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# NRC TLD Direct Radiation Monitoring Network

Progress Report  
April-June 1990

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U.S. Nuclear Regulatory  
Commission

NRC Region I

R. Struckmeyer, N. McNamara



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R. Struckmeyer, N. McNamara

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



## Preface

The U. S. Nuclear Regulatory Commission (NRC) Direct Radiation Monitoring Network is operated by the NRC in cooperation with participating states to provide continuous measurement of the ambient radiation levels around licensed NRC facilities, primarily power reactors. Ambient radiation levels result from naturally occurring radionuclides present in the soil, cosmic radiation constantly bombarding the earth from outer space, and the contribution, if any, from the monitored facilities and other man-made sources. The Network is intended to measure radiation levels during routine facility operations and to establish background radiation levels used to assess the radiological impact of an unusual condition, such as an accident. This report presents the radiation levels measured around all facilities in the Network for the first quarter of 1990. A complete listing of the site facilities monitored is included. In some instances, two power reactor facilities are monitored by the same set of dosimeters (e.g., Kewaunee and Point Beach).

All radiation measurements are made using small, passive detectors called thermoluminescent dosimeters (TLDs), which provide a quantitative measurement of the radiation levels in the area in which they are placed. Each site is monitored by arranging approximately 40 to 50 TLD stations in two concentric rings extending to about five miles from the facility. All TLD stations are outside the site boundary of the facility. A complete description of the program can be found in NUREG-0837, Volume 2, Number 4. A similar description can also be found in the fourth quarter report of each subsequent year. The National Institute of Standards and Technology (formerly the National Bureau of Standards) has performed an independent study of the following characteristics of the NRC dosimetry system; energy response, angular dependence, temperature and humidity sensitivity, fading, light dependence, self-irradiation, and reproducibility. NIST has also tested the response of the NRC's dosimetry system against the requirements of ANSI N545-1975 and NRC Regulatory Guide 4.13. Details of this testing can be found in NUREG/CR-3775.

The radiation levels are presented as gross and net exposures. The gross exposure includes naturally occurring background radiation, radiation levels resulting from a facility's operation, and the exposure received during transport and storage of the TLD. Net exposures are obtained by subtracting an estimate of the exposure received by the dosimeters during transit from the gross exposures. All exposures are normalized to a 90-day quarter (standard quarter) and reported in units of milliroentgens (mR). Station numbers for which no data are reported included stations which have been deleted, stations for which the TLD was lost during the quarter, or stations for which the TLD was damaged. When control dosimeter data are unavailable, no net exposures are calculated.

Three sets of data are presented for each site. The first set includes the TLD station number, its direction and distance from the site, the integrated gross exposure for the period, 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 (see last paragraph on pg. 2)

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.

#### CALCULATION OF "TOTAL UNCERTAINTY" TERM

Beginning with this issue of the Progress Report, the "combined total uncertainties" for the transit dose and the net exposure rates are smaller than those reported between the last quarter of 1984 and the first quarter of 1990. An error was discovered in the software for calculation of the total uncertainty of the transit dose, which caused the total uncertainty of the net exposure rates to be approximately 40 to 50 percent larger than they should have been. This error did not affect the calculation of the reported gross or net exposures or their random uncertainties; nor did it affect the total uncertainty of the gross exposures.

Sites Monitored During the First Quarter 1990

- |     |                             |     |                      |
|-----|-----------------------------|-----|----------------------|
| 1.  | Arkansas Nuclear One        | 37. | Millstone            |
| 2.  | Beaver Valley               | 38. | Monticello           |
| 3.  | Big Rock Point              | 39. | North Anna           |
| 4.  | Braidwood                   | 40. | Oconee               |
| 5.  | Browns Ferry                | 41. | Oyster Creek         |
| 6.  | Brunswick                   | 42. | Palisades            |
| 7.  | Byron                       | 43. | Palo Verde           |
| 8.  | Callaway                    | 44. | Peach Bottom         |
| 9.  | Calvert Cliffs              | 45. | Perry                |
| 10. | Catawba                     | 46. | Pilgrim              |
| 11. | Clinton                     | 47. | Prairie Island       |
| 12. | Comanche Peak               | 48. | Quad Cities          |
| 13. | 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. | Genoa                       | 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 900313-900801 142 DAYS  
 FIELD TIME 102 DAYS

NRC STATION	LOCAL AZIMUTH (deg.)	DIST (mi.)	GROSS EXPOSURE(mR)			NET EXPOSURE RATE mR/Std.Qtr.		
			+-	Rdm;	Tot.	+-	Rdm;	Tot.
001	4	0.4	24.6	+-	.7 ; 3.7	17.3	+-	.7 ; 4.4
002	353	4.1	24.2	+-	.7 ; 3.6	17.0	+-	.7 ; 4.4
003	32	1.3	25.3	+-	.8 ; 3.8	17.9	+-	.8 ; 4.5
004	13	3.3	24.7	+-	.7 ; 3.7	17.4	+-	.7 ; 4.4
005	53	1.5	23.6	+-	.7 ; 3.5	16.4	+-	.7 ; 4.3
006	37	3.6	24.5	+-	.7 ; 3.7	17.2	+-	.7 ; 4.4
007	78	2.5	25.7	+-	.8 ; 3.9	18.3	+-	.8 ; 4.5
008	60	3.2	27.1	+-	.8 ; 4.1	19.5	+-	.8 ; 4.7
009	92	0.5	25.9	+-	.8 ; 3.9	18.4	+-	.8 ; 4.5
010	83	5.5	25.1	+-	.8 ; 3.8	17.7	+-	.8 ; 4.5
011	122	2.1	23.4	+-	.7 ; 3.5	16.2	+-	.7 ; 4.3
012	109	6.8	25.2	+-	.8 ; 3.8	17.8	+-	.8 ; 4.5
013	108	2.6	22.6	+-	.7 ; 3.4	15.5	+-	.7 ; 4.2
014	130	4.9	23.8	+-	.7 ; 3.6	16.6	+-	.7 ; 4.3
016	167	4.4	26.1	+-	.8 ; 3.9	18.6	+-	.8 ; 4.6
017	171	0.4	24.2	+-	.7 ; 3.6	17.0	+-	.7 ; 4.4
018	189	3.2	25.0	+-	.7 ; 3.7	17.6	+-	.7 ; 4.4
019	205	2.9	24.1	+-	.7 ; 3.6	16.8	+-	.7 ; 4.4
020	195	5.8	23.4	+-	.7 ; 3.5	16.2	+-	.7 ; 4.3
021	235	0.5	27.3	+-	.8 ; 4.1	19.7	+-	.8 ; 4.7
022	230	3.6	MISSING OR DAMAGED DOSIMETER					
023	257	2.8	22.8	+-	.7 ; 3.4	15.7	+-	.7 ; 4.2
024	243	4.5	24.0	+-	.7 ; 3.6	16.7	+-	.7 ; 4.3
025	279	1.2	26.9	+-	.8 ; 4.0	19.3	+-	.8 ; 4.6
026	263	4.3	23.4	+-	.7 ; 3.5	16.2	+-	.7 ; 4.3
027	298	0.4	26.3	+-	.8 ; 3.9	18.8	+-	.8 ; 4.6
028	293	5.8	24.8	+-	.7 ; 3.7	17.4	+-	.7 ; 4.4
029	326	1.9	25.2	+-	.8 ; 3.8	17.8	+-	.8 ; 4.5
030	308	4.8	24.9	+-	.7 ; 3.7	17.5	+-	.7 ; 4.4
031	345	1.3	26.6	+-	.8 ; 4.0	19.0	+-	.8 ; 4.6
032	335	4.1	22.5	+-	.7 ; 3.4	15.4	+-	.7 ; 4.2
033	110	0.8	27.4	+-	.8 ; 4.1	19.7	+-	.8 ; 4.7
039	112	6.0	25.2	+-	.8 ; 3.8	17.8	+-	.8 ; 4.5
040	147	8.0	MISSING OR DAMAGED DOSIMETER					
041	106	17.	26.0	+-	.8 ; 3.9	18.5	+-	.8 ; 4.5
042	310	17.	24.4	+-	.7 ; 3.7	17.1	+-	.7 ; 4.4
043	105	5.2	22.4	+-	.7 ; 3.4	15.4	+-	.7 ; 4.2
044	315	13	MISSING OR DAMAGED DOSIMETER					
045	47	8.9	24.6	+-	.7 ; 3.7	17.3	+-	.7 ; 4.4
046	115	8.3	22.0	+-	.7 ; 3.3	15.0	+-	.7 ; 4.2
047	208	20	25.0	+-	.8 ; 3.8	17.7	+-	.8 ; 4.5
048	179	19	23.9	+-	.7 ; 3.6	16.7	+-	.7 ; 4.3
049	150	22	25.5	+-	.8 ; 3.8	18.1	+-	.8 ; 4.5
TRANSIT DOSE =			5.0	+-	.4 ; 3.4			

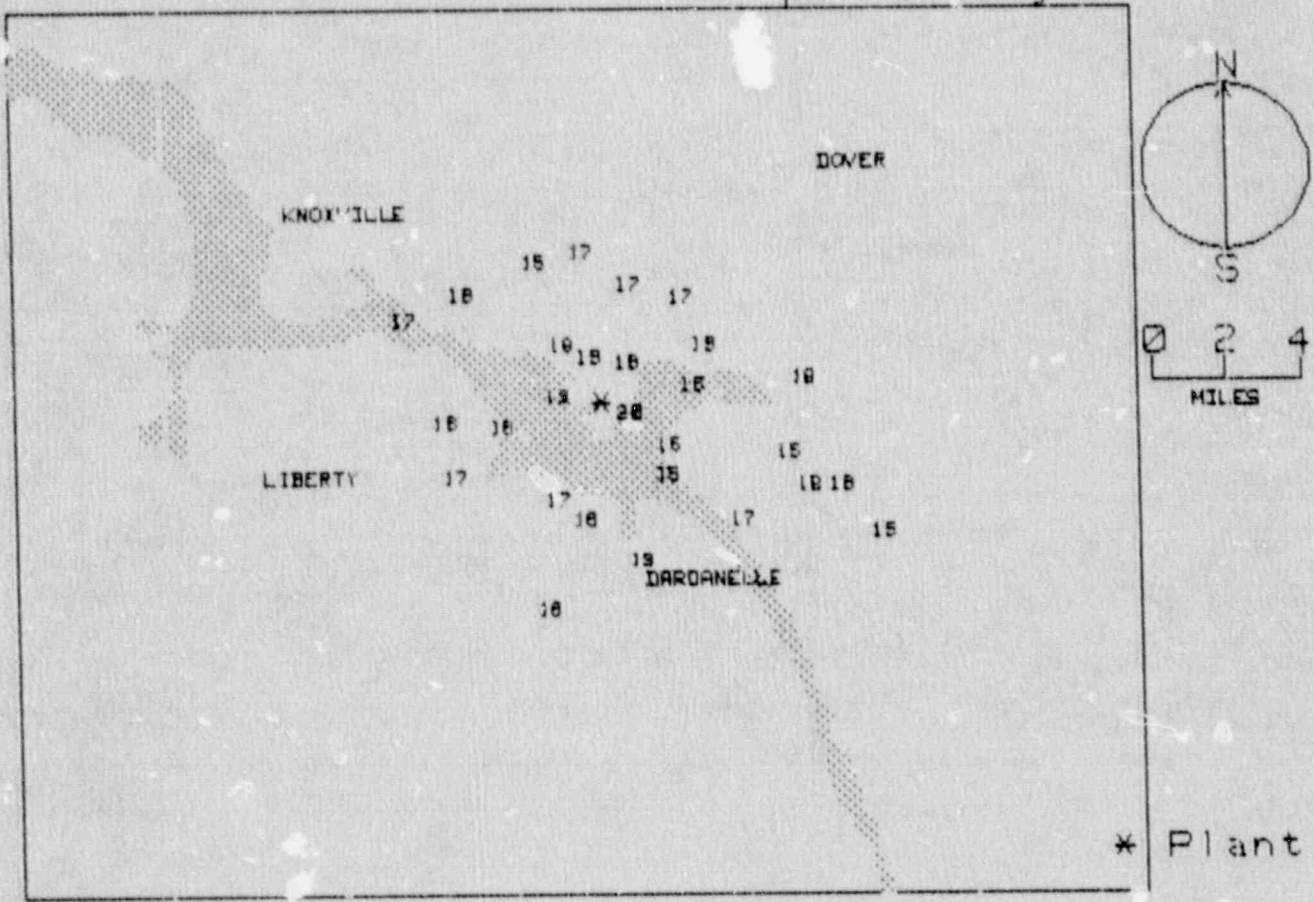
ARKANSAS  
FOR THE PERIOD 900313-900801

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	# IN GROUP
348.75-11.25 (N)	17.1 $\pm$ .2	2
11.25-33.75 (NNE)	17.6 $\pm$ .3	2
33.75-56.25 (NE)	17.8 $\pm$ .5	3
56.25-78.75 (ENE)	18.9 $\pm$ .8	2
78.75-101.25 (E)	18.1 $\pm$ .5	2
101.25-123.75 (ESE)	17.2 $\pm$ 1.7	7
123.75-146.25 (SE)	16.1 $\pm$ .8	2
146.25-168.75 (SSE)	19.6 $\pm$ 0.0	1
168.75-191.25 (S)	17.3 $\pm$ .5	2
191.25-213.75 (SSW)	16.5 $\pm$ .4	2
213.75-236.25 (SW)	19.7 $\pm$ 0.0	1
236.25-258.75 (WSW)	16.2 $\pm$ .7	2
258.75-281.25 (W)	17.8 $\pm$ 2.2	2
281.25-303.75 (WNW)	18.1 $\pm$ .9	2
303.75-326.25 (NW)	17.5 $\pm$ .3	3
326.25-348.75 (NNW)	17.2 $\pm$ 2.6	2

DISTANCE (mi) FROM THE REACTOR	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	# IN GROUP
0-2	18.3 $\pm$ 1.1	11
2-5	17.0 $\pm$ 1.1	16
>5	17.0 $\pm$ 1.1	10
UPWIND CONTROL DATA	17.5 $\pm$ .7	3

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





BEAVER VALLEY  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 900318-900731 136 DAYS  
 FIELD TIME 106 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)			NET EXPOSURE RATE mR/Std.Qtr.		
	AZIMUTH (deg.)	DIST (mi.)	+ -	Rdm;	Tot.	+ -	Rdm;	Tot.
001	44	16.	25.8	+-	.8 ; 3.9	17.8	+-	.7 ; 4.4
002	096	13.	26.0	+-	.8 ; 3.9	18.0	+-	.7 ; 4.4
004	3.	12.	29.5	+-	.9 ; 4.4	21.0	+-	.8 ; 4.6
005	55	9.4	27.2	+-	.8 ; 4.1	19.0	+-	.8 ; 4.5
006	60	9.5	29.2	+-	.9 ; 4.4	20.8	+-	.8 ; 4.7
007	357	8.0	28.5	+-	.9 ; 4.3	20.1	+-	.8 ; 4.7
008	110	4.3	28.2	+-	.8 ; 4.2	19.9	+-	.8 ; 4.6
009	110	2.2	28.9	+-	.9 ; 4.3	20.5	+-	.8 ; 4.7
010	91	2.4	28.6	+-	.9 ; 4.3	20.2	+-	.8 ; 4.7
011	77	3.7	28.7	+-	.9 ; 4.3	20.3	+-	.8 ; 4.7
012	153	4.2	30.8	+-	.9 ; 4.6	22.1	+-	.9 ; 4.9
013	170	4.4	27.4	+-	.8 ; 4.1	19.2	+-	.8 ; 4.6
014	190	4.4	28.4	+-	.9 ; 4.3	20.0	+-	.8 ; 4.7
015	208	3.5	27.8	+-	.8 ; 4.2	19.5	+-	.8 ; 4.6
016	264	5.6	26.3	+-	.8 ; 4.0	18.5	+-	.8 ; 4.5
017	270	6.3	26.5	+-	.8 ; 4.0	18.4	+-	.8 ; 4.5
018	232	2.4	28.1	+-	.8 ; 4.2	19.8	+-	.8 ; 4.6
019	267	2.3	29.5	+-	.9 ; 4.4	21.0	+-	.8 ; 4.8
020	294	3.4	24.4	+-	.7 ; 3.7	16.7	+-	.7 ; 4.3
021	286	1.4	31.1	+-	.9 ; 4.7	22.3	+-	.9 ; 4.9
022	220	1.3	26.7	+-	.8 ; 4.0	18.6	+-	.8 ; 4.5
023	255	2.3	29.4	+-	.9 ; 4.4	20.9	+-	.8 ; 4.8
024	209	2.1	28.4	+-	.9 ; 4.3	20.1	+-	.8 ; 4.7
025	186	2.1	29.1	+-	.9 ; 4.4	20.7	+-	.8 ; 4.7
026	190	2.2	28.2	+-	.8 ; 4.2	19.9	+-	.8 ; 4.6
027	125	2.0	28.7	+-	.9 ; 4.3	20.3	+-	.8 ; 4.7
028	87	1.6	31.1	+-	.9 ; 4.7	22.3	+-	.9 ; 4.9
029	59	1.5	26.5	+-	.8 ; 4.0	18.5	+-	.8 ; 4.5
030	50	1.2	28.2	+-	.8 ; 4.2	19.9	+-	.8 ; 4.6
031	320	1.2	30.4	+-	.9 ; 4.6	21.8	+-	.8 ; 4.9
032	325	3.5	29.2	+-	.9 ; 4.4	20.7	+-	.8 ; 4.7
033	341	2.5	28.1	+-	.8 ; 4.2	19.8	+-	.8 ; 4.6
034	343	5.2	25.1	+-	.8 ; 3.8	17.3	+-	.7 ; 4.3
035	9	3.6	30.0	+-	.9 ; 4.5	21.4	+-	.8 ; 4.8
036	14	3.3	32.0	+-	1.0 ; 4.8	23.1	+-	.9 ; 5.0
037	37	3.0	26.1	+-	.8 ; 3.9	18.1	+-	.7 ; 4.4
038	22	1.8	26.8	+-	.8 ; 4.0	18.7	+-	.8 ; 4.5
039	351	1.6	28.7	+-	.9 ; 4.3	20.3	+-	.8 ; 4.7
040	344	16.	24.3	+-	.7 ; 3.6	16.6	+-	.7 ; 4.3
041	344	16.	25.9	+-	.8 ; 3.9	17.9	+-	.7 ; 4.4
TRANSIT DOSE =			4.8	+-	.4 ; 3.5			

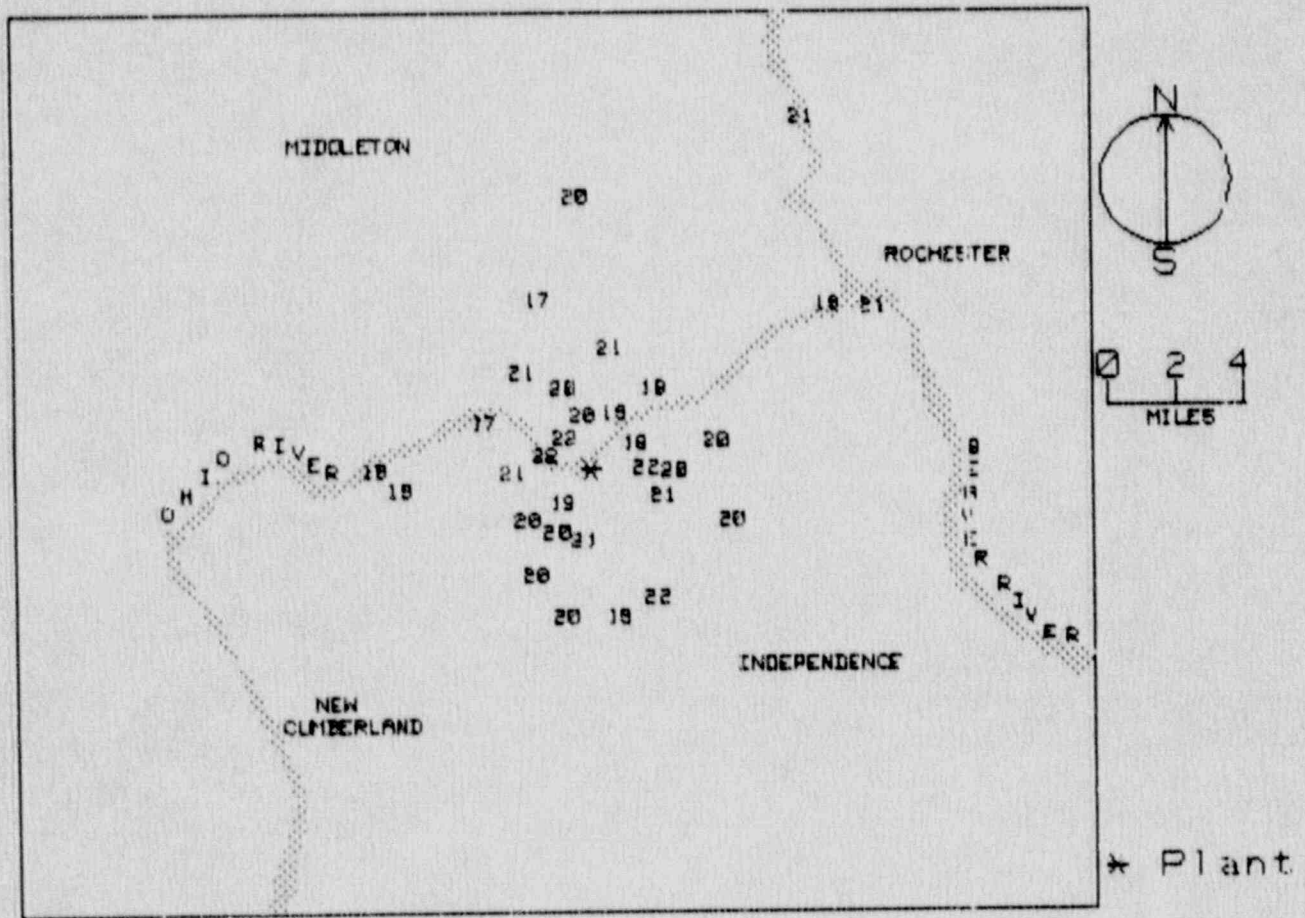
BEAVER VALLEY  
FOR THE PERIOD 900318-900731

