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# NRC TLD Direct Radiation Monitoring Network

Progress Report  
April - June 1988

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**U.S. Nuclear Regulatory  
Commission**

NRC Region I

R. Struckmeyer, N. McNamara



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PDR NUREG  
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Progress Report  
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Region I  
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King of Prussia, PA 19406



### Notice

This edition of the NRC TLD Direct Radiation Monitoring Network Progress Report contains a supplement which lists corrected data for two sites reported in the previous edition (NUREG-0837, Vol. 8, No. 1). The sites are Comanche Peak and Waterford. The corrected data and dose maps for these sites begin after page 223.

## Preface

The U. S. Nuclear Regulatory Commission (NRC) Direct Radiation Monitoring Network is operated by the NRC in cooperation with participating states to provide continuous measurement of the ambient radiation levels around licensed NRC facilities, primarily power reactors. Ambient radiation levels result from naturally occurring radionuclides present in the soil, cosmic radiation constantly bombarding the earth from outer space, and the contribution, if any, from the monitored facilities and other man-made sources. The Network is intended to measure radiation levels during routine facility operations and to establish background radiation levels used to assess the radiological impact of an unusual condition, such as an accident. This report presents the radiation levels measured around all facilities in the Network for the first quarter of 1988. A complete listing of the site facilities monitored is included. In some instances, two power reactor facilities are monitored by the same set of dosimeters (e.g., Kewaunee and Point Beach).

All radiation measurements are made using small, passive detectors called thermoluminescent dosimeters (TLDs), which provide a quantitative measurement of the radiation levels in the area in which they are placed. Each site is monitored by arranging approximately 40 to 50 TLD stations in two concentric rings extending to about five miles from the facility. All TLD stations are outside the site boundary of the facility. A complete description of the program can be found in NUREG-0837, Volume 2, Number 4 and NUREG-0837, Volume 3, Number 4. The National Bureau of Standards (NBS) has 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. NBS has also tested the response of the NRC's dosimetry system against the requirements of ANSI N545-1975 and NRC Regulatory Guide 4.13. Details of this testing can be found in NUREG/CR-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 dosimeter during transit from the gross exposures. All exposures are normalized to a 90-day quarter (standard quarter) and reported in units of milliroentgens (mR). Station numbers for which no data are reported included stations which have been deleted, stations for which the TLD was lost during the quarter, or stations for which the TLD was damaged. When control dosimeter data are unavailable, no net exposures are calculated.

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

The uncertainties are listed in the following format:

$$X \pm S_x; U_x$$

where  $X$  = value of the result

$S_x$  = random uncertainty expressed as one standard deviation

$U_x$  = combined total uncertainty

The second set of data summarizes the average net exposure measured in each of the 16 standard windrose sectors around the facility, normalized to a standard quarter. The third set of data summarizes the average 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 control dosimeters, the average gross exposures, normalized to a standard quarter, are reported in these two sets of data. The "std.dev." refers to the standard deviation of the measurements made in each sector and range, respectively.

Maps indicating the measured doses around a site are presented in this report. Due to the constraints of digitizing the entire monitoring area onto the limited space on the map, some TLD data are not included.

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.

ATTACHMENT 1Sites Monitored During the Second Quarter 1988

- |     |                             |     |                      |
|-----|-----------------------------|-----|----------------------|
| 1.  | Arkansas Nuclear One        | 37. | Millstone            |
| 2.  | Beaver Valley               | 38. | Monticello           |
| 3.  | Bidwell Rock Point          | 39. | North Anna           |
| 4.  | Bidwood                     | 40. | Oconee               |
| 5.  | Browns Ferry                | 41. | Oyster Creek         |
| 6.  | Brunswick                   | 42. | Palisades            |
| 7.  | Byron                       | 43. | Palo Verde           |
| 8.  | Callaway                    | 44. | Peach Bottom         |
| 9.  | Calvert Cliffs              | 45. | Perry                |
| 10. | Catawba                     | 46. | Pilgrim              |
| 11. | Clinton                     | 47. | Prairie Island       |
| 12. | Comanche Peak               | 48. | Quad Cities          |
| 13. | D. C. Cook                  | 49. | Rancho Seco          |
| 14. | Cooper                      | 50. | River Bend           |
| 15. | Crystal River               | 51. | Robinson             |
| 16. | Davis-Besse                 | 52. | St. Lucie            |
| 17. | Diablo Canyon               | 53. | Salem/Hope Creek     |
| 18. | Dresden                     | 54. | San Onofre           |
| 19. | Duane Arnold                | 55. | Seabrook             |
| 20. | Farley                      | 56. | Sequoyah             |
| 21. | Fermi                       | 57. | Shoreham             |
| 22. | FitzPatrick/Nine Mile Point | 58. | South Texas          |
| 23. | Fort Calhoun                | 59. | Summer               |
| 24. | Fort St. Vrain              | 60. | Surrey               |
| 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 880317-880719 125 DAYS  
 FIELD TIME 86 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)			NET EXPOSURE RATE				
	AZIMUTH (deg.)	DIST (mi.)	+ -	Rdm	Tot.	mR/Std. Qtr.	+ -	Rdm	Tot.	
001	4	0.4	23.4	+-	.7	3.5	17.0	+-	.8	7.0
002	353	4.1	22.7	+-	.7	3.4	17.1	+-	.8	7.0
003	32	1.3	24.6	+-	.7	3.7	19.0	+-	.9	7.1
004	13	3.3	22.6	+-	.7	3.4	16.9	+-	.8	6.9
005	53	1.5	22.1	+-	.7	3.3	16.4	+-	.8	6.9
006	37	3.6	22.3	+-	.7	3.3	16.6	+-	.8	6.9
007	78	2.5	23.2	+-	.7	3.5	17.5	+-	.8	7.0
008	60	3.2	24.7	+-	.7	3.7	19.1	+-	.9	7.1
009	92	0.5	24.6	+-	.7	3.7	19.0	+-	.9	7.1
010	83	5.5	23.0	+-	.7	3.4	17.3	+-	.8	7.0
011	122	2.1	21.7	+-	.7	3.3	16.0	+-	.8	6.9
012	109	6.0	23.9	+-	.7	3.6	18.3	+-	.9	7.1
013	130	2.6	21.5	+-	.6	3.2	15.0	+-	.8	6.9
014	130	4.9	20.9	+-	.6	3.1	15.2	+-	.8	6.8
016	167	4.4	23.0	+-	.7	3.6	18.2	+-	.9	7.0
017	171	0.4	22.7	+-	.7	3.4	17.0	+-	.8	6.9
018	109	3.2	23.2	+-	.7	3.5	17.6	+-	.8	7.0
019	205	2.9	23.3	+-	.7	3.5	17.7	+-	.8	7.0
020	195	5.0	20.7	+-	.6	3.1	14.9	+-	.8	6.8
021	035	0.5	25.4	+-	.8	3.8	19.9	+-	.9	7.2
022	230	3.6	20.0	+-	.6	3.0	14.2	+-	.8	6.7
023	257	2.0	22.0	+-	.7	3.4	17.2	+-	.8	7.0
024	243	4.5	22.3	+-	.7	3.3	16.6	+-	.8	6.9
025	279	1.2	26.0	+-	.8	3.9	20.5	+-	.9	7.2
026	263	4.3	23.6	+-	.7	3.5	18.0	+-	.9	7.0
027	290	0.4	23.9	+-	.7	3.5	18.3	+-	.9	7.1
028	293	5.0	23.2	+-	.7	3.5	17.6	+-	.8	7.0
029	326	1.9	23.5	+-	.7	3.5	17.0	+-	.8	7.0
030	300	4.0	23.0	+-	.7	3.6	18.2	+-	.9	7.0
031	345	1.3	24.5	+-	.7	3.7	18.9	+-	.9	7.1
032	335	4.2	21.1	+-	.6	3.2	15.3	+-	.8	6.8
033	110	0.0	23.5	+-	.7	3.5	17.0	+-	.9	7.0
039	112	7.0	22.9	+-	.7	3.4	17.2	+-	.8	7.0
040	147	0.0	24.2	+-	.7	3.6	18.6	+-	.9	7.1
041	106	1.7	23.4	+-	.7	3.5	17.0	+-	.8	7.0
042	310	1.7	21.2	+-	.6	3.2	15.4	+-	.8	6.8
043	105	3.2	23.6	+-	.7	3.5	17.9	+-	.9	7.0
044	315	1.3	23.9	+-	.7	3.6	18.3	+-	.9	7.0
045	47	0.9	20.6	+-	.6	3.1	14.9	+-	.8	6.8
046	1.5	0.3	24.3	+-	.7	3.6	18.7	+-	.9	7.1
047	200	2.0	22.0	+-	.7	3.3	16.3	+-	.8	6.9
048	179	1.9	22.9	+-	.7	3.4	17.2	+-	.8	7.0
049	150	2.2	24.3	+-	.7	3.6	18.7	+-	.9	7.1

TRANSIT DOSE = 6.4 +- .4 ; 5.7



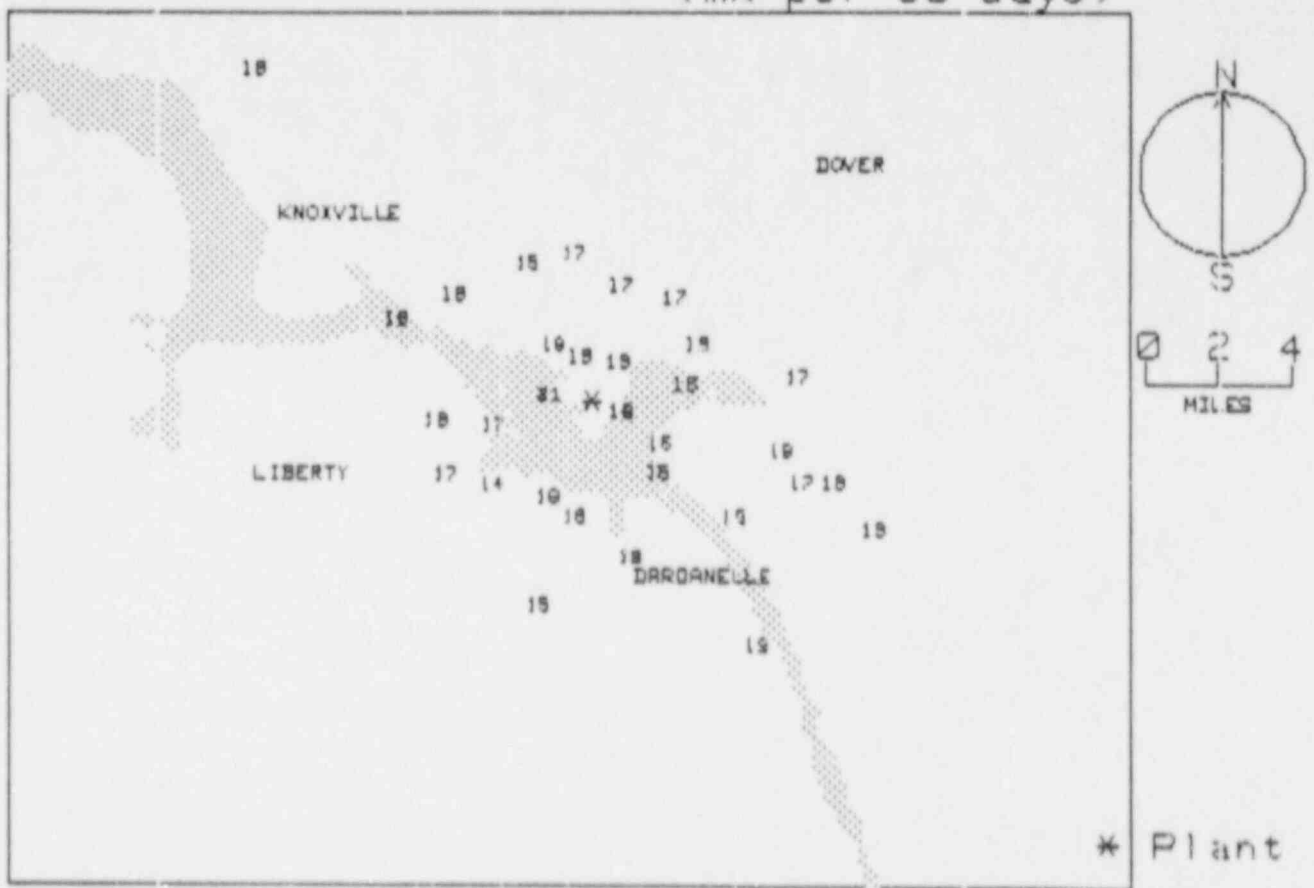
ARKANSAS  
FOR THE PEP101 880317-880719

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
348.75-11.25 (N)	17.4 $\pm$ .5	2
11.25-33.75 (NNE)	17.9 $\pm$ 1.5	2
33.75-56.25 (NE)	16.0 $\pm$ 1.0	3
56.25-78.75 (ENE)	18.3 $\pm$ 1.1	2
78.75-101.25 (E)	18.2 $\pm$ 1.2	2
101.25-123.75 (ESE)	17.7 $\pm$ .9	7
123.75-146.25 (SE)	15.5 $\pm$ .4	2
146.25-168.75 (SSE)	18.4 $\pm$ .3	2
168.75-191.25 (S)	17.3 $\pm$ .4	2
191.25-213.75 (SSW)	16.3 $\pm$ 2.0	2
213.75-236.25 (SW)	17.1 $\pm$ 4.0	2
236.25-258.75 (WSW)	16.9 $\pm$ .4	2
258.75-281.25 (W)	19.3 $\pm$ 1.8	2
281.25-303.75 (WNW)	17.9 $\pm$ .5	2
303.75-326.25 (NW)	17.4 $\pm$ 1.3	4
326.25-348.75 (NNW)	17.1 $\pm$ 2.5	2

DISTANCE (mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
0-2	18.4 $\pm$ 1.2	11
2-5	16.9 $\pm$ 1.3	17
>5	17.2 $\pm$ 1.4	12
UPWIND CONTROL DATA	17.4 $\pm$ 1.2	3

### NRC TLD DOSES FOR ARKANSAS AREA (mR per 90 days)



BEAVER VALLEY  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 880323-880726 126 DAYS  
 FIELD TIME 106 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE(mR)			NET EXPOSURE RATE		
	AZIMUTH (deg.)	DIST (mi.)	+ -	Rdm	Tot.	mR/Std. Qtr.	+ -	Rdm
001	344	16.	20.5	+-	.6 ; 3.1	16.5	+-	.6 ; 4.8
002	006	13.	21.9	+-	.7 ; 3.3	17.7	+-	.6 ; 4.9
004	31	12.	26.2	+-	.8 ; 3.9	21.4	+-	.7 ; 5.2
005	55	6.4	23.6	+-	.7 ; 3.5	19.2	+-	.7 ; 5.0
006	60	9.5	24.9	+-	.7 ; 3.7	20.3	+-	.7 ; 5.1
007	357	8.0	25.2	+-	.8 ; 3.8	20.5	+-	.7 ; 5.1
008	110	4.3	22.8	+-	.7 ; 3.4	18.5	+-	.6 ; 4.9
009	110	2.2	25.5	+-	.8 ; 3.8	20.7	+-	.7 ; 5.1
010	91	2.4	24.7	+-	.7 ; 3.7	20.1	+-	.7 ; 5.1
011	77	3.7	25.1	+-	.8 ; 3.8	20.4	+-	.7 ; 5.1
012	153	4.2	27.2	+-	.8 ; 4.1	22.2	+-	.7 ; 5.3
013	170	4.4	24.2	+-	.7 ; 3.6	19.7	+-	.7 ; 5.0
014	190	4.4	23.0	+-	.7 ; 3.5	18.7	+-	.6 ; 5.0
015	208	3.5	24.1	+-	.7 ; 3.6	19.6	+-	.7 ; 5.0
016	264	5.6	23.9	+-	.7 ; 3.6	19.4	+-	.7 ; 5.0
017	270	6.3	23.3	+-	.7 ; 3.5	18.9	+-	.6 ; 5.0
018	232	2.4	24.0	+-	.7 ; 3.6	19.5	+-	.7 ; 5.0
019	267	2.3	25.1	+-	.8 ; 3.8	20.4	+-	.7 ; 5.1
020	294	3.4	23.0	+-	.7 ; 3.4	18.6	+-	.6 ; 5.0
021	286	1.4	27.1	+-	.8 ; 4.1	22.1	+-	.7 ; 5.3
022	220	1.3	23.0	+-	.7 ; 3.4	18.6	+-	.6 ; 5.0
023	255	2.3	25.3	+-	.8 ; 3.8	20.6	+-	.7 ; 5.1
024	209	2.1	25.1	+-	.8 ; 3.8	20.4	+-	.7 ; 5.1
025	186	2.1	25.1	+-	.8 ; 3.8	20.4	+-	.7 ; 5.1
026	190	2.2	24.1	+-	.7 ; 3.6	19.6	+-	.7 ; 5.0
027	125	2.0	24.8	+-	.7 ; 3.7	20.2	+-	.7 ; 5.1
028	87	1.6	25.6	+-	.8 ; 3.8	20.9	+-	.7 ; 5.2
029	59	1.5	23.9	+-	.7 ; 3.6	19.4	+-	.7 ; 5.0
030	50	1.2	24.1	+-	.7 ; 3.6	19.6	+-	.7 ; 5.0
031	320	1.2	25.8	+-	.8 ; 3.9	21.0	+-	.7 ; 5.2
032	325	3.5	24.1	+-	.7 ; 3.6	19.6	+-	.7 ; 5.0
033	341	2.5	24.1	+-	.7 ; 3.6	19.6	+-	.7 ; 5.0
034	343	5.2	22.9	+-	.7 ; 3.4	18.5	+-	.6 ; 4.9
035	9	3.6	25.4	+-	.8 ; 3.8	20.7	+-	.7 ; 5.1
036	14	3.3	28.3	+-	.8 ; 4.2	23.1	+-	.8 ; 5.4
037	37	3.0	21.8	+-	.7 ; 3.3	17.6	+-	.6 ; 4.9
038	22	1.8	22.3	+-	.7 ; 3.3	18.0	+-	.6 ; 4.9
039	351	1.6	23.5	+-	.7 ; 3.5	19.1	+-	.6 ; 5.0
040	344	16.	19.4	+-	.6 ; 2.9	15.6	+-	.6 ; 4.7
041	344	16.	20.7	+-	.6 ; 3.1	16.7	+-	.6 ; 4.8

TRANSIT DOSE = 1.0 +- .3 ; 4.7

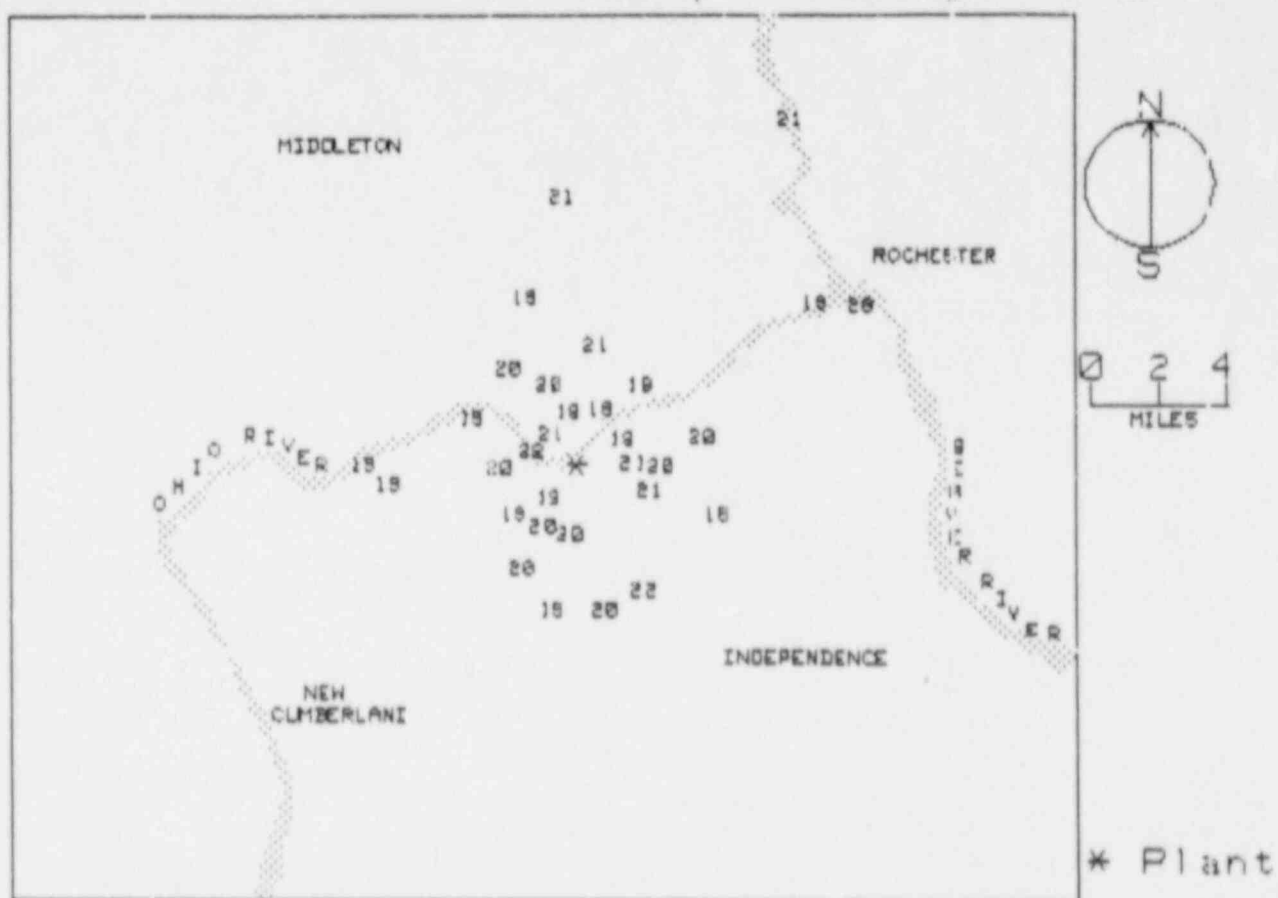
BE IVER VALLEY  
FOR THE PERIOD 880323-880726

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	# IN GROUP
348.75-11.25 (N)	19.5 $\pm$ 1.4	4
11.25-33.75 (NE)	20.8 $\pm$ 2.6	3
33.75-56.25 (NE)	18.8 $\pm$ 1.0	3
56.25-78.75 (ENE)	20.0 $\pm$ .8	3
78.75-101.25 (E)	20.5 $\pm$ .5	2
101.25-123.75 (ESE)	19.6 $\pm$ 1.6	2
123.75-146.25 (SE)	20.2 $\pm$ 0.0	1
146.25-168.75 (SSE)	22.2 $\pm$ 0.0	1
168.75-191.25 (S)	19.6 $\pm$ .7	4
191.25-213.75 (SSW)	20.0 $\pm$ .6	2
213.75-236.25 (SW)	19.0 $\pm$ .6	2
236.25-258.75 (WSW)	20.6 $\pm$ 0.0	1
258.75-281.25 (W)	19.6 $\pm$ .8	3
281.25-303.75 (WNW)	20.4 $\pm$ 2.5	2
303.75-326.25 (NW)	20.3 $\pm$ 1.0	2
326.25-348.75 (NNW)	19.1 $\pm$ .8	2

DISTANCE(mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	# IN GROUP
0-2	19.9 $\pm$ 1.3	9
2-5	20.0 $\pm$ 1.2	20
>5	19.5 $\pm$ 1.2	8
UPWIND CONTROL DATA	16.3 $\pm$ .8	3

NRC TLD DOSES FOR BEAVER VALLEY AREA  
(mR per 90 days)



BIG ROCK  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 880321-880719 121 DAYS  
 FIELD TIME 97 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)		NET EXPOSURE RATE mR/Std. Qtr.	
	AZIMUTH (deg.)	DIST (mi.)	+ - Rdm	Tot.	+ - Rdm	Tot.
001	208	4.9	17.9 +- .5	2.7	13.3 +- .6	5.4
002	220	3.6	16.4 +- .5	2.5	11.9 +- .6	5.3
003	204	2.4	16.9 +- .5	2.5	12.4 +- .6	5.3
004	176	3.3	16.1 +- .5	2.4	11.6 +- .6	5.3
005	161	4.6	16.3 +- .5	2.4	11.8 +- .6	5.3
006	133	4.7	18.7 +- .6	2.8	14.8 +- .6	5.4
007	116	3.7	20.1 +- .6	3.0	15.4 +- .6	5.5
008	111	4.7	19.8 +- .6	3.0	15.8 +- .6	5.5
009	98	4.5	17.1 +- .5	2.6	12.6 +- .6	5.3
010	88/	12.	16.9 +- .5	2.5	12.3 +- .6	5.3
011	83/	16.	18.6 +- .6	2.8	14.8 +- .6	5.4
012	83/	16.	16.9 +- .5	2.5	12.4 +- .6	5.3
013	83/	16.	15.6 +- .5	2.3	11.1 +- .5	5.3
014	77	3.4	15.5 +- .5	2.3	11.1 +- .5	5.3
015	96	1.8	18.7 +- .6	2.8	14.1 +- .6	5.4
016	118	2.8	17.9 +- .5	2.7	13.3 +- .6	5.4
017	134	2.8	18.8 +- .5	2.7	13.4 +- .6	5.4
018	222	1.9	MISSING OR DAMAGED DOSIMETER			
019	194	1.4	19.2 +- .6	2.9	14.5 +- .6	5.5
020	179	1.5	17.8 +- .5	2.6	12.5 +- .6	5.3
021	153	1.1	16.8 +- .5	2.5	12.2 +- .6	5.3
TRANSIT DOSE =			3.5 +- .3	5.2		

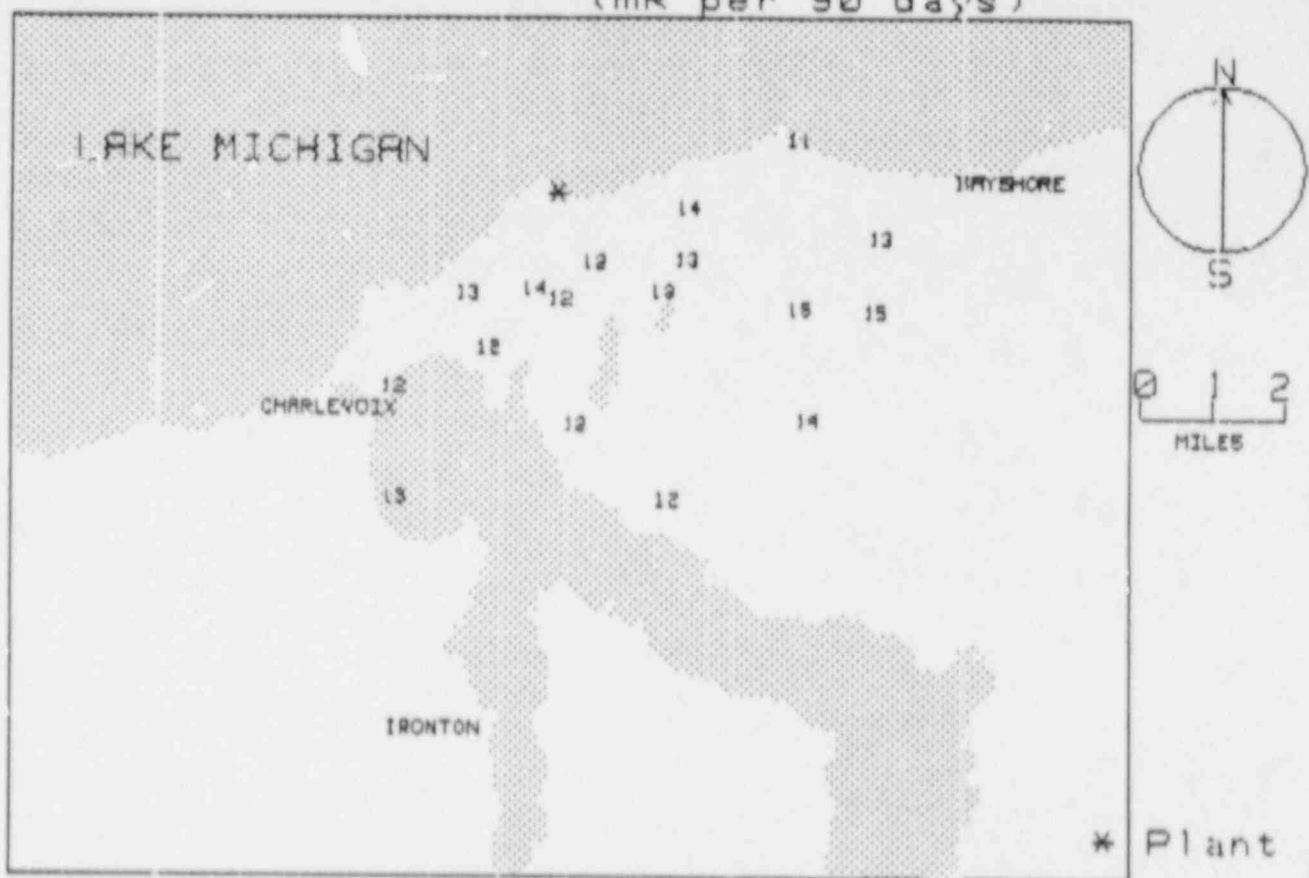
BIG ROCK  
FOR THE PERIOD 880321-880719

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	# IN GROUP
348.75-11.25 (N)	NO DATA+-NO DATA	0
11.25-33.75 (NNE)	NO DATA+-NO DATA	0
33.75-56.25 (NE)	NO DATA+-NO DATA	0
56.25-78.75 (ENE)	11.1 $\pm$ 0.0	1
78.75-101.25 (E)	13.0 $\pm$ .9	3
101.25-123.75 (ESE)	14.6 $\pm$ 1.1	3
123.75-146.25 (SE)	13.7 $\pm$ .5	2
146.25-168.75 (SSE)	12.0 $\pm$ .3	2
168.75-191.25 (S)	12.1 $\pm$ .6	2
191.25-213.75 (SSW)	13.1 $\pm$ 1.0	3
213.75-236.25 (SW)	11.9 $\pm$ 0.0	1
236.25-258.75 (WSW)	NO DATA+-NO DATA	0
258.75-281.25 (W)	NO DATA+-NO DATA	0
281.25-303.75 (WNW)	NO DATA+-NO DATA	0
303.75-326.25 (NW)	NO DATA+-NO DATA	0
326.25-348.75 (NNW)	NO DATA+-NO DATA	0

DISTANCE(mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	# IN GROUP
0-2	13.3 $\pm$ .9	6
2-5	12.9 $\pm$ 1.5	10
>5	12.3 $\pm$ 0.0	1
UPWIND CONTROL DATA	12.5 $\pm$ 1.4	3

NRC TLD DOSES FOR BIG ROCK POINT AREA  
(mR per 90 days)





## BRAIDWOOD

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

FOR THE PERIOD 880315-880715 123 DAYS

FIELD TIME 88 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)		NET EXPOSURE RATE	
	AZIMUTH (deg.)	DIST (mi.)	+ Rdm; Tot.		mR/Std. Qtr. + Rdm; Tot.	
001	351	.8	16.4 +- .5	; 2.5	9.3 +- .7	; 6.7
002	19	1.3	21.5 +- .6	; 3.2	14.6 +- .8	; 7.0
003	45	2	15.7 +- .5	; 2.4	8.7 +- .7	; 6.7
004	66	2.1	21.4 +- .6	; 3.2	14.5 +- .8	; 7.0
005	87	1.8	21.1 +- .6	; 3.2	14.1 +- .8	; 7.0
006	114	2	21.0 +- .6	; 3.2	14.1 +- .8	; 7.0
007	133	2.7	21.8 +- .7	; 3.3	14.8 +- .8	; 7.1
008	151	2.8	19.7 +- .6	; 3.0	12.7 +- .8	; 6.9
009	178	3.9	20.3 +- .6	; 3.0	13.4 +- .8	; 7.0
010	197	2.8	21.7 +- .7	; 3.3	14.8 +- .8	; 7.1
011	222	1.4	20.4 +- .6	; 3.1	13.4 +- .8	; 7.0
012	252	1.1	19.7 +- .6	; 3.0	12.7 +- .8	; 6.9
013	261	1.0	MISSING OR DAMAGED DOSIMETER			
014	278	1.2	21.3 +- .6	; 3.2	14.3 +- .8	; 7.0
015	310	1.3	22.0 +- .7	; 3.3	15.0 +- .8	; 7.1
016	335	1.6	16.3 +- .5	; 2.4	9.3 +- .7	; 6.7
017	359	1.5	20.6 +- .6	; 3.1	13.7 +- .8	; 7.0
018	018	3.5	22.1 +- .7	; 3.3	15.1 +- .8	; 7.1
019	042	6.3	17.4 +- .5	; 2.6	10.4 +- .7	; 6.8
020	069	5.7	21.0 +- .6	; 3.1	14.0 +- .8	; 7.0
021	086	6.8	22.6 +- .7	; 3.4	15.7 +- .8	; 7.1
022	100	10'	24.2 +- .7	; 3.6	17.3 +- .9	; 7.2
023	45	4.9	21.5 +- .6	; 3.2	14.6 +- .8	; 7.0
024	070	4.2	20.1 +- .6	; 3.0	13.1 +- .8	; 6.9
025	086	4.1	16.9 +- .5	; 2.5	9.9 +- .7	; 6.7
026	113	4.4	MISSING OR DAMAGED DOSIMETER			
027	142	6.4	22.1 +- .7	; 3.3	15.2 +- .8	; 7.1
028	161	6.1	20.6 +- .6	; 3.1	13.6 +- .8	; 7.0
029	180	6.1	22.2 +- .7	; 3.3	15.3 +- .8	; 7.1
030	191	5.8	27.8 +- .8	; 4.2	21.0 +- 1.0	; 7.5
031	230	5.8	24.1 +- .7	; 3.6	17.2 +- .9	; 7.2
032	266	5.3	21.9 +- .7	; 3.3	14.9 +- .8	; 7.1
033	289	4.1	23.1 +- .7	; 3.5	16.2 +- .8	; 7.2
034	315	4.3	22.8 +- .7	; 3.4	15.9 +- .8	; 7.1
035	333	4.5	21.1 +- .6	; 3.2	14.1 +- .8	; 7.0
036	000	5.9	20.3 +- .6	; 3.0	13.3 +- .8	; 7.0
037	021	5.3	15.4 +- .5	; 2.3	8.3 +- .6	; 6.7
038	190	10'	18.6 +- .6	; 2.8	11.6 +- .7	; 6.8
039	224	13'	19.9 +- .6	; 3.0	12.9 +- .8	; 6.9
040	224	13'	24.7 +- .7	; 3.7	17.9 +- .9	; 7.3
TRANSIT DOSE *			7.2 +- .4	; 6.1		

BRAIDWOOD  
FOR THE PERIOD 880315-880715

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
348.75-11.25 (N)	12.1 $\pm$ 2.4	3
11.25-33.75 (NNE)	12.7 $\pm$ 3.8	3
33.75-56.25 (NE)	11.2 $\pm$ 3.8	3
56.25-78.75 (ENE)	13.8 $\pm$ .7	3
78.75-101.25 (E)	14.2 $\pm$ 3.2	4
101.25-123.75 (ESE)	14.1 $\pm$ 0.8	1
123.75-146.25 (SE)	15.8 $\pm$ .3	2
146.25-168.75 (SSE)	13.2 $\pm$ .6	2
168.75-191.25 (S)	15.3 $\pm$ 4.1	4
191.25-213.75 (SSW)	14.8 $\pm$ 0.8	1
213.75-236.25 (SW)	15.3 $\pm$ 2.7	2
236.25-258.75 (WSW)	12.7 $\pm$ 0.8	1
258.75-281.25 (W)	14.8 $\pm$ .4	2
281.25-303.75 (WNW)	16.2 $\pm$ 0.8	1
303.75-326.25 (NW)	15.5 $\pm$ .8	2
326.25-348.75 (NNW)	11.7 $\pm$ 3.4	2

DISTANCE (mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
0-2	12.7 $\pm$ 2.4	11
2-5	14.1 $\pm$ 1.7	12
>5	14.5 $\pm$ 3.2	13
UPWIND CONTROL DATA	15.4 $\pm$ 3.5	2

MAP FOR BRAIDWOOD

Map will be provided for this site in the future.

BROWNS FERRY  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 880323-880726 126 DAYS  
 FIELD TIME 93 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE(mR)		NET EXPOSURE RATE			
	AZIMUTH (deg.)	DIST (mi.)	+ Rdm	Tot.	mR/Std.Qtr. + Rdm	Tot.		
001	130	9	16.4	+.5 ;	2.5	14.8	+.5 ;	4.7
002	133	5.5	19.4	+.6 ;	2.9	17.7	+.6 ;	4.9
003	153	4.3	16.8	+.5 ;	2.5	15.2	+.5 ;	4.7
004	210	5.8	20.1	+.6 ;	3.0	18.4	+.6 ;	5.0
005	220	6	17.8	+.5 ;	2.7	16.2	+.6 ;	4.8
006	245	4.5	21.7	+.6 ;	3.2	20.8	+.7 ;	5.1
007	269	1.9	19.4	+.6 ;	2.9	17.7	+.6 ;	4.9
008	257	11.	18.7	+.6 ;	2.8	17.1	+.6 ;	4.9
009	295	7	19.1	+.6 ;	2.9	17.4	+.6 ;	4.9
010	297	4.5	18.7	+.6 ;	2.8	17.1	+.6 ;	4.9
011	269	1.9	19.9	+.6 ;	3.0	18.2	+.6 ;	5.0
012	240	2.6	17.7	+.5 ;	2.6	16.1	+.6 ;	4.8
013	220	1.7	24.2	+.7 ;	3.6	22.4	+.7 ;	5.3
014	268	17	20.1	+.6 ;	3.0	18.5	+.6 ;	5.0
015	201	3	20.4	+.6 ;	3.1	18.8	+.6 ;	5.0
016	181	3	18.2	+.5 ;	2.7	16.6	+.6 ;	4.8
017	50	9.5	19.7	+.6 ;	2.9	18.0	+.6 ;	4.9
018	51	3.5	18.6	+.6 ;	2.8	17.0	+.6 ;	4.9
019	62	3.2	19.2	+.6 ;	2.9	17.6	+.6 ;	4.9
020	86	2.8	20.8	+.6 ;	3.1	19.1	+.7 ;	5.0
021	111	3.1	23.3	+.7 ;	3.5	21.5	+.7 ;	5.3
022	64	1.1	23.5	+.7 ;	3.5	21.8	+.7 ;	5.3
023	90	26	18.9	+.6 ;	2.8	17.3	+.6 ;	4.9
024	111	.8	21.4	+.6 ;	3.2	19.7	+.7 ;	5.1
025	46	2.2	20.3	+.6 ;	3.0	18.7	+.6 ;	5.0
026	26	1.7	21.3	+.6 ;	3.2	19.6	+.7 ;	5.1
027	333	1.7	19.7	+.6 ;	2.9	18.0	+.6 ;	4.9
028	335	1	21.6	+.6 ;	3.2	19.9	+.7 ;	5.1
029	27	3.8	21.5	+.6 ;	3.2	19.8	+.7 ;	5.1
030	0	4	17.5	+.5 ;	2.6	15.9	+.6 ;	4.8
031	340	5.0	21.9	+.7 ;	3.3	20.2	+.7 ;	5.1
032	312	12	20.3	+.6 ;	3.0	18.6	+.6 ;	5.0
033	0	1.5	22.8	+.7 ;	3.3	20.3	+.7 ;	5.1
034	52	7	18.7	+.6 ;	2.8	17.1	+.6 ;	4.9
035	95	5.4	19.9	+.6 ;	3.0	18.2	+.6 ;	5.0
036	68	5.6	20.8	+.6 ;	3.1	19.1	+.7 ;	5.0
037	149	7.8	18.9	+.6 ;	2.8	17.3	+.6 ;	4.9
038	164	7	MISSING OR DAMAGED DOSIMETER					
TRANSIT DOSE = 1.0 +- .3 ; 4.2								

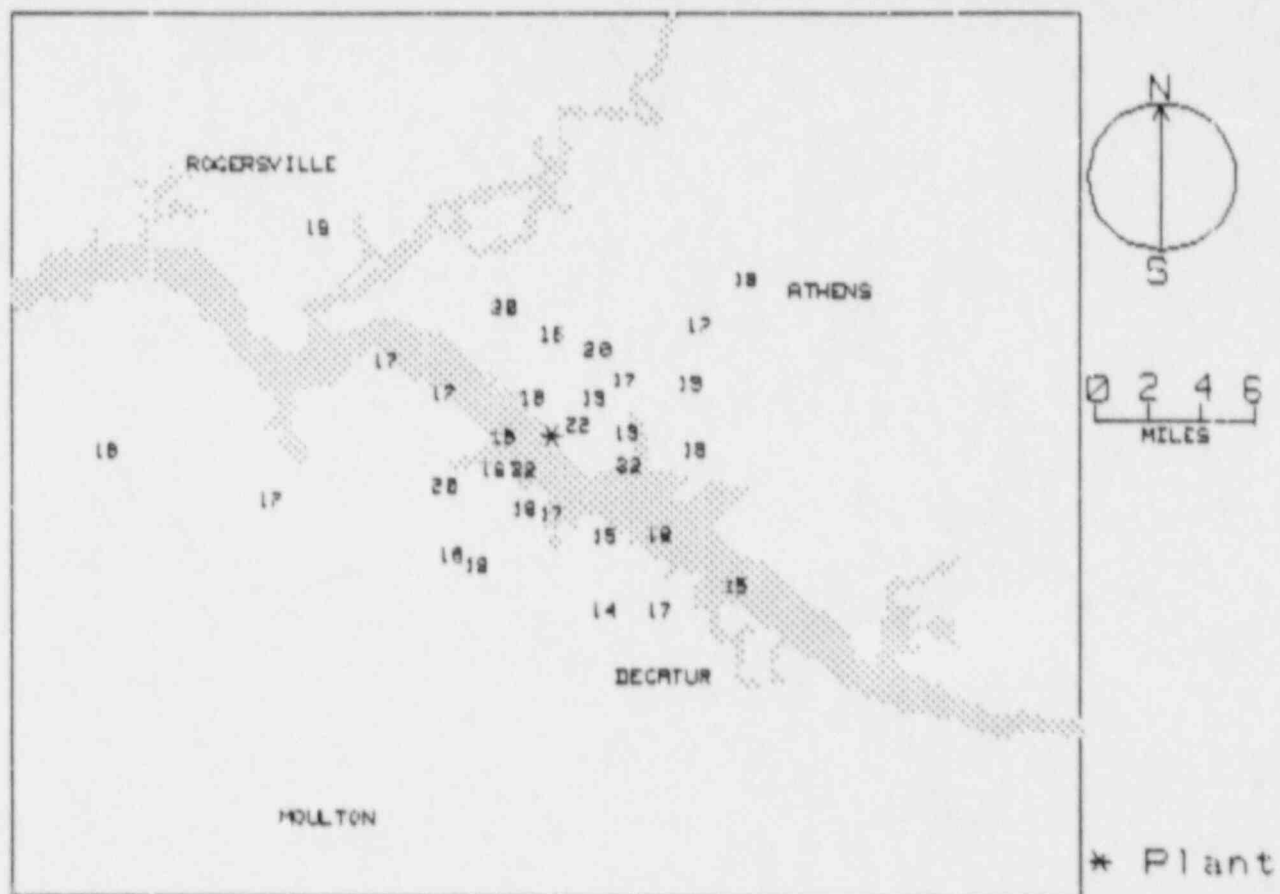
BROWNS FERRY  
FOR THE PERIOD 880323-880726

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	# IN GROUP
348.75-11.25 (N)	18.1 $\pm$ 3.1	2
11.25-33.75 (NNE)	19.7 $\pm$ .1	2
33.75-56.25 (NE)	17.7 $\pm$ .8	4
56.25-78.75 (ENE)	19.5 $\pm$ 2.1	3
78.75-101.25 (E)	18.2 $\pm$ .9	3
101.25-123.75 (ESE)	20.8 $\pm$ 1.3	2
123.75-146.25 (SE)	16.3 $\pm$ 2.1	2
146.25-168.75 (SSE)	16.2 $\pm$ 1.4	2
168.75-191.25 (S)	16.6 $\pm$ 0.0	1
191.25-213.75 (SSW)	18.6 $\pm$ .2	2
213.75-236.25 (SW)	19.3 $\pm$ 4.3	2
236.25-258.75 (WSW)	18.0 $\pm$ 2.7	2
258.75-281.25 (W)	18.0 $\pm$ .3	2
281.25-303.75 (WNW)	17.3 $\pm$ .2	-
303.75-326.25 (NW)	18.8 $\pm$ 0.0	1
326.25-348.75 (NNW)	19.3 $\pm$ 1.2	3

DISTANCE(mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	# IN GROUP
0-2	19.7 $\pm$ 1.6	9
2-5	17.9 $\pm$ 1.9	13
>5	17.7 $\pm$ 1.3	13
UPWIND CONTROL DATA	17.8 $\pm$ 1.0	2

NRC TLD DOSES FOR BROWNS FERRY AREA  
(mR per 90 days)



BRUNSWICK  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 880323-880715 115 DAYS  
 FIELD TIME 79 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE(mR)			NET EXPOSURE RATE			
	AZIMUTH (deg.)	DIST (mi.)	+- Rdm; Tot.			mR/Std. Qtr. +- Rdm; Tot.			
001	260	2.2	12.9	+-	.4	1.9	11.0	+- .5	5.4
002	245	3.4	12.7	+-	.4	1.9	10.9	+- .5	5.4
003	231	3.0	12.2	+-	.4	1.0	10.3	+- .5	5.3
004	210	4.9	15.0	+-	.4	2.2	13.4	+- .6	5.5
005	186	4.3	14.7	+-	.4	2.2	13.1	+- .6	5.5
006	270	4.5	13.0	+-	.4	1.9	11.2	+- .6	5.4
007	272	4.4	13.7	+-	.4	2.1	12.0	+- .6	5.4
008	73	1.3	14.4	+-	.4	2.2	12.0	+- .6	5.5
009	97	1.0	15.2	+-	.5	2.3	13.7	+- .6	5.5
010	120	1.5	15.4	+-	.5	2.3	13.9	+- .6	5.6
011	131	0.9	14.6	+-	.4	2.2	13.0	+- .6	5.5
012	156	1.1	15.2	+-	.5	2.3	13.7	+- .6	5.5
013	180	1.1	15.0	+-	.4	2.1	12.1	+- .6	5.4
014	194	2.4	13.6	+-	.4	2.0	11.0	+- .6	5.4
015	201	2.0	13.3	+-	.4	2.0	11.5	+- .6	5.4
016	210	1.2	13.5	+-	.4	2.0	11.0	+- .6	5.4
017	252	1.1	14.5	+-	.4	2.2	12.9	+- .6	5.5
018	272	1.2	14.1	+-	.4	2.1	12.4	+- .6	5.4
019	19	1.1	13.5	+-	.4	2.0	11.7	+- .6	5.4
020	2	1.1	12.9	+-	.4	1.9	11.1	+- .6	5.4
021	200	1.3	13.1	+-	.4	2.0	11.3	+- .6	5.4
022	307	1.5	13.3	+-	.4	2.0	11.5	+- .6	5.4
023	330	2.1	14.4	+-	.4	2.2	12.0	+- .6	5.5
024	325	4.9	13.0	+-	.4	2.0	11.2	+- .6	5.4
025	330	3.0	14.2	+-	.4	2.1	12.5	+- .6	5.5
026	356	5.2	14.5	+-	.4	2.2	12.9	+- .6	5.5
027	30	6.4	13.2	+-	.4	2.0	11.4	+- .6	5.4
028	43	9.0	12.0	+-	.4	1.9	11.0	+- .5	5.4
029	50	0.5	14.6	+-	.4	2.2	13.0	+- .6	5.5
030	59	7.2	15.6	+-	.5	2.3	14.2	+- .6	5.6
031	65	6.5	14.0	+-	.4	2.1	12.3	+- .6	5.4
032	74	5.0	14.6	+-	.4	2.2	13.0	+- .6	5.5
033	80	4.1	13.0	+-	.4	1.9	11.2	+- .6	5.4
034	12	17.	15.0	+-	.4	2.2	13.4	+- .6	5.5
035	16	18.	13.6	+-	.4	2.0	11.0	+- .6	5.4
036	204	16.	15.0	+-	.4	2.2	13.4	+- .6	5.5
037	204	16.	14.0	+-	.4	2.2	13.3	+- .6	5.5
038	205	16.	15.2	+-	.5	2.3	13.7	+- .6	5.5
039	207	4.6	MISSING OR DAMAGED DOSIMETER						
040	271	0.7	14.7	+-	.4	2.2	13.1	+- .6	5.5
TRANSIT DOSE =			3.2	+-	.3	4.3			

BRUNSWICK  
FOR THE PERIOD 880323-880715

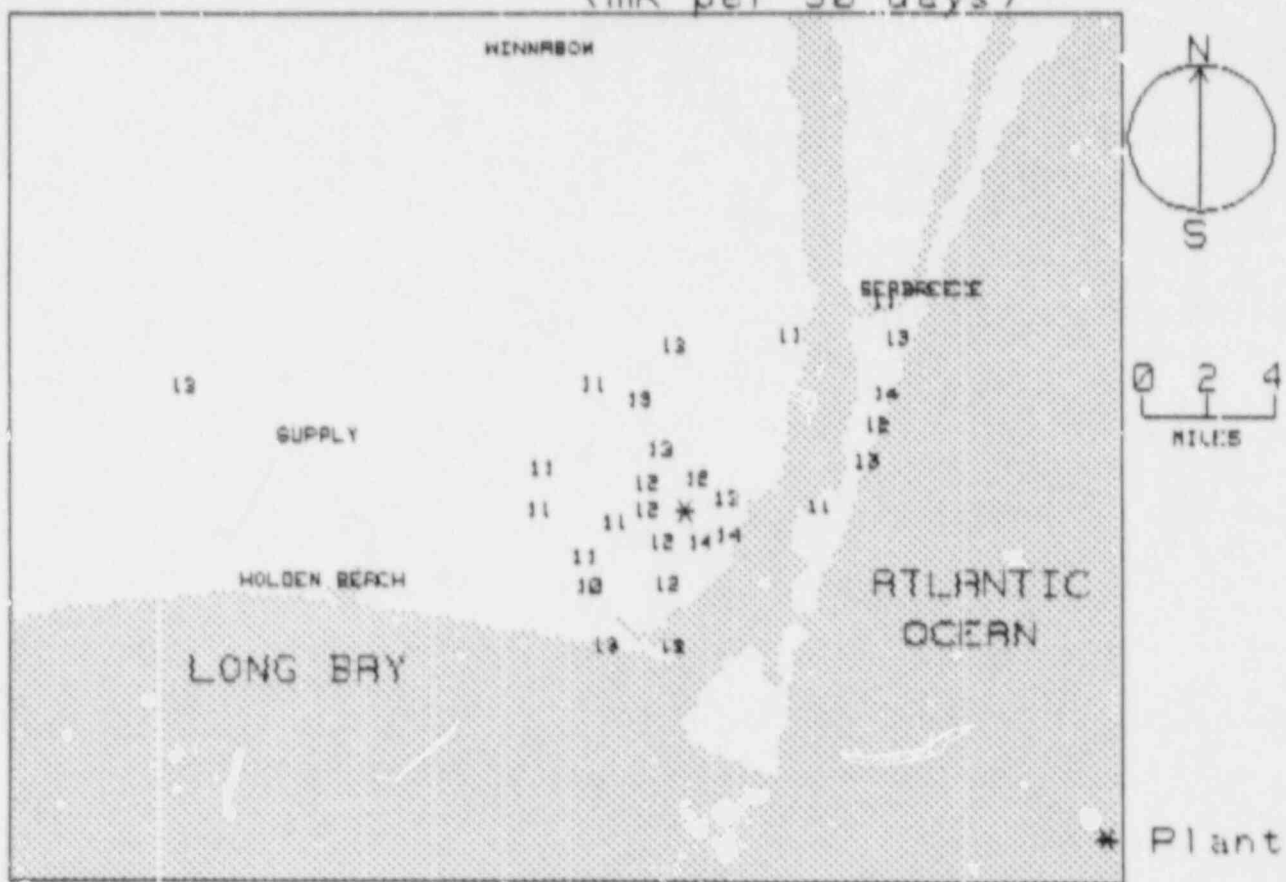
## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
348.75-11.25 (N)	12.0 $\pm$ 1.3	2
11.25-33.75 (NNE)	12.1 $\pm$ .8	4
33.75-56.25 (NE)	12.0 $\pm$ 1.5	2
56.25-78.75 (ENE)	13.1 $\pm$ .8	4
78.75-101.25 (E)	12.4 $\pm$ 1.0	2
101.25-123.75 (ESE)	13.9 $\pm$ 0.0	1
123.75-146.25 (SE)	13.0 $\pm$ 0.0	1
146.25-168.75 (SSE)	13.7 $\pm$ 0.0	1
168.75-191.25 (S)	12.6 $\pm$ .7	2
191.25-213.75 (SSW)	12.3 $\pm$ 1.0	3
213.75-236.25 (SW)	11.0 $\pm$ 1.0	2
236.25-258.75 (WSW)	11.9 $\pm$ 1.4	2
258.75-281.25 (W)	11.9 $\pm$ .9	5
281.25-303.75 (WNW)	11.3 $\pm$ 0.0	1
303.75-326.25 (NW)	11.4 $\pm$ .2	2
326.25-348.75 (NNW)	12.7 $\pm$ .2	2

DISTANCE(mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
0-2	12.4 $\pm$ .8	15
2-5	11.8 $\pm$ 1.0	12
>5	12.6 $\pm$ 1.0	9
UPWIND CONTROL DATA	13.5 $\pm$ .2	3



NRC TLD DOSES FOR BRUNSWICK AREA  
(mR per 90 days)



BYRON  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 880315-880715 123 DAYS  
 FIELD TIME 86 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE(mR)			NET EXPOSURE RATE mR/Std.Qtr.		
	AZIMUTH (deg.)	DIST (mi.)	+/-	Rdm	Tot.	+/-	Rdm	Tot.
001	10	1.1	21.0	+-	.7 ; 3.3	19.2	+-	.8 ; 6.0
002	23	1.0	21.0	+-	.7 ; 3.3	19.3	+-	.8 ; 6.0
003	46	1.6	20.5	+-	.6 ; 3.1	17.8	+-	.7 ; 5.8
004	60	1.6	25.0	+-	.8 ; 3.0	22.6	+-	.9 ; 6.3
005	86	1.4	24.7	+-	.7 ; 3.7	22.3	+-	.8 ; 6.2
006	112	1.3	23.8	+-	.7 ; 3.6	21.3	+-	.8 ; 6.1
007	133	1.4	24.9	+-	.7 ; 3.7	22.4	+-	.8 ; 6.2
008	175	2.2	21.2	+-	.6 ; 3.2	18.6	+-	.7 ; 5.9
009	156	0.6	18.5	+-	.6 ; 2.8	15.8	+-	.7 ; 5.7
010	183	0.5	23.0	+-	.7 ; 3.4	20.5	+-	.8 ; 6.1
011	210	0.6	22.3	+-	.7 ; 3.3	19.7	+-	.8 ; 6.0
012	236	0.9	21.1	+-	.6 ; 3.2	18.5	+-	.7 ; 5.9
013	247	0.8	20.7	+-	.6 ; 3.1	18.1	+-	.7 ; 5.9
014	262	0.7	22.8	+-	.7 ; 3.4	20.2	+-	.8 ; 6.0
015	298	0.8	22.8	+-	.7 ; 3.4	20.3	+-	.8 ; 6.1
016	326	1.0	19.0	+-	.6 ; 2.8	16.3	+-	.7 ; 5.7
017	333	1.6	20.6	+-	.6 ; 3.1	17.9	+-	.7 ; 5.8
018	23	4.0	18.5	+-	.6 ; 2.8	15.8	+-	.7 ; 5.7
019	17	4.1	16.5	+-	.5 ; 2.5	13.7	+-	.6 ; 5.5
020	5	4.3	20.7	+-	.6 ; 3.1	18.0	+-	.7 ; 5.9
021	340	4.2	24.3	+-	.7 ; 3.6	21.9	+-	.8 ; 6.2
022	322	4.9	23.6	+-	.7 ; 3.5	21.1	+-	.8 ; 6.1
023	304	6.9	17.9	+-	.5 ; 2.7	15.1	+-	.7 ; 5.6
024	270	4.0	18.6	+-	.6 ; 2.8	15.9	+-	.7 ; 5.7
025	244	4.6	19.2	+-	.6 ; 2.9	16.5	+-	.7 ; 5.7
026	224	4.8	17.9	+-	.5 ; 2.7	15.2	+-	.7 ; 5.6
027	213	5.2	18.3	+-	.5 ; 2.7	15.6	+-	.7 ; 5.7
028	209	14.	16.7	+-	.5 ; 2.5	13.9	+-	.6 ; 5.5
029	215	13.	19.1	+-	.6 ; 2.9	16.4	+-	.7 ; 5.7
030	215	13.	20.7	+-	.6 ; 3.1	18.1	+-	.7 ; 5.9
031	204	4.6	15.6	+-	.5 ; 2.3	12.8	+-	.6 ; 5.5
032	178	4.4	19.7	+-	.6 ; 3.0	17.1	+-	.7 ; 5.8
033	155	3.9	20.3	+-	.6 ; 3.0	17.7	+-	.7 ; 5.8
034	138	4.6	20.7	+-	.6 ; 3.1	18.0	+-	.7 ; 5.9
035	118	4.4	20.7	+-	.6 ; 3.1	18.1	+-	.7 ; 5.9
036	81	3.8	19.7	+-	.6 ; 2.9	17.0	+-	.7 ; 5.8
037	70	5.5	20.4	+-	.6 ; 3.1	17.7	+-	.7 ; 5.8
038	45	4.0	17.6	+-	.5 ; 2.6	14.8	+-	.6 ; 5.6
039	40	6.0	20.4	+-	.6 ; 3.1	17.8	+-	.7 ; 5.8
040	45	15.	17.1	+-	.5 ; 2.6	14.3	+-	.6 ; 5.6
041	320	3.0	23.5	+-	.7 ; 3.5	21.0	+-	.8 ; 6.1

TRANSIT DOSE = 3.4 +- .3 ; 4.7

BYRON  
FOR THE PERIOD 880315-880715

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
348.75-11.25 (N)	18.8 $\pm$ .8	2
11.25-33.75 (NNE)	16.3 $\pm$ 2.8	3
33.75-56.25 (NE)	16.2 $\pm$ 1.9	4
56.25-78.75 (ENE)	20.2 $\pm$ 3.4	2
78.75-101.25 (E)	19.8 $\pm$ 3.7	2
101.25-123.75 (ESE)	19.7 $\pm$ 2.3	2
123.75-146.25 (SE)	20.2 $\pm$ 3.1	2
146.25-168.75 (SSE)	16.7 $\pm$ 1.3	2
168.75-191.25 (S)	18.7 $\pm$ 1.7	3
191.25-213.75 (SSW)	16.8 $\pm$ 3.5	3
213.75-236.25 (SW)	16.8 $\pm$ 2.3	2
236.25-258.75 (WSW)	17.3 $\pm$ 1.1	2
258.75-281.25 (W)	18.1 $\pm$ 3.1	2
281.25-303.75 (WNW)	20.3 $\pm$ 0.0	1
303.75-326.25 (NW)	18.4 $\pm$ 3.1	4
326.25-348.75 (NNW)	19.8 $\pm$ 2.8	2

DISTANCE (mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
0-2	19.5 $\pm$ 2.1	16
2-5	17.2 $\pm$ 2.5	17
>5	16.1 $\pm$ 1.6	5
UPWIND CONTROL DATA	16.1 $\pm$ 2.1	3

MAP FOR BYRON

Map will be provided for this site in the future.

CALLAWAY  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 880321-880715 117 DAYS  
 FIELD TIME 94 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE(mR)		NET EXPOSURE RATE mR/Std.Qtr.	
	AZIMUTH (deg.)	DIST (mi.)	+ - Rdm;Tot.		+ - Rdm;Tot.	
001	247	2.1	24.4 +- .7	; 3.7	21.3 +- .8	; 5.6
002	259	1.4	23.6 +- .7	; 3.5	20.5 +- .7	; 5.5
003	282	1.3	23.7 +- .7	; 3.5	20.6 +- .7	; 5.5
004	304	1.3	24.5 +- .7	; 3.7	21.4 +- .8	; 5.6
005	330	1.7	18.7 +- .6	; 2.8	15.8 +- .6	; 5.1
006	1	1.7	19.6 +- .6	; 2.9	16.7 +- .6	; 5.2
007	23	2	19.7 +- .6	; 2.9	16.8 +- .6	; 5.2
008	77	.7	19.7 +- .6	; 2.9	16.8 +- .6	; 5.2
009	85	1.4	21.4 +- .6	; 3.2	18.4 +- .7	; 5.3
010	98	1.5	19.3 +- .6	; 2.9	16.4 +- .6	; 5.2
011	121	2	23.5 +- .7	; 3.5	20.4 +- .7	; 5.5
012	140	2	22.6 +- .7	; 3.4	19.5 +- .7	; 5.4
013	158	2.5	20.1 +- .6	; 3.0	17.2 +- .6	; 5.2
014	183	3.7	22.4 +- .7	; 3.4	19.3 +- .7	; 5.4
015	188	1.7	20.5 +- .6	; 3.1	17.6 +- .7	; 5.3
016	202	.7	20.4 +- .6	; 3.1	17.5 +- .7	; 5.3
017	237	.7	24.0 +- .7	; 3.6	20.9 +- .7	; 5.6
018	312	11	18.9 +- .6	; 2.8	16.0 +- .6	; 5.2
019	292	10	19.7 +- .6	; 3.0	16.8 +- .6	; 5.2
020	268	9	20.6 +- .6	; 3.1	17.7 +- .7	; 5.3
021	247	8	25.2 +- .8	; 3.8	22.1 +- .8	; 5.7
022	225	8	21.1 +- .6	; 3.2	18.1 +- .7	; 5.3
023	220	8	19.4 +- .6	; 2.9	16.5 +- .6	; 5.2
024	205	5.5	MISSING OR DAMAGED DOSIMETER			
025	157	4	24.6 +- .7	; 3.7	21.5 +- .8	; 5.6
026	134	5	18.5 +- .6	; 2.8	15.6 +- .6	; 5.1
027	115	4.2	25.1 +- .8	; 3.8	22.0 +- .8	; 5.7
028	95	3.5	25.0 +- .7	; 3.7	21.8 +- .8	; 5.7
029	67	3.4	22.6 +- .7	; 3.4	19.5 +- .7	; 5.4
030	48	4.5	20.0 +- .6	; 3.0	17.1 +- .6	; 5.2
031	14	6.5	22.0 +- .7	; 3.3	19.0 +- .7	; 5.4
032	2	5.1	21.2 +- .6	; 3.2	18.2 +- .7	; 5.3
033	335	3.6	18.9 +- .6	; 2.8	16.0 +- .6	; 5.1
034	288	4.3	21.9 +- .7	; 3.3	18.9 +- .7	; 5.4
035	310	5.2	21.7 +- .6	; 3.2	18.7 +- .7	; 5.4
036	264	3.2	16.7 +- .5	; 2.5	13.9 +- .6	; 5.0
037	237	3.0	23.8 +- .7	; 3.6	20.7 +- .7	; 5.6
038	270	15.	19.4 +- .6	; 2.9	16.5 +- .6	; 5.2
039	270	15	20.4 +- .6	; 3.1	17.5 +- .7	; 5.3
040	203	20	22.5 +- .7	; 3.4	19.4 +- .7	; 5.4
TRANSIT DOSE = 2.2 +- .3 ; 4.6						

CALLAWAY  
FOR THE PERIOD 880321-880715

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
348.75-11.25 (N)	17.5 $\pm$ 1.1	2
11.25-33.75 (NNE)	17.8 $\pm$ 1.6	2
33.75-56.25 (NE)	17.1 $\pm$ 0.0	1
56.25-78.75 (ENE)	18.1 $\pm$ 2.0	2
78.75-101.25 (E)	18.8 $\pm$ 2.8	3
101.25-123.75 (ESE)	21.2 $\pm$ 1.1	2
123.75-146.25 (SE)	17.8 $\pm$ 2.8	2
146.25-168.75 (SSE)	19.3 $\pm$ 3.0	2
168.75-191.25 (S)	18.5 $\pm$ 1.3	2
191.25-213.75 (SSW)	17.5 $\pm$ 0.0	1
213.75-236.25 (SW)	17.3 $\pm$ 1.2	2
236.25-258.75 (WSW)	21.2 $\pm$ .8	4
258.75-281.25 (W)	17.4 $\pm$ 3.3	3
281.25-303.75 (WNW)	18.7 $\pm$ 1.9	3
303.75-326.25 (NW)	18.7 $\pm$ 2.7	3
326.25-348.75 (NNW)	15.9 $\pm$ .1	2

DISTANCE (mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
0-2	18.5 $\pm$ 2.0	14
2-5	18.8 $\pm$ 2.7	13
>5	18.1 $\pm$ 1.8	9
UPWIND CONTROL DATA	17.8 $\pm$ 1.5	3



CALVERT CLIFFS  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 880408-880714 98 DAYS  
 FIELD TIME 77 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)		NET EXPOSURE RATE	
	AZIMUTH (deg.)	DIST (ft.)	+ -	Rdm; Tot.	mR/Std. Dev. + - Rdm; Tot.	
001	275	1.5	14.8	+ - .4 ; 2.2	NO NET DATA	
003	284	1.7	13.8	+ - .4 ; 2.1	NO NET DATA	
004	323	2.4	12.7	+ - .4 ; 1.9	NO NET DATA	
005	297	3.1	15.1	+ - .5 ; 2.3	NO NET DATA	
006	324	4.7	14.5	+ - .4 ; 2.2	NO NET DATA	
007	324	5.5	12.8	+ - .4 ; 1.9	NO NET DATA	
008	256	6.1	14.0	+ - .4 ; 3.1	NO NET DATA	
009	273	4.1	MISSING OR DAMAGED DOSIMETER			
010	253	3.7	15.7	+ - .5 ; 2.4	NO NET DATA	
011	230	4	14.1	+ - .4 ; 2.1	NO NET DATA	
012	243	1.3	13.9	+ - .4 ; 2.1	NO NET DATA	
013	222	1.5	15.2	+ - .5 ; 2.3	NO NET DATA	
014	200	1.8	11.5	+ - .3 ; 1.7	NO NET DATA	
015	176	2.4	16.7	+ - .5 ; 2.5	NO NET DATA	
016	150	1.5	19.0	+ - .6 ; 2.8	NO NET DATA	
019	159	3.8	13.5	+ - .4 ; 2.0	NO NET DATA	
020	139	4.7	14.1	+ - .4 ; 2.1	NO NET DATA	
021	201	4	13.1	+ - .4 ; 2.0	NO NET DATA	
022	187	4.7	12.2	+ - .4 ; 1.8	NO NET DATA	
023	201	8.7	13.2	+ - .4 ; 2.0	NO NET DATA	
024	190	7.8	12.0	+ - .4 ; 1.8	NO NET DATA	
025	325	6.7	12.6	+ - .4 ; 1.9	NO NET DATA	
026	314	11.	12.3	+ - .4 ; 1.8	NO NET DATA	
027	314	11.	12.2	+ - .4 ; 1.8	NO NET DATA	
028	315	10.	15.9	+ - .5 ; 2.4	NO NET DATA	
029	186	12.	15.0	+ - .4 ; 2.2	NO NET DATA	

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



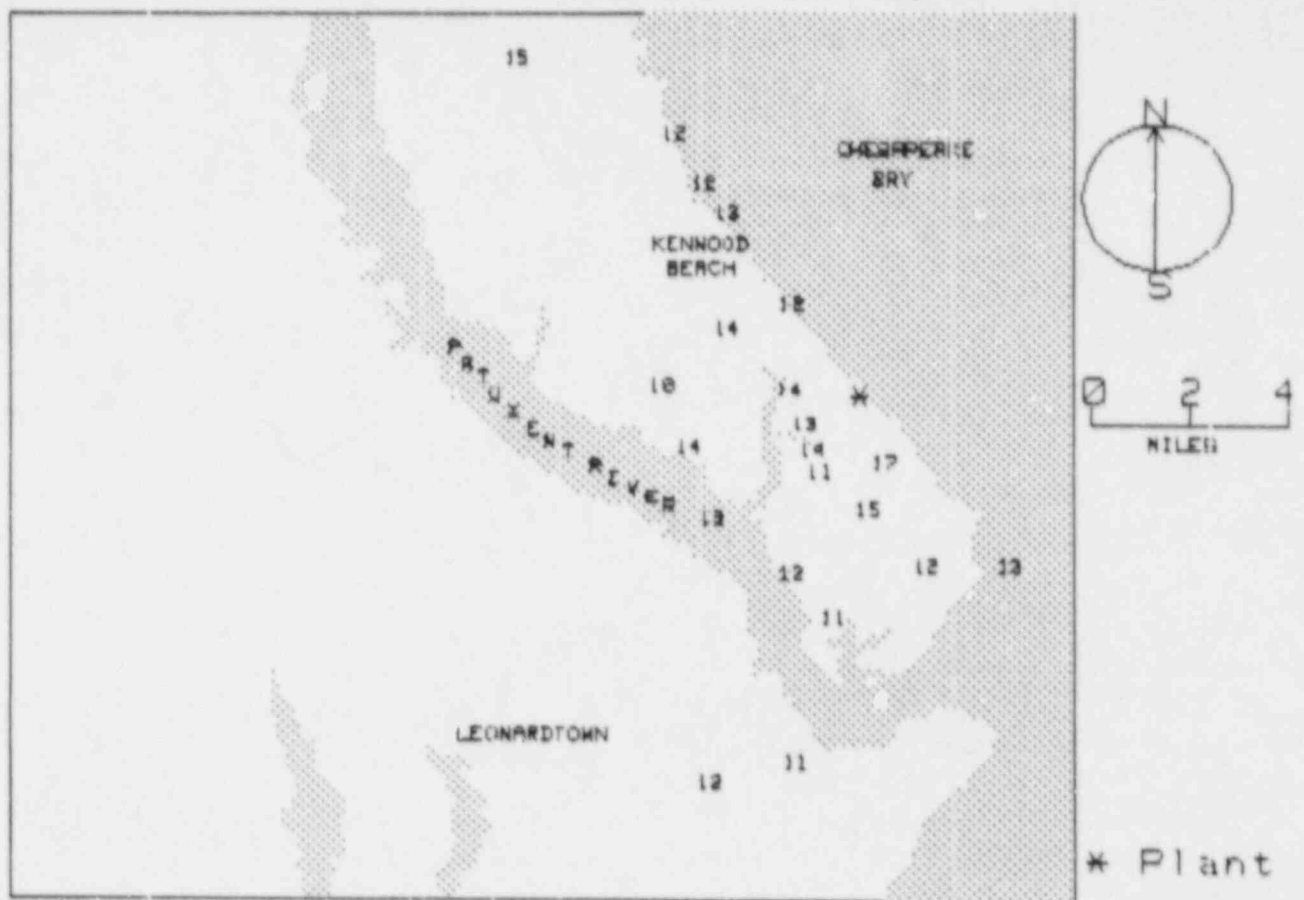
CALVERT CLIFFS  
FOR THE PERIOD 880408-880714

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
348.75-11.25 (N)	NO DATA--NO DATA	0
11.25-33.75 (NNE)	NO DATA--NO DATA	0
33.75-56.25 (NE)	NO DATA--NO DATA	0
56.25-78.75 (ENE)	NO DATA--NO DATA	0
78.75-101.25 (E)	NO DATA--NO DATA	0
101.25-123.75 (ESE)	NO DATA--NO DATA	0
123.75-146.25 (SE)	12.9 $\pm$ 0.0	1
146.25-168.75 (SSE)	14.9 $\pm$ 3.5	2
168.75-191.25 (S)	12.8 $\pm$ 2.1	4
191.25-213.75 (SSW)	11.5 $\pm$ .8	3
213.75-236.25 (SW)	13.5 $\pm$ .7	2
236.25-258.75 (WSW)	13.3 $\pm$ .9	3
258.75-281.25 (W)	13.6 $\pm$ 0.0	1
281.25-303.75 (WNW)	13.2 $\pm$ .9	2
303.75-326.25 (NW)	12.1 $\pm$ .8	4
326.25-348.75 (NNW)	NO DATA--NO DATA	0

DISTANCE (mi) FROM THE REACTOR	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
0-2	13.5 $\pm$ 2.3	6
2-5	13.0 $\pm$ 1.3	10
>5	12.2 $\pm$ 1.0	6
UPWIND CONTROL DATA	12.4 $\pm$ 1.9	3

NRC TLD DOSES FOR CALVERT CLIFFS AREA  
(mR per 90 days)



