 1.3
23	8	3.9	16.0 +- 0.5; 2.4	12.3 +- 0.6; 3.7	12.1 +- 1.3
24	15	3.7	16.4 +- 0.5; 2.5	12.7 +- 0.6; 3.7	13.3 +- 1.2
25	27	1.9	15.6 +- 0.5; 2.3	12.0 +- 0.6; 3.7	12.2 +- 1.2
26	37	2.1	17.3 +- 0.5; 2.6	13.6 +- 0.6; 3.8	14.9 +- 1.4
27	60	2.9	17.5 +- 0.5; 2.6	13.8 +- 0.6; 3.9	15.1 +- 1.2
28	55	4.5	17.2 +- 0.5; 2.6	13.5 +- 0.6; 3.8	13.7 +- 1.6
29	69	1.6	15.5 +- 0.5; 2.3	11.8 +- 0.6; 3.7	12.9 +- 2.0
30	83	3.9	16.0 +- 0.5; 2.4	12.3 +- 0.6; 3.7	12.8 +- 1.2
31	93	2.7	18.2 +- 0.5; 2.7	14.5 +- 0.6; 3.9	15.5 +- 1.3
32	119	2.2	19.2 +- 0.6; 2.9	15.5 +- 0.6; 4.0	15.6 +- 1.3
33	106	5.3	16.3 +- 0.5; 2.4	12.6 +- 0.6; 3.7	14.9 +- 2.7
34	134	2.5	15.6 +- 0.5; 2.3	12.0 +- 0.6; 3.7	12.5 +- 1.2
35	145	4.7	16.3 +- 0.5; 2.4	12.6 +- 0.6; 3.7	13.1 +- 1.2
36	270	17.0	18.0 +- 0.5; 2.7	14.2 +- 0.6; 3.9	15.4 +- 2.2
37	270	17.0	17.7 +- 0.5; 2.7	14.0 +- 0.6; 3.9	16.6 +- 2.2
38	270	17.0	19.9 +- 0.6; 3.0	16.2 +- 0.7; 4.1	16.4 +- 1.4

Transit Dose = 3.4 +- 0.3; 2.9

TROJAN

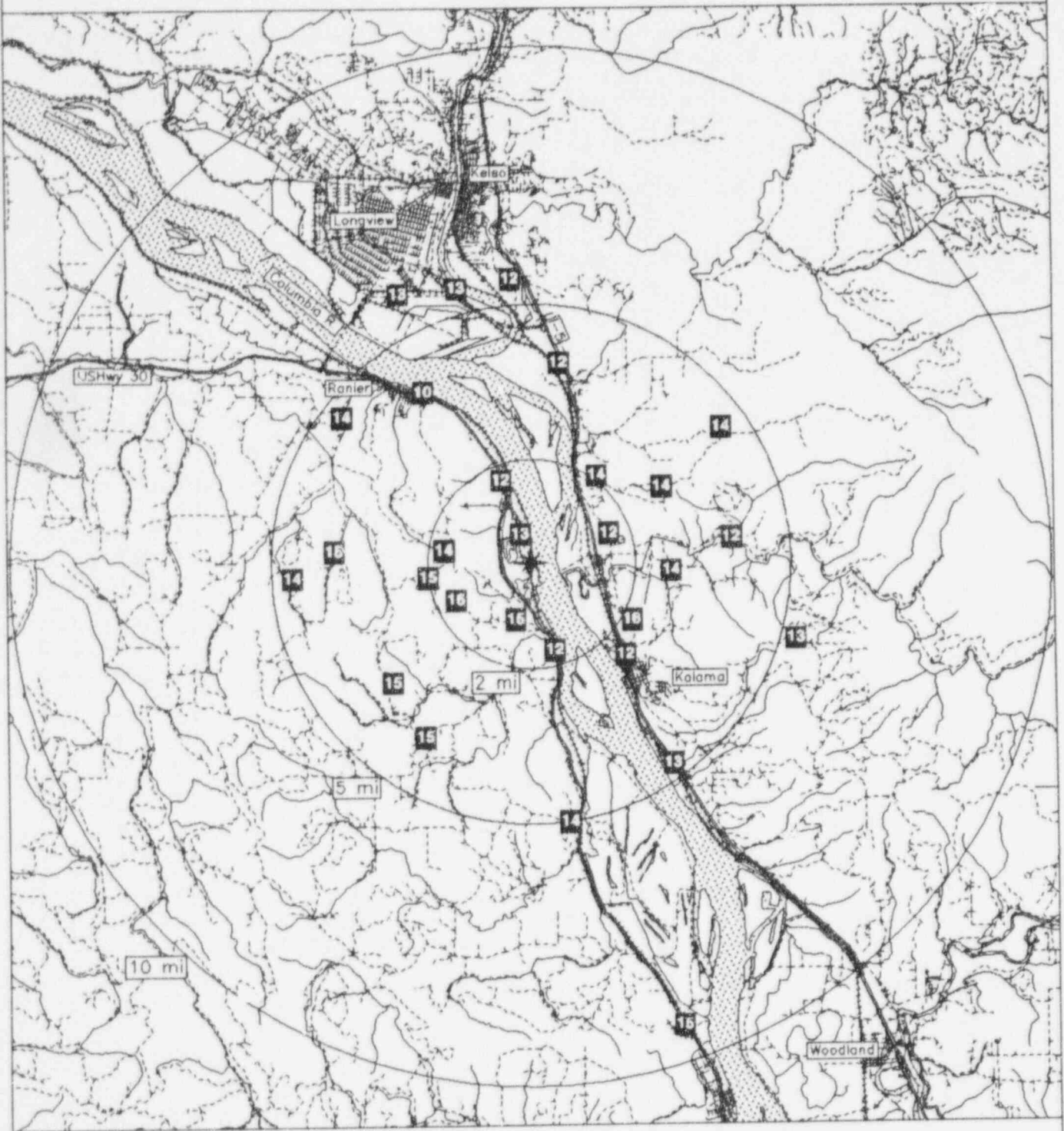
For the period 950312-950712

## TLD Direct Radiation Environmental Monitoring

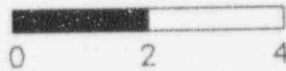
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	12.3 +- 0.1	2
11.26 - 33.75 NNE	12.3 +- 0.5	2
33.76 - 56.25 NE	13.6 +- 0.1	2
56.26 - 78.75 ENE	12.8 +- 1.4	2
78.76 - 101.25 E	13.4 +- 1.5	2
101.26 - 123.75 ESE	14.1 +- 2.0	2
123.76 - 146.25 SE	12.3 +- 0.5	2
146.26 - 168.75 SSE	13.7 +- 2.5	2
168.76 - 191.25 S	13.0 +- 1.1	2
191.26 - 213.75 SSW	15.2 +- 0.1	2
213.76 - 236.25 SW	15.5 +- 1.0	2
236.26 - 258.75 WSW	15.9 +- 0.0	1
258.76 - 281.25 W	14.6 +- 0.4	4
281.26 - 303.75 WNW	No Data +- No Data	0
303.76 - 326.25 NW	13.8 +- 0.0	1
326.26 - 348.75 NNW	12.3 +- 1.3	6

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	13.6 +- 1.7	12
2 - 5	13.5 +- 1.4	17
> 5	13.2 +- 1.3	5
Upwind Control	14.8 +- 1.2	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 950313-950713 123 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	310	1.3	13.1 +- 0.4; 2.0	11.0 +- 0.5; 3.3	11.3 +- 2.1
2	292	2.4	Missing Dosimeter	No Net Data	11.4 +- 2.1
3	340	1.9	14.5 +- 0.4; 2.2	12.4 +- 0.5; 3.4	11.7 +- 2.1
4	354	2.0	Missing Dosimeter	No Net Data	12.0 +- 2.5
5	314	3.8	13.1 +- 0.4; 2.0	11.1 +- 0.5; 3.3	11.4 +- 2.0
6	331	4.2	Missing Dosimeter	No Net Data	10.9 +- 2.0
7	291	5.4	Missing Dosimeter	No Net Data	11.6 +- 2.4
8	263	5.1	13.9 +- 0.4; 2.1	11.8 +- 0.5; 3.4	10.8 +- 2.0
9	242	5.7	11.8 +- 0.4; 1.8	9.8 +- 0.4; 3.2	11.4 +- 2.5
10	234	6.2	13.5 +- 0.4; 2.0	11.4 +- 0.5; 3.3	11.8 +- 1.4
11	220	6.2	13.3 +- 0.4; 2.0	11.2 +- 0.5; 3.3	11.3 +- 2.3
12	213	6.9	12.3 +- 0.4; 1.8	10.2 +- 0.4; 3.2	11.1 +- 2.0
13	199	10.0	12.8 +- 0.4; 1.9	10.8 +- 0.5; 3.3	11.7 +- 2.0
14	90	10.0	14.4 +- 0.4; 2.2	12.2 +- 0.5; 3.4	11.0 +- 2.4
15	180	10.0	14.6 +- 0.4; 2.2	12.4 +- 0.5; 3.4	13.1 +- 2.0
16	171	10.0	14.9 +- 0.4; 2.2	12.8 +- 0.5; 3.5	13.1 +- 2.1
17	165	9.0	14.9 +- 0.4; 2.2	12.7 +- 0.5; 3.5	12.6 +- 2.1
18	203	16.0	14.4 +- 0.4; 2.2	12.3 +- 0.5; 3.4	12.1 +- 1.7
19	203	16.0	Missing Dosimeter	No Net Data	12.0 +- 2.1
20	203	16.0	15.3 +- 0.5; 2.3	13.1 +- 0.5; 3.5	13.3 +- 1.9
21	268	8.7	12.6 +- 0.4; 1.9	10.5 +- 0.4; 3.3	10.4 +- 2.1
22	256	8.0	12.5 +- 0.4; 1.9	10.4 +- 0.4; 3.3	11.9 +- 2.0
23	275	9.0	13.2 +- 0.4; 2.0	11.2 +- 0.5; 3.3	11.2 +- 2.3
24	285	9.0	14.7 +- 0.4; 2.2	12.5 +- 0.5; 3.4	13.4 +- 2.2
25	293	8.7	15.2 +- 0.5; 2.3	13.0 +- 0.5; 3.5	14.0 +- 2.1
26	301	8.4	15.1 +- 0.5; 2.3	12.9 +- 0.5; 3.5	13.3 +- 2.0
27	311	8.3	12.9 +- 0.4; 1.9	10.9 +- 0.5; 3.3	11.7 +- 1.8
28	327	8.2	15.1 +- 0.5; 2.3	13.0 +- 0.5; 3.5	13.5 +- 1.9
29	339	9.3	Missing Dosimeter	No Net Data	12.7 +- 2.0
30	350	8.7	Missing Dosimeter	No Net Data	12.3 +- 2.3
31	359	9.9	Damaged Dosimeter	No Net Data	12.5 +- 1.8
32	2	18.0	14.5 +- 0.4; 2.2	12.3 +- 0.5; 3.4	12.5 +- 1.5
33	2	22.0	14.5 +- 0.4; 2.2	12.4 +- 0.5; 3.4	12.7 +- 1.9
34	18	24.0	13.2 +- 0.4; 2.0	11.1 +- 0.5; 3.3	12.7 +- 2.1
35	28	22.0	12.5 +- 0.4; 1.9	10.5 +- 0.4; 3.3	12.3 +- 2.8
36	15	0.3	12.0 +- 0.4; 1.8	10.0 +- 0.4; 3.2	11.1 +- 1.9
37	228	0.5	15.3 +- 0.5; 2.3	13.2 +- 0.5; 3.5	12.8 +- 2.0