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
348.75-11.25 (N)	20.0 $\pm$ 1.4	4
11.25-33.75 (NNE)	20.9 $\pm$ 2.2	3
33.75-56.25 (NE)	19.0 $\pm$ .8	3
56.25-78.75 (ENE)	19.8 $\pm$ 1.2	3
78.75-101.25 (E)	21.3 $\pm$ 1.5	2
101.25-123.75 (ESE)	20.2 $\pm$ .4	2
123.75-146.25 (SE)	20.3 $\pm$ 0.0	1
146.25-168.75 (SSE)	22.1 $\pm$ 0.0	1
168.75-191.25 (S)	20.0 $\pm$ .6	4
191.25-213.75 (SSW)	19.8 $\pm$ .4	2
213.75-236.25 (SW)	19.2 $\pm$ .8	2
236.25-258.75 (WSW)	20.9 $\pm$ 0.0	1
258.75-281.25 (W)	19.3 $\pm$ 1.5	3
281.25-303.75 (WNW)	19.5 $\pm$ 4.0	2
303.75-326.25 (NW)	21.2 $\pm$ .8	2
326.25-348.75 (NNW)	18.5 $\pm$ 1.8	2

DISTANCE(mi) FROM THE REACTOR	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
0-2	20.3 $\pm$ 1.6	9
2-5	20.2 $\pm$ 1.3	20
>5	19.1 $\pm$ 1.3	8
UPWIND CONTROL DATA	17.4 $\pm$ .8	3

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



BIG ROCK  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 900316-900731 138 DAYS  
 FIELD TIME 91 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)			NET EXPOSURE RATE	
	AZIMUTH (deg.)	DIST (mi.)	+- Rdm; Tot.			+- Rdm; Tot.	
001	208	4.9	20.7	+- .6	; 3.1	NO NET DATA	
002	220	3.6	18.8	+- .6	; 2.8	NO NET DATA	
003	204	2.4	19.1	+- .6	; 2.9	NO NET DATA	
004	176	3.3	19.5	+- .6	; 2.9	NO NET DATA	
005	161	4.6	19.6	+- .6	; 2.9	NO NET DATA	
006	133	4.7	22.4	+- .7	; 3.4	NO NET DATA	
007	116	3.7	22.7	+- .7	; 3.4	NO NET DATA	
008	111	4.7	22.2	+- .7	; 3.3	NO NET DATA	
009	98	4.5	19.9	+- .6	; 3.0	NO NET DATA	
010	88	2.	19.5	+- .6	; 2.9	NO NET DATA	
011	83	16.	21.8	+- .7	; 3.3	NO NET DATA	
012	83	16.	19.2	+- .6	; 2.9	NO NET DATA	
013	83	16.	19.3	+- .6	; 2.9	NO NET DATA	
014	77	3.4	18.8	+- .6	; 2.8	NO NET DATA	
015	96	1.8	21.8	+- .7	; 3.3	NO NET DATA	
016	118	2.0	20.2	+- .6	; 3.0	NO NET DATA	
017	134	2.0	21.1	+- .6	; 3.2	NO NET DATA	
018	222	1.9	18.0	+- .5	; 2.7	NO NET DATA	
019	194	1.4	22.5	+- .7	; 3.4	NO NET DATA	
020	179	1.5	20.3	+- .6	; 3.0	NO NET DATA	
021	153	1.1	20.8	+- .6	; 3.1	NO NET DATA	

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

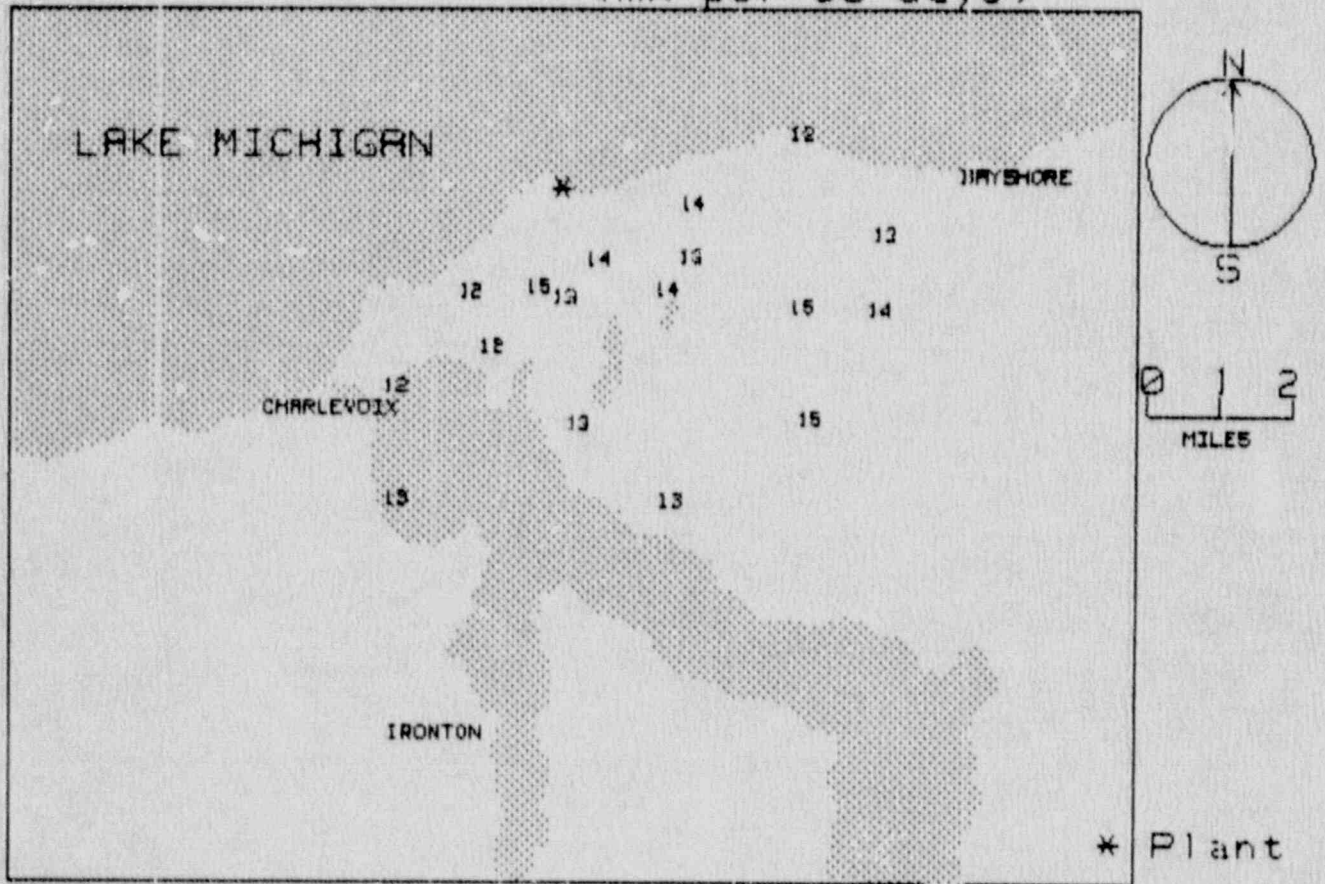
BIG ROCK  
FOR THE PERIOD 900316-900731

TLI 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)	12.3 $\pm$ 0.0	1
78.75-101.25 (E)	13.3 $\pm$ .8	3
101.25-123.75 (ESE)	14.2 $\pm$ .8	3
123.75-146.25 (SE)	14.2 $\pm$ .6	2
146.25-168.75 (SSE)	13.1 $\pm$ .6	2
168.75-191.25 (S)	13.0 $\pm$ .3	2
191.25-213.75 (SSW)	13.5 $\pm$ 1.1	3
213.75-236.25 (SW)	12.0 $\pm$ .4	2
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	13.5 $\pm$ .8	7
2-5	13.3 $\pm$ 1.0	10
>5	12.7 $\pm$ 0.0	1
UPWIND CONTROL DATA	13.1 $\pm$ 1.0	3

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



BRAIDWOOD  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 900312-900801 143 DAYS  
 FIELD TIME 92 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)		NET EXPOSURE RATE mR/Std. Dtr.			
	AZIMUTH (deg.)	DIST (mi.)	+ -	Rdm; Tot.	+ -	Rdm; Tot.		
001	351	.8	19.7	+ - .6 ; 3.0	10.3	+ - .8 ;	4.5	
002	19	1.3	24.2	+ - .7 ; 3.6	14.6	+ - .5 ;	4.9	
003	45	2	18.8	+ - .6 ; 2.8	9.4	+ - .7 ;	4.4	
004	66	2.1	24.0	+ - .7 ; 3.6	14.5	+ - .9 ;	4.9	
005	87	1.8	22.3	+ - .7 ; 3.3	12.8	+ - .8 ;	4.7	
006	114	2	MISSING OR DAMAGED DOSIMETER					
007	133	2.7	24.4	+ - .7 ; 3.7	14.9	+ - .9 ;	5.0	
008	151	2.8	23.5	+ - .7 ; 3.5	14.0	+ - .8 ;	4.9	
009	178	3.5	25.7	+ - .8 ; 3.9	16.1	+ - .9 ;	5.1	
010	197	2.8	24.0	+ - .7 ; 3.6	14.4	+ - .9 ;	4.9	
011	222	1.4	21.8	+ - .7 ; 3.3	12.3	+ - .8 ;	4.7	
012	252	1.1	21.4	+ - .6 ; 3.2	11.9	+ - .8 ;	4.6	
013	261	1.0	23.5	+ - .7 ; 3.5	13.9	+ - .8 ;	4.9	
014	278	1.2	23.8	+ - .7 ; 3.6	14.2	+ - .9 ;	4.9	
015	310	1.3	24.8	+ - .7 ; 3.7	15.2	+ - .9 ;	5.0	
016	335	1.6	19.4	+ - .6 ; 2.9	10.0	+ - .8 ;	4.5	
017	359	1.5	23.7	+ - .7 ; 3.5	14.1	+ - .9 ;	4.9	
018	018	3.5	24.7	+ - .7 ; 3.7	15.2	+ - .9 ;	5.0	
019	042	6.3	23.4	+ - .6 ; 3.1	10.9	+ - .8 ;	4.6	
020	069	5.7	22.9	+ - .7 ; 3.4	13.3	+ - .8 ;	4.8	
021	086	6.8	25.5	+ - .8 ; 3.8	15.9	+ - .9 ;	5.1	
022	100	10	20.9	+ - .6 ; 3.1	11.4	+ - .8 ;	4.6	
023	45	4.9	24.6	+ - .7 ; 3.7	15.0	+ - .9 ;	5.0	
024	070	4.2	23.8	+ - .7 ; 3.6	14.3	+ - .9 ;	4.9	
025	086	4.1	19.0	+ - .6 ; 2.9	9.6	+ - .7 ;	4.4	
026	113	4.4	MISSING OR DAMAGED DOSIMETER					
027	142	6.4	25.8	+ - .8 ; 3.9	16.2	+ - .9 ;	5.1	
028	161	6.1	24.2	+ - .7 ; 3.6	14.7	+ - .9 ;	4.9	
029	180	6.1	23.9	+ - .7 ; 3.6	14.4	+ - .9 ;	4.9	
030	191	5.8	28.5	+ - .9 ; 4.3	18.8	+ - 1.0 ;	5.4	
031	230	5.8	27.5	+ - .8 ; 4.1	17.8	+ - .9 ;	5.3	
032	266	5.3	24.0	+ - .7 ; 3.6	14.4	+ - .9 ;	4.9	
033	299	4.1	25.3	+ - .8 ; 3.8	15.7	+ - .9 ;	5.1	
034	315	4.3	25.0	+ - .8 ; 3.8	15.4	+ - .9 ;	5.0	
035	333	4.5	25.2	+ - .8 ; 3.8	15.6	+ - .9 ;	5.0	
036	000	5.9	24.4	+ - .7 ; 3.7	14.8	+ - .9 ;	5.0	
037	021	5.3	17.5	+ - .5 ; 2.6	8.1	+ - .7 ;	4.3	
038	190	10	22.5	+ - .7 ; 3.4	13.0	+ - .8 ;	4.8	
039	224	13	22.6	+ - .7 ; 3.4	13.1	+ - .8 ;	4.8	
040	224	13	27.0	+ - .8 ; 4.0	17.4	+ - .9 ;	5.2	
TRANSIT DOSE =			9.2	+ - .5 ; 3.5				

BRAIDWOOD  
FOR THE PERIOD 900312-900801

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
348.75-11.25 (N)	13.1 $\pm$ 2.5	3
11.25-33.75 (NNE)	12.6 $\pm$ 3.9	3
33.75-56.25 (NE)	11.8 $\pm$ 2.9	3
56.25-78.75 (ENE)	14.0 $\pm$ .8	3
78.75-101.25 (E)	12.4 $\pm$ 2.7	4
101.25-123.75 (ESE)	NO DATA $\pm$ NO DATA	0
123.75-146.25 (SE)	15.5 $\pm$ 1.0	2
146.25-168.75 (SSE)	14.3 $\pm$ .5	2
168.75-191.25 (S)	15.6 $\pm$ 2.5	4
191.25-213.75 (SSW)	14.4 $\pm$ 0.0	1
213.75-236.25 (SW)	15.1 $\pm$ 3.9	2
236.25-258.75 (WSW)	11.9 $\pm$ 0.0	1
258.75-281.25 (W)	14.2 $\pm$ .2	3
281.25-303.75 (WNW)	15.7 $\pm$ 0.0	1
303.75-326.25 (NW)	15.3 $\pm$ .2	2
326.25-348.75 (NNW)	12.8 $\pm$ 4.0	2

DISTANCE (mi) FROM THE REACTOR	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
0-2	12.6 $\pm$ 2.0	11
2-5	14.6 $\pm$ 1.7	12
>5	14.1 $\pm$ 2.9	13
UPWIND CONTROL DATA	15.2 $\pm$ 3.0	2



MAP FOR BRAIDWOOD

Map will be provided for this site in the future.

BROWNS FERRY  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 900317-900726 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	130	9	17.1	+-	.5 ; 2.6	13.6	+-	.6 ; 3.8
002	133	5.5	19.0	+-	.6 ; 2.9	15.5	+-	.6 ; 4.0
003	153	4.3	17.2	+-	.5 ; 2.6	13.7	+-	.6 ; 3.8
004	210	5.8	20.5	+-	.6 ; 3.1	16.9	+-	.7 ; 4.1
005	220	6	18.1	+-	.5 ; 2.7	14.6	+-	.6 ; 3.9
006	245	4.5	21.7	+-	.7 ; 3.3	18.1	+-	.7 ; 4.3
007	269	1.9	19.4	+-	.6 ; 2.9	15.9	+-	.7 ; 4.0
008	257	11.	18.5	+-	.6 ; 2.8	15.0	+-	.6 ; 3.9
009	295	7	MISSING OR DAMAGED DOSIMETER					
010	292	4.5	19.6	+-	.6 ; 2.9	16.0	+-	.7 ; 4.1
011	269	1.9	20.8	+-	.6 ; 3.1	17.3	+-	.7 ; 4.2
012	240	2.6	18.6	+-	.6 ; 2.8	15.1	+-	.6 ; 3.9
013	220	1.7	24.3	+-	.7 ; 3.6	20.7	+-	.8 ; 4.6
014	268	17	20.2	+-	.6 ; 3.0	16.6	+-	.7 ; 4.1
015	201	3	20.9	+-	.6 ; 3.1	17.3	+-	.7 ; 4.2
016	181	3	17.9	+-	.5 ; 2.7	14.4	+-	.6 ; 3.9
017	50	9.5	20.4	+-	.6 ; 3.1	16.9	+-	.7 ; 4.1
018	51	3.5	19.9	+-	.6 ; 3.0	16.3	+-	.7 ; 4.1
019	62	3.2	20.3	+-	.6 ; 3.0	16.8	+-	.7 ; 4.1
020	86	2.8	22.4	+-	.7 ; 3.4	18.8	+-	.7 ; 4.4
021	111	3.1	22.6	+-	.7 ; 3.4	19.0	+-	.7 ; 4.4
022	64	1.1	23.9	+-	.7 ; 3.6	20.3	+-	.8 ; 4.5
023	90	26	19.8	+-	.6 ; 3.0	16.2	+-	.7 ; 4.1
024	111	.8	21.4	+-	.6 ; 3.2	17.8	+-	.7 ; 4.2
025	46	2.2	21.3	+-	.6 ; 3.2	17.7	+-	.7 ; 4.2
026	26	1.7	23.1	+-	.7 ; 3.5	19.5	+-	.7 ; 4.4
027	333	1.7	20.5	+-	.6 ; 3.1	16.9	+-	.7 ; 4.1
028	335	1	21.7	+-	.6 ; 3.2	18.1	+-	.7 ; 4.3
029	27	3.8	20.9	+-	.6 ; 3.1	17.3	+-	.7 ; 4.2
030	0	4	18.4	+-	.6 ; 2.8	14.9	+-	.6 ; 3.9
031	340	5.3	21.3	+-	.6 ; 3.2	17.7	+-	.7 ; 4.2
032	312	12	20.3	+-	.6 ; 3.0	16.8	+-	.7 ; 4.1
033	0	1.5	21.9	+-	.7 ; 3.3	18.3	+-	.7 ; 4.3
034	52	7	18.9	+-	.6 ; 2.9	15.4	+-	.6 ; 4.0
035	95	5.4	20.6	+-	.6 ; 3.1	17.1	+-	.7 ; 4.2
036	68	5.6	20.8	+-	.6 ; 3.1	17.3	+-	.7 ; 4.2
037	149	7.8	18.5	+-	.6 ; 2.8	15.0	+-	.6 ; 3.9
038	164	7	17.0	+-	.5 ; 2.5	13.5	+-	.6 ; 3.8
TRANSIT DOSE =			3.2	+-	.3 ; 2.9			

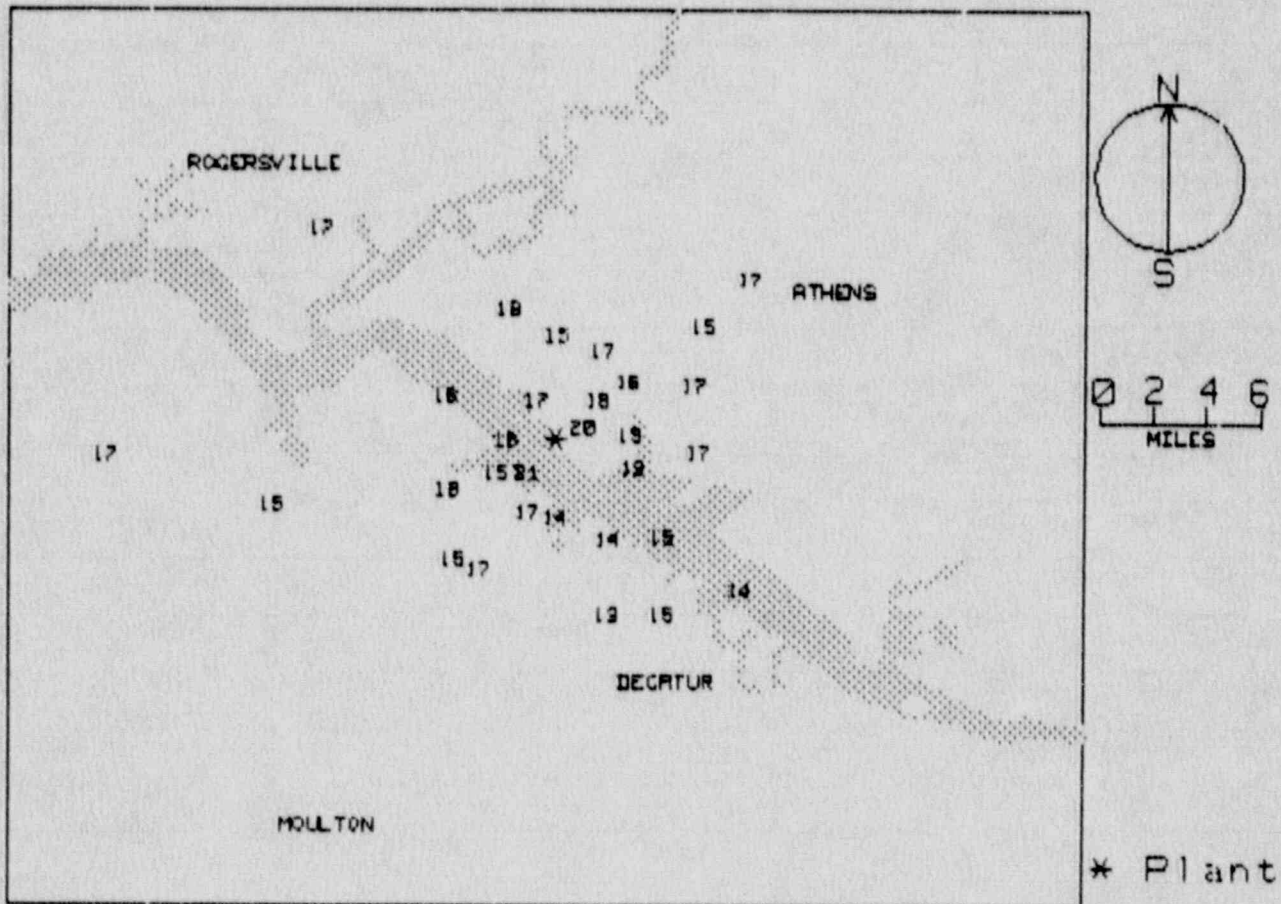
BROWNS FERRY  
FOR THE PERIOD 900317-900726