CATAWBA  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 880323-880719 119 DAYS  
 FIELD TIME 92 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE(mR)		NET EXPOSURE RATE		
	AZIMUTH (deg.)	DIST (mi.)	+ - Rdm	Tot.	mR/Std. Qtr.	+ - Rdm	Tot.
001	134	0.1	25.0	± .7 ; 3.7	18.9	± .8 ; 6.7	
002	162	0.4	20.0	± .6 ; 3.0	14.0	± .7 ; 6.3	
003	132	0.8	23.4	± .7 ; 3.5	17.4	± .8 ; 6.5	
004	111	1.3	20.7	± .6 ; 3.1	14.7	± .7 ; 6.3	
005	045	0.7	20.2	± .6 ; 3.0	14.2	± .7 ; 6.3	
006	298	1.3	22.2	± .7 ; 3.3	16.1	± .8 ; 6.4	
007	094	0.6	19.3	± .6 ; 2.9	13.3	± .7 ; 6.2	
008	332	1.5	24.9	± .7 ; 3.7	18.8	± .8 ; 6.7	
009	318	1.6	MISSING OR DAMAGED DOSIMETER				
010	176	1.8	21.1	± .6 ; 3.2	15.1	± .7 ; 6.4	
011	203	1.5	22.3	± .7 ; 3.3	16.2	± .8 ; 6.4	
012	225	1.5	24.1	± .7 ; 3.6	18.0	± .8 ; 6.6	
013	250	1.9	18.2	± .5 ; 2.7	12.2	± .7 ; 6.2	
014	270	1.4	16.1	± .5 ; 2.4	10.2	± .6 ; 6.0	
015	331	3.0	19.3	± .6 ; 2.9	13.3	± .7 ; 6.2	
016	311	3.9	17.8	± .5 ; 2.7	11.8	± .7 ; 6.1	
017	296	9.5	22.3	± .7 ; 3.3	16.2	± .8 ; 6.4	
018	324	4.8	18.3	± .5 ; 2.7	12.3	± .7 ; 6.2	
019	352	4.8	17.1	± .5 ; 2.6	11.2	± .6 ; 6.1	
020	022	4.0	22.0	± .7 ; 3.3	16.0	± .8 ; 6.4	
021	290	3.9	20.6	± .6 ; 3.1	14.6	± .7 ; 6.3	
022	266	4.0	23.4	± .7 ; 3.5	17.4	± .8 ; 6.5	
023	251	4.0	16.1	± .5 ; 2.4	10.2	± .6 ; 6.0	
024	229	3.9	17.1	± .5 ; 2.6	11.1	± .6 ; 6.1	
025	202	4.4	22.8	± .7 ; 3.4	16.8	± .8 ; 6.5	
026	051	4.3	24.0	± .7 ; 3.6	17.9	± .8 ; 6.6	
027	064	7.9	16.9	± .3 ; 2.5	11.0	± .6 ; 6.1	
028	061	4.9	20.0	± .6 ; 3.0	14.0	± .7 ; 6.3	
029	049	1.9	20.3	± .6 ; 3.0	14.3	± .7 ; 6.3	
030	064	1.8	20.8	± .6 ; 3.1	14.8	± .7 ; 6.3	
031	087	1.6	18.7	± .6 ; 2.8	12.8	± .7 ; 6.2	
032	121	2.6	20.6	± .6 ; 3.1	14.6	± .7 ; 6.3	
033	114	7.6	MISSING OR DAMAGED DOSIMETER				
034	093	4.5	22.1	± .7 ; 3.3	16.1	± .8 ; 6.4	
035	132	4.3	25.3	± .8 ; 3.8	19.2	± .8 ; 6.7	
036	163	8.9	17.9	± .5 ; 2.7	11.9	± .7 ; 6.1	
037	173	4.9	20.4	± .6 ; 3.1	14.4	± .7 ; 6.3	
038	157	4.6	25.7	± .8 ; 3.8	19.6	± .8 ; 6.7	
039	248	10.	22.3	± .7 ; 3.3	16.3	± .8 ; 6.4	
040	229	12.	20.7	± .6 ; 3.1	14.7	± .7 ; 6.3	
041	218	13.	MISSING OR DAMAGED DOSIMETER				
042	213	16.	21.7	± .7 ; 3.3	15.7	± .7 ; 6.4	
TRANSIT DOSE =			5.7	± .4 ; 5.7			

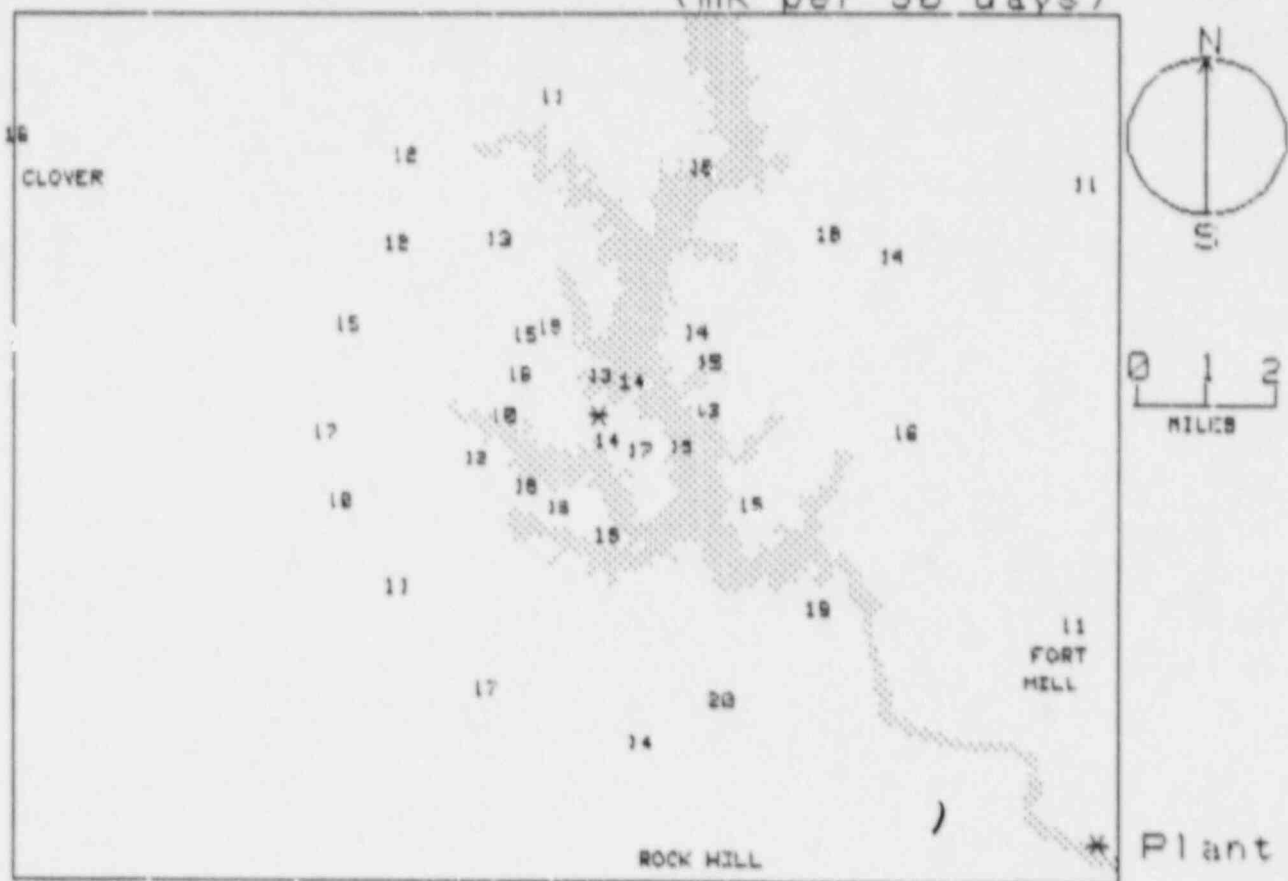
CATAWBA  
FOR THE PERIOD 880323-880719

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
348.75-11.25 (N)	12.2 $\pm$ 1.5	2
11.25-33.75 (NNE)	16.0 $\pm$ 0.0	1
33.75-56.25 (NE)	15.5 $\pm$ 2.1	3
56.25-78.75 (ENE)	13.3 $\pm$ 2.0	3
78.75-101.25 (E)	14.4 $\pm$ 2.4	2
101.25-123.75 (ESE)	14.6 $\pm$ .1	2
123.75-146.25 (SE)	18.5 $\pm$ 1.0	3
146.25-168.75 (SSE)	15.2 $\pm$ 3.9	3
168.75-191.25 (S)	14.7 $\pm$ .4	2
191.25-213.75 (SSW)	16.5 $\pm$ .4	2
213.75-236.25 (SW)	14.5 $\pm$ 4.9	2
236.25-258.75 (WSW)	12.9 $\pm$ 3.1	3
258.75-281.25 (W)	13.8 $\pm$ 5.0	2
281.25-303.75 (WNW)	15.7 $\pm$ .9	3
303.75-326.25 (NW)	12.1 $\pm$ .3	2
326.25-348.75 (NNW)	16.1 $\pm$ 3.9	2

DISTANCE(mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
0-2	15.1 $\pm$ 2.4	16
2-5	14.7 $\pm$ 2.9	17
>5	13.8 $\pm$ 2.6	4
UPWIND CONTROL DATA	15.2 $\pm$ .7	2

NRC TLD DOSES FOR CATAWBA AREA  
(mR per 90 days)



CLINTON  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 880315-880715 123 DAYS  
 FIELD TIME 87 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE(mR)			NET EXPOSURE RATE		
	AZIMUTH (deg.)	DIST (mi.)	+- Rdn;Tot.			mR/Std.Qtr. +- Rdn;Tot.		
001	352	0.6	24.7	+- .7	3.7	22.0	+- .8	6.2
002	7	0.7	21.8	+- .7	3.3	19.0	+- .8	5.9
003	26	0.8	23.1	+- .7	3.5	20.4	+- .8	6.0
004	165	0.5	21.1	+- .6	3.2	18.3	+- .7	5.9
005	187	0.5	20.9	+- .6	3.1	18.0	+- .7	5.0
006	223	0.6	21.8	+- .7	3.3	19.0	+- .8	5.9
007	238	0.8	MISSING OR DAMAGED DOSIMETER					
008	62	1.9	20.2	+- .6	3.0	17.3	+- .7	5.0
009	78	1.0	20.8	+- .6	3.1	17.9	+- .7	5.0
010	79	2.6	21.7	+- .6	3.2	18.9	+- .7	5.9
011	104	2.9	20.6	+- .6	3.1	17.8	+- .7	5.0
012	115	3.0	18.8	+- .6	2.8	15.9	+- .7	5.7
013	127	3.2	20.0	+- .6	3.0	17.1	+- .7	5.0
014	160	2.1	20.8	+- .6	3.1	17.9	+- .7	5.0
015	180	3.0	MISSING OR DAMAGED DOSIMETER					
016	203	3.2	20.1	+- .6	3.0	17.3	+- .7	5.0
017	235	3.7	20.6	+- .6	3.1	17.7	+- .7	5.0
018	255	2.8	MISSING OR DAMAGED DOSIMETER					
019	275	2.9	20.2	+- .6	3.0	17.4	+- .7	5.0
020	302	0.9	20.0	+- .6	3.0	17.1	+- .7	5.0
021	305	0.8	20.9	+- .6	3.1	18.0	+- .7	5.0
022	332	0.6	20.9	+- .6	3.1	18.1	+- .7	5.9
023	350	4.6	21.2	+- .6	3.2	18.3	+- .7	5.9
024	20	3.9	19.6	+- .6	2.9	16.7	+- .7	5.7
025	46	5.0	21.5	+- .6	3.2	18.7	+- .7	5.9
026	62	5.5	19.0	+- .6	2.9	16.1	+- .7	5.7
027	90	4.0	19.0	+- .6	2.9	16.7	+- .7	5.7
028	115	5.2	21.0	+- .6	3.1	18.1	+- .7	5.9
029	120	5.1	20.5	+- .6	3.1	17.7	+- .7	5.0
030	153	5.0	MISSING OR DAMAGED DOSIMETER					
031	173	5.2	20.1	+- .6	3.0	17.3	+- .7	5.0
032	205	4.7	20.2	+- .6	3.0	17.4	+- .7	5.0
033	236	5.4	20.0	+- .6	3.0	17.1	+- .7	5.0
034	252	5.0	20.1	+- .6	3.0	17.2	+- .7	5.0
035	263	6.6	17.3	+- .5	2.6	14.4	+- .6	5.6
036	272	4.0	20.4	+- .6	3.1	17.6	+- .7	5.0
037	286	4.0	19.9	+- .6	3.0	17.0	+- .7	5.0
038	297	7.6	17.4	+- .5	2.6	14.4	+- .6	5.6
039	315	5.1	20.0	+- .6	3.1	17.9	+- .7	5.0
040	342	4.0	20.4	+- .6	3.1	17.5	+- .7	5.0
041	657	10.	20.4	+- .6	3.1	17.5	+- .7	5.0
042	140	14.	19.7	+- .6	3.0	16.0	+- .7	5.0
043	140	14.	20.0	+- .6	3.0	17.1	+- .7	5.0
044	206	15.	17.3	+- .5	2.6	14.4	+- .6	5.6
TRANSIT DOSE = 3.4 +- .3 ; 4.7								

CLINTON  
FOR THE PERIOD 880315-880715

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
348.75-11.25 (N)	19.8 $\pm$ 1.9	3
11.25-33.75 (NNE)	18.5 $\pm$ 2.6	2
33.75-56.25 (NE)	18.7 $\pm$ 0.0	1
56.25-78.75 (ENE)	17.2 $\pm$ .8	4
78.75-101.25 (E)	17.8 $\pm$ 1.5	2
101.25-123.75 (ESE)	17.3 $\pm$ 1.2	3
123.75-146.25 (SE)	17.4 $\pm$ .4	2
146.25-168.75 (SSE)	18.1 $\pm$ .3	2
168.75-191.25 (S)	17.6 $\pm$ .5	2
191.25-213.75 (SSW)	17.3 $\pm$ .1	2
213.75-236.25 (SW)	17.9 $\pm$ .9	3
236.25-258.75 (WSW)	17.2 $\pm$ 0.0	1
258.75-281.25 (W)	16.4 $\pm$ 1.6	3
281.25-303.75 (WNW)	16.2 $\pm$ 1.5	3
303.75-326.25 (NW)	18.0 $\pm$ .1	2
326.25-348.75 (NNW)	17.8 $\pm$ .4	2

DISTANCE (mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
0-2	18.6 $\pm$ 1.4	11
2-5	17.5 $\pm$ .8	16
>5	16.8 $\pm$ 1.4	10
UPWIND CONTROL DATA	16.1 $\pm$ 1.5	3





COMANCHE PK.  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 880317-880802 139 DAYS  
 FIELD TIME 101 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE(mR)			NET EXPOSURE RATE		
	AZIMUTH (deg.)	DIST (mi.)	+- Rdm;Tot.			mR/Std.Qtr. +- Rdm;Tot.		
001	306	1.4	19.9	+-	.6 ; 3.0	14.6	+-	.6 ; 5.4
002	285	1.5	21.6	+-	.6 ; 3.2	16.1	+-	.7 ; 5.5
003	268	1.1	19.5	+-	.6 ; 2.9	14.2	+-	.6 ; 5.4
004	253	.9	MISSING OR DAMAGED DOSIMETER					
005	218	1.0	21.0	+-	.7 ; 3.3	16.3	+-	.7 ; 5.6
006	200	1	19.1	+-	.6 ; 2.9	13.9	+-	.6 ; 5.4
007	180	1.4	18.9	+-	.6 ; 2.8	13.7	+-	.6 ; 5.4
008	163	1.6	22.0	+-	.7 ; 3.3	16.4	+-	.7 ; 5.6
009	140	1.6	21.3	+-	.6 ; 3.2	15.8	+-	.7 ; 5.5
010	118	1.5	18.7	+-	.6 ; 2.8	13.5	+-	.6 ; 5.4
011	93	1.9	22.2	+-	.7 ; 3.3	16.6	+-	.7 ; 5.6
012	73	2.4	22.5	+-	.7 ; 3.4	16.9	+-	.7 ; 5.6
013	245	1.7	19.6	+-	.6 ; 2.9	14.3	+-	.6 ; 5.4
014	156	4.3	19.5	+-	.6 ; 2.9	14.2	+-	.6 ; 5.4
015	186	7	21.6	+-	.6 ; 3.2	16.1	+-	.7 ; 5.5
016	183	4.1	21.6	+-	.6 ; 3.2	16.1	+-	.7 ; 5.5
017	205	4.3	20.3	+-	.6 ; 3.0	15.0	+-	.6 ; 5.5
018	225	3.4	MISSING OR DAMAGED DOSIMETER					
019	245	5.2	21.2	+-	.6 ; 3.2	15.8	+-	.6 ; 5.5
020	264	5.0	19.8	+-	.6 ; 2.9	14.2	+-	.6 ; 5.4
021	258	3.2	19.3	+-	.6 ; 2.9	14.1	+-	.6 ; 5.4
022	284	5.1	18.4	+-	.6 ; 2.8	13.3	+-	.6 ; 5.3
023	313	5.0	21.3	+-	.6 ; 3.2	15.8	+-	.7 ; 5.5
024	332	4.9	19.7	+-	.6 ; 3.0	14.4	+-	.6 ; 5.4
025	9	4.6	20.9	+-	.6 ; 3.1	15.4	+-	.6 ; 5.5
026	26	4.5	19.0	+-	.6 ; 3.0	14.5	+-	.6 ; 5.4
027	47	4.1	19.5	+-	.6 ; 2.9	14.2	+-	.6 ; 5.4
028	6	1.0	19.5	+-	.6 ; 2.9	14.2	+-	.6 ; 5.4
029	16	1.9	19.7	+-	.6 ; 3.0	14.4	+-	.6 ; 5.4
030	182	3	20.0	+-	.6 ; 3.1	15.4	+-	.6 ; 5.5
031	188	3.9	21.0	+-	.6 ; 3.1	15.5	+-	.6 ; 5.5
032	135	4.6	21.0	+-	.6 ; 3.2	15.6	+-	.6 ; 5.5
033	152	6.3	19.7	+-	.6 ; 3.0	14.4	+-	.6 ; 5.4
034	47	2.9	18.9	+-	.6 ; 2.8	13.7	+-	.6 ; 5.4
035	85	4.0	20.0	+-	.6 ; 3.0	14.6	+-	.6 ; 5.4
036	115	7.5	19.4	+-	.6 ; 2.9	14.1	+-	.6 ; 5.4
037	355	9.4	20.2	+-	.6 ; 3.0	14.8	+-	.6 ; 5.4
038	337	9.2	18.0	+-	.6 ; 2.8	13.6	+-	.6 ; 5.4
039	310	9.0	20.3	+-	.6 ; 3.0	15.0	+-	.6 ; 5.5
040	302	8.1	20.0	+-	.6 ; 3.0	14.7	+-	.6 ; 5.4
041	248	7.9	21.2	+-	.6 ; 3.2	15.8	+-	.6 ; 5.5
042	90	.5	19.0	+-	.6 ; 3.0	14.5	+-	.6 ; 5.4
043	18	9.0	20.0	+-	.6 ; 3.1	15.4	+-	.6 ; 5.5
044	263	1.7	19.2	+-	.6 ; 2.9	13.9	+-	.6 ; 5.4
045	218	12.	20.3	+-	.6 ; 3.0	14.9	+-	.6 ; 5.5
046	140	12.	19.4	+-	.6 ; 2.9	14.2	+-	.6 ; 5.4
047	301	21.	MISSING OR DAMAGED DOSIMETER					
TRANSIT DOSE * 3.5 +- .4 ; 5.3								

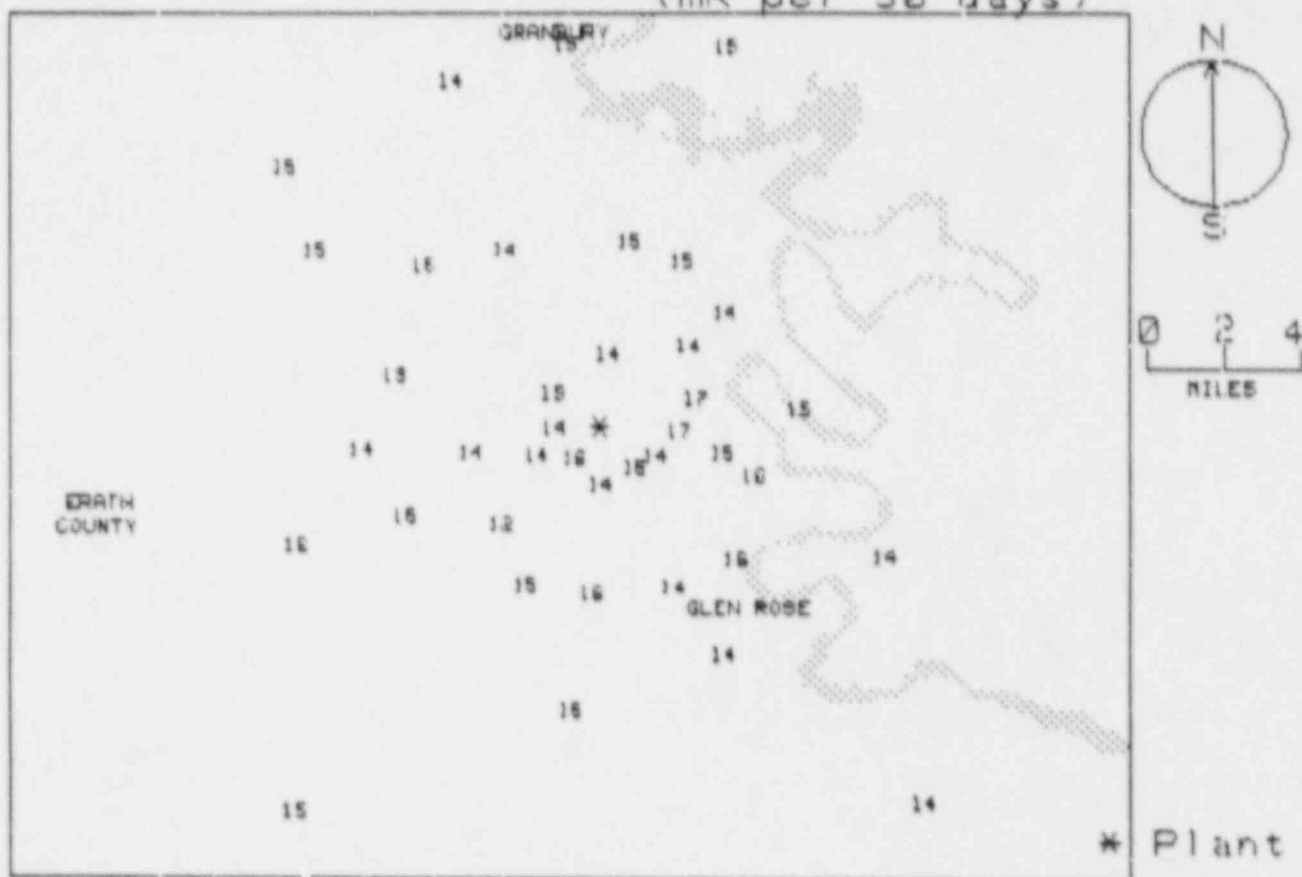
COMANCHE PK.  
FOR THE PERIOD 880317-880802

## TLD DIRECT IRRADIATION ENVIRONMENTAL MONITORING

AZIMUTH (Mag.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
348.75-11.25 (N)	14.8 $\pm$ .8	3
11.25-33.75 (NNE)	14.8 $\pm$ .5	3
33.75-56.25 (NE)	14.8 $\pm$ .4	2
56.25-78.75 (ENE)	16.8 $\pm$ 0.0	1
78.75-101.25 (E)	15.3 $\pm$ 1.2	3
101.25-123.75 (ESE)	14.8 $\pm$ 1.0	4
123.75-146.25 (SE)	15.2 $\pm$ .8	3
146.25-168.75 (SSE)	15.8 $\pm$ 1.2	3
168.75-191.25 (S)	15.3 $\pm$ 1.4	3
191.25-213.75 (SSW)	14.4 $\pm$ .8	2
213.75-236.25 (SW)	15.6 $\pm$ 1.0	2
236.25-258.75 (WSW)	15.8 $\pm$ .9	4
258.75-281.25 (W)	14.1 $\pm$ .2	3
281.25-303.75 (WNW)	14.7 $\pm$ 1.4	3
303.75-326.25 (NW)	15.1 $\pm$ .7	3
326.25-348.75 (NNW)	14.8 $\pm$ .8	2

DISTANCE (mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
0-2	14.8 $\pm$ 1.1	15
2-5	15.8 $\pm$ .9	14
>5	14.8 $\pm$ .8	15
UPWIND CONTROL DATA	NO DATA	NO DATA

NRC TLD DOSES FOR COMANCHE PEAK AREA  
(mR per 90 days)



COOPER  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 8/23/78-080802 139 DAYS  
 FIELD TIME 112 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)			NET EXPOSURE RATE				
	AZIMUTH (deg.)	DIST (mi.)	EXPOSURE (mR)			mR/Std.Qtr.				
			+- Rdm;Tot.			+- Rdm;Tot.				
001	363	2.4	26.6	+-	.0	4.0	19.9	+- .7	5.3	
002	6	3.5	26.1	+-	.0	3.9	19.5	+- .7	5.2	
003	18	2.7	26.2	+-	.0	3.9	19.5	+- .7	5.2	
004	16	3.2	26.3	+-	.0	3.9	19.5	+- .7	5.3	
005	47	1.9	28.1	+-	.0	4.2	21.0	+- .7	5.4	
006	40	3.6	25.9	+-	.0	3.9	19.0	+- .7	5.2	
007	75	2.7	26.0	+-	.0	3.9	19.4	+- .7	5.2	
008	55	2.8	26.3	+-	.0	3.9	19.5	+- .7	5.3	
009	80	2.1	27.3	+-	.0	4.1	20.4	+- .7	5.3	
010	98	3.7	25.1	+-	.0	3.8	18.7	+- .7	5.2	
011	118	2.3	27.7	+-	.0	4.1	20.7	+- .7	5.4	
012	109	4.6	27.4	+-	.0	4.1	20.5	+- .7	5.3	
013	141	3.2	26.7	+-	.0	4.0	20.0	+- .7	5.3	
014	126	5.6	24.0	+-	.7	3.5	17.0	+- .6	5.1	
015	159	2.7	25.8	+-	.0	3.9	19.0	+- .7	5.2	
016	167	4.9	27.4	+-	.0	4.1	20.5	+- .7	5.3	
017	205	0.9	28.7	+-	.9	4.3	21.5	+- .7	5.4	
018	186	4.7	26.4	+-	.0	4.0	19.7	+- .7	5.3	
019	213	3.0	26.6	+-	.0	4.0	19.9	+- .7	5.3	
020	195	4.9	26.4	+-	.0	4.0	19.7	+- .7	5.3	
021	232	2.0	25.2	+-	.0	3.8	18.8	+- .7	5.2	
022	215	5.7	26.7	+-	.0	4.0	20.0	+- .7	5.3	
023	256	1.5	26.9	+-	.0	4.0	20.1	+- .7	5.3	
024	238	5.2	27.4	+-	.0	4.1	20.5	+- .7	5.3	
025	276	2.2	28.5	+-	.9	4.3	21.4	+- .7	5.4	
026	260	3.8	28.1	+-	.0	4.2	21.0	+- .7	5.4	
027	301	1.8	27.4	+-	.0	4.1	20.5	+- .7	5.3	
028	286	4.3	26.5	+-	.0	4.0	19.8	+- .7	5.3	
029	324	2.8	26.9	+-	.0	4.0	20.1	+- .7	5.3	
030	333	3.7	27.8	+-	.0	4.2	20.8	+- .7	5.4	
031	343	2.6	26.6	+-	.0	4.0	19.9	+- .7	5.3	
032	333	3.7	27.7	+-	.0	4.1	20.7	+- .7	5.4	
033	215	1.8	27.1	+-	.0	4.1	20.3	+- .7	5.3	
034	173	1.8	MISSING OR DAMAGED DOSIMETER							
035	333	2.3	25.1	+-	.0	3.8	18.7	+- .7	5.2	
036	210	1.9	26.8	+-	.0	4.0	20.0	+- .7	5.3	
037	64	7.0	29.3	+-	.9	4.4	22.1	+- .8	5.5	
038	329	9.0	30.3	+-	.9	4.5	22.8	+- .8	5.6	
039	276	1.8	25.2	+-	.0	3.8	18.8	+- .7	5.2	
040	300	2.5	31.0	+-	.9	4.5	23.4	+- .8	5.6	
042	93	3.5	25.3	+-	.0	3.8	18.8	+- .7	5.2	
043	270	2.2	29.8	+-	.9	4.4	21.8	+- .7	5.5	
049	245	1.6	MISSING OR DAMAGED DOSIMETER							
TRANSIT DOSE *			1.9	+-	.3	5.2				

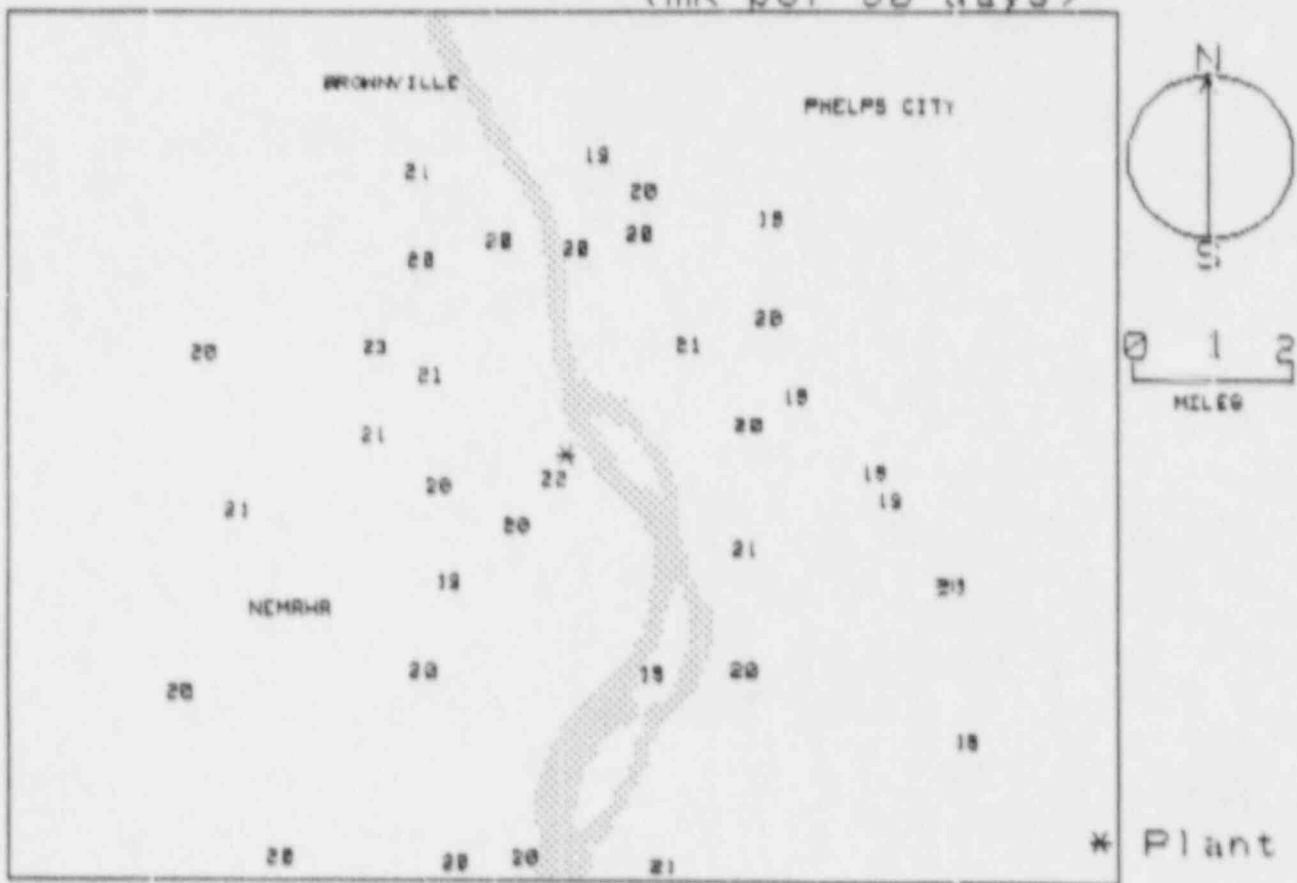
COOPER  
FOR THE PERIOD 880317-880802

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
348.75-11.25 (N)	19.7 $\pm$ .3	2
11.25-33.75 (NNE)	19.8 $\pm$ .1	2
33.75-56.25 (NE)	20.0 $\pm$ .8	9
56.25-78.75 (ENE)	20.7 $\pm$ 1.0	2
78.75-101.25 (E)	19.3 $\pm$ 1.0	9
101.25-123.75 (ESE)	20.6 $\pm$ .2	2
123.75-146.25 (SE)	18.9 $\pm$ 1.6	2
146.25-168.75 (SSE)	19.8 $\pm$ .8	2
168.75-191.25 (S)	19.7 $\pm$ 0.0	1
191.25-213.75 (SSW)	20.4 $\pm$ 1.0	9
213.75-236.25 (SW)	19.7 $\pm$ .8	2
236.25-258.75 (WSW)	20.3 $\pm$ .3	2
258.75-281.25 (W)	20.7 $\pm$ 1.4	4
281.25-303.75 (WNW)	21.2 $\pm$ 1.0	9
303.75-326.25 (NW)	20.1 $\pm$ 0.0	1
326.25-348.75 (NNW)	21.1 $\pm$ 1.2	4

DISTANCE (mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
0-2	20.4 $\pm$ 1.0	2
2-5	20.1 $\pm$ 1.0	27
>5	20.3 $\pm$ 1.0	6
UPWIND CONTROL DATA	19.4 $\pm$ 1.0	2

NRC TLD DOSES FOR COOPER AREA  
(mR per 90 days)



CRYSTAL RIVER  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 890323-890721 121 DAYS  
 FIELD TIME 103 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE(mR)		NET EXPOSURE RATE mR/Std.Qtr.	
	AZIMUTH (deg.)	DIST (mi.)	+ Rdm	Tot.	+ Rdm	Tot.
006	61	4.2	15.8 +- .5	2.4	11.8 +- .5	4.0
007	50	3.8	15.8 +- .5	2.4	11.9 +- .5	4.0
008	20	5.2	17.5 +- .5	2.6	13.3 +- .5	4.9
009	6	5.4	19.9 +- .6	3.0	15.4 +- .6	5.1
010	348	5.0	17.9 +- .5	2.7	13.7 +- .5	4.9
011	334	4.8	17.8 +- .5	2.7	13.6 +- .5	4.9
012	318	4.8	17.8 +- .5	2.6	12.9 +- .5	4.9
013	79	3.8	17.3 +- .5	2.5	13.1 +- .5	4.9
014	95	4.1	15.7 +- .5	2.3	11.8 +- .5	4.0
015	89	1.8	19.5 +- .6	2.9	15.1 +- .6	5.0
016	113	5.0	16.7 +- .5	2.5	12.7 +- .5	4.9
017	133	5.5	17.8 +- .5	2.6	12.9 +- .5	4.9
018	74	8.1	15.8 +- .5	2.4	11.8 +- .5	4.0
019	127	7.6	17.1 +- .5	2.6	13.8 +- .5	4.9
020	150	12'	15.9 +- .5	2.4	11.9 +- .5	4.0
021	159	13'	17.1 +- .5	2.6	13.8 +- .5	4.9
022	150	13'	15.9 +- .5	2.4	11.9 +- .5	4.0
023	150	21'	15.7 +- .5	2.4	11.8 +- .5	4.0
024	150	21'	15.3 +- .5	2.3	11.4 +- .5	4.0
025	56	6.1	17.3 +- .5	2.6	13.1 +- .5	4.9
026	357	5.2	16.6 +- .5	2.5	12.6 +- .5	4.9
027	90'	13.	17.2 +- .5	2.6	13.1 +- .5	4.9
028	140	4.8	17.8 +- .5	2.7	13.6 +- .5	4.9
TRANSIT DOSE *	2.2 +- .3					5.0

CRYSTAL RIVER  
FOR THE PERIOD 880323-880721

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
348.75-11.25 (N)	14.8 $\pm$ 2.0	2
11.25-33.75 (NNE)	13.3 $\pm$ 8.0	1
33.75-56.25 (NE)	12.5 $\pm$ .8	2
56.25-78.75 (ENE)	11.8 $\pm$ 8.0	2
78.75-101.25 (E)	13.3 $\pm$ 1.4	4
101.25-123.75 (ESE)	12.7 $\pm$ 8.0	1
123.75-146.25 (SE)	13.2 $\pm$ .4	3
146.25-168.75 (SSE)	12.4 $\pm$ .7	2
168.75-191.25 (S)	NO DATA $\pm$ NO DATA	0
191.25-213.75 (SSW)	NO DATA $\pm$ NO DATA	0
213.75-236.25 (SW)	NO DATA $\pm$ NO DATA	0
236.25-258.75 (WSW)	NO DATA $\pm$ NO DATA	0
258.75-281.25 (W)	NO DATA $\pm$ NO DATA	0
281.25-303.75 (WNW)	NO DATA $\pm$ NO DATA	0
303.75-326.25 (NW)	12.9 $\pm$ 8.0	1
326.25-348.75 (NNW)	13.7 $\pm$ .1	2

DISTANCE (mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
0-2	15.1 $\pm$ 8.0	1
2-5	12.8 $\pm$ .8	9
>5	13.8 $\pm$ 1.0	10
UPWIND CONTROL DATA	11.7 $\pm$ .2	9





DAVIS BESSE  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 880321-880715 117 DAYS  
 FIELD TIME 85 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)		NET EXPOSURE RATE	
	AZIMUTH (deg.)	DIST (mi.)	+ - Rdm	Tot.	+ - Rdm	Tot.
001	50	0.6	15.1	.5 ; 2.3	12.7	.6 ; 5.3
002	06	0.9	14.7	.4 ; 2.2	12.4	.6 ; 5.3
003	116	1.4	14.2	.4 ; 2.1	11.8	.6 ; 5.3
004	172	0.8	MISSING OR DAMAGED DOSIMETER			
005	200	1.5	19.9	.6 ; 3.0	17.9	.7 ; 5.7
006	226	1.0	16.9	.5 ; 2.5	14.6	.6 ; 5.5
007	249	1.5	17.1	.5 ; 2.6	14.9	.6 ; 5.5
008	267	1.8	18.1	.5 ; 2.7	16.0	.7 ; 5.6
009	285	1.8	16.7	.5 ; 2.5	14.4	.6 ; 5.4
010	306	1.5	MISSING OR DAMAGED DOSIMETER			
011	344	0.9	16.6	.5 ; 2.5	14.4	.6 ; 5.4
012	142	4.5	18.6	.6 ; 2.8	16.4	.7 ; 5.6
013	158	4.0	MISSING OR DAMAGED DOSIMETER			
014	180	3.8	18.0	.5 ; 2.7	15.8	.7 ; 5.5
015	207	4.8	18.8	.6 ; 2.8	16.7	.7 ; 5.6
016	225	4.5	18.2	.5 ; 2.7	16.0	.7 ; 5.6
017	254	2.7	21.1	.6 ; 3.2	19.1	.7 ; 5.8
018	269	3.0	18.9	.6 ; 2.8	16.8	.7 ; 5.6
019	295	5.3	20.3	.6 ; 3.0	18.3	.7 ; 5.7
020	25	0.5	15.2	.5 ; 2.3	12.8	.6 ; 5.3
021	132	9.7	18.5	.6 ; 2.8	16.4	.7 ; 5.6
022	210	6.5	18.0	.5 ; 2.7	15.9	.7 ; 5.5
TRANSIT DOSE =		3.0	+ -	.3 ; 4.5		

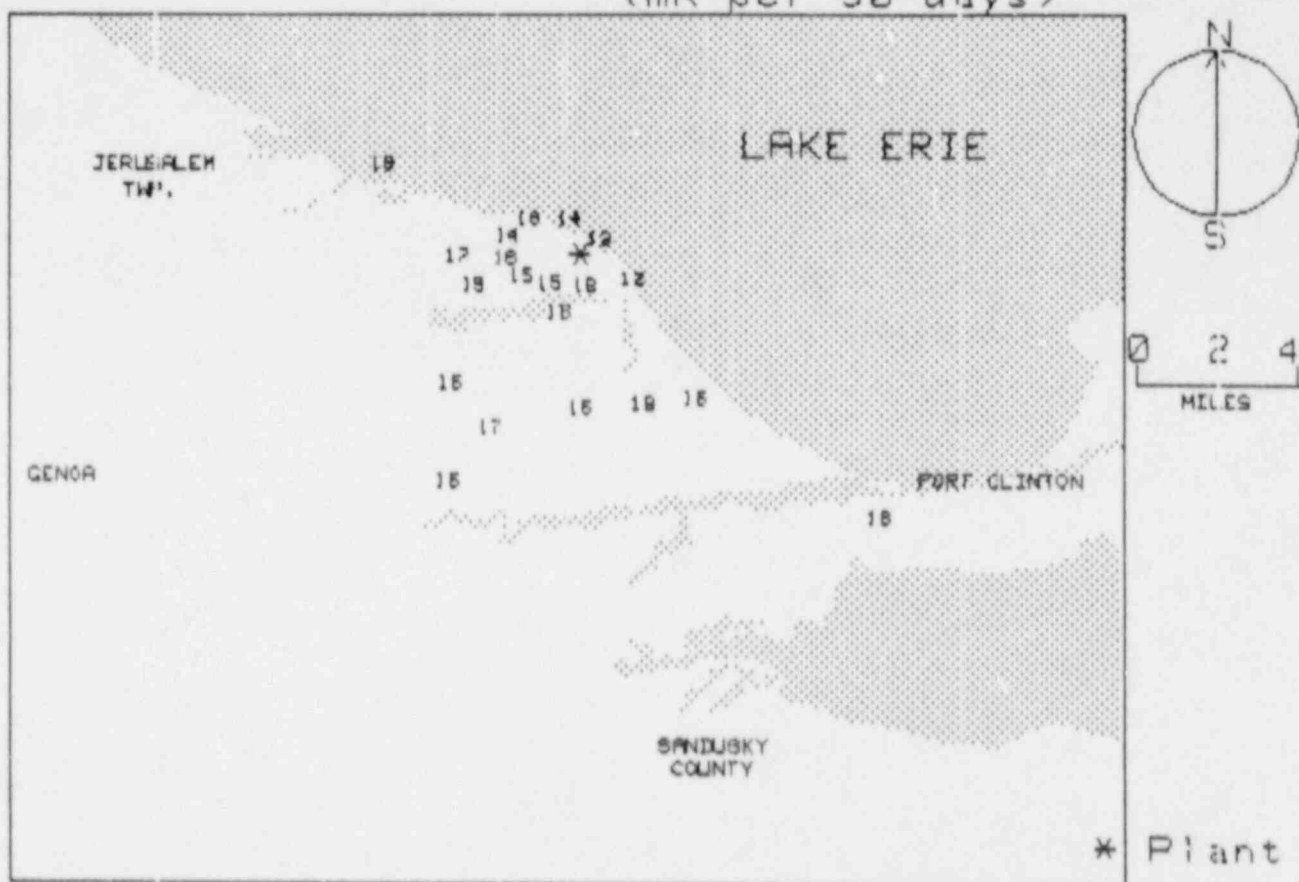
DAVIS BESSE  
FOR THE PERIOD 880321-880715

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	# IN GROUP
348.75-11.25 (N)	NO DATA+-NO DATA	0
11.25-33.75 (NNE)	12.8 $\pm$ 0.0	1
33.75-56.25 (NE)	12.7 $\pm$ 0.0	1
56.25-78.75 (ENE)	NO DATA+-NO DATA	0
78.75-101.25 (E)	12.4 $\pm$ 0.0	1
101.25-123.75 (ESE)	11.8 $\pm$ 0.0	1
123.75-146.25 (SE)	16.4 $\pm$ 0.0	1
146.25-168.75 (SSE)	NO DATA+-NO DATA	0
168.75-191.25 (S)	15.8 $\pm$ 0.0	1
191.25-213.75 (SSW)	17.3 $\pm$ .8	2
213.75-236.25 (SW)	15.3 $\pm$ 1.0	2
236.25-258.75 (WSW)	17.0 $\pm$ 3.0	2
258.75-281.25 (W)	16.4 $\pm$ .8	2
281.25-303.75 (WNW)	16.4 $\pm$ 2.7	2
303.75-326.25 (NW)	NO DATA+-NO DATA	0
326.25-348.75 (NNW)	14.4 $\pm$ 0.0	1

DISTANCE(mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	# IN GROUP
0-2	14.2 $\pm$ 1.8	10
2-5	16.8 $\pm$ 1.2	6
>5	18.3 $\pm$ 2.0	1
UPWIND CONTROL DATA	16.1 $\pm$ .4	2

NRC TLD DOSES FOR DAVIS-BESSE AREA  
(mR per 90 days)



D.C. COOK  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 880321-880719 121 DAYS  
 FIELD TIME 91 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)		NET EXPOSURE RATE mR/Std. Qtr.	
	AZIMUTH (deg.)	DIST (mi.)	+ Rdm	Tot.	+ Rdm	Tot.
001	54	1.7	17.5	+ .5 ; 2.6	13.3	+ .6 ; 5.7
002	67	1.3	22.6	+ .7 ; 3.4	18.3	+ .8 ; 6.0
003	89	1.1	18.0	+ .5 ; 2.7	13.8	+ .6 ; 5.7
004	58	0.7	16.4	+ .5 ; 2.5	12.2	+ .6 ; 5.6
005	19	2.3	17.8	+ .5 ; 2.7	13.6	+ .6 ; 5.7
006	111	1.6	17.8	+ .5 ; 2.7	13.6	+ .6 ; 5.7
007	135	1.5	17.2	+ .5 ; 2.6	13.0	+ .6 ; 5.6
008	158	1.4	22.7	+ .7 ; 3.4	18.4	+ .8 ; 6.0
009	171	1.9	17.9	+ .5 ; 2.7	13.7	+ .6 ; 5.7
010	199	1.5	17.6	+ .5 ; 2.6	13.4	+ .6 ; 5.7
011	195	3.9	18.0	+ .5 ; 2.7	13.8	+ .6 ; 5.7
012	200	6.6	18.5	+ .6 ; 2.8	14.2	+ .6 ; 5.7
013	179	3.9	MISSING OR DAMAGED DOSIMETER			
014	151	4.4	20.4	+ .6 ; 3.1	16.2	+ .7 ; 5.9
015	130	4.6	21.8	+ .7 ; 3.3	17.5	+ .7 ; 6.0
016	110	3.7	20.2	+ .6 ; 3.0	16.0	+ .7 ; 5.9
017	88	3.6	19.4	+ .6 ; 2.9	15.1	+ .7 ; 5.7
018	67	3.8	18.7	+ .6 ; 2.8	14.5	+ .7 ; 5.7
019	24	3.8	18.0	+ .5 ; 2.7	13.8	+ .6 ; 5.7
020	43	3.3	24.1	+ .7 ; 3.6	19.8	+ .8 ; 6.2
021	26	5.9	22.2	+ .7 ; 3.3	17.9	+ .7 ; 6.0
022	121	18.	17.8	+ .5 ; 2.7	13.6	+ .6 ; 5.7
023	121	18.	18.2	+ .5 ; 2.7	14.0	+ .6 ; 5.7
024	121	18.	22.6	+ .7 ; 3.4	18.3	+ .8 ; 6.0
TRANSIT DOSE =			4.0	+ .3 ; 5.1		

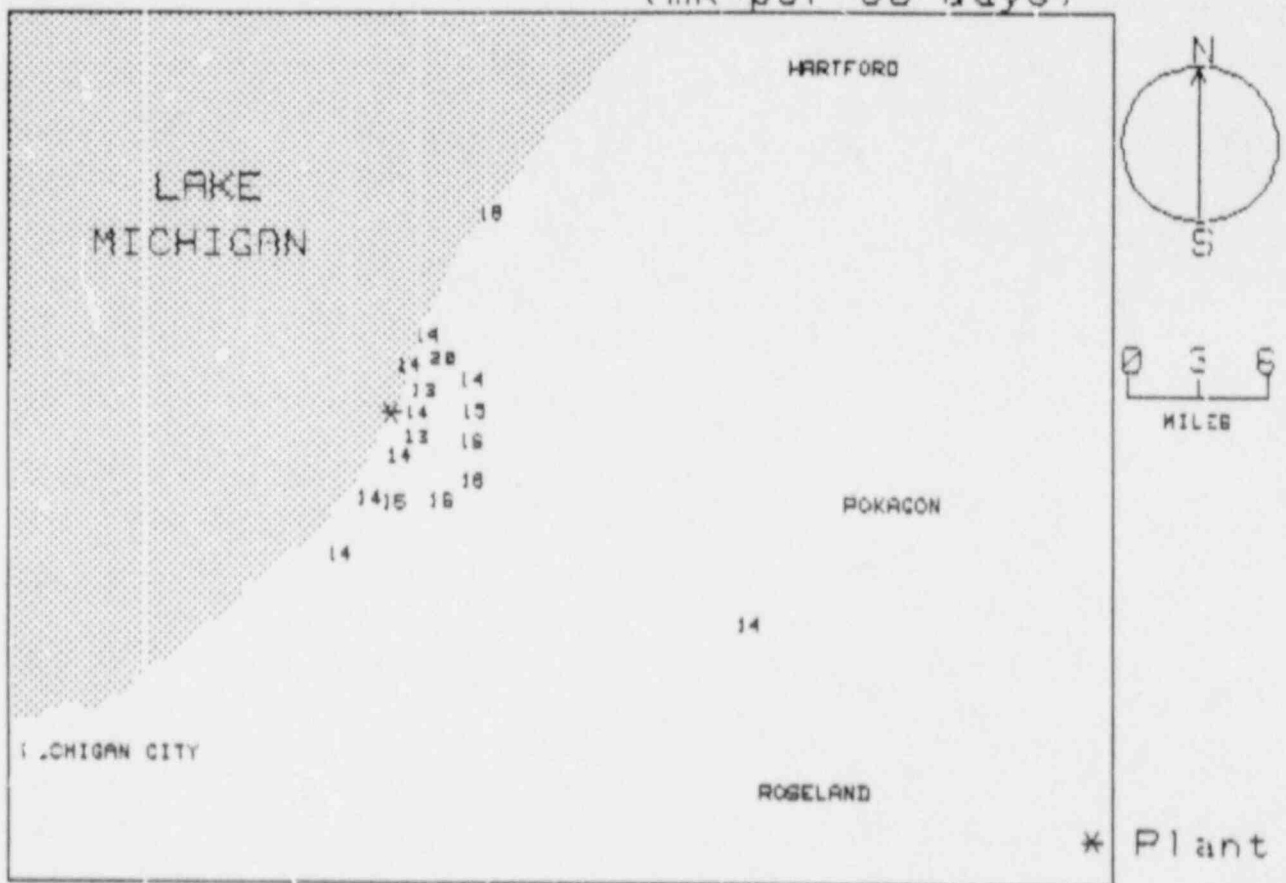
D.C. COOK  
FOR THE PERIOD 880321-880719

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
348.75-11.25 (N)	NO DATA+-NO DATA	0
11.25-33.75 (NNE)	15.1 $\pm$ 2.4	3
33.75-56.25 (NE)	6.8 $\pm$ 4.6	2
56.25-78.75 (ENE)	15.0 $\pm$ 3.1	3
78.75-101.25 (E)	14.4 $\pm$ 1.0	2
101.25-123.75 (ESE)	14.8 $\pm$ 1.7	2
123.75-146.25 (SE)	15.3 $\pm$ 3.2	2
146.25-168.75 (SSE)	17.3 $\pm$ 1.6	2
168.75-191.25 (S)	13.7 $\pm$ 0.0	1
191.25-213.75 (SSW)	13.8 $\pm$ .4	3
213.75-236.25 (SW)	NO DATA+-NO DATA	0
236.25-258.75 (WSW)	NO DATA+-NO DATA	0
258.75-281.25 (W)	NO DATA+-NO DATA	0
281.25-303.75 (WNW)	NO DATA+-NO DATA	0
303.75-326.25 (NW)	NO DATA+-NO DATA	0
326.25-348.75 (NNW)	NO DATA+-NO DATA	0

DISTANCE (mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
0-2	14.4 $\pm$ 2.3	9
2-5	15.8 $\pm$ 2.1	9
>5	16.1 $\pm$ 2.6	2
UPWIND CONTROL DATA	15.3 $\pm$ 2.6	3

NRC TLD DOSES FOR D.C. COOK AREA  
(mR per 90 days)



DIABLO CANYON  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 880316-880719 126 DAYS  
 FIELD TIME 101 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)			NET EXPOSURE RATE mR/Std. Qtr.		
	AZIMUTH (deg.)	DIST (mi.)	+- Rdm; Tot.			+- Rdm; Tot.		
001	125	1.0	28.9 +- .9	4.3	24.4 +- .8	5.7		
002	119	4.2	25.6 +- .8	3.8	21.4 +- .7	5.4		
003	107	6.9	23.4 +- .7	3.5	19.5 +- .7	5.2		
004	109	11.	22.2 +- .7	3.3	18.4 +- .6	5.1		
005	113	14.	25.3 +- .8	3.8	21.2 +- .7	5.4		
006	68	9.6	22.0 +- .7	3.3	18.2 +- .6	5.1		
007	359	11.	20.7 +- .6	3.1	17.1 +- .6	5.0		
008	359	6.6	MISSING OR DAMAGED DOSIMETER					
009	339	4.7	17.1 +- .5	2.6	13.8 +- .5	4.7		
010	328	3.0	17.6 +- .5	2.6	14.3 +- .5	4.8		
011	332	1.3	MISSING OR DAMAGED DOSIMETER					
012	37	21.	25.5 +- .8	3.8	21.3 +- .7	5.4		
013	37	21.	25.9 +- .8	3.9	21.7 +- .7	5.4		
014	37	21.	26.5 +- .8	4.0	22.2 +- .8	5.5		
TRANSIT DOSE =			1.5 +- .3	4.7				



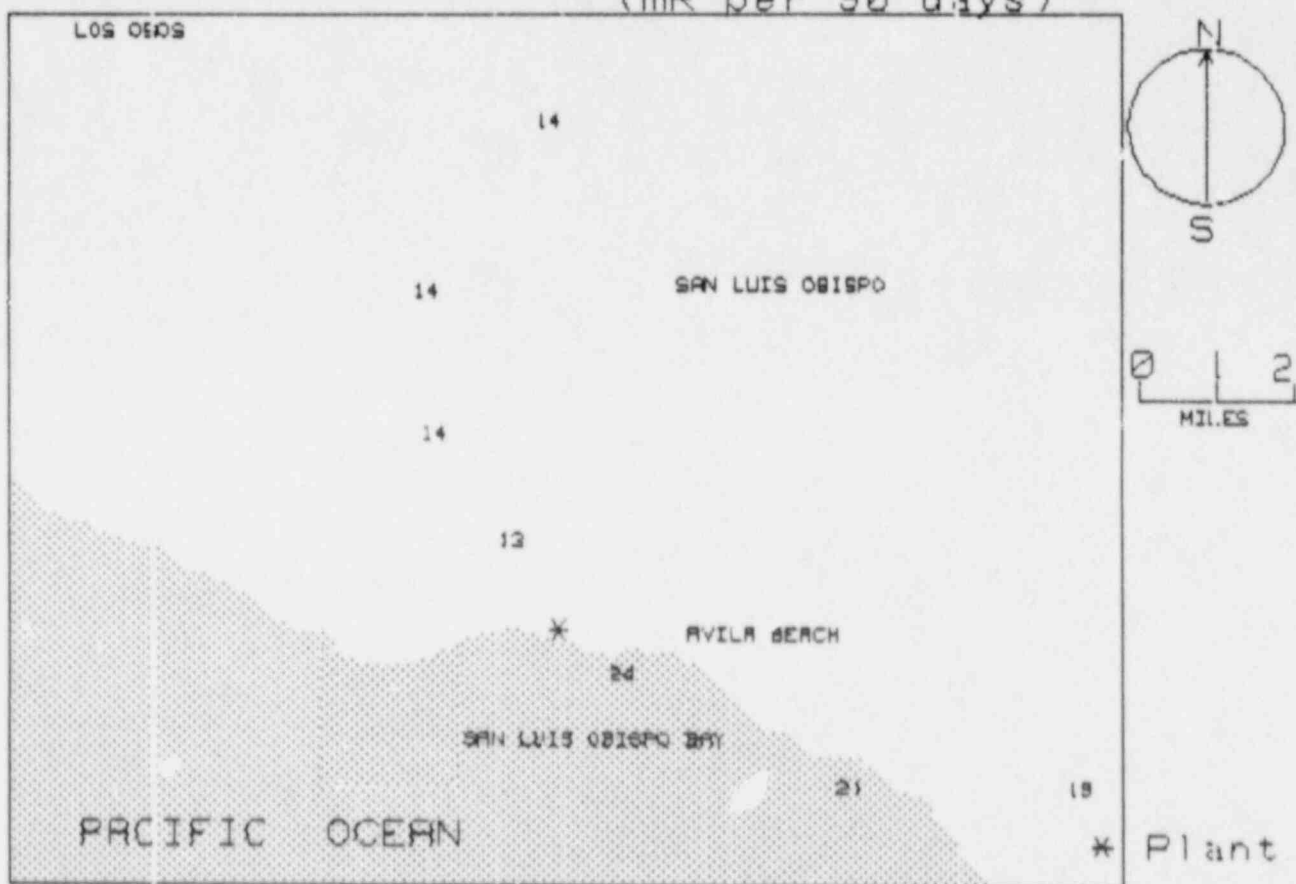
DIABLO CANYON  
FOR THE PERIOD 880316-880719

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	# IN GROUP
340.75-11.25 (N)	17.1 $\pm$ 0.0	1
11.25-33.75 (NNE)	NO DATA+-NO DATA	0
33.75-56.25 (NE)	NO DATA+-NO DATA	0
56.25-78.75 (ENE)	18.2 $\pm$ 0.0	1
78.75-101.25 (E)	NO DATA+-NO DATA	0
101.25-123.75 (ESE)	20.1 $\pm$ 1.4	4
123.75-146.25 (SE)	24.4 $\pm$ 0.0	1
146.25-168.75 (SSE)	NO DATA+-NO DATA	0
168.75-191.25 (S)	NO DATA+-NO DATA	0
191.25-213.75 (SSW)	NO DATA+-NO DATA	0
213.75-236.25 (SW)	NO DATA+-NO DATA	0
236.25-258.75 (WSW)	NO DATA+-NO DATA	0
258.75-281.25 (W)	NO DATA+-NO DATA	0
281.25-303.75 (WNW)	NO DATA+-NO DATA	0
303.75-326.25 (NW)	NO DATA+-NO DATA	0
326.25-348.75 (NNW)	14.1 $\pm$ .3	2

DISTANCE(mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	# IN GROUP
0-2	24.4 $\pm$ 0.0	1
2-5	16.5 $\pm$ 4.2	3
>5	18.8 $\pm$ 1.5	5
UPWIND CONTROL DATA	21.7 $\pm$ .4	3

NRC TLD DOSES FOR DIABLO CANYON AREA  
(mR per 90 days)



DRESDEN  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 880315-880718 126 DAYS  
 FIELD TIME 88 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)			NET EXPOSURE RATE		
	AZIMUTH (deg.)	DIST (mi.)	+- Rdm; Tot.			mR/Std. Qtr. +- Rdm; Tot.		
001	70	4.2	21.0	+-	.6 ; 3.2	16.1	+-	.7 ; 6.4
002	92	3.9	21.9	+-	.7 ; 3.3	17.0	+-	.8 ; 6.4
003	119	3.2	23.1	+-	.7 ; 3.5	18.3	+-	.8 ; 6.5
004	134	1.3	17.7	+-	.5 ; 2.7	12.7	+-	.7 ; 6.1
005	115	1.5	18.7	+-	.6 ; 2.8	13.7	+-	.7 ; 6.2
006	180	1.9	21.8	+-	.7 ; 3.3	16.9	+-	.8 ; 6.4
007	179	0.5	21.2	+-	.6 ; 3.2	16.3	+-	.8 ; 6.4
008	166	0.7	19.4	+-	.6 ; 2.9	14.5	+-	.7 ; 6.2
009	205	0.5	22.3	+-	.7 ; 3.3	17.4	+-	.8 ; 6.5
010	221	0.7	31.2	+-	.9 ; 4.7	26.3	+-	1.0 ; 7.3
011	250	0.9	19.2	+-	.6 ; 2.9	14.3	+-	.7 ; 6.2
012	263	1.6	22.0	+-	.7 ; 3.3	17.1	+-	.8 ; 6.4
013	180	4.0	18.4	+-	.6 ; 2.8	13.5	+-	.7 ; 6.2
014	158	4.8	19.3	+-	.6 ; 2.9	14.3	+-	.7 ; 6.2
015	137	4.2	19.1	+-	.6 ; 2.9	14.2	+-	.7 ; 6.2
016	134	8.4	18.7	+-	.6 ; 2.8	13.7	+-	.7 ; 6.2
017	189	7.4	20.3	+-	.6 ; 3.0	15.4	+-	.7 ; 6.3
018	203	4.1	18.5	+-	.6 ; 2.8	13.5	+-	.7 ; 6.2
019	231	3.8	22.4	+-	.7 ; 3.4	17.5	+-	.8 ; 6.5
020	244	6.4	20.5	+-	.6 ; 3.1	15.6	+-	.7 ; 6.3
021	258	8.6	20.8	+-	.6 ; 3.1	15.9	+-	.7 ; 6.4
022	269	4.4	18.7	+-	.6 ; 2.8	13.8	+-	.7 ; 6.2
023	295	3.3	20.7	+-	.6 ; 3.1	15.8	+-	.7 ; 6.3
024	311	3.9	20.3	+-	.6 ; 3.0	15.4	+-	.7 ; 6.3
025	340	4.7	22.7	+-	.7 ; 3.4	17.9	+-	.8 ; 6.5
026	7	4.4	20.7	+-	.6 ; 3.1	15.8	+-	.7 ; 6.3
027	1	2.0	24.8	+-	.7 ; 3.7	20.8	+-	.9 ; 6.7
028	327	1.7	26.1	+-	.8 ; 3.9	21.3	+-	.9 ; 6.8
029	318	1.4	21.5	+-	.6 ; 3.2	16.6	+-	.8 ; 6.4
030	301	1.9	MISSING OR DAMAGED DOSIMETER					
031	30	1.5	24.0	+-	.7 ; 3.6	19.1	+-	.8 ; 6.6
032	48	1.9	26.3	+-	.8 ; 3.9	21.5	+-	.9 ; 6.8
033	76	1.4	24.1	+-	.7 ; 3.6	19.3	+-	.8 ; 6.6
034	90	1.4	21.4	+-	.6 ; 3.2	16.5	+-	.8 ; 6.4
035	26	4.5	21.3	+-	.6 ; 3.2	16.4	+-	.8 ; 6.4
036	42	3.6	19.6	+-	.6 ; 2.9	14.7	+-	.7 ; 6.3
037	52	12.	21.8	+-	.7 ; 3.3	16.9	+-	.8 ; 6.4
038	274	24.	22.3	+-	.7 ; 3.3	17.4	+-	.8 ; 6.5
039	274	24.	21.7	+-	.6 ; 3.2	16.8	+-	.8 ; 6.4
040	275	24.	23.2	+-	.7 ; 3.5	18.4	+-	.8 ; 6.5
TRANSIT DOSE =			5.2	+-	.4 ; 5.4			

DRESDEN  
FOR THE PERIOD 880315-880718

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	# IN GROUP
348.75-11.25 (N)	17.8 $\pm$ 3.0	2
11.25-33.75 (NNE)	17.8 $\pm$ 2.0	2
33.75-56.25 (NE)	17.7 $\pm$ 3.5	3
56.25-78.75 (ENE)	17.7 $\pm$ 2.2	2
78.75-101.25 (E)	16.8 $\pm$ .4	2
101.25-123.75 (ESE)	16.0 $\pm$ 3.2	2
123.75-146.25 (SE)	13.5 $\pm$ .7	3
146.25-168.75 (SSE)	14.4 $\pm$ .1	2
168.75-191.25 (S)	15.5 $\pm$ 1.5	4
191.25-213.75 (SSW)	15.5 $\pm$ 2.7	2
213.75-236.25 (SW)	22.0 $\pm$ 6.4	2
236.25-258.75 (WSW)	15.2 $\pm$ .8	3
258.75-281.25 (W)	15.4 $\pm$ 2.4	2
281.25-303.75 (WNW)	15.8 $\pm$ 0.0	1
303.75-326.25 (NW)	16.0 $\pm$ .9	2
326.25-348.75 (NNW)	19.8 $\pm$ 2.4	2

DISTANCE (mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	# IN GROUP
0-2	17.7 $\pm$ 3.5	16
2-5	15.6 $\pm$ 1.6	15
>5	15.5 $\pm$ 1.1	5
UPWIND CONTROL DATA	17.5 $\pm$ .8	3

MAP FOR DRESDEN

Map will be provided for this site in the future.