Transit Dose = 1.5 +- 0.3; 2.9

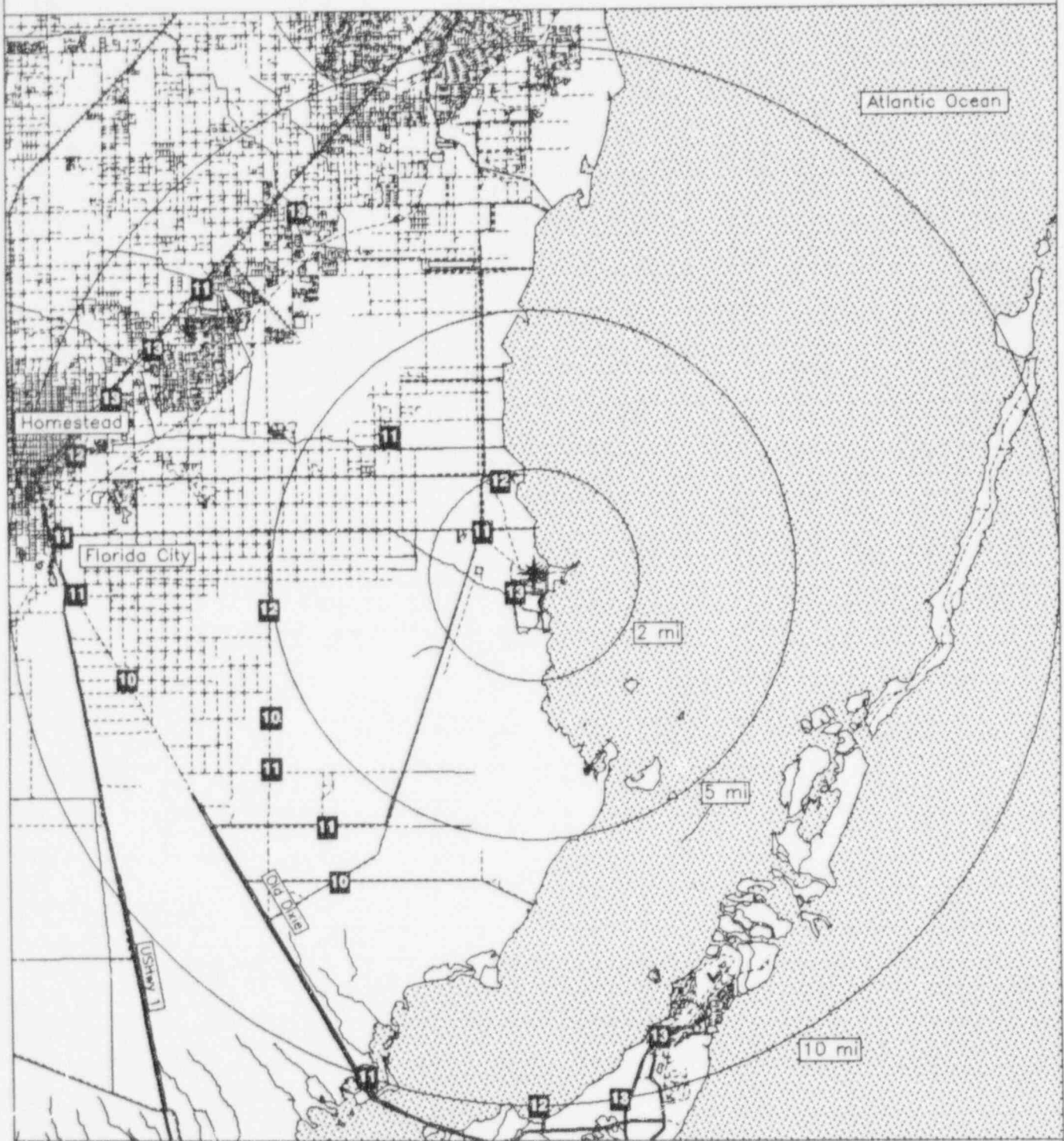
TURKEY POINT  
For the period 950313-950713

## TLD Direct Radiation Environmental Monitoring

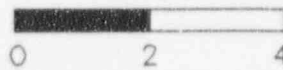
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	12.4 +- 0.0	2
11.26 - 33.75 NNE	10.5 +- 0.6	3
33.76 - 56.25 NE	No Data +- No Data	0
56.26 - 78.75 ENE	No Data +- No Data	0
78.76 - 101.25 E	12.2 +- 0.0	1
101.26 - 123.75 ESE	No Data +- No Data	0
123.76 - 146.25 SE	No Data +- No Data	0
146.26 - 168.75 SSE	12.7 +- 0.0	1
168.76 - 191.25 S	12.6 +- 0.2	2
191.26 - 213.75 SSW	10.5 +- 0.4	2
213.76 - 236.25 SW	11.9 +- 1.1	3
236.26 - 258.75 WSW	10.1 +- 0.5	2
258.76 - 281.25 W	11.2 +- 0.6	3
281.26 - 303.75 WNW	12.8 +- 0.3	3
303.76 - 326.25 NW	11.0 +- 0.1	3
326.26 - 348.75 NNW	12.7 +- 0.4	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	11.6 +- 1.4	4
2 - 5	11.1 +- 0.0	1
> 5	11.6 +- 1.0	22
Upwind Control	12.7 +- 0.6	2

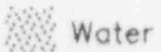
# NRC TLD DOSES FOR TURKEY POINT AREA



Miles



## Legend



Water

Highways

Railroads

Roads



Plant..site

## VERMONT YANKEE

TLD Direct Radiation Environmental Monitoring

For the period 950315-950711 119 Days

Field Time: 85 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	142	1.0	20.6	+- 0.6; 3.1	18.0	+- 0.7; 4.4	15.7	+- 2.1
2	158	1.0	18.8	+- 0.6; 2.8	16.1	+- 0.7; 4.2	16.8	+- 1.4
3	184	1.3	18.5	+- 0.6; 2.8	15.7	+- 0.7; 4.1	16.1	+- 1.5
4	201	1.4	20.1	+- 0.6; 3.0	17.4	+- 0.7; 4.3	16.6	+- 1.8
5	220	1.6	20.5	+- 0.6; 3.1	17.9	+- 0.7; 4.4	16.7	+- 1.8
6	157	3.4	23.2	+- 0.7; 3.5	20.7	+- 0.8; 4.7	16.7	+- 2.3
7	189	4.9	21.1	+- 0.6; 3.2	18.5	+- 0.8; 4.5	16.3	+- 1.5
8	201	13.0	19.7	+- 0.6; 3.0	17.0	+- 0.7; 4.3	16.1	+- 1.3
9	208	5.8	19.6	+- 0.6; 2.9	16.9	+- 0.7; 4.3	16.2	+- 1.6
10	232	3.7	22.3	+- 0.7; 3.3	19.7	+- 0.8; 4.6	18.5	+- 1.8
11	277	2.9	21.6	+- 0.6; 3.2	19.0	+- 0.8; 4.5	17.3	+- 1.9
12	292	1.4	21.1	+- 0.6; 3.2	18.5	+- 0.8; 4.4	17.1	+- 1.9
13	314	1.4	19.9	+- 0.6; 3.0	17.2	+- 0.7; 4.3	16.3	+- 1.7
14	310	4.2	19.2	+- 0.6; 2.9	16.5	+- 0.7; 4.2	16.2	+- 1.3
15	299	4.3	19.6	+- 0.6; 2.9	16.8	+- 0.7; 4.3	16.2	+- 1.3
16	270	4.5	17.5	+- 0.5; 2.6	14.6	+- 0.6; 4.0	14.5	+- 1.6
17	331	5.0	19.7	+- 0.6; 3.0	17.0	+- 0.7; 4.3	17.0	+- 1.3
18	290	19.0	21.7	+- 0.7; 3.3	19.1	+- 0.8; 4.5	18.6	+- 1.8
19	290	19.0	19.9	+- 0.6; 3.0	17.2	+- 0.7; 4.3	17.9	+- 1.8
20	290	19.0	20.5	+- 0.6; 3.1	17.8	+- 0.7; 4.4	18.1	+- 1.9
21	359	3.2	20.2	+- 0.6; 3.0	17.5	+- 0.7; 4.3	16.7	+- 1.7
23	334	2.2	19.0	+- 0.6; 2.9	16.3	+- 0.7; 4.2	16.0	+- 1.7
24	4	0.9	20.1	+- 0.6; 3.0	17.5	+- 0.7; 4.3	17.0	+- 1.6
25	30	1.0	18.7	+- 0.6; 2.8	16.0	+- 0.7; 4.2	15.7	+- 1.5
26	72	1.5	19.5	+- 0.6; 2.9	16.8	+- 0.7; 4.3	17.3	+- 1.6
27	44	0.7	19.2	+- 0.6; 2.9	16.5	+- 0.7; 4.2	16.4	+- 1.5
28	39	2.8	20.3	+- 0.6; 3.0	17.6	+- 0.7; 4.4	17.8	+- 2.1
29	25	3.8	22.7	+- 0.7; 3.4	20.1	+- 0.8; 4.6	19.3	+- 1.8
30	72	2.7	21.8	+- 0.7; 3.3	19.2	+- 0.8; 4.5	18.7	+- 2.2
31	85	2.0	19.8	+- 0.6; 3.0	17.1	+- 0.7; 4.3	16.8	+- 1.6
32	111	1.8	20.2	+- 0.6; 3.0	17.5	+- 0.7; 4.3	16.6	+- 1.5
33	134	4.0	19.6	+- 0.6; 2.9	16.9	+- 0.7; 4.3	16.3	+- 1.3
34	151	6.0	18.9	+- 0.6; 2.8	16.2	+- 0.7; 4.2	14.7	+- 1.4
35	111	4.3	21.5	+- 0.6; 3.2	18.9	+- 0.8; 4.5	18.6	+- 1.7
36	92	4.7	23.4	+- 0.7; 3.5	20.9	+- 0.8; 4.7	19.0	+- 1.6
37	50	15.0	25.6	+- 0.8; 3.8	23.3	+- 0.9; 5.0	20.8	+- 1.4
39	222	0.3	21.0	+- 0.6; 3.1	18.3	+- 0.7; 4.4	18.0	+- 1.4
40	250	3.0	21.5	+- 0.6; 3.2	18.9	+- 0.8; 4.5	16.9	+- 1.6

Transit Dose = 3.7 +- 0.3; 2.8



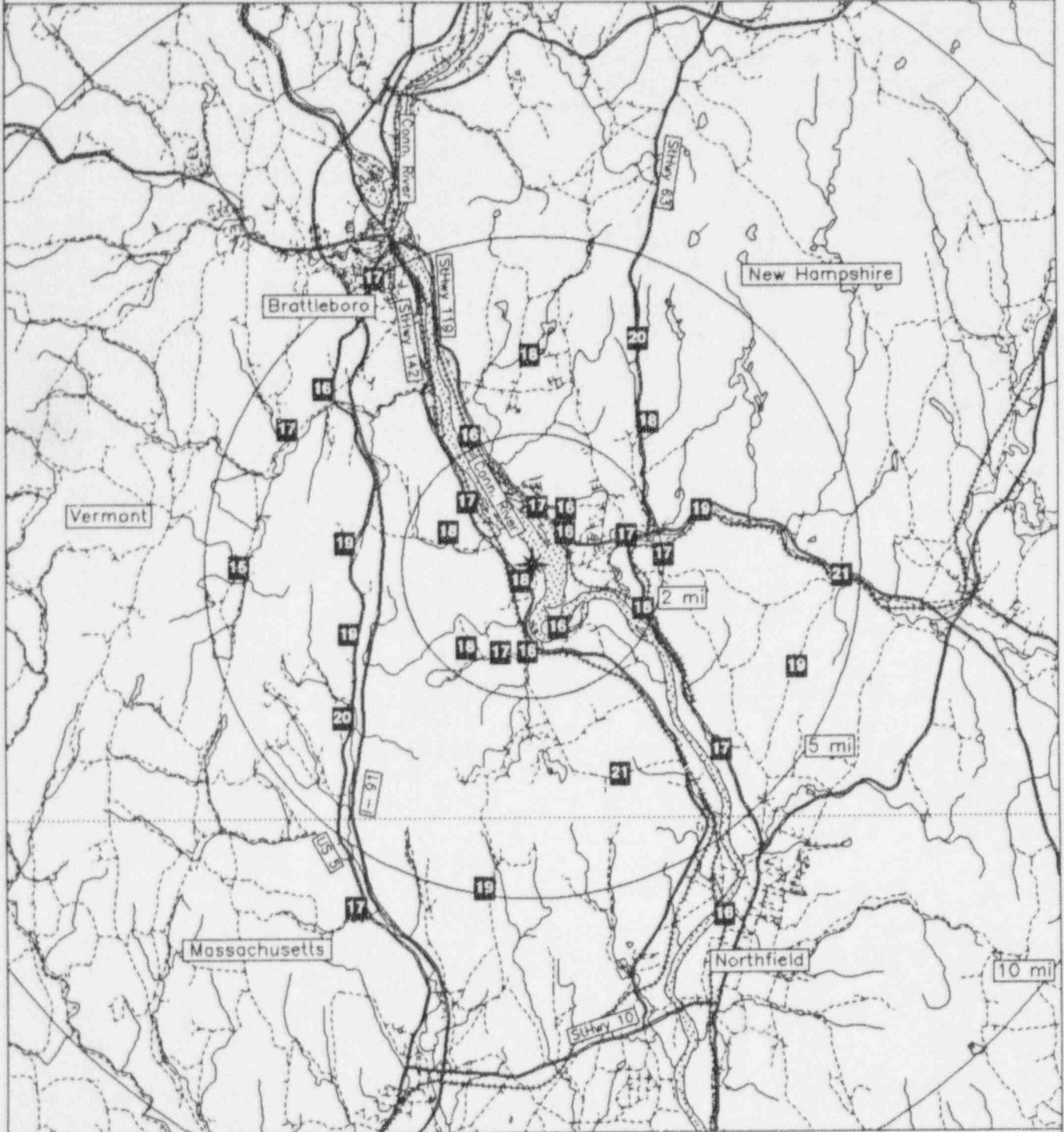
VERMONT YANKEE  
For the period 950315-950711