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	# IN GROUP
948.75-11.25 (N)	16.6 $\pm$ 2.4	2
11.25-33.75 (NNE)	18.4 $\pm$ 1.6	2
33.75-56.25 (NE)	16.8 $\pm$ 1.0	4
56.25-78.75 (ENE)	18.1 $\pm$ 1.9	3
78.75-101.25 (E)	17.4 $\pm$ 1.3	3
101.25-123.75 (ESE)	18.4 $\pm$ .8	2
123.75-146.25 (SE)	14.5 $\pm$ 1.3	2
146.25-168.75 (SSE)	14.1 $\pm$ .8	3
168.75-191.25 (S)	14.4 $\pm$ 0.0	1
191.25-213.75 (SSW)	17.1 $\pm$ .3	2
213.75-236.25 (SW)	17.6 $\pm$ 4.3	2
236.25-258.75 (WSW)	16.6 $\pm$ 2.2	2
258.75-281.25 (W)	16.6 $\pm$ 1.0	2
281.25-303.75 (WNW)	16.0 $\pm$ 0.0	1
303.75-326.25 (NW)	16.8 $\pm$ 0.0	1
326.25-348.75 (NNW)	17.6 $\pm$ .6	3

DISTANCE (mi) FROM THE REACTOR	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	# IN GROUP
0-2	18.3 $\pm$ 1.6	9
2-5	16.6 $\pm$ 1.7	13
>5	15.9 $\pm$ 1.4	13
UPWIND CONTROL DATA	15.8 $\pm$ 1.1	2

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



BRUNSWICK  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 900317-900726 132 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	260	2.2	14.6 +- .4	; 2.2	8.3 +- .5	; 3.6
002	245	3.4	15.4 +- .5	; 2.3	9.8 +- .5	; 3.6
003	231	3.8	15.3 +- .5	; 2.3	8.9 +- .5	; 3.6
004	210	4.9	17.1 +- .5	; 2.6	10.5 +- .6	; 3.7
005	186	4.3	17.6 +- .5	; 2.6	10.9 +- .6	; 3.8
006	270	4.5	15.6 +- .5	; 2.3	9.1 +- .5	; 3.6
007	272	4.4	17.8 +- .5	; 2.5	10.4 +- .6	; 3.7
008	73	1.3	17.5 +- .5	; 2.6	10.8 +- .6	; 3.8
009	97	1.0	16.5 +- .5	; 2.5	10.0 +- .6	; 3.7
010	120	1.5	17.7 +- .5	; 2.6	11.0 +- .6	; 3.8
011	131	0.9	17.4 +- .5	; 2.6	10.7 +- .6	; 3.8
012	156	1.1	17.7 +- .5	; 2.6	11.0 +- .6	; 3.8
013	180	1.1	17.7 +- .5	; 2.6	11.0 +- .6	; 3.8
014	194	2.4	15.6 +- .5	; 2.3	9.2 +- .5	; 3.6
015	201	2.0	16.0 +- .5	; 2.4	9.5 +- .6	; 3.7
016	218	1.2	16.5 +- .5	; 2.5	9.9 +- .6	; 3.7
017	252	1.1	17.8 +- .5	; 2.5	10.4 +- .6	; 3.7
018	272	1.2	MISSING OR DAMAGED DOSIMETER			
019	19	1.1	16.3 +- .5	; 2.4	9.8 +- .6	; 3.7
020	2	1.1	14.8 +- .4	; 2.2	8.4 +- .5	; 3.6
021	288	1.3	16.6 +- .5	; 2.5	10.0 +- .6	; 3.7
022	307	1.5	15.7 +- .5	; 2.4	9.3 +- .5	; 3.6
023	338	2.1	17.0 +- .5	; 2.5	10.4 +- .6	; 3.7
024	325	4.9	15.6 +- .5	; 2.3	9.1 +- .5	; 3.6
025	338	3.8	17.3 +- .5	; 2.6	10.6 +- .6	; 3.8
026	356	5.2	16.4 +- .5	; 2.5	9.9 +- .6	; 3.7
027	30	5.4	16.5 +- .5	; 2.5	9.9 +- .6	; 3.7
028	43	9.0	15.6 +- .5	; 2.3	9.1 +- .5	; 3.6
029	50	8.5	14.7 +- .4	; 2.2	8.4 +- .5	; 3.6
030	59	7.2	16.8 +- .5	; 2.5	10.2 +- .6	; 3.7
031	65	6.5	16.7 +- .5	; 2.5	10.1 +- .6	; 3.7
032	74	5.8	15.8 +- .5	; 2.4	9.3 +- .6	; 3.6
033	88	4.1	15.6 +- .5	; 2.3	9.2 +- .5	; 3.6
034	12	17.	17.2 +- .5	; 2.6	10.6 +- .6	; 3.8
035	16	18.	15.5 +- .5	; 2.3	9.1 +- .5	; 3.6
036	284	16.	17.4 +- .5	; 2.6	10.8 +- .6	; 3.8
037	284	16.	17.9 +- .5	; 2.7	11.2 +- .6	; 3.8
038	285	16.	MISSING OR DAMAGED DOSIMETER			
039	287	4.6	15.6 +- .5	; 2.3	9.2 +- .5	; 3.6
040	271	0.7	18.1 +- .5	; 2.7	11.4 +- .6	; 3.8
TRANSIT DOSE =			5.2 +- .4	; 3.4		

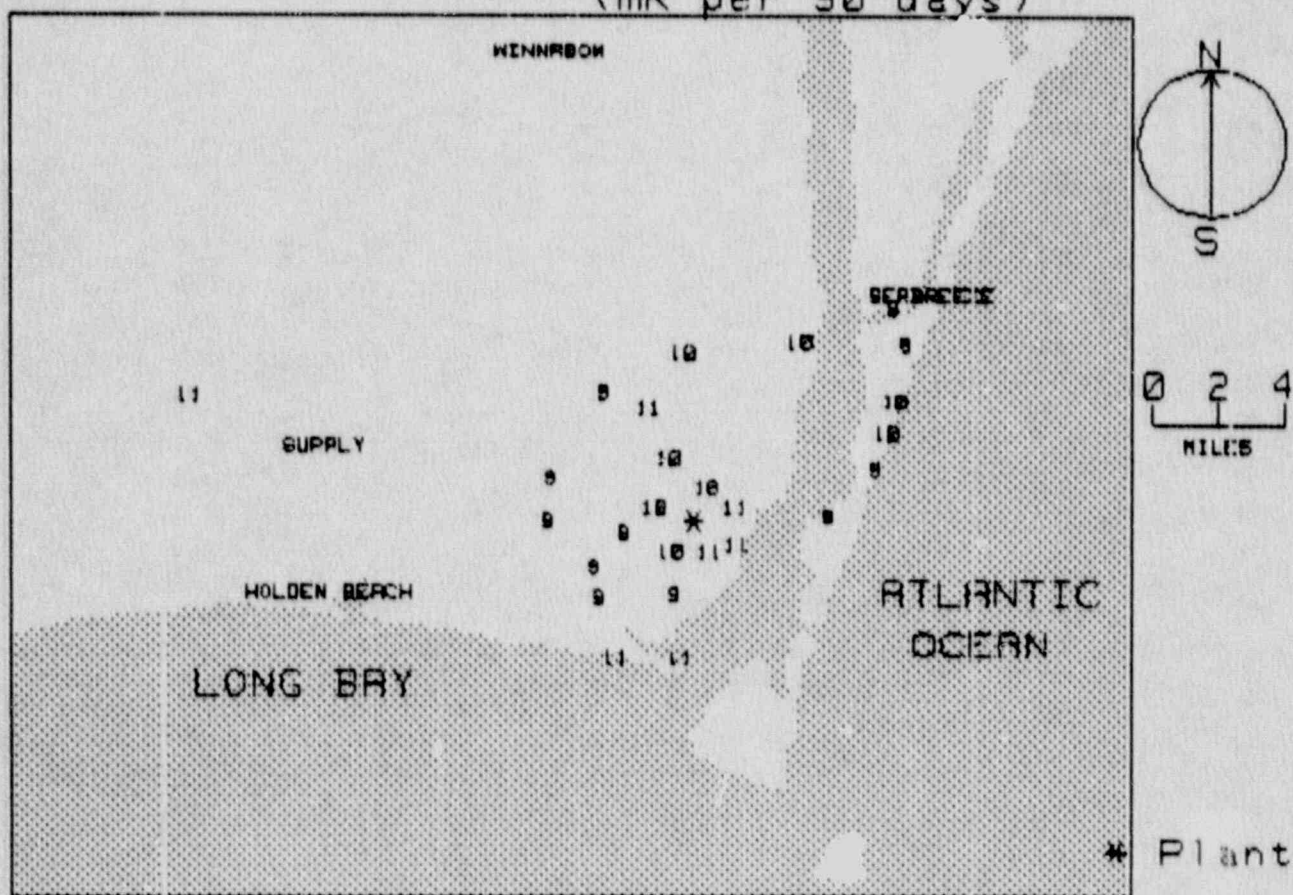
BRUNSWICK  
FOR THE PERIOD 900317-900726

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
348.75-11.25 (N)	9.2 $\pm$ 1.0	2
11.25-33.75 (NNE)	9.8 $\pm$ .6	4
33.75-56.25 (NE)	8.7 $\pm$ .6	2
56.25-78.75 (ENE)	10.1 $\pm$ .6	4
78.75-101.25 (E)	9.6 $\pm$ .6	2
101.25-123.75 (ESE)	11.0 $\pm$ 0.0	1
123.75-146.25 (SE)	10.7 $\pm$ 0.0	1
146.25-168.75 (SSE)	11.0 $\pm$ 0.0	1
168.75-191.25 (S)	11.0 $\pm$ .1	2
191.25-213.75 (SSW)	9.7 $\pm$ .7	3
213.75-236.25 (SW)	9.4 $\pm$ .7	2
236.25-258.75 (WSW)	9.7 $\pm$ 1.0	2
258.75-281.25 (W)	9.8 $\pm$ 1.4	4
281.25-303.75 (WNW)	9.6 $\pm$ .6	2
303.75-326.25 (NW)	9.2 $\pm$ .1	2
326.25-348.75 (NNW)	10.5 $\pm$ .2	2

DISTANCE(mi) FROM THE REACTOR	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
0-2	10.2 $\pm$ .8	14
2-5	9.6 $\pm$ .8	13
>5	9.6 $\pm$ .7	9
UPWIND CONTROL DATA	11.0 $\pm$ .3	2

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



## BYRON

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 900312-900801 143 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	10	1.1	23.3	+-	.7 ; 3.5	17.1	+-	.8 ; 4.6
002	23	1.0	23.8	+-	.7 ; 3.6	17.6	+-	.8 ; 4.6
003	46	1.6	23.2	+-	.7 ; 3.5	17.0	+-	.8 ; 4.6
004	68	1.6	27.9	+-	.8 ; 4.2	21.5	+-	.9 ; 5.1
005	66	1.4	27.4	+-	.8 ; 4.1	21.1	+-	.9 ; 5.0
006	112	1.3	25.6	+-	.8 ; 3.8	19.3	+-	.8 ; 4.8
007	133	1.4	28.2	+-	.8 ; 4.2	21.8	+-	.9 ; 5.1
008	75	2.2	23.8	+-	.7 ; 3.6	17.5	+-	.8 ; 4.6
009	1	0.6	21.4	+-	.6 ; 3.2	15.3	+-	.7 ; 4.4
010	183	0.5	25.9	+-	.8 ; 3.9	19.6	+-	.8 ; 4.8
011	210		25.3	+-	.8 ; 3.8	19.0	+-	.8 ; 4.8
012	236		24.4	+-	.7 ; 3.7	18.1	+-	.8 ; 4.7
013	247	0.8	22.4	+-	.7 ; 3.4	16.2	+-	.8 ; 4.5
014	262	0.7	26.2	+-	.8 ; 3.9	19.9	+-	.9 ; 4.9
015	298	0.8	25.2	+-	.8 ; 3.8	18.9	+-	.8 ; 4.8
016	326	1.0	22.3	+-	.7 ; 3.3	16.7	+-	.8 ; 4.5
017	333	1.6	23.7	+-	.7 ; 3.6	17.5	+-	.8 ; 4.6
018	23	4.0	20.8	+-	.6 ; 3.1	14.7	+-	.7 ; 4.3
019	17	4.1	19.9	+-	.6 ; 2.8	12.8	+-	.7 ; 4.1
020	5	4.3	22.6	+-	.7 ; 3.4	16.4	+-	.8 ; 4.5
021	340	4.2	26.0	+-	.8 ; 3.9	19.7	+-	.8 ; 4.9
022	322	4.9	26.8	+-	.8 ; 4.0	20.5	+-	.9 ; 5.0
023	304	6.9	21.5	+-	.6 ; 3.2	15.4	+-	.7 ; 4.4
024	270	4.8	20.4	+-	.6 ; 3.1	14.2	+-	.7 ; 4.3
025	244	4.6	21.6	+-	.6 ; 3.2	15.5	+-	.7 ; 4.4
026	224	4.8	21.6	+-	.6 ; 3.2	15.4	+-	.7 ; 4.4
027	213	5.2	20.0	+-	.6 ; 3.0	13.9	+-	.7 ; 4.2
028	209	14.	19.1	+-	.6 ; 2.9	13.0	+-	.7 ; 4.1
029	215	13.	21.8	+-	.7 ; 3.3	15.6	+-	.7 ; 4.4
030	215	13.	23.4	+-	.7 ; 3.5	17.2	+-	.8 ; 4.6
031	204	4.6	18.2	+-	.5 ; 2.7	12.2	+-	.7 ; 4.0
032	178	4.4	22.1	+-	.7 ; 3.3	15.9	+-	.7 ; 4.4
033	155	3.9	23.1	+-	.7 ; 3.5	16.9	+-	.8 ; 4.5
034	138	4.7	23.2	+-	.7 ; 3.5	17.0	+-	.8 ; 4.6
035	118	4.4	24.0	+-	.7 ; 3.6	17.8	+-	.8 ; 4.6
036	81	3.8	21.3	+-	.6 ; 3.2	15.1	+-	.7 ; 4.4
037	70	5.5	24.0	+-	.7 ; 3.6	17.8	+-	.8 ; 4.6
038	45	4.0	20.9	+-	.6 ; 3.1	14.7	+-	.7 ; 4.3
039	40	6.8	23.9	+-	.7 ; 3.6	17.7	+-	.8 ; 4.6
040	45	15.	19.4	+-	.6 ; 2.9	13.3	+-	.7 ; 4.2
041	320	3.0	26.7	+-	.8 ; 4.0	20.3	+-	.9 ; 4.9
TRANSIT DOSE =			5.6	+-	.4 ; 3.2			



BYRON  
FOR THE PERIOD 900312-900801

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	# IN GROUP
348.75-11.25 (N)	16.7 $\pm$ .5	2
11.25-33.75 (NNE)	15.0 $\pm$ 2.4	3
33.75-56.25 (NE)	15.7 $\pm$ 2.0	4
56.25-78.75 (ENE)	19.8 $\pm$ 2.6	2
78.75-101.25 (E)	18.1 $\pm$ 4.2	2
101.25-123.75 (ESE)	18.8 $\pm$ 1.1	2
123.75-146.25 (SE)	19.4 $\pm$ 3.4	2
146.25-168.75 (SSE)	16.1 $\pm$ 1.1	2
168.75-191.25 (S)	17.7 $\pm$ 1.8	3
191.25-213.75 (SSW)	15.0 $\pm$ 3.6	3
213.75-236.25 (SW)	16.8 $\pm$ 1.9	2
236.25-258.75 (WSW)	15.8 $\pm$ .5	2
258.75-281.25 (W)	17.1 $\pm$ 4.0	2
281.25-303.75 (WNW)	18.9 $\pm$ 0.0	1
303.75-326.25 (NW)	18.1 $\pm$ 2.7	4
326.25-348.75 (NNW)	18.8 $\pm$ 1.6	2

DISTANCE(mi) FROM THE REACTOR	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	# IN GROUP
0-2	18.5 $\pm$ 2.0	16
2-5	16.3 $\pm$ 2.4	17
>5	15.6 $\pm$ 2.1	5
UPWIND CONTROL DATA	15.3 $\pm$ 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 900316-900801 139 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	247	2.1	29.8	+ - .9 ; 4.5	23.8	+ - 1.0 ; 5.8
002	259	1.4	26.9	+ - .8 ; 4.0	20.8	+ - 1.0 ; 5.4
003	282	1.3	27.0	+ - .8 ; 4.1	20.9	+ - 1.0 ; 5.4
004	304	1.3	28.3	+ - .8 ; 4.2	22.2	+ - 1.0 ; 5.6
005	330	1.7	21.4	+ - .6 ; 3.2	14.9	+ - .8 ; 4.7
006	1	1.7	MISSING OR DAMAGED DOSIMETER			
007	23	2	22.9	+ - .7 ; 3.4	16.5	+ - .9 ; 4.9
008	77	.7	23.4	+ - .7 ; 3.5	17.1	+ - .9 ; 5.0
009	85	1.4	24.6	+ - .7 ; 3.7	18.3	+ - .9 ; 5.1
010	98	1.5	21.9	+ - .7 ; 3.3	15.5	+ - .8 ; 4.8
011	121	2	27.9	+ - .8 ; 4.2	21.6	+ - 1.0 ; 5.5
012	140	2	26.4	+ - .8 ; 4.0	20.2	+ - 1.0 ; 5.3
013	158	2.5	22.8	+ - .7 ; 3.4	16.4	+ - .9 ; 4.9
014	183	3.7	24.2	+ - .7 ; 3.6	17.9	+ - .9 ; 5.1
015	188	1.7	23.3	+ - .7 ; 3.5	17.0	+ - .9 ; 5.0
016	202	.7	22.0	+ - .7 ; 3.3	15.6	+ - .8 ; 4.8
017	237	.7	27.2	+ - .8 ; 4.1	21.0	+ - 1.0 ; 5.4
018	312	11	22.6	+ - .7 ; 3.4	16.2	+ - .8 ; 4.9
019	292	10	23.1	+ - .7 ; 3.5	16.7	+ - .9 ; 4.9
020	268	9	22.9	+ - .7 ; 3.4	16.5	+ - .9 ; 4.9
021	247	8	27.8	+ - .8 ; 4.2	21.7	+ - 1.0 ; 5.5
022	225	8	23.6	+ - .7 ; 3.5	17.2	+ - .9 ; 5.0
023	220	8	22.7	+ - .7 ; 3.4	16.3	+ - .9 ; 4.9
024	205	5.5	21.5	+ - .6 ; 3.2	15.0	+ - .8 ; 4.7
025	157	4	27.8	+ - .8 ; 4.2	21.7	+ - 1.0 ; 5.5
026	134	5	22.2	+ - .7 ; 3.3	15.8	+ - .8 ; 4.8
027	115	4.2	28.8	+ - .9 ; 4.3	22.8	+ - 1.0 ; 5.6
028	95	3.5	26.7	+ - .7 ; 4.0	20.5	+ - 1.0 ; 5.4
029	67	3.4	24.1	+ - .7 ; 3.6	17.7	+ - .9 ; 5.0
030	48	4.5	22.6	+ - .7 ; 3.4	16.2	+ - .8 ; 4.9
031	14	6.5	24.9	+ - .7 ; 3.7	18.6	+ - .9 ; 5.1
032	2	5.1	23.4	+ - .7 ; 3.5	17.1	+ - .9 ; 5.0
033	335	3.6	21.6	+ - .6 ; 3.2	15.1	+ - .8 ; 4.7
034	288	4.3	24.9	+ - .7 ; 3.7	18.6	+ - .9 ; 5.1
035	310	5.2	23.9	+ - .7 ; 3.6	17.6	+ - .9 ; 5.0
036	264	3.2	19.7	+ - .6 ; 3.0	13.1	+ - .8 ; 4.5
037	237	3.0	28.0	+ - .8 ; 4.2	21.9	+ - 1.0 ; 5.5
038	270	15.	23.5	+ - .7 ; 3.5	17.1	+ - .9 ; 5.0
039	270	15	24.7	+ - .7 ; 3.7	18.7	+ - .9 ; 5.1
040	203	20	23.8	+ - .7 ; 3.6	17.4	+ - .9 ; 5.0
TRANSIT DOSE =			7.3	+ - .4 ; 3.1		