DUANE ARNOLD  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 880321-880718 120 DAYS  
 FIELD TIME 92 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)		NET EXPOSURE RATE	
	AZIMUTH (deg.)	DIST (mi.)	+ - Rdm; Tot.		mR/Std. Qtr. + - Rdm; Tot.	
001	163	9.7	18.9 +- .6	; 2.8	17.4 +- .6	; 4.9
002	170	6.2	20.9 +- .6	; 3.1	19.4 +- .7	; 5.1
003	180	3.5	MISSING OR DAMAGED DOSIMETER			
004	216	2.9	20.9 +- .6	; 3.1	19.4 +- .7	; 5.1
005	201	2.5	17.1 +- .5	; 2.6	15.7 +- .6	; 4.8
006	213	1.0	19.4 +- .6	; 2.9	18.0 +- .6	; 4.9
007	248	1.0	21.5 +- .6	; 3.2	20.0 +- .7	; 5.1
008	279	1.0	21.2 +- .6	; 3.2	19.7 +- .7	; 5.1
009	298	1.0	22.2 +- .7	; 3.3	20.7 +- .7	; 5.2
010	320	1.5	21.1 +- .6	; 3.2	19.6 +- .7	; 5.1
011	343	1.0	22.0 +- .7	; 3.3	20.5 +- .7	; 5.2
012	359	1.2	20.7 +- .6	; 3.1	19.2 +- .7	; 5.1
013	237	0.5	20.2 +- .6	; 3.0	18.7 +- .6	; 5.0
014	259	3.9	20.9 +- .6	; 3.1	19.4 +- .7	; 5.1
015	272	5.0	MISSING OR DAMAGED DOSIMETER			
016	285	5.0	20.6 +- .6	; 3.1	19.1 +- .7	; 5.0
017	308	4.5	21.1 +- .6	; 3.2	19.6 +- .7	; 5.1
018	340	4.5	17.7 +- .5	; 2.7	16.3 +- .6	; 4.8
019	291	15.	20.4 +- .6	; 3.1	18.9 +- .7	; 5.0
020	291	15.	21.1 +- .6	; 3.2	19.6 +- .7	; 5.1
021	291	15.	18.7 +- .6	; 2.8	17.3 +- .6	; 4.9
022	358	6.1	18.0 +- .5	; 2.7	16.5 +- .6	; 4.8
023	7	2.9	17.8 +- .5	; 2.7	16.4 +- .6	; 4.8
024	28	3.0	21.9 +- .7	; 3.3	20.4 +- .7	; 5.2
025	39	3.5	19.4 +- .6	; 2.9	17.9 +- .6	; 4.9
026	54	3.8	20.0 +- .6	; 3.0	18.5 +- .6	; 5.0
027	50	1.9	17.8 +- .5	; 2.7	16.3 +- .6	; 4.8
028	72	2.3	MISSING OR DAMAGED DOSIMETER			
029	91	3.0	17.8 +- .5	; 2.7	16.3 +- .6	; 4.8
030	93	1.8	21.7 +- .7	; 3.3	20.2 +- .7	; 5.1
031	113	2.0	21.2 +- .6	; 3.2	19.7 +- .7	; 5.1
032	141	1.6	18.6 +- .6	; 2.8	17.1 +- .6	; 4.9
033	153	1.5	20.5 +- .6	; 3.1	19.0 +- .7	; 5.0
034	177	1.2	17.7 +- .5	; 2.7	16.3 +- .6	; 4.8
035	153	4.2	17.8 +- .5	; 2.7	16.3 +- .6	; 4.8
036	135	4.1	19.3 +- .6	; 2.9	17.8 +- .6	; 4.9
037	111	4.6	21.8 +- .7	; 3.3	20.3 +- .7	; 5.2
038	123	5.1	21.5 +- .6	; 3.2	20.0 +- .7	; 5.1
039	132	7.0	18.3 +- .5	; 2.7	16.9 +- .6	; 4.9
040	139	7.6	18.7 +- .6	; 2.8	17.3 +- .6	; 4.9
TRANSIT DOSE = 1.0 +- .3 ; 4.1						

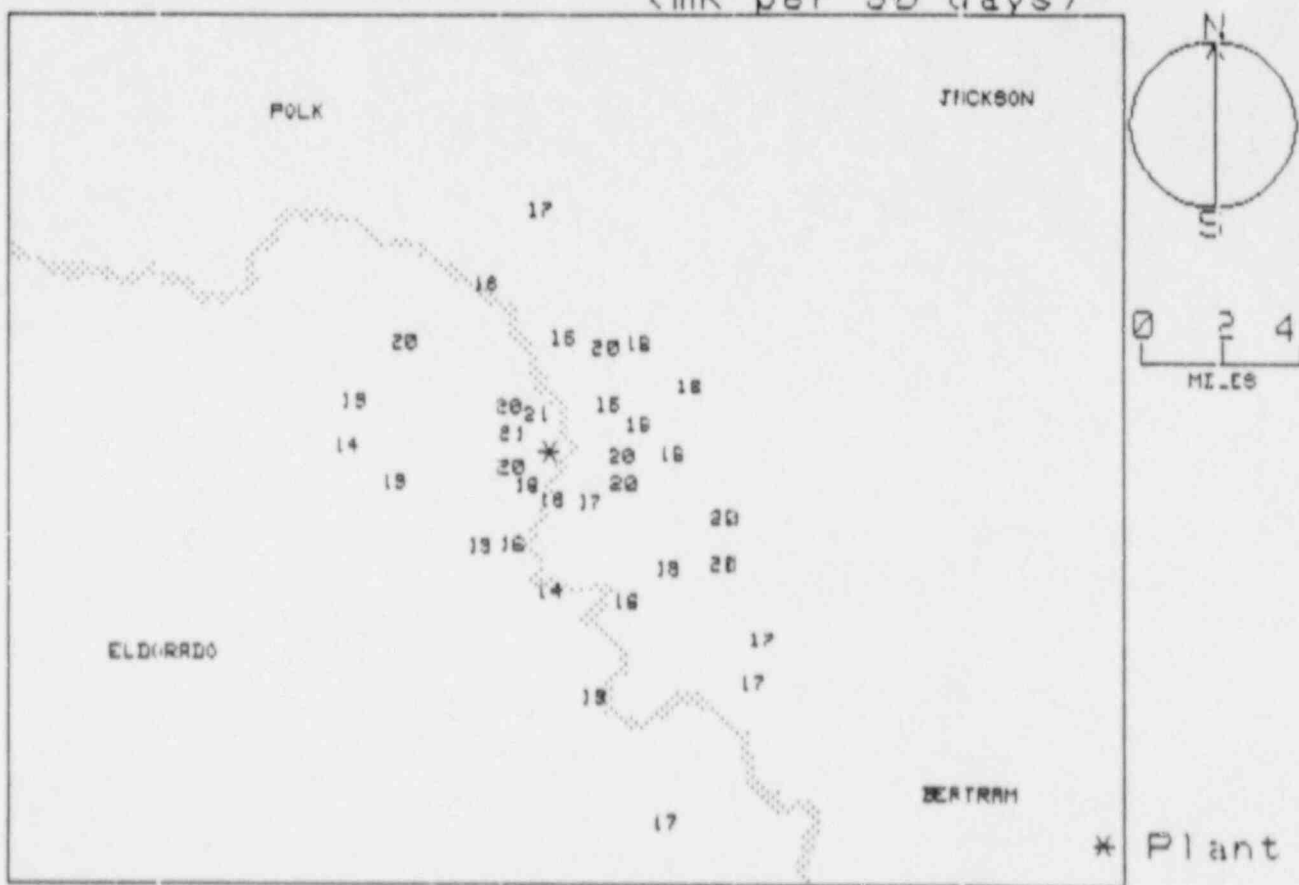
DUARNE ARNOLD  
FOR THE PERIOD 880321-880718

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	# IN GROUP
348.75-11.25 (N)	17.4 $\pm$ 1.6	3
11.25-33.75 (NNE)	20.4 $\pm$ 0.0	1
33.75-56.25 (NE)	17.1 $\pm$ 1.1	2
56.25-78.75 (ENE)	18.5 $\pm$ 0.0	1
78.75-101.25 (E)	18.3 $\pm$ 2.7	2
101.25-123.75 (ESE)	20.0 $\pm$ .3	3
123.75-146.25 (SE)	17.3 $\pm$ .4	4
146.25-168.75 (SSE)	17.6 $\pm$ 1.3	3
168.75-191.25 (S)	17.8 $\pm$ 2.2	2
191.25-213.75 (SSW)	16.8 $\pm$ 1.6	2
213.75-236.25 (SW)	19.4 $\pm$ 0.0	1
236.25-258.75 (WSW)	19.4 $\pm$ .9	2
258.75-281.25 (W)	19.6 $\pm$ .2	2
281.25-303.75 (WNW)	19.9 $\pm$ 1.1	2
303.75-326.25 (NW)	19.6 $\pm$ 0.0	2
326.25-348.75 (NNW)	18.4 $\pm$ 3.0	2

DISTANCE(mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	# IN GROUP
0-2	18.9 $\pm$ 1.5	14
2-5	18.1 $\pm$ 1.6	14
>5	17.9 $\pm$ 1.4	6
UPWIND CONTROL DATA	18.6 $\pm$ 1.2	3

NRC: TLD DOSES FOR DUANE ARNOLD AREA  
(mR per 90 days)





FARLEY  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 880323-880726 126 DAYS  
 FIELD TIME 95 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)		NET EXPOSURE RATE	
	AZIMUTH (deg.)	DIST (mi.)	+ Rdm	Tot.	mR/Std. Qtr. + Rdm	Tot.
001	268	15.	17.6	± .5 ; 2.6	16.6	± .5 ; 4.2
002	252	7.8	16.2	± .5 ; 2.4	15.3	± .5 ; 4.1
003	217	6.1	18.2	± .5 ; 2.7	17.2	± .6 ; 4.3
004	155	5.7	20.6	± .6 ; 3.1	19.5	± .6 ; 4.5
005	170	5.1	18.0	± .5 ; 2.7	17.0	± .5 ; 4.3
006	197	4.5	17.2	± .5 ; 2.6	16.2	± .5 ; 4.2
007	191	2.4	21.4	± .6 ; 3.2	20.3	± .6 ; 4.6
008	200	1.8	18.7	± .6 ; 2.8	17.7	± .6 ; 4.3
009	220	1.2	16.1	± .5 ; 2.4	15.3	± .5 ; 4.1
010	254	.9	20.2	± .6 ; 3.0	19.1	± .6 ; 4.4
011	300	.9	17.9	± .5 ; 2.7	17.0	± .5 ; 4.2
012	319	1.1	MISSING OR DAMAGED DOSIMETER			
013	338	1.3	16.7	± .5 ; 2.5	15.8	± .5 ; 4.1
014	256	1.2	17.6	± .5 ; 2.6	16.6	± .5 ; 4.2
015	16	1.3	22.8	± .7 ; 3.4	21.6	± .7 ; 4.7
016	264	1.6	17.7	± .5 ; 2.6	16.7	± .5 ; 4.2
017	253	0.5	20.3	± .6 ; 3.0	19.2	± .6 ; 4.5
018	233	0.2	18.3	± .5 ; 2.7	17.3	± .6 ; 4.3
019	267	4.5	17.7	± .5 ; 2.6	16.7	± .5 ; 4.2
020	295	0.8	MISSING OR DAMAGED DOSIMETER			
021	315	4.6	17.7	± .5 ; 2.6	16.7	± .5 ; 4.2
022	332	4.3	16.2	± .5 ; 2.4	15.3	± .5 ; 4.1
023	251	4.8	18.0	± .5 ; 2.7	17.0	± .5 ; 4.3
024	32	5.3	18.9	± .6 ; 2.8	17.9	± .6 ; 4.3
025	54	6.2	16.9	± .5 ; 2.5	16.0	± .5 ; 4.2
026	64	5.5	18.1	± .5 ; 2.7	17.1	± .5 ; 4.3
027	88	4.7	18.2	± .5 ; 2.7	17.2	± .6 ; 4.3
028	124	5.1	19.5	± .6 ; 2.9	18.5	± .6 ; 4.4
029	153	4.1	18.4	± .6 ; 2.8	17.4	± .6 ; 4.3
030	142	3.6	16.8	± .5 ; 2.5	15.9	± .5 ; 4.2
031	138	3	15.6	± .5 ; 2.3	14.8	± .5 ; 4.1
032	118	2.8	17.9	± .5 ; 2.7	16.9	± .5 ; 4.2
033	78	2.6	17.3	± .5 ; 2.6	16.4	± .5 ; 4.2
034	58	2.2	15.5	± .5 ; 2.3	14.7	± .5 ; 4.1
035	34	2.4	22.2	± .7 ; 3.3	21.0	± .7 ; 4.6
036	19	2.7	20.1	± .6 ; 3.0	19.0	± .6 ; 4.4
037	284	10	17.4	± .5 ; 2.6	16.5	± .5 ; 4.2
038	289	15.	20.1	± .6 ; 3.0	19.0	± .6 ; 4.4
039	293	15.	19.7	± .6 ; 2.9	18.6	± .6 ; 4.4
TRANSIT DOSE = 0.0 ± .2 ; 3.6						

FARLEY  
FOR THE PERIOD 880323-880726

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	# IN GROUP
348.75-11.25 (N)	NO DATA--NO DATA	0
11.25-43.75 (NNE)	19.5 $\pm$ 1.9	3
33.75-56.25 (NE)	18.5 $\pm$ 3.6	2
56.25-78.75 (ENE)	16.1 $\pm$ 1.3	3
78.75-101.25 (E)	17.2 $\pm$ 0.0	1
101.25-123.75 (ESE)	16.9 $\pm$ 0.0	1
123.75-146.25 (SE)	16.4 $\pm$ 1.9	3
146.25-168.75 (SSE)	18.5 $\pm$ 1.5	2
168.75-191.25 (S)	18.6 $\pm$ 2.3	2
191.25-213.75 (SSW)	17.0 $\pm$ 1.0	2
213.75-236.25 (SW)	16.6 $\pm$ 1.2	3
236.25-258.75 (WSW)	17.5 $\pm$ 1.7	5
258.75-281.25 (W)	16.7 $\pm$ .1	3
281.25-303.75 (W <sup>1</sup> W)	17.0 $\pm$ 0.0	1
303.75-326.25 (NW)	16.7 $\pm$ 0.0	1
326.25-348.75 (NNW)	15.8 $\pm$ .4	2

DISTANCE (mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	# IN GROUP
0-2	17.5 $\pm$ 2.0	8
2-5	17.2 $\pm$ 1.6	17
>5	17.2 $\pm$ 1.3	9
UPWIND CONTROL DATA	18.0 $\pm$ 1.4	3



FERMI  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 880321-880719 121 DAYS  
 FIELD TIME 77 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)		NET EXPOSURE RATE mR/Std. Qtr.	
	AZIMUTH (deg.)	DIST (mi.)	+ Rdm	Tot.	+ Rdm	Tot.
001	38	2.1	16.1	+- .5 ; 2.4	10.8	+- .7 ; 7.0
002	22	2.3	MISSING OR DAMAGED DOSIMETER			
003	350	1.8	26.3	+- .8 ; 3.9	23.7	+- 1.0 ; 7.9
004	345	1.9	23.1	+- .7 ; 3.5	18.9	+- .9 ; 7.6
005	346	1.4	22.5	+- .7 ; 3.4	18.2	+- .9 ; 7.6
006	310	1.3	25.0	+- .7 ; 3.7	21.1	+- 1.0 ; 7.8
007	298	1.4	21.3	+- .6 ; 3.2	16.8	+- .9 ; 7.5
008	277	1.6	21.7	+- .7 ; 3.3	17.3	+- .9 ; 7.5
009	238	1.8	20.5	+- .6 ; 3.1	15.8	+- .9 ; 7.4
010	225	1.5	MISSING OR DAMAGED DOSIMETER			
011	193	0.8	21.0	+- .6 ; 3.2	16.5	+- .9 ; 7.4
012	183	0.9	22.6	+- .7 ; 3.4	18.3	+- .9 ; 7.6
013	175	0.8	21.0	+- .6 ; 3.2	16.5	+- .9 ; 7.4
014	368	1.7	22.9	+- .7 ; 3.4	18.6	+- .9 ; 7.6
015	245	2.5	20.4	+- .6 ; 3.1	15.8	+- .9 ; 7.4
016	236	5.0	25.1	+- .8 ; 3.8	21.3	+- 1.0 ; 7.8
017	225	6.8	19.0	+- .6 ; 2.9	14.1	+- .8 ; 7.3
018	250	7.8	17.9	+- .5 ; 2.7	12.9	+- .8 ; 7.2
019	277	6.0	18.7	+- .6 ; 2.8	13.7	+- .8 ; 7.2
020	297	6.0	20.5	+- .6 ; 3.1	15.9	+- .9 ; 7.4
021	320	3.8	21.5	+- .6 ; 3.2	17.0	+- .9 ; 7.5
022	340	4.7	21.8	+- .7 ; 3.3	17.4	+- .9 ; 7.5
023	358	4.3	22.4	+- .7 ; 3.4	18.1	+- .9 ; 7.6
024	23	5.0	24.0	+- .7 ; 3.6	19.9	+- 1.0 ; 7.7
025	25	7.0	MISSING OR DAMAGED DOSIMETER			
026	0	7.0	18.6	+- .6 ; 2.8	13.7	+- .8 ; 7.2
027	342	8.0	20.1	+- .6 ; 3.0	15.4	+- .8 ; 7.4
028	320	9.5	20.1	+- .6 ; 3.0	15.4	+- .8 ; 7.3
029	298	11.	23.4	+- .7 ; 3.5	19.2	+- .9 ; 7.6
030	270	11.	24.7	+- .7 ; 3.7	20.8	+- 1.0 ; 7.8
031	245	10.	19.8	+- .6 ; 3.0	15.0	+- .8 ; 7.3
032	220	11.	20.7	+- .6 ; 3.1	16.1	+- .9 ; 7.4
033	270	15.	18.6	+- .6 ; 2.8	13.6	+- .8 ; 7.2
034	270	15.	19.5	+- .6 ; 2.9	14.7	+- .8 ; 7.3
035	298	16.	20.1	+- .6 ; 3.0	15.4	+- .8 ; 7.4
036	350	0.8	19.3	+- .6 ; 2.9	14.5	+- .8 ; 7.3
037	330	0.7	20.0	+- .6 ; 3.0	15.3	+- .8 ; 7.3
038	310	0.7	18.3	+- .5 ; 2.7	13.3	+- .8 ; 7.2
039	23	10.	23.2	+- .7 ; 3.5	19.1	+- .9 ; 7.6
040	0	9.0	22.9	+- .7 ; 3.4	18.6	+- .9 ; 7.6
041	348	9.0	18.1	+- .5 ; 2.7	13.0	+- .8 ; 7.2
TRANSIT DOSE = 6.9 +- .4 ; 5.5						

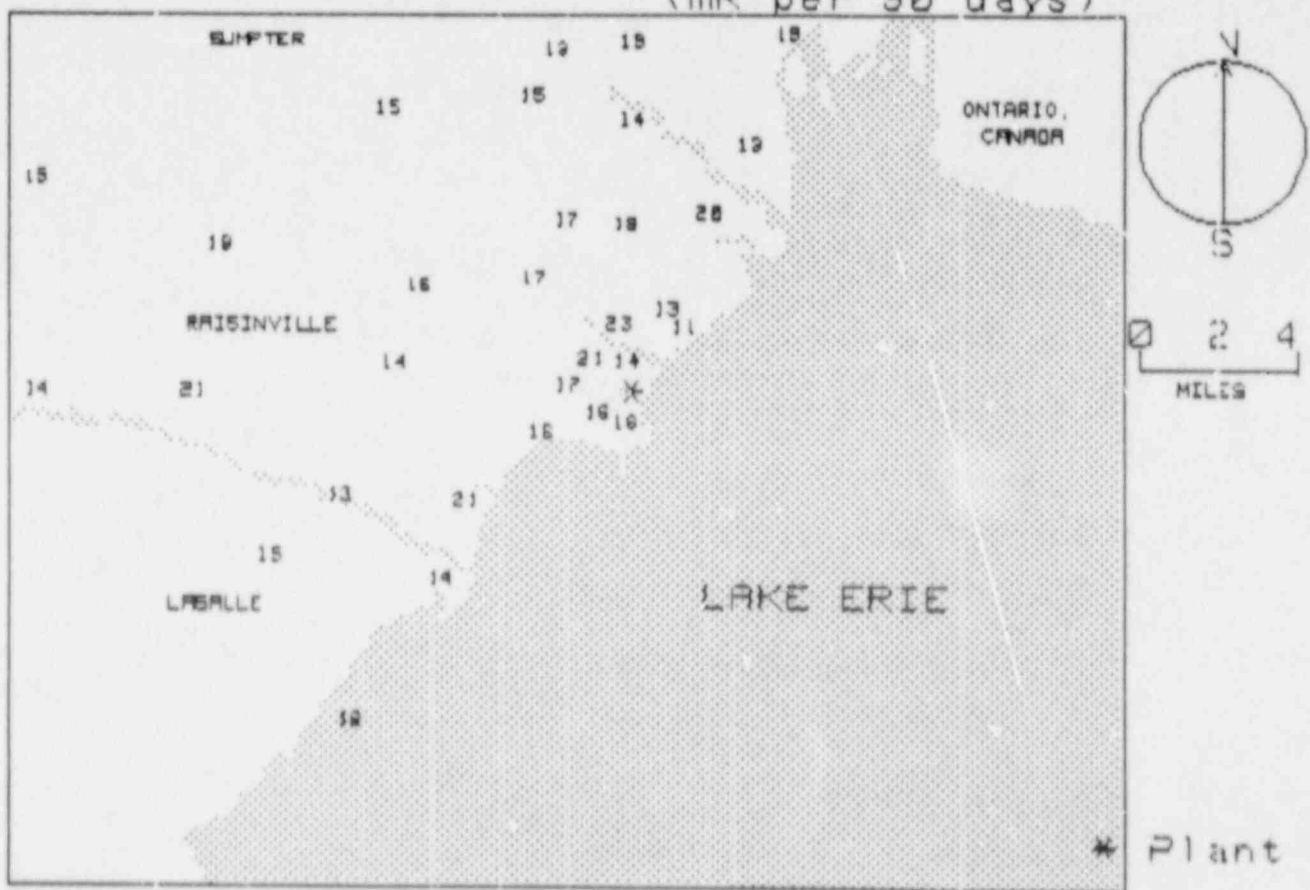
FERMI  
FOR THE PERIOD 880321-880719

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
348.75-11.25 (N)	17.5 $\pm$ 3.6	5
11.25-33.75 (NNE)	19.5 $\pm$ .6	2
33.75-56.25 (NE)	10.8 $\pm$ 0.0	1
56.25-78.75 (ENE)	NO DATA+-NO DATA	0
78.75-101.25 (E)	NO DATA+-NO DATA	0
101.25-123.75 (ESE)	NO DATA+-NO DATA	0
123.75-146.25 (SE)	NO DATA+-NO DATA	0
146.25-168.75 (SSE)	NO DATA+-NO DATA	0
168.75-191.25 (S)	17.4 $\pm$ 1.3	2
191.25-213.75 (SSW)	16.5 $\pm$ 0.0	1
213.75-236.25 (SW)	17.2 $\pm$ 3.7	3
236.25-258.75 (WSW)	14.9 $\pm$ 1.4	4
258.75-281.25 (W)	17.6 $\pm$ 3.0	4
281.25-303.75 (WNW)	17.3 $\pm$ 1.7	3
303.75-326.25 (NW)	16.7 $\pm$ 3.3	4
326.25-348.75 (NNW)	16.4 $\pm$ 2.2	6

DISTANCE(mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
0-2	17.4 $\pm$ 2.5	14
2-5	17.2 $\pm$ 3.4	7
>5	15.8 $\pm$ 2.5	14
UPWIND CONTROL DATA	14.6 $\pm$ .9	3

### NRC TLD DOSES FOR FERMI AREA (mR per 90 days)



FITZPATRICK/NINE MI.  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 880323-880726 126 DAYS  
 FIELD TIME 102 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)		NET EXPOSURE RATE	
	AZIMUTH (Deg.)	DIST (mi.)	+ - Rdm	Tot.	mR/Std. Qtr. + - Rdm	Tot.
001	230	6.9	17.7	+ - .5 ; 2.7	13.9	+ - .5 ; 4.9
002	184	14	19.4	+ - .6 ; 2.9	15.4	+ - .6 ; 5.0
003	122	8.4	18.5	+ - .6 ; 2.8	14.5	+ - .6 ; 4.9
004	76	11.	18.1	+ - .5 ; 2.7	14.2	+ - .6 ; 4.9
005	91	6.8	19.8	+ - .6 ; 3.0	15.7	+ - .6 ; 5.0
006	112	4.3	18.2	+ - .5 ; 2.7	14.3	+ - .6 ; 4.9
007	138	4.3	19.1	+ - .6 ; 2.9	15.1	+ - .6 ; 5.0
008	152	3.6	19.3	+ - .6 ; 2.9	15.2	+ - .6 ; 5.0
009	183	3.9	18.8	+ - .6 ; 2.8	14.8	+ - .6 ; 4.9
010	205	4.5	18.6	+ - .6 ; 2.8	14.6	+ - .6 ; 4.9
011	220	4.4	18.7	+ - .6 ; 2.8	14.7	+ - .6 ; 4.9
012	230	6.1	18.4	+ - .6 ; 2.8	14.4	+ - .6 ; 4.9
013	245	1.8	18.4	+ - .6 ; 2.8	14.5	+ - .6 ; 4.9
014	223	1.8	18.5	+ - .6 ; 2.8	14.5	+ - .6 ; 4.9
015	204	2	MISSING OR DAMAGED DOSIMETER			
016	181	1.8	18.8	+ - .6 ; 2.8	14.8	+ - .6 ; 4.9
017	157	1.9	18.5	+ - .6 ; 2.8	14.6	+ - .6 ; 4.9
018	137	1.6	18.5	+ - .6 ; 2.8	14.6	+ - .6 ; 4.9
019	115	1.2	17.9	+ - .5 ; 2.7	14.8	+ - .5 ; 4.9
020	92	1.1	19.1	+ - .6 ; 2.9	15.1	+ - .6 ; 5.0
021	229	20.	17.8	+ - .5 ; 2.7	14.6	+ - .5 ; 4.9
022	229	20.	18.2	+ - .5 ; 2.7	14.3	+ - .6 ; 4.9
023	229	20.	18.3	+ - .5 ; 2.7	14.4	+ - .6 ; 4.9
024	196	8	16.6	+ - .5 ; 2.5	12.9	+ - .5 ; 4.8
025	168	7.2	16.7	+ - .5 ; 2.5	13.8	+ - .5 ; 4.8
026	152	.6	19.8	+ - .6 ; 3.0	15.7	+ - .6 ; 5.0
TRANSIT DOSE =		2.0	+ - .3 ; 4.9			

FITZPATRICK/NINE MI.  
FOR THE PERIOD 880323-880726

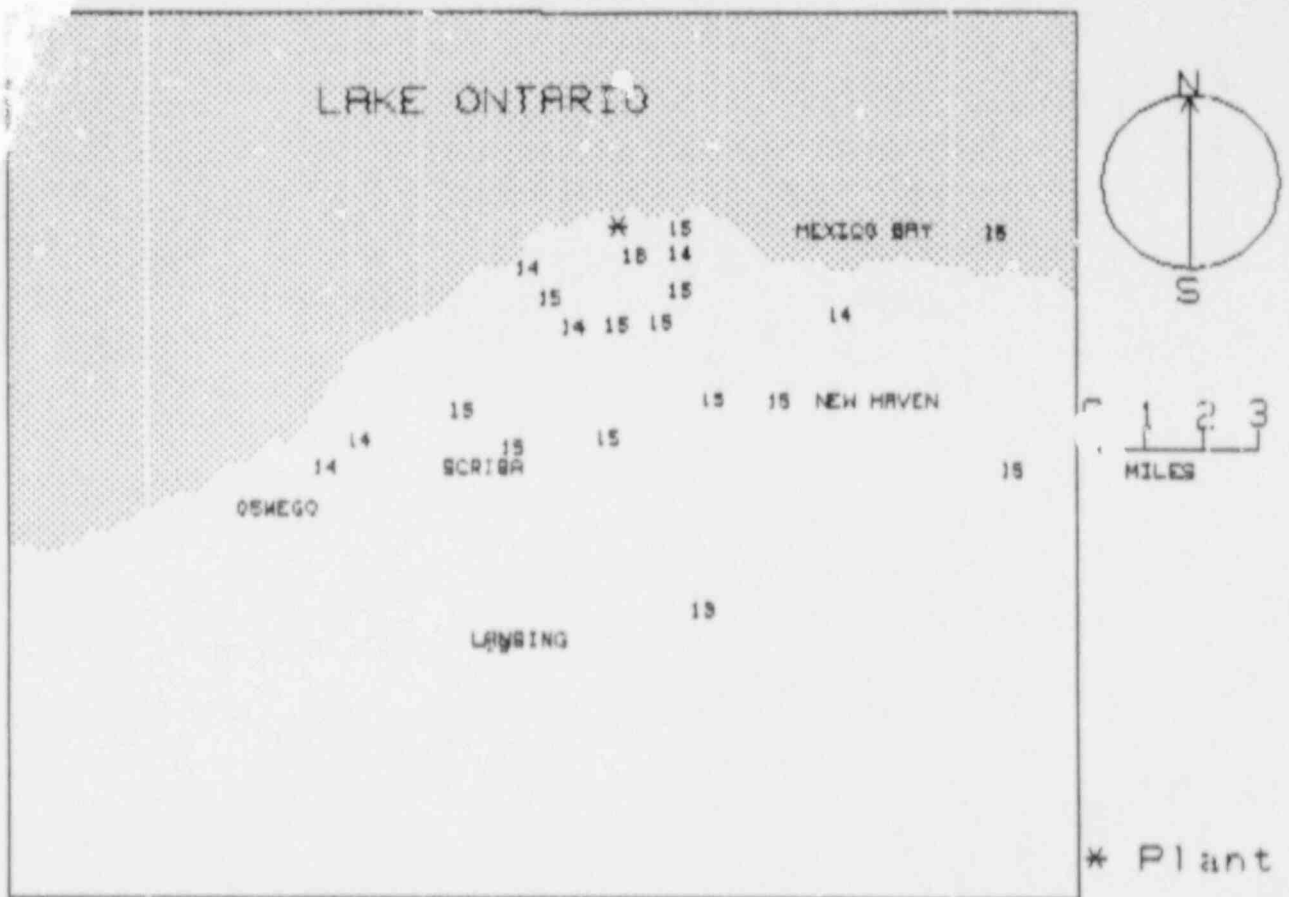
## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	# IN GROUP
348.75-11.25 (N)	NO DATA--NO DATA	0
11.25-33.75 (NNE)	NO DATA--NO DATA	0
33.75-56.25 (NE)	NO DATA--NO DATA	0
56.25-78.75 (ENE)	14.2 $\pm$ 0.0	1
78.75-101.25 (E)	15.4 $\pm$ .5	2
101.25-123.75 (ESE)	14.3 $\pm$ .3	3
123.75-146.25 (SE)	14.8 $\pm$ .3	2
146.25-168.75 (SSE)	14.6 $\pm$ 1.2	4
168.75-191.25 (S)	15.0 $\pm$ .3	3
191.25-213.75 (SSW)	13.8 $\pm$ 1.2	2
213.75-236.25 (SW)	14.4 $\pm$ .4	4
236.25-258.75 (WSW)	14.5 $\pm$ 0.0	1
258.75-281.25 (W)	NO DATA--NO DATA	0
281.25-303.75 (WNW)	NO DATA--NO DATA	0
303.75-326.25 (NW)	NO DATA--NO DATA	0
326.25-348.75 (NNW)	NO DATA--NO DATA	0

DISTANCE (mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	# IN GROUP
0-2	14.7 $\pm$ .5	8
2-5	14.8 $\pm$ .3	6
>5	14.2 $\pm$ 1.0	8
UPWIND CONTROL DATA	14.2 $\pm$ .2	3



WORLD DOSES FOR NINE MILE PT/J.FITZPATRICK AREA  
(mR per 90 days)



FT CALHOUN  
 TI DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 880317-880802 139 DAYS  
 FIELD TIME 112 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE(mR)		NET EXPOSURE RATE mR/Std.Qtr.	
	AZIMUTH (deg.)	DIST (mi.)	+ - Rdm;Tot.		+ - Rdm;Tot.	
001	358	2.0	24.8 +- .7	; 3.7	19.7 +- .6	; 4.8
002	351	4.6	26.2 +- .8	; 3.9	20.8 +- .7	; 4.9
003	30	2.5	26.0 +- .8	; 3.9	20.7 +- .7	; 4.9
004	27	4.6	27.4 +- .8	; 4.1	21.8 +- .7	; 5.0
005	53	1.9	26.7 +- .8	; 4.0	21.3 +- .7	; 5.0
006	37	3.9	27.1 +- .8	; 4.2	22.1 +- .7	; 5.1
007	76	2.3	26.8 +- .8	; 4.0	21.3 +- .7	; 5.0
008	59	5.2	25.9 +- .8	; 3.9	20.6 +- .7	; 4.9
009	100	2.3	24.1 +- .7	; 3.6	19.1 +- .6	; 4.8
010	88	5.6	28.9 +- .9	; 4.3	23.0 +- .7	; 5.1
011	122	2.3	26.7 +- .8	; 4.0	21.2 +- .7	; 5.0
012	105	5.7	26.7 +- .8	; 4.0	21.3 +- .7	; 5.0
013	145	1.9	MISSING OR DAMAGED DOSIMETER			
014	128	5.5	27.0 +- .8	; 4.1	21.5 +- .7	; 5.0
015	157	1.9	27.3 +- .8	; 4.1	21.8 +- .7	; 5.0
016	150	4.9	27.4 +- .8	; 4.1	21.8 +- .7	; 5.0
017	173	0.5	27.4 +- .8	; 4.1	21.8 +- .7	; 5.0
018	173	5.3	28.0 +- .8	; 4.2	22.3 +- .7	; 5.1
019	212	2.5	MISSING OR DAMAGED DOSIMETER			
020	204	5.3	28.9 +- .9	; 4.3	23.0 +- .7	; 5.1
021	233	2.0	30.8 +- .9	; 4.6	24.6 +- .8	; 5.3
022	224	4.6	29.3 +- .9	; 4.4	23.4 +- .7	; 5.2
023	239	0.6	27.0 +- .8	; 4.0	21.5 +- .7	; 5.0
024	243	6.9	25.6 +- .8	; 3.8	20.4 +- .7	; 4.9
025	269	3.3	29.0 +- .9	; 4.4	23.1 +- .7	; 5.2
026	262	5.9	30.7 +- .9	; 4.6	24.4 +- .8	; 5.3
027	288	2.8	MISSING OR DAMAGED DOSIMETER			
028	292	5.0	27.4 +- .8	; 4.1	21.8 +- .7	; 5.0
029	311	2.4	27.4 +- .8	; 4.1	21.8 +- .7	; 5.0
030	310	5.5	27.4 +- .8	; 4.1	21.8 +- .7	; 5.0
031	340	2.3	26.9 +- .8	; 4.0	21.4 +- .7	; 5.0
032	338	5.3	28.7 +- .9	; 4.3	22.9 +- .7	; 5.1
033	182	0.5	28.3 +- .8	; 4.2	22.5 +- .7	; 5.1
035	127	2.2	25.1 +- .8	; 3.8	20.0 +- .6	; 4.9
039	150	5.0	24.7 +- .7	; 3.7	19.6 +- .6	; 4.8
040	73	9.5	MISSING OR DAMAGED DOSIMETER			
043	29	8.0	24.9 +- .7	; 3.7	19.8 +- .6	; 4.8
044	65	3.5	25.8 +- .8	; 3.9	20.5 +- .7	; 4.9
045	182	4.2	27.8 +- .8	; 4.2	22.2 +- .7	; 5.1
047	298	4.5	MISSING OR DAMAGED DOSIMETER			
048	13	14.	28.0 +- .6	; 4.2	22.3 +- .7	; 5.1
049	207	19.	MISSING OR DAMAGED DOSIMETER			
TRANSIT DOSE *			.2 +- .3	; 4.7		

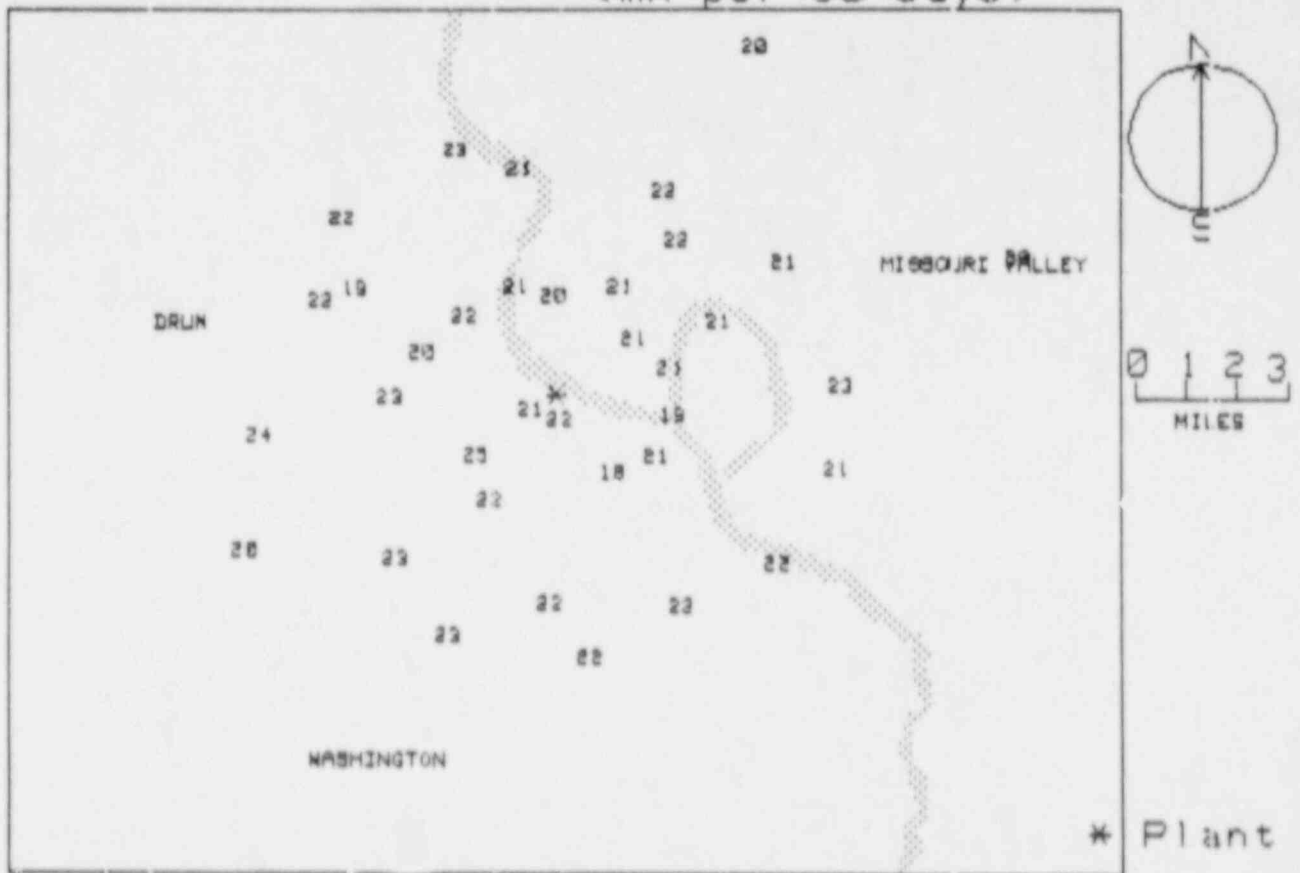
FT. CALHOUN  
FOR THE PERIOD 880317-880802

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
348.75-11.25 (N)	20.3 $\pm$ .8	2
11.25-33.75 (NNE)	20.8 $\pm$ 1.0	3
33.75-56.25 (NE)	21.7 $\pm$ .8	2
56.25-78.75 (ENE)	20.8 $\pm$ .4	3
78.75-101.25 (E)	21.1 $\pm$ 2.7	2
101.25-123.75 (ESE)	21.3 $\pm$ .8	2
123.75-146.25 (SE)	20.7 $\pm$ 1.1	2
146.25-168.75 (SSE)	21.1 $\pm$ 1.3	3
168.75-191.25 (S)	22.2 $\pm$ .3	4
191.25-213.75 (SSW)	23.0 $\pm$ 0.0	1
213.75-236.25 (SW)	24.0 $\pm$ .8	2
236.25-258.75 (WSW)	20.9 $\pm$ .8	2
258.75-281.25 (W)	23.8 $\pm$ .9	2
281.25-303.75 (WNW)	21.8 $\pm$ 0.0	1
303.75-326.25 (NW)	21.8 $\pm$ 0.0	2
326.25-348.75 (NNW)	22.2 $\pm$ 1.0	2

DISTANCE(mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
0-2	21.9 $\pm$ 1.5	7
2-5	21.3 $\pm$ 1.1	17
>5	21.8 $\pm$ 1.4	11
UPWIND CONTROL DATA	22.3 $\pm$ 0.0	1

NRC TLD DOSES FOR FORT CALHOUN AREA  
(mR per 90 days)



FT. ST. VRAIN  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 880316-880802 140 DAYS  
 FIELD TIME 100 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)		NET EXPOSURE RATE mR/Std. Qtr.	
	AZIMUTH (deg.)	DIST (mi.)	+ - Rdm; Tot.		+ - Rdm; Tot.	
001	0	0.8	42.2 +- 1.3	6.3	29.6 +- 1.2	0.7
002	2	3.3	40.6 +- 1.2	6.1	28.2 +- 1.2	0.5
003	29	2.6	42.3 +- 1.3	6.3	29.7 +- 1.2	0.7
004	17	5.4	40.5 +- 1.2	6.1	28.1 +- 1.2	0.5
005	54	2.1	40.2 +- 1.2	6.0	27.8 +- 1.2	0.5
006	40	4.0	42.3 +- 1.3	6.3	29.7 +- 1.2	0.7
007	76	2.6	MISSING OR DAMAGED DOSIMETER			
008	58	4.2	42.4 +- 1.3	6.4	29.8 +- 1.2	0.7
009	100	1.5	43.0 +- 1.3	6.4	30.3 +- 1.3	0.7
010	87	4.3	40.6 +- 1.2	6.1	28.2 +- 1.2	0.5
011	118	1.6	44.8 +- 1.3	6.7	32.0 +- 1.3	0.9
012	104	3.0	44.7 +- 1.3	6.7	31.9 +- 1.3	0.9
013	143	1.6	42.0 +- 1.3	6.3	29.4 +- 1.2	0.7
014	128	4.5	42.1 +- 1.3	6.3	29.5 +- 1.2	0.7
015	168	2.3	38.1 +- 1.1	5.7	25.9 +- 1.1	0.3
016	140	4.6	39.7 +- 1.2	5.9	27.4 +- 1.2	0.5
017	182	0.8	40.8 +- 1.2	6.1	28.4 +- 1.2	0.6
018	175	4.0	41.5 +- 1.2	6.2	29.0 +- 1.2	0.6
019	210	0.9	43.0 +- 1.3	6.5	30.4 +- 1.3	0.8
020	200	2.9	41.4 +- 1.2	6.2	28.9 +- 1.2	0.6
021	234	1.3	43.3 +- 1.3	6.5	30.6 +- 1.3	0.8
022	216	3.3	39.1 +- 1.2	5.9	26.8 +- 1.2	0.4
023	254	2.5	39.8 +- 1.2	6.0	27.5 +- 1.2	0.5
024	244	3.0	39.4 +- 1.2	5.9	27.1 +- 1.2	0.4
025	270	1.5	40.0 +- 1.2	6.0	27.6 +- 1.2	0.5
026	263	5.4	40.4 +- 1.2	6.1	28.0 +- 1.2	0.5
027	297	1.7	40.9 +- 1.2	6.1	28.5 +- 1.2	0.6
028	284	5.6	41.0 +- 1.2	6.2	28.6 +- 1.2	0.6
029	317	0.9	39.9 +- 1.2	5.8	27.5 +- 1.2	0.5
030	305	4.2	37.8 +- 1.1	5.7	25.7 +- 1.1	0.3
031	330	1.4	39.9 +- 1.2	6.0	27.6 +- 1.2	0.5
032	330	5.0	37.1 +- 1.1	5.6	25.1 +- 1.1	0.2
033	267	6.5	43.9 +- 1.3	6.6	31.1 +- 1.3	0.8
034	130	3.7	40.8 +- 1.2	6.1	28.4 +- 1.2	0.6
035	270	0.1	40.0 +- 1.2	6.0	27.7 +- 1.2	0.5
038	345	6.7	41.3 +- 1.2	6.2	28.8 +- 1.2	0.6
039	10	6.0	39.4 +- 1.2	5.9	27.1 +- 1.2	0.4
040	63	6.0	38.4 +- 1.2	5.8	26.2 +- 1.1	0.4
041	165	12.	43.2 +- 1.3	6.5	30.6 +- 1.3	0.8
042	248	7.0	45.0 +- 1.3	6.7	32.1 +- 1.3	0.9
045	198	11.	41.2 +- 1.2	6.7	29.7 +- 1.2	0.6
046	39	16.	39.1 +- 1.2	5.9	26.9 +- 1.2	0.4
047	357	17.	35.4 +- 1.1	5.5	24.4 +- 1.1	0.2
048	171	10.	41.5 +- 1.2	6.2	29.9 +- 1.2	0.6
049	360	0.5	41.6 +- 1.2	6.2	29.1 +- 1.2	0.6
TRANSIT DOSE =			9.3 +- .5	7.3		

FT. ST. VRAIN  
FOR THE PERIOD 880316-880802

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
348.75-11.25 (N)	28.3 $\pm$ 1.3	3
11.25-33.75 (NNE)	28.8 $\pm$ 1.1	2
33.75-56.25 (NE)	28.1 $\pm$ 1.5	3
56.25-78.75 (ENE)	28.8 $\pm$ 2.5	2
78.75-101.25 (E)	29.3 $\pm$ 1.5	2
101.25-123.75 (ESE)	31.8 $\pm$ .8	2
123.75-146.25 (SE)	29.1 $\pm$ .7	3
146.25-168.75 (SSE)	27.8 $\pm$ 2.4	3
168.75-191.25 (S)	28.7 $\pm$ .4	2
191.25-213.75 (SSW)	29.3 $\pm$ .9	3
213.75-236.25 (SW)	28.7 $\pm$ 2.7	2
236.25-258.75 (WSW)	28.9 $\pm$ 2.8	3
258.75-281.25 (W)	28.8 $\pm$ 1.7	4
281.25-303.75 (WNW)	28.5 $\pm$ .1	2
303.75-326.25 (NW)	28.8 $\pm$ 1.3	2
326.25-348.75 (NNW)	27.2 $\pm$ 1.8	3

DISTANCE (mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
0-2	29.1 $\pm$ 1.5	12
2-5	28.1 $\pm$ 1.7	18
>5	28.7 $\pm$ 1.8	11
UPWIND CONTROL DATA	27.5 $\pm$ 2.7	3



GINNA  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 880323-880726 126 DAYS  
 FIELD TIME 100 DAYS

NPC STATION	LOCATION		GROSS EXPOSURE(mR)		NET EXPOSURE RATE	
	AZIMUTH/DIST (deg.) (mi.)		+ - Rdm; Tot.		mR/Std. Qtr. + - Rdm; Tot.	
001	95	1.7	19.0 +- .6	2.0	15.2 +- .6	5.0
002	108	1.1	18.5 +- .6	2.0	14.0 +- .6	5.0
003	142	1.7	18.3 +- .5	2.7	14.6 +- .5	5.0
004	154	1.5	19.1 +- .6	2.9	15.3 +- .6	5.0
005	174	1.4	18.0 +- .5	2.7	14.3 +- .6	5.0
006	212	1.6	17.0 +- .5	2.6	13.4 +- .5	4.9
007	244	.9	17.9 +- .5	2.7	14.2 +- .6	4.9
008	230	.6	18.9 +- .6	2.0	15.1 +- .6	5.0
010	266	1.5	18.7 +- .6	2.0	15.0 +- .6	5.0
011	264	4.6	20.7 +- .6	3.1	16.7 +- .6	5.1
012	245	3.8	18.0 +- .5	2.7	14.3 +- .6	4.9
013	235	4.2	17.7 +- .5	2.7	14.1 +- .6	4.9
014	200	3.8	17.2 +- .5	2.6	13.6 +- .5	4.9
015	178	3.4	17.2 +- .5	2.6	13.6 +- .5	4.9
016	160	3.7	17.6 +- .5	2.6	14.0 +- .6	4.9
017	134	3.8	16.6 +- .5	2.5	13.0 +- .5	4.9
018	115	4.3	18.5 +- .6	2.0	14.7 +- .6	5.0
019	88	4	16.7 +- .5	2.5	13.2 +- .5	4.9
020	90	6.2	16.5 +- .5	2.5	12.0 +- .5	4.9
021	123	7.6	16.9 +- .5	2.5	13.0 +- .5	4.9
022	151	11.	17.3 +- .5	2.6	13.7 +- .5	4.9
023	105	12.	17.9 +- .5	2.7	14.2 +- .6	4.9
024	212	14.	22.2 +- .7	3.3	18.1 +- .7	5.0
025	223	13.	16.2 +- .5	2.4	12.7 +- .5	4.8
026	242	.6.	19.3 +- .6	2.9	15.5 +- .6	5.0
027	254	14.	18.7 +- .6	2.0	14.9 +- .6	5.0
028	234	6.9	17.4 +- .5	2.6	13.0 +- .5	4.9
029	185	.3	18.9 +- .6	2.0	15.1 +- .6	5.0
030	264	15.	16.1 +- .5	2.4	12.6 +- .5	4.8
TRANSIT DOSE = 2.1 +- .3 ; 4.8						



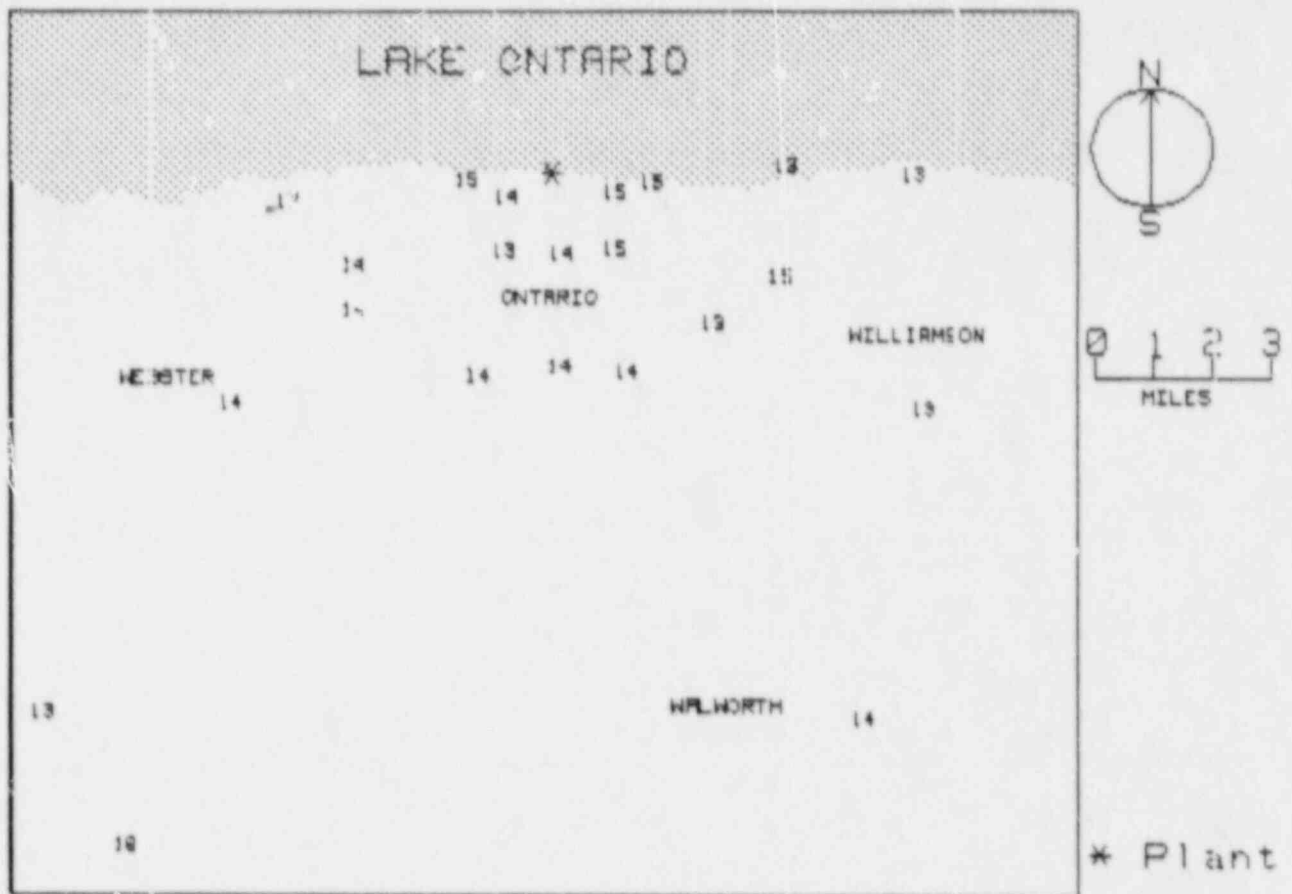
GINNA  
FOR THE PERIOD 880323-880726

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
348.75-11.25 (N)	NO DATA+-NO DATA	0
11.25-33.75 (NNE)	NO DATA+-NO DATA	0
33.75-56.25 (NE)	NO DATA+-NO DATA	0
56.25-78.75 (ENE)	NO DATA+-NO DATA	0
78.75-101.25 (E)	13.8 $\pm$ 1.2	3
101.25-123.75 (ESE)	14.3 $\pm$ .7	4
123.75-146.25 (SE)	13.8 $\pm$ 1.1	2
146.25-168.75 (SSE)	14.3 $\pm$ .8	3
168.75-191.25 (S)	14.4 $\pm$ .7	3
191.25-213.75 (SSW)	15.0 $\pm$ 2.6	3
213.75-236.25 (SW)	13.9 $\pm$ 1.0	4
236.25-258.75 (WSW)	14.3 $\pm$ .8	2
258.75-281.25 (W)	15.8 $\pm$ 1.2	2
281.25-303.75 (WNW)	NO DATA+-NO DATA	0
303.75-326.25 (NW)	NO DATA+-NO DATA	0
326.25-348.75 (NNW)	NO DATA+-NO DATA	0

DISTANCE (m) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
0-2	14.7 $\pm$ .8	10
2-5	14.1 $\pm$ 1.1	9
>5	14.1 $\pm$ 1.6	7
UPWIND CONTROL DATA	14.3 $\pm$ 1.5	3

VRC TLD DOSES FOR GINNA AREA  
(mR per 90 days)



GRAND GULF  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 880323-880715 115 DAYS  
 FIELD TIME 93 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE(mR)		NET EXPOSURE RATE mR/Std.Qtr.	
	AZIMUTH (deg.)	DIST (mi.)	+ Rdm;Tot.		+ Rdm;Tot.	
001	337	2.1	18.0 +- .5	2.7	16.7 +- .6	4.7
002	351	1.6	15.6 +- .5	2.3	14.4 +- .5	4.5
003	20	1.5	20.2 +- .6	3.0	18.9 +- .6	4.9
004	51	2.3	19.0 +- .6	2.8	17.7 +- .6	4.8
005	68	2.7	17.3 +- .5	2.6	16.1 +- .6	4.7
006	47	4.1	MISSING OR DAMAGED DOSIMETER			
007	68	4.4	20.4 +- .6	3.1	19.1 +- .6	4.9
008	91	3.2	20.5 +- .6	3.1	19.1 +- .6	4.9
009	81	1.8	19.1 +- .6	2.9	17.8 +- .6	4.8
010	109	0.6	21.3 +- .6	3.2	19.9 +- .7	5.0
011	139	0.8	19.8 +- .6	3.0	18.5 +- .6	4.9
012	185	1.6	19.1 +- .6	2.9	17.8 +- .6	4.8
013	207	1.9	21.1 +- .6	3.2	19.7 +- .7	5.0
014	247	1.5	18.1 +- .5	2.7	16.8 +- .6	4.7
015	130	4.2	20.8 +- .6	3.1	19.4 +- .6	5.0
016	122	4.8	20.2 +- .6	3.0	18.9 +- .6	4.9
017	135	5.3	18.2 +- .5	2.7	17.0 +- .6	4.7
018	147	4.3	17.3 +- .5	2.6	16.1 +- .6	4.7
019	224	6.8	20.6 +- .6	3.1	19.3 +- .6	4.9
020	172	3.6	18.9 +- .6	2.8	17.6 +- .6	4.8
021	291	12.	18.4 +- .6	2.8	17.2 +- .6	4.8
022	332	8.8	20.2 +- .6	3.0	18.9 +- .6	4.9
023	310	7.9	16.4 +- .5	2.5	15.2 +- .5	4.6
024	281	7.8	18.8 +- .5	2.7	16.8 +- .6	4.7
025	291	4.8	17.5 +- .6	2.9	18.2 +- .6	4.8
026	248	9.5	18.2 +- .5	2.7	17.0 +- .6	4.7
027	234	13.	18.7 +- .6	2.8	17.4 +- .6	4.8
029	090	8.9	19.6 +- .6	2.9	18.3 +- .6	4.8
030	67	51	15.9 +- .5	2.4	14.7 +- .5	4.6
031	67	51	17.3 +- .5	2.6	16.1 +- .6	4.7
032	67	51	17.5 +- .5	2.6	16.2 +- .6	4.7
033	206	4.8	19.4 +- .6	2.9	18.1 +- .6	4.8
TRANSIT DOSE =			.3 +- .3			4.1

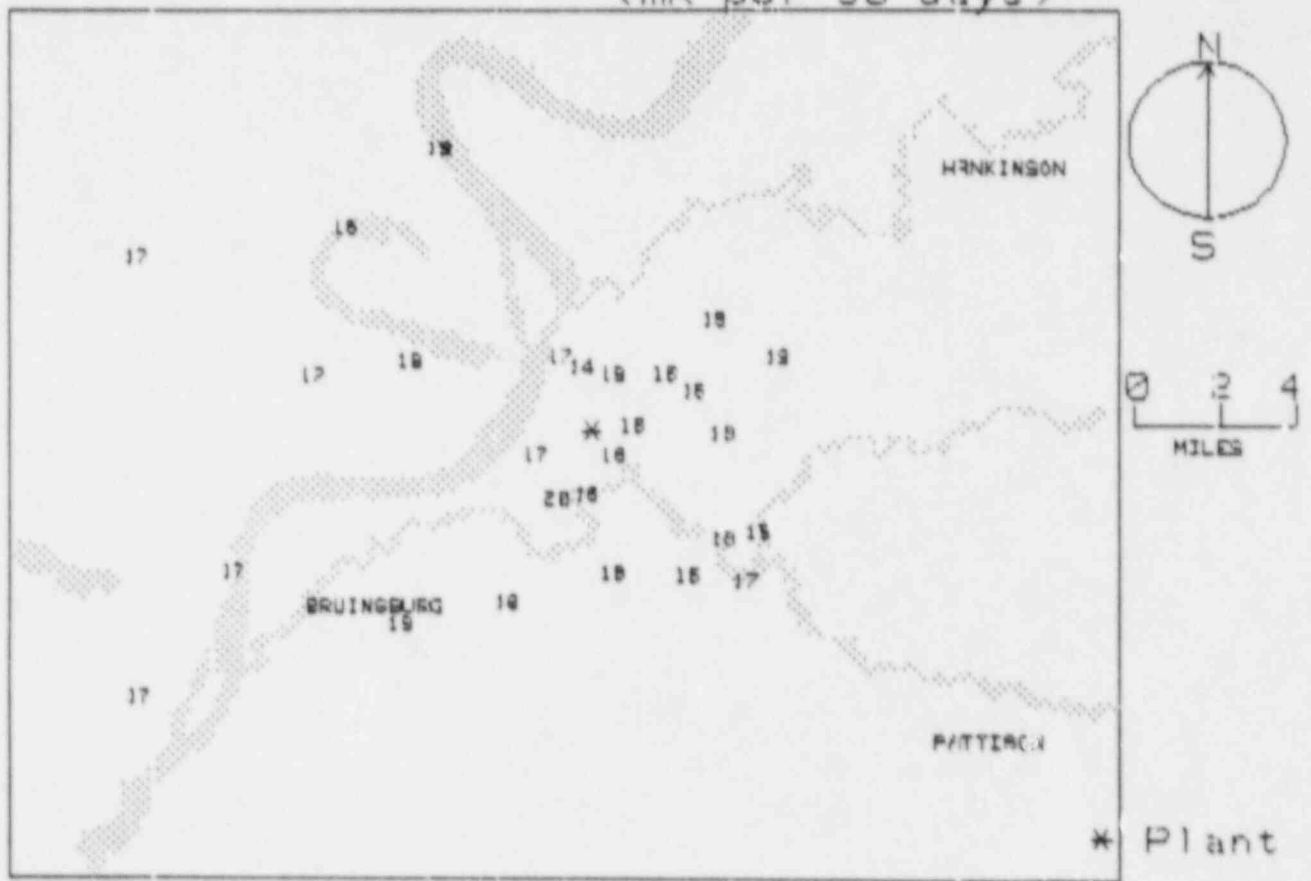
GRAND GULF  
FOR THE PERIOD 880323-880715

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
348.75-11.25 (N)	14.4 $\pm$ 0.0	1
11.25-33.75 (NNE)	18.8 $\pm$ 0.0	1
33.75-56.25 (NE)	17.7 $\pm$ 0.0	1
56.25-78.75 (ENE)	17.6 $\pm$ 2.1	2
78.75-101.25 (E)	18.4 $\pm$ .7	3
101.25-123.75 (ESE)	19.4 $\pm$ .7	2
123.75-146.25 (SE)	18.3 $\pm$ 1.2	3
146.25-168.75 (SSE)	16.1 $\pm$ 0.0	1
168.75-191.25 (S)	17.7 $\pm$ .2	2
191.25-213.75 (SSW)	18.8 $\pm$ 1.1	2
213.75-236.25 (SW)	19.3 $\pm$ 0.0	1
236.25-258.75 (WSW)	17.1 $\pm$ .3	3
258.75-281.25 (W)	16.8 $\pm$ 0.0	1
281.25-303.75 (WNW)	17.7 $\pm$ .8	2
303.75-326.25 (NW)	15.2 $\pm$ 0.0	1
326.25-348.75 (NNW)	17.8 $\pm$ 1.5	2

DISTANCE (mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
0-2	17.9 $\pm$ 1.6	10
2-5	18.0 $\pm$ 1.2	10
>5	17.3 $\pm$ 1.3	8
UPWIND CONTROL DATA	15.7 $\pm$ .8	3

NRC TLD DOSES FOR GRAND GULF AREA  
(mR per 90 days)



HADDAM NECK  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 880324-880714 113 DAYS  
 FIELD TIME 95 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)			NET EXPOSURE RATE		
	AZIMUTH (deg.)	DIST (mi.)	+ -	Rdm; Tot.		mR/Std. Qtr. + -	Rdm; Tot.	
002	17	2.6	20.1	+ -	.6 ; 3.0	18.9	+ -	.6 ; 4.7
003	45	1.9	21.0	+ -	.6 ; 3.1	19.8	+ -	.6 ; 4.8
004	67	2.3	18.9	+ -	.6 ; 2.8	17.8	+ -	.6 ; 4.6
005	93	1.6	17.4	+ -	.5 ; 2.6	16.4	+ -	.5 ; 4.5
006	115	2.3	17.2	+ -	.5 ; 2.6	16.2	+ -	.5 ; 4.5
007	143	1.9	18.2	+ -	.5 ; 2.7	17.2	+ -	.6 ; 4.6
008	165	.9	17.3	+ -	.5 ; 2.6	16.3	+ -	.5 ; 4.5
009	174	1.3	19.9	+ -	.6 ; 3.0	18.8	+ -	.6 ; 4.7
010	195	.7	17.7	+ -	.5 ; 2.6	16.7	+ -	.5 ; 4.5
012	241	.8	18.3	+ -	.5 ; 2.7	17.2	+ -	.6 ; 4.6
013	263	.8	17.7	+ -	.5 ; 2.6	16.7	+ -	.5 ; 4.5
014	290	1.9	19.4	+ -	.6 ; 2.9	18.3	+ -	.6 ; 4.7
015	311	1.5	16.1	+ -	.5 ; 2.4	15.2	+ -	.5 ; 4.4
016	341	1.3	17.6	+ -	.5 ; 2.6	16.6	+ -	.5 ; 4.5
017	360	2.3	20.6	+ -	.6 ; 3.1	19.4	+ -	.6 ; 4.8
018	222	2.5	17.8	+ -	.5 ; 2.7	16.8	+ -	.6 ; 4.5
019	269	0	17.3	+ -	.5 ; 2.6	16.3	+ -	.5 ; 4.5
020	66	3.2	17.4	+ -	.5 ; 2.6	16.4	+ -	.5 ; 4.5
021	91	2.8	18.0	+ -	.6 ; 2.8	17.9	+ -	.6 ; 4.6
022	112	3.2	18.4	+ -	.6 ; 2.8	17.3	+ -	.6 ; 4.6
023	137	2.9	18.8	+ -	.5 ; 2.7	17.8	+ -	.6 ; 4.5
024	155	7.1	18.8	+ -	.5 ; 2.7	17.8	+ -	.6 ; 4.5
025	175	5.7	16.9	+ -	.5 ; 2.5	16.8	+ -	.5 ; 4.5
026	196	2.5	17.8	+ -	.5 ; 2.5	16.8	+ -	.5 ; 4.5
027	225	1.1	18.8	+ -	.6 ; 2.8	17.7	+ -	.6 ; 4.6
028	258	3.5	17.8	+ -	.5 ; 2.6	16.1	+ -	.5 ; 4.5
029	348	20	19.9	+ -	.6 ; 3.0	18.8	+ -	.6 ; 4.7
030	286	3.2	17.6	+ -	.5 ; 2.6	16.6	+ -	.5 ; 4.5
031	322	2.7	19.3	+ -	.6 ; 2.9	18.2	+ -	.6 ; 4.6
032	327	2.9	20.3	+ -	.6 ; 3.0	19.1	+ -	.6 ; 4.7
033	359	6.4	17.1	+ -	.5 ; 2.6	16.1	+ -	.5 ; 4.5
035	54	18	16.7	+ -	.5 ; 2.5	15.7	+ -	.5 ; 4.4
036	72	8.8	19.7	+ -	.6 ; 2.9	18.6	+ -	.6 ; 4.7
037	149	6.8	16.8	+ -	.5 ; 2.5	15.9	+ -	.5 ; 4.4
038	158	5.9	16.6	+ -	.5 ; 2.5	15.6	+ -	.5 ; 4.4
039	267	8.8	17.1	+ -	.5 ; 2.6	16.1	+ -	.5 ; 4.5
040	303	9.1	19.7	+ -	.6 ; 2.9	18.6	+ -	.6 ; 4.7
041	313	9.6	17.2	+ -	.5 ; 2.7	16.8	+ -	.6 ; 4.5
042	328	13	18.8	+ -	.6 ; 2.8	17.7	+ -	.6 ; 4.6
043	324	18	16.8	+ -	.5 ; 2.4	15.1	+ -	.5 ; 4.4
044	328	15	18.5	+ -	.6 ; 2.8	17.4	+ -	.6 ; 4.6
045	343	18	19.3	+ -	.6 ; 2.9	18.2	+ -	.6 ; 4.6
046	144	0	MISSING OR DAMAGED DOSIMETER					
049	348	20	18.4	+ -	.6 ; 2.8	17.4	+ -	.6 ; 4.6
TRANSIT DOSE =			.1	+ -	.2 ; 4.0			

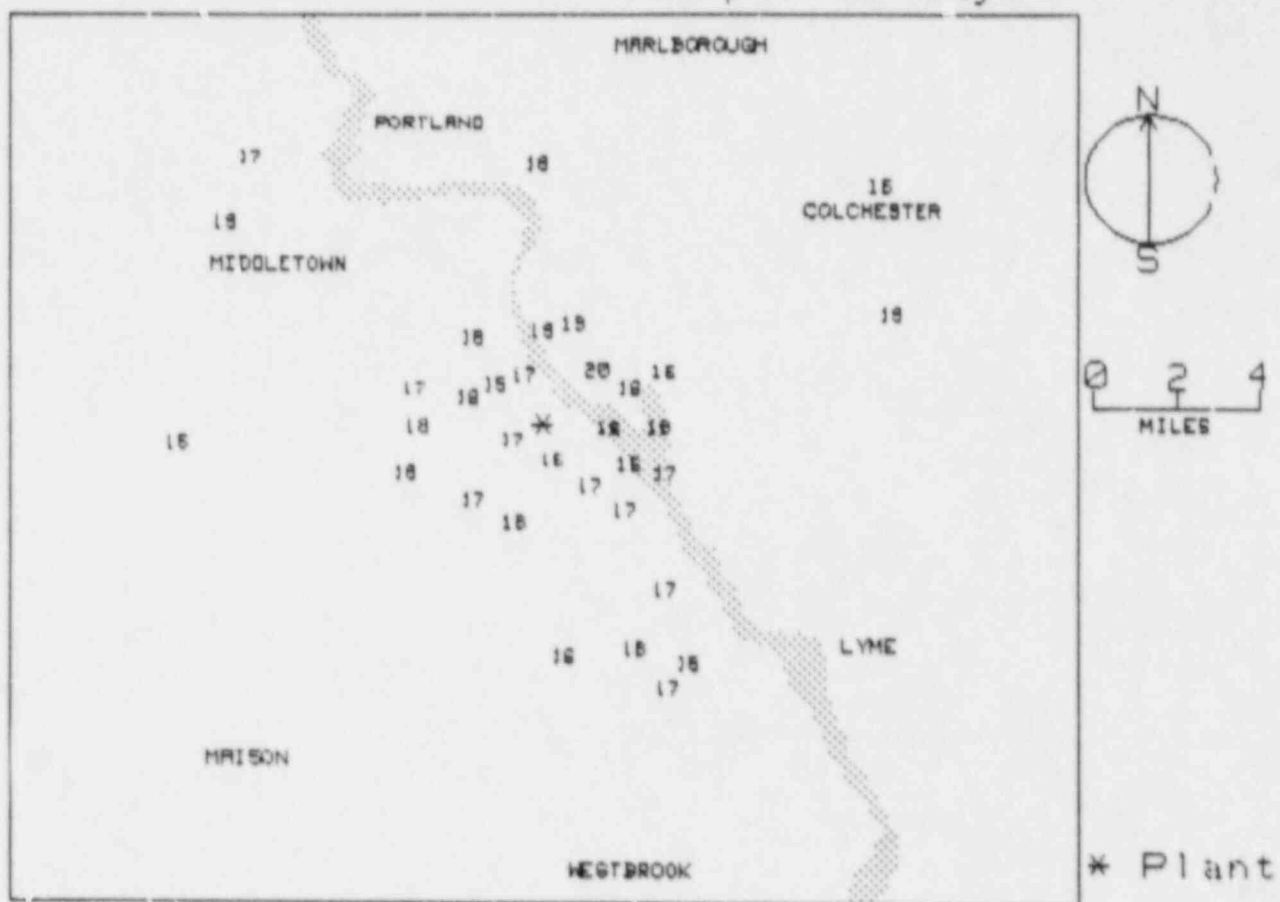
HADDAM NECK  
FOR THE PERIOD 880324-880714

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	# IN GROUP
348.75-11.25 (N)	17.8 $\pm$ 2.3	2
11.25-33.75 (NNE)	18.8 $\pm$ 0.0	1
33.75-56.25 (NE)	17.8 $\pm$ 2.9	2
56.25-78.75 (ENE)	17.8 $\pm$ 1.1	3
78.75-101.25 (E)	17.1 $\pm$ 1.0	2
101.25-123.75 (ESE)	16.8 $\pm$ .8	2
123.75-146.25 (SE)	17.1 $\pm$ .1	2
146.25-168.75 (SSE)	16.2 $\pm$ .6	4
168.75-191.25 (S)	17.4 $\pm$ 2.0	2
191.25-213.75 (SSW)	16.3 $\pm$ .5	2
213.75-236.25 (SW)	17.2 $\pm$ .7	2
236.25-258.75 (WSW)	16.6 $\pm$ .8	2
258.75-281.25 (W)	16.4 $\pm$ .3	3
281.25-303.75 (WNW)	17.8 $\pm$ 1.1	3
303.75-326.25 (NW)	16.8 $\pm$ 1.4	5
326.25-348.75 (NNW)	18.0 $\pm$ 1.0	5

DISTANCE(mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	# IN GROUP
0-2	17.2 $\pm$ 1.2	12
2-5	17.3 $\pm$ 1.2	15
>5	16.8 $\pm$ 1.2	15
UPWIND CONTROL DATA	17.4 $\pm$ 0.0	1

NRC TLD DOSES FOR HADDAM NECK AREA  
(mR per 90 days)





HARRIS  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 880323-880715 115 DAYS  
 FIELD TIME 91 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)		NET EXPOSURE RATE	
	AZIMUTH (deg.)	DIST (mi.)	+ - Rdm; Tot.		mR/Std. Qtr. + - Rdm; Tot.	
001	36	2.6	18.2 +- .5	; 2.7	15.2 +- .6	; 5.3
002	25	3.2	MISSING OR DAMAGED DOSIMETER			
003	5	2.5	19.1 +- .6	; 2.9	16.1 +- .6	; 5.4
004	27	1.5	19.1 +- .6	; 2.9	16.1 +- .6	; 5.4
005	36	0.9	15.6 +- .5	; 2.3	12.7 +- .6	; 5.2
006	68	0.8	15.1 +- .5	; 2.3	12.1 +- .5	; 5.1
007	98	0.7	17.0 +- .5	; 2.5	14.0 +- .6	; 5.3
008	232	0.7	16.0 +- .5	; 2.4	13.1 +- .6	; 5.2
009	190	0.8	14.3 +- .4	; 2.1	11.3 +- .5	; 5.1
010	158	0.7	16.4 +- .5	; 2.5	13.4 +- .6	; 5.2
011	42	4.7	21.6 +- .6	; 3.2	18.5 +- .7	; 5.6
012	48	0.6	18.0 +- .5	; 2.7	15.0 +- .6	; 5.3
013	298	13.	14.2 +- .4	; 2.1	11.2 +- .5	; 5.1
014	298	12.	16.3 +- .5	; 2.4	13.3 +- .6	; 5.2
015	298	11.	14.6 +- .4	; 2.2	11.7 +- .5	; 5.1
016	332	4.8	16.6 +- .5	; 2.5	13.6 +- .6	; 5.2
017	291	4.5	13.3 +- .4	; 2.0	10.3 +- .5	; 5.0
018	278	5.1	16.6 +- .5	; 2.5	13.6 +- .6	; 5.2
019	248	5.1	18.7 +- .6	; 2.8	15.7 +- .6	; 5.4
020	227	4.8	13.4 +- .4	; 2.0	10.4 +- .5	; 5.0
021	288	4.8	13.9 +- .4	; 2.1	11.0 +- .5	; 5.1
022	190	4.6	16.4 +- .5	; 2.5	13.4 +- .6	; 5.2
023	151	4.8	MISSING OR DAMAGED DOSIMETER			
024	132	4.7	16.4 +- .5	; 2.5	13.4 +- .6	; 5.2
025	112	5.0	18.5 +- .6	; 2.8	15.5 +- .6	; 5.4
026	92	4.6	14.6 +- .4	; 2.2	11.7 +- .5	; 5.1
027	115	2.8	15.0 +- .5	; 2.3	12.1 +- .5	; 5.1
028	135	2.3	13.9 +- .4	; 2.1	11.0 +- .5	; 5.1
029	164	2.2	17.4 +- .5	; 2.6	14.4 +- .6	; 5.3
030	49	2.2	16.2 +- .5	; 2.4	13.2 +- .6	; 5.2
031	276	1.8	16.2 +- .5	; 2.4	13.2 +- .6	; 5.2
032	292	1.7	17.7 +- .5	; 2.7	14.7 +- .6	; 5.3
033	314	1.4	15.3 +- .5	; 2.3	12.4 +- .5	; 5.1
034	329	1.3	17.9 +- .5	; 2.7	14.9 +- .6	; 5.3
035	358	4.5	17.9 +- .5	; 2.7	14.9 +- .6	; 5.3
036	338	4.4	18.4 +- .6	; 2.8	15.4 +- .6	; 5.4
037	16	4.9	18.8 +- .6	; 2.8	15.8 +- .6	; 5.4
038	68	4.8	13.9 +- .4	; 2.1	11.0 +- .5	; 5.1
039	88	6.9	16.2 +- .5	; 2.4	13.3 +- .6	; 5.2
040	88	6.9	16.2 +- .5	; 2.4	13.3 +- .6	; 5.2
041	118	9.7	21.0 +- .6	; 3.2	18.0 +- .7	; 5.6
042	268	1.1	15.9 +- .5	; 2.4	13.0 +- .6	; 5.2
043	333	1.7	18.4 +- .6	; 2.8	15.4 +- .6	; 5.4
044	58	24.	23.4 +- .7	; 3.5	20.4 +- .8	; 5.8
TRANSIT DOSE = 2.8 +- .3 ; 4.7						

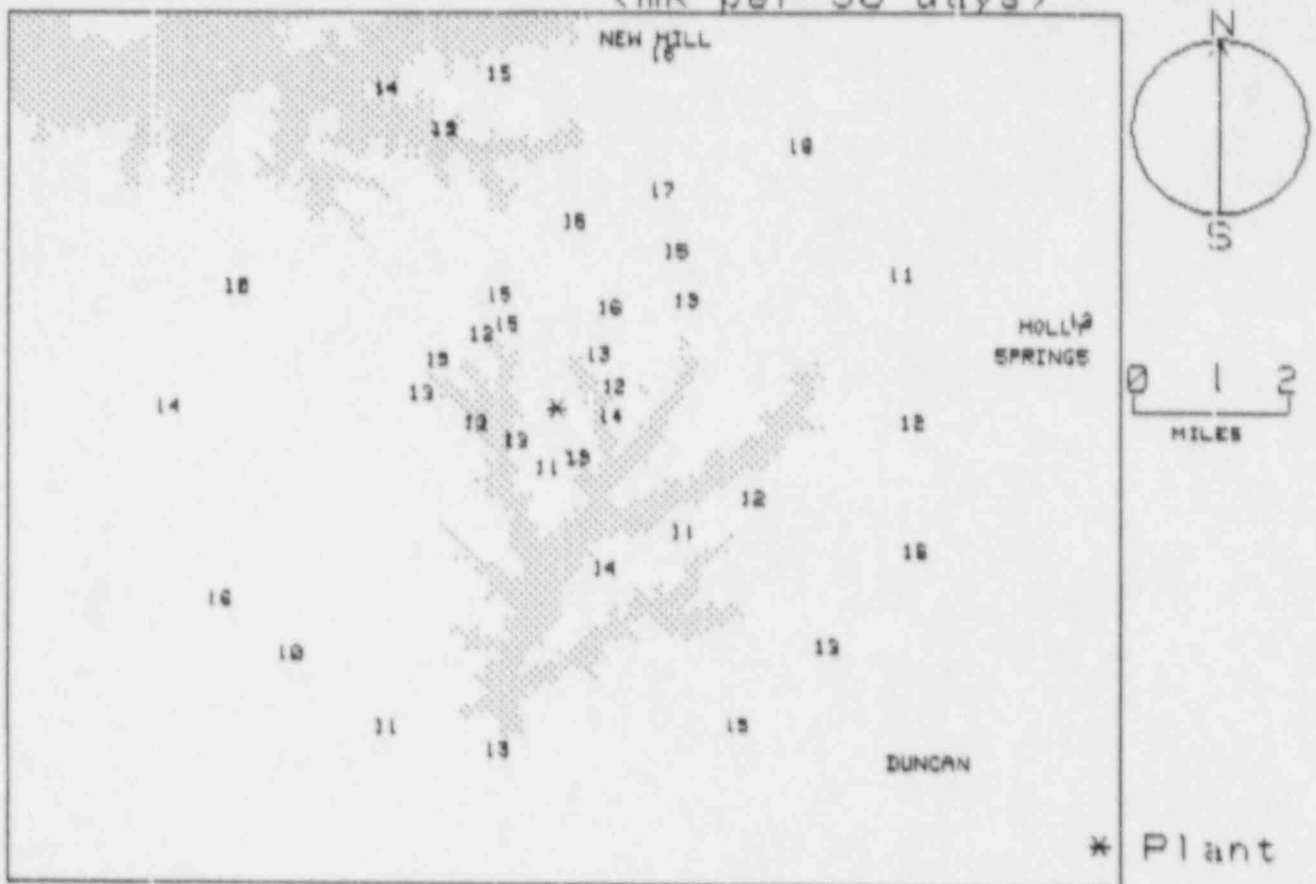
HARRIS  
FOR THE PERIOD 880323-880715

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	# IN GROUP
348.75-11.25 (N)	15.5 $\pm$ .8	2
11.25-33.75 (NNE)	15.8 $\pm$ .2	2
33.75-56.25 (NE)	15.8 $\pm$ 3.0	6
56.25-78.75 (ENE)	11.5 $\pm$ .8	2
78.75-101.25 (E)	13.0 $\pm$ 1.0	4
101.25-123.75 (ESE)	15.2 $\pm$ 3.0	3
123.75-146.25 (SE)	12.2 $\pm$ 1.7	3
146.25-168.75 (SSE)	13.8 $\pm$ .7	2
168.75-191.25 (S)	12.4 $\pm$ 1.5	2
191.25-213.75 (SSW)	11.0 $\pm$ 0.0	1
213.75-236.25 (SW)	11.7 $\pm$ 1.9	2
236.25-258.75 (WSW)	15.7 $\pm$ 0.0	1
258.75-281.25 (W)	13.3 $\pm$ .4	3
281.25-303.75 (WNW)	12.5 $\pm$ 3.1	2
303.75-326.25 (NW)	12.4 $\pm$ 0.0	1
326.25-348.75 (NNW)	14.8 $\pm$ .8	4