TLD Direct Radiation Environmental Monitoring

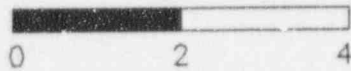
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	17.5 +- 0.0	2
11.26 - 33.75 NNE	18.1 +- 3.0	2
33.76 - 56.25 NE	19.1 +- 3.6	3
56.26 - 78.75 ENE	18.0 +- 1.7	2
78.76 - 101.25 E	19.0 +- 2.7	2
101.26 - 123.75 ESE	18.2 +- 1.0	2
123.76 - 146.25 SE	17.4 +- 0.8	2
146.26 - 168.75 SSE	17.6 +- 2.6	3
168.76 - 191.25 S	17.1 +- 2.0	2
191.26 - 213.75 SSW	17.1 +- 0.3	3
213.76 - 236.25 SW	18.6 +- 1.0	3
236.26 - 258.75 WSW	18.9 +- 0.0	1
258.76 - 281.25 W	16.8 +- 3.1	2
281.26 - 303.75 WNW	17.7 +- 1.1	2
303.76 - 326.25 NW	16.9 +- 0.5	2
326.26 - 348.75 NNW	16.6 +- 0.5	2

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	17.2 +- 0.9	14
2 - 5	18.2 +- 1.7	17
> 5	18.3 +- 3.3	4
Upwind Control	18.0 +- 1.0	3

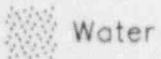
# NRC TLD DOSES FOR VERMONT YANKEE AREA



Miles



## Legend



Water

Highways

Railroads

Roads



Plant site

VOGTLE (GA)  
 TLD Direct Radiation Environmental Monitoring  
 For the period 950313-950725 135 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	298 1.6	19.7 +- 0.6; 3.0	16.6 +- 0.6; 3.9	14.2 +- 1.8
2	309 1.6	20.4 +- 0.6; 3.1	17.2 +- 0.6; 4.0	14.1 +- 1.9
3	336 1.4	18.8 +- 0.6; 2.8	15.8 +- 0.6; 3.9	14.1 +- 2.5
4	270 1.3	19.7 +- 0.6; 2.9	16.5 +- 0.6; 3.9	14.0 +- 2.1
5	247 1.2	20.8 +- 0.6; 3.1	17.6 +- 0.7; 4.1	14.8 +- 1.9
6	215 1.2	23.7 +- 0.7; 3.5	20.3 +- 0.7; 4.4	18.0 +- 1.9
7	205 1.2	26.3 +- 0.8; 3.9	22.8 +- 0.8; 4.7	17.2 +- 1.8
8	180 1.1	25.1 +- 0.8; 3.8	21.7 +- 0.8; 4.5	17.1 +- 1.8
9	153 1.2	22.2 +- 0.7; 3.3	18.9 +- 0.7; 4.2	15.8 +- 2.1
10	134 3.2	22.9 +- 0.7; 3.4	19.6 +- 0.7; 4.3	17.0 +- 1.8
11	103 1.1	17.4 +- 0.5; 2.6	14.4 +- 0.6; 3.7	12.6 +- 2.6
12	134 3.3	19.9 +- 0.6; 3.0	16.8 +- 0.6; 4.0	14.7 +- 1.9
13	123 4.2	21.6 +- 0.6; 3.2	18.4 +- 0.7; 4.1	15.1 +- 1.7
14	141 4.6	17.7 +- 0.5; 2.7	14.7 +- 0.6; 3.7	14.3 +- 3.5
15	153 5.3	19.0 +- 0.6; 2.8	15.9 +- 0.6; 3.9	13.2 +- 1.9
16	162 6.3	21.4 +- 0.6; 3.2	18.2 +- 0.7; 4.1	15.2 +- 2.1
17	157 7.3	19.3 +- 0.6; 2.9	16.2 +- 0.6; 3.9	17.4 +- 2.7
18	191 4.8	18.7 +- 0.6; 2.8	15.7 +- 0.6; 3.8	13.6 +- 1.8
19	208 4.7	18.6 +- 0.6; 2.8	15.6 +- 0.6; 3.8	13.0 +- 2.1
20	232 4.9	19.0 +- 0.6; 2.8	15.9 +- 0.6; 3.9	13.5 +- 2.0
21	250 5.6	20.7 +- 0.6; 3.1	17.5 +- 0.7; 4.0	14.6 +- 2.0
22	264 4.3	19.7 +- 0.6; 3.0	16.6 +- 0.6; 3.9	14.1 +- 2.1
23	301 4.2	17.4 +- 0.5; 2.6	14.4 +- 0.6; 3.7	14.5 +- 2.1
24	308 4.6	17.6 +- 0.5; 2.6	14.6 +- 0.6; 3.7	14.4 +- 2.7
25	329 6.7	20.7 +- 0.6; 3.1	17.6 +- 0.7; 4.0	16.0 +- 3.0
26	258 15.0	23.8 +- 0.7; 3.6	20.5 +- 0.7; 4.4	17.3 +- 2.1
27	300 13.0	24.3 +- 0.7; 3.6	20.9 +- 0.7; 4.4	17.0 +- 1.6
28	330 30.0	20.3 +- 0.6; 3.0	17.1 +- 0.6; 4.0	14.2 +- 2.0

Transit Dose = 2.2 +- 0.3; 2.9

VOGTLE (GA)  
For the period 950313-950725

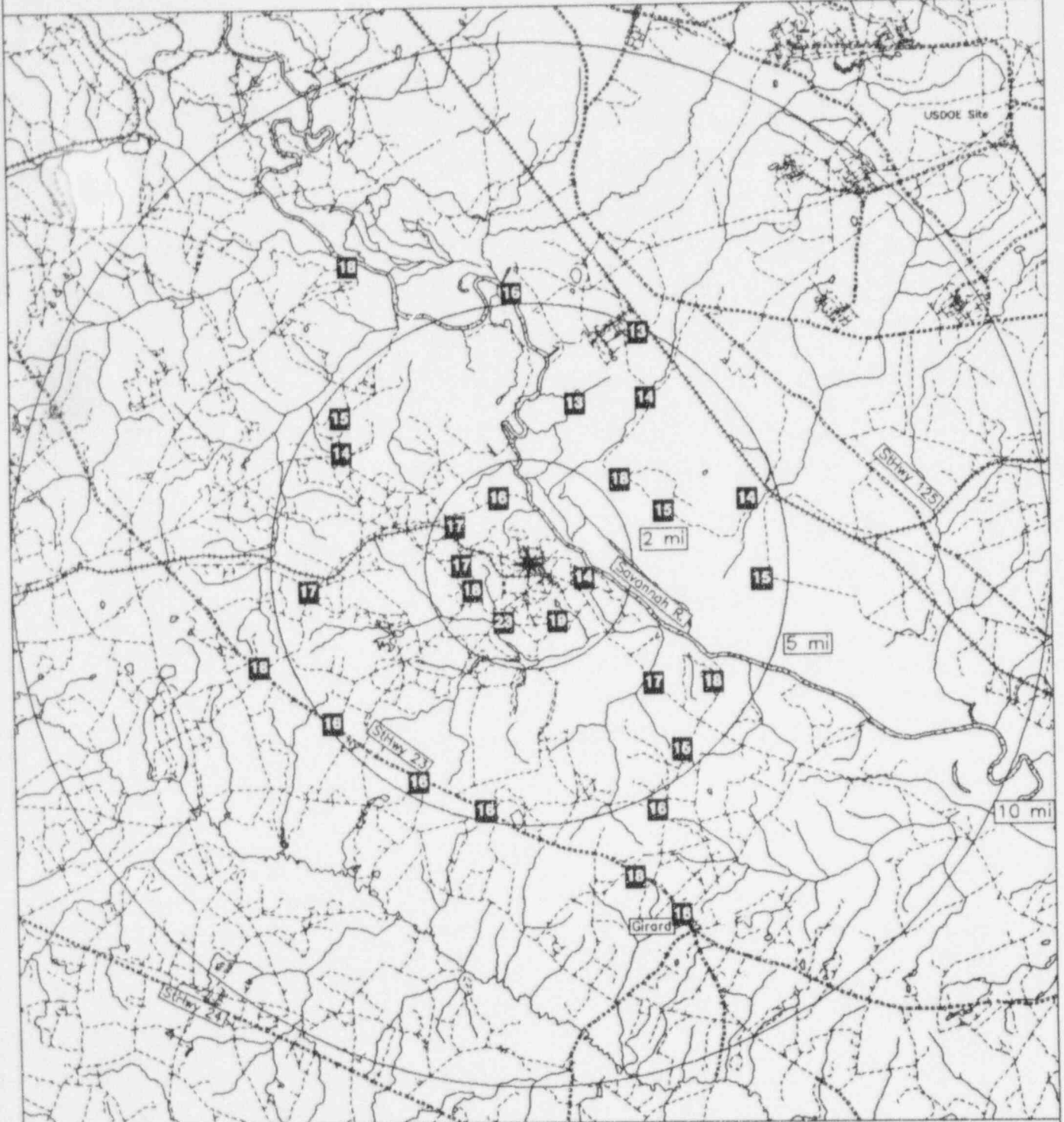
TLD Direct Radiation Environmental Monitoring

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	16.4 +- 2.8	2
123.76 - 146.25 SE	17.0 +- 2.5	3
146.26 - 168.75 SSE	17.3 +- 1.5	4
168.76 - 191.25 S	13.7 +- 4.3	2
191.26 - 213.75 SSW	19.2 +- 5.1	2
213.76 - 236.25 SW	18.1 +- 3.1	2
236.26 - 258.75 WSW	17.6 +- 0.0	2
258.76 - 281.25 W	16.6 +- 0.0	2
281.26 - 303.75 WNW	15.5 +- 1.5	2
303.76 - 326.25 NW	15.9 +- 1.8	2
326.26 - 348.75 NNW	16.7 +- 1.3	2

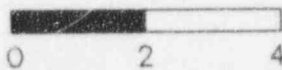
Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	18.2 +- 2.7	10
2 - 5	16.2 +- 1.7	10
> 5	17.1 +- 1.0	5
Upwind Control	19.5 +- 2.1	3



# NRC TLD DOSES FOR VOGTLE AREA



Miles



## Legend



Water



Railroads



Roads



Plant..site

VOGTLE (SC)

TLD Direct Radiation Environmental Monitoring

For the period 950313-950725 135 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
31	357	5.2	24.4 +- 0.7; 3.7	No Net Data	17.5 +- 3.7
32	26	4.9	19.9 +- 0.6; 3.0	No Net Data	12.4 +- 2.7
33	17	3.2	20.0 +- 0.6; 3.0	No Net Data	12.7 +- 2.4
34	36	3.9	21.1 +- 0.6; 3.2	No Net Data	13.9 +- 2.3
35	48	2.4	27.5 +- 0.8; 4.1	No Net Data	18.6 +- 2.8
36	69	2.8	22.9 +- 0.7; 3.4	No Net Data	14.5 +- 2.7
37	74	4.4	21.1 +- 0.6; 3.2	No Net Data	14.1 +- 4.1
38	94	4.5	22.3 +- 0.7; 3.3	No Net Data	13.7 +- 2.7