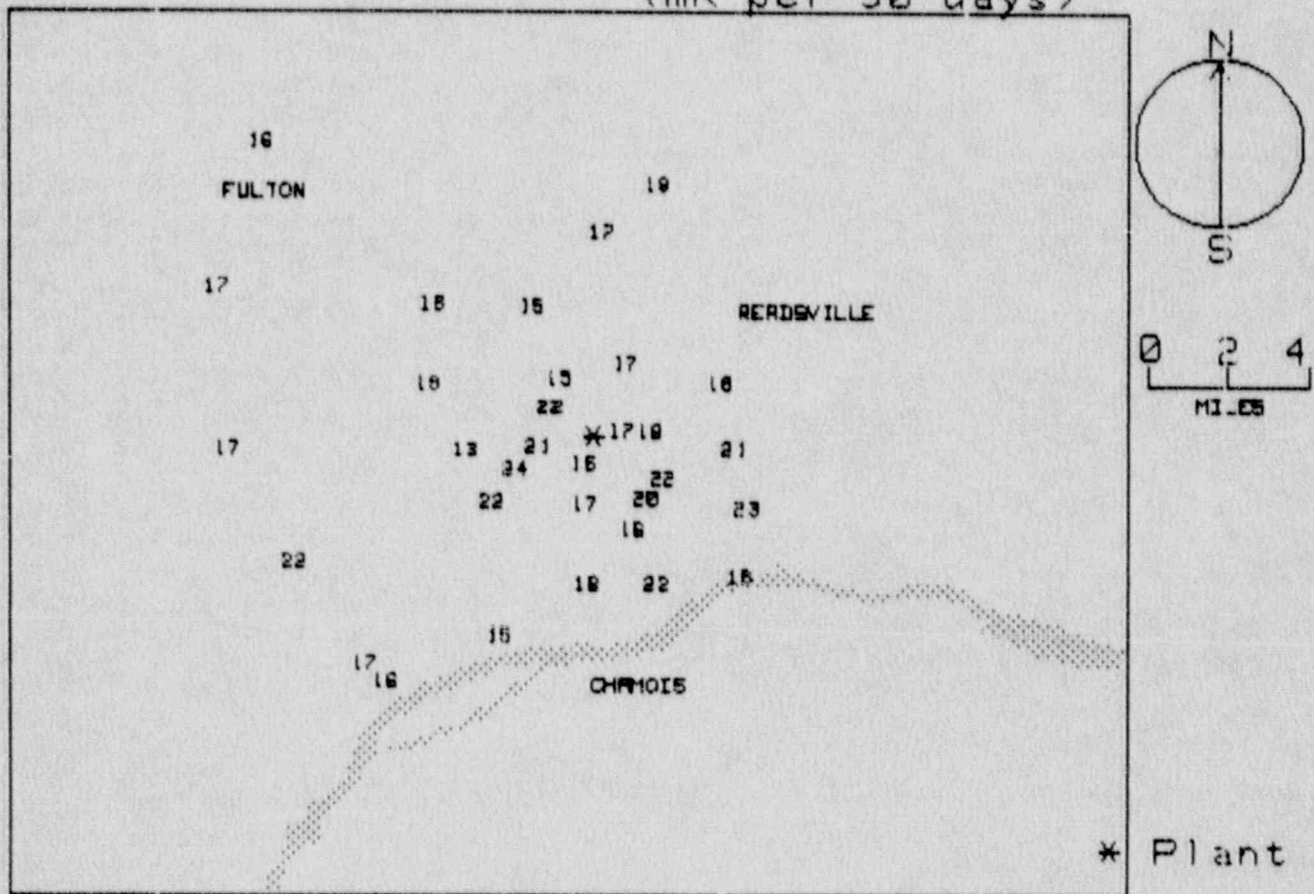
CALLAWAY  
FOR THE PERIOD 900316-900801

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
348.75-11.25 (N)	17.1 $\pm$ 0.0	1
11.25-33.75 (NNE)	17.6 $\pm$ 1.5	2
33.75-56.25 (NE)	16.2 $\pm$ 0.0	1
56.25-78.75 (ENE)	17.4 $\pm$ .5	2
78.75-101.25 (E)	18.1 $\pm$ 2.5	3
101.25-123.75 (ESE)	22.3 $\pm$ .7	2
123.75-146.25 (SE)	18.0 $\pm$ 3.1	2
146.25-168.75 (SSE)	19.0 $\pm$ 3.7	2
168.75-191.25 (S)	17.4 $\pm$ .7	2
191.25-213.75 (SSW)	15.3 $\pm$ .4	2
213.75-236.25 (SW)	16.7 $\pm$ .7	2
236.25-258.75 (WSW)	22.1 $\pm$ 1.2	4
258.75-281.25 (W)	16.8 $\pm$ 3.0	3
281.25-303.75 (WNW)	18.7 $\pm$ 2.1	3
303.75-326.25 (NW)	18.7 $\pm$ 3.2	3
326.25-348.75 (NNW)	15.0 $\pm$ .1	2

DISTANCE (mi) FROM THE REACTOR	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
0-2	18.6 $\pm$ 2.6	13
2-5	18.6 $\pm$ 3.3	13
>5	17.3 $\pm$ 1.8	10
UPWIND CONTROL DATA	17.7 $\pm$ .7	3

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



CALVERT CLIFFS  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 900412-900725 105 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	275	1.5	16.7	.5 ; 2.5	16.1	.5 ; 3.6
003	284	1.7	14.9	.4 ; 2.2	14.3	.5 ; 3.4
004	323	2.4	14.1	.4 ; 2.1	13.6	.5 ; 3.3
005	297	3.1	15.8	.5 ; 2.4	15.2	.5 ; 3.5
006	324	4.7	15.8	.5 ; 2.4	15.2	.5 ; 3.5
007	324	0.5	14.1	.4 ; 2.1	13.6	.5 ; 3.3
008	256	6.1	14.5	.4 ; 2.2	13.9	.5 ; 3.4
009	273	4.1	13.4	.4 ; 2.0	12.9	.4 ; 3.3
010	253	3.7	16.5	.5 ; 2.5	15.9	.5 ; 3.6
011	230	4	14.7	.4 ; 2.2	14.1	.5 ; 3.4
012	243	1.3	14.8	.4 ; 2.2	14.3	.5 ; 3.4
013	222	1.5	17.1	.5 ; 2.6	16.5	.5 ; 3.6
014	208	1.8	12.3	.4 ; 1.8	11.8	.4 ; 3.2
015	176	2.4	19.0	.6 ; 2.9	18.4	.6 ; 3.8
016	160	1.5	16.6	.5 ; 2.5	16.0	.5 ; 3.6
019	159	3.8	13.9	.4 ; 2.1	13.4	.5 ; 3.3
020	139	4.7	14.6	.4 ; 2.2	14.0	.5 ; 3.4
021	201	4	14.5	.4 ; 2.2	14.0	.5 ; 3.4
022	187	4.7	13.7	.4 ; 2.1	13.2	.5 ; 3.3
023	201	8.7	14.6	.4 ; 2.2	14.0	.5 ; 3.4
024	190	7.8	11.3	.3 ; 1.7	10.9	.4 ; 3.1
025	325	6.7	13.8	.4 ; 2.1	13.3	.5 ; 3.3
026	314	11.	13.6	.4 ; 2.0	13.1	.5 ; 3.3
027	314	11.	13.3	.4 ; 2.0	12.8	.4 ; 3.3
028	315	10.	18.1	.5 ; 2.7	17.5	.6 ; 3.7
029	186	12.	16.0	.5 ; 2.4	15.4	.5 ; 3.5
TRANSIT DOSE =			.0	+ .2 ; 2.7		

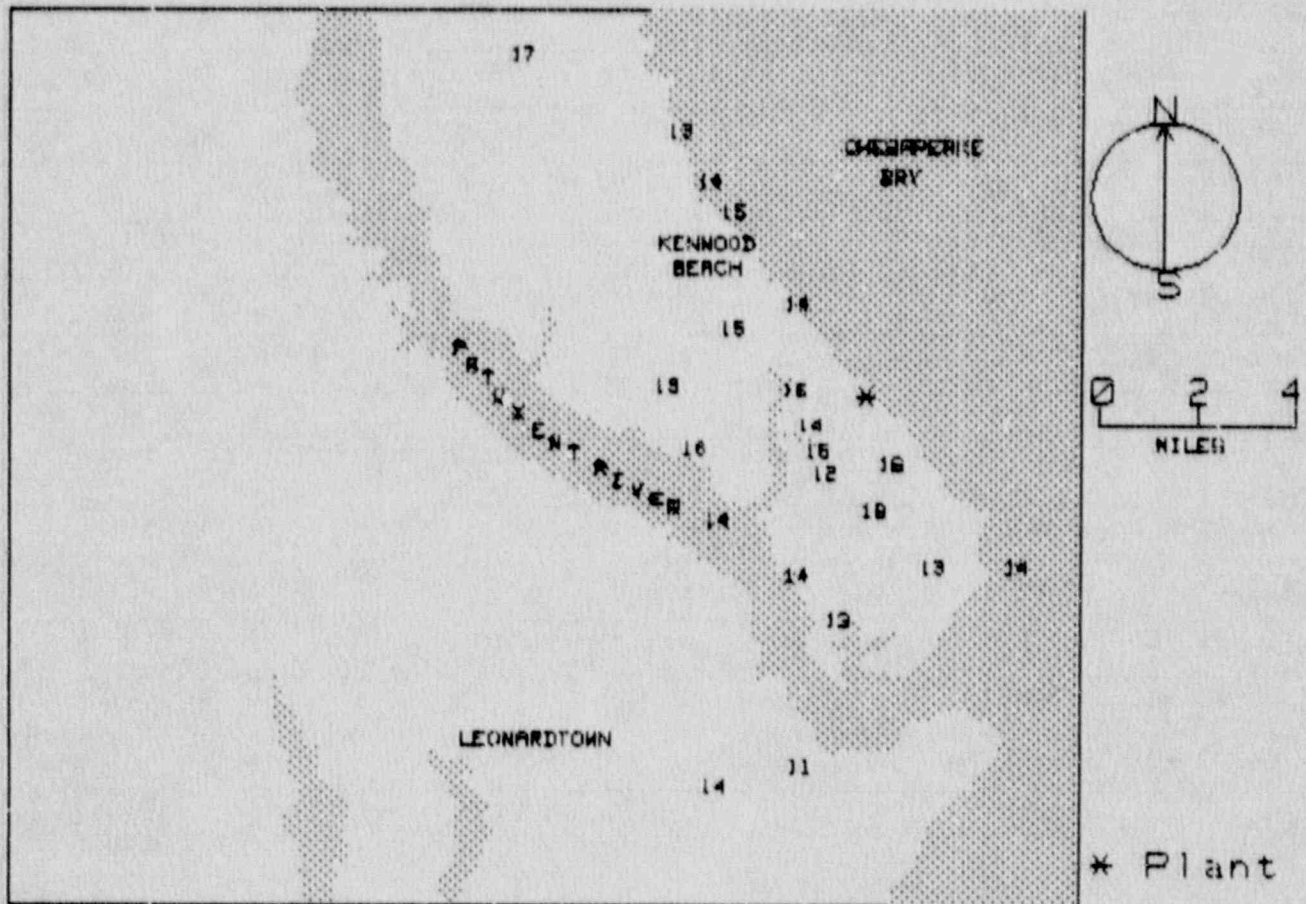
CALVERT CLIFFS  
FOR THE PERIOD 900412-900725

## 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)	14.0 $\pm$ 0.0	1
146.25-168.75 (SSE)	14.7 $\pm$ 1.0	2
168.75-191.25 (S)	14.5 $\pm$ 3.2	4
191.25-213.75 (SSW)	13.3 $\pm$ 1.3	3
213.75-236.25 (SW)	15.3 $\pm$ 1.6	2
236.25-258.75 (WSW)	14.7 $\pm$ 1.1	3
258.75-281.25 (W)	14.5 $\pm$ 2.2	2
281.25-303.75 (WNW)	14.8 $\pm$ .6	2
303.75-326.25 (NW)	13.9 $\pm$ .9	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	14.8 $\pm$ 1.7	6
2-5	14.5 $\pm$ 1.6	11
>5	13.5 $\pm$ 1.5	6
UPWIND CONTROL DATA	14.4 $\pm$ 2.6	3

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





CATAWBA  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 900317-900727 133 DAYS  
 FIELD TIME 72 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)			NET EXPOSURE RATE mR/Std. Qtr.		
	AZIMUTH (deg.)	DIST (mi.)	+ -	Rdm;	Tot.	+ -	Rdm;	Tot.
001	134	0.1	25.4	+-	.8 ; 4.0	16.8	+-	1.2 ; 6.5
002	162	0.4	23.2	+-	.7 ; 3.5	12.8	+-	1.1 ; 6.1
003	132	0.8	25.4	+-	.8 ; 3.8	15.6	+-	1.2 ; 6.4
004	111	1.3	22.6	+-	.7 ; 3.4	12.1	+-	1.1 ; 6.0
005	045	0.7	22.6	+-	.7 ; 3.4	12.1	+-	1.1 ; 6.0
006	298	1.3	23.3	+-	.7 ; 3.5	13.0	+-	1.1 ; 6.1
007	004	0.6	21.8	+-	.7 ; 3.3	11.1	+-	1.1 ; 5.9
008	332	1.5	25.8	+-	.8 ; 3.9	16.1	+-	1.2 ; 6.4
009	318	1.6	18.6	+-	.6 ; 2.8	7.1	+-	1.0 ; 5.5
010	176	1.8	22.2	+-	.7 ; 3.3	11.6	+-	1.1 ; 6.0
011	203	1.5	23.2	+-	.7 ; 3.5	12.9	+-	1.1 ; 6.1
012	225	1.5	22.1	+-	.7 ; 3.3	11.5	+-	1.1 ; 5.9
013	250	1.9	20.9	+-	.6 ; 3.1	9.9	+-	1.1 ; 5.8
014	270	1.4	20.0	+-	.6 ; 3.0	8.8	+-	1.0 ; 5.7
015	331	3.0	21.2	+-	.6 ; 3.2	10.4	+-	1.1 ; 5.8
016	311	3.9	19.8	+-	.6 ; 3.0	8.6	+-	1.0 ; 5.7
017	296	9.5	22.7	+-	.7 ; 3.4	12.2	+-	1.1 ; 6.0
018	324	4.8	20.4	+-	.6 ; 3.1	9.4	+-	1.0 ; 5.7
019	352	4.8	20.2	+-	.6 ; 3.0	9.1	+-	1.0 ; 5.7
020	022	4.0	22.8	+-	.7 ; 3.4	12.3	+-	1.1 ; 6.0
021	290	3.9	21.3	+-	.6 ; 3.2	10.4	+-	1.1 ; 5.8
022	266	4.0	19.9	+-	.6 ; 3.0	8.7	+-	1.0 ; 5.7
023	251	4.0	18.8	+-	.6 ; 2.8	7.3	+-	1.0 ; 5.5
024	229	3.9	19.1	+-	.6 ; 2.9	7.7	+-	1.0 ; 5.6
025	202	4.4	24.1	+-	.7 ; 3.6	14.0	+-	1.1 ; 6.2
026	051	4.3	25.8	+-	.8 ; 3.9	16.1	+-	1.2 ; 6.4
027	064	7.9	21.8	+-	.7 ; 3.3	11.1	+-	1.1 ; 5.9
028	061	4.9	22.1	+-	.7 ; 3.3	11.4	+-	1.1 ; 5.9
029	049	1.9	17.6	+-	.5 ; 2.6	5.8	+-	1.0 ; 5.4
030	064	1.8	22.3	+-	.7 ; 3.3	11.7	+-	1.1 ; 6.0
031	087	1.6	23.2	+-	.7 ; 3.5	12.9	+-	1.1 ; 6.1
032	121	2.6	21.9	+-	.7 ; 3.3	11.2	+-	1.1 ; 5.9
033	114	7.6	71.9	+-	2.2 ; 10.8	73.7	+-	2.8 ; 14.1 *
034	093	4.5	22.9	+-	.7 ; 3.4	12.5	+-	1.1 ; 6.1
035	132	4.3	26.9	+-	.8 ; 4.0	17.4	+-	1.2 ; 6.6
036	163	8.9	19.9	+-	.6 ; 3.0	8.7	+-	1.0 ; 5.7
037	173	4.9	21.5	+-	.6 ; 3.2	10.7	+-	1.1 ; 5.9
038	157	4.6	26.1	+-	.8 ; 3.9	16.4	+-	1.2 ; 6.5
039	248	10.	22.8	+-	.7 ; 3.4	12.3	+-	1.1 ; 6.0
040	229	12.	24.4	+-	.7 ; 3.7	14.3	+-	1.2 ; 6.2
041	218	13.	17.7	+-	.5 ; 2.7	6.0	+-	1.0 ; 5.4
042	213	16.	24.5	+-	.7 ; 3.7	14.5	+-	1.2 ; 6.3
TRANSIT DOSE =			12.9	+-	.6 ; 3.4			

\* Station no. 33: Results shown are for a TLD that apparently was deployed at the beginning of the second quarter of 1989, and retrieved with the current (second quarter of 1990) set of TLDs.

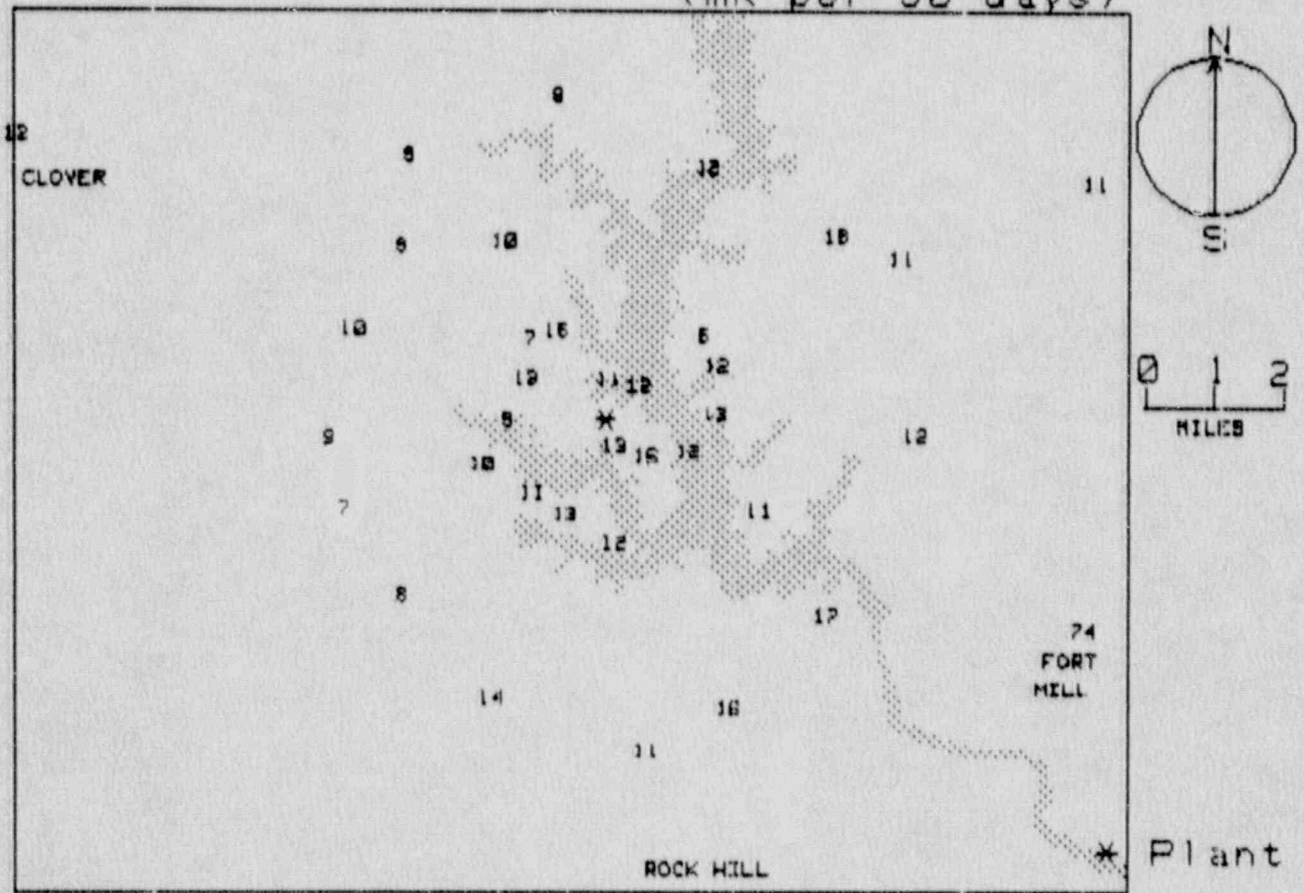
CATAWBA  
FOR THE PERIOD 900317-900727

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	# IN GROUP
348.75-11.25 (N)	10.1 $\pm$ 1.5	2
11.25-33.75 (NNE)	12.3 $\pm$ 0.0	1
33.75-56.25 (NE)	11.3 $\pm$ 5.2	3
56.25-78.75 (ENE)	11.4 $\pm$ .3	3
78.75-101.25 (E)	12.7 $\pm$ .3	2
101.25-123.75 (ESE)	32.3 $\pm$ 35.9	3
123.75-146.25 (SE)	16.6 $\pm$ .9	3
146.25-168.75 (SSE)	12.7 $\pm$ 3.6	3
168.75-191.25 (S)	11.2 $\pm$ .6	2
191.25-213.75 (SSW)	13.4 $\pm$ .8	2
213.75-236.25 (SW)	9.6 $\pm$ 2.7	2
236.25-258.75 (WSW)	9.8 $\pm$ 2.5	3
258.75-281.25 (W)	8.8 $\pm$ .0	2
281.25-303.75 (WNW)	11.9 $\pm$ 1.3	3
303.75-326.25 (NW)	8.3 $\pm$ 1.2	3
326.25-348.75 (NNW)	13.2 $\pm$ 4.1	2