DISTANCE(mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	# IN GROUP
0-2	13.6 $\pm$ 1.4	13
2-5	13.5 $\pm$ 2.3	18
>5	15.6 $\pm$ 2.7	7
UPWIND CONTROL DATA	12.1 $\pm$ 1.1	3

NRC TLD DOSES FOR SHEARON-HARRIS AREA  
(mR per 90 days)



## HATCH

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

FOR THE PERIOD 880316-880725 132 DAYS

FIELD TIME 101 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)		NET EXPOSURE RATE	
	AZIMUTH (deg.)	DIST (mi.)	+ - Rdm; Tot.		mR/Std. Qtr. + - Rdm; Tot.	
001	342	23	21.2 +- .6	; 3.2	17.5 +- .6	; 5.0
002	359	7.7	19.2 +- .6	; 2.9	15.7 +- .6	; 4.9
003	354	4.5	19.1 +- .6	; 2.9	15.6 +- .6	; 4.9
004	336	2.9	18.3 +- .5	; 2.7	14.9 +- .6	; 4.8
005	309	4.6	18.9 +- .6	; 2.8	15.4 +- .6	; 4.9
006	297	5.6	21.0 +- .6	; 3.1	17.3 +- .6	; 5.0
007	24	2.8	18.7 +- .6	; 2.8	15.2 +- .6	; 4.9
008	49	2.0	18.8 +- .6	; 2.8	15.3 +- .6	; 4.9
009	49	10.	18.2 +- .5	; 2.7	14.8 +- .6	; 4.8
010	28	4.8	18.7 +- .6	; 2.8	15.3 +- .6	; 4.9
011	67	5.0	18.7 +- .6	; 2.8	15.2 +- .6	; 4.9
012	58	5.1	23.9 +- .7	; 3.6	19.9 +- .7	; 5.2
013	353	2.8	16.5 +- .5	; 2.5	13.9 +- .5	; 4.7
014	341	1.6	20.3 +- .6	; 3.0	16.6 +- .6	; 5.0
015	14	10'	16.5 +- .5	; 2.5	13.3 +- .5	; 4.7
016	232	8.9	17.6 +- .5	; 2.6	14.3 +- .5	; 4.8
017	205	1.6	18.7 +- .6	; 2.8	15.3 +- .6	; 4.9
018	192	4.2	15.7 +- .5	; 2.3	12.5 +- .5	; 4.7
019	184	4.2	15.9 +- .5	; 2.4	12.7 +- .5	; 4.7
020	165	4.6	17.1 +- .5	; 2.6	13.8 +- .5	; 4.8
021	135	4.4	16.6 +- .5	; 2.5	13.4 +- .5	; 4.7
022	120	4.1	MISSING OR DAMAGED DOSIMETER			
023	107	3.7	MISSING OR DAMAGED DOSIMETER			
024	12	14'	17.1 +- .5	; 2.6	13.8 +- .5	; 4.8
025	114	12.	18.2 +- .5	; 2.7	14.8 +- .5	; 4.8
026	142	1.8	19.1 +- .6	; 2.9	15.6 +- .6	; 4.9
027	157	2.2	18.8 +- .5	; 2.7	14.6 +- .5	; 4.8
028	171	8.9	19.3 +- .6	; 2.9	15.8 +- .6	; 4.9
029	253	1.8	18.2 +- .5	; 2.7	14.8 +- .5	; 4.8
030	278	1.8	19.5 +- .6	; 2.9	15.9 +- .6	; 4.9
031	292	1.1	19.1 +- .6	; 2.9	15.6 +- .6	; 4.9
032	368	4.2	18.8 +- .5	; 2.7	14.6 +- .5	; 4.8
033	248	4.3	17.4 +- .5	; 2.6	14.1 +- .5	; 4.8
034	216	4.1	16.2 +- .5	; 2.4	13.8 +- .5	; 4.7
035	23	12'	17.1 +- .5	; 2.6	13.8 +- .5	; 4.8
036	182	10.	20.3 +- .6	; 3.0	16.6 +- .6	; 5.0
037	177	10.	17.5 +- .5	; 2.6	14.1 +- .5	; 4.8
038	323	12.	21.8 +- .6	; 3.1	17.3 +- .6	; 5.0
039	321	13.	20.1 +- .6	; 3.0	16.5 +- .6	; 5.0
040	323	12.	19.2 +- .6	; 2.9	15.7 +- .6	; 4.9
TRANSIT DOSE *			1.6 +- .3	; 4.7		

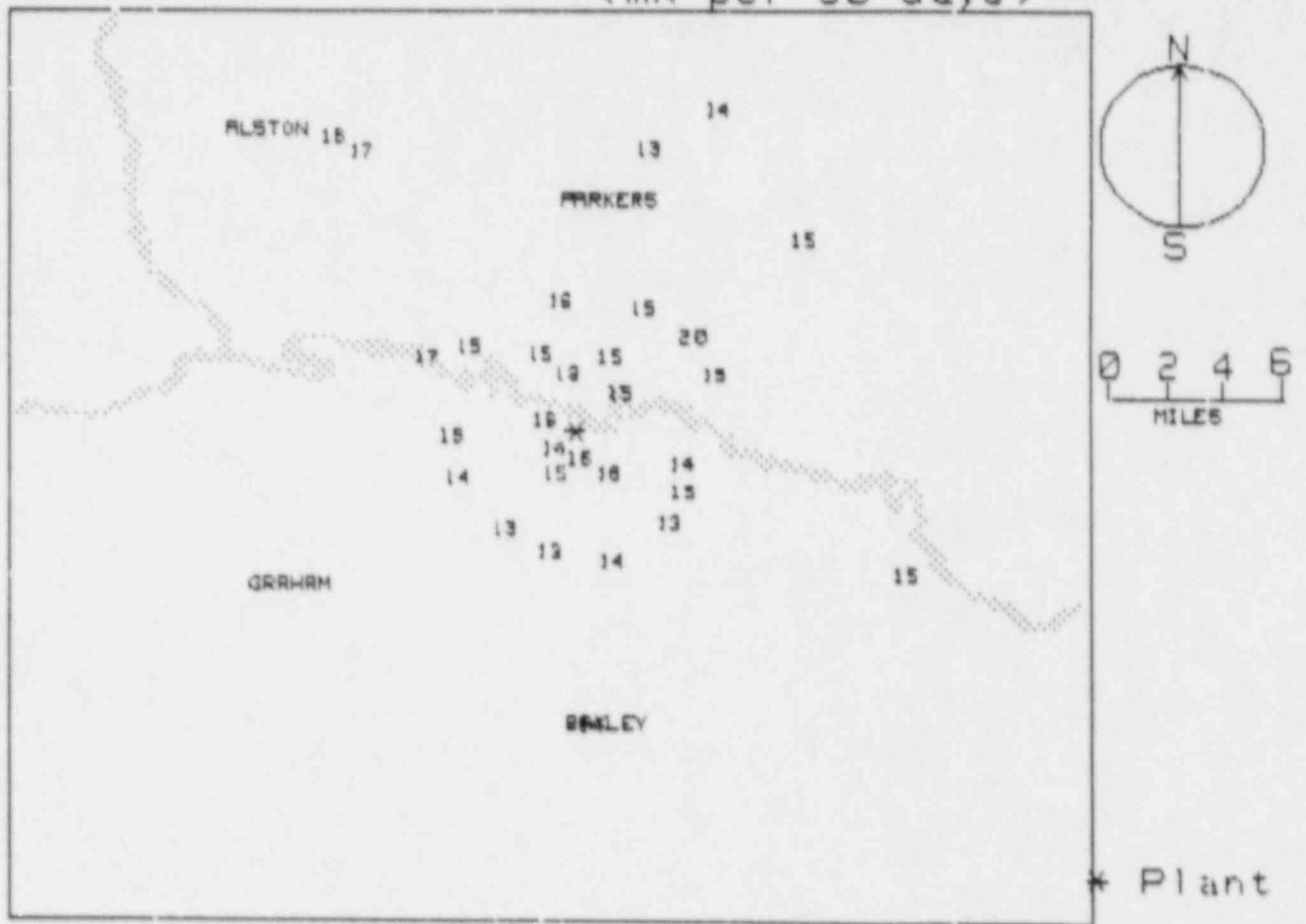
HATCH  
FOR THE PERIOD 880316-880725

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
348.75-11.25 (N)	14.8 $\pm$ 1.4	3
11.25-33.75 (NNE)	14.3 $\pm$ .8	5
33.75-56.25 (NE)	16.7 $\pm$ 2.0	3
56.25-78.75 (ENE)	15.2 $\pm$ 0.0	1
78.75-101.25 (E)	NO DATA $\pm$ NO DATA	0
101.25-123.75 (ESE)	14.8 $\pm$ 0.0	1
123.75-146.25 (SE)	14.5 $\pm$ 1.5	2
146.25-168.75 (SSE)	14.2 $\pm$ .6	2
168.75-191.25 (S)	14.8 $\pm$ 1.7	4
191.25-213.75 (SSW)	13.8 $\pm$ 1.9	3
213.75-236.25 (SW)	13.7 $\pm$ .9	2
236.25-258.75 (WSW)	14.5 $\pm$ .5	0
258.75-281.25 (W)	15.3 $\pm$ .9	0
281.25-303.75 (WNW)	16.4 $\pm$ 1.2	0
303.75-326.25 (NW)	15.4 $\pm$ 0.0	1
326.25-348.75 (NNW)	16.3 $\pm$ 1.3	0

DISTANCE (mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
0-2	15.3 $\pm$ .9	10
2-5	14.3 $\pm$ 1.1	14
>5	15.6 $\pm$ 2.0	11
UPWIND CONTROL DATA	16.5 $\pm$ .8	3

NRC TLD DOSES FOR HATCH AREA  
(mR per 90 days)



INDIAN POINT  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 880323-880726 126 DAYS  
 FIELD TIME 99 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)		NET EXPOSURE RATE	
	AZIMUTH (deg.)	DIST (mi.)	+ - Rdm; Tot.		mR/Std. Qtr.	+ - Rdm; Tot.
001	52	1.4	16.5 +- .5	; 2.5	12.5 +- .5	; 5.0
002	53	1	19.3 +- .6	; 2.9	15.1 +- .6	; 5.2
003	61	1.5	19.4 +- .6	; 2.9	15.2 +- .6	; 5.2
004	89	1.2	19.4 +- .6	; 2.9	15.2 +- .6	; 5.2
005	107	.9	19.2 +- .6	; 2.9	15.0 +- .6	; 5.2
006	90	.5	20.5 +- .6	; 3.1	16.1 +- .6	; 5.3
007	133	.8	MISSING OR DAMAGED DOSIMETER			
008	158	.8	20.0 +- .6	; 3.0	15.7 +- .6	; 5.3
009	188	1.2	MISSING OR DAMAGED DOSIMETER			
010	206	.9	18.4 +- .6	; 2.8	14.2 +- .6	; 5.2
011	170	1.1	18.2 +- .5	; 2.7	14.1 +- .6	; 5.2
012	155	2.3	18.7 +- .6	; 2.8	14.5 +- .6	; 5.2
013	136	3.2	MISSING OR DAMAGED DOSIMETER			
014	107	3.1	17.9 +- .5	; 2.7	13.7 +- .6	; 5.1
015	94	3.8	18.1 +- .5	; 2.7	14.0 +- .6	; 5.1
016	142	5.7	21.2 +- .6	; 3.2	16.7 +- .6	; 5.4
018	147	9.1	21.4 +- .6	; 3.2	16.9 +- .7	; 5.4
019	137	12.	18.6 +- .6	; 2.8	14.4 +- .6	; 5.2
020	129	12.	18.6 +- .6	; 2.8	14.4 +- .6	; 5.2
022	74	7.5	20.0 +- .6	; 3.0	15.7 +- .6	; 5.3
023		92	20.8 +- .6	; 3.1	16.4 +- .6	; 5.3
024	5	92	20.9 +- .6	; 3.1	16.5 +- .6	; 5.3
025	65	4.1	19.1 +- .6	; 2.9	14.8 +- .6	; 5.2
026	40	4	23.0 +- .7	; 3.4	18.4 +- .7	; 5.5
027	25	5.3	21.1 +- .6	; 3.2	16.7 +- .6	; 5.4
028	24	2.9	20.7 +- .6	; 3.1	16.3 +- .6	; 5.3
029	22	2.1	18.9 +- .6	; 2.8	14.7 +- .6	; 5.2
030	8	1.9	20.4 +- .6	; 3.1	16.1 +- .6	; 5.3
031	356	5	20.3 +- .6	; 3.0	16.0 +- .6	; 5.3
032	330	3.7	22.5 +- .7	; 3.4	18.0 +- .7	; 5.5
033	338	4.7	21.8 +- .7	; 3.3	17.3 +- .7	; 5.4
034	354	7	22.8 +- .7	; 3.4	18.2 +- .7	; 5.5
035	297	4.4	21.0 +- .6	; 3.1	16.6 +- .6	; 5.3
036	309	3.6	MISSING OR DAMAGED DOSIMETER			
037	350	1.1	21.3 +- .6	; 3.2	16.8 +- .7	; 5.4
038	337	.9	21.8 +- .7	; 3.3	17.3 +- .7	; 5.4
039	315	1	17.4 +- .5	; 2.6	13.3 +- .6	; 5.1
040	294	1.1	23.0 +- .7	; 3.5	18.4 +- .7	; 5.5
041	274	1.1	22.1 +- .7	; 3.3	17.6 +- .7	; 5.4
042	248	1.5	22.6 +- .7	; 3.4	18.0 +- .7	; 5.5
044	5	92.	20.5 +- .6	; 3.1	16.1 +- .6	; 5.3
045	227	2.4	20.6 +- .6	; 3.1	16.2 +- .6	; 5.3
046	209	3.2	19.7 +- .6	; 2.9	15.4 +- .6	; 5.3
047	218	5.3	20.2 +- .6	; 3.0	15.9 +- .6	; 5.3
048	201	4.6	20.6 +- .6	; 3.1	16.2 +- .6	; 5.3
049	187	5.2	18.3 +- .5	; 2.7	14.2 +- .6	; 5.2
050	171	7.1	19.1 +- .6	; 2.9	14.9 +- .6	; 5.2
TRANSIT DOSE = 2.7 +- .3 ; 5.0						

INDIAN POINT  
 FOR THE PERIOD 860323-880726

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
348.75-11.25 (N)	16.6 $\pm$ .8	5
11.25-33.75 (NNE)	15.8 $\pm$ 1.1	3
33.75-56.25 (NE)	15.3 $\pm$ 2.9	3
56.25-78.75 (ENE)	15.2 $\pm$ .4	3
78.75-101.25 (E)	15.1 $\pm$ 1.1	3
101.25-123.75 (ESE)	14.4 $\pm$ .9	2
123.75-146.25 (SE)	15.2 $\pm$ 1.3	3
146.25-168.75 (SSE)	15.7 $\pm$ 1.2	3
168.75-191.25 (S)	14.4 $\pm$ .4	3
191.25-213.75 (SSW)	15.3 $\pm$ 1.0	3
213.75-236.25 (SW)	16.1 $\pm$ .3	2
236.25-258.75 (WSW)	18.0 $\pm$ 0.0	1
258.75-281.25 (W)	17.6 $\pm$ 0.0	1
281.25-303.75 (WNW)	17.5 $\pm$ 1.3	2
303.75-326.25 (NW)	13.3 $\pm$ 0.0	1
326.25-348.75 (NNW)	17.5 $\pm$ .4	3

DISTANCE (mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
0-2	15.7 $\pm$ 1.7	16
2-5	15.9 $\pm$ 1.4	14
>5	15.8 $\pm$ 1.3	11
UPWIND CONTROL DATA	16.4 $\pm$ .1	2





KEWAUNEE/PT. BEACH  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 880321-880725 127 DAYS  
 FIELD TIME 98 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)			NET EXPOSURE RATE mR/Std. Qtr.		
	AZIMUT (deg.)	ALT (m.)	+ -	Rdm; Tot.		+ -	Rdm; Tot.	
001	189	8.1	18.3	+ - .5	2.7	11.1	+ - .6	6.1
002	195	7.0	26.7	+ - .8	4.0	18.9	+ - .8	6.7
003	163	4.9	19.0	+ - .6	2.9	11.8	+ - .7	6.2
004	183	3.3	22.7	+ - .7	3.4	15.1	+ - .7	6.4
005	210	3.2	17.6	+ - .5	2.6	10.5	+ - .6	6.1
006	223	3.7	22.9	+ - .7	3.4	15.3	+ - .7	6.4
007	242	5.7	20.0	+ - .6	3.0	12.7	+ - .7	6.2
008	202	1.8	23.4	+ - .7	3.5	15.8	+ - .8	6.5
009	180	1.8	21.5	+ - .6	3.2	14.1	+ - .7	6.3
010	158	1.9	18.1	+ - .5	2.7	11.0	+ - .6	6.1
011	235	1.2	24.3	+ - .7	3.6	16.7	+ - .8	6.5
012	258	1.4	20.2	+ - .6	3.0	12.8	+ - .7	6.3
013	273	1.4	22.9	+ - .7	3.4	15.4	+ - .7	6.4
014	290	0.9	23.0	+ - .7	3.4	15.4	+ - .7	6.4
015	333	0.8	22.0	+ - .7	3.3	14.5	+ - .7	6.4
016	342	1.9	21.5	+ - .6	3.2	14.1	+ - .7	6.3
017	317	2.0	17.7	+ - .5	2.6	10.5	+ - .6	6.1
018	310	3.4	24.8	+ - .7	3.7	17.1	+ - .8	6.6
019	293	4.0	19.9	+ - .6	3.0	12.6	+ - .7	6.2
020	273	4.0	20.0	+ - .6	3.0	12.7	+ - .7	6.2
021	300	5.6	20.2	+ - .6	3.0	12.8	+ - .7	6.3
022	316	5.9	21.2	+ - .6	3.2	13.0	+ - .7	6.3
023	345	2.7	23.1	+ - .7	3.5	15.5	+ - .7	6.4
024	219	1.3	20.4	+ - .6	3.1	13.0	+ - .7	6.3
025	247	1.4	23.0	+ - .7	3.4	15.4	+ - .7	6.4
026	263	1.3	22.7	+ - .7	3.4	15.1	+ - .7	6.4
027	290	1.4	24.0	+ - .7	3.6	15.3	+ - .8	6.5
028	320	1.3	23.0	+ - .7	3.5	15.5	+ - .7	6.4
029	342	1.1	MISSING OR DAMAGED DOSIMETER					
030	329	0.6	22.8	+ - .7	3.4	15.3	+ - .7	6.4
031	13	1.0	21.5	+ - .6	3.2	14.0	+ - .7	6.3
032	353	2.1	22.3	+ - .7	3.3	14.8	+ - .7	6.4
033	301	3.9	22.5	+ - .7	3.4	15.0	+ - .7	6.4
034	299	8.4	22.9	+ - .7	3.4	15.3	+ - .7	6.4
035	323	3.8	19.6	+ - .6	2.9	12.0	+ - .7	6.2
036	336	3.3	22.5	+ - .7	3.4	15.0	+ - .7	6.4
037	6	3.1	21.0	+ - .6	3.2	13.6	+ - .7	6.3
038	14	3.7	20.9	+ - .6	3.1	13.5	+ - .7	6.3
039	13	7.6	19.1	+ - .6	2.9	11.9	+ - .7	6.2
040	247	4.3	26.6	+ - .8	4.0	18.0	+ - .8	6.7
041	8	23.	18.1	+ - .5	2.7	11.0	+ - .6	6.1
042	8	23.	18.8	+ - .6	2.8	11.6	+ - .6	6.2
043	8	23.	17.3	+ - .5	2.6	10.2	+ - .6	6.1
TRANSIT DOSE *	6.2	+ - .4						

KEWAUNEE/PT. BEACH  
FOR THE PERIOD 880321-880725

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
348.75-11.25 (N)	14.2 $\pm$ .8	2
11.25-33.75 (NNE)	13.1 $\pm$ 1.1	3
33.75-56.25 (NE)	NO DATA+-NO DATA	0
56.25-78.75 (ENE)	NO DATA+-NO DATA	0
78.75-101.25 (E)	NO DATA+-NO DATA	0
101.25-123.75 (ESE)	NO DATA+-NO DATA	0
123.75-146.25 (SE)	NO DATA+-NO DATA	0
146.25-168.75 (SSE)	11.4 $\pm$ .6	2
168.75-191.25 (S)	13.4 $\pm$ 2.1	3
191.25-213.75 (SSW)	15.1 $\pm$ 4.2	3
213.75-236.25 (SW)	15.0 $\pm$ 1.0	3
236.25-258.75 (WSW)	14.9 $\pm$ 2.0	4
258.75-281.25 (W)	14.4 $\pm$ 1.5	3
281.25-303.75 (WNW)	14.6 $\pm$ 1.5	6
303.75-326.25 (NW)	13.8 $\pm$ 2.6	5
326.25-348.75 (NNW)	14.8 $\pm$ .8	5

DISTANCE (mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
0-2	14.4 $\pm$ 1.7	17
2-5	14.2 $\pm$ 2.1	15
>5	13.8 $\pm$ 2.6	7
UPWIND CONTROL DATA	10.8 $\pm$ .7	3

MAP FOR KEWAUNEE/PT. BEACH

Map will be provided for this site in the future.

LACROSSE  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 880321-880721 123 DAYS  
 FIELD TIME 92 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)			NET EXPOSURE RATE mR/Std.Qtr.		
	AZIMUTH (deg.)	DIST (mi.)	+ -	Rdm	Tot.	+ -	Rdm	Tot.
001	5/	20.	19.2	+-	.6 ; 2.9	14.5	+-	.7 ; 5.8
002	5/	20.	19.1	+-	.6 ; 2.9	14.4	+-	.7 ; 5.8
003	3/	20.	19.6	+-	.6 ; 2.9	14.9	+-	.7 ; 5.9
004	343	3.8	18.4	+-	.6 ; 3.8	13.7	+-	.6 ; 5.8
005	313	3.8	21.8	+-	.6 ; 3.2	16.3	+-	.7 ; 6.8
006	291	3.8	19.6	+-	.6 ; 2.9	14.9	+-	.7 ; 5.9
007	261	4.8	20.3	+-	.6 ; 3.8	15.6	+-	.7 ; 5.9
008	249	3.2	23.3	+-	.7 ; 3.5	18.5	+-	.8 ; 6.2
009	214	5.8	21.8	+-	.7 ; 3.3	17.1	+-	.7 ; 6.8
010	171	9.8	17.8	+-	.5 ; 2.7	13.1	+-	.6 ; 5.7
011	176	5.1	18.7	+-	.6 ; 2.8	14.8	+-	.7 ; 5.8
012	165	4.9	21.1	+-	.6 ; 3.2	16.4	+-	.7 ; 6.8
013	138	3.5	21.3	+-	.6 ; 3.2	16.5	+-	.7 ; 6.8
014	114	4.2	19.6	+-	.6 ; 2.9	14.9	+-	.7 ; 5.9
015	97	3.9	19.1	+-	.6 ; 2.9	14.4	+-	.7 ; 5.8
016	94	3.8	20.1	+-	.6 ; 3.8	15.4	+-	.7 ; 5.9
017	185	2.8	21.5	+-	.6 ; 3.2	16.8	+-	.7 ; 6.8
018	52	1.5	18.8	+-	.6 ; 2.8	14.1	+-	.7 ; 5.8
019	16	1.5	18.5	+-	.6 ; 2.8	13.8	+-	.6 ; 5.8
020	7	1.8	17.9	+-	.5 ; 2.7	13.2	+-	.6 ; 5.8
021	358	8.5	21.1	+-	.6 ; 3.2	16.4	+-	.7 ; 6.8
022	188	8.6	20.8	+-	.6 ; 3.8	15.3	+-	.7 ; 5.9
023	134	1.7	20.6	+-	.6 ; 3.1	15.8	+-	.7 ; 5.9
024	58	8.6	20.7	+-	.6 ; 3.1	16.8	+-	.7 ; 6.8
025	59	3.1	22.8	+-	.7 ; 3.4	18.8	+-	.8 ; 6.1
026	16	1.5	19.5	+-	.6 ; 2.9	14.8	+-	.7 ; 5.9
027	26	5.1	20.1	+-	.6 ; 3.8	15.4	+-	.7 ; 5.9
028	25	7.8	16.8	+-	.5 ; 2.5	12.2	+-	.6 ; 5.7
029	4	4.8	23.1	+-	.7 ; 3.5	18.3	+-	.8 ; 6.1
TRANSIT DOSE = 4.4 +- .4 ; 5.2								

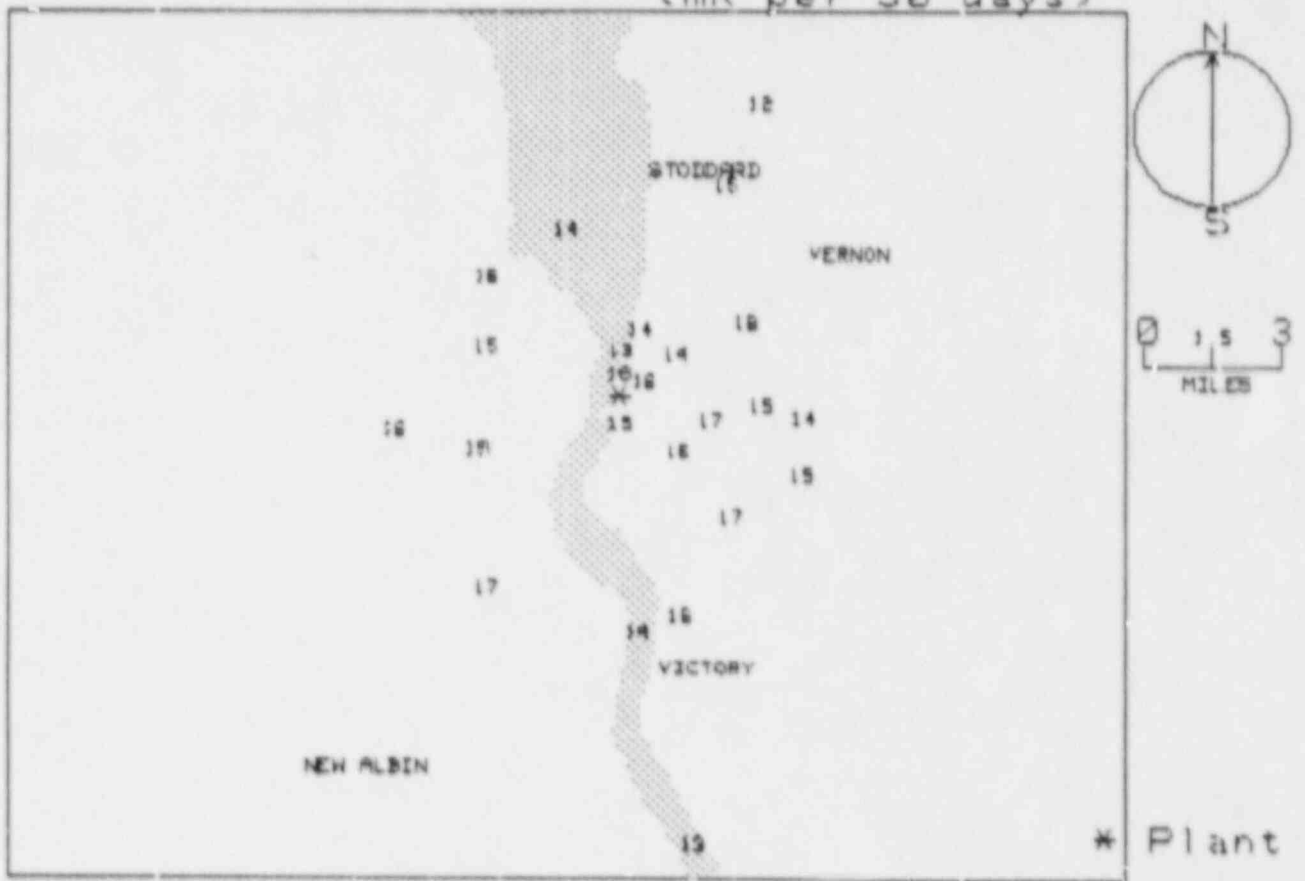
LACROSSE  
FOR THE PERIOD 880321-880721

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	# IN GROUP
348.75-11.25 (N)	16.8 $\pm$ 2.6	3
11.25-33.75 (NNE)	14.1 $\pm$ 1.4	4
33.75-56.25 (NE)	14.1 $\pm$ 0.0	1
56.25-78.75 (ENE)	17.0 $\pm$ 1.5	2
78.75-101.25 (E)	14.9 $\pm$ .7	2
101.25-123.75 (ESE)	15.8 $\pm$ 1.3	2
123.75-146.25 (SE)	16.2 $\pm$ .5	2
146.25-168.75 (SSE)	16.4 $\pm$ 0.0	1
168.75-191.25 (S)	14.1 $\pm$ 1.1	3
191.25-213.75 (SSW)	NO DATA+-NO DATA	0
213.75-236.25 (SW)	17.1 $\pm$ 0.0	1
236.25-258.75 (WSW)	18.5 $\pm$ 0.0	1
258.75-281.25 (W)	15.8 $\pm$ 0.0	1
281.25-303.75 (WNW)	14.9 $\pm$ 0.0	1
303.75-326.25 (NW)	16.3 $\pm$ 0.0	1
326.25-348.75 (NNW)	13.7 $\pm$ 0.0	1

DISTANCE (mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	# IN GROUP
0-2	15.1 $\pm$ 1.2	9
2-5	16.2 $\pm$ 1.5	13
>5	13.7 $\pm$ 1.4	4
UPWIND CONTROL DATA	14.6 $\pm$ .2	3

### NRC TLD DOSES FOR LACROSSE AREA (mR per 90 days)



LA SALLE  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 000315-000710 126 DAYS  
 FIELD TIME 86 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)		NET EXPOSURE RATE	
	AZIMUTH (deg.)	DIST (mi.)	+ - Rdm; Tot.		mR/Std. Dev.	+ - Rdm; Tot.
001	302	10.	19.4 +- .6	2.9	17.2 +- .7	5.6
002	335	4.8	23.3 +- .7	3.5	21.2 +- .8	6.0
003	343	5.8	17.6 +- .5	2.6	15.3 +- .6	5.5
004	38	5.5	24.6 +- .7	3.7	22.6 +- .8	6.1
005	39	4.3	16.6 +- .5	2.5	14.3 +- .6	5.4
006	27	3.8	21.0 +- .6	3.1	18.6 +- .7	5.8
007	355	4.1	22.8 +- .7	3.4	20.7 +- .8	5.9
008	304	4.6	23.2 +- .7	3.5	21.1 +- .8	6.0
009	292	3.9	20.2 +- .6	3.0	18.0 +- .7	5.7
010	276	3.7	23.7 +- .7	3.5	21.6 +- .8	6.0
011	248	4.0	21.7 +- .6	3.2	19.5 +- .7	5.8
012	222	12.	20.9 +- .6	3.1	18.8 +- .7	5.8
013	212	18.	21.7 +- .6	3.2	19.5 +- .7	5.8
014	212	18.	21.5 +- .6	3.2	19.4 +- .7	5.8
015	212	18.	21.2 +- .6	3.2	19.1 +- .7	5.8
016	215	4.4	22.2 +- .7	3.3	20.1 +- .8	5.9
017	204	4.0	21.3 +- .6	3.2	19.2 +- .7	5.8
018	173	4.6	22.4 +- .7	3.4	20.3 +- .8	5.9
019	174	6.4	19.8 +- .6	3.0	17.6 +- .7	5.7
020	158	4.9	21.3 +- .6	3.2	19.1 +- .7	5.8
021	125	4.2	MISSING OR DAMAGED DOSIMETER			
022	114	3.8	22.3 +- .7	3.3	20.2 +- .8	5.9
023	97	4.5	MISSING OR DAMAGED DOSIMETER			
024	72	4.7	21.9 +- .7	3.3	19.8 +- .8	5.8
025	41	2.0	22.5 +- .7	3.4	20.4 +- .8	5.9
026	13	1.6	21.2 +- .6	3.2	19.0 +- .7	5.8
027	358	1.5	22.4 +- .7	3.4	20.3 +- .8	5.9
028	336	1.6	21.2 +- .6	3.2	19.1 +- .7	5.8
029	310	2.3	21.0 +- .6	3.2	18.9 +- .7	5.8
030	301	2.0	23.8 +- .7	3.6	21.8 +- .8	6.0
031	271	1.7	21.2 +- .6	3.2	19.0 +- .7	5.8
032	251	1.8	21.5 +- .6	3.2	19.4 +- .7	5.8
033	227	2.4	23.4 +- .7	3.5	21.3 +- .8	6.0
034	204	1.7	21.0 +- .6	3.2	18.9 +- .7	5.8
035	171	1.6	20.7 +- .6	3.1	18.5 +- .7	5.7
036	153	1.8	22.2 +- .7	3.3	20.1 +- .8	5.9
037	139	2.1	21.5 +- .6	3.2	19.4 +- .7	5.8
038	111	1.5	18.7 +- .6	2.8	16.5 +- .7	5.6
039	271	0.6	23.4 +- .7	3.5	21.4 +- .8	6.0
TRANSIT DOSE *			3.0 +- .3	4.5		



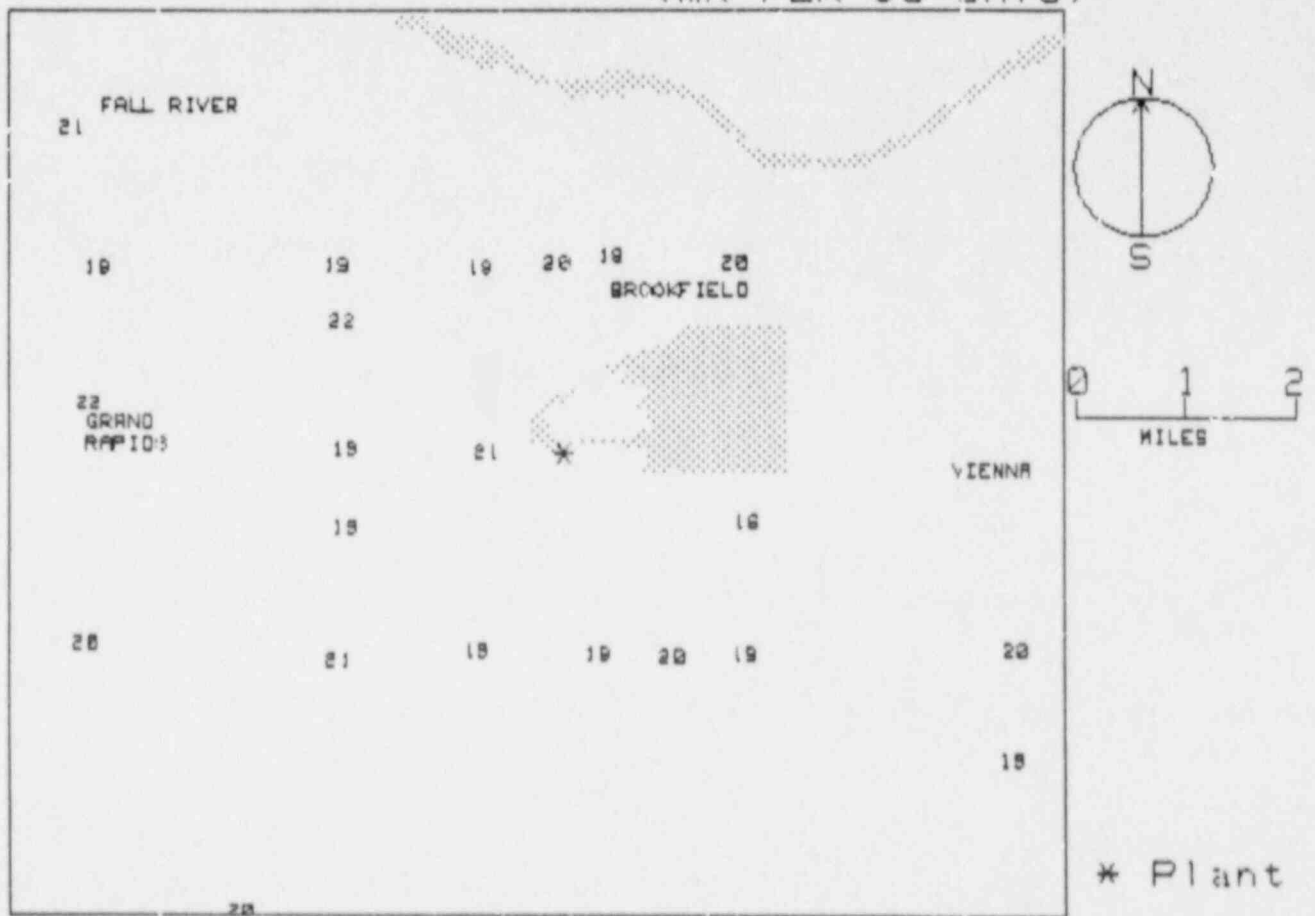
LA SALLE  
FOR THE PL. 101 880315-880718

OLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
348.75-11.25 (N)	20.5 $\pm$ .3	2
11.25-33.75 (NNE)	18.8 $\pm$ .1	2
33.75-56.25 (NE)	19.1 $\pm$ 4.3	3
56.25-78.75 (ENE)	19.8 $\pm$ 8.0	1
78.75-101.25 (E)	NO DATA+-NO DATA	0
101.25-123.75 (ESE)	18.3 $\pm$ 2.7	2
123.75-146.25 (SE)	19.4 $\pm$ 8.0	1
146.25-168.75 (SSE)	19.6 $\pm$ .7	2
168.75-191.25 (S)	18.8 $\pm$ 1.4	3
191.25-213.75 (SSW)	19.0 $\pm$ .2	2
213.75-236.25 (SW)	20.0 $\pm$ 1.3	3
236.25-258.75 (WSW)	19.5 $\pm$ .1	2
258.75-281.25 (W)	20.7 $\pm$ 1.4	3
281.25-303.75 (WNW)	19.0 $\pm$ 2.5	3
303.75-326.25 (NW)	20.0 $\pm$ 1.6	2
326.25-348.75 (NNW)	18.5 $\pm$ 3.0	3

DISTANCE(mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
0-2	19.5 $\pm$ 1.4	12
2-5	19.8 $\pm$ 1.7	17
>5	18.3 $\pm$ 2.7	5
UPWIND CONTROL DATA	19.3 $\pm$ .2	3

NRC TLD DOSES FOR LASALLE AREA  
(mR PER 90 DAYS)



## LIMERICK

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

FOR THE PERIOD 880323-880714 114 DAYS

FIELD TIME 85 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)		NET EXPOSURE RATE	
	AZIMUTH (deg.)	DIST (mi.)	+ - Rdm; Tot.		mR/Std. Qtr. + - Rdm; Tot.	
001	12	9.	22.9	+ - .7 ; 3.4	22.8	+ - .8 ; 5.6
003	88	3.7	19.1	+ - .6 ; 2.9	18.7	+ - .7 ; 5.2
004	52	3.2	19.9	+ - .6 ; 3.0	19.6	+ - .7 ; 5.3
005	23	3.5	19.4	+ - .6 ; 2.9	19.1	+ - .7 ; 5.2
006	8	4.6	21.6	+ - .6 ; 3.2	21.4	+ - .7 ; 5.4
007	340	7.1	18.5	+ - .6 ; 2.8	18.1	+ - .6 ; 5
008	330	3.6	18.9	+ - .6 ; 2.8	18.5	+ - .7 ; 5.
009	313	3.3	19.1	+ - .6 ; 2.9	18.7	+ - .7 ; 5.2
010	291	4.8	21.4	+ - .6 ; 3.2	21.2	+ - .7 ; 5.4
011	303	2.9	23.6	+ - .7 ; 3.5	23.5	+ - .8 ; 5.6
012	314	1.6	19.2	+ - .6 ; 2.9	18.8	+ - .7 ; 5.2
013	352	1.7	20.5	+ - .6 ; 3.1	20.2	+ - .7 ; 5.3
014	339	1.3	17.3	+ - .5 ; 2.6	16.8	+ - .6 ; 5.0
015	47	1.8	18.2	+ - .5 ; 2.7	17.8	+ - .6 ; 5.1
016	71	2.7	20.7	+ - .6 ; 3.1	20.4	+ - .7 ; 5.3
017	17	.4	19.3	+ - .6 ; 2.9	18.9	+ - .7 ; 5.2
018	286	.5	MISSING OR DAMAGED DOSIMETER			
019	276	.6	17.8	+ - .5 ; 2.7	17.3	+ - .6 ; 5.1
020	245	.9	18.3	+ - .5 ; 2.7	17.9	+ - .6 ; 5.1
021	224	1	18.3	+ - .5 ; 2.7	17.8	+ - .6 ; 5.1
022	202	1.2	18.3	+ - .5 ; 2.7	17.8	+ - .6 ; 5.1
023	172	1.6	17.8	+ - .5 ; 2.7	17.4	+ - .6 ; 5.1
024	150	1.7	18.2	+ - .5 ; 2.7	17.7	+ - .6 ; 5.1
025	132	1.2	20.8	+ - .6 ; 3.0	19.7	+ - .7 ; 5.3
026	120	1.2	20.4	+ - .6 ; 3.1	20.1	+ - .7 ; 5.3
027	160	1	18.8	+ - .6 ; 2.8	18.4	+ - .7 ; 5.1
028	91	1	18.3	+ - .5 ; 2.7	17.8	+ - .6 ; 5.1
029	67	.7	20.8	+ - .6 ; 3.0	19.6	+ - .7 ; 5.3
030	146	3.4	22.8	+ - .7 ; 3.3	21.8	+ - .7 ; 5.5
031	158	2.8	18.8	+ - .5 ; 2.7	17.6	+ - .6 ; 5.1
032	152	7.4	18.8	+ - .5 ; 2.7	17.5	+ - .6 ; 5.1
033	184	4.3	16.9	+ - .5 ; 2.5	16.4	+ - .6 ; 5.0
034	201	3.9	17.7	+ - .5 ; 2.7	17.3	+ - .6 ; 5.0
035	225	5.1	18.7	+ - .6 ; 2.8	18.3	+ - .6 ; 5.1
036	245	4.2	19.3	+ - .6 ; 2.9	19.0	+ - .7 ; 5.2
037	266	3.9	15.9	+ - .5 ; 2.4	15.4	+ - .6 ; 4.9
038	290	15	26.6	+ - .6 ; 3.1	26.3	+ - .7 ; 5.3
039	290	15	19.9	+ - .6 ; 3.0	19.5	+ - .7 ; 5.2
040	290	15	19.4	+ - .6 ; 2.9	19.0	+ - .7 ; 5.2
041	128	3	15.8	+ - .5 ; 2.4	15.2	+ - .6 ; 4.9
042	111	4.4	20.8	+ - .6 ; 3.0	19.6	+ - .7 ; 5.3
TRANSIT DOSE =			1.4	+ - .3 ; 4.0		

LIMERICK  
FOR THE PERIOD 880323-880714

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
348.75-11.25 (N)	20.8 $\pm$ .8	2
11.25-33.75 (NNE)	20.2 $\pm$ 2.2	3
33.75-56.25 (NE)	18.7 $\pm$ 1.3	2
56.25-78.75 (ENE)	20.0 $\pm$ .5	2
78.75-101.25 (E)	18.3 $\pm$ .6	2
101.25-123.75 (ESE)	19.8 $\pm$ .3	2
123.75-146.25 (SE)	18.8 $\pm$ 3.4	3
146.25-168.75 (SSE)	17.8 $\pm$ .4	4
168.75-191.25 (S)	16.8 $\pm$ .7	2
191.25-213.75 (SSW)	17.6 $\pm$ .4	2
213.75-236.25 (SW)	18.1 $\pm$ .3	2
236.25-258.75 (WSW)	18.4 $\pm$ .7	2
258.75-281.25 (W)	16.3 $\pm$ 1.4	2
281.25-303.75 (WNW)	22.3 $\pm$ 1.6	2
303.75-326.25 (NW)	18.8 $\pm$ .1	2
326.25-348.75 (NNW)	17.8 $\pm$ .8	3

DISTANCE (mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
0-2	18.4 $\pm$ 1.1	16
2-5	19.0 $\pm$ 2.3	17
>5	19.2 $\pm$ 2.4	4
UPWIND CONTROL DATA	19.6 $\pm$ .7	3



MAINE YANKEE  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 880323-880714 114 DAYS  
 FIELD TIME 92 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)		NET EXPOSURE RATE			
	AZIMUTH/DIST (deg.) (mi.)		+ - Rdm; Tot.		mR/Std.Qtr. + - Rdm; Tot.			
001	340	1.	19.9 +- .6	; 3.0	18.5 +- .6	; 5.0		
002	6	1.4	18.0 +- .5	; 2.7	16.6 +- .6	; 4.8		
003	23	1.5	19.0 +- .6	; 2.9	17.6 +- .6	; 4.9		
004	44	1.8	19.9 +- .6	; 3.0	18.5 +- .6	; 5.0		
005	116	.5	19.4 +- .6	; 2.9	18.0 +- .6	; 4.9		
006	168	1	20.0 +- .6	; 3.0	18.6 +- .6	; 5.0		
007	185	1.6	18.6 +- .6	; 2.8	17.2 +- .6	; 4.9		
008	195	2.3	18.7 +- .6	; 2.8	17.3 +- .6	; 4.9		
009	209	3.8	17.5 +- .5	; 2.6	16.2 +- .6	; 4.8		
010	310	1.7	18.2 +- .5	; 2.7	16.8 +- .6	; 4.8		
011	290	1.8	21.2 +- .6	; 3.2	19.7 +- .7	; 5.1		
012	275	1.7	20.1 +- .6	; 3.0	18.7 +- .6	; 5.0		
013	256	1.9	17.9 +- .5	; 2.7	16.5 +- .6	; 4.8		
014	232	2.5	20.2 +- .6	; 3.0	18.7 +- .6	; 5.0		
015	227	5.3	20.7 +- .6	; 3.1	19.2 +- .7	; 5.0		
016	246	4.4	21.8 +- .7	; 3.3	20.4 +- .7	; 5.1		
017	250	6.6	23.8 +- .7	; 3.6	22.3 +- .7	; 5.6		
018	268	4.7	19.8 +- .6	; 3.0	18.4 +- .6	; 5.0		
019	283	4.4	19.7 +- .6	; 3.0	18.3 +- .6	; 5.0		
020	305	4.7	MISSING OR DAMAGED DOSIMETER					
021	300	2.9	20.8 +- .6	; 3.1	19.3 +- .7	; 5.1		
022	332	2.7	20.9 +- .6	; 3.1	19.5 +- .7	; 5.1		
023	20	3.9	20.5 +- .6	; 3.1	19.0 +- .7	; 5.0		
024	23	3	21.0 +- .6	; 3.1	19.5 +- .7	; 5.1		
025	42	4.7	20.6 +- .6	; 3.1	19.1 +- .7	; 5.0		
026	60	15	19.1 +- .6	; 2.9	17.7 +- .6	; 4.9		
027	62	16.	MISSING OR DAMAGED DOSIMETER					
028	63	16.	MISSING OR DAMAGED DOSIMETER					
029	64	2.1	MISSING OR DAMAGED DOSIMETER					
030	84	1.5	MISSING OR DAMAGED DOSIMETER					
031	115	1.6	MISSING OR DAMAGED DOSIMETER					
032	135	2	16.7 +- .5	; 2.5	15.4 +- .6	; 4.7		
033	66	3.5	19.1 +- .6	; 2.9	17.7 +- .6	; 4.9		
034	97	4.9	19.7 +- .6	; 2.9	18.3 +- .6	; 5.0		
035	123	4.8	19.9 +- .6	; 3.0	18.5 +- .6	; 5.0		
036	140	4.7	19.5 +- .6	; 2.9	18.1 +- .6	; 4.9		
037	151	6	18.6 +- .6	; 2.8	17.2 +- .6	; 4.9		
038	152	4.2	20.7 +- .6	; 3.1	19.2 +- .7	; 5.0		
039	172	4.9	19.0 +- .6	; 2.8	17.6 +- .6	; 4.9		
040	156	7.4	MISSING OR DAMAGED DOSIMETER					
TRANSIT DOSE = 1.0 +- .3 ; 4.1								

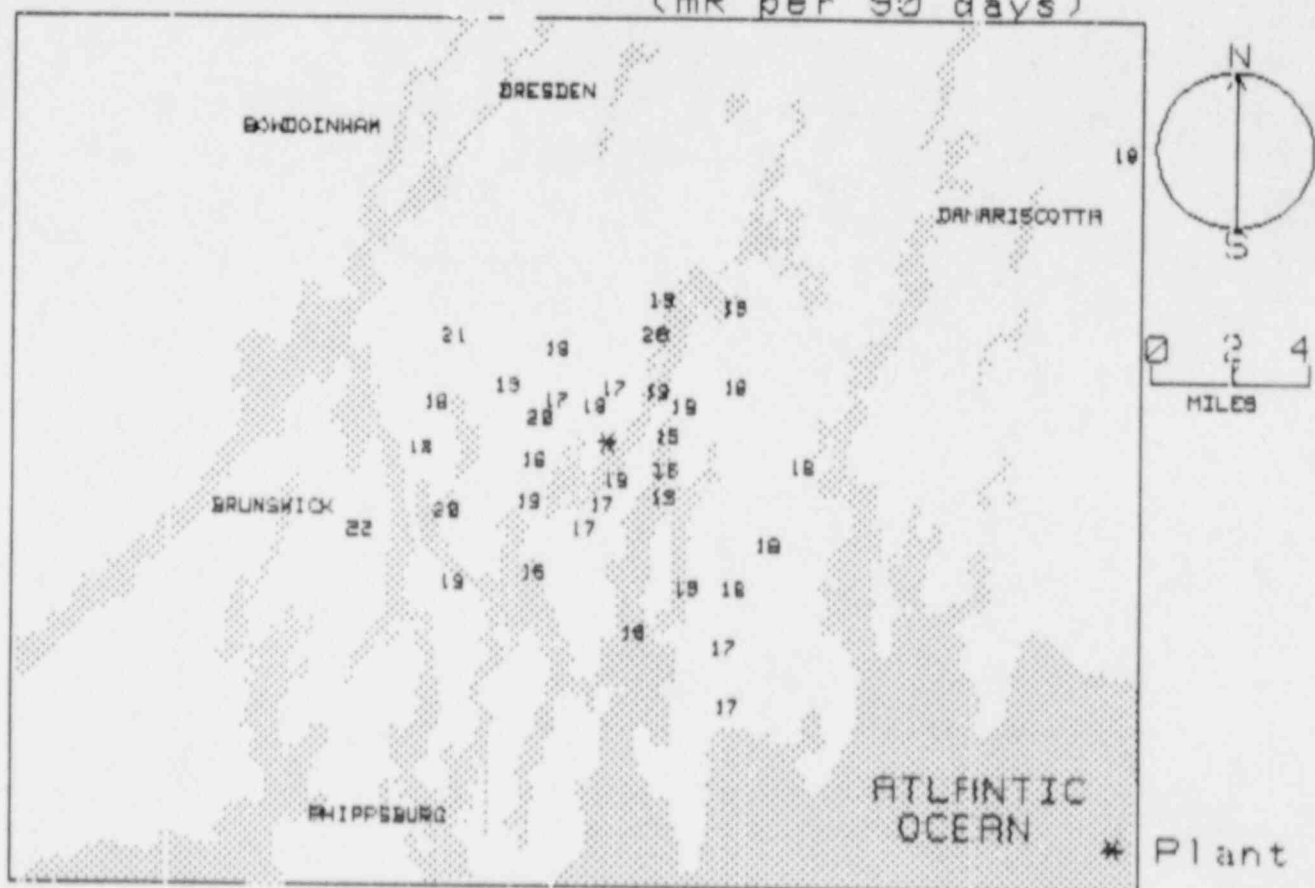
MAINE YANKEE  
FOR THE PERIOD 880323-880714

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
348.75-11.25 (N)	16.6 $\pm$ 0.0	1
11.25-33.75 (NNE)	18.7 $\pm$ 1.0	3
33.75-56.25 (NE)	18.8 $\pm$ .4	2
56.25-78.75 (ENE)	17.7 $\pm$ 0.0	1
78.75-101.25 (E)	18.3 $\pm$ 0.0	1
101.25-123.75 (ESE)	18.2 $\pm$ .3	2
123.75-146.25 (SE)	16.7 $\pm$ 1.0	2
146.25-168.75 (SSE)	18.3 $\pm$ 1.0	3
168.75-191.25 (S)	17.4 $\pm$ .2	2
191.25-213.75 (SSW)	16.7 $\pm$ .8	2
213.75-236.25 (SW)	19.0 $\pm$ .3	2
236.25-258.75 (WSW)	19.7 $\pm$ 3.0	3
258.75-281.25 (W)	18.5 $\pm$ .2	2
281.25-303.75 (WNW)	19.1 $\pm$ .7	3
303.75-326.25 (NW)	16.8 $\pm$ 0.0	1
326.25-348.75 (NNW)	19.0 $\pm$ .7	2

DISTANCE (mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
0-2	17.7 $\pm$ 1.2	12
2-5	18.5 $\pm$ 1.0	17
>5	19.6 $\pm$ 2.6	3
UPWIND CONTROL DATA	17.7 $\pm$ 0.0	1

NRC TLD DOSES FOR MAINE YANKEE AREA  
(mR per 90 days)





MCGUIRE  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 880323-880726 126 DAYS  
 FIELD TIME 95 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)		NET EXPOSURE RATE mR/Std. Qtr.	
	AZIMUTH (deg.)	DIST (mi.)	+ - Rdm; Tot.		+ - Rdm; Tot.	
001	97	0.5	19.0 +- .6	; 2.8	14.6 +- .6	; 5.5
002	323	1.6	20.6 +- .6	; 3.1	16.1 +- .7	; 5.6
003	336	1.7	23.6 +- .7	; 3.5	19.0 +- .7	; 5.9
004	303	2.9	21.3 +- .6	; 3.2	16.8 +- .7	; 5.7
005	321	3.9	22.2 +- .7	; 3.3	17.7 +- .7	; 5.8
006	334	3.7	21.3 +- .6	; 3.2	16.8 +- .7	; 5.7
007	352	3.5	19.7 +- .6	; 2.9	15.2 +- .6	; 5.6
008	287	2.0	25.4 +- .8	; 3.8	20.7 +- .8	; 6.0
009	273	1.9	18.3 +- .5	; 2.7	14.0 +- .6	; 5.5
010	244	1.7	21.3 +- .6	; 3.2	16.8 +- .7	; 5.7
011	225	2.1	19.5 +- .6	; 2.9	15.1 +- .6	; 5.6
012	212	3.6	MISSING OR DAMAGED DOSIMETER			
013	232	4.4	27.5 +- .8	; 4.1	22.7 +- .8	; 6.2
014	253	3.7	23.9 +- .7	; 3.6	19.3 +- .8	; 5.9
015	261	4.2	19.4 +- .6	; 2.9	15.0 +- .6	; 5.5
016	288	4.3	27.3 +- .8	; 4.1	22.5 +- .8	; 6.2
017	288	17'	30.1 +- .9	; 4.5	25.1 +- .9	; 6.4
018	287	2.0	27.2 +- .8	; 4.1	22.4 +- .8	; 6.2
019	286	17'	28.7 +- .9	; 4.3	23.8 +- .9	; 6.3
020	233	18.	27.6 +- .8	; 4.1	22.8 +- .8	; 6.2
021	204	18.	21.1 +- .6	; 3.2	16.6 +- .7	; 5.7
022	239	9.5	20.2 +- .6	; 3.0	15.8 +- .7	; 5.6
023	115	4.9	18.1 +- .5	; 2.7	13.8 +- .6	; 5.5
024	132	4.9	18.3 +- .5	; 2.7	13.9 +- .6	; 5.5
025	156	4.0	16.8 +- .5	; 2.5	12.5 +- .6	; 5.4
026	175	3.7	19.7 +- .6	; 2.9	15.2 +- .6	; 5.6
027	198	4.3	27.1 +- .8	; 4.1	22.3 +- .8	; 6.2
028	169	13'	20.2 +- .6	; 3.0	15.7 +- .7	; 5.6
029	155	13.	19.3 +- .6	; 2.9	14.9 +- .6	; 5.5
030	146	14.	18.8 +- .6	; 2.8	14.4 +- .6	; 5.5
031	143	1.9	19.5 +- .6	; 2.9	15.1 +- .6	; 5.6
032	155	1.3	20.2 +- .6	; 3.0	15.7 +- .7	; 5.6
033	178	1.6	17.4 +- .5	; 2.6	13.1 +- .6	; 5.4
034	188	2.0	21.3 +- .6	; 3.2	16.8 +- .7	; 5.7
035	93	2.2	19.7 +- .6	; 3.0	15.3 +- .6	; 5.6
036	68	2.5	MISSING OR DAMAGED DOSIMETER			
037	82	4.7	20.2 +- .6	; 3.0	15.8 +- .7	; 5.6
038	64	4.9	MISSING OR DAMAGED DOSIMETER			
039	42	5.0	22.4 +- .7	; 3.4	17.8 +- .7	; 5.8
040	26	4.3	18.4 +- .6	; 2.8	14.0 +- .6	; 5.5
041	42	2.0	MISSING OR DAMAGED DOSIMETER			
042	21	1.6	20.8 +- .6	; 3.1	16.3 +- .7	; 5.6
043	8	2.6	23.4 +- .7	; 3.5	18.8 +- .7	; 5.9
044	37'	13.	25.4 +- .8	; 3.0	20.7 +- .8	; 6.0
045	78	19'	MISSING OR DAMAGED DOSIMETER			
046	94	19'	24.8 +- .7	; 3.7	20.1 +- .8	; 6.0
TRANSIT DOSE = 3.6 +- .3 ; 5.1						

MCGUIRE  
FOR THE PERIOD 860323-880726

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
348.75-11.25 (N)	17.0 $\pm$ 2.5	2
11.25-33.75 (NNE)	15.1 $\pm$ 1.6	2
33.75-56.25 (NE)	18.3 $\pm$ 2.0	2
56.25-78.75 (ENE)	NO DATA $\pm$ NO DATA	0
78.75-101.25 (E)	16.4 $\pm$ 2.5	4
101.25-123.75 (ESE)	15.3 $\pm$ 2.1	2
123.75-146.25 (SE)	14.5 $\pm$ .8	3
146.25-168.75 (SSE)	14.4 $\pm$ 1.6	3
168.75-191.25 (S)	14.7 $\pm$ 1.4	3
191.25-213.75 (SSW)	19.5 $\pm$ 4.0	2
213.75-236.25 (SW)	20.2 $\pm$ 4.4	2
236.25-258.75 (WSW)	17.3 $\pm$ 1.8	3
258.75-281.25 (W)	14.5 $\pm$ .7	2
281.25-303.75 (WNW)	20.0 $\pm$ 2.9	3
303.75-326.25 (NW)	16.9 $\pm$ 1.1	2
326.25-348.75 (NNW)	17.8 $\pm$ 1.5	2

DISTANCE (mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
0-2	16.2 $\pm$ 2.2	11
2-5	16.9 $\pm$ 3.0	19
>5	17.6 $\pm$ 3.1	8
UPWIND CONTROL DATA	23.8 $\pm$ 1.4	3

MAP FOR MCGUIRE

Map will be provided for this site in the future.

MILLSTONE  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 880323-880714 114 DAYS  
 FIELD TIME 94 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE(mR)			NET EXPOSURE RATE mR/Std.Qtr.		
	AZIMUTH (deg.)	DIST (mi.)	+-	Rdm;	Tot.	+-	Rdm;	Tot.
001	0	1	21.0	+-	.6 ; 3.2	19.0	+-	.7 ; 5.1
002	24	1.3	16.5	+-	.5 ; 2.5	14.7	+-	.5 ; 4.7
003	47	1.5	21.9	+-	.7 ; 3.3	19.8	+-	.7 ; 5.1
004	60	1.7	19.7	+-	.6 ; 3.0	17.7	+-	.6 ; 5.0
005	85	1.3	21.3	+-	.6 ; 3.2	19.3	+-	.7 ; 5.1
006	110	1.8	20.9	+-	.6 ; 3.1	18.9	+-	.7 ; 5.1
007	67	5.3	20.6	+-	.6 ; 3.1	18.5	+-	.6 ; 5.0
008	49	5.3	21.2	+-	.6 ; 3.2	19.1	+-	.7 ; 5.1
009	84	5.2	19.1	+-	.6 ; 2.9	17.2	+-	.6 ; 4.9
011	232	2.5	20.2	+-	.6 ; 3.0	18.2	+-	.6 ; 5.0
012	256	2.4	22.0	+-	.7 ; 3.3	19.9	+-	.7 ; 5.2
013	274	2.2	21.5	+-	.6 ; 3.2	19.5	+-	.7 ; 5.1
014	295	1.9	23.1	+-	.7 ; 3.5	21.0	+-	.7 ; 5.3
015	315	1.5	17.4	+-	.5 ; 2.6	15.5	+-	.6 ; 4.8
016	339	1.2	21.4	+-	.6 ; 3.2	19.4	+-	.7 ; 5.1
017	353	3.5	20.6	+-	.6 ; 3.1	18.5	+-	.6 ; 5.0
018	24	3.5	21.0	+-	.7 ; 3.3	19.7	+-	.7 ; 5.1
019	33	3	22.4	+-	.7 ; 3.4	20.3	+-	.7 ; 5.2
020	82	4	19.2	+-	.6 ; 2.9	17.3	+-	.6 ; 4.9
022	59	3.7	20.3	+-	.6 ; 3.0	18.3	+-	.6 ; 5.0
028	257	5.8	21.4	+-	.6 ; 3.2	19.4	+-	.7 ; 5.1
029	272	3.7	21.5	+-	.6 ; 3.2	19.5	+-	.7 ; 5.1
030	295	3.5	23.1	+-	.7 ; 3.5	21.0	+-	.7 ; 5.3
031	317	3.6	19.2	+-	.6 ; 2.9	17.3	+-	.6 ; 4.9
032	327	4.3	21.9	+-	.7 ; 3.3	19.8	+-	.7 ; 5.2
033	41	4.7	21.1	+-	.6 ; 3.2	19.0	+-	.7 ; 5.1
034	54	5.5	20.5	+-	.6 ; 3.1	18.5	+-	.6 ; 5.0
037	354	6.8	20.5	+-	.6 ; 3.1	18.5	+-	.6 ; 5.0
039	1	5.7	19.5	+-	.6 ; 2.9	17.5	+-	.6 ; 5.0
040	278	8.7	18.0	+-	.5 ; 2.7	16.1	+-	.6 ; 4.8
041	34	11.	25.0	+-	.8 ; 3.9	23.6	+-	.8 ; 5.5
042	84	8	20.4	+-	.6 ; 3.1	18.4	+-	.6 ; 5.0
046	41	.6	19.4	+-	.6 ; 2.9	17.4	+-	.6 ; 4.9
048	4	40	24.9	+-	.7 ; 3.7	22.7	+-	.8 ; 5.4
049	4	40	25.9	+-	.8 ; 3.9	23.7	+-	.8 ; 5.5

TRANSIT DOSE = 1.2 +- .3 ; 4.3

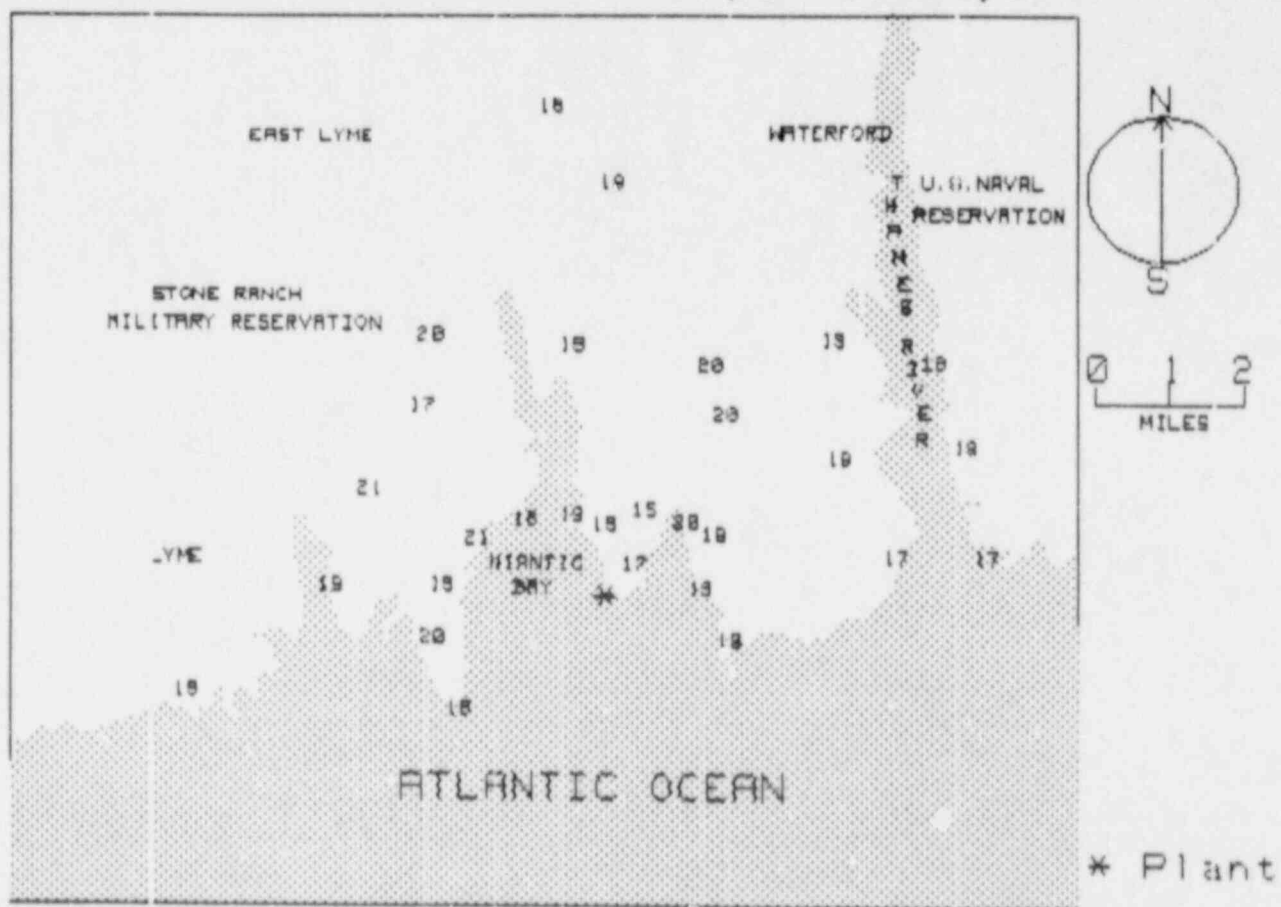
MILLSTONE  
FOR THE PERIOD 880323-880714

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	# IN GROUP
348.75-11.25 (N)	18.4 $\pm$ .8	4
11.25-33.75 (NNE)	18.2 $\pm$ 3.1	3
33.75-56.25 (NE)	19.6 $\pm$ 2.1	6
56.25-78.75 (ENE)	18.2 $\pm$ .4	3
78.75-101.25 (E)	18.0 $\pm$ 1.0	4
101.25-123.75 (ESE)	18.9 $\pm$ 0.0	1
123.75-146.25 (SE)	NO DATA+-NO DATA	0
146.25-168.75 (SSE)	NO DATA+-NO DATA	0
168.75-191.25 (S)	NO DATA+-NO DATA	0
191.25-213.75 (SSW)	NO DATA+-NO DATA	0
213.75-236.25 (SW)	18.2 $\pm$ 0.0	1
236.25-258.75 (WSW)	18.6 $\pm$ .4	2
258.75-281.25 (W)	18.3 $\pm$ 2.0	3
281.25-303.75 (WNW)	21.0 $\pm$ 0.0	2
303.75-326.25 (NW)	16.4 $\pm$ 1.2	2
326.25-348.75 (NNW)	19.6 $\pm$ .3	2

DISTANCE (mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	# IN GROUP
0-2	18.3 $\pm$ 1.9	10
2-5	19.1 $\pm$ 1.1	13
>5	18.7 $\pm$ 2.0	10
UPWIND CONTROL DATA	23.2 $\pm$ .7	2

NRC TLD DOSES FOR MILLSTONE AREA  
(mR per 90 days)



MONTECELLO  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 880321-880718 120 DAYS  
 FIELD TIME 85 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE(mR)		NET EXPOSURE RATE	
	AZIMUTH (deg.)	DIST (mi.)	+ Rdm;Tot.		mR/Std.Qtr. + Rdm;Tot.	
001	133	3.6	18.8 +- .6	; 2.8	15.4 +- .7	; 6.0
002	163	4.6	MISSING OR DAMAGED DOSIMETER			
003	183	4.1	20.7 +- .6	; 3.1	17.5 +- .7	; 6.1
004	206	4.3	19.9 +- .6	; 3.0	16.6 +- .7	; 6.1
005	230	4.2	22.3 +- .7	; 3.3	19.2 +- .8	; 6.3
006	253	4.6	21.2 +- .6	; 3.2	18.0 +- .8	; 6.2
007	269	4.4	20.8 +- .6	; 3.1	17.6 +- .8	; 6.1
008	286	4.0	21.7 +- .7	; 3.3	18.5 +- .8	; 6.2
009	274	1.9	19.9 +- .6	; 3.0	16.6 +- .7	; 6.1
010	244	1.3	18.4 +- .6	; 2.8	15.0 +- .7	; 5.9
011	226	0.9	20.0 +- .6	; 3.0	16.7 +- .7	; 6.1
012	181	1.8	20.2 +- .6	; 3.0	17.0 +- .7	; 6.1
013	137	1.7	20.1 +- .6	; 3.0	16.8 +- .7	; 6.1
014	155	1.0	20.4 +- .6	; 3.1	17.1 +- .7	; 6.1
015	208	0.6	19.8 +- .6	; 3.0	16.5 +- .7	; 6.1
016	284	2.0	19.3 +- .6	; 2.9	16.0 +- .7	; 6.0
017	113	1.6	19.9 +- .6	; 3.0	16.6 +- .7	; 6.1
018	85	1.1	19.3 +- .6	; 2.9	16.0 +- .7	; 6.0
019	63	1.2	19.7 +- .6	; 2.9	16.4 +- .7	; 6.0
020	37	1.7	20.5 +- .6	; 3.1	17.2 +- .7	; 6.1
021	23	0.8	19.5 +- .6	; 2.9	16.2 +- .7	; 6.0
022	354	0.7	20.2 +- .6	; 3.0	16.9 +- .7	; 6.1
023	338	0.8	20.2 +- .6	; 3.0	17.0 +- .7	; 6.1
024	307	1.8	20.2 +- .6	; 3.0	17.0 +- .7	; 6.1
025	339	4.1	20.8 +- .6	; 3.1	17.6 +- .8	; 6.1
026	320	4.6	19.4 +- .6	; 2.9	16.1 +- .7	; 6.0
027	354	4.5	20.9 +- .6	; 3.1	17.6 +- .8	; 6.1
028	17	3.7	19.1 +- .6	; 2.9	15.8 +- .7	; 6.0
029	50	4.0	17.5 +- .5	; 2.6	14.0 +- .7	; 5.9
030	77	3.6	19.9 +- .6	; 3.0	16.6 +- .7	; 6.1
031	115	3.3	18.2 +- .5	; 2.7	14.8 +- .7	; 5.9
032	90	4.6	MISSING OR DAMAGED DOSIMETER			
033	323	16'	19.8 +- .6	; 2.9	15.7 +- .7	; 6.0
034	323	16'	19.8 +- .6	; 3.0	16.5 +- .7	; 6.1
035	323	16'	20.3 +- .6	; 3.0	17.1 +- .7	; 6.1
TRANSIT DOSE =			4.2 +- .3	; 4.9		

MONTICELLO  
FOR THE PERIOD 880321-880718

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

HZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	# IN GROUP
348.75-11.25 (N)	17.3 $\pm$ .5	2
11.25-33.75 (NNE)	16.0 $\pm$ .3	2
33.75-56.25 (NE)	15.6 $\pm$ 2.2	2
56.25-78.75 (ENE)	16.5 $\pm$ .1	2
78.75-101.25 (E)	16.0 $\pm$ 0.0	1
101.25-123.75 (ESE)	15.7 $\pm$ 1.3	2
123.75-146.25 (SE)	16.1 $\pm$ 1.0	2
146.25-168.75 (SSE)	17.1 $\pm$ 0.0	1
168.75-191.25 (S)	17.2 $\pm$ .4	2
191.25-213.75 (SSW)	16.6 $\pm$ .1	2
213.75-236.25 (SW)	18.0 $\pm$ 1.7	2
236.25-258.75 (WSW)	16.5 $\pm$ 2.1	2
258.75-281.25 (W)	17.1 $\pm$ .7	2
281.25-303.75 (WNW)	17.3 $\pm$ 1.0	2
303.75-326.25 (NW)	16.5 $\pm$ .6	2
326.25-348.75 (NNW)	17.3 $\pm$ .4	2

DISTANCE(mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	# IN GROUP
0-2	16.6 $\pm$ .5	18
2-5	16.8 $\pm$ 1.5	14
>5	NO DATA $\pm$ NO DATA	0
UPWIND CONTROL DATA	16.4 $\pm$ .7	3



MAP FOR MONTICELLO

Map will be provided for this site in the future.