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

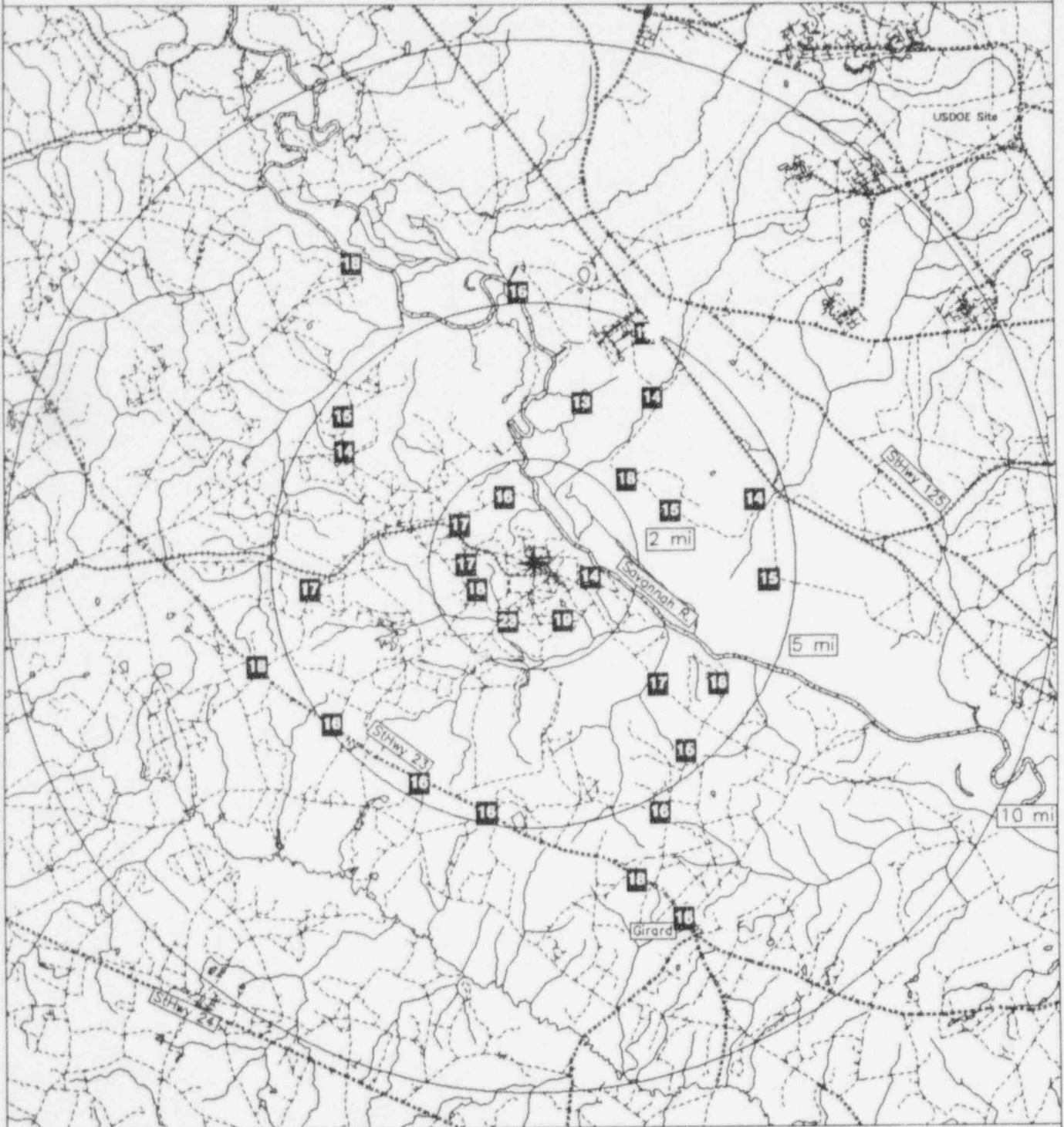
VOGTLE (SC)  
For the period 950313-950725

TLD Direct Radiation Environmental Monitoring

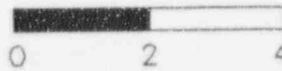
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	16.3 +- 0.0	1
11.26 - 33.75 NNE	13.3 +- 0.1	2
33.76 - 56.25 NE	16.2 +- 3.0	2
56.26 - 78.75 ENE	14.7 +- 0.9	2
78.76 - 101.25 E	14.8 +- 0.0	1
101.26 - 123.75 ESE	No Data +- No Data	0
123.76 - 146.25 SE	No Data +- No Data	0
146.26 - 168.75 SSE	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	14.7 +- 1.7	7
> 5	16.3 +- 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 950312-950712 123 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	174	12.0	22.8	+- 0.7; 3.4	18.4	+- 0.8; 4.4	17.9	+- 0.9
2	163	11.0	22.4	+- 0.7; 3.4	18.0	+- 0.7; 4.4	17.6	+- 1.0
3	161	9.0	21.5	+- 0.6; 3.2	17.1	+- 0.7; 4.3	17.2	+- 0.9
4	152	5.0	24.7	+- 0.7; 3.7	20.2	+- 0.8; 4.7	18.8	+- 1.0
5	195	2.0	22.7	+- 0.7; 3.4	18.3	+- 0.7; 4.4	17.9	+- 0.9
6	220	1.5	23.2	+- 0.7; 3.5	18.8	+- 0.8; 4.5	18.1	+- 1.4
7	92	3.0	23.3	+- 0.7; 3.5	18.8	+- 0.8; 4.5	19.2	+- 1.3
8	155	1.0	21.3	+- 0.6; 3.2	16.9	+- 0.7; 4.3	17.2	+- 1.3
9	130	0.5	22.1	+- 0.7; 3.3	17.7	+- 0.7; 4.4	18.2	+- 1.1
10	70	0.5	23.1	+- 0.7; 3.5	18.7	+- 0.8; 4.5	18.4	+- 1.4
11	25	0.8	23.7	+- 0.7; 3.5	19.2	+- 0.8; 4.5	18.4	+- 1.0
12	315	0.5	23.4	+- 0.7; 3.5	18.9	+- 0.8; 4.5	18.7	+- 1.4
13	290	0.5	25.0	+- 0.8; 3.8	20.6	+- 0.8; 4.7	22.5	+- 3.1
14	270	0.5	23.4	+- 0.7; 3.5	19.0	+- 0.8; 4.5	18.4	+- 1.3
15	245	1.8	24.1	+- 0.7; 3.6	19.6	+- 0.8; 4.6	18.6	+- 1.0
16	285	3.0	22.4	+- 0.7; 3.4	18.0	+- 0.7; 4.4	19.0	+- 1.2
17	240	4.0	22.3	+- 0.7; 3.3	17.9	+- 0.7; 4.4	17.3	+- 1.3
18	198	7.0	21.0	+- 0.6; 3.2	16.6	+- 0.7; 4.3	17.1	+- 1.4
19	173	8.5	22.8	+- 0.7; 3.4	18.4	+- 0.8; 4.4	18.3	+- 1.0
20	150	20.0	23.5	+- 0.7; 3.5	19.1	+- 0.8; 4.5	18.4	+- 1.0
21	114	7.0	22.3	+- 0.7; 3.3	17.9	+- 0.7; 4.4	18.6	+- 1.4
22	120	8.0	22.8	+- 0.7; 3.4	18.4	+- 0.7; 4.4	17.9	+- 1.0
23	134	6.0	24.7	+- 0.7; 3.7	20.2	+- 0.8; 4.7	20.2	+- 1.4
24	110	4.0	28.1	+- 0.8; 4.2	23.5	+- 0.9; 5.1	22.1	+- 1.3
25	85	5.0	23.3	+- 0.7; 3.5	18.9	+- 0.8; 4.5	18.8	+- 1.3
26	65	5.0	25.7	+- 0.8; 3.0	21.2	+- 0.8; 4.8	20.4	+- 1.5
27	53	4.0	23.6	+- 0.7; 3.5	19.2	+- 0.8; 4.5	18.1	+- 1.3
28	44	3.0	23.6	+- 0.7; 3.5	19.2	+- 0.8; 4.5	20.0	+- 1.6
29	33	10.0	23.5	+- 0.7; 3.5	19.1	+- 0.8; 4.5	18.5	+- 1.8
30	8	9.5	24.5	+- 0.7; 3.7	20.1	+- 0.8; 4.6	19.7	+- 1.5
31	215	15.0	22.6	+- 0.7; 3.4	18.1	+- 0.7; 4.4	17.5	+- 1.2

Transit Dose: = 4.0 +- 0.3; 3.0

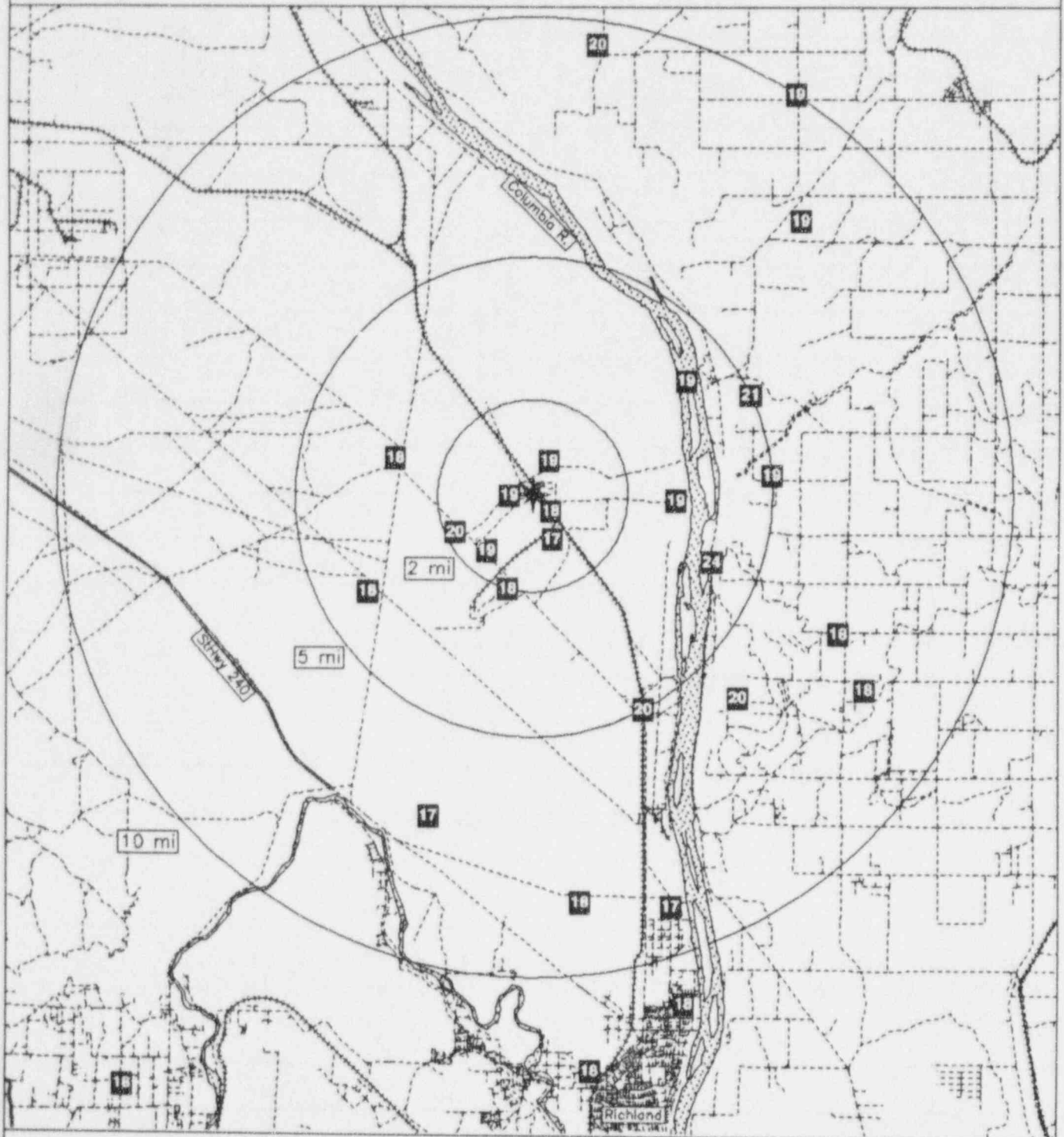
WASHINGTON NUCLEAR 2  
For the period 950312-950712

## TLD Direct Radiation Environmental Monitoring

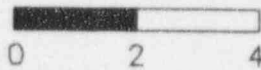
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	20.1 +- 0.0	1
11.26 - 33.75 NNE	19.2 +- 0.1	2
33.76 - 56.25 NE	19.2 +- 0.0	2
56.26 - 78.75 ENE	19.9 +- 1.7	2
78.76 - 101.25 E	18.9 +- 0.0	2
101.26 - 123.75 ESE	19.9 +- 3.1	3
123.76 - 146.25 SE	18.9 +- 1.8	2
146.26 - 168.75 SSE	18.2 +- 1.4	5
168.76 - 191.25 S	18.4 +- 0.0	1
191.26 - 213.75 SSW	17.4 +- 1.2	2
213.76 - 236.25 SW	18.8 +- 0.0	1
236.26 - 258.75 WSW	18.7 +- 1.2	2
258.76 - 281.25 W	19.0 +- 0.0	1
281.26 - 303.75 WNW	19.3 +- 1.8	2
303.76 - 326.25 NW	18.9 +- 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	18.8 +- 1.0	10
2 - 5	19.7 +- 1.9	8
> 5	18.5 +- 1.1	11
Upwind Control	18.3 +- 0.2	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 950312-950712 123 Days