DISTANCE (mi) FROM THE REACTOR	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	# IN GROUP
0-2	11.9 $\pm$ 2.9	17
2-5	11.4 $\pm$ 3.1	17
>5	23.6 $\pm$ 20.1	5
UPWIND CONTROL DATA	11.6 $\pm$ 4.9	3

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



CLINTON  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 900312-900801 143 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	352	0.6	22.0	+- .7 ; 3.3	15.5	+- .7 ; 4.4
002	7	0.7	24.9	+- .7 ; 3.7	18.3	+- .8 ; 4.7
003	26	0.8	MISSING OR DAMAGED DOSIMETER			
004	165	0.5	25.2	+- .8 ; 3.8	18.6	+- .8 ; 4.8
005	187	0.5	24.3	+- .7 ; 3.6	17.7	+- .8 ; 4.7
006	223	0.6	25.5	+- .8 ; 3.8	18.9	+- .8 ; 4.8
007	238	0.8	23.8	+- .7 ; 3.6	17.2	+- .8 ; 4.6
008	62	1.9	23.9	+- .7 ; 3.6	17.3	+- .8 ; 4.6
009	78	1.8	24.5	+- .7 ; 3.7	17.9	+- .8 ; 4.7
010	79	2.6	24.7	+- .7 ; 3.7	18.1	+- .8 ; 4.7
011	104	2.3	23.9	+- .7 ; 3.6	17.3	+- .8 ; 4.6
012	115	3.0	21.4	+- .6 ; 3.2	14.9	+- .7 ; 4.3
013	127	3.2	24.1	+- .7 ; 3.6	17.5	+- .8 ; 4.6
014	160	2.1	24.0	+- .7 ; 3.6	17.4	+- .8 ; 4.6
015	180	3.0	24.7	+- .7 ; 3.7	18.1	+- .8 ; 4.7
016	203	3.2	23.1	+- .7 ; 3.5	16.6	+- .8 ; 4.5
017	235	3.7	24.8	+- .7 ; 3.7	18.1	+- .8 ; 4.7
018	255	2.8	MISSING OR DAMAGED DOSIMETER			
019	275	2.3	22.6	+- .7 ; 3.4	16.0	+- .8 ; 4.5
020	302	0.9	23.2	+- .7 ; 3.5	16.7	+- .8 ; 4.5
021	305	0.8	22.9	+- .7 ; 3.4	16.4	+- .8 ; 4.5
022	332	0.6	24.1	+- .7 ; 3.6	17.5	+- .8 ; 4.6
023	358	4.6	24.7	+- .7 ; 3.7	18.1	+- .8 ; 4.7
024	20	3.9	22.9	+- .7 ; 3.4	16.4	+- .8 ; 4.5
025	46	5.0	24.8	+- .7 ; 3.7	18.1	+- .8 ; 4.7
026	62	5.5	22.4	+- .7 ; 3.4	15.9	+- .8 ; 4.4
027	90	4.8	22.1	+- .7 ; 3.3	15.6	+- .7 ; 4.4
028	115	5.2	23.0	+- .7 ; 3.5	16.5	+- .8 ; 4.5
029	128	5.1	24.2	+- .7 ; 3.6	17.6	+- .8 ; 4.6
030	153	5.8	24.0	+- .7 ; 3.6	17.4	+- .8 ; 4.6
031	173	5.2	24.3	+- .7 ; 3.6	17.7	+- .8 ; 4.6
032	205	4.7	23.7	+- .7 ; 3.5	17.1	+- .8 ; 4.6
033	236	5.4	23.2	+- .7 ; 3.5	16.7	+- .8 ; 4.5
034	252	5.0	22.0	+- .7 ; 3.3	15.5	+- .7 ; 4.4
035	263	6.6	MISSING OR DAMAGED DOSIMETER			
036	272	4.8	24.2	+- .7 ; 3.6	17.6	+- .8 ; 4.6
037	288	4.8	22.2	+- .7 ; 3.3	15.7	+- .7 ; 4.4
038	297	7.6	21.1	+- .6 ; 3.2	14.7	+- .7 ; 4.3
039	315	5.1	23.1	+- .7 ; 3.5	16.6	+- .8 ; 4.5
040	342	4.8	24.4	+- .7 ; 3.7	17.8	+- .8 ; 4.7
041	65	10.	MISSING OR DAMAGED DOSIMETER			
042	148	14.	22.6	+- .7 ; 3.4	16.1	+- .8 ; 4.5
043	148	14.	24.1	+- .7 ; 3.6	17.5	+- .8 ; 4.6
044	206	15.	21.5	+- .6 ; 3.2	15.0	+- .7 ; 4.4
TRANSIT DOSE =			5.8	+- .4 ; 3.2		

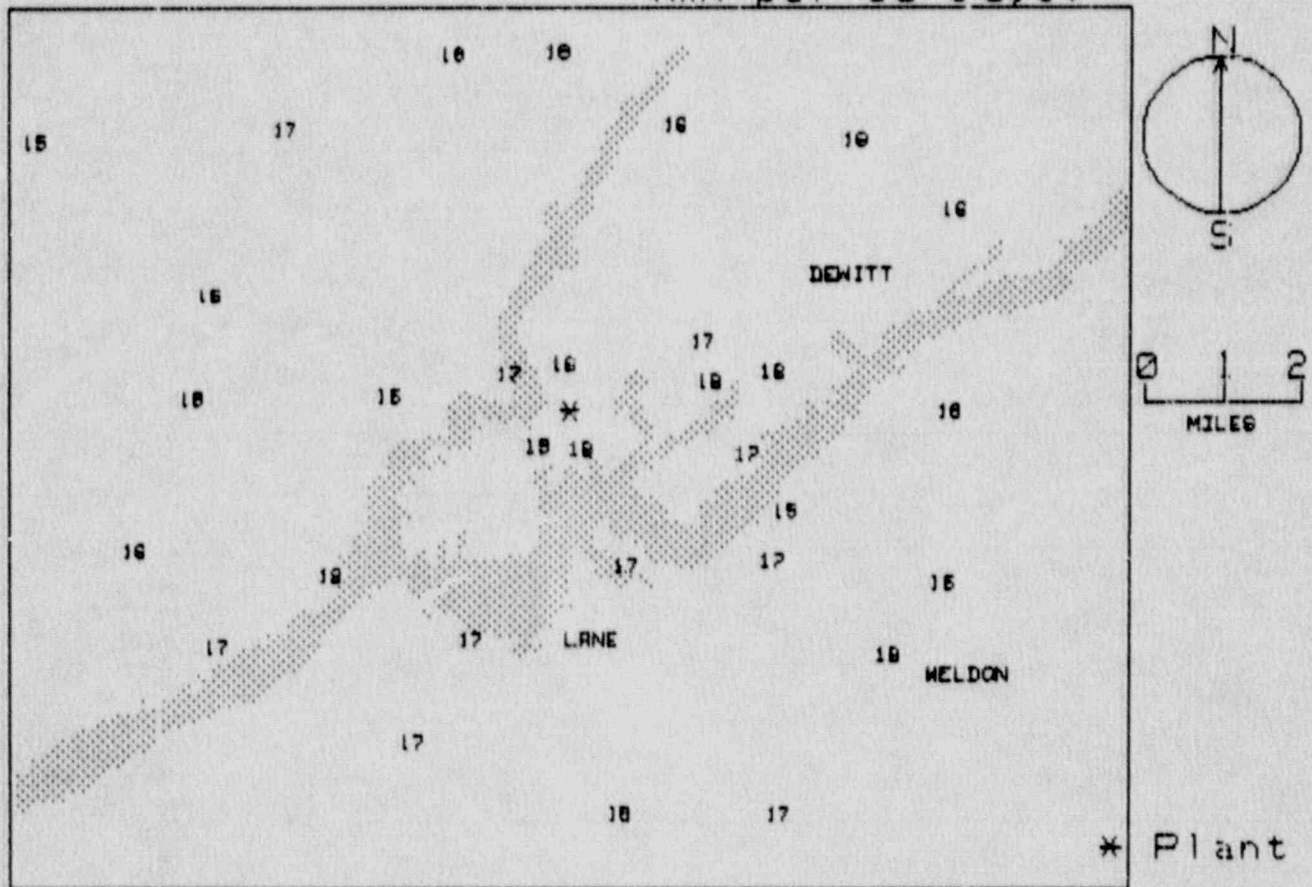
CLINTON  
FOR THE PERIOD 900312-900801

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	# IN GROUP
348.75-11.25 (N)	17.3 $\pm$ 1.6	3
11.25-33.75 (NNE)	16.4 $\pm$ 0.0	1
33.75-56.25 (NE)	16.1 $\pm$ 0.0	1
56.25-78.75 (ENE)	17.0 $\pm$ 1.0	3
78.75-101.25 (E)	16.8 $\pm$ 1.7	2
101.25-123.75 (ESE)	16.2 $\pm$ 1.2	3
123.75-146.25 (SE)	17.6 $\pm$ .1	2
146.25-168.75 (SSE)	17.8 $\pm$ .7	3
168.75-191.25 (S)	17.8 $\pm$ .2	3
191.25-213.75 (SSW)	16.8 $\pm$ .4	2
213.75-236.25 (SW)	17.9 $\pm$ 1.1	3
236.25-258.75 (WSW)	16.4 $\pm$ 1.2	2
258.75-281.25 (W)	16.8 $\pm$ 1.1	2
281.25-303.75 (WNW)	15.7 $\pm$ 1.0	3
303.75-326.25 (NW)	16.5 $\pm$ .1	2
326.25-348.75 (NNW)	17.6 $\pm$ .2	2

DISTANCE (mi) FROM THE REACTOR	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	# IN GROUP
0-2	17.4 $\pm$ 1.0	11
2-5	17.1 $\pm$ 1.0	17
>5	16.5 $\pm$ 1.0	9
UPWIND CONTROL DATA	16.2 $\pm$ 1.2	3

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



COMANCHE PK.  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 900313-900802 143 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	306	1.4	18.9	+- .6 ; 2.8	12.8	+- .6 ; 3.9	
002	285	1.5	20.9	+- .6 ; 3.1	14.7	+- .7 ; 4.1	
003	268	1.1	19.2	+- .6 ; 2.9	13.1	+- .6 ; 4.0	
004	253	.9	20.7	+- .6 ; 3.1	14.5	+- .7 ; 4.1	
005	218	1.0	21.1	+- .6 ; 3.2	14.8	+- .7 ; 4.1	
006	200	1	18.4	+- .6 ; 2.8	12.3	+- .6 ; 3.9	
007	180	1.4	18.8	+- .6 ; 2.8	12.7	+- .6 ; 3.9	
008	163	1.6	21.5	+- .6 ; 3.2	15.2	+- .7 ; 4.2	
009	140	1.3	21.1	+- .6 ; 3.2	14.8	+- .7 ; 4.1	
010	118	1.5	19.1	+- .6 ; 2.9	13.0	+- .6 ; 3.9	
011	93	1.9	23.5	+- .7 ; 3.5	17.0	+- .7 ; 4.4	
012	73	2.4	23.0	+- .7 ; 3.5	16.6	+- .7 ; 4.3	
013	245	1.7	18.9	+- .6 ; 2.8	12.8	+- .6 ; 3.9	
014	156	4.3	18.8	+- .6 ; 2.8	12.7	+- .6 ; 3.9	
015	186	7	19.7	+- .6 ; 2.9	13.5	+- .6 ; 4.0	
016	183	4.1	22.0	+- .7 ; 3.3	15.7	+- .7 ; 4.2	
017	205	4.3	22.0	+- .7 ; 3.3	15.6	+- .7 ; 4.2	
018	225	3.4	18.0	+- .5 ; 2.7	12.0	+- .6 ; 3.9	
019	245	5.2	20.7	+- .6 ; 3.1	14.5	+- .7 ; 4.1	
020	264	5.8	19.1	+- .6 ; 2.9	13.0	+- .6 ; 3.9	
021	258	3.2	18.6	+- .6 ; 2.8	12.6	+- .6 ; 3.9	
022	284	5.1	MISSING OR DAMAGED DOSIMETER				
023	313	5.8	21.0	+- .6 ; 3.1	14.7	+- .7 ; 4.1	
024	332	4.9	20.3	+- .6 ; 3.0	14.1	+- .7 ; 4.1	
025	9	4.6	20.1	+- .6 ; 3.0	13.9	+- .7 ; 4.0	
026	26	4.5	20.5	+- .6 ; 3.1	14.3	+- .7 ; 4.1	
027	47	4.1	19.0	+- .6 ; 2.9	12.9	+- .6 ; 3.9	
028	6	1.8	MISSING OR DAMAGED DOSIMETER				
029	16	1.9	19.3	+- .6 ; 2.9	13.2	+- .6 ; 4.0	
030	102	3	21.7	+- .7 ; 3.3	15.4	+- .7 ; 4.2	
031	108	3.9	21.0	+- .6 ; 3.1	14.7	+- .7 ; 4.1	
032	135	4.6	21.3	+- .6 ; 3.2	15.0	+- .7 ; 4.2	
033	152	6.0	19.0	+- .6 ; 2.9	12.9	+- .6 ; 3.9	
034	47	2.9	18.1	+- .5 ; 2.7	12.1	+- .6 ; 3.9	
035	85	4.8	19.9	+- .6 ; 3.0	13.7	+- .6 ; 4.0	
036	115	7.5	19.5	+- .6 ; 2.9	13.3	+- .6 ; 4.0	
037	355	9.4	20.6	+- .6 ; 3.1	14.3	+- .7 ; 4.1	
038	337	9.2	18.9	+- .6 ; 2.8	12.8	+- .6 ; 3.9	
039	310	9.9	19.5	+- .6 ; 2.9	13.4	+- .6 ; 4.0	
040	302	8.1	19.0	+- .6 ; 2.9	12.9	+- .6 ; 3.9	
041	248	7.9	21.4	+- .6 ; 3.2	15.1	+- .7 ; 4.2	
042	90	.5	20.1	+- .6 ; 3.0	13.9	+- .7 ; 4.0	
043	18	9.8	19.1	+- .5 ; 2.9	13.0	+- .6 ; 3.9	
044	263	1.7	17.5	+- .5 ; 2.6	11.6	+- .6 ; 3.8	
045	218	12.	19.9	+- .6 ; 3.0	13.7	+- .6 ; 4.0	
046	140	12.	20.5	+- .6 ; 3.1	14.2	+- .7 ; 4.1	
047	301	21.	19.9	+- .6 ; 3.0	13.7	+- .6 ; 4.0	

TRANSIT DOSE = 4.8 +- .4 ; 3.3

COMANCHE PK.  
FOR THE PERIOD 900313-900802

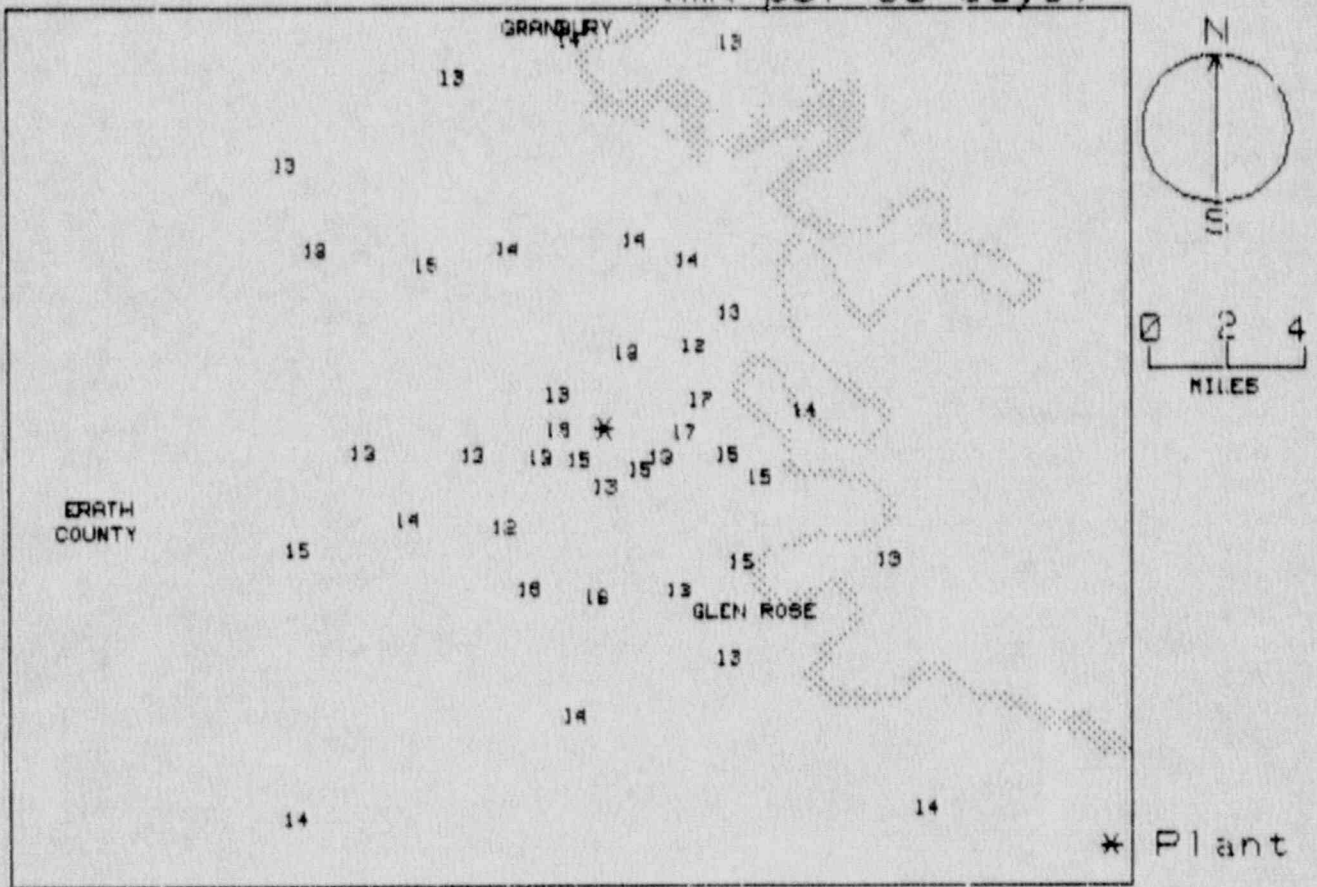
TLI DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
348.75-11.25 (N)	14.1 $\pm$ .3	2
11.25-33.75 (NNE)	13.5 $\pm$ .7	3
33.75-56.25 (NE)	12.5 $\pm$ .6	2
56.25-78.75 (ENE)	16.6 $\pm$ 0.0	1
78.75-101.25 (E)	14.8 $\pm$ 1.9	3
101.25-123.75 (ESE)	14.1 $\pm$ 1.1	4
123.75-146.25 (SE)	14.7 $\pm$ .4	3
146.25-168.75 (SSE)	13.6 $\pm$ 1.4	3
168.75-191.25 (S)	14.0 $\pm$ 1.5	3
191.25-213.75 (SSW)	14.0 $\pm$ 2.3	2
213.75-236.25 (SW)	13.5 $\pm$ 1.4	3
236.25-258.75 (WSW)	13.9 $\pm$ 1.1	5
258.75-281.25 (W)	12.5 $\pm$ .8	3
281.25-303.75 (WNW)	13.8 $\pm$ .9	3
303.75-326.25 (NW)	13.6 $\pm$ 1.0	3
326.25-348.75 (NNW)	13.4 $\pm$ .8	2