NORTH ANNA  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 880323-880726 126 DAYS  
 FIELD TIME 92 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)			NET EXPOSURE RATE mR/Std. Qtr.		
	AZIMUTH (deg.)	DIST (mi.)	+ -	Rdm; Tot.		+ -	Rdm; Tot.	
001	243	1.8	27.2	+ - .8	4.1	23.8	+ - .9	6.3
002	263	1.6	22.6	+ - .7	3.4	18.5	+ - .7	5.9
003	296	1	23.8	+ - .7	3.5	18.9	+ - .8	5.9
004	311	1.3	27.4	+ - .8	4.1	23.2	+ - .9	6.3
005	329	1.3	23.9	+ - .7	3.6	19.8	+ - .8	6.0
006	231	3.9	25.8	+ - .7	3.7	28.8	+ - .8	6.1
007	224	1.7	25.4	+ - .8	3.8	21.3	+ - .8	6.1
008	218	1.6	23.7	+ - .7	3.5	19.6	+ - .8	6.0
009	181	1.4	21.8	+ - .6	3.1	16.9	+ - .7	5.8
010	155	1.7	23.5	+ - .7	3.5	19.5	+ - .8	6.0
011	136	1.6	18.6	+ - .6	2.8	14.6	+ - .6	5.6
012	163	3.5	23.7	+ - .7	3.5	19.6	+ - .8	6.0
013	198	3.3	22.5	+ - .7	3.4	18.4	+ - .7	5.9
014	205	4.9	28.7	+ - .6	3.1	16.7	+ - .7	5.8
015	148	4.2	22.2	+ - .7	3.3	18.1	+ - .7	5.9
016	113	4.9	28.5	+ - .9	4.3	24.3	+ - .9	6.4
017	93	3.3	28.7	+ - .6	3.1	16.7	+ - .7	5.8
018	64	4.1	24.7	+ - .7	3.7	28.6	+ - .8	6.1
019	78	2.7	34.2	+ - 1.8	5.1	29.9	+ - 1.1	7.0
020	97	1.9	MISSING OR DAMAGED DOSIMETER					
021	185	1.7	21.6	+ - .6	3.2	17.6	+ - .7	5.8
022	68	2.4	22.7	+ - .7	3.4	18.6	+ - .7	5.9
023	37	1.4	23.6	+ - .7	3.5	19.5	+ - .8	6.0
024	16	1.6	29.1	+ - .9	4.4	24.8	+ - .9	6.5
025	48	3.5	28.5	+ - .6	3.1	16.5	+ - .7	5.7
026	17	3.7	23.5	+ - .7	3.5	19.4	+ - .8	6.0
027	3	4.8	MISSING OR DAMAGED DOSIMETER					
028	348	4	22.3	+ - .7	3.3	18.2	+ - .7	5.9
029	2	1.9	22.8	+ - .7	3.3	17.9	+ - .7	5.9
030	284	5	21.9	+ - .7	3.3	17.8	+ - .7	5.8
031	318	4.7	25.2	+ - .8	3.8	21.8	+ - .8	6.1
032	273	4.9	19.8	+ - .6	3.8	15.7	+ - .7	5.7
033	257	5.1	23.3	+ - .7	3.5	19.2	+ - .8	6.0
034	242	7.1	24.8	+ - .7	3.7	28.6	+ - .8	6.1
035	255	11.	24.8	+ - .7	3.7	28.6	+ - .8	6.1
036	248	15.	22.9	+ - .7	3.4	18.8	+ - .7	5.9
037	247	17.	22.4	+ - .7	3.4	18.3	+ - .7	5.9
038	244	19.	22.1	+ - .7	3.3	18.8	+ - .7	5.9
TRANSIT DOSE =			3.7	+ - .3	5.8			

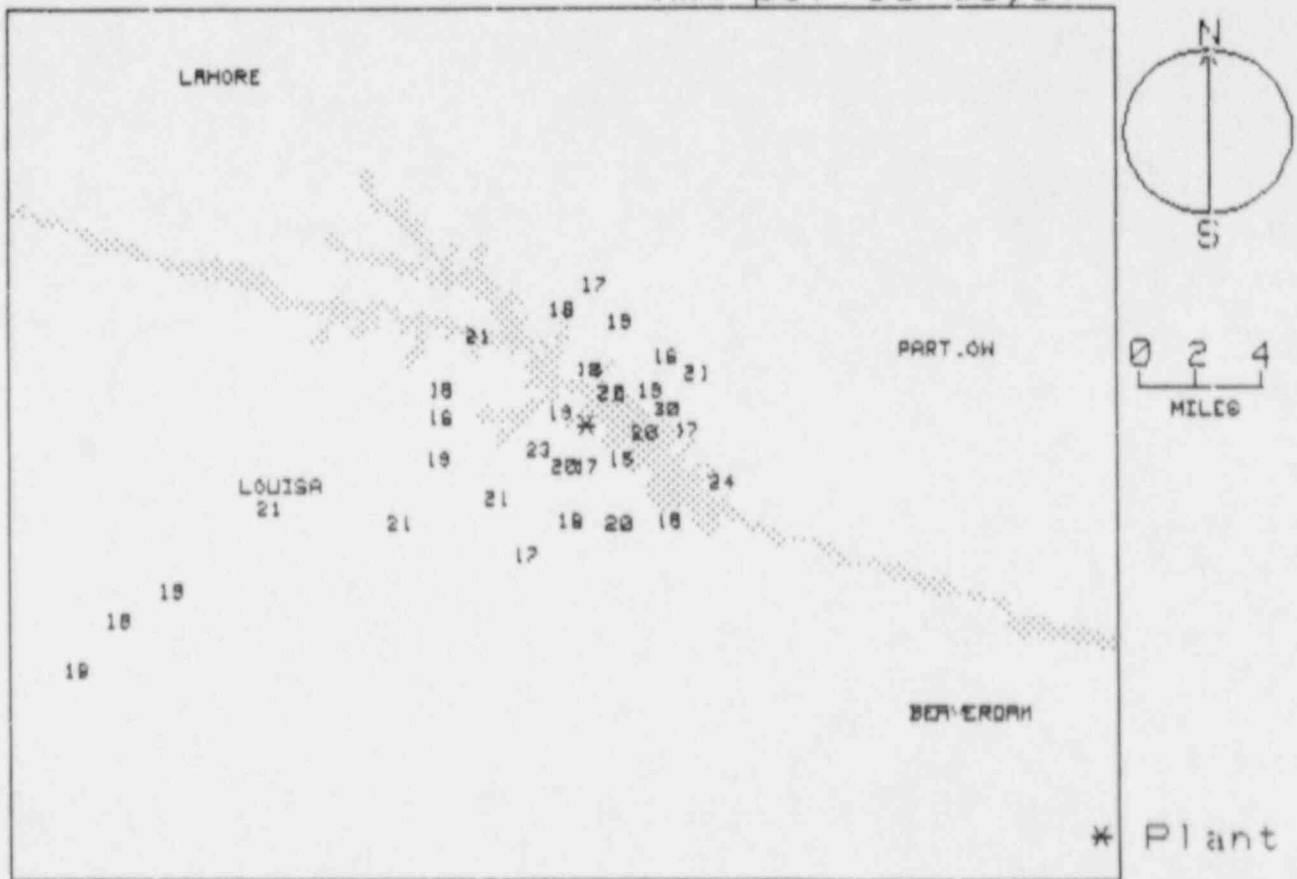
NORTH ANNA  
FOR THE PERIOD 880323-880726

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
348.75-11.25 (N)	17.8 $\pm$ 0.0	1
11.25-33.75 (NNE)	22.1 $\pm$ 3.9	2
33.75-56.25 (NE)	18.0 $\pm$ 2.1	2
56.25-78.75 (ENE)	23.0 $\pm$ 6.0	3
78.75-101.25 (E)	16.7 $\pm$ 0.0	1
101.25-123.75 (ESE)	20.8 $\pm$ 4.8	2
123.75-146.25 (SE)	16.4 $\pm$ 2.5	2
146.25-168.75 (SSE)	19.5 $\pm$ .0	2
168.75-191.25 (S)	17.7 $\pm$ 1.1	2
191.25-213.75 (SSW)	18.1 $\pm$ 2.0	2
213.75-236.25 (SW)	21.0 $\pm$ .3	2
236.25-258.75 (WSW)	20.9 $\pm$ 1.6	4
258.75-281.25 (W)	17.1 $\pm$ 2.0	2
281.25-303.75 (WNW)	18.4 $\pm$ .8	2
303.75-326.25 (NW)	22.1 $\pm$ 1.5	2
326.25-348.75 (NNW)	19.0 $\pm$ 1.1	2

DISTANCE(mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
0-2	19.8 $\pm$ 2.7	14
2-5	19.5 $\pm$ 3.5	16
>5	20.2 $\pm$ .8	3
UPWIND CONTROL DATA	18.4 $\pm$ .4	3

NRC TLD DOSES FOR NORTH ANNA AREA  
(mR per 90 days)



OCONEE

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

FOR THE PERIOD 880323-880719 119 DAYS

FIELD TIME 86 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE(mR)		NET EXPOSURE RATE mR/Std.Qtr.	
	AZIMUTH (deg.)	DIST (mi.)	+ - Rdm;Tot.		+ - Rdm;Tot.	
001	158	7.5	22.1 +- .7 ; 3.3		22.1 +- .7 ; 5.3	
002	133	4.9	26.1 +- .8 ; 3.9		26.2 +- .9 ; 5.8	
003	119	4.3	23.8 +- .7 ; 3.6		23.8 +- .8 ; 5.5	
004	84	4.7	25.7 +- .8 ; 3.9		25.8 +- .8 ; 5.7	
005	65	4.8	25.1 +- .8 ; 3.8		25.2 +- .8 ; 5.7	
006	52	1.8	25.2 +- .8 ; 3.8		25.3 +- .8 ; 5.7	
007	22	3.5	26.1 +- .8 ; 3.9		26.3 +- .9 ; 5.8	
008	33	1.4	26.0 +- .8 ; 3.9		26.1 +- .9 ; 5.8	
009	52	1.8	20.1 +- .5 ; 3.0		20.0 +- .7 ; 5.1	
010	66	1.2	16.0 +- .5 ; 2.4		15.6 +- .6 ; 4.8	
011	107	1.9	20.5 +- .6 ; 3.1		20.4 +- .7 ; 5.2	
012	87	1.0	22.7 +- .7 ; 3.4		22.6 +- .8 ; 5.4	
013	142	0.7	MISSING OR DAMAGED DOSIMETER			
014	166	0.7	19.7 +- .6 ; 2.9		19.5 +- .7 ; 5.1	
015	226	1.7	22.7 +- .7 ; 3.4		22.7 +- .8 ; 5.4	
016	207	1.4	21.9 +- .7 ; 3.3		21.8 +- .7 ; 5.3	
017	182	2.2	19.5 +- .6 ; 2.9		19.3 +- .7 ; 5.1	
018	186	3.8	MISSING OR DAMAGED DOSIMETER			
019	155	4.1	23.5 +- .7 ; 3.5		23.5 +- .8 ; 5.5	
020	203	8.4	19.2 +- .6 ; 2.9		19.0 +- .7 ; 5.1	
021	210	4.6	19.5 +- .6 ; 2.9		19.3 +- .7 ; 5.1	
022	227	4.8	22.3 +- .7 ; 3.3		22.3 +- .7 ; 5.4	
023	240	3.6	18.5 +- .6 ; 2.8		18.3 +- .6 ; 5.0	
024	268	3.6	24.4 +- .7 ; 3.7		24.5 +- .8 ; 5.6	
025	257	1.9	MISSING OR DAMAGED DOSIMETER			
026	293	3.6	22.6 +- .7 ; 3.4		22.5 +- .8 ; 5.4	
027	311	3.5	18.8 +- .6 ; 2.8		18.6 +- .6 ; 5.0	
028	288	2.0	MISSING OR DAMAGED DOSIMETER			
029	275	1.8	20.0 +- .6 ; 3.0		19.9 +- .7 ; 5.1	
030	321	1.8	22.4 +- .7 ; 3.4		22.4 +- .7 ; 5.4	
031	344	2.0	18.5 +- .6 ; 2.8		18.2 +- .6 ; 5.0	
032	336	3.7	25.5 +- .8 ; 3.8		25.6 +- .8 ; 5.7	
033	358	4.5	22.6 +- .7 ; 3.4		22.6 +- .8 ; 5.4	
034	256	9.4	27.0 +- .8 ; 4.1		27.2 +- .9 ; 5.9	
035	149	21.	23.2 +- .7 ; 3.5		23.2 +- .8 ; 5.5	
036	126	8.2	23.7 +- .7 ; 3.6		23.7 +- .8 ; 5.5	
037	96	9.7	24.1 +- .7 ; 3.6		24.1 +- .8 ; 5.5	
038	32	16.	30.8 +- .9 ; 4.6		31.2 +- 1.0 ; 6.3	
039	31	16.	27.0 +- .8 ; 4.0		27.1 +- .9 ; 5.9	
040	29	16.	27.7 +- .8 ; 4.1		27.9 +- .9 ; 5.9	
TRANSIT DOSE =			1.0 +- .2 ; 3.9			

OCONEE  
FOR THE PERIOD 880323-880719

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
348.75-11.25 (N)	22.6 $\pm$ 0.0	1
11.25-33.75 (NNE)	26.2 $\pm$ .1	2
33.75-56.25 (NE)	22.6 $\pm$ 3.7	2
56.25-78.75 (ENE)	20.4 $\pm$ 6.8	2
78.75-101.25 (E)	24.2 $\pm$ 1.6	3
101.25-123.75 (ESE)	22.1 $\pm$ 2.4	2
123.75-146.25 (SE)	25.0 $\pm$ 1.7	2
146.25-168.75 (SSE)	22.1 $\pm$ 1.8	4
168.75-191.25 (S)	19.3 $\pm$ 0.0	1
191.25-213.75 (SSW)	20.0 $\pm$ 1.5	3
213.75-236.25 (SW)	22.5 $\pm$ .3	2
236.25-258.75 (WSW)	22.7 $\pm$ 6.3	2
258.75-281.25 (W)	22.2 $\pm$ 3.3	2
281.25-303.75 (WNW)	22.5 $\pm$ 0.0	1
303.75-326.25 (NW)	20.5 $\pm$ 2.7	2
326.25-348.75 (NNW)	21.9 $\pm$ 5.2	2

DISTANCE (mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
0-2	21.2 $\pm$ 2.9	12
2-5	22.9 $\pm$ 2.0	15
>5	23.2 $\pm$ 2.7	6
UPWIND CONTROL DATA	20.7 $\pm$ 2.1	3



OYSTER CREEK  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 880324-880725 124 DAYS  
 FIELD TIME 100 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE(mR)		NET EXPOSURE RATE	
	AZIMUTH (deg.)	DIST (mi.)	+ - Rdm	Tot.	mR/Std.Qtr. + - Rdm	Tot.
001	141	.5	13.2 +- .4	2.0	11.0 +- .4	4.4
002	120	.9	13.4 +- .4	2.0	11.1 +- .4	4.4
003	105	1.5	14.3 +- .4	2.1	11.9 +- .5	4.5
004	127	1.5	13.1 +- .4	2.0	10.9 +- .4	4.4
005	137	1.3	13.6 +- .4	2.0	11.3 +- .4	4.4
006	158	1.2	12.6 +- .4	1.9	10.4 +- .4	4.4
007	176	2.2	14.2 +- .4	2.1	11.9 +- .5	4.5
008	179	1.6	13.8 +- .4	2.1	11.3 +- .4	4.4
009	159	2.8	11.7 +- .4	1.8	9.6 +- .4	4.3
010	187	8.4	14.0 +- .4	2.1	11.7 +- .5	4.4
011	173	4.4	12.5 +- .4	1.9	10.3 +- .4	4.4
012	196	4.2	14.5 +- .4	2.2	12.1 +- .5	4.5
013	198	8.6	12.7 +- .4	1.9	10.5 +- .4	4.4
014	185	10.	14.8 +- .4	2.2	12.4 +- .5	4.5
015	171	11.	9.2 +- .3	1.4	7.3 +- .4	4.2
016	154	8.2	13.8 +- .4	2.1	11.5 +- .4	4.4
017	126	6.3	13.5 +- .4	2.0	11.2 +- .4	4.4
018	220	4.6	12.9 +- .4	1.9	10.6 +- .4	4.4
019	231	5.3	13.1 +- .4	2.0	10.8 +- .4	4.4
020	211	1.6	12.1 +- .4	1.8	10.0 +- .4	4.3
022	258	1.5	14.2 +- .4	2.1	11.8 +- .5	4.4
023	271	1.2	13.3 +- .4	2.0	11.0 +- .4	4.4
024	297	1.3	14.8 +- .4	2.2	12.4 +- .5	4.5
025	318	1.5	12.9 +- .4	1.9	10.7 +- .4	4.4
026	341	3.2	14.8 +- .4	2.2	12.4 +- .5	4.5
027	330	4.6	13.9 +- .4	2.1	11.5 +- .4	4.4
028	358	3.2	12.4 +- .4	1.9	10.2 +- .4	4.4
029	4	1.8	13.7 +- .4	2.1	11.4 +- .4	4.4
030	19	.8	13.3 +- .4	2.0	11.1 +- .4	4.4
031	69	1.4	13.5 +- .4	2.0	11.2 +- .4	4.4
032	78	2.5	12.2 +- .4	1.8	10.1 +- .4	4.3
033	85	2.2	12.5 +- .4	1.9	10.3 +- .4	4.4
034	38	1.7	12.9 +- .4	1.9	10.6 +- .4	4.4
035	24	1.9	16.1 +- .5	2.4	13.5 +- .5	4.6
036	50	3	13.3 +- .4	2.0	11.1 +- .4	4.4
037	46	4.8	12.8 +- .4	1.9	10.6 +- .4	4.4
038	27	4	MISSING OR DAMAGED DOSIMETER			
039	12	8.9	13.4 +- .4	2.0	11.1 +- .4	4.4
040	10	8.7	12.3 +- .4	1.8	10.1 +- .4	4.3
041	3	9.9	MISSING OR DAMAGED DOSIMETER			
042	38	10.	14.2 +- .4	2.1	11.8 +- .5	4.4
043	46	9.1	15.9 +- .5	2.4	13.3 +- .5	4.6
044	73	6.5	12.9 +- .4	1.9	10.6 +- .4	4.4
045	79	6	14.3 +- .4	2.1	11.9 +- .5	4.5
046	278	20.	15.8 +- .4	2.2	12.5 +- .5	4.5
047	278	20.	14.6 +- .4	2.2	12.2 +- .5	4.5
TRANSIT DOSE = 1.0 +- .3 ; 4.5						



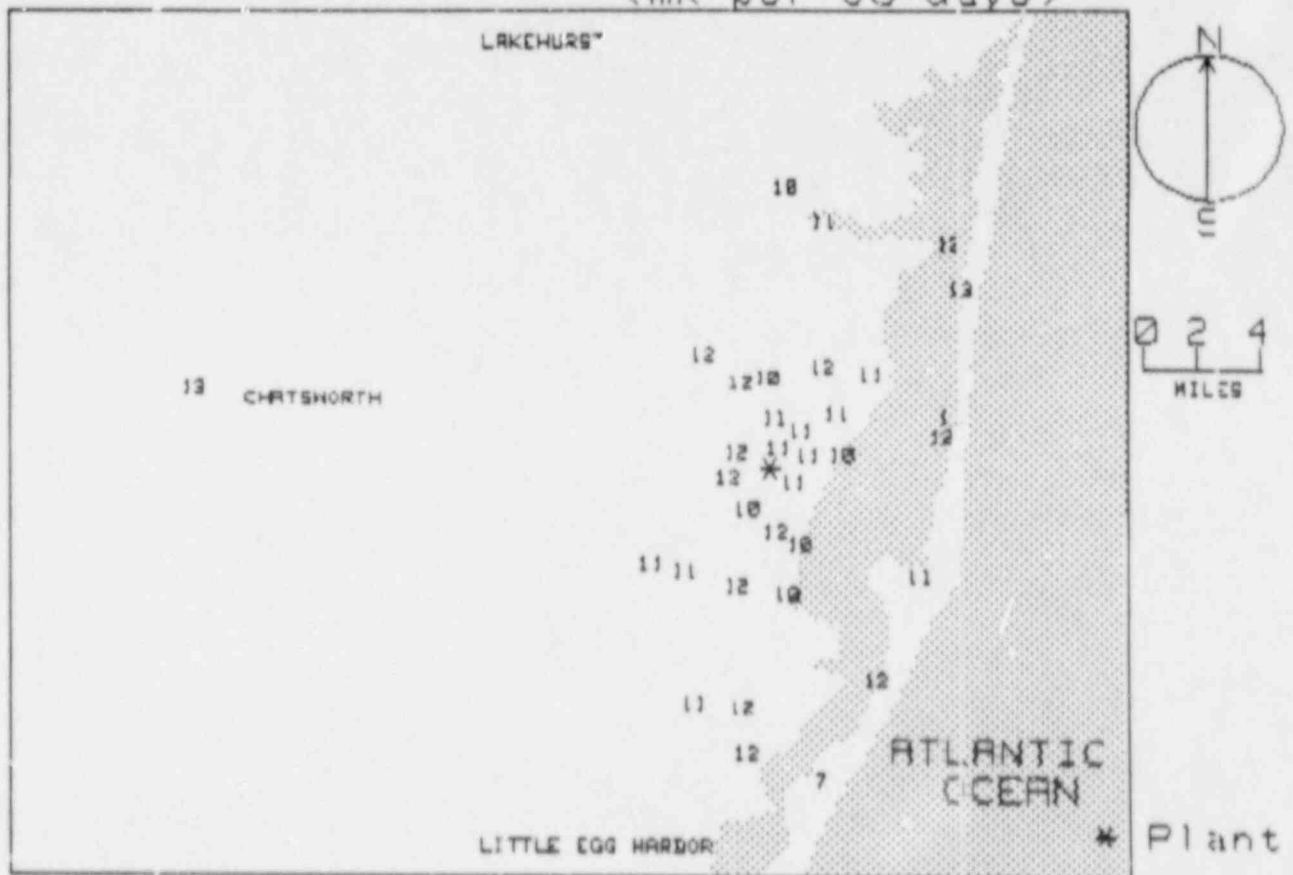
OYSTER CREEK  
FOR THE PERIOD 880324-880725

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
348.75-11.25 (N)	10.6 $\pm$ .7	3
11.25-33.75 (NNE)	11.8 $\pm$ 1.4	3
33.75-56.25 (NE)	11.5 $\pm$ 1.2	5
56.25-78.75 (ENE)	10.6 $\pm$ .6	3
78.75-101.25 (E)	11.1 $\pm$ 1.1	2
101.25-123.75 (ESE)	11.5 $\pm$ .6	2
123.75-146.25 (SE)	11.1 $\pm$ .2	4
146.25-168.75 (SSE)	10.5 $\pm$ 1.0	3
168.75-191.25 (S)	10.8 $\pm$ 1.9	6
191.25-213.75 (SSW)	10.9 $\pm$ 1.1	3
213.75-236.25 (SW)	10.7 $\pm$ .1	2
236.25-258.75 (WSW)	11.8 $\pm$ 0.0	1
258.75-281.25 (W)	11.0 $\pm$ 0.0	1
281.25-303.75 (WNW)	12.4 $\pm$ 0.0	1
303.75-326.25 (NW)	10.7 $\pm$ 0.0	1
326.25-348.75 (NNW)	12.0 $\pm$ .6	2

DISTANCE (mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
0-2	11.3 $\pm$ .8	17
2-5	10.9 $\pm$ .9	12
>5	11.1 $\pm$ 1.4	13
UPWIND CONTROL DATA	12.4 $\pm$ .3	2

NRC TLD DOSES FOR OYSTER CREEK AREA  
(mR per 90 days)



PALISADES  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 880321-880719 121 DHYS  
 FIELD TIME 91 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)			NET EXPOSURE RATE mR/Std.Qtr.		
	AZIMUTH (deg.)	DIST (mi.)	+- Rdm; Tot.			+- Rdm; Tot.		
001	195	4.9	18.0	+-	.5 ; 2.7	13.5	+-	.6 ; 5.8
002	173	4.6	17.6	+-	.5 ; 2.6	13.1	+-	.6 ; 5.7
003	156	3.9	18.9	+-	.6 ; 2.8	14.4	+-	.7 ; 5.8
004	132	4.6	18.3	+-	.5 ; 2.7	13.8	+-	.6 ; 5.8
005	118	3.3	18.8	+-	.6 ; 2.8	14.3	+-	.7 ; 5.8
006	152	1.8	17.8	+-	.5 ; 2.7	13.4	+-	.6 ; 5.8
007	196	2.2	17.1	+-	.5 ; 2.6	12.6	+-	.6 ; 5.7
008	178	1.6	16.7	+-	.5 ; 2.5	12.3	+-	.6 ; 5.7
009	200	0.9	18.3	+-	.5 ; 2.7	13.8	+-	.6 ; 5.8
010	124	1.8	21.1	+-	.6 ; 3.2	16.6	+-	.7 ; 6.0
011	107	1.6	18.9	+-	.6 ; 2.8	14.4	+-	.7 ; 5.8
012	90	1.5	17.0	+-	.5 ; 2.6	12.6	+-	.6 ; 5.7
013	65	1.7	19.5	+-	.6 ; 2.9	15.0	+-	.7 ; 5.9
014	51	1.9	17.8	+-	.5 ; 2.7	13.3	+-	.6 ; 5.7
015	74	3.7	15.1	+-	.5 ; 2.3	10.6	+-	.6 ; 5.6
016	90	3.6	MISSING OR DAMAGED DOSIMETER					
017	98/	10.	19.7	+-	.6 ; 2.9	15.2	+-	.7 ; 5.9
018	47	4.5	19.9	+-	.6 ; 3.0	15.4	+-	.7 ; 5.9
019	23	1.5	17.1	+-	.5 ; 2.6	12.6	+-	.6 ; 5.7
020	32	4.8	19.7	+-	.6 ; 3.0	15.2	+-	.7 ; 5.9
021	29	7.0	19.0	+-	.6 ; 2.8	14.5	+-	.7 ; 5.8
022	99/	15.	20.1	+-	.6 ; 3.0	15.6	+-	.7 ; 5.9
023	98/	18.	19.7	+-	.6 ; 3.0	15.2	+-	.7 ; 5.9
024	98/	18.	19.2	+-	.6 ; 2.9	14.7	+-	.7 ; 5.9
TRANSIT DOSE =			4.3	+-	.4 ; 5.2			

PALISADES  
FOR THE PERIOD 880321-880719

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
348.75-11.25 (N)	NO DATA+-NO DATA	0
11.25-33.75 (NNE)	14.1 $\pm$ 1.4	3
33.75-56.25 (NE)	14.3 $\pm$ 1.5	2
56.25-78.75 (ENE)	12.8 $\pm$ 3.1	2
78.75-101.25 (E)	13.8 $\pm$ 1.9	2
101.25-123.75 (ESE)	14.4 $\pm$ .1	2
123.75-146.25 (SE)	15.2 $\pm$ 2.0	2
146.25-168.75 (SSE)	13.8 $\pm$ .8	2
168.75-191.25 (S)	12.7 $\pm$ .5	2
191.25-213.75 (SSW)	13.3 $\pm$ .6	3
213.75-236.25 (SW)	NO DATA+-NO DATA	0
236.25-258.75 (WSW)	NO DATA+-NO DATA	0
258.75-281.25 (W)	NO DATA+-NO DATA	0
281.25-303.75 (WNW)	NO DATA+-NO DATA	0
303.75-326.25 (NW)	NO DATA+-NO DATA	0
326.25-348.75 (NNW)	NO DATA+-NO DATA	0

DISTANCE(mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
0-2	13.8 $\pm$ 1.4	9
2-5	13.7 $\pm$ 1.5	9
>5	14.8 $\pm$ .5	2
UPWIND CONTROL DATA	15.2 $\pm$ .4	3



PALO VERDE  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 880316-880719 126 DAYS  
 FIELD TIME 66 DAYS

NRC STATION	LOCATION		GROSS		NET EXPOSURE RATE	
	AZIMUTH (deg.)	DIST (mi.)	EXPOSURE (mR)	+/- Rdm; Tot.	mR/Std. Qtr.	+/- Rdm; Tot.
001	74	23.	24.8	+-.7 ; 3.7	19.3	+-.1.2 ; 10.5
002	92	21.	24.2	+-.7 ; 3.6	17.4	+-.1.2 ; 10.5
003	89	15.	24.9	+-.7 ; 3.7	18.4	+-.1.2 ; 10.5
004	103	11.	23.6	+-.7 ; 3.5	16.6	+-.1.2 ; 10.4
005	140	7.4	25.2	+-.8 ; 3.8	18.8	+-.1.2 ; 10.6
006	142	3.1	25.1	+-.8 ; 3.8	18.6	+-.1.2 ; 10.5
007	162	2.6	24.8	+-.7 ; 3.7	18.3	+-.1.2 ; 10.5
008	168	2.6	25.4	+-.8 ; 3.8	19.1	+-.1.2 ; 10.6
009	193	2.6	26.4	+-.8 ; 4.0	20.4	+-.1.3 ; 10.7
010	215	3.1	26.2	+-.8 ; 3.9	20.2	+-.1.3 ; 10.7
011	200	1.7	26.5	+-.8 ; 4.0	20.5	+-.1.3 ; 10.7
012	214	1.8	25.7	+-.8 ; 3.9	19.5	+-.1.3 ; 10.6
013	242	0.7	27.1	+-.8 ; 4.1	21.3	+-.1.3 ; 10.7
014	263	0.6	27.8	+-.8 ; 4.0	21.2	+-.1.3 ; 10.7
015	295	0.6	25.5	+-.8 ; 3.8	19.2	+-.1.3 ; 10.6
016	325	1.0	26.5	+-.8 ; 4.0	20.5	+-.1.3 ; 10.7
017	347	1.8	27.4	+-.8 ; 4.1	21.7	+-.1.3 ; 10.8
018	0	2.4	27.4	+-.8 ; 4.1	21.8	+-.1.3 ; 10.8
019	18	1.5	25.6	+-.8 ; 3.8	19.4	+-.1.3 ; 10.6
020	37	2.8	25.8	+-.8 ; 3.8	18.5	+-.1.2 ; 10.5
021	58	2.3	25.5	+-.8 ; 3.8	19.2	+-.1.3 ; 10.6
022	75	2.8	28.6	+-.9 ; 4.3	23.4	+-.1.4 ; 10.9
023	93	4.4	28.2	+-.8 ; 4.2	22.8	+-.1.3 ; 10.9
024	101	3.3	26.2	+-.8 ; 3.9	20.1	+-.1.3 ; 10.7
025	346	2.9	29.7	+-.9 ; 4.5	24.9	+-.1.4 ; 11.0
026	334	4.3	26.9	+-.8 ; 4.0	21.1	+-.1.3 ; 10.7
027	333	7.9	28.8	+-.9 ; 4.3	23.7	+-.1.4 ; 10.9
028	0	7.8	27.7	+-.8 ; 4.2	22.2	+-.1.3 ; 10.8
029	9	4.2	28.8	+-.8 ; 4.2	22.6	+-.1.3 ; 10.8
030	27	3.6	26.8	+-.8 ; 4.0	20.9	+-.1.3 ; 10.7
031	49	3.5	27.8	+-.8 ; 4.2	22.4	+-.1.3 ; 10.8
032	120	3.3	28.1	+-.8 ; 4.2	22.8	+-.1.3 ; 10.9
TRANSIT DOSE = 11.4 +- .5 ; 6.8						

PALO VERDE  
FOR THE PERIOD 880316-880719

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
348.75-11.25 (N)	22.2 $\pm$ .4	3
11.25-33.75 (NNE)	20.1 $\pm$ 1.1	2
33.75-56.25 (NE)	20.4 $\pm$ 2.7	2
56.25-78.75 (ENE)	21.3 $\pm$ 2.9	2
78.75-101.25 (E)	21.5 $\pm$ 1.0	2
101.25-123.75 (ESE)	19.7 $\pm$ 4.3	2
123.75-146.25 (SE)	18.7 $\pm$ .1	2
146.25-168.75 (SSE)	18.7 $\pm$ .6	2
168.75-191.25 (S)	NO DATA $\pm$ NO DATA	0
191.25-213.75 (SSW)	20.4 $\pm$ .1	2
213.75-236.25 (SW)	19.8 $\pm$ .5	2
236.25-258.75 (WSW)	21.3 $\pm$ 0.0	1
258.75-281.25 (W)	21.2 $\pm$ 0.0	1
281.25-303.75 (WNW)	19.2 $\pm$ 0.0	1
303.75-326.25 (NW)	20.5 $\pm$ 0.0	1
326.25-348.75 (NNW)	22.8 $\pm$ 1.0	4

DISTANCE (m) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
0-2	20.2 $\pm$ 1.1	9
2-5	21.2 $\pm$ 1.9	16
>5	20.3 $\pm$ 3.2	4
UPWIND CONTROL DATA	18.0 $\pm$ .6	3

MAP FOR PALO VERDE

Map will be provided for this site in the future.



PEACH BOTTOM  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 880324-880714 113 DAYS  
 FIELD TIME 85 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)			NET EXPOSURE RATE mR/Std. Qtr.		
	AZIMUTH (deg.)	DIST (mi.)	+ -	Rdm; Tot.		+ -	Rdm; Tot.	
001	329	10.	17.1	+ - .5	2.6	16.1	+ - .6	5.1
002	327	10.	16.9	+ - .5	2.5	15.9	+ - .6	5.1
003	21	5.0	19.0	+ - .6	2.0	18.1	+ - .7	5.3
004	4	5	16.3	+ - .5	2.4	15.3	+ - .6	5.1
005	345	4.4	18.0	+ - .5	2.7	17.1	+ - .6	5.2
006	5	2.2	18.9	+ - .6	2.0	18.0	+ - .7	5.3
007	25	2.5	18.0	+ - .6	2.0	17.0	+ - .7	5.3
008	55	2.0	19.4	+ - .6	2.9	18.5	+ - .7	5.3
009	42	2	18.7	+ - .6	2.0	17.0	+ - .7	5.3
010	60	1.7	18.9	+ - .6	2.0	18.0	+ - .7	5.3
011	95	2	20.5	+ - .6	0.1	19.7	+ - .7	5.4
012	104	2.3	15.2	+ - .5	2.3	14.0	+ - .6	5.0
013	72	5	17.6	+ - .5	2.6	15.6	+ - .6	5.2
014	84	4.6	18.9	+ - .6	2.0	18.0	+ - .7	5.3
015	110	4.7	19.5	+ - .6	2.9	18.7	+ - .7	5.3
016	130	4.7	19.7	+ - .4	2.0	12.5	+ - .5	4.9
017	157	0.0	15.5	+ - .5	2.3	14.4	+ - .6	5.0
018	163	4.6	17.0	+ - .5	2.7	16.0	+ - .6	5.2
019	184	0.9	18.9	+ - .6	2.0	18.0	+ - .7	5.3
020	202	4.0	19.0	+ - .6	2.0	18.1	+ - .7	5.3
021	197	2.3	20.3	+ - .6	0.0	19.5	+ - .7	5.4
022	183	1.7	18.9	+ - .6	2.0	18.0	+ - .7	5.3
023	157	1.0	22.0	+ - .7	0.3	21.3	+ - .8	5.6
024	221	1.0	21.1	+ - .6	0.2	20.0	+ - .7	5.5
025	249	1.7	19.5	+ - .6	2.9	19.7	+ - .7	5.3
026	270	1.0	20.2	+ - .6	0.0	19.4	+ - .7	5.4
027	287	1.9	18.2	+ - .5	2.7	17.2	+ - .6	5.2
028	323	1.0	16.3	+ - .5	2.4	15.0	+ - .6	5.1
029	286	0.6	21.5	+ - .6	0.2	20.7	+ - .7	5.5
030	262	4	21.6	+ - .6	0.2	20.0	+ - .7	5.5
031	261	9.9	20.0	+ - .6	0.1	20.0	+ - .7	5.5
032	240	0.2	18.2	+ - .5	2.7	17.2	+ - .6	5.2
033	235	0.7	14.1	+ - .4	2.1	12.0	+ - .5	4.9
034	319	4.9	19.0	+ - .6	0.0	18.0	+ - .7	5.4
035	151	.7	19.0	+ - .6	2.9	16.1	+ - .7	5.3
036	147	17.	14.1	+ - .4	2.1	12.0	+ - .5	4.9
037	147	17.	15.5	+ - .5	2.3	14.4	+ - .6	5.0
038	147	17.	15.1	+ - .5	2.3	13.0	+ - .6	5.0

TRANSIT DOSE = 1.9 + - .3 ; 4.1

PEACH BOTTOM  
FOR THE PERIOD 880324-880714

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	# IN GROUP
348.75-11.25 (N)	16.6 $\pm$ 1.9	2
11.25-33.75 (NNE)	17.3 $\pm$ 1.2	3
33.75-56.25 (NE)	18.2 $\pm$ .8	2
56.25-78.75 (ENE)	17.3 $\pm$ 1.0	2
78.75-101.25 (E)	18.8 $\pm$ 1.2	2
101.25-123.75 (ESE)	16.4 $\pm$ 3.3	2
123.75-146.25 (SE)	12.5 $\pm$ 0.0	1
146.25-168.75 (SSE)	17.6 $\pm$ 2.9	4
168.75-191.25 (S)	18.0 $\pm$ 0.0	2
191.25-213.75 (SSW)	18.8 $\pm$ 1.0	2
213.75-236.25 (SW)	16.6 $\pm$ 5.2	2
236.25-258.75 (WSW)	17.9 $\pm$ 1.0	2
258.75-281.25 (W)	20.1 $\pm$ .7	3
281.25-303.75 (WNW)	19.0 $\pm$ 2.5	2
303.75-326.25 (NW)	17.1 $\pm$ 2.6	2
326.25-348.75 (NNW)	16.6 $\pm$ .7	2

DISTANCE (mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	# IN GROUP
0-2	18.5 $\pm$ 1.6	11
2-5	17.4 $\pm$ 2.2	20
>5	16.6 $\pm$ 2.4	4
UPWIND CONTROL DATA	13.7 $\pm$ .7	3

MAP FOR PEACH BOTTOM

Map will be provided for this site in the future.

PERRY

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

FOR THE PERIOD 880321-880718 120 DAYS

FIELD TIME 92 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE(mR)			NET EXPOSURE RATE mR/Std.Qtr.		
	AZIMUTH (deg.)	DIST (mi.)	+- Rdm;Tot.			+- Rdm;Tot.		
001	72	5.0	18.4	+-	.6 ; 2.8	15.7	+-	.6 ; 5.2
003	88	5.5	18.3	+-	.5 ; 2.7	15.6	+-	.6 ; 5.2
004	112	6.0	18.4	+-	.6 ; 2.8	15.7	+-	.6 ; 5.2
005	130	4.0	20.0	+-	.6 ; 3.0	17.3	+-	.7 ; 5.3
006	155	5.0	23.3	+-	.7 ; 3.5	20.5	+-	.7 ; 5.6
007	178	5.2	20.1	+-	.6 ; 3.0	17.4	+-	.7 ; 5.3
008	205	4.6	23.0	+-	.7 ; 3.4	20.2	+-	.7 ; 5.6
009	220	5.2	17.7	+-	.5 ; 2.6	15.0	+-	.6 ; 5.1
010	225	7.4	MISSING OR DAMAGED DOSIMETER					
011	240	5.8	20.2	+-	.6 ; 3.0	17.5	+-	.7 ; 5.3
012	225	19.	20.0	+-	.6 ; 3.0	17.3	+-	.7 ; 5.3
013	225	19.	18.0	+-	.5 ; 2.7	15.3	+-	.6 ; 5.2
014	212	12.	26.7	+-	.8 ; 4.0	23.0	+-	.8 ; 5.9
015	240	1.4	18.5	+-	.6 ; 2.8	15.8	+-	.6 ; 5.2
016	225	0.8	20.9	+-	.6 ; 3.1	18.1	+-	.7 ; 5.4
017	205	0.7	16.0	+-	.5 ; 2.4	13.3	+-	.6 ; 5.0
018	180	0.8	17.9	+-	.5 ; 2.7	15.2	+-	.6 ; 5.2
019	152	1.8	19.2	+-	.6 ; 2.9	16.5	+-	.6 ; 5.3
020	123	1.6	17.3	+-	.5 ; 2.6	14.6	+-	.6 ; 5.1
021	105	1.4	16.3	+-	.5 ; 2.4	13.6	+-	.6 ; 5.0
022	85	1.2	21.3	+-	.6 ; 3.2	18.6	+-	.7 ; 5.4
023	65	1.4	MISSING OR DAMAGED DOSIMETER					
024	40	0.6	17.0	+-	.5 ; 2.6	14.4	+-	.6 ; 5.1
025	40	0.6	21.8	+-	.7 ; 3.3	19.0	+-	.7 ; 5.5
026	182	2.8	21.0	+-	.6 ; 3.1	18.2	+-	.7 ; 5.4
027	175	2.8	MISSING OR DAMAGED DOSIMETER					
TRANSIT DOSE =			2.3	+-	.3 ; 4.5			

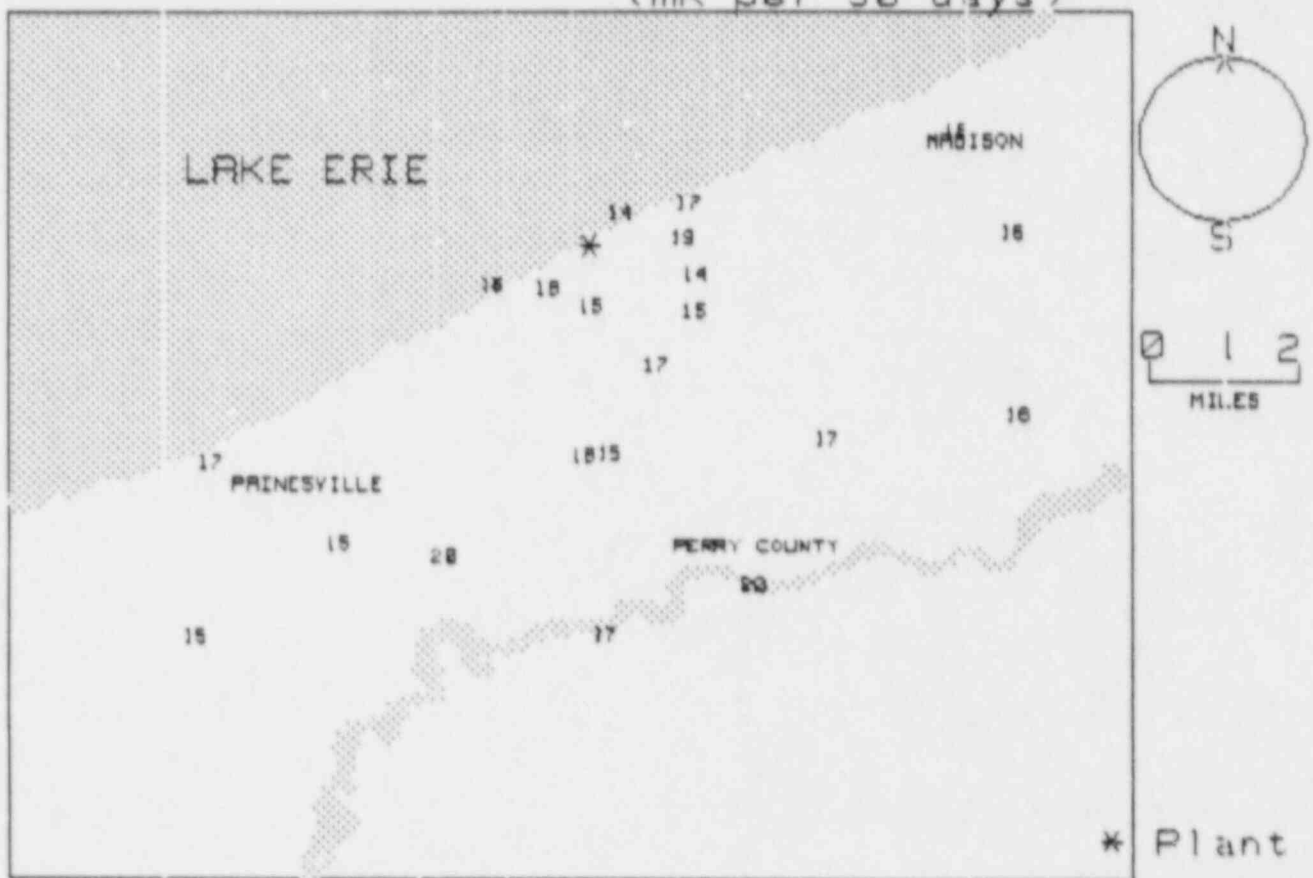
PERRY  
FOR THE PERIOD 880321-880718

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
348.75-11.25 (N)	NO DATA+-NO DATA	0
11.25-33.75 (NNE)	NO DATA+-NO DATA	0
33.75-56.25 (NE)	16.7 $\pm$ 3.3	2
56.25-78.75 (ENE)	15.7 $\pm$ 0.0	1
78.75-101.25 (E)	17.1 $\pm$ 2.1	2
101.25-123.75 (ESE)	14.8 $\pm$ 1.0	3
123.75-146.25 (SE)	17.3 $\pm$ 0.0	1
146.25-168.75 (SSE)	18.5 $\pm$ 2.0	2
168.75-191.25 (S)	16.8 $\pm$ 1.6	3
191.25-213.75 (SSW)	16.8 $\pm$ 4.0	2
213.75-236.25 (SW)	16.6 $\pm$ 2.2	2
236.25-258.75 (WSW)	16.7 $\pm$ 1.2	2
258.75-281.25 (W)	NO DATA+-NO DATA	0
281.25-303.75 (WNW)	NO DATA+-NO DATA	0
303.75-326.25 (NW)	NO DATA+-NO DATA	0
326.25-348.75 (NNW)	NO DATA+-NO DATA	0

DISTANCE (m.) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
0-2	15.9 $\pm$ 2.1	10
2-5	18.4 $\pm$ 2.0	5
>5	16.2 $\pm$ 1.1	5
UPWIND CONTROL DATA	18.8 $\pm$ 4.4	3

NRC TLD DOSES FOR PERRY AREA  
(mR per 90 days)



PILGRIM  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 880324-880715 114 DAYS  
 FIELD TIME 87 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)		NET EXPOSURE RATE mR/Std.Qtr.	
	AZIMUTH (deg.)	DIST (mi.)	+ Rdm	Tot.	+ Rdm	Tot.
001	288	.1	21.1	+.6 ; 3.2	14.1	+.8 ; 7.1
002	310	.2	18.9	+.6 ; 2.8	11.9	+.7 ; 7.0
005	289	.7	21.0	+.6 ; 3.1	14.0	+.8 ; 7.1
006	261	1.7	19.4	+.6 ; 2.9	12.4	+.8 ; 7.0
007	270	.5	23.3	+.7 ; 3.5	16.4	+.9 ; 7.3
008	247	.3	22.9	+.7 ; 3.4	16.0	+.8 ; 7.2
009	224	.2	19.7	+.5 ; 3.0	12.7	+.8 ; 7.0
010	205	.3	20.0	+.6 ; 2.8	11.9	+.7 ; 7.0
011	184	0.3	20.9	+.6 ; 3.1	13.9	+.8 ; 7.1
012	159	.4	20.8	+.6 ; 3.1	13.8	+.8 ; 7.1
013	146	.7	19.0	+.6 ; 2.8	11.9	+.7 ; 7.0
014	155	1	21.0	+.6 ; 3.1	14.0	+.8 ; 7.1
016	136	1.3	19.9	+.6 ; 3.0	12.9	+.8 ; 7.0
018	212	.8	19.1	+.6 ; 2.9	12.0	+.7 ; 7.0
019	232	1	19.3	+.6 ; 2.9	12.3	+.8 ; 7.0
021	256	1.6	18.2	+.5 ; 2.7	11.1	+.7 ; 6.9
022	130	2.5	18.1	+.5 ; 2.7	11.0	+.7 ; 6.9
023	146	3.4	20.3	+.6 ; 3.0	13.3	+.8 ; 7.1
025	168	1.5	20.4	+.6 ; 3.1	13.4	+.8 ; 7.1
026	180	1.3	17.9	+.5 ; 2.7	10.8	+.7 ; 6.9
027	231	1.8	18.0	+.5 ; 2.7	10.9	+.7 ; 6.9
030	153	2.2	22.3	+.7 ; 3.3	15.4	+.8 ; 7.2
031	179	2.5	21.0	+.6 ; 3.2	14.0	+.8 ; 7.1
032	217	2.6	MISSING OR DAMAGED DOSIMETER			
033	234	2.5	MISSING OR DAMAGED DOSIMETER			
037	264	4.2	20.7	+.6 ; 3.1	13.7	+.8 ; 7.1
038	152	3.5	MISSING OR DAMAGED DOSIMETER			
039	155	5.3	18.6	+.6 ; 2.8	11.5	+.7 ; 6.9
040	272	4.6	21.2	+.6 ; 3.2	14.3	+.8 ; 7.1
042	281	4.6	18.7	+.6 ; 2.8	11.6	+.7 ; 6.9
043	291	5.8	21.6	+.6 ; 3.2	14.7	+.8 ; 7.2
045	197	006	18.8	+.6 ; 2.8	11.8	+.7 ; 7.0
047	301	26.	20.1	+.6 ; 3.0	13.1	+.8 ; 7.0
048	301	26.	23.3	+.7 ; 3.5	16.4	+.9 ; 7.3
049	301	26.	20.0	+.6 ; 3.0	13.0	+.8 ; 7.0
TRANSIT DOSE =			7.4	+.4 ; 6.1		

## COMMENTS:

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

PILGRIM  
FOR THE PERIOD 380324-880715

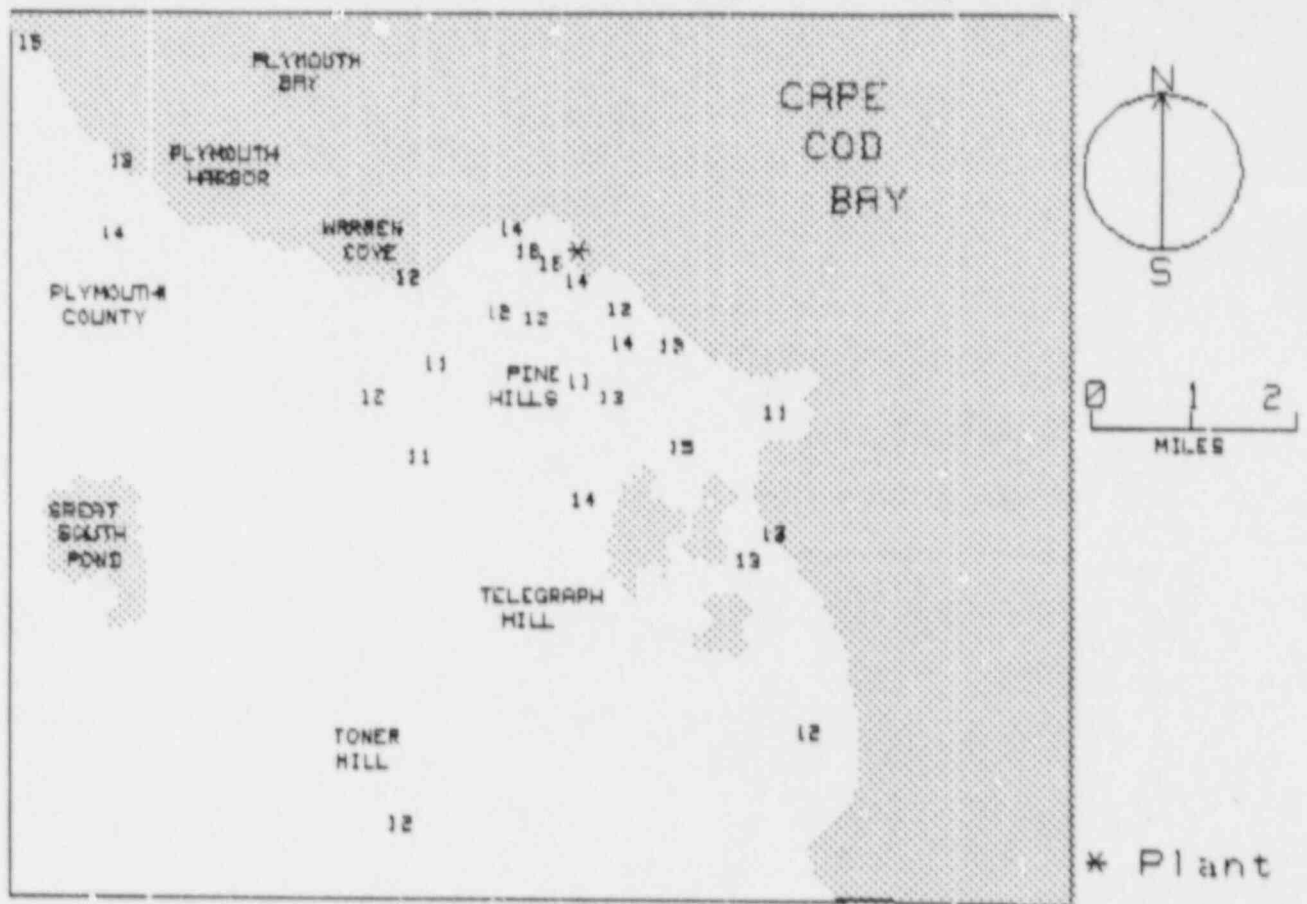
## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
348.75-11.25 (N)	NO DATA--NO DATA	0
11.25-33.75 (NNE)	NO DATA--NO DATA	0
33.75-56.25 (NE)	NO DATA--NO DATA	0
56.25-78.75 (ENE)	NO DATA--NO DATA	0
78.75-101.25 (E)	NO DATA--NO DATA	0
101.25-123.75 (ESE)	NO DATA--NO DATA	0
123.75-146.25 (SE)	12.3 $\pm$ 1.0	4
146.25-168.75 (SSE)	13.6 $\pm$ 1.4	5
168.75-191.25 (S)	12.9 $\pm$ 1.6	3
191.25-213.75 (SSW)	11.9 $\pm$ .1	3
213.75-236.25 (SW)	12.0 $\pm$ .9	3
236.25-258.75 (WSW)	13.8 $\pm$ 3.4	2
258.75-281.25 (W)	13.7 $\pm$ 1.9	5
281.25-303.75 (WNW)	14.3 $\pm$ .4	3
303.75-326.25 (NW)	11.9 $\pm$ 0.0	1
326.25-348.75 (NNW)	NO DATA--NO DATA	0

DISTANCE (mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
0-2	13.0 $\pm$ 1.6	19
2-5	13.3 $\pm$ 1.5	7
>5	12.6 $\pm$ 1.6	3
UPWIND CONTROL DATA	14.1 $\pm$ 1.9	3



NRC TLD DOSES FOR PILGRIM AREA  
(mR per 90 days)



PRAIRIE ISLAND  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 880321-880718 120 DAYS  
 FIELD TIME 87 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE(mR)		NET EXPOSURE RATE mR/Std.Qtr.	
	AZIMUTH (deg.)	DIST (mi.)	+ -	Rdm;Tot.	+ -	Rdm;Tot.
001	312	17.	21.0	+ - .6 ; 3.1	18.7	+ - .7 ; 5.7
002	310	15.	19.7	+ - .6 ; 3.0	17.4	+ - .7 ; 5.6
003	310	15.	21.0	+ - .6 ; 3.1	18.7	+ - .7 ; 5.7
004	308	5.5	21.5	+ - .6 ; 3.2	19.3	+ - .7 ; 5.7
005	297	4.1	20.0	+ - .6 ; 3.0	17.8	+ - .7 ; 5.6
006	287	1.3	19.6	+ - .6 ; 2.9	17.3	+ - .7 ; 5.6
007	313	0.8	18.5	+ - .6 ; 2.8	16.2	+ - .7 ; 5.5
008	244	0.5	20.8	+ - .6 ; 3.1	18.5	+ - .7 ; 5.7
009	194	0.6	19.5	+ - .6 ; 2.9	17.2	+ - .7 ; 5.6
010	155	0.5	20.6	+ - .6 ; 3.1	18.3	+ - .7 ; 5.7
011	129	1.6	20.0	+ - .6 ; 3.0	17.7	+ - .7 ; 5.6
012	153	1.4	19.7	+ - .6 ; 2.9	17.4	+ - .7 ; 5.6
013	217	0.6	20.5	+ - .6 ; 3.1	18.2	+ - .7 ; 5.6
014	178	0.8	19.7	+ - .6 ; 3.0	17.4	+ - .7 ; 5.6
015	272	1.9	19.7	+ - .6 ; 3.0	17.4	+ - .7 ; 5.6
016	262	4.6	22.0	+ - .7 ; 3.3	19.8	+ - .8 ; 5.8
017	250	4.3	20.3	+ - .6 ; 3.0	18.1	+ - .7 ; 5.6
018	225	4.1	22.5	+ - .7 ; 3.4	20.3	+ - .8 ; 5.8
019	233	6.7	19.4	+ - .6 ; 2.9	17.1	+ - .7 ; 5.6
020	200	4.9	21.9	+ - .7 ; 3.3	19.7	+ - .7 ; 5.8
021	187	4.7	23.8	+ - .7 ; 3.6	21.6	+ - .8 ; 5.9
022	160	4.4	21.6	+ - .6 ; 3.2	19.4	+ - .7 ; 5.7
023	140	4.7	22.1	+ - .7 ; 3.3	19.9	+ - .8 ; 5.8
024	131	6.6	20.3	+ - .6 ; 3.0	18.0	+ - .7 ; 5.6
025	117	4.9	20.1	+ - .6 ; 3.0	17.9	+ - .7 ; 5.6
026	88	1.9	20.6	+ - .6 ; 3.1	18.3	+ - .7 ; 5.7
027	69	1.8	20.9	+ - .6 ; 3.1	18.7	+ - .7 ; 5.7
028	47	1.6	21.2	+ - .6 ; 3.2	18.9	+ - .7 ; 5.7
029	19	1.5	20.3	+ - .6 ; 3.0	18.0	+ - .7 ; 5.6
030	356	1.9	19.8	+ - .6 ; 3.0	17.5	+ - .7 ; 5.6
031	346	2.4	22.0	+ - .7 ; 3.3	19.8	+ - .7 ; 5.8
032	340	3.8	23.2	+ - .7 ; 3.5	21.1	+ - .8 ; 5.9
033	8	4.6	23.4	+ - .7 ; 3.5	21.3	+ - .8 ; 5.9
034	17	4.7	22.6	+ - .7 ; 3.4	20.4	+ - .8 ; 5.8
035	45	11.	21.2	+ - .6 ; 3.2	18.9	+ - .7 ; 5.7
036	48	4.7	21.6	+ - .6 ; 3.2	19.4	+ - .7 ; 5.7
037	61	4.2	23.5	+ - .7 ; 3.5	21.4	+ - .8 ; 5.9
038	86	4.9	23.5	+ - .7 ; 3.5	21.4	+ - .8 ; 5.9
039	107	9.1	20.2	+ - .6 ; 3.0	18.0	+ - .7 ; 5.6
040	111	3.7	20.4	+ - .6 ; 3.1	18.2	+ - .7 ; 5.6

TRANSIT DOSE = 2.8 + - .3 ; 4.5

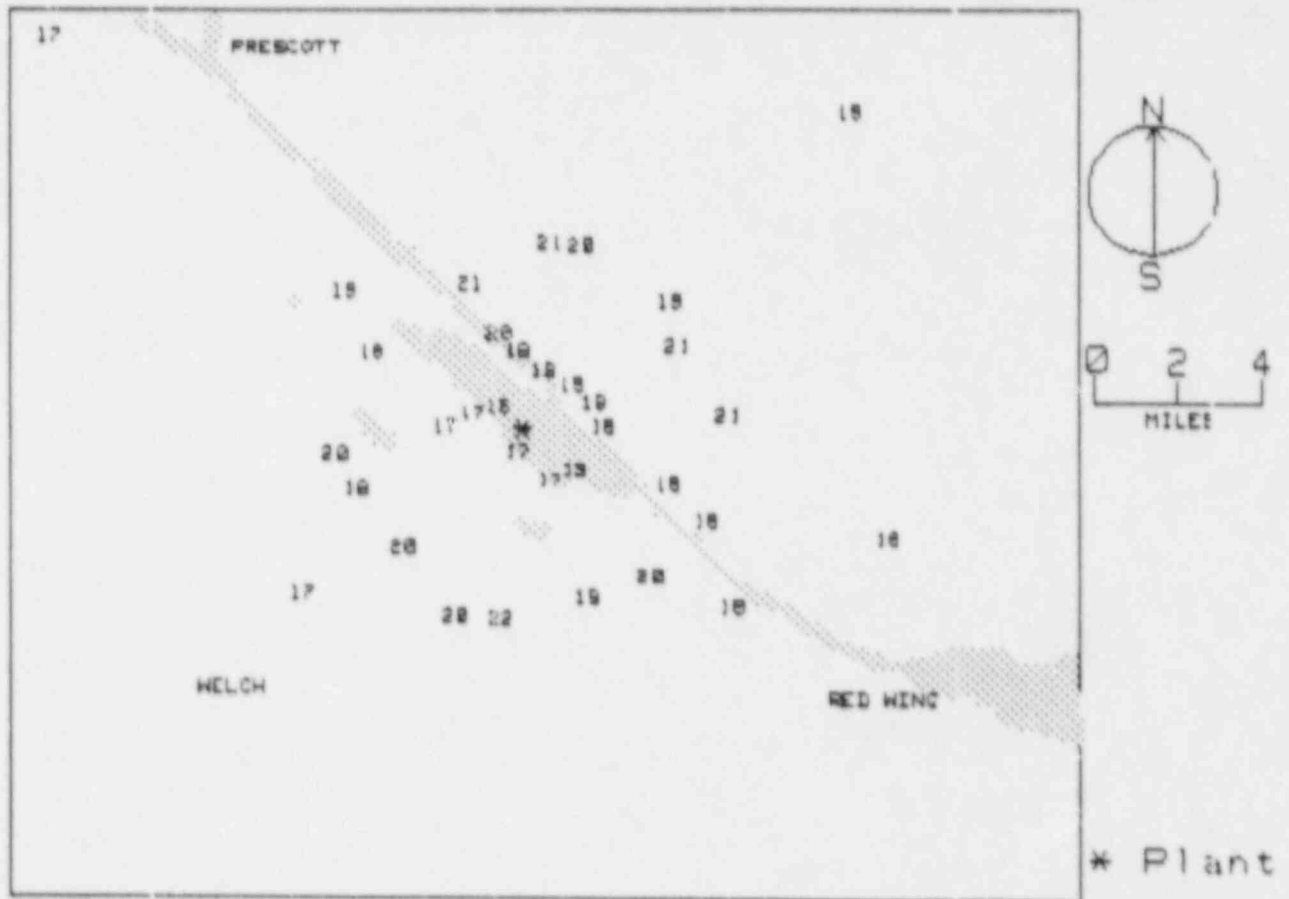
PRAIRIE ISLAND  
FOR THE PERIOD 880321-880718

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	# IN GROUP
348.75-11.25 (N)	19.4 $\pm$ 2.6	2
11.25-33.75 (NNE)	19.2 $\pm$ 1.7	2
33.75-56.25 (NE)	19.1 $\pm$ .2	2
56.25-78.75 (ENE)	20.0 $\pm$ 1.9	2
78.75-101.25 (E)	19.8 $\pm$ 2.2	2
101.25-123.75 (ESE)	18.0 $\pm$ .2	2
123.75-146.25 (SE)	18.5 $\pm$ 1.2	2
146.25-168.75 (SSE)	18.4 $\pm$ 1.0	3
168.75-191.25 (S)	19.5 $\pm$ 3.0	2
191.25-213.75 (SSW)	18.5 $\pm$ 1.8	2
213.75-236.25 (SW)	18.5 $\pm$ 1.6	2
236.25-258.75 (WSW)	18.3 $\pm$ .3	2
258.75-281.25 (W)	18.8 $\pm$ 1.7	2
281.25-303.75 (WNW)	17.5 $\pm$ .3	2
303.75-326.25 (NW)	17.7 $\pm$ 2.2	2
326.25-348.75 (NNW)	20.4 $\pm$ .8	2

DISTANCE(mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	# IN GROUP
0-2	17.8 $\pm$ .7	15
2-5	19.8 $\pm$ 1.3	17
>5	18.3 $\pm$ .8	5
UPWIND CONTROL DATA	18.3 $\pm$ .7	3

NRC "LD DOSES FOR PRAIRIE ISLAND AREA  
(mR per 90 days)



## QUAD CITIES

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

FOR THE PERIOD 880315-880718 126 DAYS

FIELD TIME 87 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)		NET EXPOSURE RATE	
	AZIMUTH (deg.)	DIST (mi.)	+ - Rdm; Tot.		mR/Std. Qtr.	+ - Rdm; Tot.
001	7	0.7	MISSING OR DAMAGED DOSIMETER			
002	17	1.2	21.6 +- .6	; 3.2	19.0 +- .7	; 5.8
003	45	1.7	17.8 +- .5	; 2.7	15.1 +- .6	; 5.5
004	65	1.1	18.1 +- .5	; 2.7	15.4 +- .6	; 5.5
005	90	0.8	18.5 +- .6	; 2.8	15.8 +- .7	; 5.6
006	136	1.1	19.4 +- .6	; 2.9	16.7 +- .7	; 5.6
007	175	1.8	19.6 +- .6	; 2.9	16.9 +- .7	; 5.7
008	157	2.0	19.7 +- .6	; 3.0	17.1 +- .7	; 5.7
009	186	3.1	18.1 +- .5	; 2.7	15.4 +- .6	; 5.5
010	188	7.7	MISSING OR DAMAGED DOSIMETER			
011	156	4.2	19.5 +- .6	; 2.9	16.9 +- .7	; 5.7
012	142	4.8	20.1 +- .6	; 3.0	17.5 +- .7	; 5.7
013	121	3.3	19.5 +- .6	; 2.9	16.9 +- .7	; 5.7
014	114	2.8	17.2 +- .5	; 2.6	14.5 +- .6	; 5.5
015	85	2.8	19.7 +- .6	; 2.9	17.0 +- .7	; 5.7
016	62	4.4	22.6 +- .7	; 3.4	20.0 +- .8	; 5.9
017	48	6.1	19.2 +- .6	; 2.9	16.5 +- .7	; 5.6
018	39	8.8	18.4 +- .6	; 2.8	15.8 +- .7	; 5.6
019	36	4.7	17.8 +- .5	; 2.6	14.3 +- .6	; 5.5
020	16	4.3	20.7 +- .6	; 3.1	18.1 +- .7	; 5.8
021	358	4.2	24.1 +- .7	; 3.6	21.6 +- .8	; 6.1
022	336	4.1	22.1 +- .7	; 3.3	19.5 +- .8	; 5.9
023	337	5.7	20.6 +- .6	; 3.1	18.8 +- .7	; 5.8
024	317	4.4	21.9 +- .7	; 3.3	19.4 +- .8	; 5.9
025	295	4.1	19.4 +- .6	; 2.9	16.8 +- .7	; 5.7
026	282	6.9	16.4 +- .5	; 2.5	13.7 +- .6	; 5.4
027	265	4.3	MISSING OR DAMAGED DOSIMETER			
028	253	4.8	19.2 +- .6	; 2.9	16.5 +- .7	; 5.6
029	356	2.8	20.7 +- .6	; 3.1	18.1 +- .7	; 5.8
030	335	1.9	19.1 +- .6	; 2.9	16.4 +- .7	; 5.6
031	317	2.6	19.3 +- .6	; 2.8	16.6 +- .7	; 5.6
032	295	2.5	17.8 +- .5	; 2.7	15.1 +- .6	; 5.5
033	266	2.8	21.2 +- .6	; 3.2	18.6 +- .7	; 5.8
034	248	2.2	19.4 +- .6	; 2.9	16.7 +- .7	; 5.6
035	229	2.6	18.6 +- .6	; 2.8	15.9 +- .7	; 5.6
036	204	3.4	17.9 +- .5	; 2.7	15.2 +- .6	; 5.5
037	194	8.3	18.1 +- .5	; 2.7	15.4 +- .6	; 5.5
038	224	4.6	20.8 +- .6	; 3.1	18.2 +- .7	; 5.8
039	381	15.	18.4 +- .6	; 2.8	15.8 +- .7	; 5.6
040	381	15.	17.4 +- .5	; 2.6	14.7 +- .6	; 5.5
041	381	15.	16.9 +- .5	; 2.5	14.1 +- .6	; 5.5
TRANSIT DOSE =			3.2 +- .3	; 4.6		

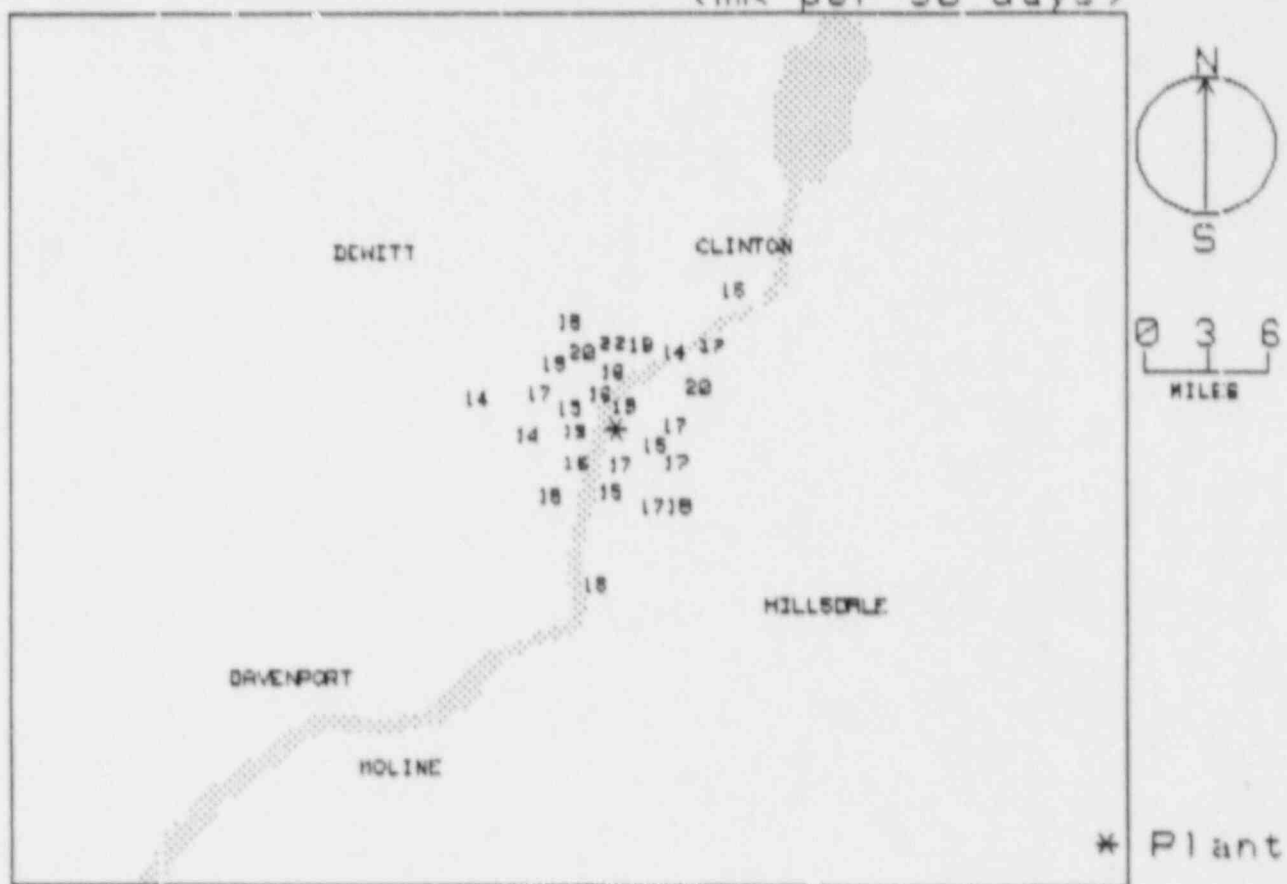
QUAD CITIES  
FOR THE PERIOD 880315-880718