Field Time: 84 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	101	0.4	15.9	+- 0.5; 2.4	14.2	+- 0.6; 3.8	15.6	+- 1.7
2	116	1.1	15.2	+- 0.5; 2.3	13.5	+- 0.6; 3.7	15.1	+- 2.2
3	132	1.3	20.3	+- 0.6; 3.0	19.0	+- 0.7; 4.3	17.5	+- 2.1
4	160	1.8	15.7	+- 0.5; 2.4	14.1	+- 0.6; 3.8	15.3	+- 1.8
5	183	1.4	17.3	+- 0.5; 2.6	15.8	+- 0.6; 4.0	15.2	+- 1.8
6	202	1.2	17.2	+- 0.5; 2.6	15.7	+- 0.6; 4.0	15.5	+- 1.9
7	226	1.2	16.9	+- 0.5; 2.5	15.4	+- 0.6; 3.9	15.1	+- 1.7
8	248	1.3	18.3	+- 0.5; 2.7	16.9	+- 0.7; 4.1	17.0	+- 1.7
9	265	1.9	16.0	+- 0.5; 2.4	14.3	+- 0.6; 3.8	14.3	+- 2.3
10	186	4.2	18.4	+- 0.6; 2.8	17.0	+- 0.7; 4.1	16.9	+- 1.9
11	315	4.4	17.1	+- 0.5; 2.6	15.5	+- 0.6; 3.9	15.9	+- 1.9
12	328	4.1	19.4	+- 0.6; 2.9	18.1	+- 0.7; 4.2	16.9	+- 1.9
13	309	0.8	17.7	+- 0.5; 2.6	16.2	+- 0.6; 4.0	14.9	+- 1.6
14	273	0.9	Missing Dosimeter		No Net Data		17.0	+- 2.6
15	292	0.8	14.0	+- 0.4; 2.1	12.3	+- 0.5; 3.6	13.4	+- 1.6
16	335	0.5	15.6	+- 0.5; 2.3	13.9	+- 0.6; 3.8	13.5	+- 1.5
17	120	4.3	16.6	+- 0.5; 2.5	15.0	+- 0.6; 3.9	13.6	+- 1.9
18	145	3.5	16.2	+- 0.5; 2.4	14.6	+- 0.6; 3.8	14.5	+- 1.3
19	153	8.1	16.5	+- 0.5; 2.5	15.0	+- 0.6; 3.9	15.8	+- 1.7
20	133	8.1	16.6	+- 0.5; 2.5	15.0	+- 0.6; 3.9	15.8	+- 1.8
21	116	6.7	17.5	+- 0.5; 2.6	15.9	+- 0.6; 4.0	14.8	+- 2.0
22	95	4.3	17.3	+- 0.5; 2.6	15.8	+- 0.6; 4.0	15.1	+- 1.6
23	86	2.6	17.6	+- 0.5; 2.6	16.1	+- 0.6; 4.0	14.9	+- 1.8
24	66	4.2	19.4	+- 0.6; 2.9	18.0	+- 0.7; 4.2	18.0	+- 1.9
25	37	3.5	19.1	+- 0.6; 2.9	17.7	+- 0.7; 4.2	16.4	+- 1.7
26	23	3.8	16.2	+- 0.5; 2.4	14.6	+- 0.6; 3.8	14.1	+- 1.9
27	350	4.9	17.0	+- 0.5; 2.6	15.5	+- 0.6; 3.9	15.2	+- 1.8
28	335	5.0	17.3	+- 0.5; 2.6	15.7	+- 0.6; 4.0	15.5	+- 1.7
29	6	2.8	15.6	+- 0.5; 2.3	13.9	+- 0.6; 3.8	13.8	+- 1.9
30	356	1.1	19.4	+- 0.6; 2.9	18.0	+- 0.7; 4.2	15.3	+- 2.4
31	15	0.8	16.5	+- 0.5; 2.5	14.9	+- 0.6; 3.9	15.9	+- 2.2
32	40	0.8	14.5	+- 0.4; 2.2	12.8	+- 0.6; 3.7	13.7	+- 2.2
33	69	1.1	Missing Dosimeter		No Net Data		15.3	+- 2.8
34	292	15.0	15.3	+- 0.5; 2.3	13.6	+- 0.6; 3.7	15.3	+- 1.9
35	282	27.0	18.7	+- 0.6; 2.8	17.2	+- 0.7; 4.1	17.5	+- 2.2
36	268	21.0	14.6	+- 0.4; 2.2	12.9	+- 0.6; 3.7	14.3	+- 2.1

Transit Dose = 2.6 +- 0.3; 2.6



## WATERFORD

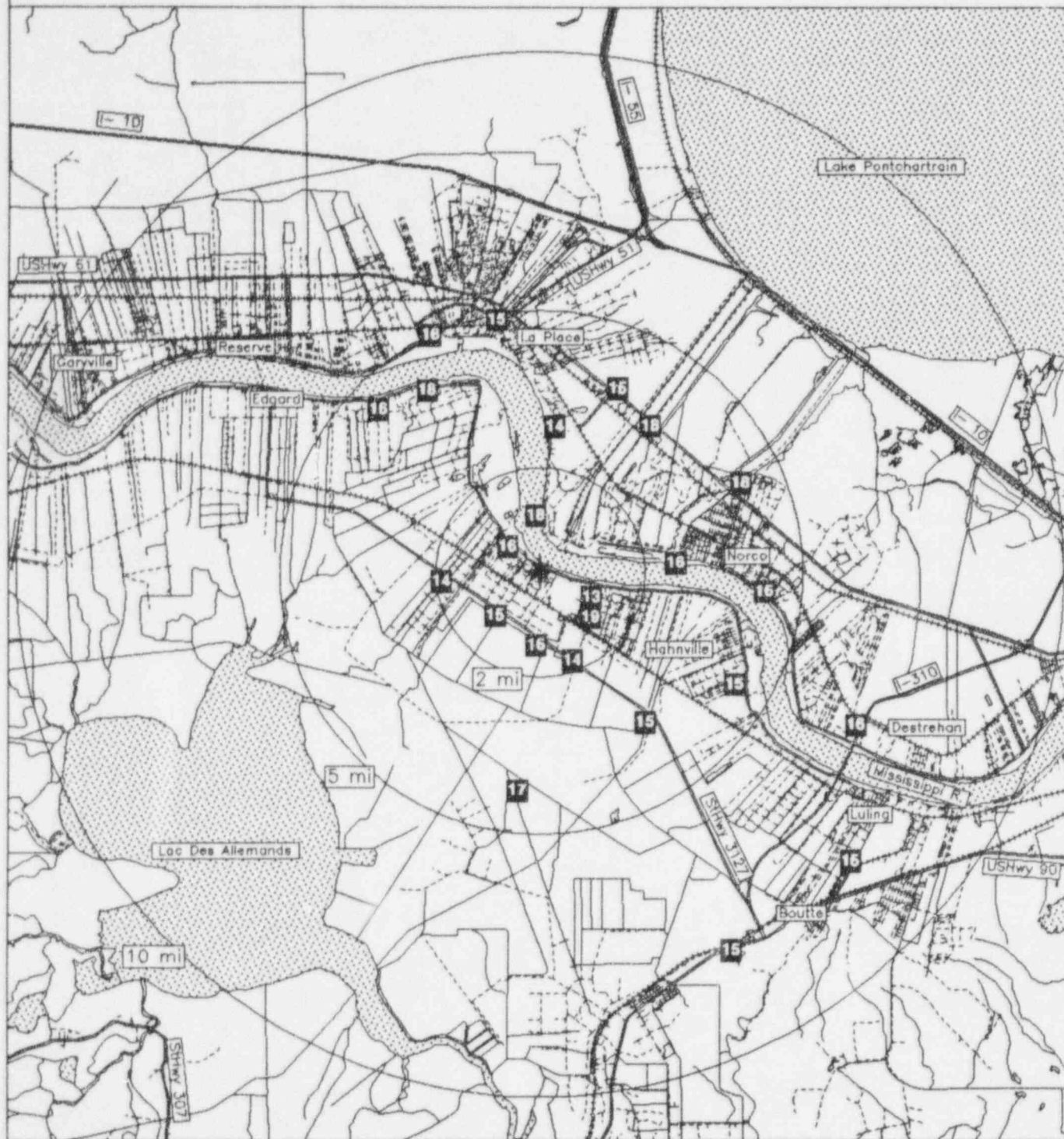
For the period 950312-950712

## TLD Direct Radiation Environmental Monitoring

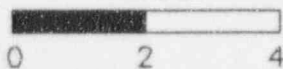
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	15.8 +- 2.1	3
11.26 - 33.75 NNE	14.7 +- 0.2	2
33.76 - 56.25 NE	15.3 +- 3.5	2
56.26 - 78.75 ENE	18.0 +- 0.0	1
78.76 - 101.25 E	15.4 +- 1.0	3
101.26 - 123.75 ESE	14.8 +- 1.2	3
123.76 - 146.25 SE	16.2 +- 2.4	3
146.26 - 168.75 SSE	14.5 +- 0.6	2
168.76 - 191.25 S	16.4 +- 0.8	2
191.26 - 213.75 SSW	15.7 +- 0.0	1
213.76 - 236.25 SW	15.4 +- 0.0	1
236.26 - 258.75 WSW	16.9 +- 0.0	1
258.76 - 281.25 W	14.3 +- 0.0	1
281.26 - 303.75 WNW	12.3 +- 0.0	1
303.76 - 326.25 NW	15.8 +- 0.4	2
326.26 - 348.75 NNW	15.9 +- 2.1	3

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	15.1 +- 1.9	15
2 - 5	16.0 +- 1.4	13
> 5	15.3 +- 0.5	3
Upwind Control	14.6 +- 2.3	3

# NRC TLD DOSES FOR WATERFORD AREA



Miles



### Legend

Water

Railroads

Plant..site

Highways

Roads

## WATTS BAR

TLD Direct Radiation Environmental Monitoring

For the period 950313-950711 121 Days

Field Time: 91 Days

NRC Sta	Location Azimuth/Dist (Deg)/(Mi)	Gross Exposure (mR) +-Rdm; Tot.	Net Exposure Rate (mR/Std. Qtr.) +-Rdm; Tot.	Hist. Range Net Exp Rate +-1 Std Dev
1	337 0.9	20.0 +- 0.6; 3.0	19.8 +- 0.6; 3.9	17.0 +- 2.2
2	314 2.1	19.7 +- 0.6; 3.0	19.5 +- 0.6; 3.9	17.2 +- 2.3
3	297 1.9	19.8 +- 0.6; 3.0	19.6 +- 0.6; 3.9	17.1 +- 2.4
4	272 2.0	19.6 +- 0.6; 2.9	19.4 +- 0.6; 3.9	16.5 +- 2.3
5	251 1.9	22.1 +- 0.7; 3.3	21.8 +- 0.7; 4.2	18.8 +- 2.4
6	235 1.8	21.1 +- 0.6; 3.2	20.8 +- 0.7; 4.0	20.3 +- 2.7
7	230 3.8	22.4 +- 0.7; 3.4	22.1 +- 0.7; 4.2	19.2 +- 2.4
8	208 3.6	21.1 +- 0.6; 3.2	20.9 +- 0.7; 4.1	17.9 +- 2.4
9	249 4.2	22.7 +- 0.7; 3.4	22.4 +- 0.7; 4.2	15.5 +- 2.4
10	266 3.1	20.2 +- 0.6; 3.0	19.9 +- 0.6; 3.9	16.6 +- 2.3
11	289 3.3	16.9 +- 0.5; 2.5	16.7 +- 0.5; 3.6	14.1 +- 2.1
12	310 4.7	17.3 +- 0.5; 2.6	17.1 +- 0.5; 3.6	14.4 +- 2.2
13	337 3.6	19.6 +- 0.6; 2.9	19.4 +- 0.6; 3.9	15.3 +- 2.8
14	330 7.0	18.3 +- 0.5; 2.7	18.1 +- 0.6; 3.7	15.1 +- 2.1
15	350 4.7	20.1 +- 0.6; 3.0	19.9 +- 0.6; 3.9	18.4 +- 2.6
16	7 1.1	24.3 +- 0.7; 3.6	24.0 +- 0.7; 4.4	19.9 +- 2.6
17	23 1.6	16.9 +- 0.5; 2.5	16.8 +- 0.5; 3.6	13.2 +- 2.3
18	41 2.3	18.8 +- 0.6; 2.8	18.6 +- 0.6; 3.8	15.9 +- 2.3
19	69 1.3	21.4 +- 0.6; 3.2	21.2 +- 0.7; 4.1	18.5 +- 2.2
20	89 1.2	20.6 +- 0.6; 3.1	20.4 +- 0.6; 4.0	19.7 +- 2.6
21	114 1.1	19.2 +- 0.6; 2.9	19.0 +- 0.6; 3.8	15.7 +- 2.3
22	141 1.0	20.6 +- 0.6; 3.1	20.4 +- 0.6; 4.0	19.0 +- 2.4
23	163 1.1	Damaged Dosimeter	No Net Data	21.8 +- 2.5
24	187 1.1	22.7 +- 0.7; 3.4	22.5 +- 0.7; 4.2	17.9 +- 2.8
25	203 1.2	16.2 +- 0.5; 2.4	16.1 +- 0.5; 3.5	17.7 +- 2.9
26	184 5.9	22.2 +- 0.7; 3.3	22.0 +- 0.7; 4.2	17.9 +- 3.0
27	176 4.5	20.7 +- 0.6; 3.1	20.5 +- 0.6; 4.0	17.2 +- 2.5
28	161 3.5	18.8 +- 0.6; 2.8	18.6 +- 0.6; 3.8	16.0 +- 2.2
29	144 3.0	19.0 +- 0.6; 2.9	18.8 +- 0.6; 3.8	16.5 +- 2.4
30	117 3.1	19.4 +- 0.6; 2.9	19.2 +- 0.6; 3.9	15.7 +- 2.5
31	97 4.0	19.3 +- 0.6; 2.9	19.1 +- 0.6; 3.8	16.2 +- 2.3
32	76 4.1	16.9 +- 0.5; 2.5	16.7 +- 0.5; 3.6	13.8 +- 2.4
33	32 4.1	19.2 +- 0.6; 2.9	18.9 +- 0.6; 3.8	16.8 +- 2.3
34	36 4.7	15.4 +- 0.5; 2.3	15.3 +- 0.5; 3.4	13.7 +- 2.2
35	38 19.0	19.2 +- 0.6; 2.9	19.0 +- 0.6; 3.8	15.5 +- 2.4
36	38 19.0	17.9 +- 0.5; 2.7	17.8 +- 0.6; 3.7	16.6 +- 3.6
37	38 19.0	20.0 +- 0.6; 3.0	19.8 +- 0.6; 3.9	17.1 +- 2.3