DISTANCE(mi) FROM THE REACTOR	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
0-2	13.8 $\pm$ 1.4	15
2-5	14.1 $\pm$ 1.4	15
>5	13.7 $\pm$ .7	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 900319-900802 143 DAYS  
 FIELD TIME 98 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)			NET EXPOSURE RATE		
	AZIMUTH (deg.)	DIST (mi.)	+ -	Rdm;	Tot.	mR/Std. Qtr.	+ -	Rdm;
001	363	2.4	26.7	+-	.8 ; 4.0	17.3	+-	.9 ; 4.9
002	6	3.5	26.7	+-	.9 ; 4.3	19.1	+-	.9 ; 5.1
003	18	2.7	29.2	+-	.9 ; 4.4	19.5	+-	.9 ; 5.2
004	16	3.2	28.2	+-	.8 ; 4.2	18.7	+-	.9 ; 5.1
005	47	1.9	28.1	+-	.8 ; 4.2	18.5	+-	.9 ; 5.0
006	40	3.6	27.4	+-	.8 ; 4.1	17.9	+-	.9 ; 5.0
007	75	2.7	27.3	+-	.8 ; 4.1	17.8	+-	.9 ; 5.0
008	55	2.8	26.7	+-	.8 ; 4.0	17.3	+-	.9 ; 4.9
009	80	2.1	27.7	+-	.8 ; 4.2	18.2	+-	.9 ; 5.0
010	98	3.7	28.3	+-	.8 ; 4.2	18.7	+-	.9 ; 5.1
011	118	2.3	29.3	+-	.9 ; 4.4	19.6	+-	.9 ; 5.2
012	109	4.6	29.5	+-	.9 ; 4.4	19.8	+-	.9 ; 5.2
013	141	3.2	28.1	+-	.8 ; 4.2	18.5	+-	.9 ; 5.0
014	126	5.6	25.0	+-	.8 ; 3.8	15.7	+-	.8 ; 4.7
015	159	2.7	27.2	+-	.8 ; 4.1	17.7	+-	.9 ; 5.0
016	167	4.9	29.1	+-	.9 ; 4.4	19.5	+-	.9 ; 5.2
017	205	0.1	28.1	+-	.8 ; 4.2	18.5	+-	.9 ; 5.0
018	186	4.7	28.9	+-	.9 ; 4.3	19.3	+-	.9 ; 5.1
019	213	3.0	27.9	+-	.8 ; 4.2	18.4	+-	.9 ; 5.0
020	195	4.9	29.1	+-	.9 ; 4.4	19.5	+-	.9 ; 5.2
021	222	2.0	26.2	+-	.8 ; 3.9	16.8	+-	.8 ; 4.8
022	215	5.7	28.7	+-	.9 ; 4.3	19.1	+-	.9 ; 5.1
023	256	1.5	28.7	+-	.9 ; 4.3	19.1	+-	.9 ; 5.1
024	238	5.2	29.5	+-	.9 ; 4.4	19.9	+-	.9 ; 5.2
025	276	2.2	29.6	+-	.9 ; 4.4	19.9	+-	.9 ; 5.2
026	260	3.8	29.6	+-	.9 ; 4.4	20.0	+-	.9 ; 5.2
027	301	1.8	29.5	+-	.9 ; 4.4	19.8	+-	.9 ; 5.2
028	286	4.3	28.5	+-	.9 ; 4.3	18.9	+-	.9 ; 5.1
029	324	2.8	30.5	+-	.9 ; 4.6	20.8	+-	.9 ; 5.3
030	333	3.7	29.4	+-	.9 ; 4.4	19.7	+-	.9 ; 5.2
031	343	2.6	28.9	+-	.9 ; 4.3	19.3	+-	.9 ; 5.1
032	333	3.7	28.4	+-	.9 ; 4.3	18.9	+-	.9 ; 5.1
033	215	1.0	29.3	+-	.9 ; 4.4	19.7	+-	.9 ; 5.2
034	173	18.	29.3	+-	.9 ; 4.4	19.6	+-	.9 ; 5.2
035	333	23.	28.0	+-	.8 ; 4.2	18.4	+-	.9 ; 5.0
036	210	19.	27.9	+-	.8 ; 4.2	18.4	+-	.9 ; 5.0
037	64	7.0	32.5	+-	1.0 ; 4.9	22.6	+-	1.0 ; 5.5
038	329	9.0	33.1	+-	1.0 ; 5.0	23.1	+-	1.0 ; 5.6
039	276	10.	28.2	+-	.8 ; 4.2	18.6	+-	.9 ; 5.1
040	300	2.5	32.3	+-	1.0 ; 4.8	22.4	+-	1.0 ; 5.5
042	93	3.5	28.0	+-	.8 ; 4.2	18.4	+-	.9 ; 5.0
043	270	2.2	29.8	+-	.9 ; 4.5	20.1	+-	.9 ; 5.2

TRANSIT DOSE = 7.9 +- .5 ; 3.5

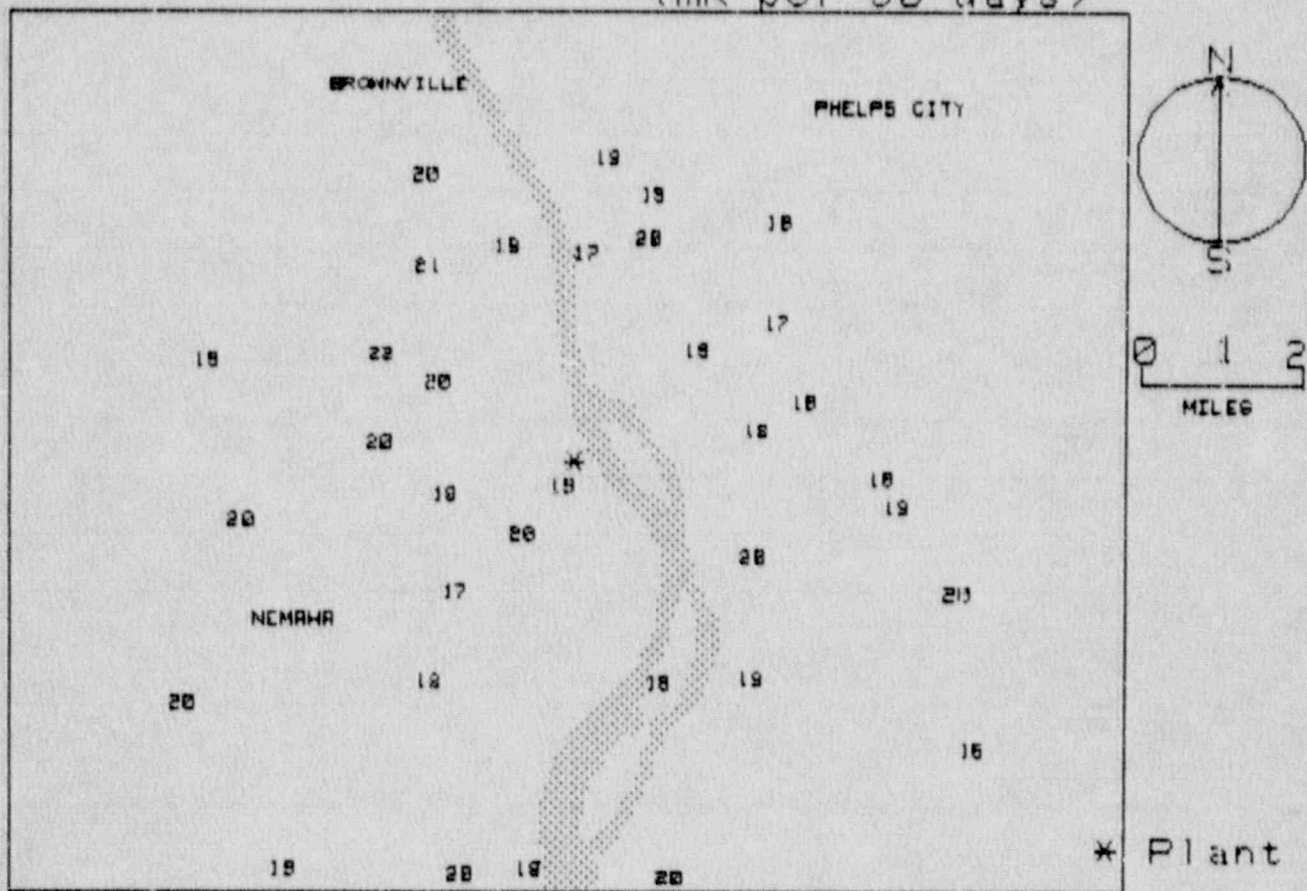
COOPER  
FOR THE PERIOD 900313-900802

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	◆ IN GROUP
348.75-11.25 (N)	18.2 $\pm$ 1.3	2
11.25-33.75 (NNE)	19.1 $\pm$ .8	2
33.75-56.25 (NE)	17.8 $\pm$ .8	3
56.25-78.75 (ENE)	20.2 $\pm$ 3.4	2
78.75-101.25 (E)	18.5 $\pm$ .3	3
101.25-123.75 (ESE)	19.7 $\pm$ .1	2
123.75-146.25 (SE)	17.1 $\pm$ 2.0	2
146.25-168.75 (SSE)	18.6 $\pm$ 1.3	2
168.75-191.25 (S)	19.3 $\pm$ 0.0	1
191.25-213.75 (SSW)	18.8 $\pm$ .6	3
213.75-236.25 (SW)	18.5 $\pm$ 1.5	3
236.25-258.75 (WSW)	19.5 $\pm$ .8	2
258.75-281.25 (W)	19.7 $\pm$ .7	4
281.25-303.75 (WNW)	20.4 $\pm$ 1.8	3
303.75-326.25 (NW)	20.8 $\pm$ 0.0	1
326.25-348.75 (NNW)	20.3 $\pm$ 1.9	4

DISTANCE(mi) FROM THE REACTOR	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	◆ IN GROUP
0-2	18.7 $\pm$ 1.1	6
2-5	19.1 $\pm$ 1.1	27
>5	18.8 $\pm$ 2.7	6
UPWIND CONTROL DATA	18.8 $\pm$ .7	3

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



CRYSTAL RIVER  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 900314-900726 135 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.	
006	61	4.2	14.5 +- .4	; 2.2	12.9 +- .4	; 3.2
007	50	3.8	13.2 +- .4	; 2.0	11.8 +- .4	; 3.1
008	20	5.2	15.3 +- .5	; 2.2	13.6 +- .5	; 3.3
009	6	5.4	18.5 +- .6	; 2.8	16.5 +- .5	; 3.6
010	348	5.0	15.9 +- .5	; 2.4	14.2 +- .5	; 3.4
011	334	4.8	15.3 +- .5	; 2.3	13.6 +- .5	; 3.3
012	318	4.8	14.6 +- .4	; 2.2	13.0 +- .4	; 3.3
013	79	3.8	15.4 +- .5	; 2.3	13.7 +- .5	; 3.3
014	95	4.1	13.8 +- .4	; 2.1	12.3 +- .4	; 3.2
015	89	1.8	17.5 +- .5	; 2.6	15.6 +- .5	; 3.5
016	113	5.0	MISSING OR DAMAGED DOSIMETER			
017	133	5.5	14.5 +- .4	; 2.2	12.9 +- .4	; 3.2
018	74	8.1	14.2 +- .4	; 2.1	12.7 +- .4	; 3.2
019	127	7.6	13.9 +- .4	; 2.1	12.3 +- .4	; 3.2
020	150	12	13.1 +- .4	; 2.0	11.6 +- .4	; 3.1
021	159	13.	15.9 +- .5	; 2.4	14.1 +- .5	; 3.4
022	150	13	14.8 +- .4	; 2.2	13.2 +- .4	; 3.3
023	150	21	13.5 +- .4	; 2.0	12.0 +- .4	; 3.2
024	150	21	12.8 +- .4	; 1.9	11.4 +- .4	; 3.1
025	56	6.1	15.7 +- .5	; 2.4	14.0 +- .5	; 3.3
026	357	5.2	14.7 +- .4	; 2.2	13.1 +- .4	; 3.3
027	90	13.	15.2 +- .5	; 2.3	13.5 +- .5	; 3.3
028	140	4.8	MISSING OR DAMAGED DOSIMETER			
TRANSIT DOSE = 0.0 +- .2 ; 2.9						

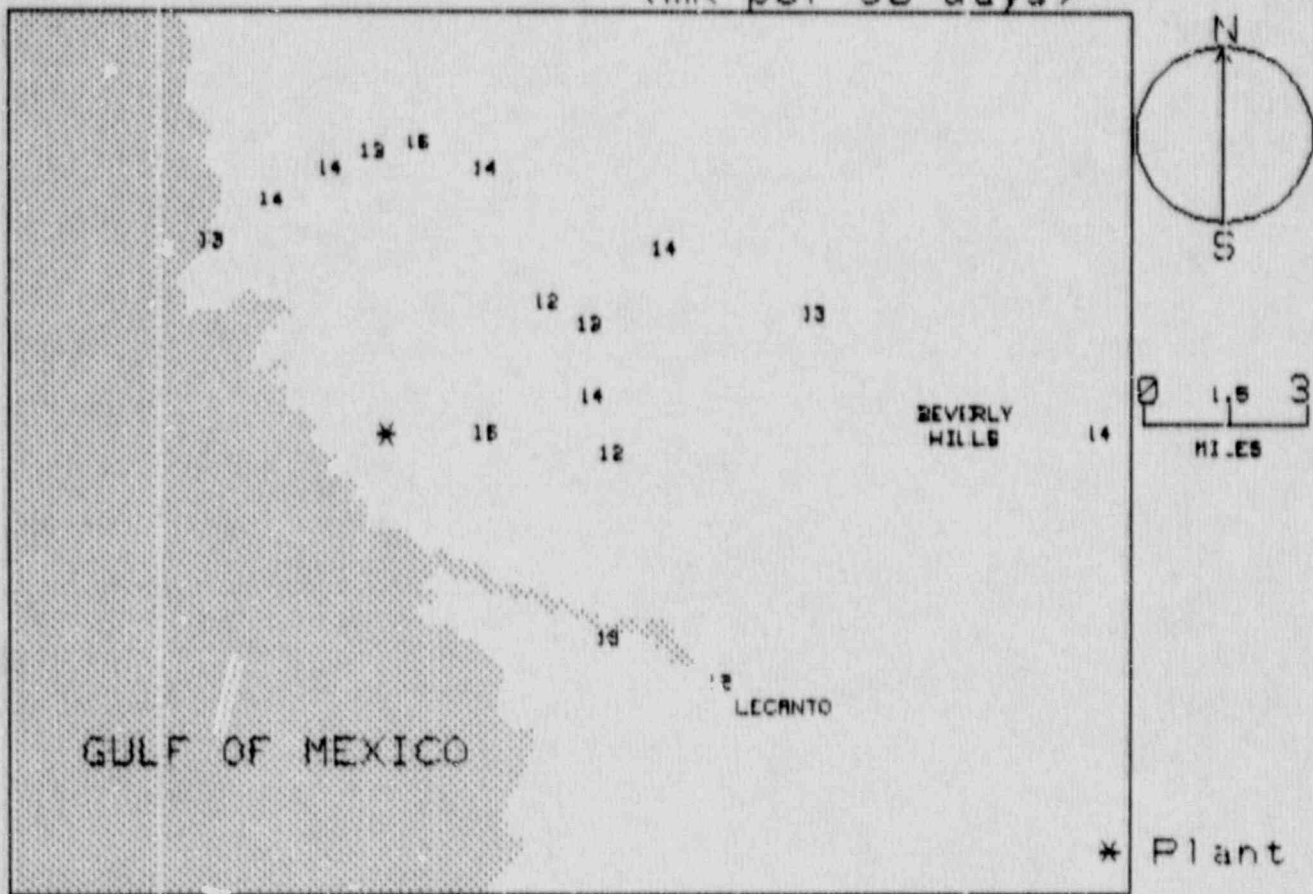
CRYSTAL RIVER  
FOR THE PERIOD 900314-900726

## 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 $\pm$ 2.4	2
11.25-33.75 (NNE)	13.8 $\pm$ 0.0	1
33.75-56.25 (NE)	12.8 $\pm$ 1.6	2
56.25-78.75 (ENE)	12.8 $\pm$ .2	2
78.75-101.25 (E)	13.8 $\pm$ 1.4	4
101.25-123.75 (ESE)	NO DATA $\pm$ NO DATA	0
123.75-146.25 (SE)	12.8 $\pm$ .4	2
146.25-168.75 (SSE)	12.8 $\pm$ 1.8	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)	13.0 $\pm$ 0.0	1
326.25-348.75 (NNW)	13.8 $\pm$ .4	2

DISTANCE (mi) FROM THE REACTOR	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
0-2	15.8 $\pm$ 0.0	1
2-5	13.1 $\pm$ .8	7
>5	13.4 $\pm$ 1.3	10
UPWIND CONTROL DATA	12.2 $\pm$ .8	3

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



DAVIS BESSE  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 900316-900731 138 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	50	0.6	17.3	+-	.5 ; 2.6	NO NET DATA	
002	86	0.9	17.4	+-	.5 ; 2.6	NO NET DATA	
003	116	1.4	16.5	+-	.5 ; 2.5	NO NET DATA	
004	172	0.8	17.9	+-	.5 ; 2.7	NO NET DATA	
005	200	1.5	24.0	+-	.7 ; 3.6	NO NET DATA	
006	226	1.0	21.0	+-	.6 ; 3.2	NO NET DATA	
007	249	1.5	20.6	+-	.6 ; 3.1	NO NET DATA	
008	267	1.8	23.7	+-	.7 ; 3.6	NO NET DATA	
009	285	1.8	21.5	+-	.6 ; 3.2	NO NET DATA	
010	306	1.5	18.5	+-	.6 ; 2.8	NO NET DATA	
011	344	0.9	17.7	+-	.5 ; 2.6	NO NET DATA	
012	142	4.5	22.4	+-	.7 ; 3.4	NO NET DATA	
013	158	4.0	22.7	+-	.7 ; 3.4	NO NET DATA	
014	180	3.8	21.1	+-	.6 ; 3.2	NO NET DATA	
015	207	4.8	22.0	+-	.7 ; 3.3	NO NET DATA	
016	225	4.5	21.4	+-	.6 ; 3.2	NO NET DATA	
017	254	2.7	26.2	+-	.8 ; 3.9	NO NET DATA	
018	269	3.0	22.3	+-	.7 ; 3.3	NO NET DATA	
019	295	5.3	23.2	+-	.7 ; 3.5	NO NET DATA	
020	25	0.5	17.7	+-	.5 ; 2.7	NO NET DATA	
021	132	9.7	21.0	+-	.6 ; 3.1	NO NET DATA	
022	210	6.5	21.4	+-	.6 ; 3.2	NO NET DATA	

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



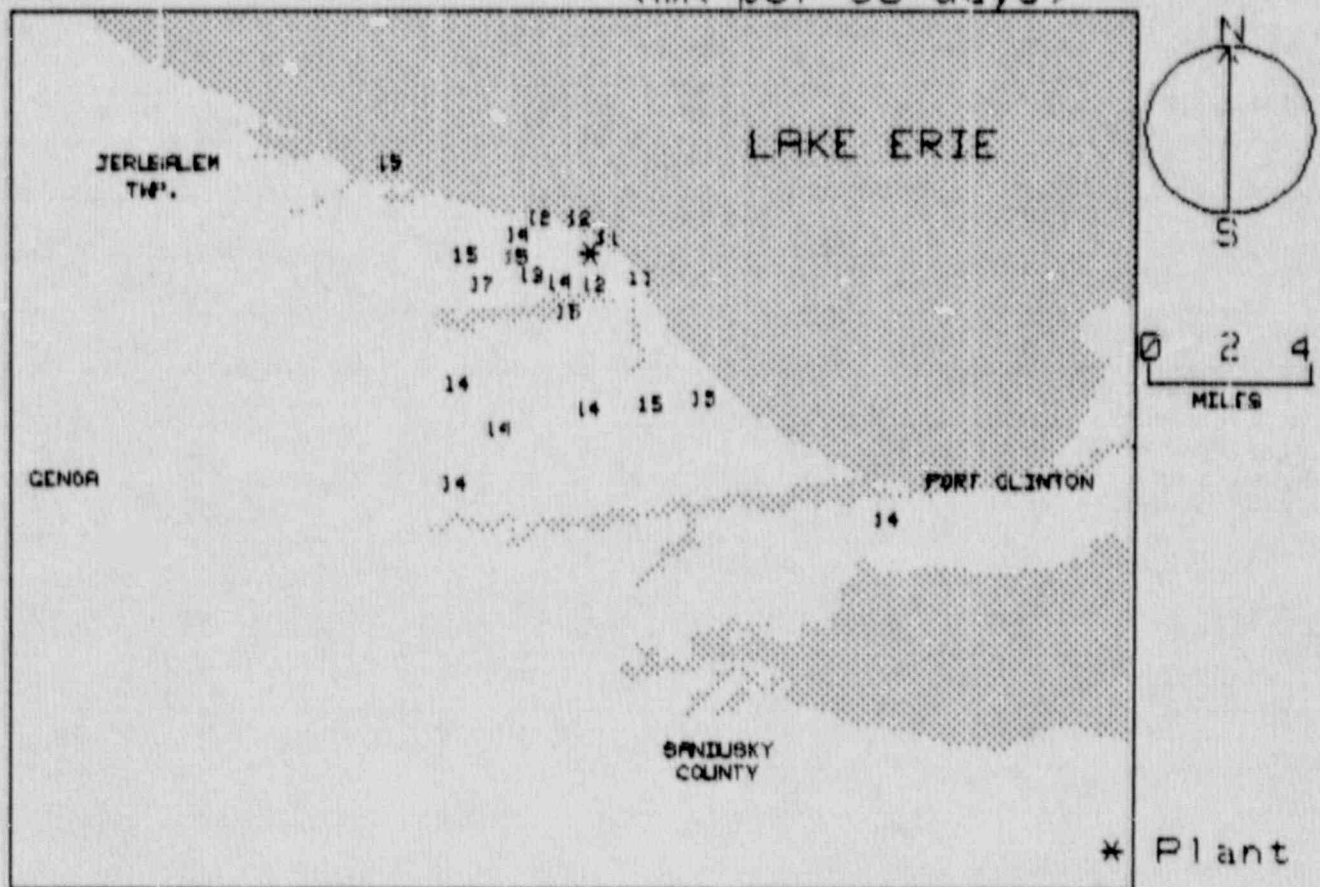
DAVIS BESSE  
FOR THE PERIOD 900316-900731

## 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)	11.5 $\pm$ 0.0	1
33.75-56.25 (NE)	11.3 $\pm$ 0.0	1
56.25-78.75 (ENE)	NO DATA+-NO DATA	0
78.75-101.25 (E)	11.3 $\pm$ 0.0	1
101.25-123.75 (ESE)	10.8 $\pm$ 0.0	1
123.75-146.25 (SE)	14.6 $\pm$ 0.0	1
146.25-168.75 (SSE)	14.9 $\pm$ 0.0	1
168.75-191.25 (S)	12.7 $\pm$ 1.5	2
191.25-213.75 (SSW)	15.0 $\pm$ .8	2
213.75-236.25 (SW)	13.8 $\pm$ .2	2
236.25-258.75 (WSW)	15.2 $\pm$ 2.6	2
258.75-281.25 (W)	15.0 $\pm$ .6	2
281.25-303.75 (WNW)	14.6 $\pm$ .8	2
303.75-326.25 (NW)	12.1 $\pm$ 0.0	1
326.25-348.75 (NNW)	11.5 $\pm$ 0.0	1