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	# IN GROUP
348.75-11.25 (N)	19.8 $\pm$ 2.5	2
11.25-33.75 (NNE)	18.5 $\pm$ .7	2
33.75-56.25 (NE)	15.4 $\pm$ .8	4
56.25-78.75 (ENE)	17.7 $\pm$ 3.3	2
78.75-101.25 (E)	16.4 $\pm$ .8	2
101.25-123.75 (ESE)	15.7 $\pm$ 1.7	2
123.75-146.25 (SE)	17.1 $\pm$ .5	2
146.25-168.75 (SSE)	17.0 $\pm$ .1	2
168.75-191.25 (S)	16.2 $\pm$ 1.1	2
191.25-213.75 (SSW)	15.3 $\pm$ .1	2
213.75-236.25 (SW)	17.0 $\pm$ 1.6	2
236.25-258.75 (WSW)	16.6 $\pm$ .1	2
258.75-281.25 (W)	18.6 $\pm$ 0.0	1
281.25-303.75 (WNW)	15.2 $\pm$ 1.6	2
303.75-326.25 (NW)	18.0 $\pm$ 1.9	2
326.25-348.75 (NNW)	18.0 $\pm$ 1.6	2

DISTANCE(mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	# IN GROUP
0-2	16.8 $\pm$ 1.5	10
2-5	17.3 $\pm$ 1.6	20
>5	15.8 $\pm$ 1.6	5
UPWIND CONTROL DATA	14.8 $\pm$ .8	3

NRC TLD DOSES FOR QUAD-CITIES AREA  
(mR per 90 days)



RANCHO SECO  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 880316-880719 126 DAYS  
 FIELD TIME 81 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE(mR)			NET EXPOSURE RATE		
	AZIMUTH (deg.)	DIST (mi.)	+- Rdm;Tot.			mR/Std.Qtr. +- Rdm;Tot.		
001	288	16.	MISSING OR DAMAGED DOSIMETER					
002	239	12.	23.0 +- .7	;	3.4	18.5 +- .9	;	7.2
003	213	16.	22.1 +- .7	;	3.3	17.5 +- .9	;	7.1
004	149	9.9	19.4 +- .6	;	2.9	14.5 +- .8	;	6.9
005	188	8.2	26.3 +- .8	;	3.9	22.2 +- 1.0	;	7.5
006	86	10.	16.8 +- .5	;	2.5	11.6 +- .7	;	6.7
007	83	9.7	18.3 +- .5	;	2.7	13.3 +- .7	;	6.8
008	37	7.1	18.8 +- .5	;	2.7	13.8 +- .7	;	6.8
009	65	8.8	18.3 +- .5	;	2.7	13.3 +- .7	;	6.8
010	43	8.7	19.6 +- .6	;	2.9	14.8 +- .8	;	6.9
011	92	8.2	17.9 +- .5	;	2.7	12.8 +- .7	;	6.8
012	131	1.6	17.8 +- .5	;	2.7	12.7 +- .7	;	6.8
013	358	8.6	21.2 +- .6	;	3.2	16.5 +- .8	;	7.0
014	323	8.7	19.8 +- .6	;	2.8	14.8 +- .8	;	6.9
015	151	8.7	18.9 +- .6	;	2.8	14.8 +- .8	;	6.8
016	219	8.9	18.9 +- .6	;	2.8	13.9 +- .8	;	6.8
017	245	1.5	17.9 +- .5	;	2.7	12.8 +- .7	;	6.8
018	254	2.3	19.1 +- .6	;	2.9	14.1 +- .8	;	6.9
019	323	7.8	19.9 +- .6	;	3.0	15.1 +- .8	;	6.9
020	389	6.3	20.1 +- .6	;	3.0	15.3 +- .8	;	6.9
021	279	5.7	18.3 +- .5	;	2.7	13.3 +- .7	;	6.8
022	244	6.4	19.8 +- .6	;	3.0	15.8 +- .8	;	6.9
023	217	4.6	19.6 +- .6	;	2.9	14.8 +- .8	;	6.9
024	358	11.	19.4 +- .6	;	2.9	14.5 +- .8	;	6.9
025	318	17.	19.9 +- .6	;	3.0	15.1 +- .8	;	6.9
026	311	22.	20.5 +- .6	;	3.1	15.7 +- .8	;	7.0
027	386	27.	18.1 +- .5	;	2.7	13.8 +- .7	;	6.8
028	386	27.	18.7 +- .6	;	2.8	13.8 +- .8	;	6.8
029	386	27.	18.7 +- .6	;	2.8	13.7 +- .8	;	6.8
030	386	27.	18.8 +- .6	;	2.8	13.8 +- .8	;	6.8
TRANSIT DOSE =			6.3 +- .4	;	5.5			



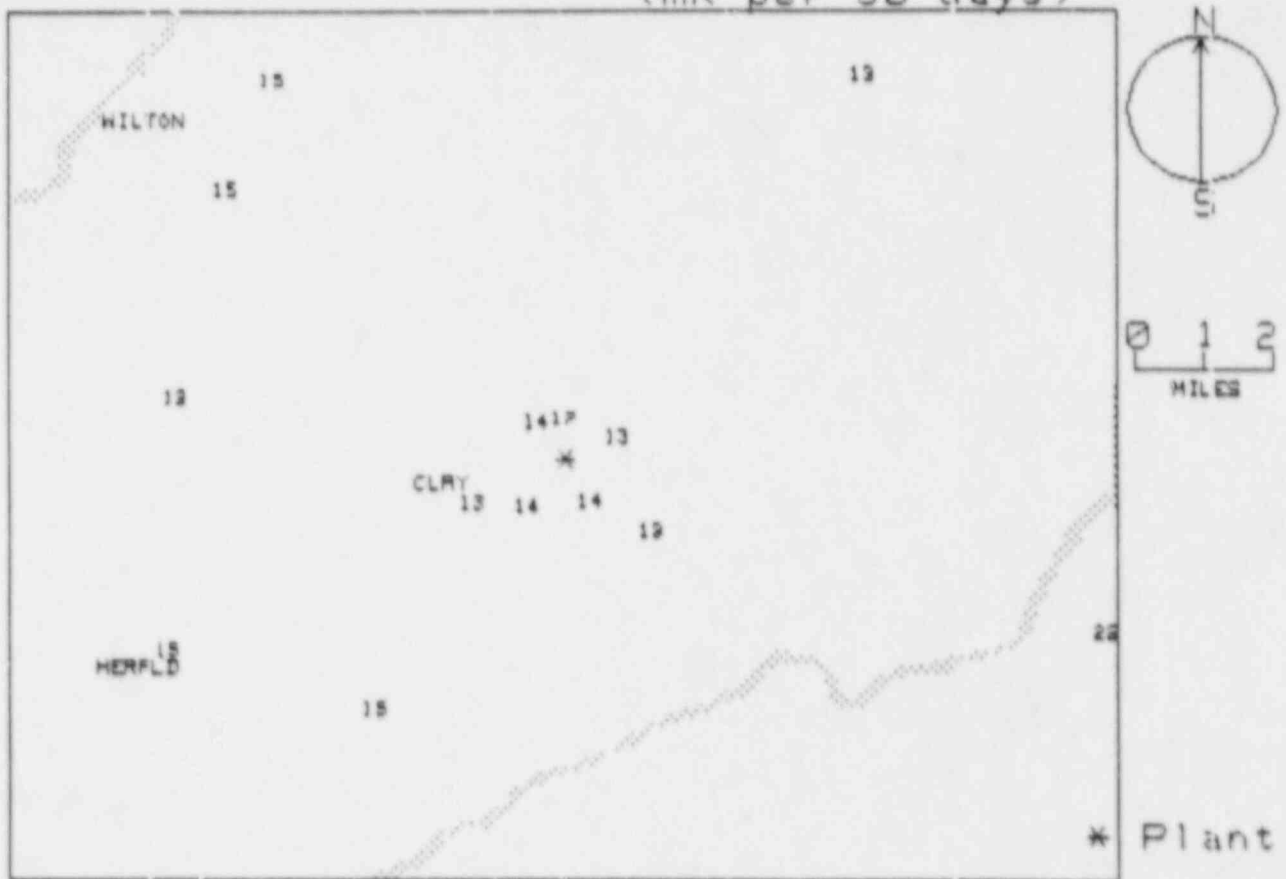
RANCHO SECO  
FOR THE PERIOD 880316-880719

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
348.75-11.25 (N)	15.5 $\pm$ 1.4	2
11.25-33.75 (NNE)	NO DATA+-NO DATA	0
33.75-56.25 (NE)	13.8 $\pm$ 1.3	2
56.25-78.75 (ENE)	13.3 $\pm$ 0.0	1
78.75-101.25 (E)	12.8 $\pm$ .9	3
101.25-123.75 (ESE)	22.2 $\pm$ 0.0	1
123.75-146.25 (SE)	12.7 $\pm$ 0.0	1
146.25-168.75 (SSE)	14.3 $\pm$ .4	2
168.75-191.25 (S)	NO DATA+-NO DATA	0
191.25-213.75 (SSW)	17.5 $\pm$ 0.0	1
213.75-236.25 (SW)	14.3 $\pm$ .6	2
236.25-258.75 (WSW)	15.1 $\pm$ 2.4	4
258.75-281.25 (W)	13.3 $\pm$ 0.0	1
281.25-303.75 (WNW)	NO DATA+-NO DATA	0
303.75-326.25 (NW)	14.5 $\pm$ .7	6
326.25-348.75 (NNW)	NO DATA+-NO DATA	0

DISTANCE (mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
0-2	13.8 $\pm$ 1.2	9
2-5	14.5 $\pm$ .4	2
>5	15.1 $\pm$ 2.6	15
UPWIND CONTROL DATA	14.2 $\pm$ 1.4	3

NRC TLD DOSES FOR RANCHO SECO AREA  
(mR per 90 days)



RIVER BEND  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 880316-880718 125 DAYS  
 FIELD TIME 85 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE(mR)			NET EXPOSURE RATE		
	AZIMUTH (deg.)	DIST (mi.)	+- Rdm;Tot.			mR/Std.Qtr. +- Rdm;Tot.		
001	348	1.3	20.9	+- .6	3.1	17.8	+- .7	6.1
002	42	1.1	19.7	+- .6	3.0	16.6	+- .7	6.0
003	61	1.1	20.8	+- .6	3.1	17.7	+- .7	6.1
004	90	0.8	20.8	+- .6	3.1	17.7	+- .7	6.1
005	107	0.6	22.1	+- .7	3.3	19.1	+- .8	6.2
006	136	0.8	21.9	+- .7	3.3	18.9	+- .8	6.2
007	166	1.0	19.2	+- .6	2.9	16.0	+- .7	6.0
008	182	0.9	19.3	+- .6	2.9	16.1	+- .7	6.0
009	195	0.6	19.8	+- .6	3.0	16.7	+- .7	6.0
010	225	0.7	19.3	+- .6	2.9	16.1	+- .7	6.0
011	254	0.4	19.0	+- .6	2.8	15.8	+- .7	5.9
012	276	0.6	22.3	+- .7	3.3	19.3	+- .8	6.2
013	295	0.6	22.3	+- .7	3.3	19.3	+- .8	6.2
014	320	0.9	19.5	+- .6	2.9	16.4	+- .7	6.0
015	332	2.1	21.4	+- .6	3.2	18.4	+- .8	6.1
016	312	2.7	18.9	+- .6	2.8	15.7	+- .7	5.9
017	302	3.1	19.0	+- .6	2.9	15.8	+- .7	5.9
018	278	3.8	16.7	+- .5	2.5	13.4	+- .6	5.8
019	242	2.8	21.5	+- .6	3.2	18.4	+- .8	6.2
020	195	5.4	19.4	+- .6	2.9	16.2	+- .7	6.0
021	215	3.0	19.5	+- .6	2.9	16.3	+- .7	6.0
022	233	7.1	16.4	+- .5	2.5	13.8	+- .6	5.7
023	246	9.7	20.4	+- .6	3.1	17.3	+- .7	6.1
024	234	7.3	17.0	+- .5	2.5	13.7	+- .6	5.8
025	185	7.6	MISSING OR DAMAGED DOSIMETER					
026	322	7.7	20.7	+- .6	3.1	17.6	+- .7	6.1
027	328	10.	21.4	+- .6	3.2	18.0	+- .8	6.1
028	340	7.2	21.4	+- .6	3.2	18.0	+- .8	6.1
029	354	9.5	19.4	+- .6	2.9	16.3	+- .7	6.0
030	360	5.1	26.9	+- .6	3.1	17.9	+- .8	6.1
031	221	6.9	22.2	+- .7	3.3	19.2	+- .8	6.2
032	48	4.9	19.9	+- .6	3.0	16.7	+- .7	6.0
033	52	8.7	17.2	+- .5	2.6	13.9	+- .6	5.8
034	65	8.4	20.8	+- .6	3.0	16.9	+- .7	6.0
035	87	6.6	18.7	+- .6	2.8	15.5	+- .7	5.9
036	326	5.8	19.6	+- .6	2.9	16.5	+- .7	6.0
037	329	22.	19.9	+- .6	3.0	16.8	+- .7	6.0
038	111	3.8	19.1	+- .6	2.9	15.9	+- .7	6.0
039	131	5.6	19.6	+- .6	3.2	16.5	+- .7	6.0
040	155	6.2	21.8	+- .6	3.1	17.9	+- .8	6.1
041	120	9.0	20.8	+- .6	3.1	17.7	+- .7	6.1
042	121	11.	16.4	+- .6	2.8	15.2	+- .7	5.9
043	188	1.1	23.8	+- .7	3.5	20.1	+- .8	6.3
044	158	2.8	18.3	+- .5	2.7	15.8	+- .7	5.9
TRANSIT DOSE =			4.0	+- .3	4.6			

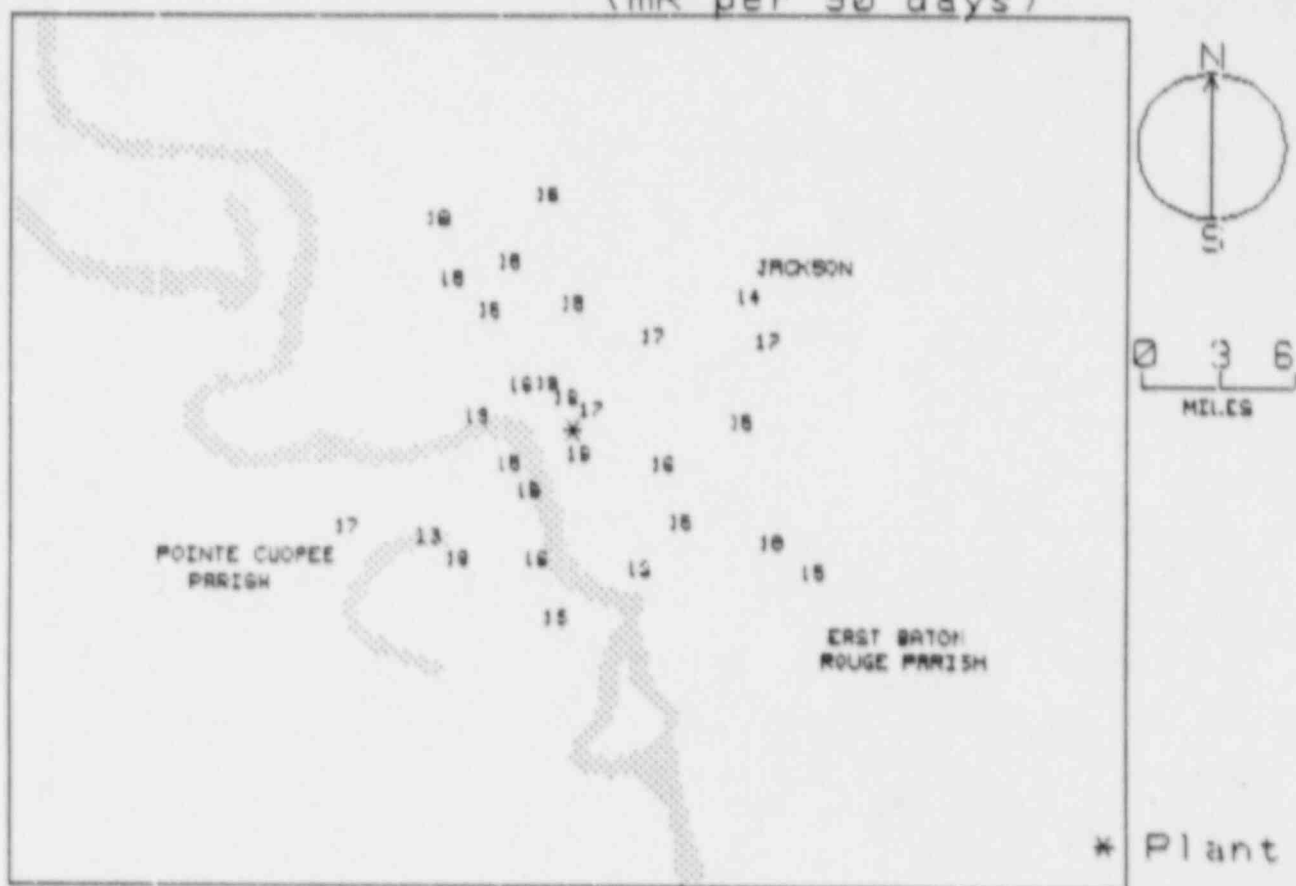
RIVER BEND  
FOR THE PERIOD 800316-880718

## TLD DIRECT EXPOSURE ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
348.75-11.25 (N)	17.1 $\pm$ 1.1	2
11.25-33.75 (NNE)	NO DATA+-NO DATA	0
33.75-56.25 (NE)	15.8 $\pm$ 1.6	3
56.25-78.75 (ENE)	17.3 $\pm$ .8	2
78.75-101.25 (E)	16.6 $\pm$ 1.5	2
101.25-123.75 (ESE)	17.0 $\pm$ 1.6	4
123.75-146.25 (SE)	17.7 $\pm$ 1.7	2
146.25-168.75 (SSE)	17.0 $\pm$ 1.3	2
168.75-191.25 (S)	18.1 $\pm$ 2.0	2
191.25-213.75 (SSW)	16.5 $\pm$ .3	2
213.75-236.25 (SW)	15.7 $\pm$ 2.4	5
236.25-258.75 (WSW)	17.2 $\pm$ 1.3	3
258.75-281.25 (W)	16.3 $\pm$ 4.2	2
281.25-303.75 (WNW)	17.6 $\pm$ 2.4	2
303.75-326.25 (NW)	16.6 $\pm$ .8	4
326.25-348.75 (NNW)	17.9 $\pm$ .7	5

DISTANCE (mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
0-2	17.6 $\pm$ 1.4	15
2-5	16.3 $\pm$ 1.6	8
>5	16.6 $\pm$ 1.7	18
UPWIND CONTROL DATA	15.0 $\pm$ 0.0	1

NRC TLD DOSES FOR RIVER BEND AREA  
(mR per 90 days)



ROBINSON  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 880323-880719 119 DAYS  
 FIELD TIME 85 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE(mR)			NET EXPOSURE RATE		
	AZIMUTH (deg.)	DIST (mi.)	+- Rdm;Tot.			mR/Std.Dtr. +- Rdm;Tot.		
001	191	0.2	15.6	+-	.5 ; 2.3	14.5	+-	.6 ; 5.0
002	151	1.9	23.4	+-	.7 ; 3.5	22.0	+-	.8 ; 5.7
003	134	2.0	18.6	+-	.6 ; 2.8	17.7	+-	.7 ; 5.3
004	119	1.9	15.1	+-	.5 ; 2.3	14.0	+-	.6 ; 5.0
005	89	2.1	18.7	+-	.6 ; 2.8	17.8	+-	.7 ; 5.3
006	65	1.0	18.3	+-	.5 ; 2.7	17.4	+-	.6 ; 5.2
007	46	1.8	19.0	+-	.6 ; 2.9	18.2	+-	.7 ; 5.3
008	27	1.9	MISSING OR DAMAGED DOSIMETER					
009	22	3.5	17.1	+-	.5 ; 2.6	16.1	+-	.6 ; 5.1
010	0	5.0	18.6	+-	.6 ; 2.8	17.7	+-	.7 ; 5.3
011	51	4.8	22.1	+-	.7 ; 3.3	21.4	+-	.8 ; 5.6
012	67	4.1	16.2	+-	.5 ; 2.4	15.2	+-	.6 ; 5.1
013	87	4.5	17.5	+-	.5 ; 2.6	16.6	+-	.6 ; 5.2
014	109	5.0	16.9	+-	.5 ; 2.5	15.9	+-	.6 ; 5.1
015	118	4.8	14.5	+-	.4 ; 2.2	13.4	+-	.5 ; 4.9
016	138	5.3	18.0	+-	.5 ; 2.7	17.1	+-	.6 ; 5.2
017	115	17'	14.6	+-	.4 ; 2.2	13.4	+-	.5 ; 4.9
018	199	13'	17.2	+-	.5 ; 2.6	16.3	+-	.6 ; 5.1
019	208	4.8	20.5	+-	.6 ; 3.1	19.7	+-	.7 ; 5.4
020	225	4.0	20.4	+-	.6 ; 3.1	19.6	+-	.7 ; 5.4
021	178	4.6	14.9	+-	.4 ; 2.2	13.8	+-	.5 ; 4.9
022	167	3.7	17.1	+-	.5 ; 2.6	16.1	+-	.6 ; 5.1
023	181	2.3	16.9	+-	.5 ; 2.5	15.9	+-	.6 ; 5.1
024	194	2.0	19.7	+-	.6 ; 3.0	18.9	+-	.7 ; 5.4
025	228	2.1	19.6	+-	.6 ; 2.9	18.7	+-	.7 ; 5.3
026	245	1.5	15.7	+-	.5 ; 2.3	14.6	+-	.6 ; 5.0
027	273	1.8	15.2	+-	.5 ; 2.4	15.1	+-	.6 ; 5.0
028	287	2.0	MISSING OR DAMAGED DOSIMETER					
029	311	1.6	18.9	+-	.6 ; 2.8	18.0	+-	.7 ; 5.3
030	334	1.9	16.3	+-	.5 ; 2.4	15.3	+-	.6 ; 5.1
031	353	1.8	17.3	+-	.5 ; 2.6	16.4	+-	.6 ; 5.1
032	333	4.0	16.8	+-	.5 ; 2.5	15.8	+-	.6 ; 5.1
033	318	4.7	18.9	+-	.6 ; 2.9	18.1	+-	.7 ; 5.3
034	318	6.9	16.3	+-	.5 ; 2.4	15.3	+-	.6 ; 5.1
035	295	4.0	21.2	+-	.6 ; 3.2	20.3	+-	.7 ; 5.5
036	269	4.8	20.1	+-	.6 ; 3.0	19.3	+-	.7 ; 5.4
037	252	4.6	17.8	+-	.5 ; 2.7	16.9	+-	.6 ; 5.2
038	274	11'	18.3	+-	.5 ; 2.7	17.4	+-	.6 ; 5.2
039	286	15'	16.4	+-	.5 ; 2.5	15.4	+-	.6 ; 5.1
040	289	16'	15.4	+-	.5 ; 2.3	14.3	+-	.6 ; 5.0
041	291	17'	18.8	+-	.5 ; 2.7	17.8	+-	.6 ; 5.2
TRANSIT DOSE = 1.8 +- .3 ; 4.1								

ROBINSON  
FOR THE PERIOD 880323-880719

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	# IN GROUP
348.75-11.25 (N)	17.0 $\pm$ 1.0	2
11.25-33.75 (NNE)	16.1 $\pm$ 0.0	1
33.75-56.25 (NE)	19.8 $\pm$ 2.3	2
56.25-78.75 (ENE)	16.3 $\pm$ 1.5	2
78.75-101.25 (E)	17.2 $\pm$ .8	2
101.25-123.75 (ESE)	14.2 $\pm$ 1.2	4
123.75-146.25 (SE)	17.4 $\pm$ .4	2
146.25-168.75 (SSE)	19.5 $\pm$ 4.7	2
168.75-191.25 (S)	14.7 $\pm$ 1.1	3
191.25-213.75 (SSW)	18.3 $\pm$ 1.6	3
213.75-236.25 (SW)	19.2 $\pm$ .8	2
236.25-258.75 (WSW)	15.8 $\pm$ 1.6	2
258.75-281.25 (W)	17.3 $\pm$ 2.1	3
281.25-303.75 (WNW)	20.5 $\pm$ 0.0	1
303.75-326.25 (NW)	17.1 $\pm$ 1.6	3
326.25-348.75 (NNW)	15.6 $\pm$ .4	2

DISTANCE (mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	# IN GROUP
0-2	16.9 $\pm$ 2.5	12
2-5	17.3 $\pm$ 2.2	19
>5	15.8 $\pm$ 1.6	5
UPWIND CONTROL DATA	15.6 $\pm$ 1.4	3





ST. LUCIE  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 880323-880721 121 DAYS  
 FIELD TIME 91 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)			NET EXPOSURE RATE		
	AZIMUTH (deg.)	DIST (mi.)	-- Rdm; Tot.			mR/Std. Qtr. +- Rdm; Tot.		
001	20	0.3	18.2	+-	.5 ; 2.7	15.4	+-	.6 ; 5.3
002	45	0.2	18.5	+-	.6 ; 2.8	15.8	+-	.6 ; 5.3
003	67	0.2	16.9	+-	.5 ; 2.5	14.1	+-	.6 ; 5.2
004	92	0.3	17.6	+-	.5 ; 2.6	14.8	+-	.6 ; 5.2
005	115	0.4	18.4	+-	.6 ; 2.8	15.7	+-	.6 ; 5.3
006	143	1.1	16.3	+-	.5 ; 2.4	13.5	+-	.6 ; 5.1
007	150	2.0	13.7	+-	.4 ; 2.1	11.0	+-	.5 ; 5.0
008	154	4.7	17.1	+-	.5 ; 2.6	14.4	+-	.6 ; 5.2
009	152	23'	16.8	+-	.5 ; 2.5	14.1	+-	.6 ; 5.2
010	152	23'	17.0	+-	.5 ; 2.5	14.2	+-	.6 ; 5.2
011	152	23'	18.2	+-	.5 ; 2.7	15.5	+-	.6 ; 5.3
012	168	14.	17.9	+-	.5 ; 2.7	15.1	+-	.6 ; 5.3
013	185	10.	16.6	+-	.5 ; 2.5	13.8	+-	.6 ; 5.2
014	183	11.	20.1	+-	.6 ; 3.0	17.3	+-	.7 ; 5.4
015	170	8.0	15.3	+-	.5 ; 2.3	12.6	+-	.5 ; 5.1
016	196	7.0	16.7	+-	.5 ; 2.5	14.0	+-	.6 ; 5.2
017	229	7.9	18.2	+-	.5 ; 2.7	15.5	+-	.6 ; 5.3
018	250	6.6	17.4	+-	.5 ; 2.6	14.7	+-	.6 ; 5.2
019	247	4.8	16.8	+-	.5 ; 2.5	14.0	+-	.6 ; 5.2
020	229	5.0	17.4	+-	.5 ; 2.6	14.7	+-	.6 ; 5.2
021	208	3.8	16.2	+-	.5 ; 2.4	13.4	+-	.6 ; 5.1
022	187	3.8	17.7	+-	.5 ; 2.7	15.0	+-	.6 ; 5.2
023	203	2.6	17.4	+-	.5 ; 2.6	14.6	+-	.6 ; 5.2
024	245	1.9	16.5	+-	.5 ; 2.5	13.8	+-	.6 ; 5.2
025	280	2.2	MISSING OR DAMAGED DOSIMETER					
026	299	3.1	18.6	+-	.6 ; 2.8	15.9	+-	.6 ; 5.3
027	305	3.8	17.5	+-	.5 ; 2.6	14.7	+-	.6 ; 5.2
028	276	4.0	16.5	+-	.5 ; 2.5	13.7	+-	.6 ; 5.1
029	293	5.8	17.0	+-	.5 ; 2.5	14.2	+-	.6 ; 5.2
030	316	7.7	17.7	+-	.5 ; 2.7	15.0	+-	.6 ; 5.2
032	300	11.	17.7	+-	.5 ; 2.7	15.0	+-	.6 ; 5.2
033	322	8.7	18.0	+-	.5 ; 2.7	15.3	+-	.6 ; 5.3
034	339	8.8	17.4	+-	.5 ; 2.6	14.7	+-	.6 ; 5.2
035	342	2.9	16.3	+-	.5 ; 2.4	13.5	+-	.6 ; 5.1
036	346	1.9	16.7	+-	.5 ; 2.5	14.0	+-	.6 ; 5.2
037	353	1.0	16.6	+-	.5 ; 2.5	13.9	+-	.6 ; 5.2
038	226	2.0	17.7	+-	.5 ; 2.7	15.0	+-	.6 ; 5.2
TRANSIT DOSE =			2.6	+-	.3 ; 4.6			

ST. LUCIE  
FOR THE PERIOD 880323-880721

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
348.75-11.25 (N)	13.8 $\pm$ 0.0	1
11.25-33.75 (NNE)	15.4 $\pm$ 0.0	1
33.75-56.25 (NE)	15.8 $\pm$ 0.0	1
56.25-78.75 (ENE)	14.1 $\pm$ 0.0	1
78.75-101.25 (E)	14.8 $\pm$ 0.0	1
101.25-123.75 (ESE)	15.7 $\pm$ 0.0	1
123.75-146.25 (SE)	13.5 $\pm$ 0.0	1
146.25-168.75 (SSE)	13.5 $\pm$ 2.2	3
168.75-191.25 (S)	14.7 $\pm$ 2.0	4
191.25-213.75 (SSW)	14.0 $\pm$ .6	3
213.75-236.25 (SW)	15.0 $\pm$ .4	3
236.25-258.75 (WSW)	14.2 $\pm$ .5	3
258.75-281.25 (W)	13.7 $\pm$ 0.0	1
281.25-303.75 (WNW)	15.0 $\pm$ .8	3
303.75-326.25 (NW)	15.0 $\pm$ .3	3
326.25-348.75 (NNW)	14.1 $\pm$ .6	3

DISTANCE (mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
0-2	14.3 $\pm$ 1.3	11
2-5	14.4 $\pm$ .7	10
>5	14.8 $\pm$ 1.1	12
UPWIND CONTROL DATA	14.6 $\pm$ .8	3



SALEM  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 880323-880721 121 DAYS  
 FIELD TIME 99 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)			NET EXPOSURE RATE mR/Std. Qtr.		
	AZIMUTH (deg.)	DIST (mi.)	+ -	Rdm	Tot.	+ -	Rdm	Tot.
001	87	3.3	16.1	+ -	.5 ; 2.4	13.5	+ -	.5 ; 4.6
002	79	3.4	16.1	+ -	.5 ; 2.4	13.5	+ -	.5 ; 4.6
003	72	3.6	17.1	+ -	.5 ; 2.6	14.4	+ -	.5 ; 4.7
004	58	4.2	19.3	+ -	.6 ; 2.9	16.4	+ -	.6 ; 4.8
005	54	4.9	15.2	+ -	.5 ; 2.3	12.7	+ -	.5 ; 4.6
006	68	8.6	15.2	+ -	.5 ; 2.3	12.7	+ -	.5 ; 4.6
007	40	5.7	15.1	+ -	.5 ; 2.3	12.6	+ -	.5 ; 4.6
008	116	12.	15.5	+ -	.5 ; 2.3	12.9	+ -	.5 ; 4.6
010	8	5.8	16.5	+ -	.5 ; 2.5	13.8	+ -	.5 ; 4.7
011	15	8.1	14.9	+ -	.4 ; 2.2	12.4	+ -	.5 ; 4.6
012	24	8.6	15.1	+ -	.5 ; 2.3	12.6	+ -	.5 ; 4.6
013	49	8.6	14.3	+ -	.4 ; 2.1	11.9	+ -	.5 ; 4.5
014	90	6.7	14.6	+ -	.4 ; 2.2	12.2	+ -	.5 ; 4.3
015	105	6.4	12.5	+ -	.4 ; 1.9	10.2	+ -	.4 ; 4.4

TRANSIT DOSE = 1.2 + - .3 ; 4.5

COMMENTS:

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

SALEM  
FOR THE PERIOD 880323-880721

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	# IN GROUP
348.75-11.25 (N)	13.8 $\pm$ 0.0	1
11.25-33.75 (NNE)	12.5 $\pm$ .1	2
33.75-56.25 (NE)	12.4 $\pm$ .4	3
56.25-78.75 (ENE)	14.5 $\pm$ 1.0	3
78.75-101.25 (E)	13.1 $\pm$ .8	3
101.25-123.75 (ESE)	11.8 $\pm$ 1.0	2
123.75-146.25 (SE)	NO DATA+-NO DATA	0
146.25-168.75 (SSE)	NO DATA+-NO DATA	0
168.75-191.25 (S)	NO DATA+-NO DATA	0
191.25-213.75 (SSW)	NO DATA+-NO DATA	0
213.75-236.25 (SW)	NO DATA+-NO DATA	0
236.25-258.75 (WSW)	NO DATA+-NO DATA	0
258.75-281.25 (W)	NO DATA+-NO DATA	0
281.25-303.75 (WNW)	NO DATA+-NO DATA	0
303.75-326.25 (NW)	NO DATA+-NO DATA	0
326.25-348.75 (NNW)	NO DATA+-NO DATA	0

DISTANCE (mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	# IN GROUP
0-2	NO DATA+-NO DATA	0
2-5	14.1 $\pm$ 1.4	5
>5	12.4 $\pm$ 1.0	9
UPWIND CONTROL DATA	NO DATA	NO DATA



SALEM  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 880323-880721 121 DAYS  
 FIELD TIME 99 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)			NET EXPOSURE RATE mR/Std. Qtr.		
	AZIMUTH (deg.)	DIST (mi.)	+-	Rdm;	Tot.	+-	Rdm;	Tot.
017	331	4.2	19.9	+-	.6 ; 3.0	17.1	+-	.6 ; 4.9
018	320	3.8	16.3	+-	.5 ; 2.4	13.8	+-	.5 ; 4.6
019	299	3.4	19.2	+-	.6 ; 2.9	16.5	+-	.6 ; 4.8
020	330	9.5	22.0	+-	.7 ; 3.3	19.0	+-	.6 ; 5.0
021	276	4.6	20.1	+-	.6 ; 3.0	17.3	+-	.6 ; 4.9
022	266	4.7	20.1	+-	.6 ; 3.0	17.3	+-	.6 ; 4.9
023	257	4.4	19.5	+-	.6 ; 2.9	16.7	+-	.6 ; 4.8
024	240	4.4	19.9	+-	.6 ; 3.0	17.1	+-	.6 ; 4.9
025	217	4.9	20.1	+-	.6 ; 3.0	17.3	+-	.6 ; 4.9
026	204	3.9	18.7	+-	.6 ; 2.8	16.0	+-	.6 ; 4.8
027	188	4.2	25.2	+-	.8 ; 3.8	21.9	+-	.7 ; 5.3
028	319	20	MISSING OR DAMAGED DOSIMETER					
029	265	6.7	16.9	+-	.5 ; 2.5	14.4	+-	.5 ; 4.6
030	353	12.	15.4	+-	.5 ; 2.3	13.0	+-	.5 ; 4.5
031	0	18	18.6	+-	.6 ; 2.8	16.0	+-	.6 ; 4.8
032	338	8.1	17.3	+-	.5 ; 2.6	14.8	+-	.5 ; 4.7
033	265	9.8	19.9	+-	.6 ; 3.0	17.1	+-	.6 ; 4.9
034	270	14.	18.8	+-	.6 ; 2.8	16.1	+-	.6 ; 4.8
TRANSIT DOSE =			1.1	+-	.3 ; 4.4			

## COMMENTS:

THIS STATION TLD EXCHANGE IS DIVIDED BETWEEN THE STATES OF  
 N.J. AND DEL. STATION 1-15 (N.J.), STATION 17-50 (DEL.)

SALIM  
FOR THE PERIOD 880323-880721

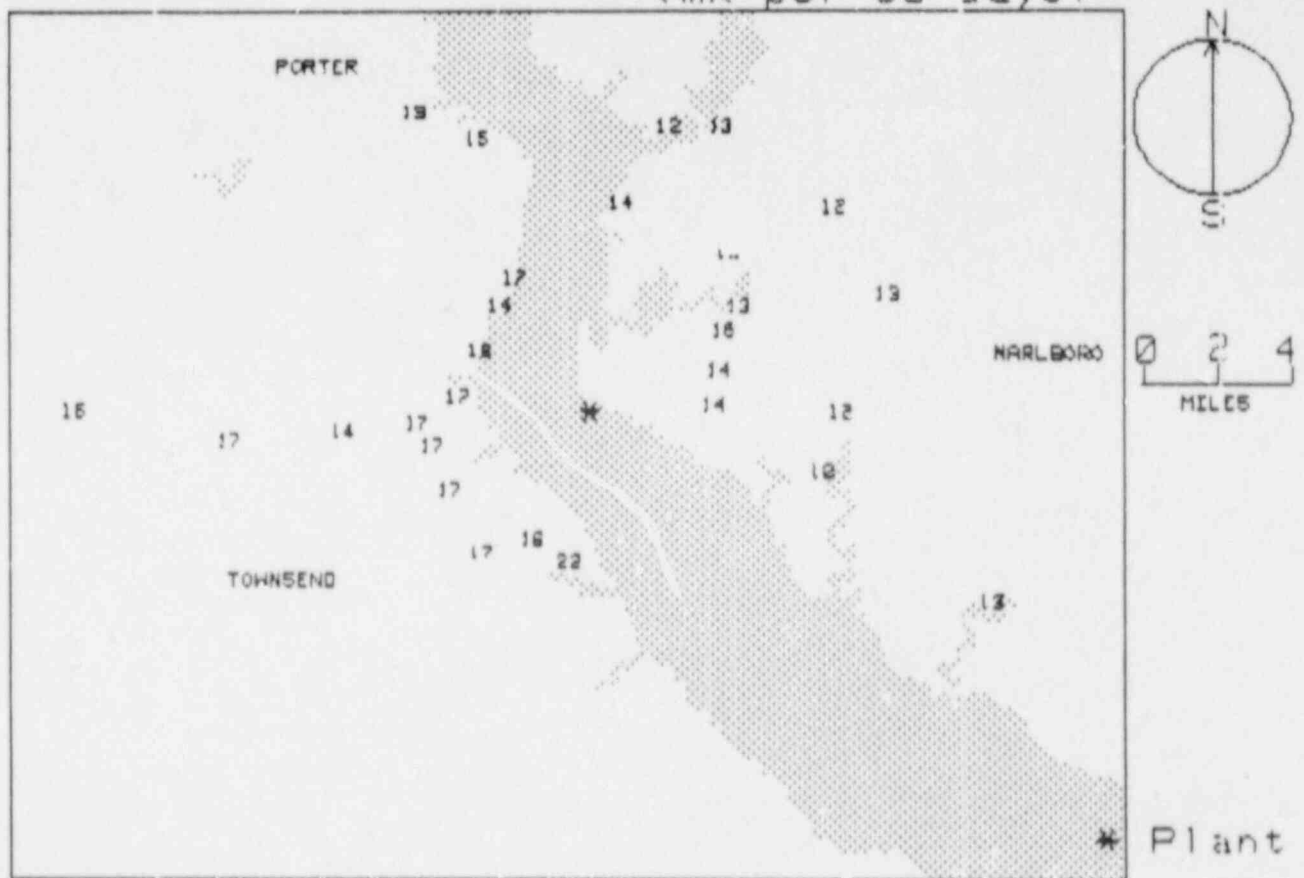
## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	# IN GROUP
348.75-11.25 (N)	NO DATA+-NO DATA	0
11.25-33.75 (NNE)	NO DATA+-NO DATA	0
33.75-56.25 (NE)	NO DATA+-NO DATA	0
56.25-78.75 (ENE)	NO DATA+-NO DATA	0
78.75-101.25 (E)	NO DATA+-NO DATA	0
101.25-123.75 (ESE)	NO DATA+-NO DATA	0
123.75-146.25 (SE)	NO DATA+-NO DATA	0
146.25-168.75 (SSE)	NO DATA+-NO DATA	0
168.75-191.25 (S)	21.8 $\pm$ 0.0	1
191.25-213.75 (SSW)	16.0 $\pm$ 0.0	1
213.75-236.25 (SW)	17.3 $\pm$ 0.0	1
236.25-258.75 (WSW)	16.9 $\pm$ .3	2
258.75-281.25 (W)	16.4 $\pm$ 1.3	5
281.25-303.75 (WNW)	16.5 $\pm$ 0.0	1
303.75-326.25 (NW)	13.8 $\pm$ 0.0	1
326.25-348.75 (NNW)	17.0 $\pm$ 2.1	3

DISTANCE(mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	# IN GROUP
0-2	NO DATA+-NO DATA	0
2-5	17.1 $\pm$ 2.0	10
>5	16.3 $\pm$ 1.9	5
JPNIND CONTROL DATA	14.5 $\pm$ 2.1	2



NRC TLD DOSES FOR SALEM AREA  
(mR per 90 days)



SAN ONOFRE  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 880316-880725 132 DAYS  
 FIELD TIME 92 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)			NET EXPOSURE RATE mR/Std. Qtr.		
	AZIMUTH (deg.)	DIST (mi.)	+- Rdm; Tot.			+- Rdm; Tot.		
001	346	35.	27.6	+-	.8 ; 4.1	21.1	+-	.9 ; 7.0
002	346	35.	29.7	+-	.9 ; 4.5	23.2	+-	1.0 ; 7.2
003	346	35.	30.0	+-	.9 ; 4.5	23.4	+-	1.0 ; 7.2
004	327	11.	22.4	+-	.7 ; 3.4	16.0	+-	.8 ; 6.6
005	300	14.	25.1	+-	.8 ; 3.8	18.6	+-	.8 ; 6.8
006	307	10.	23.2	+-	.7 ; 3.5	16.8	+-	.8 ; 6.6
007	318	6.3	MISSING OR DAMAGED DOSIMETER					
008	322	5.1	26.3	+-	.8 ; 3.9	19.8	+-	.9 ; 6.9
009	311	3.3	25.8	+-	.8 ; 3.9	19.3	+-	.9 ; 6.8
010	331	3.3	26.8	+-	.8 ; 4.0	20.3	+-	.9 ; 6.9
011	300	2.6	25.5	+-	.8 ; 3.8	19.0	+-	.8 ; 6.8
012	285	0.5	30.2	+-	.9 ; 4.5	23.6	+-	1.0 ; 7.2
013	320	2.4	23.5	+-	.7 ; 3.5	17.1	+-	.8 ; 6.6
014	320	1.7	25.1	+-	.8 ; 3.8	18.7	+-	.8 ; 6.8
015	333	1.2	24.3	+-	.7 ; 3.6	17.9	+-	.8 ; 6.7
016	30	1.9	28.0	+-	.8 ; 4.2	21.5	+-	.9 ; 7.0
017	8	1.3	22.0	+-	.7 ; 3.3	15.6	+-	.8 ; 6.5
018	39	2.1	28.4	+-	.9 ; 4.3	21.9	+-	.9 ; 7.0
019	55	2.9	24.9	+-	.7 ; 3.7	18.5	+-	.8 ; 6.8
020	77	4.1	26.6	+-	.8 ; 4.0	20.1	+-	.9 ; 6.9
021	87	4.7	25.8	+-	.8 ; 3.9	19.4	+-	.9 ; 6.8
022	25	3.4	28.6	+-	.9 ; 4.3	22.1	+-	.9 ; 7.1
023	357	3.5	25.6	+-	.8 ; 3.8	19.1	+-	.8 ; 6.8
024	25	0.4	24.2	+-	.7 ; 3.6	17.7	+-	.8 ; 6.7
025	81	0.4	22.9	+-	.7 ; 3.4	16.5	+-	.8 ; 6.6
026	126	2.1	21.2	+-	.6 ; 3.2	14.9	+-	.7 ; 6.5
027	130	0.6	23.2	+-	.7 ; 3.5	16.8	+-	.8 ; 6.6
028	99	0.9	21.7	+-	.6 ; 3.2	15.3	+-	.8 ; 6.5
029	135	11.	MISSING OR DAMAGED DOSIMETER					
030	126	2.0	20.3	+-	.6 ; 3.0	13.9	+-	.7 ; 6.4
031	128	3.7	22.4	+-	.7 ; 3.4	16.0	+-	.8 ; 6.6
032	140	22.	23.8	+-	.7 ; 3.6	17.4	+-	.8 ; 6.7
033	120	26.	21.9	+-	.7 ; 3.3	15.5	+-	.8 ; 6.5
TRANSIT DOSE =			6.0	+-	.4 ; 5.8			

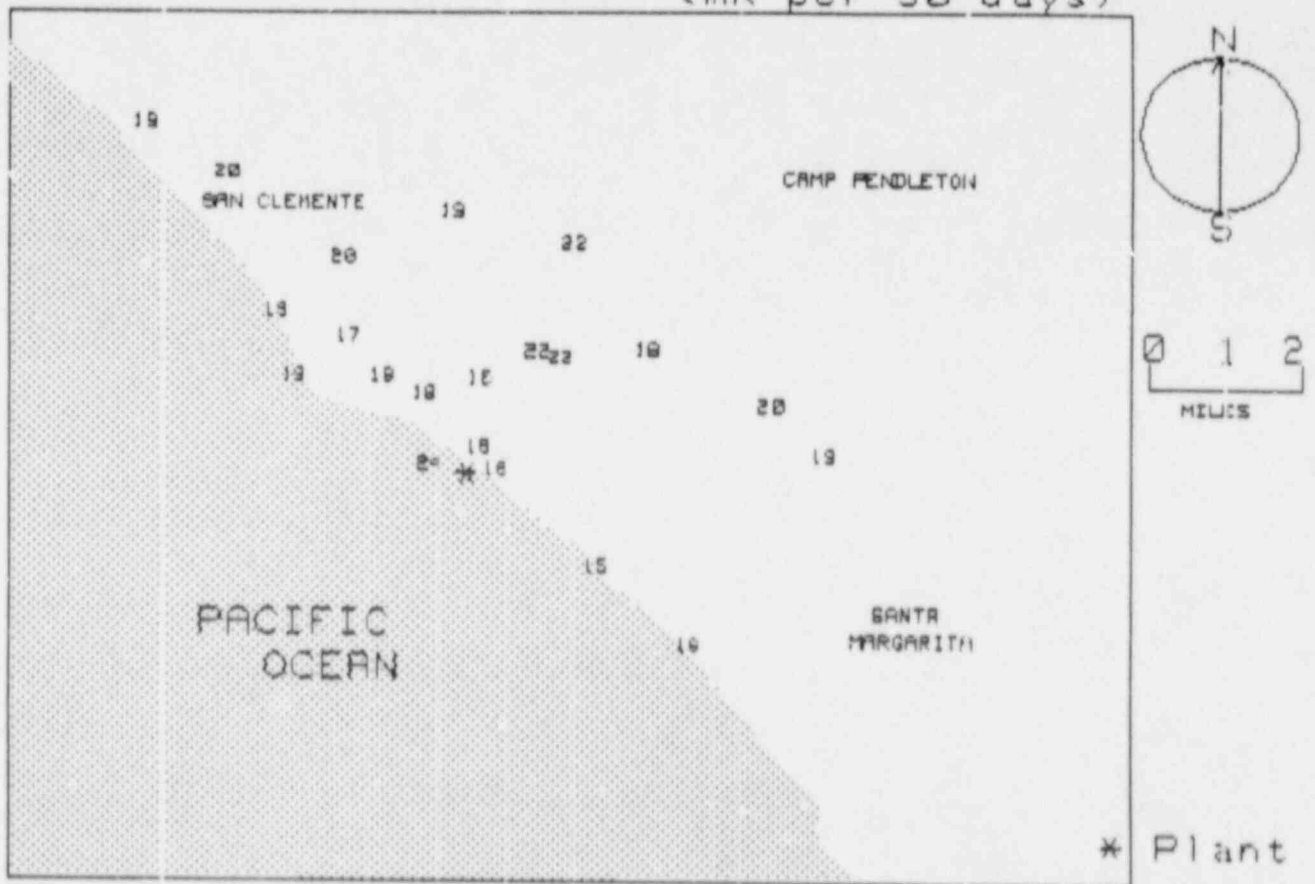
SAH ONOFRE  
FOR THE PERIOD 880316-880725

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
348.75-11.25 (N)	17.4 $\pm$ 2.5	2
11.25-33.75 (NNE)	20.5 $\pm$ 2.4	3
33.75-56.25 (NE)	20.2 $\pm$ 2.4	2
56.25-78.75 (ENE)	20.1 $\pm$ 0.0	1
78.75-101.25 (E)	17.0 $\pm$ 2.1	3
101.25-123.75 (ESE)	15.5 $\pm$ 0.0	1
123.75-146.25 (SE)	15.8 $\pm$ 1.4	5
146.25-168.75 (SSE)	NO DATA $\pm$ NO DATA	0
168.75-191.25 (S)	NO DATA $\pm$ NO DATA	0
191.25-213.75 (SSW)	NO DATA $\pm$ NO DATA	0
213.75-236.25 (SW)	NO DATA $\pm$ NO DATA	0
236.25-258.75 (WSW)	NO DATA $\pm$ NO DATA	0
258.75-281.25 (W)	NO DATA $\pm$ NO DATA	0
281.25-303.75 (WNW)	21.3 $\pm$ 3.3	2
303.75-326.25 (NW)	18.4 $\pm$ 1.2	6
326.25-348.75 (NNW)	18.1 $\pm$ 2.2	3

DISTANCE (mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
0-2	18.6 $\pm$ 3.2	9
2-5	18.7 $\pm$ 2.0	11
>5	17.0 $\pm$ 1.6	8
UPWIND CONTROL DATA	22.6 $\pm$ 1.3	3

NRC TLD DOSES FOR SAN ONOFRE AREA  
(mR per 90 days)



SEABROOK  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 880323-880714 114 DAYS  
 FIELD TIME 84 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE(mR)		NET EXPOSURE RATE	
	AZIMUTH (deg.)	DIST (mi.)	+ - Rdm; Tot.		mR/Std.Qtr. + - Rdm; Tot.	
001	157	0.7	17.3 +- .5	; 2.6	17.8 +- .6	; 4.8
002	179	.7	17.3 +- .5	; 2.6	17.8 +- .6	; 4.8
003	199	0.7	17.9 +- .5	; 2.7	18.4 +- .6	; 4.9
004	223	.9	18.9 +- .6	; 2.8	19.5 +- .7	; 5.0
005	244	1.2	16.8 +- .5	; 2.5	17.3 +- .6	; 4.8
006	293	1.0	18.0 +- .5	; 2.7	18.5 +- .6	; 4.9
007	275	0.5	17.5 +- .5	; 2.6	17.9 +- .6	; 4.9
008	317	2.0	19.2 +- .6	; 2.9	19.7 +- .7	; 5.0
009	331	1.6	18.1 +- .5	; 2.7	18.7 +- .6	; 4.9
010	358	1.9	17.4 +- .5	; 2.6	17.9 +- .6	; 4.8
011	20	2.6	18.1 +- .5	; 2.7	18.7 +- .6	; 4.9
012	50	2.1	16.5 +- .5	; 2.5	16.9 +- .6	; 4.8
013	82	1.7	17.9 +- .5	; 2.7	18.4 +- .6	; 4.9
014	43	4.1	17.7 +- .5	; 2.7	18.2 +- .6	; 4.9
015	0	4.0	18.4 +- .6	; 2.8	19.0 +- .6	; 4.9
016	20	12.	18.7 +- .6	; 2.8	19.2 +- .6	; 5.0
017	322	7.3	20.6 +- .6	; 3.1	21.3 +- .7	; 5.2
018	292	3.9	18.4 +- .6	; 2.8	18.9 +- .6	; 4.9
019	269	9.9	17.8 +- .5	; 2.7	18.3 +- .6	; 4.9
020	253	4.2	19.7 +- .6	; 2.9	20.3 +- .7	; 5.1
021	232	4.7	18.8 +- .6	; 2.8	19.4 +- .7	; 5.0
022	213	6.1	20.4 +- .6	; 3.1	21.1 +- .7	; 5.1
023	189	6.6	19.9 +- .6	; 3.0	20.5 +- .7	; 5.1
024	166	7.2	17.4 +- .5	; 2.6	17.9 +- .6	; 4.8
025	177	4.1	16.9 +- .5	; 2.5	17.3 +- .6	; 4.8
026	159	4.0	17.7 +- .5	; 2.7	18.2 +- .6	; 4.9
027	138	2.4	17.5 +- .5	; 2.6	18.0 +- .6	; 4.9
028	117	4.4	16.6 +- .5	; 2.5	17.1 +- .6	; 4.8
030	66	2.1	18.5 +- .6	; 2.8	19.0 +- .6	; 4.9
031	336	5.4	19.5 +- .6	; 2.9	20.2 +- .7	; 5.0
032	237	19.	20.3 +- .6	; 3.0	21.0 +- .7	; 5.1
033	237	19.	18.7 +- .6	; 2.8	19.2 +- .6	; 5.0
034	237	19.	19.6 +- .6	; 2.9	20.2 +- .7	; 5.1
035	237	19.	23.1 +- .7	; 3.5	24.0 +- .8	; 5.4
TRANSIT DOSE = .7 +- .2 ; 3.7						

SEABROOK

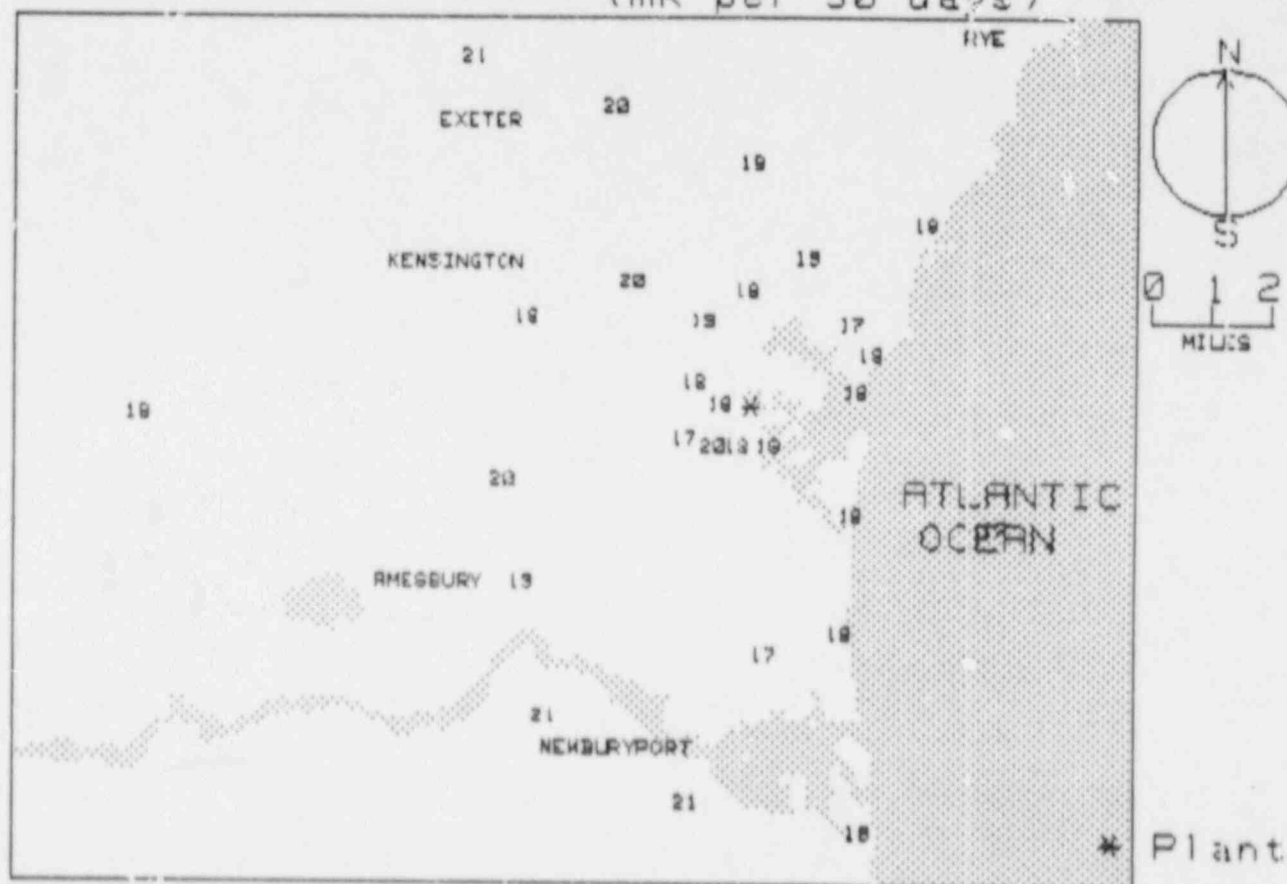
FOR THE PERIOD 880323-880714

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
348.75-11.25 (N)	18.4 $\pm$ .8	2
11.25-33.75 (NNE)	19.0 $\pm$ .4	2
33.75-56.25 (NE)	17.6 $\pm$ .9	2
56.25-78.75 (ENE)	19.0 $\pm$ 0.0	1
78.75-101.25 (E)	18.4 $\pm$ 0.0	1
101.25-123.75 (ESE)	17.1 $\pm$ 0.0	1
123.75-146.25 (SE)	18.0 $\pm$ 0.0	1
146.25-168.75 (SSE)	18.0 $\pm$ .2	3
168.75-191.25 (S)	18.6 $\pm$ 1.7	3
191.25-213.75 (SSW)	19.8 $\pm$ 1.9	2
213.75-236.25 (SW)	19.4 $\pm$ .1	2
236.25-258.75 (WSW)	20.5 $\pm$ 3.4	3
258.75-281.25 (W)	18.2 $\pm$ .2	2
281.25-303.75 (WNW)	18.7 $\pm$ .3	2
303.75-326.25 (NW)	20.6 $\pm$ 1.1	2
326.25-348.75 (NNW)	19.4 $\pm$ 1.1	2

DISTANCE (mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
0-2	18.2 $\pm$ .6	10
2-5	18.5 $\pm$ 1.0	13
>5	20.3 $\pm$ 1.9	8
UPWIND CONTROL DATA	20.2 $\pm$ .9	3

NRC TLD DOSES FOR SEABROOK AREA  
(mR per 90 days)



SEQUOYAH  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 880323-880721 121 DAYS  
 FIELD TIME 93 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)			NET EXPOSURE RATE		
	AZIMUTH (deg.)	DIST (mi.)	+- Rdm; Tot.			mR/Std. Qtr. +- Rdm; Tot.		
001	218	12.	19.6	+-	.6 ; 2.9	17.2	+-	.6 ; 5.1
002	206	13.	16.9	+-	.5 ; 2.5	14.6	+-	.6 ; 4.9
003	203	3.9	23.0	+-	.7 ; 3.4	20.5	+-	.7 ; 5.4
004	199	2.0	19.5	+-	.6 ; 2.9	17.1	+-	.6 ; 5.1
005	181	1.4	24.4	+-	.7 ; 3.7	21.9	+-	.8 ; 5.6
006	153	1.5	13.4	+-	.6 ; 2.8	16.1	+-	.6 ; 5.0
007	139	1.9	17.2	+-	.5 ; 2.6	14.9	+-	.6 ; 5.0
008	115	1.8	17.5	+-	.5 ; 2.6	15.1	+-	.6 ; 5.0
009	84	1.6	15.0	+-	.4 ; 2.2	12.7	+-	.5 ; 4.8
010	66	1.3	18.5	+-	.6 ; 2.8	16.1	+-	.6 ; 5.1
011	45	1.5	18.9	+-	.6 ; 2.8	16.5	+-	.6 ; 5.1
012	14	2.0	21.6	+-	.6 ; 3.2	19.1	+-	.7 ; 5.3
013	2.0	2.1	21.4	+-	.6 ; 3.2	19.0	+-	.7 ; 5.3
014	19	3.9	19.0	+-	.6 ; 2.9	16.6	+-	.6 ; 5.1
015	48	4.0	16.4	+-	.5 ; 2.5	14.1	+-	.6 ; 4.9
016	65	4.9	17.6	+-	.5 ; 2.6	15.3	+-	.6 ; 5.0
017	90	3.9	20.7	+-	.6 ; 3.1	18.2	+-	.7 ; 5.2
018	111	3.4	19.5	+-	.6 ; 2.9	17.1	+-	.6 ; 5.1
019	135	3.4	18.9	+-	.6 ; 2.8	16.5	+-	.6 ; 5.1
020	158	3.4	19.3	+-	.6 ; 2.9	16.9	+-	.6 ; 5.1
021	184	4.6	24.0	+-	.7 ; 3.6	21.5	+-	.7 ; 5.5
022	233	11.	16.5	+-	.5 ; 2.5	14.2	+-	.6 ; 4.9
023	219	4.9	20.5	+-	.6 ; 3.1	18.1	+-	.7 ; 5.2
024	241	4.3	18.9	+-	.6 ; 2.8	16.5	+-	.6 ; 5.1
025	235	2.0	15.6	+-	.5 ; 2.3	13.3	+-	.5 ; 4.8
026	248	1.5	16.8	+-	.5 ; 2.5	14.5	+-	.6 ; 4.9
027	266	1.2	17.1	+-	.5 ; 2.5	14.7	+-	.6 ; 4.9
028	291	1.2	19.0	+-	.6 ; 2.9	16.6	+-	.6 ; 5.1
029	309	1.2	17.8	+-	.5 ; 2.7	15.5	+-	.6 ; 5.0
030	330	0.5	19.9	+-	.6 ; 3.0	17.5	+-	.6 ; 5.2
031	339	1.8	19.2	+-	.6 ; 2.9	16.8	+-	.6 ; 5.1
032	355	4.9	16.9	+-	.5 ; 2.5	14.6	+-	.6 ; 4.9
033	334	3.6	MISSING OR DAMAGED DOSIMETER					
034	317	4.4	18.6	+-	.6 ; 2.8	16.2	+-	.6 ; 5.1
035	277	5.6	19.9	+-	.6 ; 3.0	17.5	+-	.6 ; 5.2
036	283	3.6	16.5	+-	.5 ; 2.5	14.2	+-	.6 ; 4.9
037	273	4.4	17.8	+-	.5 ; 2.7	15.5	+-	.6 ; 5.0
038	382	19.	17.2	+-	.5 ; 2.6	14.8	+-	.6 ; 5.0
039	298	18	MISSING OR DAMAGED DOSIMETER					
040	289	18	17.9	+-	.5 ; 2.7	15.5	+-	.6 ; 5.0
041	318	6.1	17.9	+-	.5 ; 2.7	15.5	+-	.6 ; 5.0
TRANSIT DOSE =			1.8	+-	.3 ; 4.4			



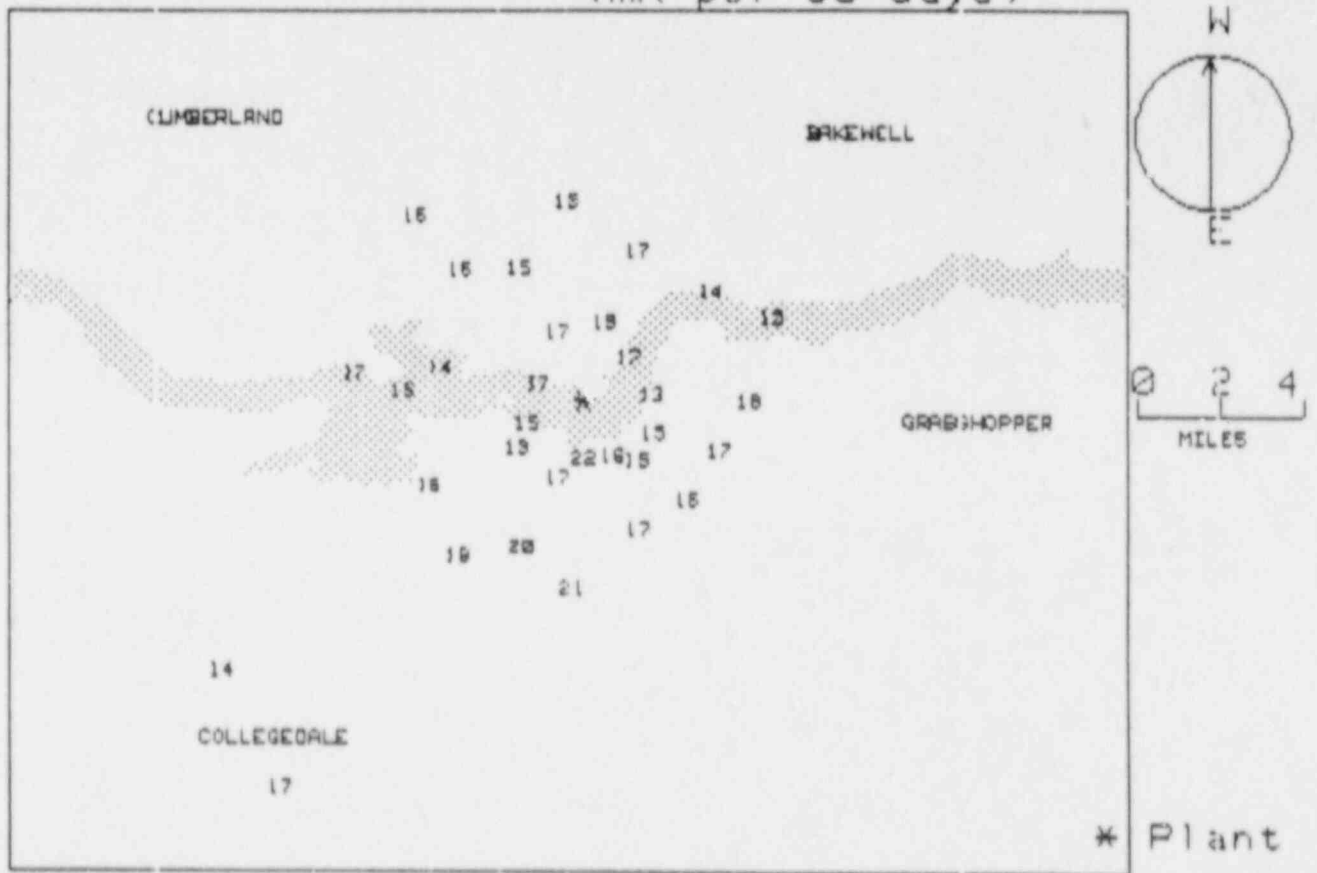
SEQUOYAH  
FOR THE PERIOD 880323-880721

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
348.75-11.25 (N)	16.8 $\pm$ 3.1	2
11.25-33.75 (NNE)	17.9 $\pm$ 1.8	2
33.75-56.25 (NE)	15.3 $\pm$ 1.7	2
56.25-78.75 (ENE)	15.7 $\pm$ .6	2
78.75-101.25 (E)	15.5 $\pm$ 3.9	2
101.25-123.75 (ESE)	16.1 $\pm$ 1.4	2
123.75-146.25 (SE)	15.7 $\pm$ 1.1	2
146.25-168.75 (SSE)	16.5 $\pm$ .6	2
168.75-191.25 (S)	21.7 $\pm$ .3	2
191.25-213.75 (SSW)	17.4 $\pm$ 2.9	3
213.75-236.25 (SW)	15.7 $\pm$ 2.2	4
236.25-258.75 (WSW)	15.5 $\pm$ 1.4	2
258.75-281.25 (W)	15.9 $\pm$ 1.4	3
281.25-303.75 (WNW)	15.4 $\pm$ 1.7	2
303.75-326.25 (NW)	15.7 $\pm$ .4	3
326.25-348.75 (NNW)	17.1 $\pm$ .4	2

DISTANCE(mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
0-2	16.2 $\pm$ 2.2	18
2-5	16.9 $\pm$ 2.1	18
>5	15.8 $\pm$ 1.5	5
UPWIND CONTROL DATA	15.2 $\pm$ .5	2

NRC TLD DOSES FOR SEQUOYAH AREA  
(mR per 90 days)



SHOREHAM  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 880324-880726 125 DAYS  
 FIELD TIME 100 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE(mR)		NET EXPOSURE RATE	
	AZIMUTH/ (deg.)	DIST (mi.)	+ - Rdm; Tot.		mR/Std.Qtr. + - Rdm; Tot.	
012	75	1.6	17.4 +- .5	; 2.6	13.4 +- .6	; 5.0
013	88	2.1	18.4 +- .6	; 2.8	14.3 +- .6	; 5.1
014	119	4.6	16.6 +- .5	; 2.5	12.7 +- .5	; 5.0
015	110	10.	17.5 +- .5	; 2.6	13.5 +- .6	; 5.0
016	138	14.	17.8 +- .5	; 2.6	13.1 +- .5	; 5.0
017	162	12.	17.0 +- .5	; 2.5	13.1 +- .5	; 5.0
018	174	11.	16.4 +- .5	; 2.5	12.5 +- .5	; 4.9
019	189	5.1	16.9 +- .5	; 2.5	13.8 +- .5	; 5.0
021	163	2.5	16.2 +- .5	; 2.4	12.4 +- .5	; 4.9
022	149	1.5	MISSING OR DAMAGED DOSIMETER			
023	177	1.3	MISSING OR DAMAGED DOSIMETER			
024	196	1.2	16.8 +- .5	; 2.5	12.9 +- .5	; 5.0
025	217	1.5	16.6 +- .5	; 2.5	12.7 +- .5	; 5.0
026	215	4.6	15.9 +- .5	; 2.4	12.1 +- .5	; 4.9
027	205	4.2	17.5 +- .5	; 2.6	13.5 +- .6	; 5.0
028	233	11	16.5 +- .5	; 2.5	12.6 +- .5	; 5.0
029	224	13.	MISSING OR DAMAGED DOSIMETER			
030	202	14.	17.1 +- .5	; 2.6	13.1 +- .5	; 5.0
031	210	15.	15.1 +- .5	; 2.3	11.4 +- .5	; 4.9
032	210	15.	15.9 +- .5	; 2.4	12.1 +- .5	; 4.9
033	210	15.	17.2 +- .5	; 2.6	13.3 +- .5	; 5.0
034	27	.1	16.7 +- .5	; 2.5	12.8 +- .5	; 5.0
035	58	.3	17.6 +- .5	; 2.6	13.6 +- .6	; 5.0
036	133	3.9	18.2 +- .5	; 2.7	14.1 +- .6	; 5.1
TRANSIT DOSE =			2.5 +- .3	; 4.9		

SHOREHAM  
FOR THE PERIOD 880324-880726

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
348.75-11.25 (N)	NO DATA+-NO DATA	0
11.25-33.75 (NNE)	12.8 $\pm$ 0.0	1
33.75-56.25 (NE)	13.6 $\pm$ 0.0	1
56.25-78.75 (ENE)	13.4 $\pm$ 0.0	1
78.75-101.25 (E)	14.3 $\pm$ 0.0	1
101.25-123.75 (ESE)	13.1 $\pm$ .5	2
123.75-146.25 (SE)	13.6 $\pm$ .7	2
146.25-168.75 (SSE)	12.7 $\pm$ .5	2
168.75-191.25 (S)	12.7 $\pm$ .3	2
191.25-213.75 (SSW)	13.2 $\pm$ .3	3
213.75-236.25 (SW)	12.5 $\pm$ .3	3
236.25-258.75 (WSW)	NO DATA+-NO DATA	0
258.75-281.25 (W)	NO DATA+-NO DATA	0
281.25-303.75 (WNW)	NO DATA+-NO DATA	0
303.75-326.25 (NW)	NO DATA+-NO DATA	0
326.25-348.75 (NNW)	NO DATA+-NO DATA	0

DISTANCE(mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
0-2	13.1 $\pm$ .4	5
2-5	13.2 $\pm$ .9	6
>5	13.0 $\pm$ .3	7
UPWIND CONTROL DATA	12.2 $\pm$ 1.0	3