Transit Dose = 0.0 +- 0.2; 2.6

## WATTS BAR

For the period 950313-950711

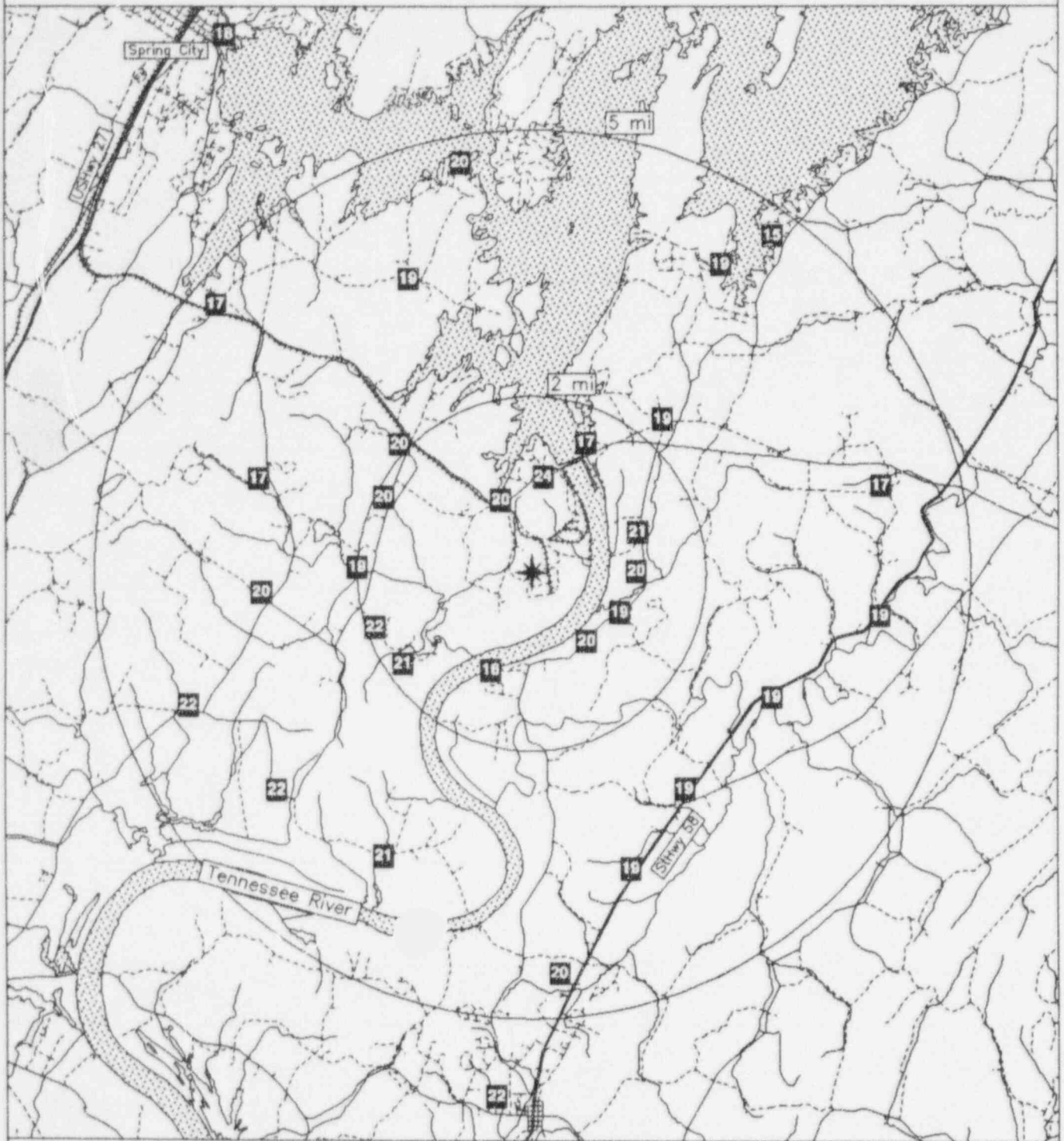
## TLD Direct Radiation Environmental Monitoring

Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	22.0 +- 2.9	2
11.26 - 33.75 NNE	17.9 +- 1.5	2
33.76 - 56.25 NE	17.0 +- 2.4	2
56.26 - 78.75 ENE	18.9 +- 3.2	2
78.76 - 101.25 E	19.7 +- 1.0	2
101.26 - 123.75 ESE	19.1 +- 0.1	2
123.76 - 146.25 SE	19.6 +- 1.1	2
146.26 - 168.75 SSE	18.6 +- 0.0	1
168.76 - 191.25 S	21.6 +- 1.0	3
191.26 - 213.75 SSW	18.5 +- 3.4	2
213.76 - 236.25 SW	21.5 +- 0.9	2
236.26 - 258.75 WSW	22.1 +- 0.4	2
258.76 - 281.25 W	19.6 +- 0.4	2
281.26 - 303.75 WNW	18.1 +- 2.1	2
303.76 - 326.25 NW	18.3 +- 1.7	2
326.26 - 348.75 NNW	19.1 +- 0.9	3

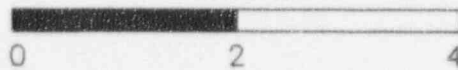
Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	20.1 +- 2.1	13
2 - 5	19.1 +- 1.8	18
> 5	20.0 +- 2.8	2
Upwind Control	18.8 +- 1.0	3



# 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 950312-950712 123 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	316	2.9	23.1	+- 0.7; 3.5	19.3	+- 0.8; 4.4	19.4	+- 1.6
2	330	1.8	22.2	+- 0.7; 3.3	18.4	+- 0.7; 4.3	18.3	+- 1.3
3	360	2.8	21.4	+- 0.6; 3.2	17.6	+- 0.7; 4.3	18.6	+- 1.5
4	355	1.6	21.9	+- 0.7; 3.3	18.1	+- 0.7; 4.3	19.2	+- 1.3
5	31	1.8	22.6	+- 0.7; 3.4	18.8	+- 0.7; 4.4	19.4	+- 1.4
6	47	2.0	19.3	+- 0.6; 2.9	15.5	+- 0.7; 4.0	16.9	+- 1.6
7	70	1.6	22.0	+- 0.7; 3.3	18.2	+- 0.7; 4.3	17.9	+- 1.5
8	90	1.7	23.6	+- 0.7; 3.5	19.8	+- 0.8; 4.5	20.0	+- 1.5
9	111	2.4	23.1	+- 0.7; 3.5	19.3	+- 0.8; 4.4	19.3	+- 1.4
10	137	2.5	23.0	+- 0.7; 3.4	19.2	+- 0.7; 4.4	19.0	+- 1.4
11	157	3.4	25.2	+- 0.8; 3.8	21.3	+- 0.8; 4.7	20.4	+- 1.4
12	184	3.3	22.9	+- 0.7; 3.4	19.1	+- 0.7; 4.4	19.9	+- 1.3
13	213	2.9	18.1	+- 0.5; 2.7	14.4	+- 0.6; 3.9	19.3	+- 1.5
14	233	2.4	23.0	+- 0.7; 3.5	19.2	+- 0.7; 4.4	19.6	+- 1.6
15	248	2.2	22.2	+- 0.7; 3.3	18.4	+- 0.7; 4.3	19.1	+- 1.3
16	278	2.1	22.3	+- 0.7; 3.3	18.5	+- 0.7; 4.4	19.4	+- 1.1
17	270	3.4	18.6	+- 0.6; 2.8	14.8	+- 0.6; 4.0	15.7	+- 1.3
18	263	4.2	24.7	+- 0.7; 3.7	20.9	+- 0.8; 4.6	21.2	+- 1.7
19	257	5.0	23.4	+- 0.7; 3.5	19.6	+- 0.8; 4.5	19.3	+- 1.5
20	280	3.9	21.1	+- 0.6; 3.2	17.4	+- 0.7; 4.2	18.2	+- 1.4
21	298	3.9	22.6	+- 0.7; 3.4	18.8	+- 0.7; 4.4	19.5	+- 1.2
22	319	4.8	20.5	+- 0.6; 3.1	16.7	+- 0.7; 4.2	17.7	+- 1.5
23	332	5.0	22.6	+- 0.7; 3.4	18.8	+- 0.7; 4.4	19.0	+- 1.5
24	19	3.9	22.4	+- 0.7; 3.4	18.6	+- 0.7; 4.4	19.3	+- 1.2
25	35	4.4	19.2	+- 0.6; 2.9	15.5	+- 0.6; 4.0	16.8	+- 1.1
26	67	4.3	21.2	+- 0.6; 3.2	17.4	+- 0.7; 4.2	17.9	+- 1.5
27	88	4.1	23.8	+- 0.7; 3.6	20.0	+- 0.8; 4.5	19.1	+- 1.9
28	110	4.5	23.3	+- 0.7; 3.5	19.5	+- 0.8; 4.5	19.6	+- 1.2
29	128	4.4	23.6	+- 0.7; 3.5	19.8	+- 0.8; 4.5	19.8	+- 1.7
30	112	16.0	18.9	+- 0.6; 2.8	15.2	+- 0.6; 4.0	16.9	+- 1.6
31	127	9.4	20.0	+- 0.6; 3.0	16.3	+- 0.7; 4.1	16.7	+- 1.2
32	62	11.0	19.2	+- 0.6; 2.9	15.4	+- 0.6; 4.0	17.1	+- 1.6
33	153	5.2	22.0	+- 0.7; 3.3	18.2	+- 0.7; 4.3	18.5	+- 1.5
34	174	4.7	25.2	+- 0.8; 3.8	21.3	+- 0.8; 4.7	20.0	+- 1.6
35	197	5.2	25.0	+- 0.8; 3.8	21.2	+- 0.8; 4.7	20.3	+- 1.8
36	224	4.8	21.9	+- 0.7; 3.3	18.1	+- 0.7; 4.3	18.1	+- 1.1
37	220	14.0	19.1	+- 0.6; 2.9	15.4	+- 0.6; 4.0	15.4	+- 1.1
38	253	6.5	25.4	+- 0.8; 3.8	21.6	+- 0.8; 4.7	20.0	+- 1.5
39	278	10.0	21.1	+- 0.6; 3.2	17.3	+- 0.7; 4.2	18.7	+- 1.5
40	285	15.0	20.1	+- 0.6; 3.0	16.4	+- 0.7; 4.1	16.6	+- 1.2
41	292	6.7	19.9	+- 0.6; 3.0	16.2	+- 0.7; 4.1	18.0	+- 1.5
42	345	13.0	24.0	+- 0.7; 3.6	20.2	+- 0.8; 4.5	20.0	+- 1.4
43	5	7.5	20.5	+- 0.6; 3.1	16.7	+- 0.7; 4.2	19.3	+- 1.4
44	20	8.3	22.9	+- 0.7; 3.4	19.1	+- 0.7; 4.4	19.7	+- 1.1
45	315	7.5	24.1	+- 0.7; 3.6	20.2	+- 0.8; 4.6	20.7	+- 1.4
46	341	7.7	23.2	+- 0.7; 3.5	19.4	+- 0.8; 4.5	19.9	+- 1.3
47	355	1.0	22.3	+- 0.7; 3.3	18.5	+- 0.7; 4.4	18.2	+- 1.3