DISTANCE(mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	◆ IN GROUP
0-2	12.7 $\pm$ 1.7	12
2-5	14.7 $\pm$ 1.1	7
>5	15.1 $\pm$ 0.0	1
UPWIND CONTROL DATA	13.8 $\pm$ .2	2

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



D.C. COOK  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 900316-900731 138 DAYS  
 FIELD TIME 90 DAYS

TLC STATION	LOCATION		GROSS EXPOSURE (mR)			NET EXPOSURE RATE mR/Std. Qtr.		
	AZIMUTH (deg.)	DIST (mi.)	+- Rdm; Tot.			+- Rdm; Tot.		
001	54	1.7	18.4	+-	.6 ; 2.8	13.8	+-	.7 ; 4.1
002	67	1.3	23.0	+-	.7 ; 3.5	18.5	+-	.8 ; 4.6
003	89	1.1	17.6	+-	.5 ; 2.6	13.0	+-	.6 ; 4.0
004	58	0.7	16.7	+-	.5 ; 2.5	12.1	+-	.6 ; 3.9
005	19	2.3	18.2	+-	.5 ; 2.7	13.7	+-	.7 ; 4.0
006	111	1.6	18.0	+-	.5 ; 2.7	13.4	+-	.6 ; 4.0
007	135	1.5	17.9	+-	.5 ; 2.7	13.3	+-	.6 ; 4.0
008	158	1.4	21.8	+-	.7 ; 3.3	17.3	+-	.7 ; 4.4
009	171	1.9	17.4	+-	.5 ; 2.6	12.8	+-	.6 ; 4.0
010	199	1.5	17.5	+-	.5 ; 2.6	13.0	+-	.6 ; 4.0
011	115	3.9	17.1	+-	.5 ; 2.6	12.6	+-	.6 ; 3.9
012	203	6.6	17.8	+-	.5 ; 2.7	13.3	+-	.6 ; 4.0
013	179	3.9	19.9	+-	.6 ; 3.0	15.3	+-	.7 ; 4.2
014	151	4.4	20.7	+-	.6 ; 3.1	16.1	+-	.7 ; 4.3
015	130	4.6	22.1	+-	.7 ; 3.3	17.5	+-	.8 ; 4.5
316	110	3.7	19.1	+-	.6 ; 2.9	14.5	+-	.7 ; 4.1
017	88	3.6	18.2	+-	.5 ; 2.7	13.6	+-	.7 ; 4.0
018	67	3.8	19.0	+-	.6 ; 2.8	14.4	+-	.7 ; 4.1
019	24	3.8	17.9	+-	.5 ; 2.7	13.3	+-	.6 ; 4.0
020	43	3.3	MISSING OR DAMAGED DOSIMETER					
021	26	9.9	21.4	+-	.6 ; 3.2	16.9	+-	.7 ; 4.4
022	121	18.	17.7	+-	.5 ; 2.6	13.1	+-	.6 ; 4.0
023	121	18.	18.1	+-	.5 ; 2.7	13.5	+-	.6 ; 4.0
024	121	18.	21.6	+-	.6 ; 3.2	17.9	+-	.7 ; 4.4
TRANSIT DOSE =			4.5	+-	.4 ; 3.0			

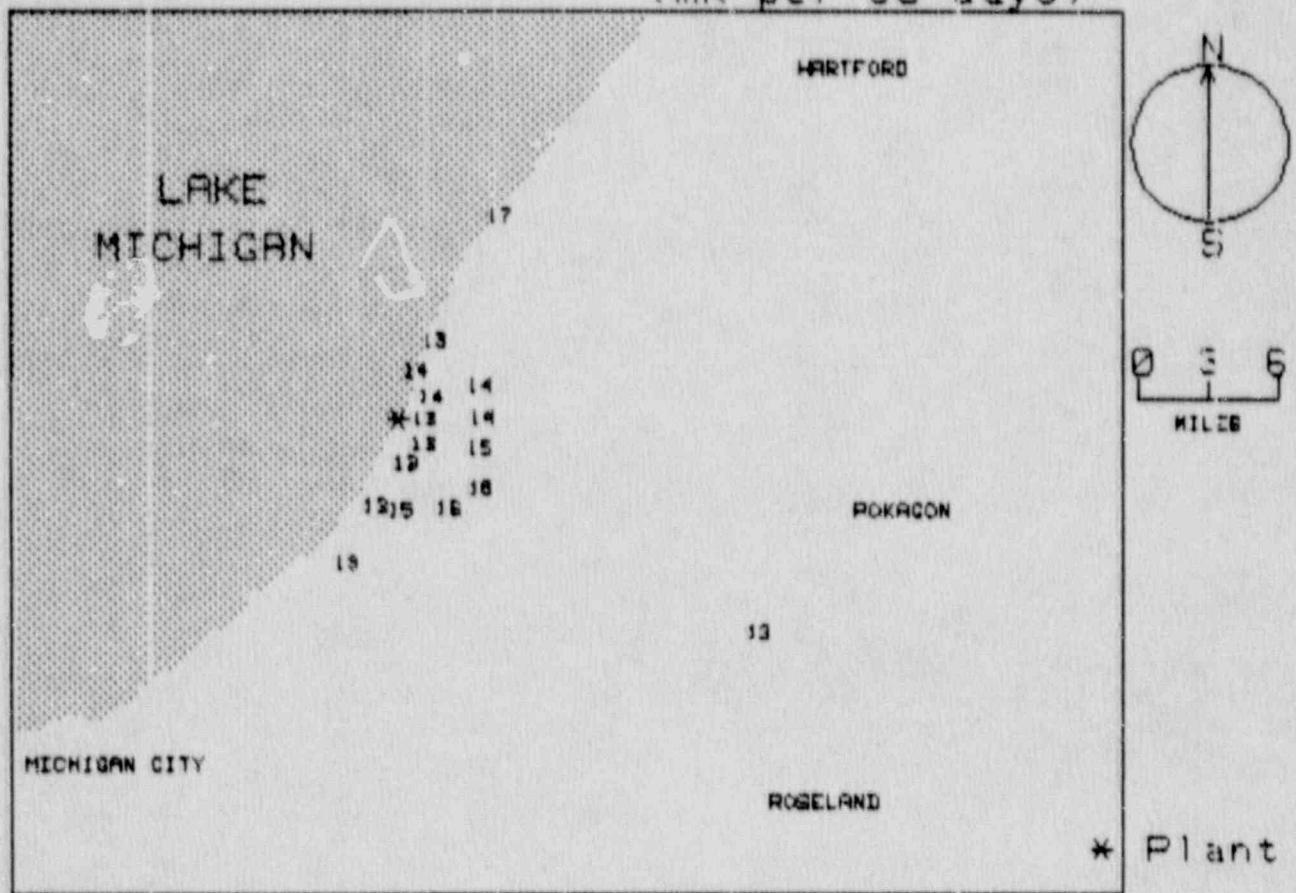
D. C. COOK  
FOR THE PERIOD 900316-900731

## 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)	14.8 $\pm$ 2.0	3
33.75-56.25 (NE)	13.8 $\pm$ 0.0	1
56.25-78.75 (ENE)	15.0 $\pm$ 3.2	3
78.75-101.25 (E)	13.3 $\pm$ .4	2
101.25-123.75 (ESE)	14.0 $\pm$ .8	2
123.75-146.25 (SE)	15.4 $\pm$ 3.0	2
146.25-168.75 (SSE)	16.7 $\pm$ .8	2
168.75-191.25 (S)	14.1 $\pm$ 1.0	2
191.25-213.75 (SSW)	12.9 $\pm$ .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	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	◆ IN GROUP
0-2	14.1 $\pm$ 2.2	9
2-5	14.6 $\pm$ 1.5	9
>5	15.1 $\pm$ 2.5	2
UPWIND CONTROL DATA	14.6 $\pm$ 2.1	3

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



DIABLO CANYON  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 900313-900802 143 DAYS  
 FIELD TIME 92 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)			NET EXPOSURE RATE mR/Std. Dev.		
	AZIMUTH (deg.)	DIST (mi.)	+-	Rdm;	Tot.	+-	Rdm;	Tot.
001	125	1.0	30.0	+-	.9 ; 4.5	23.5	+-	1.0 ; 5.4
002	119	4.2	27.0	+-	.8 ; 4.1	20.6	+-	.9 ; 5.0
003	107	6.9	26.2	+-	.8 ; 3.9	19.8	+-	.9 ; 4.9
004	109	11.	24.7	+-	.7 ; 3.7	18.3	+-	.8 ; 4.8
005	113	14.	25.7	+-	.8 ; 3.9	19.3	+-	.9 ; 4.9
006	68	9.6	24.7	+-	.7 ; 3.7	18.3	+-	.8 ; 4.8
007	359	11.	21.5	+-	.6 ; 3.2	15.2	+-	.7 ; 4.4
008	359	6.6	19.9	+-	.6 ; 3.0	13.6	+-	.7 ; 4.3
009	339	4.7	19.2	+-	.6 ; 2.9	13.0	+-	.7 ; 4.2
010	328	3.0	19.9	+-	.6 ; 3.1	13.6	+-	.7 ; 4.3
011	332	1.3	21.0	+-	.6 ; 3.1	14.7	+-	.7 ; 4.4
012	37	21.	27.8	+-	.8 ; 4.2	21.4	+-	.9 ; 5.1
013	37	21.	29.0	+-	.9 ; 4.4	22.5	+-	.9 ; 5.3
014	37	21.	26.7	+-	.9 ; 4.3	22.2	+-	.9 ; 5.2
TRANSIT DOSE =			6.0	+-	.4 ; 3.2			

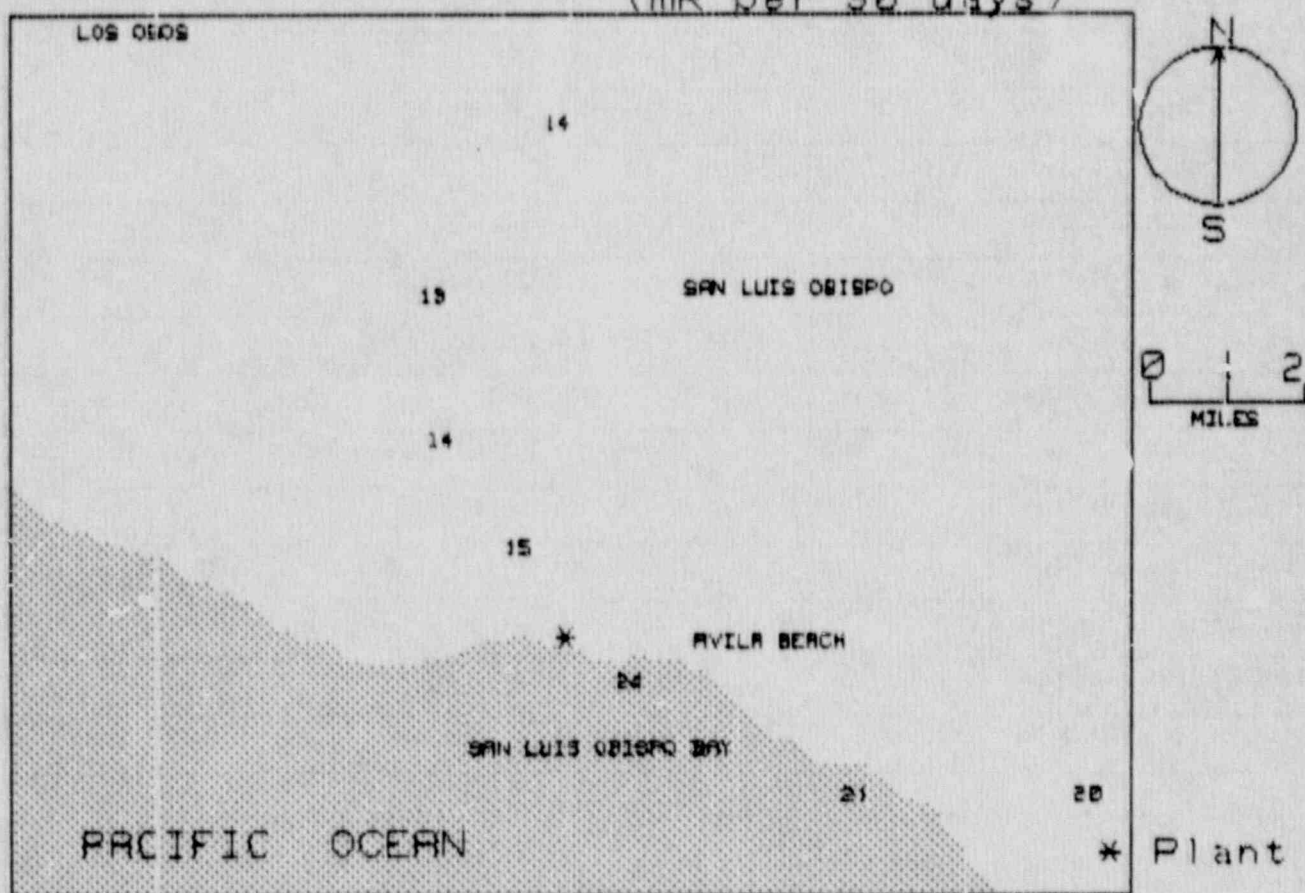
DIABLO CANYON  
FOR THE PERIOD 900313-900802

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	◆ IN GROUP
348.75-11.25 (N)	14.4 $\pm$ 1.1	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)	18.3 $\pm$ 0.0	1
78.75-101.25 (E)	NO DATA+-NO DATA	0
101.25-123.75 (ESE)	19.5 $\pm$ 1.0	4
123.75-146.25 (SE)	23.5 $\pm$ 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)	13.8 $\pm$ .8	3

DISTANCE (mi) FROM THE REACTOR	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	◆ IN GROUP
0-2	19.1 $\pm$ 6.3	2
2-5	15.7 $\pm$ 4.2	3
>5	17.4 $\pm$ 2.4	6
UPWIND CONTROL DATA	22.0 $\pm$ .6	3

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





DRESDEN  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 900312-900731 142 DAYS  
 FIELD TIME 92 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE(mR)			NET EXPOSURE RATE mR/Std. Dev.		
	AZIMUTH (deg.)	DIST (mi.)	+-	Rdm;	Tot.	+-	Rdm;	Tot.
001	70	4.2	22.7	+-	.7 ; 3.4	16.0	+-	.8 ; 4.6
002	92	3.9	19.3	+-	.6 ; 2.9	12.7	+-	.7 ; 4.2
003	119	3.2	24.1	+-	.7 ; 3.6	17.4	+-	.8 ; 4.7
004	134	1.3	19.6	+-	.6 ; 2.9	13.0	+-	.7 ; 4.3
005	115	1.5	19.9	-	.6 ; 3.0	13.2	+-	.7 ; 4.3
006	180	1.9	23.2	-	.7 ; 3.5	16.5	+-	.8 ; 4.6
007	179	0.5	22.9	+-	.7 ; 3.4	16.2	+-	.8 ; 4.6
008	166	0.7	19.9	+-	.6 ; 3.0	13.3	+-	.7 ; 4.3
009	205	0.5	23.1	+-	.7 ; 3.5	16.4	+-	.8 ; 4.6
010	224	0.7	28.5	+-	.9 ; 4.3	21.7	+-	.9 ; 5.2
011	250	0.9	19.9	+-	.6 ; 3.0	13.3	+-	.7 ; 4.3
012	263	1.6	24.3	+-	.7 ; 3.6	17.6	+-	.8 ; 4.8
013	180	4.0	19.5	+-	.6 ; 2.9	12.9	+-	.7 ; 4.2
014	158	4.8	21.8	+-	.7 ; 3.3	15.1	+-	.8 ; 4.5
015	137	4.2	21.1	+-	.6 ; 3.2	14.4	+-	.7 ; 4.4
016	134	8.4	21.3	+-	.6 ; 3.2	14.6	+-	.7 ; 4.4
017	189	7.4	20.5	+-	.6 ; 3.1	13.9	+-	.7 ; 4.3
018	203	4.1	17.8	+-	.5 ; 2.7	11.2	+-	.7 ; 4.1
019	231	3.8	24.0	+-	.7 ; 3.6	17.3	+-	.8 ; 4.7
020	244	6.4	20.7	+-	.6 ; 3.1	14.1	+-	.7 ; 4.4
021	258	8.6	21.4	+-	.6 ; 3.2	14.8	+-	.7 ; 4.4
022	269	4.4	19.4	+-	.6 ; 2.9	12.8	+-	.7 ; 4.2
023	295	3.3	19.4	+-	.6 ; 2.9	12.8	+-	.7 ; 4.2
024	311	3.9	21.0	+-	.6 ; 3.2	14.4	+-	.7 ; 4.4
025	340	4.7	22.8	+-	.7 ; 3.4	16.1	+-	.8 ; 4.6
026	7	4.4	19.3	+-	.6 ; 2.9	12.7	+-	.7 ; 4.2
027	1	2.0	26.7	+-	.8 ; 4.0	19.9	+-	.9 ; 5.0
028	327	1.7	26.8	+-	.8 ; 4.0	20.0	+-	.9 ; 5.0
029	318	1.4	23.3	+-	.7 ; 3.5	16.6	+-	.8 ; 4.6
030	301	1.9	18.1	+-	.5 ; 2.7	11.5	+-	.7 ; 4.1
031	30	1.5	25.1	+-	.8 ; 3.3	18.3	+-	.8 ; 4.8
032	48	1.9	26.8	+-	.8 ; 4.0	20.0	+-	.9 ; 5.0
033	76	1.4	MISSING OR DAMAGED DOSIMETER					
034	90	1.4	22.6	+-	.7 ; 3.4	15.9	+-	.8 ; 4.6
035	26	4.5	24.0	+-	.7 ; 3.6	17.3	+-	.8 ; 4.7
036	42	3.6	21.9	+-	.7 ; 3.3	15.2	+-	.8 ; 4.5
037	52	12.	21.8	+-	.7 ; 3.3	15.1	+-	.8 ; 4.5
P38	274	24.	22.8	+-	.7 ; 3.4	16.1	+-	.8 ; 4.6
039	274	24.	23.3	+-	.7 ; 3.5	16.6	+-	.8 ; 4.6
040	275	24.	23.5	+-	.7 ; 3.5	16.8	+-	.8 ; 4.7
TRANSIT DOSE =			6.3	+-	.4 ; 3.2			

DRESDEN  
FOR THE PERIOD 900312-900731

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	◆ IN GROUP
348.75-11.25 (N)	16.3 $\pm$ 5.1	2
11.25-33.75 (NNE)	17.8 $\pm$ .7	2
33.75-56.25 (NE)	16.8 $\pm$ 2.6	3
56.25-78.75 (ENE)	16.8 $\pm$ 8.0	1
78.75-101.25 (E)	14.3 $\pm$ 2.3	2
101.25-123.75 (ESE)	15.3 $\pm$ 2.9	2
123.75-146.25 (SE)	14.8 $\pm$ .8	3
146.25-168.75 (SSE)	14.2 $\pm$ 1.3	2
168.75-191.25 (S)	14.8 $\pm$ 1.7	4
191.25-213.75 (SSW)	13.8 $\pm$ 3.7	2
213.75-236.25 (SW)	19.5 $\pm$ 3.1	2
236.25-258.75 (WSW)	14.8 $\pm$ .7	3
258.75-281.25 (W)	15.2 $\pm$ 3.4	2
281.25-303.75 (WNW)	12.2 $\pm$ .9	2
303.75-326.25 (NW)	15.5 $\pm$ 1.6	2
326.25-348.75 (NNW)	18.1 $\pm$ 2.8	2

DISTANCE(mi) FROM THE REACTOR	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	◆ IN GROUP
0-2	16.5 $\pm$ 3.0	16
2-5	14.5 $\pm$ 2.0	15
>5	14.5 $\pm$ .5	5
UPWIND CONTROL DATA	16.5 $\pm$ .3	3

MAP FOR DRESDEN

Map will be provided for this site in the future.