S. TEXAS

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

FOR THE PERIOD 880717-880726 132 DAYS

FIELD TIME 99 DAYS

NRC STATION	LOCATION		GROSS		NET EXPOSURE RATE
	AZIMUTH (deg.)	DIST (mi.)	EXPOSURE (mR)	+ - Rdm; Tot.	mR/Std. Qtr. + - Rdm; Tot.
001	98	1	25.0 +- .7	; 3.7	NO NET DATA
002	63	1	23.0 +- .7	; 3.5	NO NET DATA
003	48	1	24.6 +- .7	; 3.7	NO NET DATA
004	19	1	MISSING OR DAMAGED DOSIMETER		
005	4	.9	21.3 +- .6	; 3.2	NO NET DATA
006	339	.9	22.5 +- .7	; 3.4	NO NET DATA
007	318	1	20.4 +- .6	; 3.1	NO NET DATA
008	294	1.1	25.1 +- .8	; 3.8	NO NET DATA
009	267	1.3	23.9 +- .7	; 3.6	NO NET DATA
010	126	.3	20.3 +- .6	; 3.0	NO NET DATA
011	188	.1	19.0 +- .6	; 2.8	NO NET DATA
012	257	.5	20.5 +- .6	; 3.1	NO NET DATA
013	262	.9	20.4 +- .6	; 3.1	NO NET DATA
014	258	1.3	20.5 +- .6	; 3.1	NO NET DATA
015	227	2.4	19.7 +- .6	; 2.9	NO NET DATA
016	218	3.7	19.1 +- .6	; 2.9	NO NET DATA
017	175	3.6	18.5 +- .6	; 2.8	NO NET DATA
018	158	3.7	19.0 +- .6	; 2.8	NO NET DATA
019	143	3.3	18.9 +- .6	; 2.8	NO NET DATA
020	122	2.3	19.2 +- .6	; 2.9	NO NET DATA
021	121	1.1	19.4 +- .6	; 2.9	NO NET DATA
022	257	2.5	20.0 +- .6	; 3.0	NO NET DATA
023	262	4.5	24.8 +- .7	; 3.7	NO NET DATA
024	282	4.7	21.8 +- .7	; 3.3	NO NET DATA
025	304	5.8	21.0 +- .6	; 3.2	NO NET DATA
026	242	5.4	21.0 +- .6	; 3.1	NO NET DATA
027	223	5	21.0 +- .6	; 3.1	NO NET DATA
028	236	9.6	18.2 +- .5	; 2.7	NO NET DATA
029	259	10.	21.1 +- .6	; 3.2	NO NET DATA
030	291	6.2	24.0 +- .7	; 3.6	NO NET DATA
031	323	7.8	22.0 +- .7	; 3.3	NO NET DATA
032	335	7.4	26.2 +- .8	; 3.9	NO NET DATA
033	351	5.5	19.8 +- .6	; 3.0	NO NET DATA
034	88	4.4	21.9 +- .7	; 3.3	NO NET DATA
035	89	6.7	18.0 +- .6	; 2.8	NO NET DATA
036	121	3.9	20.6 +- .6	; 3.1	NO NET DATA
037	145	8.8	19.4 +- .6	; 2.9	NO NET DATA
038	297	12.	19.2 +- .6	; 2.9	NO NET DATA
039	321	9.3	22.4 +- .7	; 3.4	NO NET DATA
040	353	12.	19.3 +- .6	; 2.9	NO NET DATA
041	18	13.	20.3 +- .6	; 3.0	NO NET DATA
042	21	5.7	22.0 +- .7	; 3.3	NO NET DATA
043	39	5.8	21.6 +- .6	; 3.2	NO NET DATA
044	53	5.1	25.3 +- .8	; 3.8	NO NET DATA
045	69	7.3	20.5 +- .6	; 3.1	NO NET DATA
046	66	17.	MISSING OR DAMAGED DOSIMETER		

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

S. TEXAS  
FOR THE PERIOD 880317-880726

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
348.75-11.25 (N)	14.8 $\pm$ .7	2
11.25-33.75 (NNE)	15.0 $\pm$ 0.0	1
33.75-56.25 (NE)	16.2 $\pm$ 1.3	3
56.25-78.75 (ENE)	14.8 $\pm$ 1.2	2
78.75-101.25 (E)	14.9 $\pm$ 2.1	3
101.25-123.75 (ESE)	13.4 $\pm$ .5	3
123.75-146.25 (SE)	13.3 $\pm$ .5	3
146.25-168.75 (SSE)	12.8 $\pm$ 0.0	1
168.75-191.25 (S)	12.8 $\pm$ .2	2
191.25-213.75 (SSW)	13.0 $\pm$ 0.0	1
213.75-236.25 (SW)	13.4 $\pm$ .9	3
236.25-258.75 (WSW)	14.0 $\pm$ .3	4
258.75-281.25 (W)	15.4 $\pm$ 1.5	4
281.25-303.75 (WNW)	16.1 $\pm$ 1.1	3
303.75-326.25 (NW)	14.6 $\pm$ .8	4
326.25-348.75 (NNW)	16.6 $\pm$ 1.8	2

DISTANCE(mi) FROM THE REACTOR	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
0-2	14.9 $\pm$ 1.5	14
2-5	13.9 $\pm$ 1.2	12
>5	14.7 $\pm$ 1.5	15
UPWIND CONTROL DATA	13.3 $\pm$ .4	3





SUMMER  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 880323-880719 119 DAYS  
 FIELD TIME 88 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)			NET EXPOSURE RATE		
	AZIMUTH (deg.)	DIST (mi.)	+- Rdm; Tot.			mR/Std. Qtr. +- Rdm; Tot.		
001	199	3.7	27.2	+-	.8 ; 4.1	22.8	+-	.9 ; 6.8
002	111	1.0	23.1	+-	.7 ; 3.5	18.6	+-	.8 ; 6.4
003	340	4.1	26.0	+-	.8 ; 3.9	21.6	+-	.9 ; 6.7
004	192	9.3	25.3	+-	.8 ; 3.8	20.8	+-	.9 ; 6.6
005	72	1.8	23.7	+-	.7 ; 3.6	19.2	+-	.8 ; 6.5
006	54	1.5	25.8	+-	.8 ; 3.9	21.3	+-	.9 ; 6.7
007	46	3.0	32.2	+-	1.0 ; 4.8	27.9	+-	1.1 ; 7.3
008	31	3.0	29.9	+-	.9 ; 4.5	25.5	+-	1.0 ; 7.1
009	13	3.9	31.6	+-	.9 ; 4.7	27.3	+-	1.0 ; 7.2
010	7	4.0	29.6	+-	.9 ; 4.4	25.2	+-	1.0 ; 7.0
011	349	4.3	26.7	+-	.8 ; 4.0	22.3	+-	.9 ; 6.8
012	323	5.0	MISSING OR DAMAGED DOSIMETER					
013	333	3.0	30.7	+-	.9 ; 4.6	26.3	+-	1.0 ; 7.1
014	255	2.8	24.3	+-	.7 ; 3.6	19.9	+-	.8 ; 6.5
015	308	5.6	32.9	+-	1.0 ; 4.9	28.6	+-	1.1 ; 7.4
016	64	3.5	30.7	+-	.9 ; 4.6	26.3	+-	1.0 ; 7.1
017	98	3.1	28.0	+-	.8 ; 4.2	23.6	+-	.9 ; 6.9
018	114	3.5	28.5	+-	.9 ; 4.3	24.1	+-	.9 ; 6.9
019	132	2.0	24.5	+-	.7 ; 3.7	20.0	+-	.8 ; 6.6
020	152	4.5	15.7	+-	.5 ; 2.3	11.0	+-	.6 ; 5.9
021	133	4.1	20.7	+-	.6 ; 3.1	16.1	+-	.7 ; 6.2
022	157	2.4	23.1	+-	.7 ; 3.5	18.6	+-	.8 ; 6.4
023	173	2.4	25.5	+-	.8 ; 3.8	21.0	+-	.9 ; 6.6
024	185	3.9	23.4	+-	.7 ; 3.5	18.9	+-	.8 ; 6.5
025	210	3.3	24.7	+-	.7 ; 3.7	20.2	+-	.8 ; 6.6
026	217	3.3	21.9	+-	.7 ; 3.3	17.4	+-	.8 ; 6.3
027	231	3.1	18.3	+-	.5 ; 2.7	13.7	+-	.7 ; 6.1
028	267	2.7	26.1	+-	.8 ; 3.9	21.7	+-	.9 ; 6.7
029	276	3.4	28.9	+-	.9 ; 4.3	24.6	+-	1.0 ; 7.0
030	233	3.8	26.9	+-	.8 ; 4.0	22.5	+-	.9 ; 6.8
031	244	3.6	MISSING OR DAMAGED DOSIMETER					
032	247	6.2	26.1	+-	.8 ; 3.9	21.6	+-	.9 ; 6.7
033	218	9.0	23.9	+-	.7 ; 3.6	19.4	+-	.8 ; 6.5
034	192	9.3	25.9	+-	.8 ; 3.9	21.5	+-	.9 ; 6.7
035	184	14.	20.0	+-	.6 ; 3.0	15.5	+-	.7 ; 6.2
036	183	15'	20.9	+-	.6 ; 3.1	16.4	+-	.7 ; 6.3
037	182	15'	16.4	+-	.5 ; 2.5	11.7	+-	.6 ; 5.9
038	148	21'	24.0	+-	.7 ; 3.6	19.5	+-	.8 ; 6.5
039	14'	25.	29.1	+-	.9 ; 4.4	24.8	+-	1.0 ; 7.0
040	135	23.	22.5	+-	.7 ; 3.4	18.0	+-	.8 ; 6.4
TRANSIT DOSE =			4.9	+-	.4 ; 5.3			

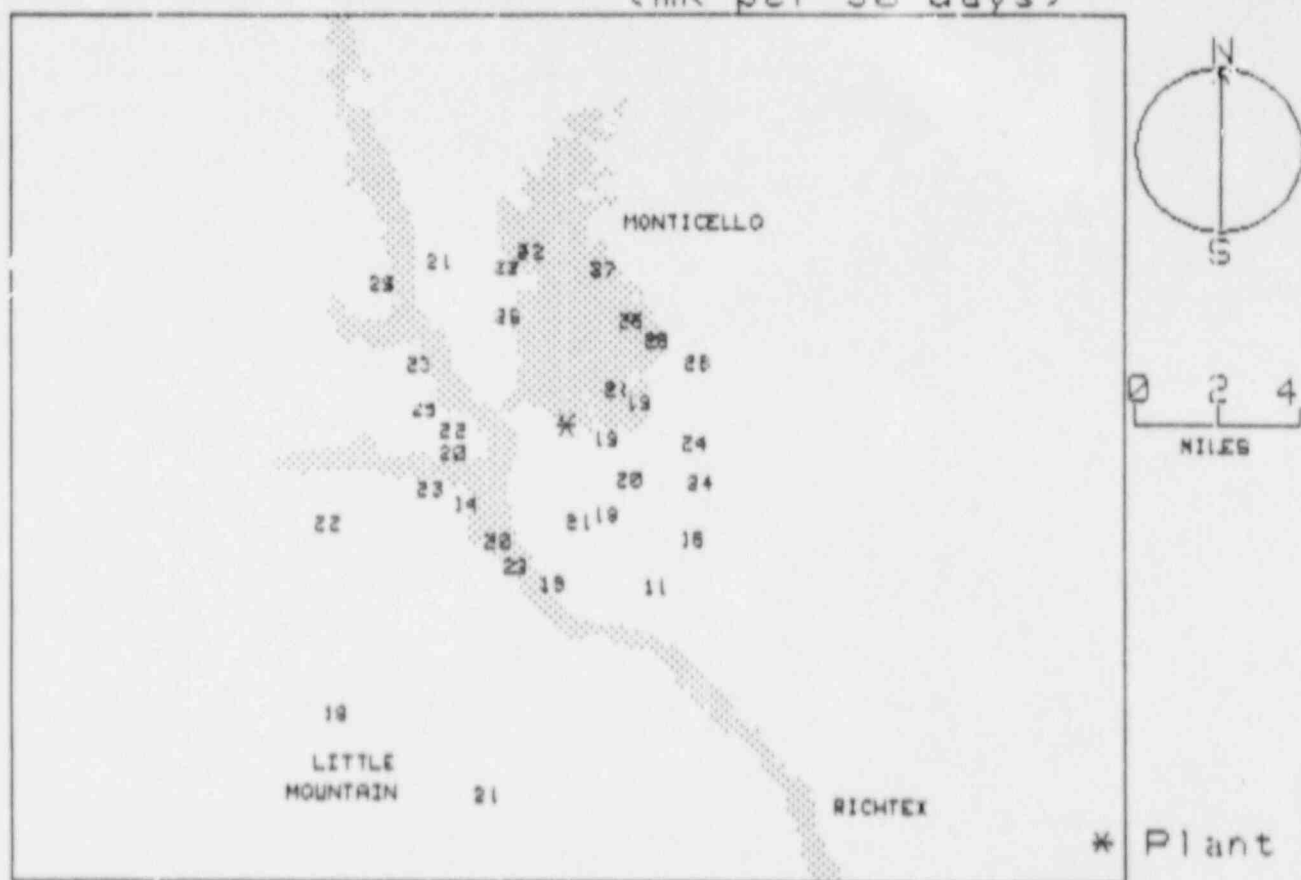
SUMMER  
FOR THE PERIOD 880323-880719

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
348.75-11.25 (N)	23.7 $\pm$ 2.1	2
11.25-33.75 (NNE)	25.8 $\pm$ 1.3	3
33.75-56.25 (NE)	24.6 $\pm$ 4.7	2
56.25-78.75 (ENE)	22.8 $\pm$ 5.0	2
78.75-101.25 (E)	23.6 $\pm$ 0.0	1
101.25-123.75 (ESE)	21.3 $\pm$ 3.9	2
123.75-146.25 (SE)	18.0 $\pm$ 1.9	3
146.25-168.75 (SSE)	16.4 $\pm$ 4.7	3
168.75-191.25 (S)	20.0 $\pm$ 1.5	2
191.25-213.75 (SSW)	21.3 $\pm$ 1.1	4
213.75-236.25 (SW)	16.8 $\pm$ 2.9	3
236.25-258.75 (WSW)	20.7 $\pm$ 1.3	2
258.75-281.25 (W)	23.1 $\pm$ 2.0	2
281.25-303.75 (WNW)	22.5 $\pm$ 0.0	1
303.75-326.25 (NW)	28.6 $\pm$ 0.0	1
326.25-348.75 (NNW)	24.0 $\pm$ 3.4	2

DISTANCE (mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
0-2	19.8 $\pm$ 1.2	4
2-5	21.7 $\pm$ 4.3	23
>5	21.8 $\pm$ 3.4	8
UPWIND CONTROL DATA	14.5 $\pm$ 2.5	3

NRC TLD DOSES FOR SUMMER AREA  
(mR per 90 days)



SURREY

TLD DIRECT READING ENVIRONMENTAL MONITORING

FOR THE PERIOD 883323-880726 126 DAYS

FIELD TIME 92 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)		NET EXPOSURE RATE		
	AZIMUTH (deg.)	DIST (mi.)	+ -	Rdm; Tot.	mR/Std. Qtr.	+ -	Rdm; Tot.
001	11	19'	20.3	+- .6 ; 2.0	16.6	+- .7 ;	5.6
002	129	17.	21.8	+- .7 ; 2.3	18.0	+- .7 ;	5.7
003	162	17.	MISSING OR DAMAGED DOSIMETER				
004	162	17.	16.4	+- .5 ; 2.5	12.8	+- .6 ;	5.3
005	156	5.1	21.7	+- .7 ; 3.3	18.0	+- .7 ;	5.7
006	189	4.1	18.9	+- .6 ; 2.8	15.2	+- .6 ;	5.5
007	202	2.2	18.5	+- .6 ; 2.8	14.8	+- .6 ;	5.5
008	183	1.6	20.7	+- .6 ; 3.1	17.0	+- .7 ;	5.7
009	243	0.2	23.9	+- .7 ; 3.6	20.1	+- .8 ;	5.9
010	269	0.1	26.0	+- .8 ; 3.9	22.2	+- .8 ;	6.1
011	304	0.1	26.6	+- .8 ; 4.0	22.8	+- .8 ;	6.2
012	334	0.2	26.3	+- .8 ; 3.9	22.4	+- .8 ;	6.1
013	10	1.2	19.2	+- .6 ; 2.9	15.5	+- .6 ;	5.5
014	21	2.0	20.0	+- .6 ; 3.0	16.3	+- .7 ;	5.6
015	203	4.5	19.1	+- .6 ; 2.9	15.4	+- .6 ;	5.5
016	224	3.7	17.9	+- .5 ; 2.7	14.2	+- .6 ;	5.4
017	212	2.0	20.6	+- .6 ; 3.1	16.9	+- .7 ;	5.6
018	248	5.1	17.9	+- .5 ; 2.7	14.2	+- .6 ;	5.4
019	259	0.1	18.9	+- .6 ; 2.8	15.2	+- .6 ;	5.5
020	285	5.0	14.6	+- .4 ; 2.2	11.2	+- .5 ;	5.2
021	270	4.1	22.1	+- .7 ; 3.3	18.3	+- .7 ;	5.8
022	123	13.	27.2	+- .8 ; 4.1	23.4	+- .9 ;	6.2
023	182	11.	27.2	+- .8 ; 4.1	23.4	+- .9 ;	6.2
024	186	4.9	21.7	+- .7 ; 3.3	18.0	+- .7 ;	5.7
025	90	5.2	21.0	+- .6 ; 3.2	17.3	+- .7 ;	5.7
026	69	5.1	25.6	+- .8 ; 3.8	21.0	+- .8 ;	6.1
027	23	5.3	21.6	+- .6 ; 3.2	17.0	+- .7 ;	5.7
028	49	5.0	22.1	+- .7 ; 3.3	18.4	+- .7 ;	5.8
029	7.0	6.6	21.9	+- .7 ; 3.3	18.1	+- .7 ;	5.7
030	359	6.5	20.2	+- .6 ; 3.0	16.5	+- .7 ;	5.6
031	1.0	4.6	26.5	+- .8 ; 4.0	22.7	+- .8 ;	6.2
032	332	3.0	20.0	+- .6 ; 3.1	17.1	+- .7 ;	5.7
033	314	5.4	21.6	+- .6 ; 3.2	17.9	+- .7 ;	5.7
034	308	6.4	18.5	+- .6 ; 2.8	14.8	+- .6 ;	5.5
035	348	5.3	18.0	+- .6 ; 2.8	15.2	+- .6 ;	5.5
036	34	15'	19.5	+- .6 ; 2.9	15.0	+- .7 ;	5.6
037	340	15.	18.6	+- .6 ; 2.8	15.0	+- .6 ;	5.5
038	339	16.	18.5	+- .6 ; 2.8	14.8	+- .6 ;	5.5
039	153	1.9	21.3	+- .6 ; 3.2	17.6	+- .7 ;	5.7
040	144	2.1	19.7	+- .6 ; 3.0	16.2	+- .7 ;	5.6

TRANSIT DOSE = 3.3 +- .3 ; 4.9

SUPPLY  
FOR THE PERIOD 880323-880726

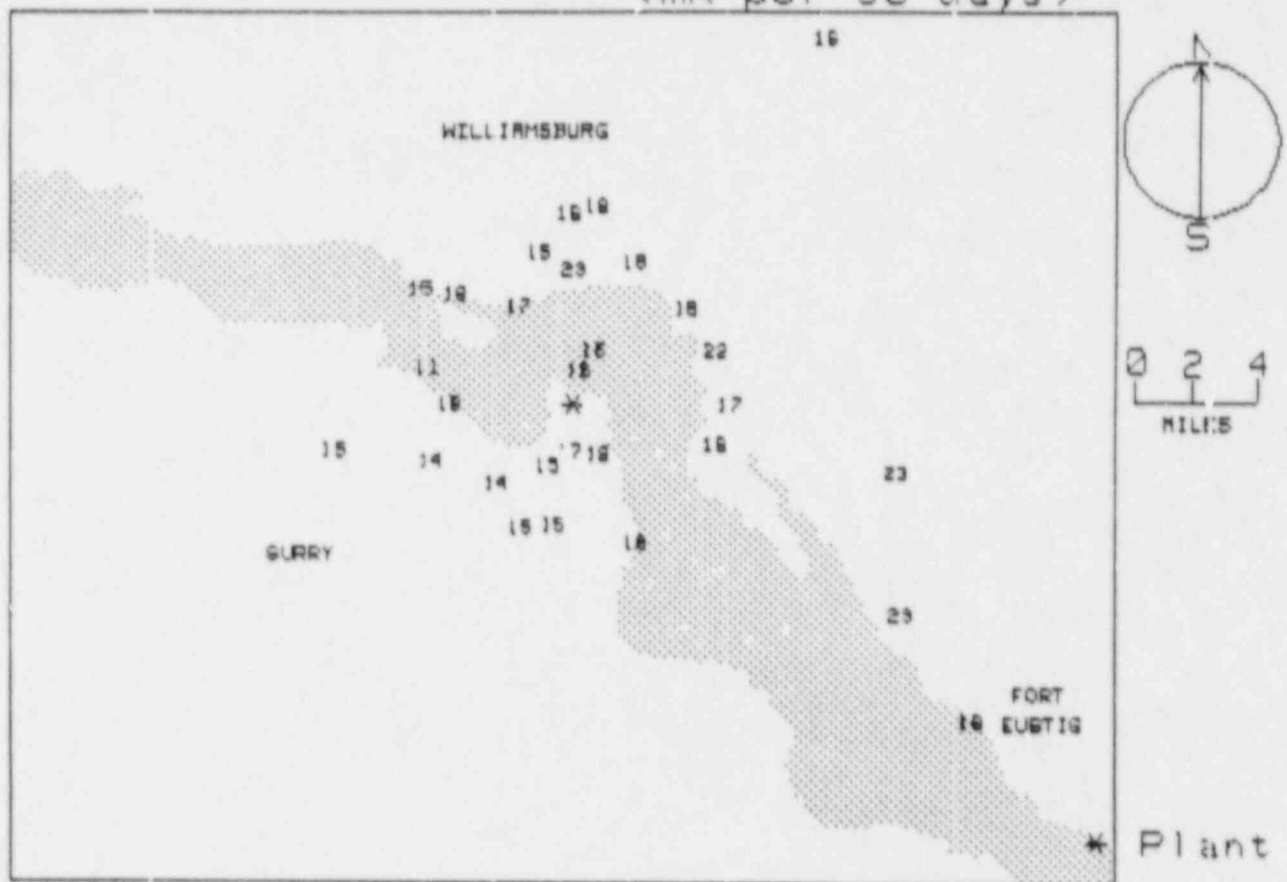
## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (Deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
348.75-11.25 (N)	17.9 $\pm$ 2.8	5
11.25-33.75 (NNE)	17.1 $\pm$ 1.1	2
33.75-56.25 (NE)	18.4 $\pm$ 8.0	1
56.25-78.75 (ENE)	21.8 $\pm$ 8.0	1
78.75-101.25 (E)	17.3 $\pm$ 8.0	1
101.25-123.75 (ESE)	21.8 $\pm$ 3.1	3
123.75-146.25 (SE)	17.1 $\pm$ 1.3	2
146.25-168.75 (SSE)	16.1 $\pm$ 2.9	3
168.75-191.25 (S)	16.1 $\pm$ 1.3	2
191.25-213.75 (SSW)	15.7 $\pm$ 1.1	3
213.75-236.25 (SW)	14.2 $\pm$ 8.0	1
236.25-258.75 (WSW)	17.2 $\pm$ 4.2	2
258.75-281.25 (W)	18.6 $\pm$ 3.5	3
281.25-303.75 (WNW)	11.2 $\pm$ 8.0	1
303.75-326.25 (NW)	18.5 $\pm$ 4.0	3
326.25-348.75 (NNW)	18.2 $\pm$ 3.6	3

DISTANCE(mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
0-2	19.0 $\pm$ 2.8	9
2-5	16.5 $\pm$ 2.9	11
>5	17.6 $\pm$ 3.1	16
UPWIND CONTROL DATA	15.2 $\pm$ .5	9

## NRC TLD DOSES FOR SURRY AREA

(mR per 90 days)



SUSQUEHANNA  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 880324-880714 113 DAYS  
 FIELD TIME 85 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)			NET EXPOSURE RATE mR/Std.Qtr.		
	AZIMUTH (deg.)	DIST (mi.)	+-	Rdm	Tot.	+-	Rdm	Tot.
001	19	1.4	20.1	+-	.6 ; 3.0	19.6	+-	.7 ; 5.3
002	0	1.4	19.3	+-	.6 ; 2.9	18.8	+-	.7 ; 5.2
003	333	1.7	19.1	+-	.6 ; 2.9	18.6	+-	.7 ; 5.2
004	318	1.7	18.8	+-	.5 ; 2.7	17.4	+-	.6 ; 5.1
005	287	1.7	19.0	+-	.6 ; 2.9	18.5	+-	.7 ; 5.2
006	270	1.3	20.4	+-	.6 ; 3.1	19.9	+-	.7 ; 5.3
007	239	1.8	18.3	+-	.5 ; 2.7	17.7	+-	.6 ; 5.1
008	217	2	21.1	+-	.6 ; 3.2	20.6	+-	.7 ; 5.4
009	200	1.4	19.9	+-	.6 ; 3.0	19.4	+-	.7 ; 5.3
010	175	1.2	17.7	+-	.5 ; 2.7	17.1	+-	.6 ; 5.1
011	243	5.1	19.0	+-	.6 ; 2.9	18.5	+-	.7 ; 5.2
012	252	4.7	18.3	+-	.5 ; 2.7	17.7	+-	.6 ; 5.1
013	274	3.4	20.8	+-	.6 ; 3.1	20.3	+-	.7 ; 5.4
014	286	3.6	20.4	+-	.6 ; 3.1	19.9	+-	.7 ; 5.3
015	2	3.8	20.0	+-	.6 ; 3.0	19.5	+-	.7 ; 5.3
016	334	4.1	19.9	+-	.6 ; 3.0	19.4	+-	.7 ; 5.3
017	312	4.4	19.4	+-	.6 ; 2.9	18.9	+-	.7 ; 5.2
018	32	4.9	19.8	+-	.6 ; 3.0	19.3	+-	.7 ; 5.3
019	45	9.9	21.4	+-	.6 ; 3.2	21.0	+-	.7 ; 5.4
020	65	4.8	21.7	+-	.6 ; 3.2	21.2	+-	.7 ; 5.5
021	44	3.1	21.3	+-	.6 ; 3.2	20.8	+-	.7 ; 5.4
022	47	.7	17.7	+-	.5 ; 2.7	17.1	+-	.6 ; 5.1
023	65	1.2	17.3	+-	.5 ; 2.6	16.7	+-	.6 ; 5.1
024	87	1.4	19.3	+-	.6 ; 2.9	18.8	+-	.7 ; 5.2
025	108	1.4	20.3	+-	.6 ; 3.0	19.8	+-	.7 ; 5.3
026	137	1.5	19.3	+-	.6 ; 2.9	18.8	+-	.7 ; 5.2
027	152	1.5	19.8	+-	.6 ; 3.0	19.3	+-	.7 ; 5.3
028	188	3.7	20.2	+-	.6 ; 3.0	19.7	+-	.7 ; 5.3
029	182	4.3	20.3	+-	.6 ; 3.0	19.8	+-	.7 ; 5.3
030	140	4.3	21.1	+-	.6 ; 3.2	20.6	+-	.7 ; 5.4
031	162	3.4	22.0	+-	.7 ; 3.3	21.5	+-	.8 ; 5.5
032	176	3.5	21.2	+-	.6 ; 3.2	20.8	+-	.7 ; 5.4
033	192	3.1	22.2	+-	.7 ; 3.3	21.8	+-	.8 ; 5.5
034	231	4.4	19.9	+-	.6 ; 3.0	19.4	+-	.7 ; 5.3
035	134	12.	21.1	+-	.6 ; 3.2	20.6	+-	.7 ; 5.4
036	114	13.	22.4	+-	.7 ; 3.4	22.1	+-	.8 ; 5.5
037	158	15.	20.0	+-	.6 ; 3.0	19.5	+-	.7 ; 5.3

TRANSIT DOSE = 1.6 +- .3 ; 4.0

SUSQUEHANNA  
FOR THE PERIOD 880324-880714

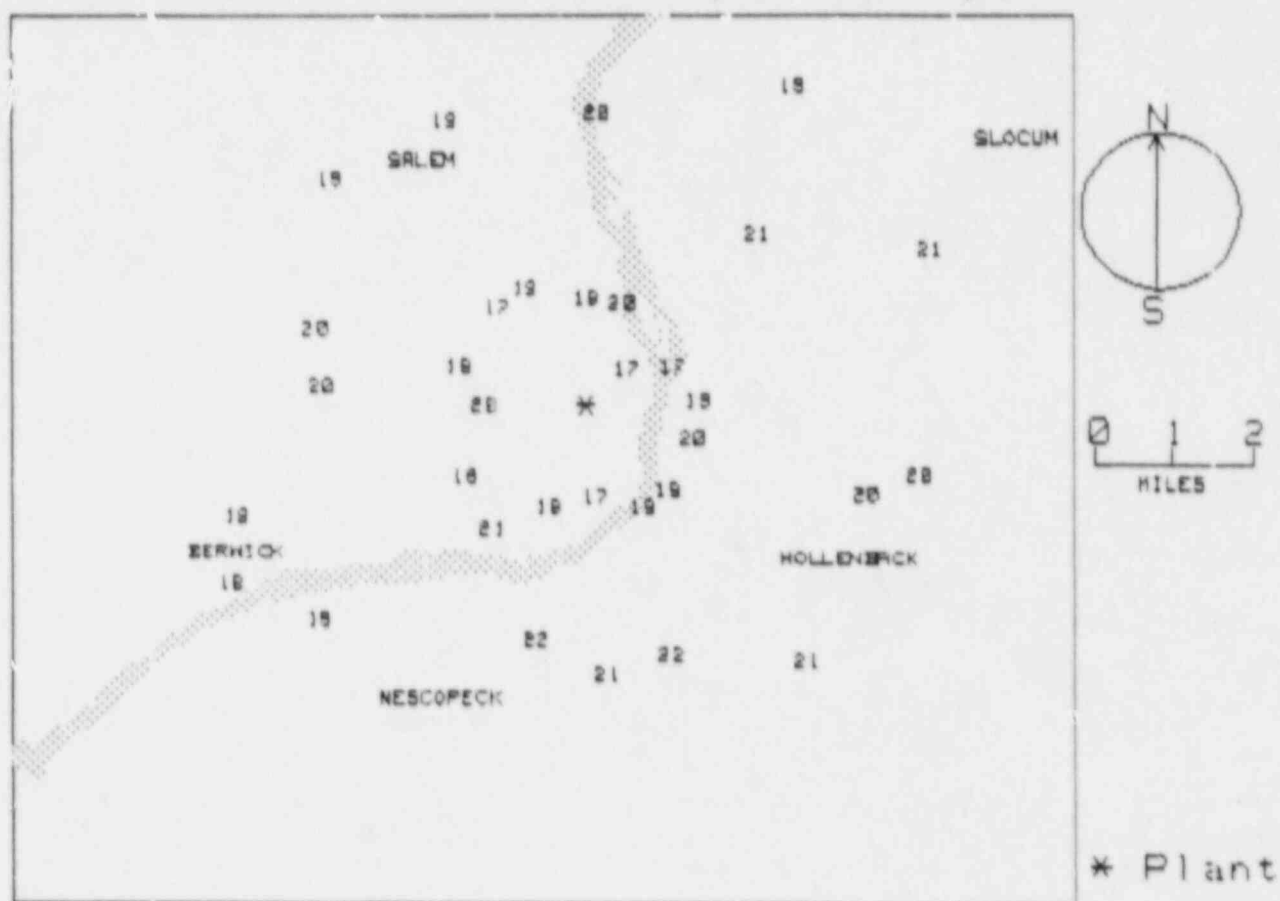
## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
348.75-11.25 (N)	19.2 $\pm$ .5	2
11.25-33.75 (NNE)	19.4 $\pm$ .2	2
33.75-56.25 (NE)	19.6 $\pm$ 2.2	3
56.25-78.75 (ENE)	19.8 $\pm$ 3.3	2
78.75-101.25 (E)	18.8 $\pm$ 8.8	1
101.25-123.75 (ESE)	19.8 $\pm$ .1	3
123.75-146.25 (SE)	19.7 $\pm$ 1.3	2
146.25-168.75 (SSE)	20.5 $\pm$ 1.6	2
168.75-191.25 (S)	18.9 $\pm$ 2.6	2
191.25-213.75 (SSW)	20.6 $\pm$ 1.7	2
213.75-236.25 (SW)	20.8 $\pm$ .9	2
236.25-258.75 (WSW)	17.9 $\pm$ .5	3
258.75-281.25 (W)	20.1 $\pm$ .3	2
281.25-303.75 (WNW)	19.2 $\pm$ 1.0	2
303.75-326.25 (NW)	18.1 $\pm$ 1.0	2
326.25-348.75 (NNW)	19.8 $\pm$ .6	3

DISTANCE (mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
0-2	18.6 $\pm$ 1.2	16
2-5	20.1 $\pm$ 1.1	16
>5	19.7 $\pm$ 1.6	2
UPWIND CONTROL DATA	20.7 $\pm$ 1.3	3



NRC TLD DOSES FOR SUSQUEHANNA AREA  
(mR per 90 days)



THREE MILE ISLAND  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 880324-880714 113 DAYS  
 FIELD TIME 86 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)		NET EXPOSURE RATE	
	AZIMUTH (deg.)	DIST (mi.)	+ -	Rdm; Tot.	mR/Std. Qtr.	+ - Rdm; Tot.
001	95	5.9	16.6	+ - .5 ; 2.5	13.3	+ - .6 ; 5.7
002	101	3.9	18.7	+ - .6 ; 2.8	15.5	+ - .7 ; 5.8
003	109	2.7	13.6	+ - .4 ; 2.8	10.1	+ - .5 ; 5.5
004	163	1.8	17.8	+ - .5 ; 2.6	13.7	+ - .6 ; 5.7
005	161	2.2	16.5	+ - .5 ; 2.5	13.2	+ - .6 ; 5.7
006	158	1	16.6	+ - .5 ; 2.5	13.3	+ - .6 ; 5.7
007	136	.6	15.2	+ - .5 ; 2.3	11.8	+ - .6 ; 5.6
008	83	.4	19.3	+ - .6 ; 2.9	16.1	+ - .7 ; 5.9
009	68	.5	16.5	+ - .5 ; 2.5	13.2	+ - .6 ; 5.7
010	1	1.7	15.6	+ - .5 ; 2.3	12.3	+ - .6 ; 5.6
011	25	.9	16.2	+ - .5 ; 2.4	12.9	+ - .6 ; 5.7
012	46	2.8	15.9	+ - .5 ; 2.4	12.6	+ - .6 ; 5.6
013	19	5.2	16.8	+ - .5 ; 2.5	13.5	+ - .6 ; 5.7
014	358	2.5	14.7	+ - .4 ; 2.2	11.3	+ - .6 ; 5.5
015	133	9.8	19.8	+ - .6 ; 2.9	15.7	+ - .7 ; 5.9
016	8	3.1	15.4	+ - .5 ; 2.3	12.6	+ - .6 ; 5.6
018	349	3.5	19.7	+ - .6 ; 2.9	16.5	+ - .7 ; 5.9
019	343	3.2	17.8	+ - .5 ; 2.7	14.5	+ - .7 ; 5.8
020	318	5	16.6	+ - .5 ; 2.5	13.3	+ - .6 ; 5.7
021	348	1.3	13.8	+ - .4 ; 2.1	10.3	+ - .6 ; 5.5
022	17	3.1	16.5	+ - .5 ; 2.5	13.2	+ - .6 ; 5.7
023	64	3.8	14.5	+ - .4 ; 2.2	11.1	+ - .6 ; 5.5
024	44	3.6	18.4	+ - .6 ; 2.8	15.2	+ - .7 ; 5.8
025	335	0.5	17.5	+ - .5 ; 2.6	14.3	+ - .6 ; 5.7
027	886	7.4	17.5	+ - .6 ; 3.2	13.5	+ - .6 ; 6.1
029	293	0.4	19.5	+ - .6 ; 2.9	16.3	+ - .7 ; 5.9
030	317	1.2	18.6	+ - .6 ; 2.8	15.4	+ - .7 ; 5.8
031	306	9.6	14.6	+ - .4 ; 2.2	11.2	+ - .6 ; 5.5
032	297	7.4	17.9	+ - .5 ; 2.7	14.7	+ - .7 ; 5.8
033	301	5.9	14.5	+ - .4 ; 2.2	11.1	+ - .6 ; 5.5
034	267	2.3	17.8	+ - .5 ; 2.5	13.7	+ - .6 ; 5.7
035	299	1.8	18.5	+ - .6 ; 2.8	15.3	+ - .7 ; 5.8
036	267	1.2	13.7	+ - .4 ; 2.1	10.3	+ - .6 ; 5.5
037	256	1.4	15.5	+ - .5 ; 2.3	12.3	+ - .6 ; 5.6
038	225	1.9	17.9	+ - .5 ; 2.7	14.6	+ - .7 ; 5.8
039	288	2.1	14.8	+ - .4 ; 2.2	11.4	+ - .6 ; 5.5
040	264	2.5	16.1	+ - .5 ; 2.4	12.8	+ - .6 ; 5.6
041	185	13.	17.7	+ - .5 ; 2.6	14.4	+ - .7 ; 5.8
042	259	7.3	16.9	+ - .5 ; 2.5	13.6	+ - .6 ; 5.7
043	268	5.8	16.6	+ - .5 ; 2.5	13.3	+ - .6 ; 5.7
044	263	4.7	15.5	+ - .5 ; 2.3	12.3	+ - .6 ; 5.6
045	238	0.5	12.9	+ - .4 ; 1.9	9.4	+ - .5 ; 5.4
046	177	3	16.2	+ - .5 ; 2.4	12.9	+ - .6 ; 5.7
047	177	5.7	16.5	+ - .5 ; 2.5	13.2	+ - .6 ; 5.7
048	182	9	22.6	+ - .7 ; 3.4	19.5	+ - .8 ; 6.2
049	286	0.9	18.3	+ - .5 ; 2.7	15.1	+ - .7 ; 5.8
050	145	4.9	15.3	+ - .5 ; 2.3	12.0	+ - .6 ; 5.6
TRANSIT DOSE =			3.9	+ - .3 ; 4.8		

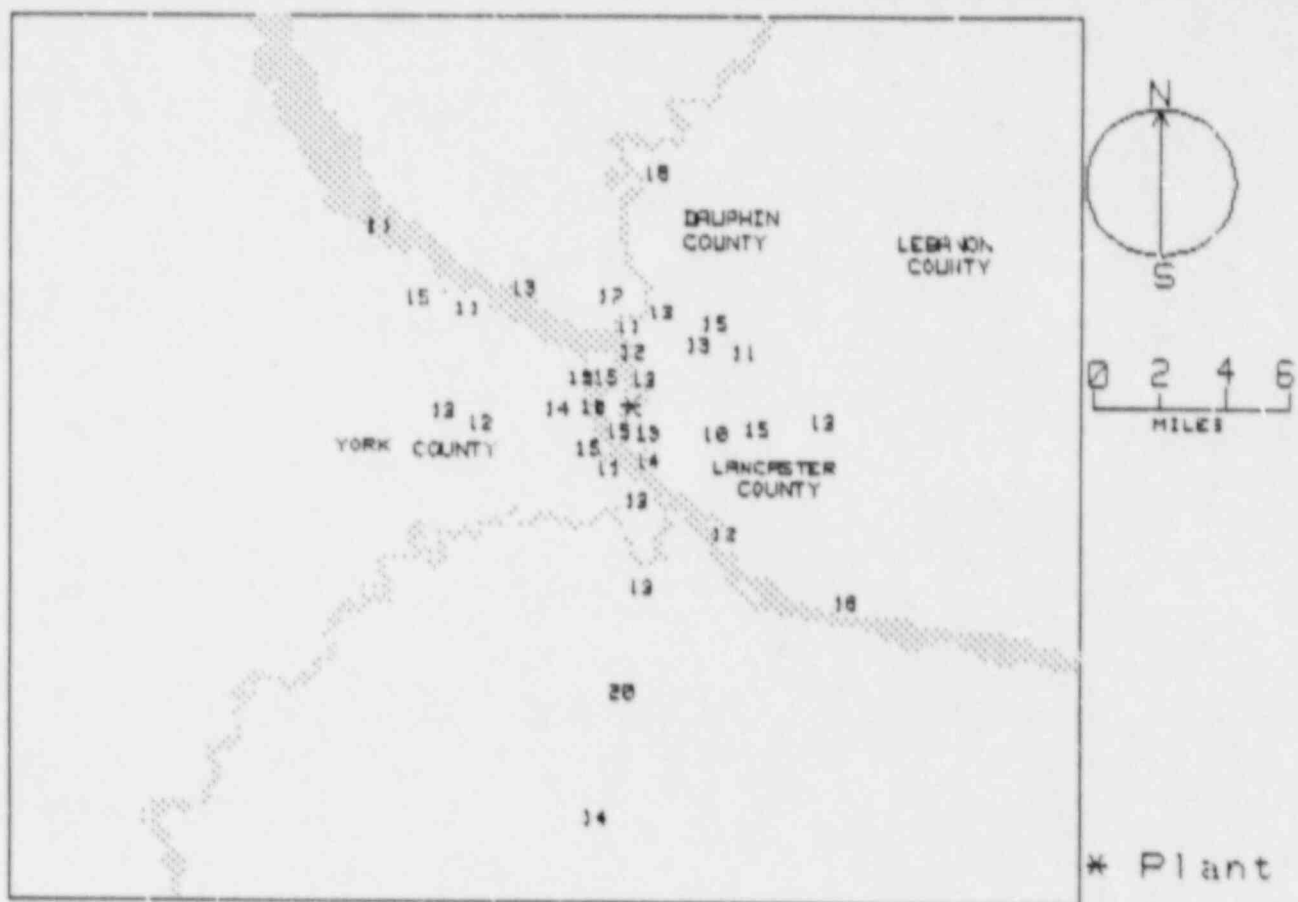
THREE MILE ISLAND  
FOR THE PERIOD 880324-880714

## TLD DISTRIBUTION RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
348.75-11.25 (N)	14.1 $\pm$ 3.2	5
11.25-33.75 (NNE)	13.2 $\pm$ .3	3
33.75-56.25 (NE)	13.8 $\pm$ 1.6	2
56.25-78.75 (ENE)	12.1 $\pm$ 1.5	2
78.75-101.25 (E)	15.8 $\pm$ 1.5	6
101.25-123.75 (ESE)	10.1 $\pm$ 0.0	1
123.75-146.25 (SE)	13.2 $\pm$ 2.3	3
146.25-168.75 (SEE)	13.4 $\pm$ .3	3
168.75-191.25 (S)	15.8 $\pm$ 3.1	4
191.25-213.75 (SSW)	13.1 $\pm$ 1.8	3
213.75-236.25 (SW)	12.8 $\pm$ 3.7	2
236.25-258.75 (WSW)	NO DATA $\pm$ NO DATA	0
258.75-281.25 (W)	13.2 $\pm$ .7	4
281.25-303.75 (WNW)	14.8 $\pm$ 2.7	3
303.75-326.25 (NW)	13.3 $\pm$ 2.1	3
326.25-348.75 (NNW)	13.8 $\pm$ 2.3	6

DISTANCE (mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
0-2	13.5 $\pm$ 2.0	14
2-5	13.8 $\pm$ 1.7	18
>5	14.3 $\pm$ 2.6	12
UPWIND CONTROL DATA	12.8 $\pm$ 2.5	3

NRC TLD DOSES FOR TMI AREA  
(mR per 90 days)



TROJAN  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 880401-880719 110 DAYS  
 FIELD TIME 78 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)		NET EXPOSURE RATE	
	AZIMUTH (deg.)	DIST (mi.)	+ - Rdm; Tot.		mR/Std. Qtr. + - Rdm; Tot.	
001	340	0.6	14.8 +- .4	; 2.2	11.5 +- .6	; 6.1
002	334	1.5	17.0 +- .5	; 2.5	14.1 +- .7	; 6.3
003	340	1.7	15.0 +- .4	; 2.2	11.0 +- .6	; 6.1
004	328	3.9	14.0 +- .4	; 2.1	10.6 +- .6	; 6.0
005	308	4.6	16.7 +- .5	; 2.5	13.7 +- .7	; 6.2
006	312	4.5	17.6 +- .5	; 2.6	14.0 +- .7	; 6.3
007	267	4.6	17.0 +- .5	; 2.5	14.1 +- .7	; 6.3
008	274	3.8	17.7 +- .5	; 2.7	14.9 +- .7	; 6.3
009	279	1.7	16.7 +- .5	; 2.5	13.7 +- .7	; 6.2
010	263	2.0	MISSING OR DAMAGED DOSIMETER			
011	245	1.6	10.9 +- .6	; 2.0	16.0 +- .8	; 6.4
012	223	1.2	10.3 +- .5	; 2.7	15.6 +- .7	; 6.4
013	196	1.1	10.3 +- .5	; 2.7	15.6 +- .7	; 6.4
014	180	1.2	16.5 +- .5	; 2.5	13.5 +- .7	; 6.2
015	165	1.7	15.8 +- .5	; 2.4	12.7 +- .7	; 6.2
016	212	3.9	MISSING OR DAMAGED DOSIMETER			
017	230	3.5	17.7 +- .5	; 2.6	14.9 +- .7	; 6.3
018	162	9.3	17.6 +- .5	; 2.6	14.0 +- .7	; 6.3
019	172	5.0	10.6 +- .6	; 2.0	16.0 +- .8	; 6.4
020	334	5.0	14.7 +- .4	; 2.2	11.5 +- .6	; 6.1
021	345	5.5	16.9 +- .5	; 2.5	13.9 +- .7	; 6.3
022	356	5.5	14.6 +- .4	; 2.2	11.0 +- .6	; 6.1
023	8	3.9	15.2 +- .5	; 2.3	12.0 +- .7	; 6.1
024	15	3.7	15.2 +- .5	; 2.3	12.0 +- .7	; 6.1
025	27	1.9	15.7 +- .5	; 2.4	12.6 +- .7	; 6.2
026	37	2.1	16.0 +- .5	; 2.5	13.9 +- .7	; 6.3
027	60	2.9	17.0 +- .5	; 2.5	14.1 +- .7	; 6.3
028	55	4.5	16.1 +- .5	; 2.4	13.1 +- .7	; 6.2
029	69	1.6	15.4 +- .5	; 2.3	12.2 +- .7	; 6.1
030	83	3.9	15.5 +- .5	; 2.3	12.3 +- .7	; 6.2
031	93	2.7	17.2 +- .5	; 2.6	14.9 +- .7	; 6.3
032	119	2.2	17.9 +- .5	; 2.7	15.2 +- .7	; 6.4
033	106	5.3	15.2 +- .5	; 2.3	12.0 +- .7	; 6.1
034	134	2.5	15.3 +- .5	; 2.3	12.1 +- .7	; 6.1
035	145	4.7	15.0 +- .5	; 2.4	12.7 +- .7	; 6.2
036	270	17.	17.4 +- .5	; 2.6	14.5 +- .7	; 6.3
037	270	17.	17.5 +- .5	; 2.6	14.6 +- .7	; 6.3
038	270	17.	17.0 +- .5	; 2.7	15.0 +- .7	; 6.3
TRANSIT DOSE =			4.8 +- .3	; 4.8		

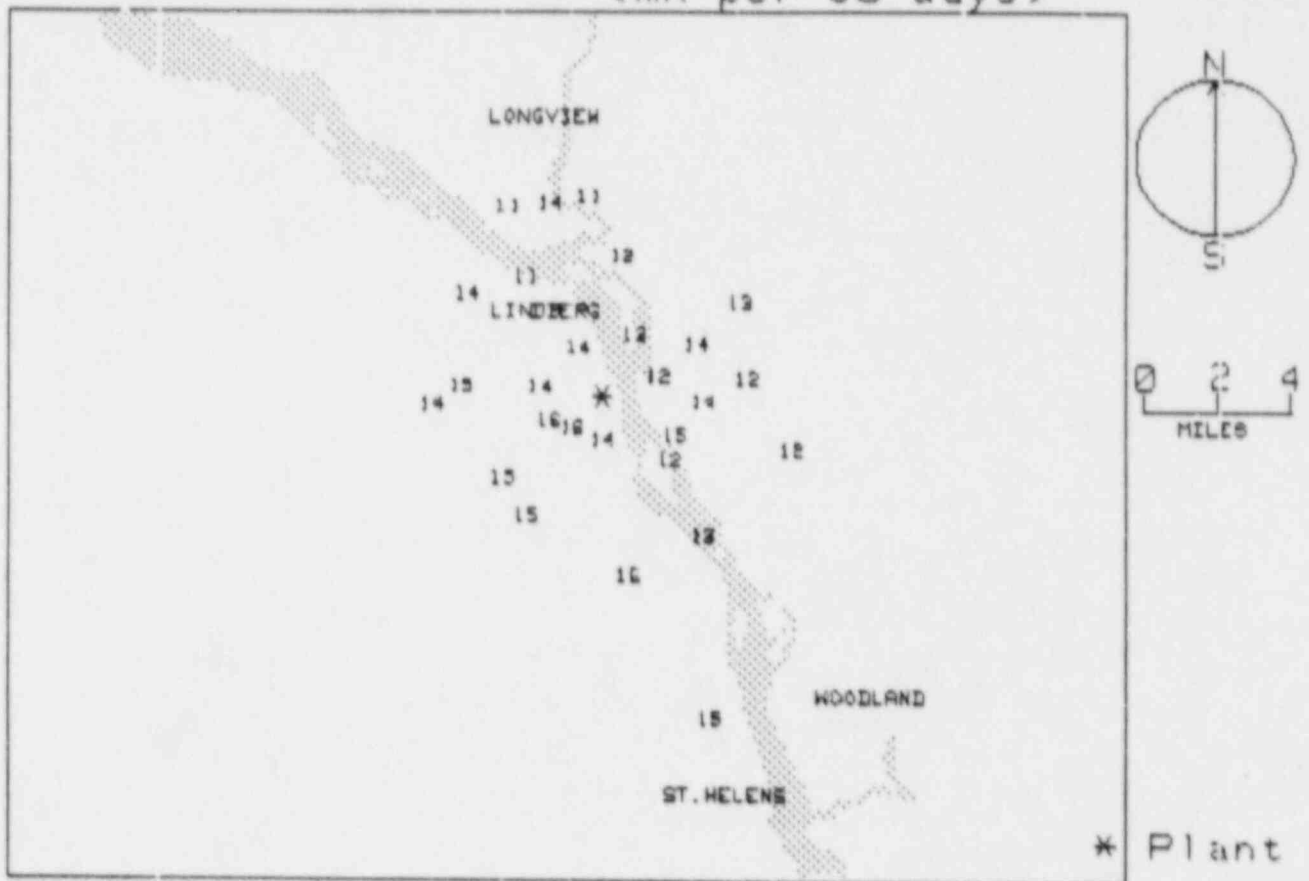
TROJAN  
FOR THE PERIOD 880401-880719

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	# IN GROUP
348.75-11.25 (N)	11.7 $\pm$ .4	2
11.25-33.75 (NNE)	12.3 $\pm$ .4	2
33.75-56.25 (NE)	13.5 $\pm$ .8	2
56.25-78.75 (ENE)	13.1 $\pm$ 1.3	2
78.75-101.25 (E)	13.3 $\pm$ 1.4	2
101.25-123.75 (ESE)	13.6 $\pm$ 2.2	2
123.75-146.25 (SE)	12.4 $\pm$ .4	2
146.25-168.75 (SSE)	13.8 $\pm$ 1.5	2
168.75-191.25 (S)	14.8 $\pm$ 1.7	2
191.25-213.75 (SSW)	15.6 $\pm$ 0.0	1
213.75-236.25 (SW)	15.2 $\pm$ .5	2
236.25-258.75 (WSW)	16.3 $\pm$ 0.0	1
258.75-281.25 (W)	14.2 $\pm$ .6	3
281.25-303.75 (WNW)	NO DATA $\pm$ NO DATA	0
303.75-326.25 (NW)	14.3 $\pm$ .8	2
326.25-348.75 (NNW)	12.2 $\pm$ 1.4	6

DISTANCE (mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	# IN GROUP
0-2	13.6 $\pm$ 1.6	11
2-5	13.6 $\pm$ 1.4	17
>5	12.7 $\pm$ 1.6	5
UPWIND CONTROL DATA	14.7 $\pm$ .3	3

NRC TLD DOSES FOR TROJAN AREA  
(mR per 90 days)



TURKEY POINT  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 880323-880721 121 DAYS  
 FIELD TIME 91 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)			NET EXPOSURE RATE				
	AZIMUTH (deg.)	DIST (mi.)	+- Rdm; Tot.			mR/Std. Qtr. +- Rdm; Tot.				
001	310	1.3	17.7	+-	.5	2.6	14.2	+-	.6	5.5
002	292	2.4	15.8	+-	.5	2.4	12.3	+-	.6	5.3
003	340	1.9	17.0	+-	.5	2.5	13.5	+-	.6	5.4
004	354	2.0	17.0	+-	.5	2.5	13.5	+-	.6	5.4
005	314	3.0	16.3	+-	.5	2.4	12.8	+-	.6	5.4
006	331	4.2	14.0	+-	.4	2.1	10.5	+-	.5	5.2
007	291	5.4	17.2	+-	.5	2.6	13.7	+-	.6	5.4
008	263	5.1	14.1	+-	.4	2.1	10.6	+-	.5	5.2
009	242	5.7	16.3	+-	.5	2.4	12.8	+-	.6	5.4
010	234	6.2	14.0	+-	.4	2.1	10.5	+-	.5	5.2
011	220	6.2	14.1	+-	.4	2.1	10.6	+-	.5	5.2
012	213	6.9	14.5	+-	.4	2.2	11.0	+-	.5	5.3
013	199	10.	16.0	+-	.5	2.5	13.3	+-	.6	5.4
014	190	10.	14.9	+-	.4	2.2	11.4	+-	.5	5.3
015	180	10.	17.0	+-	.5	2.7	14.3	+-	.6	5.5
016	171	10.	17.9	+-	.5	2.7	14.4	+-	.6	5.5
017	165	9.0	18.4	+-	.6	2.8	14.8	+-	.6	5.5
018	203	16.	16.4	+-	.5	2.5	12.9	+-	.6	5.4
019	203	16.	16.2	+-	.5	2.4	12.7	+-	.6	5.4
020	203	16.	17.2	+-	.5	2.6	13.7	+-	.6	5.4
021	260	0.7	15.5	+-	.5	2.3	12.8	+-	.6	5.3
022	256	0.0	17.6	+-	.5	2.6	14.1	+-	.6	5.5
023	275	9.0	15.3	+-	.5	2.3	11.0	+-	.6	5.3
024	285	9.0	19.6	+-	.6	2.9	16.0	+-	.7	5.6
025	293	0.7	18.0	+-	.6	2.8	15.3	+-	.6	5.5
026	301	0.4	18.5	+-	.6	2.8	14.9	+-	.6	5.5
027	311	0.3	17.6	+-	.5	2.5	13.1	+-	.6	5.4
028	327	0.2	18.9	+-	.6	2.8	15.3	+-	.6	5.5
029	339	9.3	18.0	+-	.5	2.7	14.5	+-	.6	5.5
030	350	0.7	17.5	+-	.5	2.6	14.1	+-	.6	5.5
031	359	9.9	17.1	+-	.5	2.6	13.6	+-	.6	5.4
032	2 /	10.	17.4	+-	.5	2.6	13.9	+-	.6	5.4
033	12	22.	17.4	+-	.5	2.6	13.9	+-	.6	5.4
034	10 /	24.	MISSING OR DAMAGED DOSIMETER							
035	20 /	22.	19.8	+-	.6	3.0	16.2	+-	.7	5.6
036	15	0.3	16.0	+-	.5	2.4	12.5	+-	.6	5.3
037	220	0.5	19.1	+-	.6	2.9	15.6	+-	.7	5.6
TRANSIT DOSE *			3.3	+-	.3	4.8				



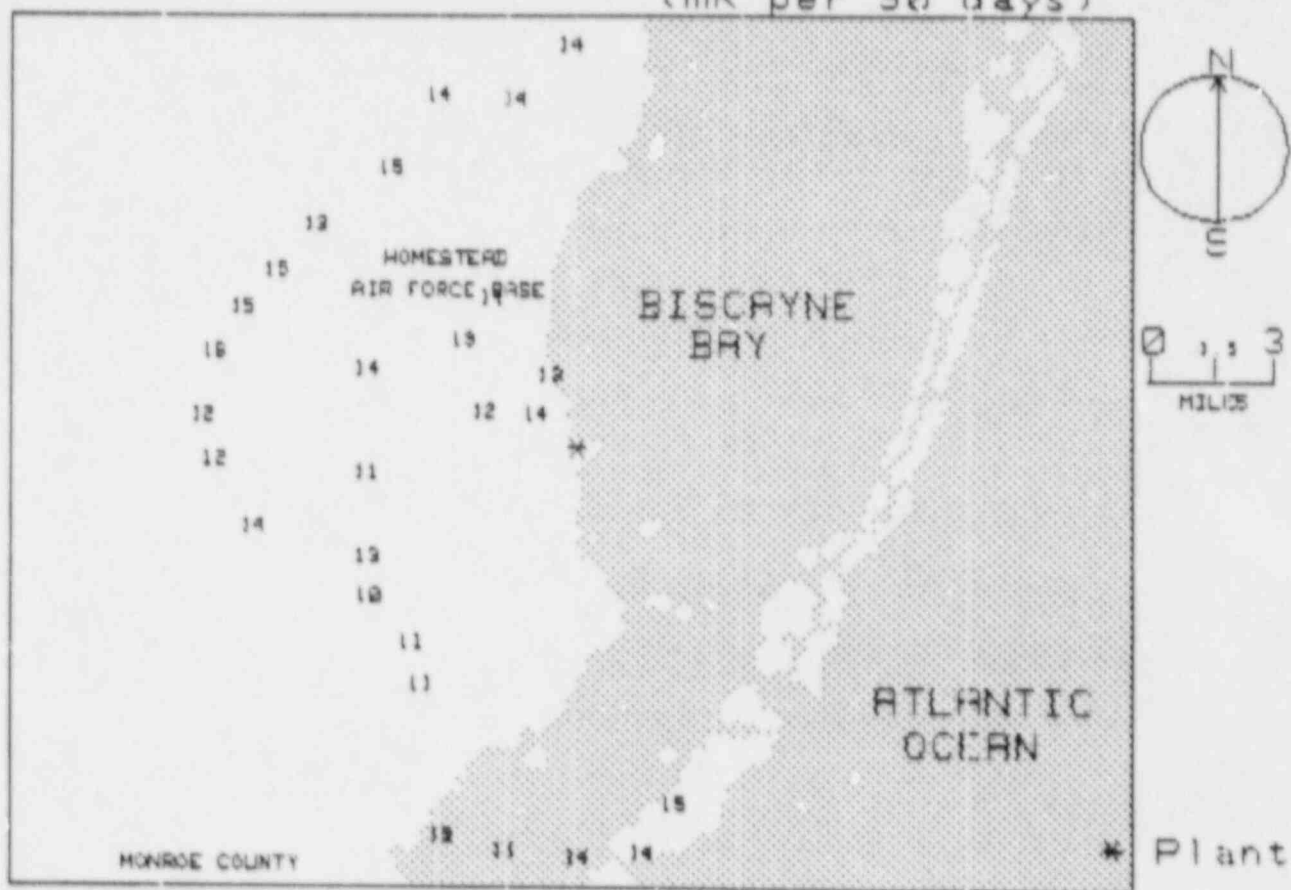
TURKEY POINT  
FOR THE PERIOD 880323-880721

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
348.75-11.25 (N)	13.7 $\pm$ .3	4
11.25-33.75 (NNE)	14.2 $\pm$ 1.9	3
33.75-56.25 (NE)	NO DATA--NO DATA	0
56.25-78.75 (ENE)	NO DATA--NO DATA	0
78.75-101.25 (E)	NO DATA--NO DATA	0
101.25-123.75 (ESE)	NO DATA--NO DATA	0
123.75-146.25 (SE)	NO DATA--NO DATA	0
146.25-168.75 (SSE)	14.8 $\pm$ 0.0	1
168.75-191.25 (S)	13.4 $\pm$ 1.7	3
191.25-213.75 (SSW)	12.1 $\pm$ 1.6	3
213.75-236.25 (SW)	12.2 $\pm$ 2.0	3
236.25-258.75 (WSW)	13.4 $\pm$ .9	3
258.75-281.25 (W)	11.5 $\pm$ .7	3
281.25-303.75 (WNW)	14.4 $\pm$ 1.5	5
303.75-326.25 (NW)	13.3 $\pm$ .7	3
326.25-348.75 (NNW)	13.5 $\pm$ 2.1	4

DISTANCE (mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
0-2	13.8 $\pm$ 1.2	5
2-5	11.9 $\pm$ 1.2	3
>5	13.4 $\pm$ 1.7	25
UPWIND CONTROL DATA	13.1 $\pm$ .5	3

NRC TLD DOSES FOR TURKEY POINT AREA  
(mR per 90 days)



VERMONT YANKEE  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 880324-880816 146 DAYS  
 FIELD TIME 106 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE(mR)			NET EXPOSURE RATE		
	AZIMUTH (deg.)	DIST (mi.)	+- Rdm;Tot.			mR/Std.Qtr. +- Rdm;Tot.		
001	142	1.	21.0	+-	.6 ; 3.2	15.4	+-	.6 ; 5.2
002	158	1	22.3	+-	.7 ; 3.3	16.5	+-	.6 ; 5.3
003	184	1.3	21.4	+-	.6 ; 3.2	15.7	+-	.6 ; 5.2
004	201	1.4	23.5	+-	.7 ; 3.5	17.5	+-	.7 ; 5.4
005	220	1.6	23.6	+-	.7 ; 3.5	17.6	+-	.7 ; 5.4
006	157	3.4	22.0	+-	.7 ; 3.3	16.3	+-	.6 ; 5.3
007	189	4.9	22.6	+-	.7 ; 3.4	16.8	+-	.6 ; 5.3
008	201	13.	21.2	+-	.6 ; 3.2	15.6	+-	.6 ; 5.2
009	208	5.8	21.5	+-	.6 ; 3.2	15.9	+-	.6 ; 5.3
010	232	3.7	25.0	+-	.8 ; 3.9	19.5	+-	.7 ; 5.6
011	277	2.9	27.9	+-	.8 ; 4.2	21.3	+-	.8 ; 5.7
012	292	1.4	24.2	+-	.7 ; 3.6	18.2	+-	.7 ; 5.4
013	314	1.4	23.0	+-	.7 ; 3.4	17.1	+-	.7 ; 5.4
014	310	4.2	22.3	+-	.7 ; 3.3	16.6	+-	.6 ; 5.3
015	299	4.3	23.0	+-	.7 ; 3.6	17.8	+-	.7 ; 5.4
016	270	4.5	21.4	+-	.6 ; 3.2	15.8	+-	.6 ; 5.2
017	331	5	23.0	+-	.7 ; 3.5	17.1	+-	.7 ; 5.4
018	290	19.	24.6	+-	.7 ; 3.7	18.5	+-	.7 ; 5.5
019	290	19.	26.6	+-	.8 ; 4.0	20.2	+-	.7 ; 5.6
020	290	19.	26.1	+-	.8 ; 3.9	19.7	+-	.7 ; 5.6
021	359	3.2	24.9	+-	.7 ; 3.7	18.7	+-	.7 ; 5.5
023	334	2.2	22.5	+-	.7 ; 3.4	16.7	+-	.6 ; 5.3
024	4	.9	MISSING OR DAMAGED DOSIMETER					
025	30	1	21.8	+-	.7 ; 3.3	16.1	+-	.6 ; 5.3
026	72	1.5	23.7	+-	.7 ; 3.6	17.7	+-	.7 ; 5.4
027	44	.7	22.4	+-	.7 ; 3.4	16.6	+-	.6 ; 5.3
028	39	2.0	24.4	+-	.7 ; 3.7	18.3	+-	.7 ; 5.5
029	25	3.0	MISSING OR DAMAGED DOSIMETER					
030	72	2.7	26.1	+-	.8 ; 3.9	19.8	+-	.7 ; 5.6
031	85	2	22.8	+-	.7 ; 3.4	16.9	+-	.6 ; 5.3
032	111	1.0	22.7	+-	.7 ; 3.4	16.9	+-	.6 ; 5.3
033	134	4	23.0	+-	.7 ; 3.4	17.1	+-	.7 ; 5.4
034	151	6	21.2	+-	.6 ; 3.2	15.6	+-	.6 ; 5.2
035	111	4.3	24.2	+-	.7 ; 3.6	18.1	+-	.7 ; 5.4
036	92	4.7	26.2	+-	.8 ; 3.9	19.8	+-	.7 ; 5.6
037	50	15	27.6	+-	.8 ; 4.1	21.0	+-	.8 ; 5.7
039	222	.3	24.5	+-	.7 ; 3.7	18.4	+-	.7 ; 5.5
040	250	3	23.3	+-	.7 ; 3.5	17.4	+-	.7 ; 5.4
TRANSIT DOSE *			2.8	+-	.3 ; 5.3			

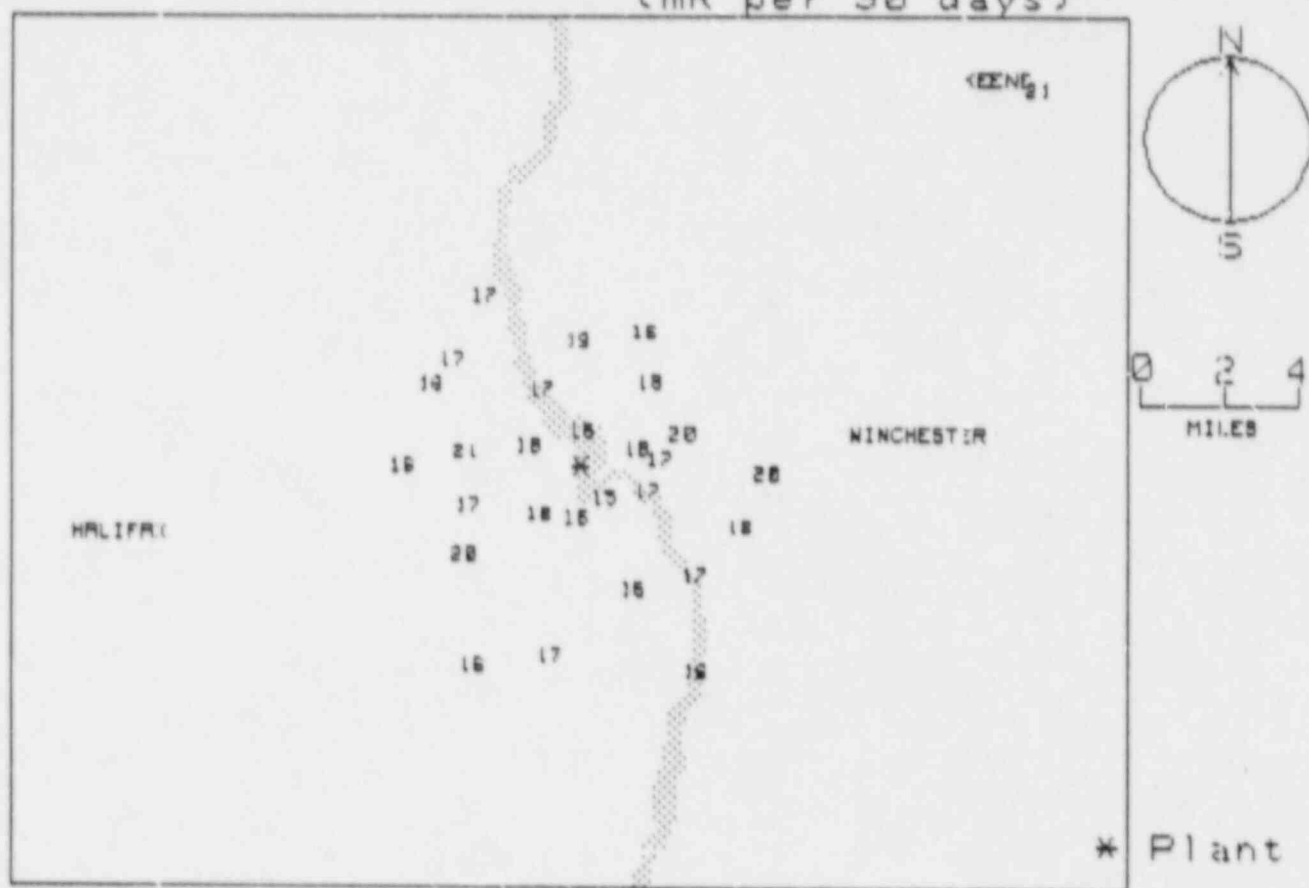
VERMONT YANKEE  
FOR THE PERIOD 880324-880816

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	# IN GROUP
348.75-11.25 (N)	18.7 $\pm$ 0.0	1
11.25-33.75 (NNE)	16.1 $\pm$ 0.0	1
33.75-56.25 (NE)	21.0 $\pm$ 0.0	1
56.25-78.75 (ENE)	19.8 $\pm$ 0.0	1
78.75-101.25 (E)	16.4 $\pm$ 2.0	2
101.25-123.75 (ESE)	17.5 $\pm$ .8	2
123.75-146.25 (SE)	16.3 $\pm$ 1.2	2
146.25-168.75 (SSE)	16.1 $\pm$ .5	3
168.75-191.25 (S)	16.3 $\pm$ .8	2
191.25-213.75 (SSW)	16.3 $\pm$ 1.1	3
213.75-236.25 (SW)	18.5 $\pm$ 1.0	3
236.25-258.75 (WSW)	17.4 $\pm$ 0.0	1
258.75-281.25 (W)	18.5 $\pm$ 3.9	2
281.25-303.75 (WNW)	18.9 $\pm$ 1.0	5
303.75-326.25 (NW)	16.8 $\pm$ .4	2
326.25-348.75 (NNW)	16.8 $\pm$ .3	2

DISTANCE(mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	# IN GROUP
0-2	16.9 $\pm$ 1.0	11
2-5	17.9 $\pm$ 1.6	15
>5	18.1 $\pm$ 2.4	7
UPWIND CONTROL DATA	17.6 $\pm$ .8	3

NRC TLD DOSES FOR VERMONT YANKEE AREA  
(mR per 90 days)



VOGTLE  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 880319-880721 125 DAYS  
 FIELD TIME 97 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)			NET EXPOSURE RATE mR/Std. Qtr.			
	AZIMUTH (deg.)	DIST (mi.)	+ -	Rdm	Tot.	+ -	Rdm	Tot.	
001	298	1.6	19.5	+-	.6	2.9	13.0	+- .7	6.0
002	309	1.6	20.2	+-	.6	3.0	13.6	+- .7	6.1
003	336	1.4	18.8	+-	.6	2.8	12.3	+- .6	6.0
004	270	1.3	18.8	+-	.6	2.8	12.3	+- .6	6.0
005	247	1.2	20.0	+-	.6	3.0	13.4	+- .7	6.1
006	215	1.2	23.9	+-	.7	3.6	17.0	+- .8	6.3
007	205	1.2	25.2	+-	.8	3.8	18.3	+- .8	6.4
008	180	1.1	24.9	+-	.7	3.7	18.0	+- .8	6.4
009	153	1.2	21.0	+-	.6	3.1	14.3	+- .7	6.1
010	134	1.3	22.4	+-	.7	3.4	15.6	+- .7	6.2
011	103	1.1	17.4	+-	.5	2.6	11.0	+- .6	5.9
012	134	3.3	19.5	+-	.6	2.9	12.9	+- .7	6.0
013	123	4.2	19.7	+-	.6	3.0	13.2	+- .7	6.1
014	141	4.6	17.3	+-	.5	2.6	11.0	+- .6	5.9
015	153	5.3	18.7	+-	.6	2.8	12.2	+- .6	6.0
016	162	6.3	20.7	+-	.6	3.1	14.1	+- .7	6.1
017	157	7.3	21.5	+-	.6	3.2	14.8	+- .7	6.2
018	191	4.8	18.7	+-	.6	2.8	12.2	+- .6	6.0
019	200	4.7	19.5	+-	.6	2.9	12.9	+- .7	6.0
020	232	4.9	18.8	+-	.6	2.8	12.3	+- .6	6.0
021	250	5.6	19.9	+-	.6	3.0	13.4	+- .7	6.1
022	264	4.3	18.8	+-	.6	2.8	12.3	+- .6	6.0
023	301	4.2	19.8	+-	.6	3.0	13.2	+- .7	6.1
024	308	4.6	23.4	+-	.7	3.5	16.6	+- .8	6.3
025	329	6.7	20.8	+-	.6	3.1	14.2	+- .7	6.1
026	258	15.	22.2	+-	.7	3.3	15.5	+- .7	6.2
027	300	19.	23.5	+-	.7	3.5	16.7	+- .8	6.3
028	330	30.	19.3	+-	.6	2.9	12.8	+- .7	6.0
031	357	5.2	18.3	+-	.5	2.7	11.9	+- .6	6.0
032	20	4.9	15.3	+-	.5	2.3	9.1	+- .6	5.8
033	17	5.2	16.2	+-	.5	2.4	9.9	+- .6	5.9
034	36	5.9	17.6	+-	.5	2.6	11.2	+- .6	5.9
035	48	2.4	23.0	+-	.7	3.4	16.2	+- .7	6.3
036	69	2.8	17.1	+-	.5	2.6	12.0	+- .6	5.9
037	74	4.4	17.1	+-	.5	2.6	12.7	+- .6	5.9
038	94	4.5	16.8	+-	.5	2.5	12.5	+- .6	5.9
TRANSIT DOSE =			5.5	+-	.4	5.0			