Transit Dose = 3.4 +- 0.3; 2.9

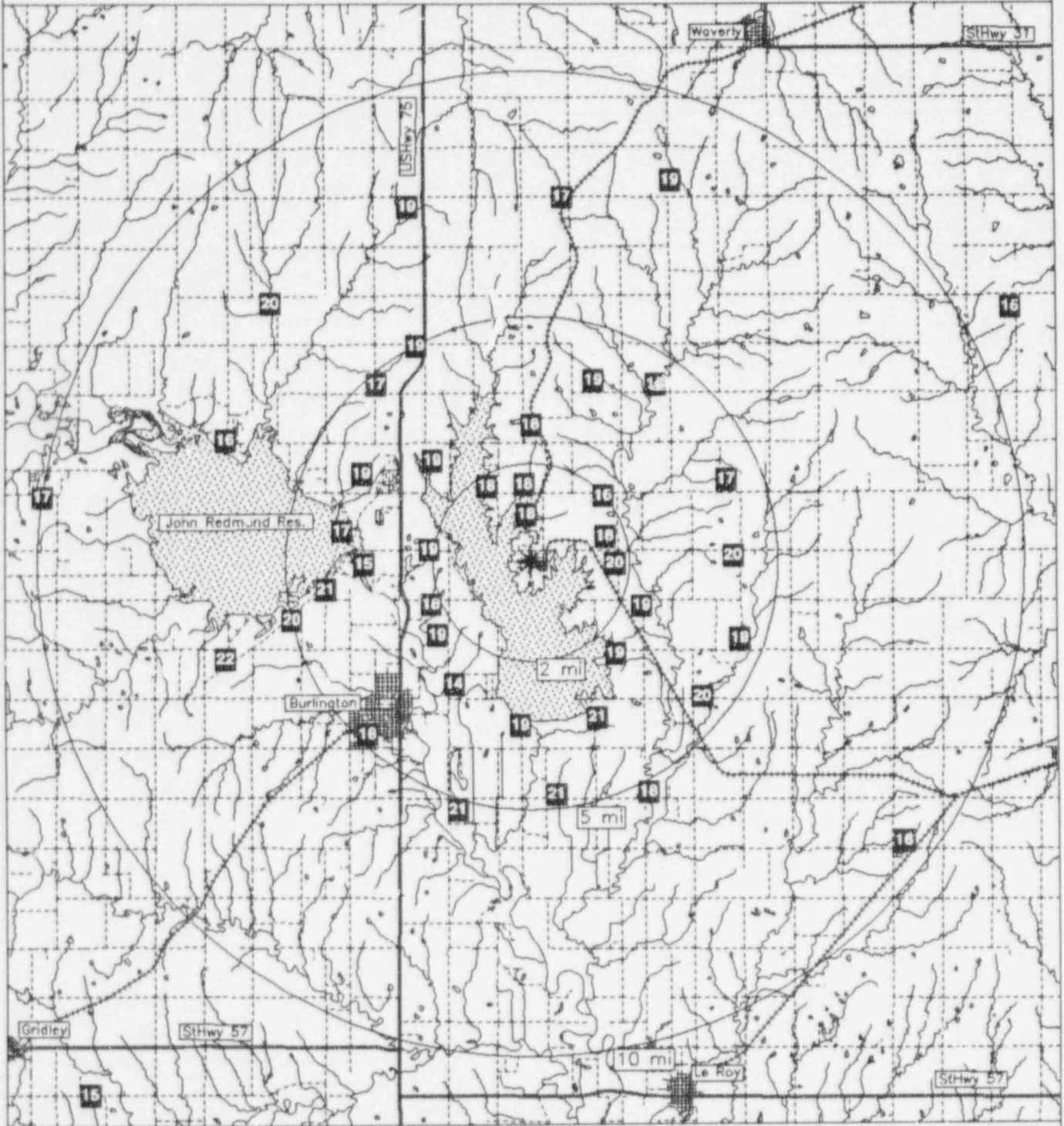
WOLF CREEK  
For the period 950312-950712

## TLD Direct Radiation Environmental Monitoring

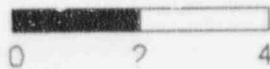
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	17.7 +- 0.8	4
11.26 - 33.75 NNE	18.8 +- 0.2	3
33.76 - 56.25 NE	15.5 +- 0.0	2
56.26 - 78.75 ENE	17.0 +- 1.4	3
78.76 - 101.25 E	19.9 +- 0.1	2
101.26 - 123.75 ESE	18.0 +- 2.4	3
123.76 - 146.25 SE	18.4 +- 1.9	3
146.26 - 168.75 SSE	19.8 +- 2.2	2
168.76 - 191.25 S	20.2 +- 1.6	2
191.26 - 213.75 SSW	17.8 +- 4.8	2
213.76 - 236.25 SW	17.6 +- 2.0	3
236.26 - 258.75 WSW	19.9 +- 1.6	3
258.76 - 281.25 W	17.8 +- 2.2	5
281.26 - 303.75 WNW	17.1 +- 1.5	3
303.76 - 326.25 NW	18.7 +- 1.8	3
326.26 - 348.75 NNW	19.2 +- 0.8	4

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	18.2 +- 1.3	7
2 - 5	18.5 +- 1.8	25
> 5	17.9 +- 2.2	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 950315-950725 133 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	0	0.8	22.8	+- 0.7; 3.4	17.2	+- 0.8; 4.5	18.3	+- 2.0
2	265	14.0	21.6	+- 0.6; 3.2	16.0	+- 0.7; 4.3	15.9	+- 1.6
3	137	12.0	21.2	+- 0.6; 3.2	15.6	+- 0.7; 4.3	16.1	+- 1.7
5	85	2.2	21.6	+- 0.6; 3.2	16.1	+- 0.7; 4.3	15.3	+- 1.8
6	118	2.6	21.9	+- 0.7; 3.3	16.4	+- 0.7; 4.4	15.3	+- 1.6
7	137	2.1	23.7	+- 0.7; 3.6	18.1	+- 0.8; 4.6	17.2	+- 1.8
8	153	1.7	22.8	+- 0.7; 3.4	17.2	+- 0.8; 4.5	15.9	+- 1.2
9	176	1.1	20.7	+- 0.6; 3.1	15.2	+- 0.7; 4.3	15.8	+- 1.4
10	203	0.5	23.7	+- 0.7; 3.5	18.0	+- 0.8; 4.6	16.7	+- 2.0
11	219	0.6	22.8	+- 0.7; 3.4	17.2	+- 0.8; 4.5	16.7	+- 1.4
12	239	1.1	20.8	+- 0.6; 3.1	15.2	+- 0.7; 4.3	19.2	+- 2.4
13	272	1.8	22.9	+- 0.7; 3.4	17.3	+- 0.8; 4.5	17.5	+- 2.1
14	292	1.3	25.2	+- 0.8; 3.8	19.5	+- 0.8; 4.7	17.8	+- 2.0
15	315	1.6	25.8	+- 0.8; 3.9	20.1	+- 0.8; 4.8	18.2	+- 2.0
16	348	1.4	24.9	+- 0.7; 3.7	19.3	+- 0.8; 4.7	17.7	+- 1.7
17	358	2.8	23.7	+- 0.7; 3.6	18.1	+- 0.8; 4.6	16.7	+- 1.9
18	21	2.8	18.6	+- 0.6; 2.8	13.2	+- 0.7; 4.0	15.3	+- 1.8
19	43	5.8	22.0	+- 0.7; 3.3	16.5	+- 0.7; 4.4	16.6	+- 1.4
20	75	6.0	25.4	+- 0.8; 3.8	19.7	+- 0.8; 4.8	17.7	+- 2.0
21	98	6.0	21.4	+- 0.6; 3.2	15.8	+- 0.7; 4.3	14.6	+- 1.4
22	104	5.2	20.8	+- 0.6; 3.1	15.3	+- 0.7; 4.3	13.5	+- 1.3
23	133	5.7	21.3	+- 0.6; 3.2	15.7	+- 0.7; 4.3	13.7	+- 1.6
24	157	7.5	19.8	+- 0.6; 3.0	14.3	+- 0.7; 4.2	14.2	+- 1.8
25	184	6.3	22.9	+- 0.7; 3.4	17.3	+- 0.8; 4.5	16.2	+- 1.8
27	225	5.9	24.1	+- 0.7; 3.6	18.5	+- 0.8; 4.6	17.0	+- 1.7
29	269	3.5	24.8	+- 0.7; 3.7	19.1	+- 0.8; 4.7	17.1	+- 2.0
32	342	3.3	Missing Dosimeter		No Net Data		16.9	+- 1.7
34	48	7.3	23.4	+- 0.7; 3.5	17.8	+- 0.8; 4.5	17.2	+- 1.8
35	39	2.3	18.3	+- 0.5; 2.7	12.9	+- 0.6; 4.0	14.1	+- 1.7
47	260	9.6	22.3	+- 0.7; 3.3	16.7	+- 0.7; 4.4	16.5	+- 1.4
48	261	9.0	24.5	+- 0.7; 3.7	18.9	+- 0.8; 4.7	18.5	+- 1.8

Transit Dose = 5.0 +- 0.4; 3.1

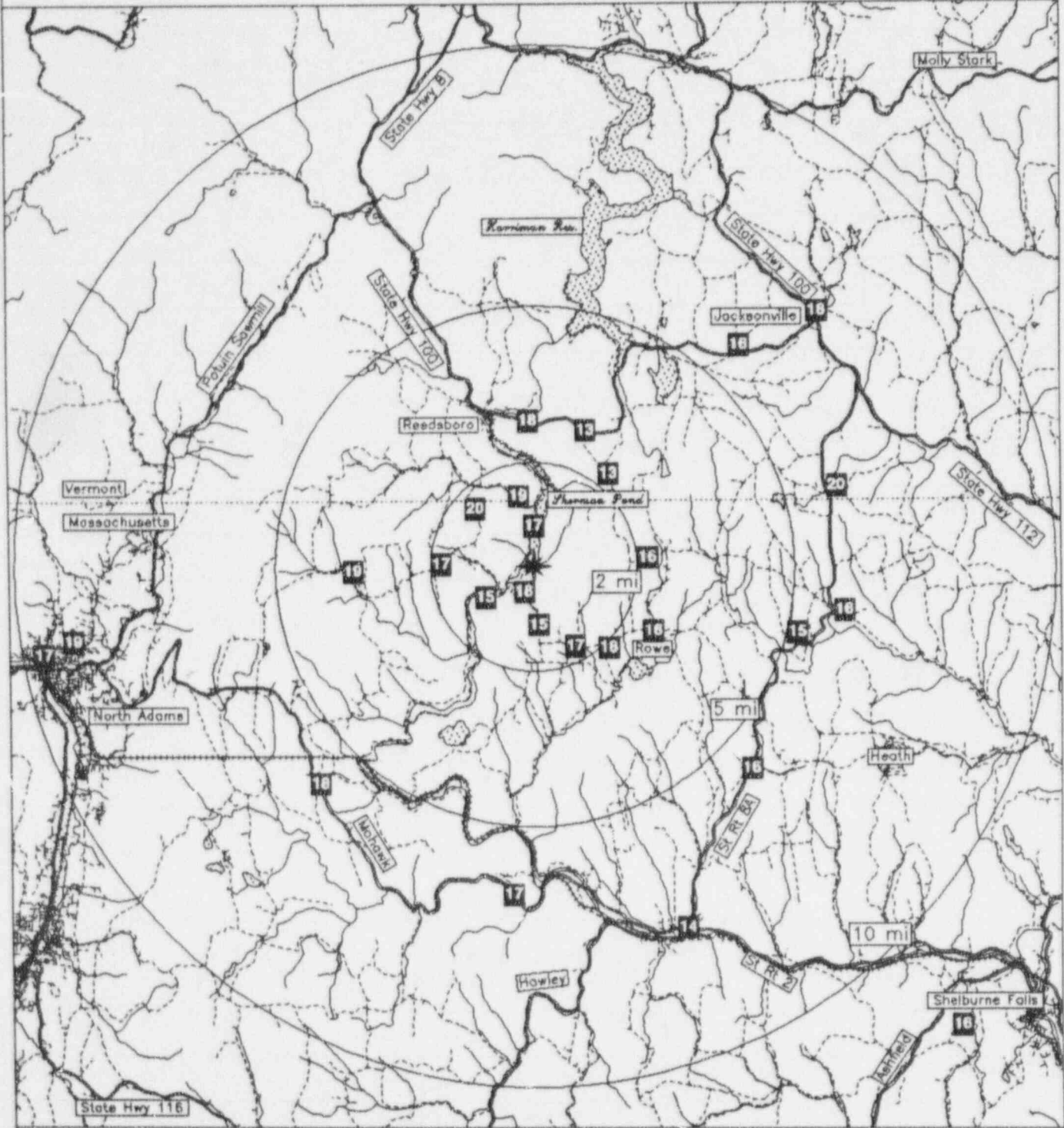
YANKEE ROWE  
For the period 950315-950725