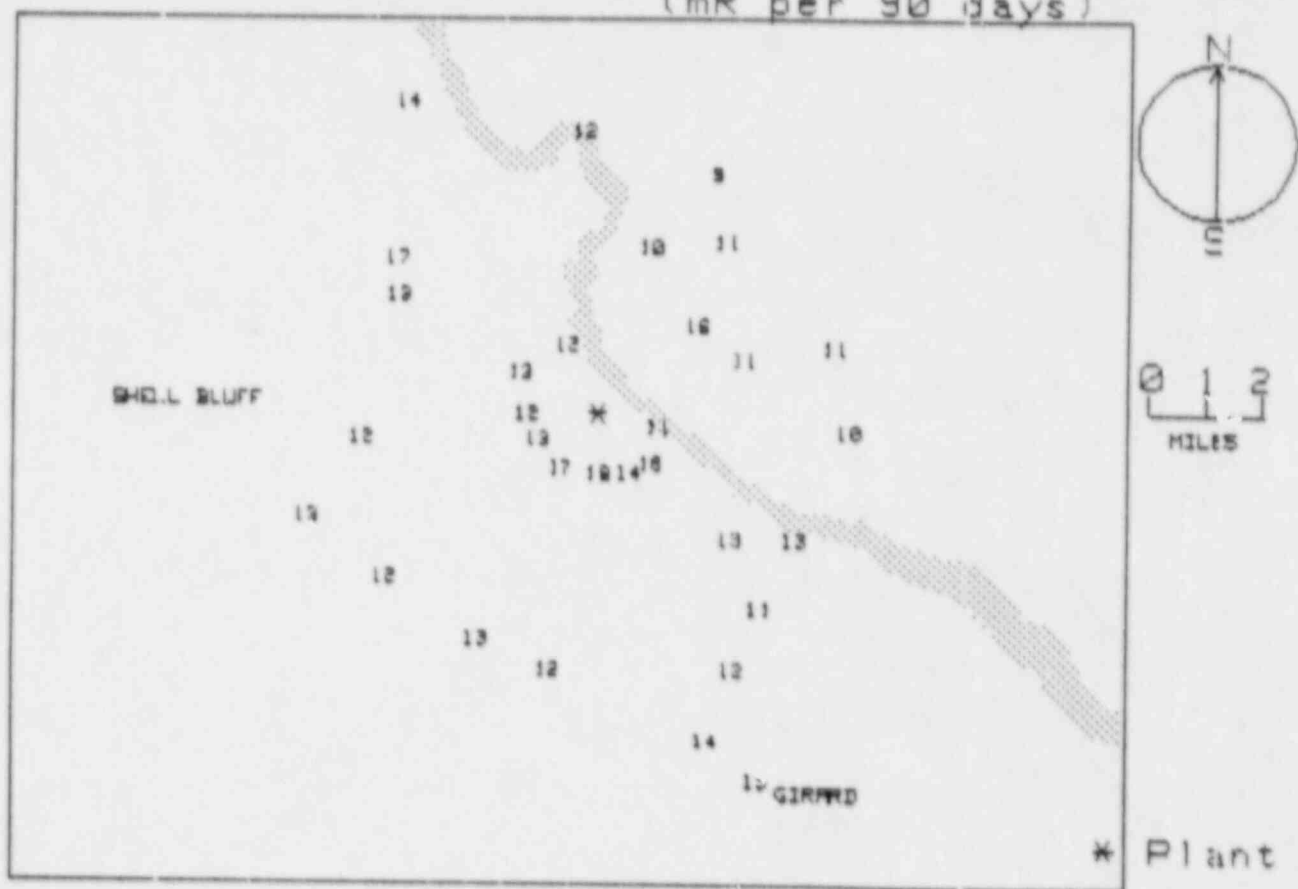
VOGTLE  
FOR THE PERIOD 800319-800721

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
348.75-11.23 (N)	11.8 $\pm$ 0.0	1
11.25-33.75 (NNE)	9.5 $\pm$ .6	2
33.75-56.25 (NE)	13.7 $\pm$ 3.5	2
56.25-78.75 (ENE)	10.7 $\pm$ .0	2
78.75-101.25 (E)	10.5 $\pm$ 0.0	1
101.25-123.75 (ESE)	12.1 $\pm$ 1.5	2
123.75-146.25 (SE)	13.2 $\pm$ 2.4	3
146.25-168.75 (SSE)	13.8 $\pm$ 1.1	4
168.75-191.25 (S)	15.1 $\pm$ 4.1	2
191.25-213.75 (SSW)	15.6 $\pm$ 3.8	2
213.75-236.25 (SW)	14.7 $\pm$ 3.3	2
236.25-258.75 (WSW)	13.4 $\pm$ .0	2
258.75-281.25 (W)	12.3 $\pm$ .0	2
281.25-303.75 (WNW)	13.1 $\pm$ .2	2
303.75-326.25 (NW)	15.1 $\pm$ 2.1	2
326.25-348.75 (NNW)	13.2 $\pm$ 1.3	2

DISTANCE (mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
0-2	14.5 $\pm$ 2.4	11
2-5	12.2 $\pm$ 2.0	18
>5	13.4 $\pm$ 1.1	6
UPWIND CONTROL DATA	15.0 $\pm$ 2.0	1

NRC TLD DOSES FOR VOGTLE AREA  
(mR per 90 days)





WASHINGTON NUCLEAR 2  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 880316-880719 126 DAYS  
 FIELD TIME 96 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE(mR)			NET EXPOSURE RATE				
	AZIMUTH (deg.)	DIST (mi.)	+-	Rdm;	Tot.	mR/Std.Qtr.	+-	Rdm;	Tot.	
001	174	12.	23.0	+-	.7	3.5	18.2	+-	.7	5.8
002	163	11.	22.9	+-	.7	3.4	18.1	+-	.7	5.8
003	161	9.0	21.9	+-	.7	3.3	17.1	+-	.7	5.7
004	152	5.0	24.2	+-	.7	3.6	19.3	+-	.8	5.9
005	195	2.0	23.2	+-	.7	3.5	18.4	+-	.7	5.8
006	220	1.5	22.5	+-	.7	3.4	17.7	+-	.7	5.8
007	92	3.0	24.4	+-	.7	3.7	19.5	+-	.8	5.9
008	155	1.0	22.5	+-	.7	3.4	17.7	+-	.7	5.8
009	130	0.5	23.6	+-	.7	3.5	18.7	+-	.7	5.8
010	70	0.5	24.2	+-	.7	3.6	19.3	+-	.8	5.9
011	25	0.0	23.7	+-	.7	3.6	18.9	+-	.7	5.9
012	315	0.5	24.2	+-	.7	3.6	19.3	+-	.8	5.9
013	290	0.5	26.8	+-	.8	4.0	21.8	+-	.8	6.1
014	270	0.5	23.0	+-	.7	3.4	18.2	+-	.7	5.8
015	245	1.0	23.0	+-	.7	3.5	18.2	+-	.7	5.8
016	205	3.0	24.8	+-	.7	3.7	19.8	+-	.8	5.9
017	240	4.0	21.8	+-	.7	3.3	17.8	+-	.7	5.7
018	190	7.0	22.1	+-	.7	3.3	17.3	+-	.7	5.7
019	173	0.5	22.8	+-	.7	3.4	18.0	+-	.7	5.8
020	150	2.0	23.5	+-	.7	3.5	18.7	+-	.7	5.8
021	114	7.0	24.0	+-	.7	3.6	19.1	+-	.7	5.9
022	120	6.0	22.9	+-	.7	3.4	18.1	+-	.7	5.8
023	134	6.0	25.8	+-	.8	3.9	20.8	+-	.8	6.0
024	110	4.0	27.1	+-	.8	4.1	22.0	+-	.8	6.1
025	85	5.0	23.7	+-	.7	3.5	18.8	+-	.7	5.8
026	65	5.0	26.1	+-	.8	3.9	21.1	+-	.8	6.0
027	53	4.0	22.3	+-	.7	3.3	17.5	+-	.7	5.7
028	44	0.0	26.4	+-	.8	4.0	21.3	+-	.8	6.1
029	33	10.	22.2	+-	.7	3.3	17.5	+-	.7	5.7
030	8	9.5	25.1	+-	.8	3.8	20.1	+-	.8	6.0
031	215	15.	21.6	+-	.6	3.2	16.9	+-	.7	5.7
TRANSIT DOSE *			3.6	+-	.3	5.1				

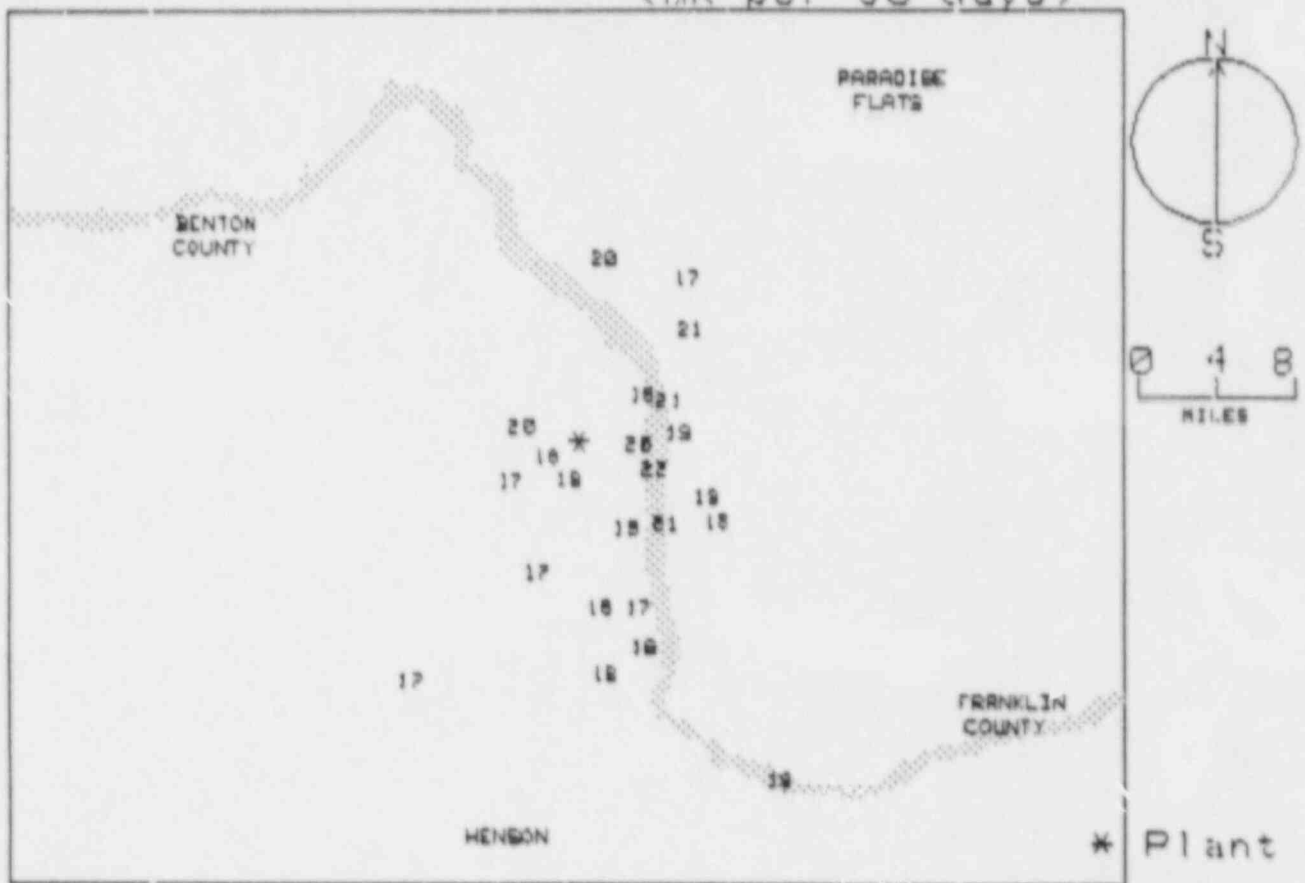
WASHINGTON NUCLEAR 2  
FOR THE PERIOD 880316-880719

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	# IN GROUP
348.75-11.25 (N)	20.1 $\pm$ 0.0	1
11.25-33.75 (NNE)	18.2 $\pm$ 1.0	2
33.75-56.25 (NE)	19.4 $\pm$ 2.7	2
56.25-78.75 (ENE)	20.2 $\pm$ 1.3	2
78.75-101.25 (E)	19.2 $\pm$ .5	2
101.25-123.75 (ESE)	19.7 $\pm$ 2.0	3
123.75-146.25 (SE)	19.8 $\pm$ 1.5	2
146.25-168.75 (SSE)	18.2 $\pm$ .8	5
168.75-191.25 (S)	18.0 $\pm$ 0.0	1
191.25-213.75 (SSW)	17.8 $\pm$ .8	2
213.75-236.25 (SW)	17.7 $\pm$ 0.0	1
236.25-258.75 (WSW)	17.8 $\pm$ .8	2
258.75-281.25 (W)	18.2 $\pm$ 0.0	1
281.25-303.75 (WNW)	20.8 $\pm$ 1.4	2
303.75-326.25 (NW)	19.3 $\pm$ 0.0	1
326.25-348.75 (NNW)	NO DATA $\pm$ NO DATA	0

DISTANCE (mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	# IN GROUP
0-2	18.8 $\pm$ 1.2	10
2-5	19.4 $\pm$ 1.7	8
>5	18.7 $\pm$ 1.4	11
UPWIND CONTROL DATA	17.8 $\pm$ .8	2

NRC TLD DOSES FOR WASHINGTON AREA  
(mR per 90 days)



WATERFORD  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 080317-080710 124 DAYS  
 FIELD TIME 85 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)		NET EXPOSURE RATE	
	AZIMUTH (deg.)	DIST (mi.)	+ - Rdm; Tot.		mR/Std. Qtr. + - Rdm; Tot.	
001	101	0.4	MISSING OR DAMAGED DOSIMETER			
002	116	1.1	18.6 +- .6	2.8	15.9 +- .7	5.7
003	132	1.3	21.4 +- .6	3.2	19.0 +- .8	6.0
004	160	1.0	18.8 +- .6	2.0	16.2 +- .7	5.8
005	183	1.4	17.3 +- .5	2.6	14.6 +- .6	5.6
006	202	1.2	18.8 +- .6	2.0	16.2 +- .7	5.8
007	226	1.2	17.7 +- .5	2.6	15.0 +- .7	5.7
008	248	1.3	21.1 +- .6	3.2	18.6 +- .7	6.0
009	265	1.9	MISSING OR DAMAGED DOSIMETER			
010	186	4.2	20.2 +- .6	3.0	17.6 +- .7	5.9
011	315	4.4	20.1 +- .6	3.0	17.5 +- .7	5.9
012	328	4.1	20.9 +- .6	3.1	18.4 +- .7	5.9
013	369	0.8	19.1 +- .5	2.7	15.4 +- .7	5.7
014	273	0.9	18.6 +- .6	2.0	15.9 +- .7	5.7
015	292	0.8	17.0 +- .5	2.5	14.3 +- .6	5.6
016	335	0.5	16.5 +- .5	2.5	13.7 +- .6	5.6
017	120	4.3	16.7 +- .5	2.5	13.9 +- .6	5.6
018	145	3.5	16.6 +- .5	2.5	13.8 +- .6	5.6
019	153	0.1	18.6 +- .6	2.0	16.0 +- .7	5.7
020	133	0.1	19.6 +- .6	2.9	17.0 +- .7	5.8
021	116	6.7	19.0 +- .6	2.0	16.4 +- .7	5.8
022	95	4.3	18.7 +- .6	2.0	16.1 +- .7	5.7
023	86	2.8	18.8 +- .6	2.0	16.2 +- .7	5.8
024	66	4.0	20.4 +- .6	3.1	17.9 +- .7	5.9
025	37	3.5	19.7 +- .6	3.0	17.2 +- .7	5.8
026	23	3.0	17.4 +- .5	2.6	14.7 +- .6	5.6
027	350	4.9	18.1 +- .5	2.7	15.5 +- .7	5.7
028	335	5.0	18.8 +- .6	2.0	16.2 +- .7	5.8
029	6	2.0	17.3 +- .5	2.6	14.6 +- .6	5.6
030	356	1.1	16.8 +- .5	2.5	14.0 +- .6	5.6
031	15	0.8	20.8 +- .6	3.1	18.3 +- .7	5.9
032	40	0.8	17.0 +- .5	2.5	14.3 +- .6	5.6
033	69	1.1	17.9 +- .5	2.7	15.2 +- .7	5.7
034	292	15.	18.7 +- .6	2.0	16.1 +- .7	5.7
035	282	27.	20.2 +- .6	3.0	17.6 +- .7	5.9
036	268	21.	16.8 +- .5	2.5	14.1 +- .6	5.6
TRANSIT DOSE =			3.5 +- .3	4.6		

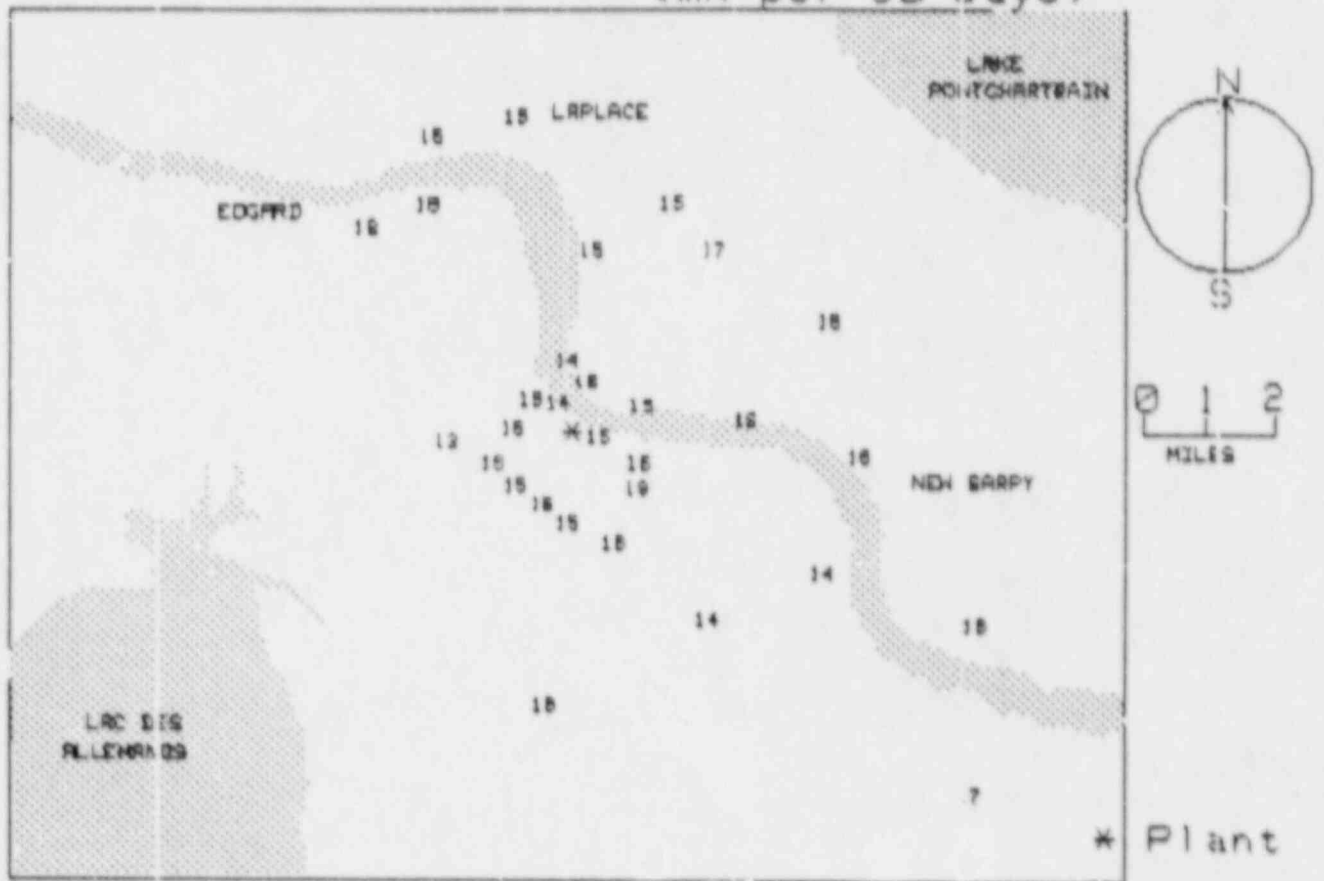
WATERFORD  
FOR THE PERIOD 880317-880716

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	# IN GROUP
348.75-11.25 (N)	14.7 $\pm$ .7	3
11.25-33.75 (NNE)	16.5 $\pm$ 2.5	2
33.75-56.25 (NE)	15.7 $\pm$ 2.1	2
56.25-78.75 (ENE)	16.5 $\pm$ 1.9	2
78.75-101.25 (E)	16.2 $\pm$ .1	2
101.25-123.75 (ESE)	15.4 $\pm$ 1.3	3
123.75-146.25 (SE)	16.6 $\pm$ 2.6	3
146.25-168.75 (SSE)	16.1 $\pm$ .1	2
168.75-191.25 (S)	16.1 $\pm$ 2.1	2
191.25-213.75 (SSW)	16.2 $\pm$ 8.0	1
213.75-236.25 (SW)	15.0 $\pm$ 0.0	1
236.25-258.75 (WSW)	18.8 $\pm$ 0.0	1
258.75-281.25 (W)	15.9 $\pm$ 0.0	1
281.25-303.75 (WNW)	14.3 $\pm$ 0.0	1
303.75-326.25 (NW)	16.5 $\pm$ 1.5	2
326.25-348.75 (NNW)	16.1 $\pm$ 2.3	3

DISTANCE (mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	# IN GROUP
0-2	15.8 $\pm$ 1.7	15
2-5	16.1 $\pm$ 1.5	13
>5	16.5 $\pm$ .5	3
UPWIND CONTROL DATA	15.9 $\pm$ 1.8	9

NRC TLD DOSES FOR WATERFORD AREA  
(mR per 90 days)



WATTS BAR  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 800323-880721 121 DAYS  
 FIELD TIME 95 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE(mR)			NET EXPOSURE RATE			
	AZIMUTH (deg.)	DIST (mi.)	+ -	Rdm;	Tot.	mR/Std. Dtr.	+ -	Rdm;	Tot.
001	337	0.9	20.7	+-	.6 ; 3.1	14.1	+-	.7 ; 6.3	
002	314	2.1	20.3	+-	.6 ; 3.0	13.7	+-	.7 ; 6.3	
003	297	1.9	22.2	+-	.7 ; 3.3	15.5	+-	.7 ; 6.4	
004	272	2.0	19.5	+-	.6 ; 2.9	12.9	+-	.7 ; 6.2	
005	251	1.9	22.1	+-	.7 ; 3.3	15.4	+-	.7 ; 6.4	
006	235	1.8	22.2	+-	.7 ; 3.3	15.5	+-	.7 ; 6.4	
007	230	3.0	23.7	+-	.7 ; 3.6	16.9	+-	.8 ; 6.5	
008	208	3.6	21.7	+-	.6 ; 3.2	15.0	+-	.7 ; 6.3	
009	249	4.2	18.0	+-	.5 ; 2.7	11.5	+-	.6 ; 6.1	
010	266	3.1	20.3	+-	.6 ; 3.0	13.7	+-	.7 ; 6.2	
011	289	3.3	20.4	+-	.6 ; 3.1	13.8	+-	.7 ; 6.3	
012	310	4.7	18.8	+-	.6 ; 2.8	12.3	+-	.7 ; 6.2	
013	337	3.6	MISSING OR DAMAGED DOSIMETER						
014	330	7.0	20.1	+-	.6 ; 3.0	13.5	+-	.7 ; 6.2	
015	350	4.7	21.4	+-	.6 ; 3.2	14.7	+-	.7 ; 6.3	
016	7	1.1	23.5	+-	.7 ; 3.5	16.7	+-	.8 ; 6.5	
017	23	1.6	17.0	+-	.5 ; 2.6	10.6	+-	.6 ; 6.1	
018	41	2.3	19.8	+-	.6 ; 3.0	13.2	+-	.7 ; 6.2	
019	69	1.3	21.9	+-	.7 ; 3.3	15.2	+-	.7 ; 6.4	
020	89	1.2	25.1	+-	.8 ; 3.8	18.3	+-	.8 ; 6.6	
021	114	1.1	19.5	+-	.6 ; 2.9	12.9	+-	.7 ; 6.2	
022	141	1.0	22.7	+-	.7 ; 3.4	16.0	+-	.8 ; 6.4	
023	163	1.1	26.2	+-	.8 ; 3.9	19.3	+-	.8 ; 6.7	
024	187	1.1	24.2	+-	.7 ; 3.6	17.4	+-	.8 ; 6.5	
025	203	1.2	22.0	+-	.7 ; 3.4	16.0	+-	.8 ; 6.4	
026	184	5.9	21.6	+-	.6 ; 3.2	15.0	+-	.7 ; 6.3	
027	176	4.5	21.5	+-	.6 ; 3.2	14.9	+-	.7 ; 6.3	
028	161	3.5	20.4	+-	.6 ; 3.1	13.8	+-	.7 ; 6.3	
029	144	3.0	20.6	+-	.6 ; 3.1	14.0	+-	.7 ; 6.3	
030	117	3.1	19.0	+-	.6 ; 3.0	13.2	+-	.7 ; 6.2	
031	97	4.0	19.3	+-	.6 ; 2.9	12.0	+-	.7 ; 6.2	
032	76	4.1	17.0	+-	.5 ; 2.7	11.4	+-	.6 ; 6.1	
033	32	4.1	21.0	+-	.7 ; 3.3	15.1	+-	.7 ; 6.4	
034	36	4.7	21.1	+-	.6 ; 3.2	14.4	+-	.7 ; 6.3	
035	338	19'	20.1	+-	.6 ; 3.0	13.5	+-	.7 ; 6.2	
036	338	19'	19.3	+-	.6 ; 2.9	12.7	+-	.7 ; 6.2	
037	338	19'	18.3	+-	.5 ; 2.7	11.0	+-	.6 ; 6.1	
TRANSIT DOSE *			5.0	+-	.4 ; 5.9				

WATTS BAR  
FOR THE PERIOD 880323-880721

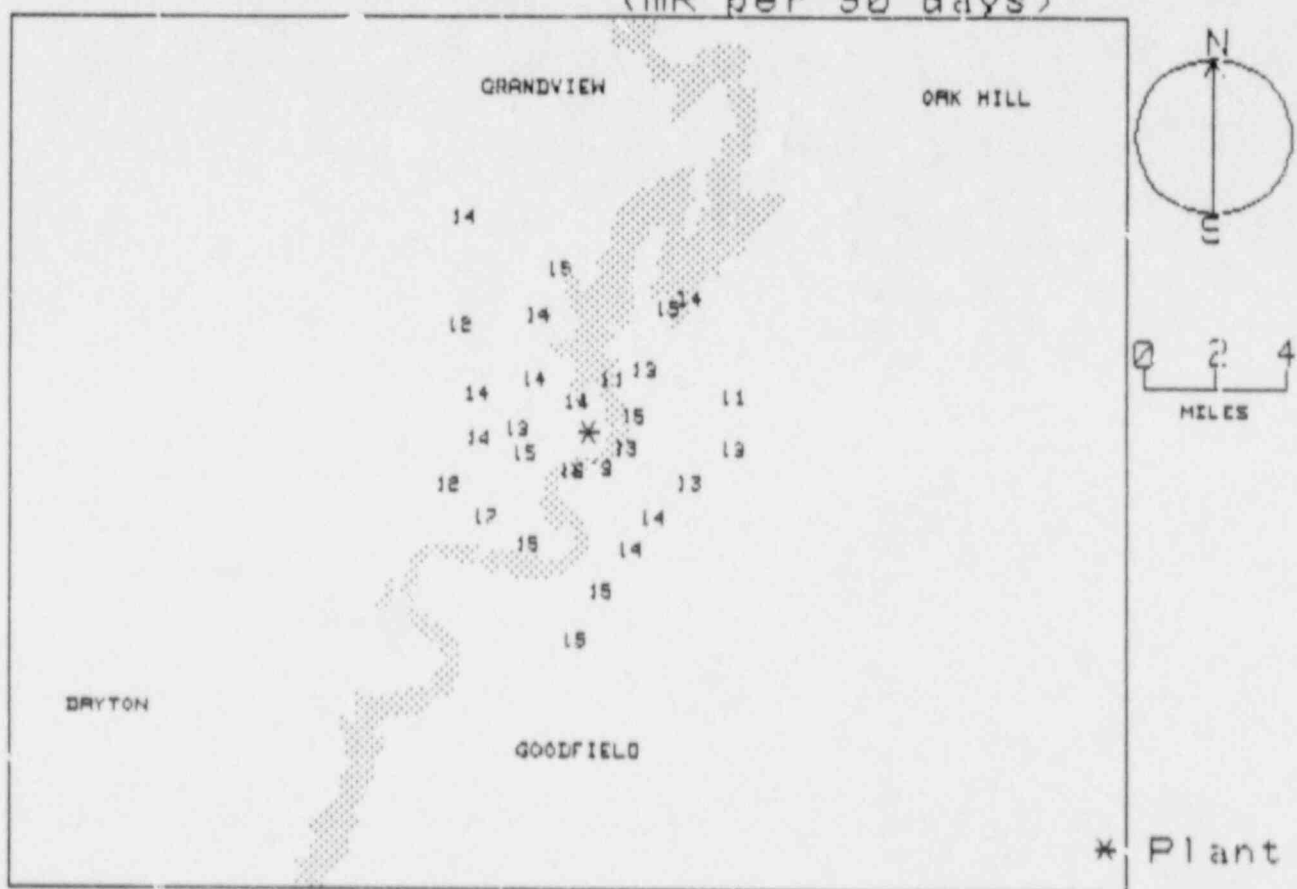
## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std. Qtr.) $\pm$ Std. Dev.	# IN GROUP
348.75-11.25 (N)	15.7 $\pm$ 1.4	2
11.25-33.75 (NNE)	12.8 $\pm$ 3.2	2
33.75-56.25 (NE)	13.8 $\pm$ .8	2
56.25-78.75 (ENE)	13.3 $\pm$ 2.7	2
78.75-101.25 (E)	15.5 $\pm$ 3.8	2
101.25-123.75 (ESE)	13.1 $\pm$ .2	2
123.75-146.25 (SE)	15.0 $\pm$ 1.4	2
146.25-168.75 (SSE)	16.5 $\pm$ 3.0	2
168.75-191.25 (S)	15.7 $\pm$ 1.4	3
191.25-213.75 (SSW)	15.5 $\pm$ .7	2
213.75-236.25 (SW)	16.2 $\pm$ 1.0	2
236.25-258.75 (WSW)	13.5 $\pm$ 2.7	2
258.75-281.25 (W)	13.3 $\pm$ .5	2
281.25-303.75 (WNW)	14.6 $\pm$ 1.2	2
303.75-326.25 (NW)	13.0 $\pm$ 1.0	2
326.25-348.75 (NNW)	13.8 $\pm$ .4	2

DISTANCE (mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std. Qtr.) $\pm$ Std. Dev.	# IN GROUP
0-2	15.4 $\pm$ 2.3	14
2-5	13.8 $\pm$ 1.4	17
>5	14.2 $\pm$ 1.0	2
UPWIND CONTROL DATA	12.7 $\pm$ .8	3



NRC TLD DOSES FOR WATTS BAR AREA  
(mR per 90 days)



WOLF CR.  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 880317-880719 125 DAYS  
 FIELD TIME 92 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE(mR)			NET EXPOSURE RATE		
	AZIMUTH (deg.)	DIST (mi.)	+- Rdm;Tot.			mR/Std.Qtr. +- Rdm;Tot.		
001	316	2.9	26.1	+-	.8 ; 3.9	20.7	+-	.8 ; 6.5
002	330	1.8	24.5	+-	.7 ; 3.7	19.1	+-	.8 ; 6.4
003	360	2.8	25.0	+-	.7 ; 3.7	19.6	+-	.8 ; 6.4
004	355	1.6	25.8	+-	.8 ; 3.9	20.4	+-	.8 ; 6.5
005	031	1.8	24.8	+-	.7 ; 3.7	19.4	+-	.8 ; 6.4
006	47	2.	MISSING OR DAMAGED DOSIMETER					
007	70	1.6	23.1	+-	.7 ; 3.5	17.8	+-	.8 ; 6.3
008	90	1.7	24.8	+-	.7 ; 3.7	19.4	+-	.8 ; 6.4
009	111	2.4	25.5	+-	.8 ; 3.8	20.1	+-	.8 ; 6.5
010	137	2.5	24.4	+-	.7 ; 3.7	19.1	+-	.8 ; 6.4
011	157	3.4	24.9	+-	.7 ; 3.7	19.5	+-	.8 ; 6.4
012	184	0.3	25.2	+-	.8 ; 3.8	19.8	+-	.8 ; 6.5
013	213	2.9	25.9	+-	.8 ; 3.9	20.5	+-	.8 ; 6.5
014	233	2.4	25.5	+-	.8 ; 3.8	20.1	+-	.8 ; 6.5
015	248	2.2	24.6	+-	.7 ; 3.7	19.2	+-	.8 ; 6.4
016	270	2.1	25.1	+-	.8 ; 3.8	19.7	+-	.8 ; 6.5
017	270	3.4	21.2	+-	.6 ; 3.2	15.9	+-	.7 ; 6.1
018	263	4.2	27.4	+-	.8 ; 4.1	22.0	+-	.9 ; 6.7
019	257	5.0	25.3	+-	.8 ; 3.8	19.9	+-	.8 ; 6.5
020	280	3.9	23.1	+-	.7 ; 3.5	17.8	+-	.8 ; 6.3
021	298	3.9	25.0	+-	.8 ; 3.8	19.7	+-	.8 ; 6.4
022	319	4.8	MISSING OR DAMAGED DOSIMETER					
023	332	5.0	MISSING OR DAMAGED DOSIMETER					
024	19	3.9	24.2	+-	.7 ; 3.6	18.8	+-	.8 ; 6.4
025	35	4.4	22.2	+-	.7 ; 3.3	16.9	+-	.7 ; 6.2
026	67	4.3	23.8	+-	.7 ; 3.6	18.4	+-	.8 ; 6.3
027	88	4.1	25.1	+-	.8 ; 3.8	19.8	+-	.8 ; 6.5
028	110	4.5	24.7	+-	.7 ; 3.7	19.4	+-	.8 ; 6.4
029	128	4.4	MISSING OR DAMAGED DOSIMETER					
030	112	16.	23.0	+-	.7 ; 3.5	17.7	+-	.8 ; 6.3
031	127	9.4	21.8	+-	.7 ; 3.3	16.5	+-	.7 ; 6.2
032	162	11'	25.1	+-	.8 ; 3.8	19.8	+-	.8 ; 6.5
033	153	5.2	24.0	+-	.7 ; 3.7	19.2	+-	.8 ; 6.4
034	174	4.7	25.8	+-	.8 ; 3.9	20.4	+-	.8 ; 6.5
035	197	5.2	26.4	+-	.8 ; 4.0	21.0	+-	.9 ; 6.6
036	224	4.8	23.8	+-	.7 ; 3.4	17.6	+-	.8 ; 6.3
037	220	14.	19.8	+-	.6 ; 3.0	14.5	+-	.7 ; 6.0
038	253	7.5	26.0	+-	.8 ; 3.9	20.6	+-	.8 ; 6.5
039	278	13.	24.6	+-	.7 ; 3.7	19.3	+-	.8 ; 6.4
040	285	15.	21.8	+-	.7 ; 3.3	16.5	+-	.7 ; 6.2
041	292	6.7	23.3	+-	.7 ; 3.5	18.0	+-	.8 ; 6.3
042	315	13.	25.6	+-	.8 ; 3.8	20.2	+-	.8 ; 6.5
043	5	7.5	25.7	+-	.8 ; 3.8	20.3	+-	.8 ; 6.5
044	020	8.3	25.7	+-	.8 ; 3.9	20.3	+-	.8 ; 6.5
045	315	7.5	26.6	+-	.8 ; 4.0	21.2	+-	.9 ; 6.6
046	341	7.7	25.2	+-	.8 ; 3.8	19.8	+-	.8 ; 6.5
047	355	1	24.7	+-	.7 ; 3.7	19.4	+-	.8 ; 6.4
TRANSIT DOSE =			4.9	+-	.4 ; 5.4			

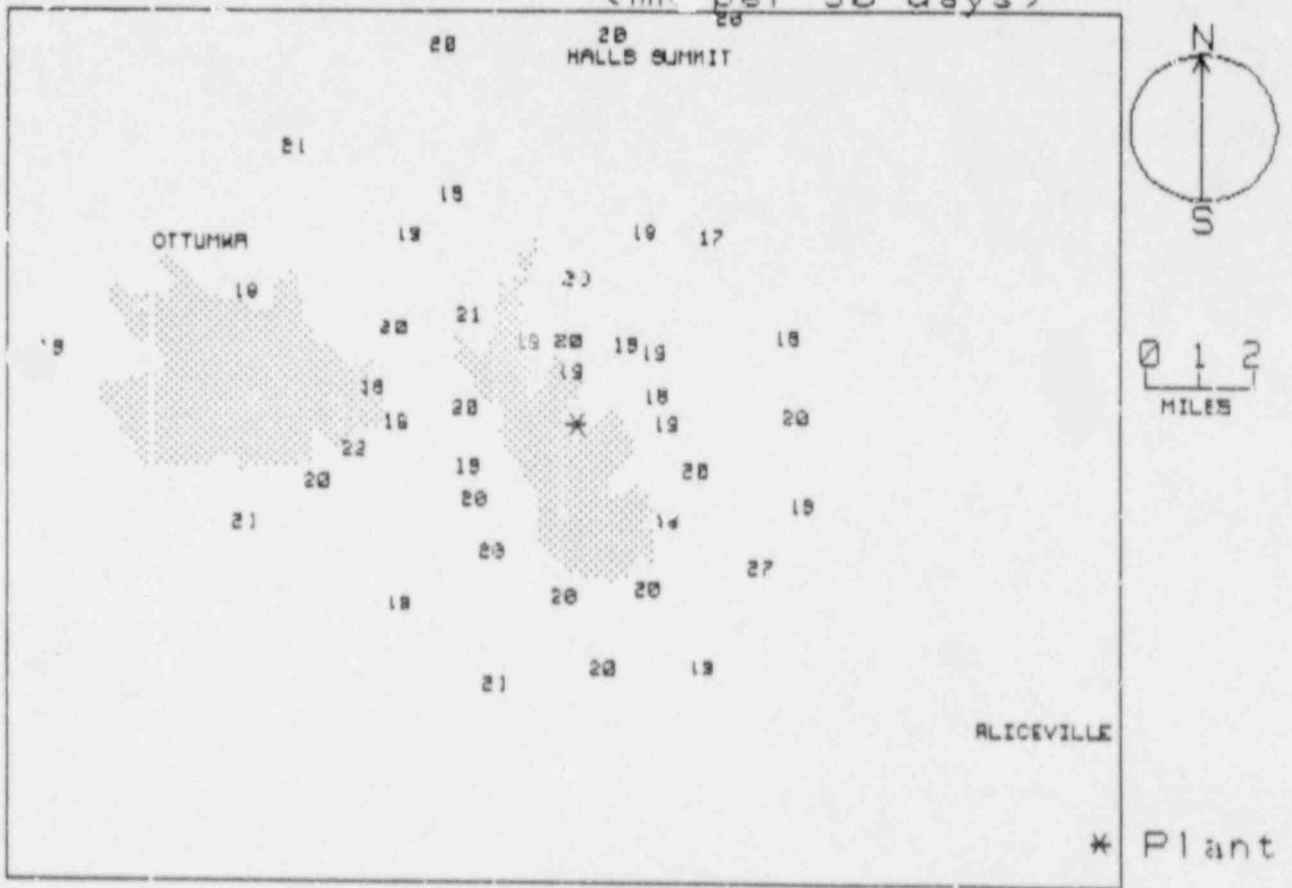
WOLF CR.  
FOR THE PERIOD 880317-880719

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	# IN GROUP
348.75-11.25 (N)	19.8 $\pm$ .5	4
11.25-33.75 (NNE)	19.5 $\pm$ .8	3
33.75-56.25 (NE)	16.8 $\pm$ 0.0	1
56.25-78.75 (ENE)	18.1 $\pm$ .4	2
78.75-101.25 (E)	19.8 $\pm$ .7	2
101.25-123.75 (ESE)	19.0 $\pm$ 1.2	3
123.75-146.25 (SE)	17.8 $\pm$ 1.6	2
146.25-168.75 (SSE)	19.5 $\pm$ .3	3
168.75-191.25 (S)	20.1 $\pm$ .4	2
191.25-213.75 (SSW)	20.8 $\pm$ .4	--
213.75-236.25 (SW)	17.4 $\pm$ 2.0	3
236.25-258.75 (WSW)	19.9 $\pm$ .7	3
258.75-281.25 (W)	18.9 $\pm$ 2.3	5
281.25-303.75 (WNW)	18.0 $\pm$ 1.6	3
303.75-326.25 (NW)	20.9 $\pm$ .4	2
326.25-348.75 (NNW)	19.7 $\pm$ .5	3

DISTANCE(mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	# IN GROUP
0-2	19.2 $\pm$ .8	6
2-5	19.3 $\pm$ 1.3	22
>5	19.0 $\pm$ 1.9	15
UPWIND CONTROL DATA	NO DATA	NO DATA

### NRC TLD DOSES FOR WOLF CREEK AREA (mR per 90 days)



YANKEE ROWE  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 880324-880715 114 DAYS  
 FIELD TIME 87 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)			NET EXPOSURE RATE		
	AZIMUTH (deg.)	DIST (mi.)	EXPOSURE (mR)			mR/Std.Qtr.		
			+- Rdm; Tot.			+- Rdm; Tot.		
001	0	.8	20.9	+-	.6 ; 3.1	18.0	+-	.7 ; 5.9
002	265	14.	17.2	+-	.5 ; 2.6	14.2	+-	.6 ; 5.6
003	137	12.	17.3	+-	.5 ; 2.6	14.3	+-	.6 ; 5.6
005	85	2.2	16.5	+-	.5 ; 2.5	13.5	+-	.6 ; 5.5
006	118	2.6	17.1	+-	.5 ; 2.6	14.0	+-	.6 ; 5.6
007	137	2.1	21.1	+-	.6 ; 3.2	18.2	+-	.7 ; 5.9
008	153	1.7	18.7	+-	.6 ; 2.8	15.8	+-	.7 ; 5.7
009	176	1.1	17.5	+-	.5 ; 2.6	14.5	+-	.6 ; 5.6
010	203	.5	19.8	+-	.6 ; 2.8	16.8	+-	.7 ; 5.7
011	219	.6	18.2	+-	.5 ; 2.7	15.2	+-	.7 ; 5.6
012	239	1.1	22.2	+-	.7 ; 3.3	19.4	+-	.8 ; 6.0
013	272	1.8	20.8	+-	.6 ; 3.1	17.9	+-	.7 ; 5.9
014	292	1.3	20.9	+-	.6 ; 3.1	18.0	+-	.7 ; 5.9
015	315	1.6	20.5	+-	.6 ; 3.1	17.6	+-	.7 ; 5.8
016	348	1.4	19.3	+-	.6 ; 2.9	16.3	+-	.7 ; 5.7
017	358	2.8	19.5	+-	.6 ; 2.9	16.5	+-	.7 ; 5.7
018	21	2.8	18.2	+-	.5 ; 2.7	15.2	+-	.7 ; 5.6
019	43	5.8	17.7	+-	.5 ; 2.7	14.7	+-	.6 ; 5.5
020	75	6	19.6	+-	.6 ; 2.9	16.6	+-	.7 ; 5.6
021	98	6	17.1	+-	.5 ; 2.6	14.1	+-	.6 ; 5.6
022	104	5.2	15.2	+-	.5 ; 2.3	12.1	+-	.6 ; 5.4
023	133	5.7	16.4	+-	.5 ; 2.5	13.3	+-	.6 ; 5.5
024	157	7.5	14.9	+-	.4 ; 2.2	11.8	+-	.6 ; 5.4
025	184	6.3	19.1	+-	.6 ; 2.9	16.1	+-	.7 ; 5.7
027	225	5.9	19.3	+-	.6 ; 2.9	16.3	+-	.7 ; 5.7
029	269	3.5	18.9	+-	.6 ; 2.8	15.9	+-	.7 ; 5.7
032	342	3.3	MISSING OR DAMAGED DOSIMETER					
034	48	7.3	19.8	+-	.6 ; 2.9	16.1	+-	.7 ; 5.7
035	39	2.3	16.1	+-	.5 ; 2.4	13.8	+-	.6 ; 5.5
047	260	9.6	19.6	+-	.6 ; 2.9	16.6	+-	.7 ; 5.8
048	261	9	20.4	+-	.6 ; 3.1	17.5	+-	.7 ; 5.8
TRANSIT DOSE = 3.5 +- .3 ; 4.7								

YANKEE ROWE  
FOR THE PERIOD 880324-880715

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	# IN GROUP
348.75-11.25 (N)	17.3 $\pm$ 1.0	2
11.25-33.75 (NNE)	15.2 $\pm$ 0.0	1
33.75-56.25 (NE)	14.6 $\pm$ 1.5	3
56.25-78.75 (ENE)	16.6 $\pm$ 0.0	1
78.75-101.25 (E)	13.8 $\pm$ .4	2
101.25-123.75 (ESE)	13.1 $\pm$ 1.4	2
123.75-146.25 (SE)	15.3 $\pm$ 2.6	3
146.25-168.75 (SSE)	13.8 $\pm$ 2.8	2
168.75-191.25 (S)	15.3 $\pm$ 1.2	2
191.25-213.75 (SSW)	16.0 $\pm$ 0.0	1
213.75-236.25 (SW)	15.8 $\pm$ .8	2
236.25-258.75 (WSW)	19.4 $\pm$ 0.0	1
258.75-281.25 (W)	16.0 $\pm$ 1.9	3
281.25-303.75 (WNW)	18.0 $\pm$ 0.0	1
303.75-326.25 (NW)	17.6 $\pm$ 0.0	1
326.25-348.75 (NNW)	16.3 $\pm$ 0.0	1

DISTANCE (mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	# IN GROUP
0-2	16.9 $\pm$ 1.5	10
2-5	15.2 $\pm$ 1.8	7
>5	14.5 $\pm$ 1.7	11
UPWIND CONTROL DATA	17.0 $\pm$ .8	2



ZION  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 880315-880718 126 DAYS  
 FIELD TIME 86 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)		NET EXPOSURE RATE	
	AZIMUTH (deg.)	DIST (mi.)	+ - Rdm	Tot.	mR/Std. Qtr. + - Rdm	Tot.
001	290	0.8	19.1	+ - .6 ; 2.9	16.1	+ - .7 ; 5.8
002	192	1.0	15.1	+ - .5 ; 2.3	12.0	+ - .6 ; 5.5
003	187	1.5	16.8	+ - .5 ; 2.5	13.7	+ - .6 ; 5.6
004	227	2.4	20.5	+ - .6 ; 3.1	17.6	+ - .7 ; 5.9
005	257	1.8	20.5	+ - .6 ; 3.1	17.6	+ - .7 ; 5.9
006	264	1.2	18.3	+ - .5 ; 2.7	15.3	+ - .7 ; 5.7
007	287	1.6	19.7	+ - .6 ; 3.0	16.8	+ - .7 ; 5.9
008	320	1.8	16.9	+ - .5 ; 2.5	13.8	+ - .6 ; 5.6
009	343	2.6	17.5	+ - .5 ; 2.6	14.5	+ - .6 ; 5.7
010	356	4.5	17.5	+ - .5 ; 2.6	14.5	+ - .6 ; 5.7
011	337	4.5	19.9	+ - .6 ; 3.0	16.9	+ - .7 ; 5.9
012	310	4.8	21.8	+ - .6 ; 3.1	18.1	+ - .7 ; 6.0
013	293	3.5	22.2	+ - .7 ; 3.3	19.4	+ - .8 ; 6.1
014	288	4.5	20.6	+ - .6 ; 3.1	17.7	+ - .7 ; 5.9
015	239	3.2	19.6	+ - .6 ; 2.9	16.7	+ - .7 ; 5.8
016	227	3.5	20.8	+ - .6 ; 3.1	17.9	+ - .7 ; 5.9
017	218	4.5	17.5	+ - .5 ; 2.6	14.4	+ - .6 ; 5.7
018	206	2.8	17.8	+ - .5 ; 2.5	14.8	+ - .6 ; 5.6
019	342	2.7	17.7	+ - .5 ; 2.7	14.7	+ - .7 ; 5.7
020	197	15'	20.2	+ - .6 ; 3.0	17.3	+ - .7 ; 5.9
021	352	7.9	18.5	+ - .6 ; 2.8	15.5	+ - .7 ; 5.7
022	348	8.3	MISSING OR DAMAGED DOSIMETER			
023	336	6.5	21.8	+ - .6 ; 3.1	18.1	+ - .7 ; 6.0
024	314	5.8	19.4	+ - .6 ; 2.9	16.5	+ - .7 ; 5.8
025	228	6.3	20.4	+ - .6 ; 3.1	17.5	+ - .7 ; 5.9
026	195	8.8	17.9	+ - .5 ; 2.7	14.9	+ - .7 ; 5.7
028	197	15'	20.3	+ - .6 ; 3.0	17.4	+ - .7 ; 5.9
030	328	9.8	19.6	+ - .6 ; 2.9	16.6	+ - .7 ; 5.8
031	229	8.8	19.3	+ - .6 ; 2.9	16.3	+ - .7 ; 5.8
032	193	14	21.9	+ - .7 ; 3.3	19.1	+ - .8 ; 6.0
TRANSIT DOSE =			3.7	+ - .3 ; 4.7		



TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
348.75-11.25 (N)	15.0 $\pm$ .7	2
11.25-33.75 (NNE)	NO DATA+-NO DATA	0
33.75-56.25 (NE)	NO DATA+-NO DATA	0
56.25-78.75 (ENE)	NO DATA+-NO DATA	0
78.75-101.25 (E)	NO DATA+-NO DATA	0
101.25-123.75 (ESE)	NO DATA+-NO DATA	0
123.75-146.25 (SE)	NO DATA+-NO DATA	0
146.25-168.75 (SSE)	NO DATA+-NO DATA	0
168.75-191.25 (S)	13.7 $\pm$ 0.0	1
191.25-213.75 (SSW)	13.8 $\pm$ 1.3	4
213.75-236.25 (SW)	17.3 $\pm$ .7	4
236.25-258.75 (WSW)	17.1 $\pm$ .8	2
258.75-281.25 (W)	16.5 $\pm$ 1.7	2
281.25-303.75 (WNW)	17.4 $\pm$ 1.7	3
303.75-326.25 (NW)	16.3 $\pm$ 1.8	4
326.25-348.75 (NNW)	16.1 $\pm$ 1.8	4

DISTANCE(mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
0-2	15.0 $\pm$ 2.0	7
2-5	16.4 $\pm$ 1.9	12
>5	16.5 $\pm$ 1.1	7
UPWIND CONTROL DATA	17.9 $\pm$ 1.0	3



SUPPLEMENT

The following pages contain corrected data and dose maps for the Comanche Peak and Waterford sites for the first quarter (January - March) of 1988. The results for these sites were incorrectly listed in the previous edition of this report (NUREG-0837, Vol. 8, No. 1).

COMANCHE PK.  
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
FOR THE PERIOD 871210-880420 132 DAYS  
FIELD TIME 92 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)			NET EXPOSURE RATE		
	AZIMUTH (deg.)	DIST (mi.)	+ -	Rdm;	Tot.	mR/Std.Qtr.	+ -	Rdm; Tot.
001	206	1.4	20.3	+-	.6 ; 3.0	14.7	+-	.7 ; 6.2
002	285	1.5	20.6	+-	.6 ; 3.1	15.0	+-	.7 ; 6.2
003	268	1.1	19.1	+-	.6 ; 2.9	13.5	+-	.7 ; 6.1
004	253	.9	18.9	+-	.6 ; 2.8	13.3	+-	.7 ; 6.1
005	219	1.0	20.1	+-	.6 ; 3.0	14.5	+-	.7 ; 6.2
006	200	1	17.6	+-	.5 ; 2.6	12.1	+-	.6 ; 6.0
007	180	1.4	17.9	+-	.5 ; 2.7	12.4	+-	.6 ; 6.0
008	163	1.6	20.9	+-	.6 ; 3.1	15.3	+-	.7 ; 6.2
009	140	1.3	19.9	+-	.6 ; 3.0	14.3	+-	.7 ; 6.2
010	118	1.5	17.3	+-	.5 ; 2.6	11.8	+-	.6 ; 6.0
011	93	1.9	17.8	+-	.5 ; 2.7	12.2	+-	.6 ; 6.0
012	73	2.4	22.9	+-	.7 ; 3.4	17.2	+-	.8 ; 6.4
013	245	1.7	18.8	+-	.6 ; 2.8	13.2	+-	.7 ; 6.1
014	156	4.3	18.6	+-	.6 ; 2.8	13.0	+-	.7 ; 6.1
015	186	7	20.1	+-	.6 ; 3.0	14.5	+-	.7 ; 6.2
016	183	4.1	21.0	+-	.6 ; 3.1	15.3	+-	.7 ; 6.2
017	205	4.3	20.4	+-	.6 ; 3.1	14.8	+-	.7 ; 6.2
018	225	3.4	17.5	+-	.5 ; 2.6	12.0	+-	.6 ; 6.0
019	245	5.2	20.0	+-	.6 ; 3.0	14.4	+-	.7 ; 6.2
020	264	5.8	18.0	+-	.5 ; 2.7	12.5	+-	.6 ; 6.0
021	258	3.2	18.4	+-	.6 ; 2.8	12.9	+-	.7 ; 6.1
022	284	5.1	17.4	+-	.5 ; 2.6	11.9	+-	.6 ; 6.0
023	313	5.8	19.5	+-	.6 ; 2.9	13.9	+-	.7 ; 6.1
024	332	4.9	19.1	+-	.6 ; 2.9	13.5	+-	.7 ; 6.1
025	9	4.6	20.5	+-	.6 ; 3.1	14.9	+-	.7 ; 6.2
026	26	4.5	19.3	+-	.6 ; 2.9	13.7	+-	.7 ; 6.1
027	47	4.1	19.7	+-	.6 ; 3.0	14.1	+-	.7 ; 6.1
028	6	1.8	19.8	+-	.6 ; 3.0	14.2	+-	.7 ; 6.1
029	16	1.9	19.3	+-	.6 ; 2.9	13.7	+-	.7 ; 6.1
030	102	3	21.0	+-	.6 ; 3.1	15.3	+-	.7 ; 6.2
031	108	3.9	18.8	+-	.6 ; 2.8	13.2	+-	.7 ; 6.1
032	135	4.6	21.5	+-	.6 ; 3.2	15.9	+-	.7 ; 6.3
033	152	6.3	18.2	+-	.5 ; 2.7	12.6	+-	.7 ; 6.0
034	47	2.9	19.2	+-	.6 ; 2.9	13.6	+-	.7 ; 6.1
035	85	4.8	19.1	+-	.6 ; 2.9	13.5	+-	.7 ; 6.1
036	115	7.5	20.8	+-	.6 ; 3.1	15.2	+-	.7 ; 6.2
037	355	9.4	18.8	+-	.6 ; 2.8	13.2	+-	.7 ; 6.1
038	337	9.2	19.5	+-	.6 ; 2.9	13.9	+-	.7 ; 6.1
039	310	9.9	18.7	+-	.6 ; 2.8	13.1	+-	.7 ; 6.1
040	302	8.1	18.3	+-	.5 ; 2.7	12.8	+-	.7 ; 6.0
041	248	7.9	20.2	+-	.6 ; 3.0	14.6	+-	.7 ; 6.2
042	90	.5	21.4	+-	.6 ; 3.2	15.7	+-	.7 ; 6.3
043	18	9.8	21.0	+-	.6 ; 3.1	15.3	+-	.7 ; 6.2
044	263	1.7	17.4	+-	.5 ; 2.6	11.8	+-	.6 ; 6.0
045	218	12.	19.2	+-	.6 ; 2.9	13.6	+-	.7 ; 6.1
046	140	12.	19.9	+-	.6 ; 3.0	14.3	+-	.7 ; 6.2
047	301	21.	19.6	+-	.6 ; 2.9	14.0	+-	.7 ; 6.1
TRANSIT DOSE =			5.3	+-	.4 ; 5.5			

COMANCHE PK.  
FOR THE PERIOD 871210-880420

225

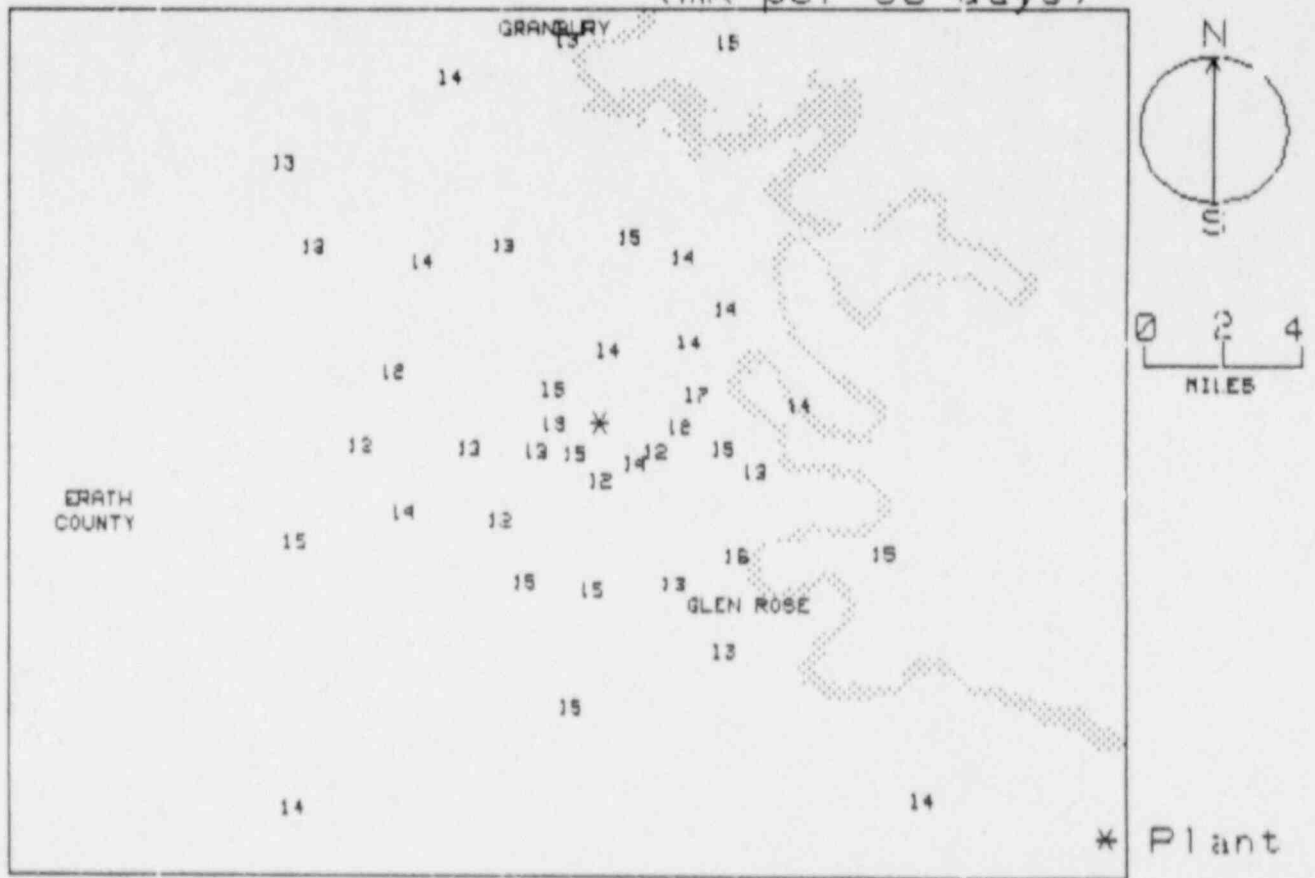
Supplement:  
First Quarter, 1988  
Corrected

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
348.75-11.25 (N)	14.1 $\pm$ .8	3
11.25-33.75 (NNE)	14.3 $\pm$ .8	3
33.75-56.25 (NE)	13.8 $\pm$ .3	2
56.25-78.75 (ENE)	17.2 $\pm$ 0.0	1
78.75-101.25 (E)	13.8 $\pm$ 1.0	3
101.25-123.75 (ESE)	13.9 $\pm$ 1.7	4
123.75-146.25 (SE)	14.8 $\pm$ .8	3
146.25-168.75 (SSE)	13.6 $\pm$ 1.5	3
168.75-191.25 (S)	14.1 $\pm$ 1.5	3
191.25-213.75 (SSW)	13.4 $\pm$ 1.9	2
213.75-236.25 (SW)	13.4 $\pm$ 1.3	3
236.25-258.75 (WSW)	13.7 $\pm$ .8	5
258.75-281.25 (W)	12.6 $\pm$ .8	3
281.25-303.75 (WNW)	13.4 $\pm$ 1.4	4
303.75-326.25 (NW)	13.9 $\pm$ .8	3
326.25-348.75 (NNW)	13.7 $\pm$ .3	2

DISTANCE(mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
0-2	13.6 $\pm$ 1.3	16
2-5	14.2 $\pm$ 1.4	15
>5	13.7 $\pm$ 1.0	16
UPWIND CONTROL DATA	NO DATA	NO DATA

NRC TLD DOSES FOR COMANCHE PEAK AREA  
(mR per 90 days)



WATERFORD  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 871210-880412 124 DAYS  
 FIELD TIME 83 DAYS

Supplement:  
 First Quarter, 1988  
 Corrected

NRC STATION	LOCATION		GROSS EXPOSURE (mR)			NET EXPOSURE RATE mR/Std.Qtr.		
	AZIMUTH (deg.)	DIST (mi.)	+ -	Rdm;	Tot.	+ -	Rdm;	Tot.
001	101	0.4	19.0	+-	.6 ; 2.8	14.9	+-	.7 ; 6.4
002	116	1.1	18.7	+-	.6 ; 2.8	14.6	+-	.7 ; 6.4
003	132	1.3	21.8	+-	.7 ; 3.3	17.9	+-	.8 ; 6.6
004	160	1.8	19.0	+-	.6 ; 2.9	15.0	+-	.7 ; 6.4
005	183	1.4	17.8	+-	.5 ; 2.7	13.7	+-	.7 ; 6.3
006	202	1.2	19.4	+-	.6 ; 2.9	15.4	+-	.7 ; 6.4
007	226	1.2	18.3	+-	.5 ; 2.7	14.1	+-	.7 ; 6.3
008	240	1.3	21.2	+-	.6 ; 3.2	17.3	+-	.8 ; 6.6
009	265	1.9	17.6	+-	.5 ; 2.6	13.4	+-	.7 ; 6.3
010	186	4.2	21.4	+-	.6 ; 3.2	17.5	+-	.8 ; 6.6
011	315	4.4	21.7	+-	.7 ; 3.3	17.9	+-	.8 ; 6.6
012	328	4.1	22.2	+-	.7 ; 3.3	18.4	+-	.8 ; 6.7
013	309	0.8	18.6	+-	.6 ; 2.8	14.5	+-	.7 ; 6.4
014	273	0.9	MISSING OR DAMAGED DOSIMETER					
015	292	0.8	17.8	+-	.5 ; 2.7	13.7	+-	.7 ; 6.3
016	335	0.5	16.7	+-	.5 ; 2.5	12.5	+-	.7 ; 6.2
017	120	4.3	17.5	+-	.5 ; 2.6	13.3	+-	.7 ; 6.3
018	145	3.5	MISSING OR DAMAGED DOSIMETER					
019	153	0.1	19.1	+-	.6 ; 2.9	15.0	+-	.7 ; 6.4
020	133	0.1	19.5	+-	.6 ; 2.9	15.4	+-	.7 ; 6.4
021	116	6.7	19.1	+-	.6 ; 2.9	15.0	+-	.7 ; 6.4
022	95	4.3	18.1	+-	.5 ; 2.7	14.0	+-	.7 ; 6.3
023	86	2.6	19.4	+-	.6 ; 2.9	15.4	+-	.7 ; 6.4
024	66	4.2	21.6	+-	.6 ; 3.2	17.7	+-	.8 ; 6.6
025	37	3.5	20.7	+-	.6 ; 3.1	16.8	+-	.8 ; 6.5
026	23	3.8	17.8	+-	.5 ; 2.7	13.7	+-	.7 ; 6.3
027	350	4.9	19.0	+-	.6 ; 2.9	15.0	+-	.7 ; 6.4
028	335	5.0	18.5	+-	.6 ; 2.8	14.4	+-	.7 ; 6.4
029	6	2.8	19.4	+-	.6 ; 2.9	15.3	+-	.7 ; 6.4
030	356	1.1	18.2	+-	.5 ; 2.7	14.1	+-	.7 ; 6.3
031	15	0.8	21.1	+-	.6 ; 3.2	17.2	+-	.8 ; 6.6
032	40	0.8	19.1	+-	.6 ; 2.9	15.0	+-	.7 ; 6.4
033	69	1.1	19.0	+-	.6 ; 2.8	14.9	+-	.7 ; 6.4
034	292	15.	19.4	+-	.6 ; 2.9	15.4	+-	.7 ; 6.4
035	282	27.	21.7	+-	.6 ; 3.2	17.8	+-	.8 ; 6.6
036	268	21.	18.9	+-	.6 ; 2.8	14.8	+-	.7 ; 6.4
TRANSIT DOSE =			5.2	+-	.4 ; 5.2			

WATERFORD  
FOR THE PERIOD 871210-880412

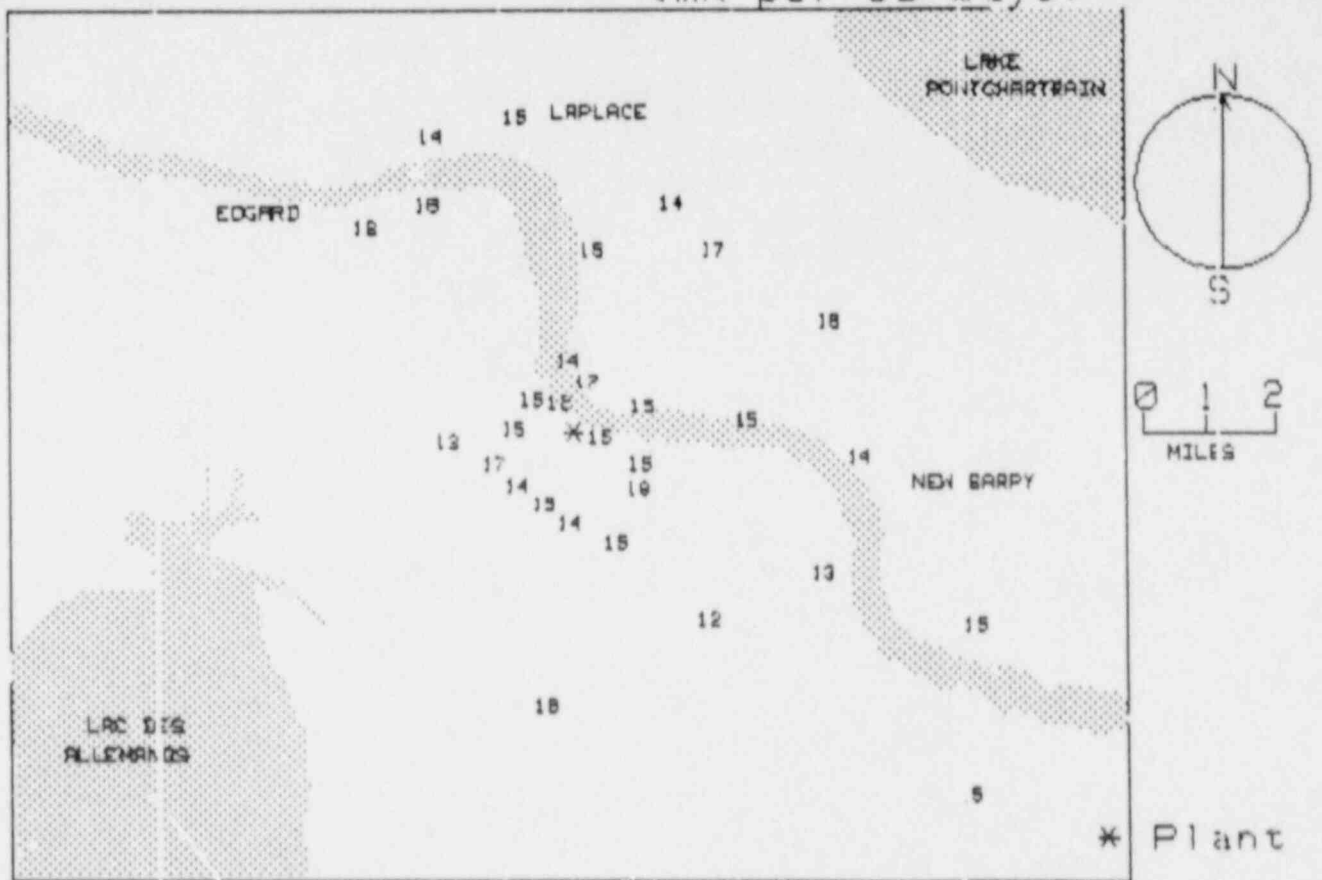
## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	# IN GROUP
348.75-11.25 (N)	14.8 $\pm$ .6	3
11.25-33.75 (NNE)	15.4 $\pm$ 2.5	2
33.75-56.25 (NE)	15.8 $\pm$ 1.3	2
56.25-78.75 (ENE)	16.3 $\pm$ 2.0	2
78.75-101.25 (E)	14.8 $\pm$ .7	3
101.25-123.75 (ESE)	14.3 $\pm$ .9	3
123.75-146.25 (SE)	16.7 $\pm$ 1.8	2
146.25-168.75 (SSE)	15.0 $\pm$ .0	2
168.75-191.25 (S)	15.6 $\pm$ 2.7	2
191.25-213.75 (SSW)	15.4 $\pm$ 0.0	1
213.75-236.25 (SW)	14.1 $\pm$ 0.0	1
236.25-258.75 (WSW)	17.3 $\pm$ 0.0	1
258.75-281.25 (W)	13.4 $\pm$ 0.0	1
281.25-303.75 (WNW)	13.7 $\pm$ 0.0	1
303.75-326.25 (NW)	16.2 $\pm$ 2.4	2
326.25-348.75 (NNW)	15.1 $\pm$ 3.0	3

DISTANCE(mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	# IN GROUP
0-2	14.3 $\pm$ 1.5	18
2-5	15.8 $\pm$ 1.8	12
>5	15.2 $\pm$ .3	3
UPWIND CONTROL DATA	16.8 $\pm$ 1.6	3



NRC TLD DOSES FOR WATERFORD AREA  
(mR per 90 days)



NRC FORM 326 (2-84) NRCM 1102 3201, 3202	U.S. NUCLEAR REGULATORY COMMISSION <b>BIBLIOGRAPHIC DATA SHEET</b>	1 REPORT NUMBER (Assigned by TIDC, add Vol. No., if any) NUREG-0837 Vol. 8, No. 2					
SEE INSTRUCTIONS ON THE REVERSE		3 LEAVE BLANK					
2 TITLE AND SUBTITLE NRC TLD Direct Radiation Monitoring Network Progress Report April - June 1988		4 DATE REPORT COMPLETED <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">MONTH</td> <td style="width: 50%; text-align: center;">YEAR</td> </tr> <tr> <td style="text-align: center;">August</td> <td style="text-align: center;">1988</td> </tr> </table>		MONTH	YEAR	August	1988
MONTH	YEAR						
August	1988						
5 AUTHOR(S)  R. Struckmeyer, N. McNamara		6 DATE REPORT ISSUED <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">MONTH</td> <td style="width: 50%; text-align: center;">YEAR</td> </tr> <tr> <td style="text-align: center;">September</td> <td style="text-align: center;">1988</td> </tr> </table>		MONTH	YEAR	September	1988
MONTH	YEAR						
September	1988						
7 PERFORMING ORGANIZATION NAME AND MAILING ADDRESS (Include Zip Code)  Region I U.S. Nuclear Regulatory Commission King of Prussia, PA 19406		8 PROJECT/TASK/WORK UNIT NUMBER					
10 SPONSORING ORGANIZATION NAME AND MAILING ADDRESS (Include Zip Code)  Same as 7. above		9 FIN OR GRANT NUMBER					
12 SUPPLEMENTARY NOTES		11a TYPE OF REPORT  Quarterly					
13 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 facility sites throughout the country for the second quarter of 1988.		b PERIOD COVERED (Inclusive dates)  April - June 1988					
14 DOCUMENT ANALYSIS - KEYWORDS/DESCRIPTORS  Thermoluminescent Dosimeter (TLD) Direct Radiation Monitoring Network ambient radiation levels  c IDENTIFIERS/OPEN ENDED TERMS		15 AVAILABILITY STATEMENT  Unlimited					
17 NUMBER OF PAGES		16 SECURITY CLASSIFICATION <i>(This page)</i> Unclassified <i>(This report)</i> Unclassified					
18 PRICE		17 NUMBER OF PAGES					