## TLD Direct Radiation Environmental Monitoring

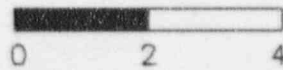
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	17.6 +- 0.6	2
11.26 - 33.75 NNE	13.2 +- 0.0	1
33.76 - 56.25 NE	15.7 +- 2.5	3
56.26 - 78.75 ENE	19.7 +- 0.0	1
78.76 - 101.25 E	15.9 +- 0.2	2
101.26 - 123.75 ESE	15.8 +- 0.8	2
123.76 - 146.25 SE	16.5 +- 1.4	3
146.26 - 168.75 SSE	15.8 +- 2.1	2
168.76 - 191.25 S	16.2 +- 1.5	2
191.26 - 213.75 SSW	18.0 +- 0.0	1
213.76 - 236.25 SW	17.8 +- 0.9	2
236.26 - 258.75 WSW	15.2 +- 0.0	1
258.76 - 281.25 W	17.5 +- 1.5	3
281.26 - 303.75 WNW	19.5 +- 0.0	1
303.76 - 326.25 NW	20.1 +- 0.0	1
326.26 - 348.75 NNW	19.3 +- 0.0	1

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	17.6 +- 1.7	10
2 - 5	16.2 +- 2.4	7
> 5	16.6 +- 1.6	11
Upwind Control	17.8 +- 1.5	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 950313-950725 135 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	310	0.8	Missing Dosimeter	No Net Data	15.3 +- 1.8
2	192	1.0	16.6 +- 0.5; 2.5	12.6 +- 0.5; 3.5	13.1 +- 1.4
3	187	1.9	Missing Dosimeter	No Net Data	14.2 +- 1.6
4	219	2.4	21.4 +- 0.6; 3.2	16.8 +- 0.6; 3.9	17.2 +- 1.5
5	257	1.8	19.2 +- 0.6; 2.9	14.8 +- 0.6; 3.7	17.0 +- 2.0
6	250	1.2	20.9 +- 0.6; 3.1	16.3 +- 0.6; 3.8	16.1 +- 1.5
7	293	1.6	Missing Dosimeter	No Net Data	17.0 +- 1.4
8	310	1.8	Missing Dosimeter	No Net Data	14.9 +- 1.6
9	343	2.6	19.7 +- 0.6; 3.0	15.2 +- 0.6; 3.7	15.4 +- 1.6
10	356	4.5	18.0 +- 0.5; 2.7	13.8 +- 0.5; 3.6	14.7 +- 1.5
11	337	4.5	21.8 +- 0.7; 3.3	17.0 +- 0.6; 3.9	16.6 +- 2.0
12	310	4.0	23.8 +- 0.7; 3.6	18.8 +- 0.7; 4.1	18.7 +- 1.9
13	293	3.5	Missing Dosimeter	No Net Data	19.5 +- 1.7
14	280	4.5	22.9 +- 0.7; 3.4	18.0 +- 0.6; 4.0	18.7 +- 1.6
15	232	3.2	22.6 +- 0.7; 3.4	17.8 +- 0.6; 4.0	17.8 +- 1.8
16	220	3.5	23.2 +- 0.7; 3.5	18.2 +- 0.7; 4.1	18.1 +- 1.4
17	198	4.5	21.0 +- 0.6; 3.1	16.3 +- 0.6; 3.8	16.0 +- 1.6
18	206	2.8	19.0 +- 0.6; 2.8	14.7 +- 0.6; 3.7	15.4 +- 1.6
19	327	1.7	19.5 +- 0.6; 2.9	15.1 +- 0.6; 3.7	15.4 +- 1.7
20	197	15.0	25.5 +- 0.8; 3.8	20.2 +- 0.7; 4.3	18.9 +- 2.0
21	352	7.9	20.1 +- 0.6; 3.0	15.6 +- 0.6; 3.8	15.1 +- 1.5
22	348	9.3	Missing Dosimeter	No Net Data	15.1 +- 1.8
23	336	8.5	22.2 +- 0.7; 3.3	17.4 +- 0.6; 4.0	17.7 +- 2.1
24	314	5.8	22.8 +- 0.7; 3.4	17.9 +- 0.6; 4.0	17.2 +- 1.4
25	220	6.3	21.2 +- 0.6; 3.2	16.6 +- 0.6; 3.9	16.5 +- 1.5
26	195	8.0	19.7 +- 0.6; 2.9	15.2 +- 0.6; 3.7	15.5 +- 1.4
28	197	15.0	24.4 +- 0.7; 3.7	19.3 +- 0.7; 4.2	18.8 +- 1.5
30	320	9.8	25.9 +- 0.8; 3.9	20.6 +- 0.7; 4.3	18.0 +- 1.6
31	229	8.0	21.5 +- 0.6; 3.2	16.8 +- 0.6; 3.9	16.6 +- 1.4
32	193	15.0	24.7 +- 0.7; 3.7	19.6 +- 0.7; 4.2	19.0 +- 1.6

Transit Dose = 1.9 +- 0.3; 3.2



ZION

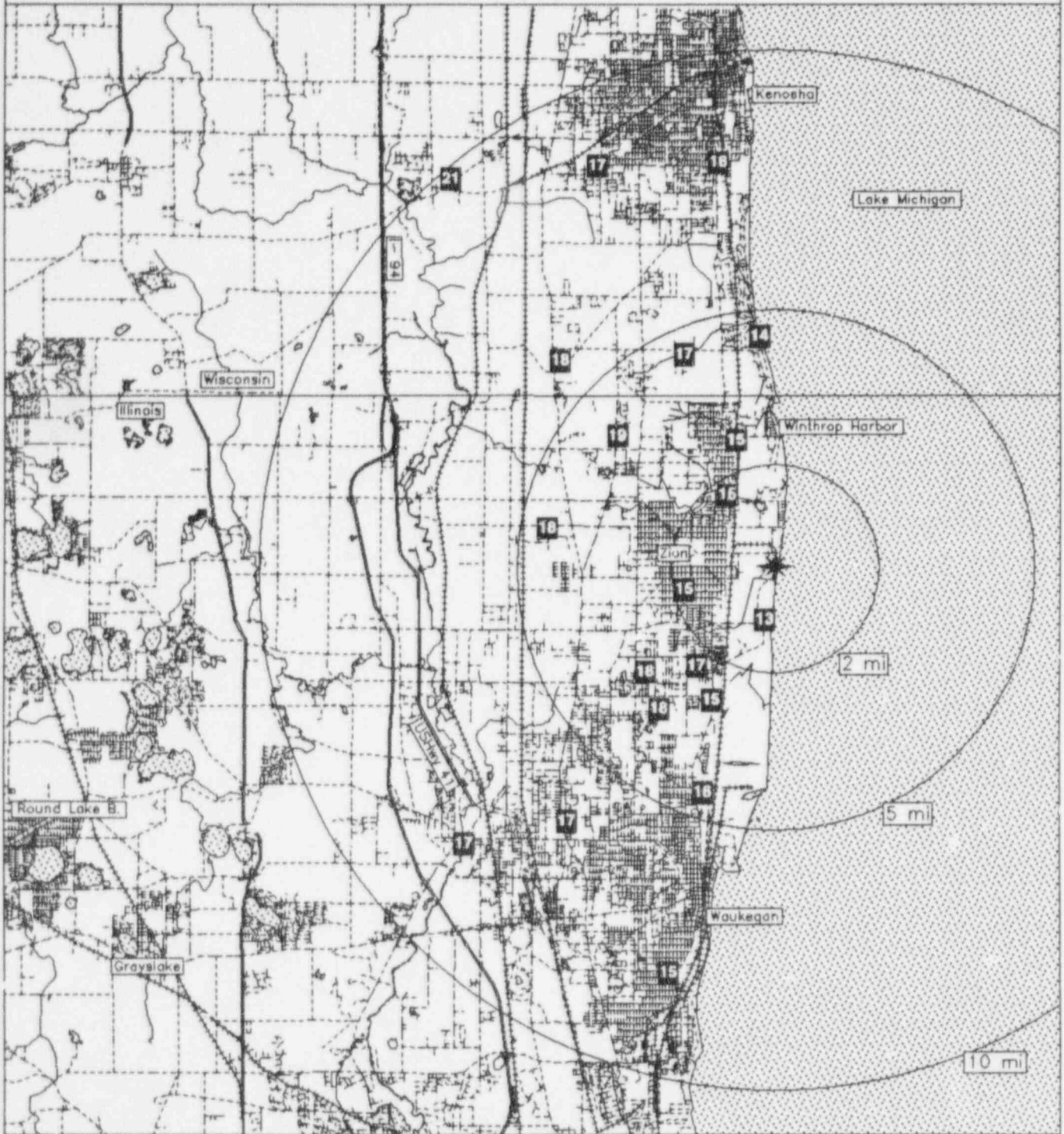
For the period 950313-950725

## TLD Direct Radiation Environmental Monitoring

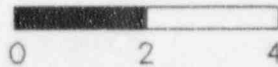
Azimuth (degrees)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
348.76 - 11.25 N	14.7 +- 1.3	2
11.26 - 33.75 NNE	No Data +- No Data	0
33.76 - 56.25 NE	No Data +- No Data	0
56.26 - 78.75 ENE	No Data +- No Data	0
78.76 - 101.25 E	No Data +- No Data	0
101.26 - 123.75 ESE	No Data +- No Data	0
123.76 - 146.25 SE	No Data +- No Data	0
146.26 - 168.75 SSE	No Data +- No Data	0
168.76 - 191.25 S	No Data +- No Data	0
191.26 - 213.75 SSW	14.7 +- 1.6	4
213.76 - 236.25 SW	17.2 +- 0.7	5
236.26 - 258.75 WSW	15.5 +- 1.1	2
258.76 - 281.25 W	18.0 +- 0.0	1
281.26 - 303.75 WNW	No Data +- No Data	0
303.76 - 326.25 NW	19.1 +- 1.4	3
326.26 - 348.75 NNW	16.2 +- 1.2	4

Distance From Reactor (miles)	Ave. Exposure Rate (mR/Std.Qtr.) +- Std.Dev.	Number In Group
0 - 2	14.7 +- 1.6	4
2 - 5	16.7 +- 1.6	10
> 5	17.2 +- 1.8	7
Upwind Control	19.7 +- 0.5	3

# NRC TLD DOSES FOR ZION AREA



Miles



## Legend

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

**BIBLIOGRAPHIC DATA SHEET**

*(See instructions on the reverse)*

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

NUREG-0837  
Vol. 15, No. 2

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Progress Report (April - June, 1995)

3. DATE REPORT PUBLISHED

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4. FIN OR GRANT NUMBER

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R. Struckmeyer

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April-June 1995

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

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

Same as 8. above

10. SUPPLEMENTARY NOTES

11. ABSTRACT *(200 words or less)*

This report provides the status and results of the NRC Thermoluminescent Dosimeter (TLD) Direct Radiation Monitoring Network. It presents the radiation levels measured in the vicinity of NRC licensed facilities throughout the country for the second quarter of 1995.

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

Thermoluminescent Dosimeter (TLD) Direct Radiation Monitoring  
Network  
  
ambient radiation levels

13. AVAILABILITY STATEMENT

Unlimited

14. SECURITY CLASSIFICATION

*(This Page)*

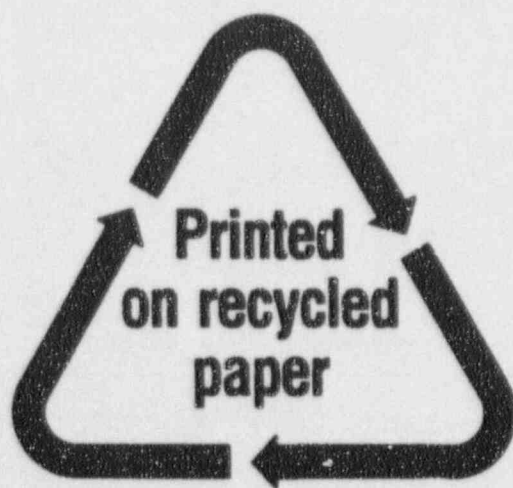
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15. NUMBER OF PAGES

16. PRICE



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