DUARNE ARNOLD  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 900316-900801 139 DAYS  
 FIELD TIME 92 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)			NET EXPOSURE RATE mR/Std. Dev.		
	AZIMUTH (deg.)	DIST (mi.)	+-	Rdm;	Tot.	+-	Rdm;	Tot.
001	163	9.7	22.2	+-	.7 ; 3.3	18.5	+-	.7 ; 4.3
002	170	6.2	23.2	+-	.7 ; 3.5	19.4	+-	.8 ; 4.4
003	100	3.5	19.7	+-	.6 ; 3.0	16.8	+-	.7 ; 4.1
004	216	2.9	23.1	+-	.7 ; 3.5	19.3	+-	.7 ; 4.4
005	201	2.5	19.5	+-	.6 ; 2.9	15.8	+-	.7 ; 4.1
006	213	1.0	21.4	+-	.6 ; 3.2	17.7	+-	.7 ; 4.3
007	240	1.0	23.2	+-	.7 ; 3.5	19.4	+-	.8 ; 4.4
008	279	1.0	23.4	+-	.7 ; 3.5	19.7	+-	.8 ; 4.5
009	298	1.0	24.7	+-	.7 ; 3.7	20.9	+-	.8 ; 4.6
010	320	1.5	22.8	+-	.7 ; 3.4	19.8	+-	.7 ; 4.4
011	343	1.0	23.4	+-	.7 ; 3.5	19.6	+-	.8 ; 4.5
012	359	1.2	22.6	+-	.7 ; 3.4	18.8	+-	.7 ; 4.4
013	237	0.5	22.1	+-	.7 ; 3.3	18.3	+-	.7 ; 4.3
014	259	3.9	22.4	+-	.7 ; 3.4	18.7	+-	.7 ; 4.4
015	272	5.0	18.4	+-	.6 ; 2.8	14.7	+-	.6 ; 3.9
016	285	5.0	20.9	+-	.6 ; 3.1	17.2	+-	.7 ; 4.2
017	308	4.5	23.5	+-	.7 ; 3.5	19.7	+-	.8 ; 4.5
018	340	4.5	20.2	+-	.6 ; 3.0	16.5	+-	.7 ; 4.1
019	291	15.	21.5	+-	.6 ; 3.2	17.8	+-	.7 ; 4.3
020	291	15.	22.5	+-	.7 ; 3.4	18.8	+-	.7 ; 4.4
021	291	15.	20.9	+-	.6 ; 3.1	17.2	+-	.7 ; 4.2
022	358	6.1	19.9	+-	.6 ; 3.0	16.2	+-	.7 ; 4.1
023	7	2.9	19.8	+-	.6 ; 3.0	16.1	+-	.7 ; 4.1
024	28	3.0	23.4	+-	.7 ; 3.5	19.7	+-	.8 ; 4.5
025	39	3.5	21.6	+-	.6 ; 3.2	17.8	+-	.7 ; 4.3
026	64	3.8	21.6	+-	.6 ; 3.2	17.8	+-	.7 ; 4.3
027	50	1.9	19.9	+-	.6 ; 3.0	16.2	+-	.7 ; 4.1
028	72	2.3	20.1	+-	.6 ; 3.0	16.4	+-	.7 ; 4.1
029	91	3.0	20.0	+-	.6 ; 3.0	16.3	+-	.7 ; 4.1
030	93	1.8	23.3	+-	.7 ; 3.5	19.5	+-	.8 ; 4.5
031	113	2.0	24.0	+-	.7 ; 3.6	20.2	+-	.8 ; 4.5
032	141	1.6	20.0	+-	.6 ; 3.0	16.3	+-	.7 ; 4.1
033	153	1.5	22.0	+-	.7 ; 3.3	18.3	+-	.7 ; 4.3
034	177	1.2	MISSING OR DAMAGED DOSIMETER					
035	153	4.2	18.9	+-	.6 ; 2.8	15.3	+-	.6 ; 4.0
036	135	4.1	19.9	+-	.6 ; 3.0	16.2	+-	.7 ; 4.1
037	111	4.6	23.4	+-	.7 ; 3.5	19.7	+-	.8 ; 4.5
038	123	5.1	24.0	+-	.7 ; 3.6	20.2	+-	.8 ; 4.5
039	132	7.0	19.9	+-	.6 ; 3.0	16.2	+-	.7 ; 4.1
040	139	7.6	20.0	+-	.6 ; 3.0	16.3	+-	.7 ; 4.1
TRANSIT DOSE =			3.3	+-	.3 ; 2.9			

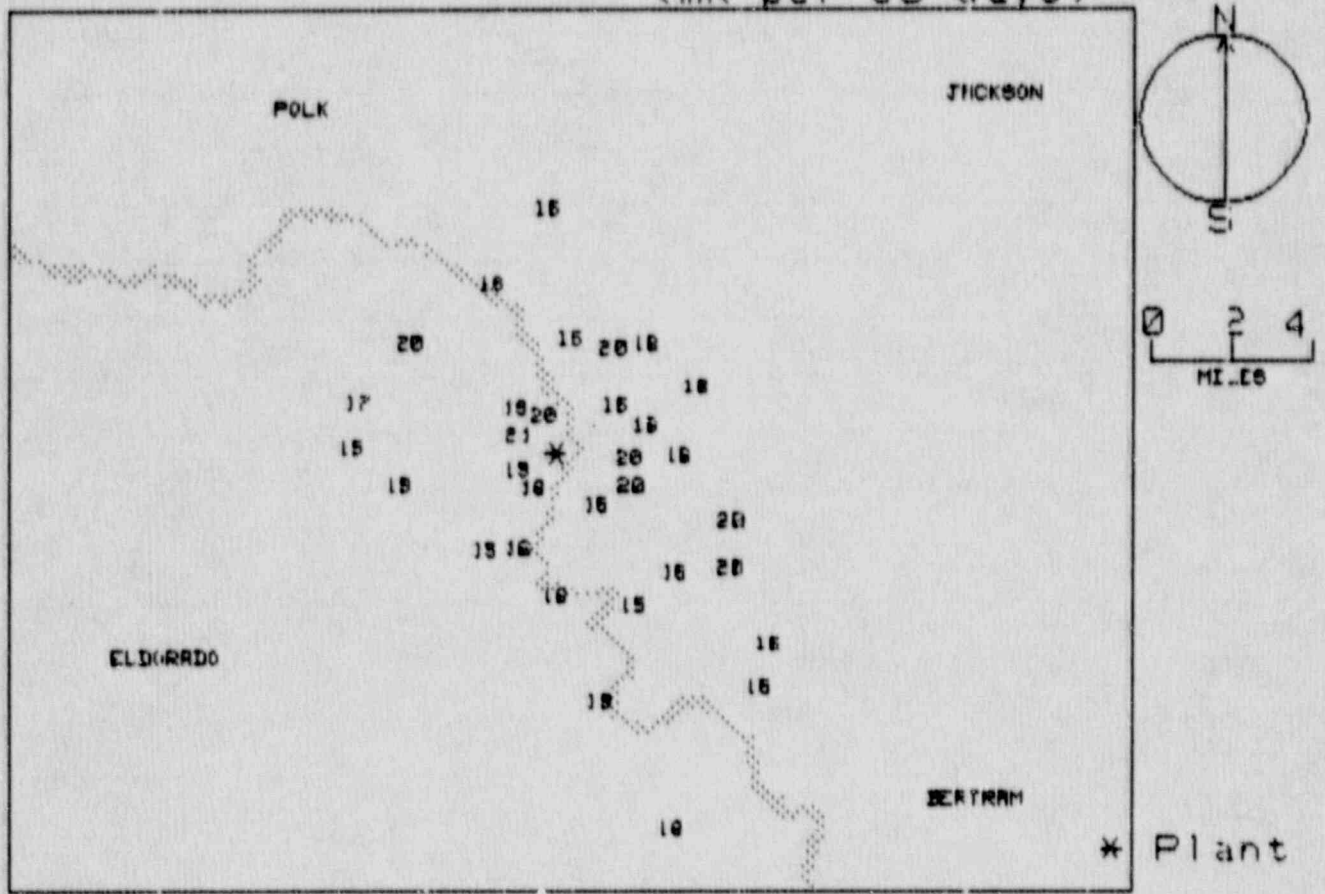
DUARNE ARNOLD  
FOR THE PERIOD 900316-900601

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
348.75-11.25 (N)	17.1 $\pm$ 1.5	3
11.25-33.75 (NNE)	19.7 $\pm$ 0.0	1
33.75-56.25 (NE)	17.0 $\pm$ 1.1	2
56.25-78.75 (ENE)	17.1 $\pm$ 1.0	2
78.75-101.25 (E)	17.8 $\pm$ 2.0	2
101.25-123.75 (ESE)	20.0 $\pm$ .3	3
123.75-146.25 (SE)	16.3 $\pm$ .1	4
146.25-168.75 (SSE)	17.3 $\pm$ 1.8	3
168.75-191.25 (S)	17.7 $\pm$ 2.4	2
191.25-213.75 (SSW)	16.8 $\pm$ 1.3	2
213.75-236.25 (SW)	19.3 $\pm$ 0.0	1
236.25-258.75 (WSW)	18.9 $\pm$ .8	2
258.75-281.25 (W)	17.7 $\pm$ 2.6	3
281.25-303.75 (WNW)	19.0 $\pm$ 2.6	2
303.75-326.25 (NW)	19.4 $\pm$ .5	2
326.25-348.75 (NNW)	18.0 $\pm$ 2.2	2

DISTANCE (mi) FROM THE REACTOR	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
0-2	18.8 $\pm$ 1.4	13
2-5	17.2 $\pm$ 1.6	17
>5	17.8 $\pm$ 1.6	6
UPWIND CONTROL DATA	17.9 $\pm$ .8	3

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



FARLEY  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 900317-900726 132 DAYS  
 FIELD TIME 93 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE(mR)			NET EXPOSURE RATE mR/Std.Gtr.		
	AZIMUTH (deg.)	DIST (mi.)	+-	Rdm;	Tot.	+-	Rdm;	Tot.
001	268	15.	17.1	+-	.5 ; 2.6	14.2	+-	.6 ; 3.7
002	252	7.8	16.9	+-	.5 ; 2.5	14.8	+-	.6 ; 3.7
003	217	6.1	19.9	+-	.6 ; 3.0	16.9	+-	.6 ; 4.0
004	155	5.7	22.9	+-	.7 ; 3.4	19.8	+-	.7 ; 4.3
005	170	5.1	19.9	+-	.6 ; 3.0	16.9	+-	.6 ; 4.0
006	197	4.5	18.4	+-	.6 ; 2.8	15.5	+-	.6 ; 3.9
007	191	2.4	21.6	+-	.6 ; 3.2	18.6	+-	.7 ; 4.2
008	200	1.8	19.8	+-	.6 ; 3.0	16.9	+-	.6 ; 4.0
009	220	1.2	17.2	+-	.5 ; 2.6	14.3	+-	.6 ; 3.7
010	254	.9	21.5	+-	.6 ; 3.2	18.5	+-	.7 ; 4.2
011	300	.9	19.3	+-	.6 ; 2.9	16.3	+-	.6 ; 4.0
012	319	1.1	19.8	+-	.6 ; 2.9	16.1	+-	.6 ; 3.9
013	338	1.3	18.1	+-	.5 ; 2.7	15.2	+-	.6 ; 3.8
014	256	1.2	18.6	+-	.6 ; 2.8	15.7	+-	.6 ; 3.9
015	16	1.3	23.7	+-	.7 ; 3.5	20.6	+-	.7 ; 4.4
016	264	1.5	18.8	+-	.6 ; 2.8	15.9	+-	.6 ; 3.9
017	253	3	21.8	+-	.7 ; 3.3	18.8	+-	.7 ; 4.2
018	236		19.1	+-	.6 ; 2.9	16.2	+-	.6 ; 3.9
019	267		21.2	+-	.6 ; 3.2	18.2	+-	.7 ; 4.2
020	295	.6	18.9	+-	.6 ; 2.8	15.9	+-	.6 ; 3.9
021	315	4.6	17.8	+-	.5 ; 2.7	14.9	+-	.6 ; 3.8
022	332	4.3	18.2	+-	.5 ; 2.7	15.3	+-	.6 ; 3.8
023	251	4.8	17.8	+-	.5 ; 2.7	14.9	+-	.6 ; 3.8
024	32	5.3	20.1	+-	.6 ; 3.0	17.2	+-	.7 ; 4.0
025	54	6.2	17.7	+-	.5 ; 2.7	14.8	+-	.6 ; 3.8
026	64	5.5	19.7	+-	.6 ; 3.0	16.8	+-	.6 ; 4.0
027	88	4.7	18.8	+-	.6 ; 2.8	15.9	+-	.6 ; 3.9
028	124	5.1	19.7	+-	.6 ; 3.0	16.8	+-	.6 ; 4.0
029	153	4.1	18.5	+-	.6 ; 2.8	15.6	+-	.6 ; 3.9
030	142	3.6	17.4	+-	.5 ; 2.6	14.5	+-	.6 ; 3.8
031	130	3	16.5	+-	.5 ; 2.5	13.7	+-	.6 ; 3.7
032	110	2.8	17.9	+-	.5 ; 2.7	15.0	+-	.6 ; 3.8
033	78	2.6	17.6	+-	.5 ; 2.6	14.7	+-	.6 ; 3.8
034	58	2.2	16.5	+-	.5 ; 2.5	13.7	+-	.6 ; 3.7
035	34	2.4	23.6	+-	.7 ; 3.5	20.5	+-	.7 ; 4.4
036	19	2.7	20.5	+-	.6 ; 3.1	17.5	+-	.7 ; 4.1
037	284	10	19.5	+-	.6 ; 2.9	16.6	+-	.6 ; 4.0
038	289	15.	21.2	+-	.6 ; 3.2	18.2	+-	.7 ; 4.2
039	293	15.	20.4	+-	.6 ; 3.1	17.4	+-	.7 ; 4.1

TRANSIT DOSE = 2.4 +- .3 ; 2.9

FARLEY  
FOR THE PERIOD 900317-900726

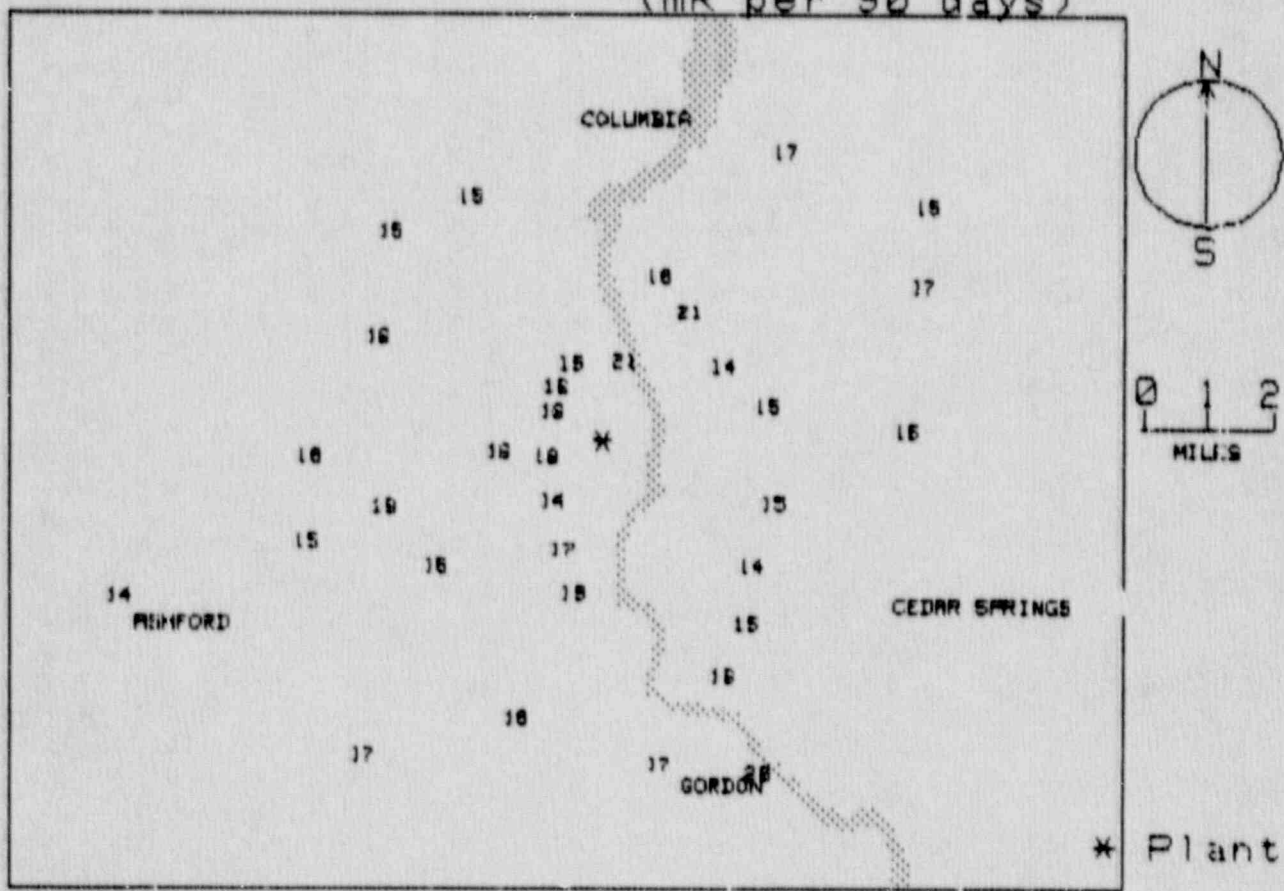
## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

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)	16.4 $\pm$ 1.9	9
33.75-56.25 (NE)	17.7 $\pm$ 4.0	2
56.25-78.75 (ENE)	15.1 $\pm$ 1.6	9
78.75-101.25 (E)	15.9 $\pm$ 0.0	1
101.25-123.75 (ESE)	15.0 $\pm$ 0.0	1
123.75-146.25 (SE)	15.0 $\pm$ 1.6	9
146.25-168.75 (SSE)	17.7 $\pm$ 3.0	2
168.75-191.25 (S)	17.7 $\pm$ 1.2	2
191.25-213.75 (SSW)	16.2 $\pm$ 1.0	2
213.75-236.25 (SW)	15.8 $\pm$ 1.3	9
236.25-258.75 (WSW)	16.4 $\pm$ 2.2	5
258.75-281.25 (W)	16.1 $\pm$ 2.0	9
281.25-303.75 (WNW)	16.1 $\pm$ .3	2
303.75-326.25 (NW)	15.5 $\pm$ .9	2
326.25-348.75 (NNW)	15.3 $\pm$ .1	2

DISTANCE (mi) FROM THE REACTOR	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	◆ IN GROUP
0-2	16.6 $\pm$ 1.9	9
2-5	16.1 $\pm$ 1.9	18
>5	16.4 $\pm$ 1.6	9
UPWIND CONTROL DATA	17.4 $\pm$ .8	9



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



FERMI  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 900316-900801 139 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	38	2.1	MISSING OR DAMAGED DOSIMETER					
002	22	2.3	21.4 +- .6 ; 3.2	13.8 +- .8 ; 4.7				
003	350	1.8	30.2 +- .9 ; 4.5	22.8 +- 1.0 ; 5.7				
004	345	1.9	23.6 +- .7 ; 3.5	16.0 +- .9 ; 4.9				
005	346	1.4	25.4 +- .8 ; 3.8	17.9 +- .9 ; 5.1				
006	310	1.3	24.5 +- .7 ; 3.7	16.9 +- .9 ; 5.0				
007	298	1.4	24.5 +- .7 ; 3.7	17.0 +- .9 ; 5.0				
008	277	1.6	24.1 +- .7 ; 3.6	16.5 +- .9 ; 5.0				
009	238	1.0	21.9 +- .7 ; 3.3	14.3 +- .8 ; 4.7				
010	225	1.5	20.7 +- .6 ; 3.1	13.1 +- .8 ; 4.6				
011	193	0.8	23.8 +- .7 ; 3.6	16.2 +- .9 ; 4.9				
012	183	0.9	23.5 +- .7 ; 3.5	16.0 +- .9 ; 4.9				
013	175	0.8	23.2 +- .7 ; 3.5	15.7 +- .9 ; 4.9				
014	260	1.7	26.3 +- .8 ; 3.9	18.8 +- .9 ; 5.2				
015	245	2.5	21.5 +- .6 ; 3.2	13.9 +- .8 ; 4.7				
016	236	5.0	27.3 +- .8 ; 4.1	19.9 +- 1.0 ; 5.4				
017	225	6.8	19.3 +- .6 ; 2.9	11.6 +- .8 ; 4.5				
018	250	7.8	18.9 +- .6 ; 2.8	11.3 +- .7 ; 4.4				
019	277	6.0	21.2 +- .6 ; 3.2	13.6 +- .8 ; 4.7				
020	297	6.0	22.7 +- .7 ; 3.4	15.1 +- .8 ; 4.8				
021	320	3.8	23.4 +- .7 ; 3.5	15.9 +- .9 ; 4.9				
022	340	4.7	24.2 +- .7 ; 3.6	16.6 +- .9 ; 5.0				
023	358	4.3	25.3 +- .8 ; 3.8	17.8 +- .9 ; 5.1				
024	23	5.0	26.5 +- .8 ; 4.0	19.0 +- .9 ; 5.2				
025	25	7.0	20.7 +- .6 ; 3.1	13.1 +- .8 ; 4.6				
026	0	7.0	20.8 +- .6 ; 3.1	13.2 +- .8 ; 4.6				
027	342	8.0	24.5 +- .7 ; 3.7	16.9 +- .9 ; 5.0				
028	320	9.5	22.1 +- .7 ; 3.3	14.5 +- .8 ; 4.7				
029	290	11.	26.1 +- .8 ; 3.9	18.6 +- .9 ; 5.2				
030	270	11.	28.2 +- .8 ; 4.2	20.7 +- 1.0 ; 5.5				
031	245	10.	23.0 +- .7 ; 3.5	15.5 +- .8 ; 4.9				
032	220	11.	23.1 +- .7 ; 3.5	15.5 +- .8 ; 4.9				
033	270	15.	24.2 +- .7 ; 3.6	16.7 +- .9 ; 5.0				
034	270	15.	24.1 +- .7 ; 3.6	16.5 +- .9 ; 5.0				
035	290	16.	23.8 +- .7 ; 3.6	16.2 +- .9 ; 4.9				
036	350	0.8	20.2 +- .6 ; 3.0	12.5 +- .8 ; 4.5				
037	330	0.7	22.7 +- .7 ; 3.4	15.1 +- .8 ; 4.8				
038	310	0.7	23.0 +- .7 ; 3.4	15.4 +- .8 ; 4.8				
039	23/	10.	26.9 +- .8 ; 4.0	19.4 +- .9 ; 5.3				
040	0	9.0	26.4 +- .8 ; 4.0	18.9 +- .9 ; 5.2				
041	348	9.0	21.5 +- .6 ; 3.2	13.9 +- .8 ; 4.7				
TRANSIT DOSE =			7.9 +- .5 ; 3.3					

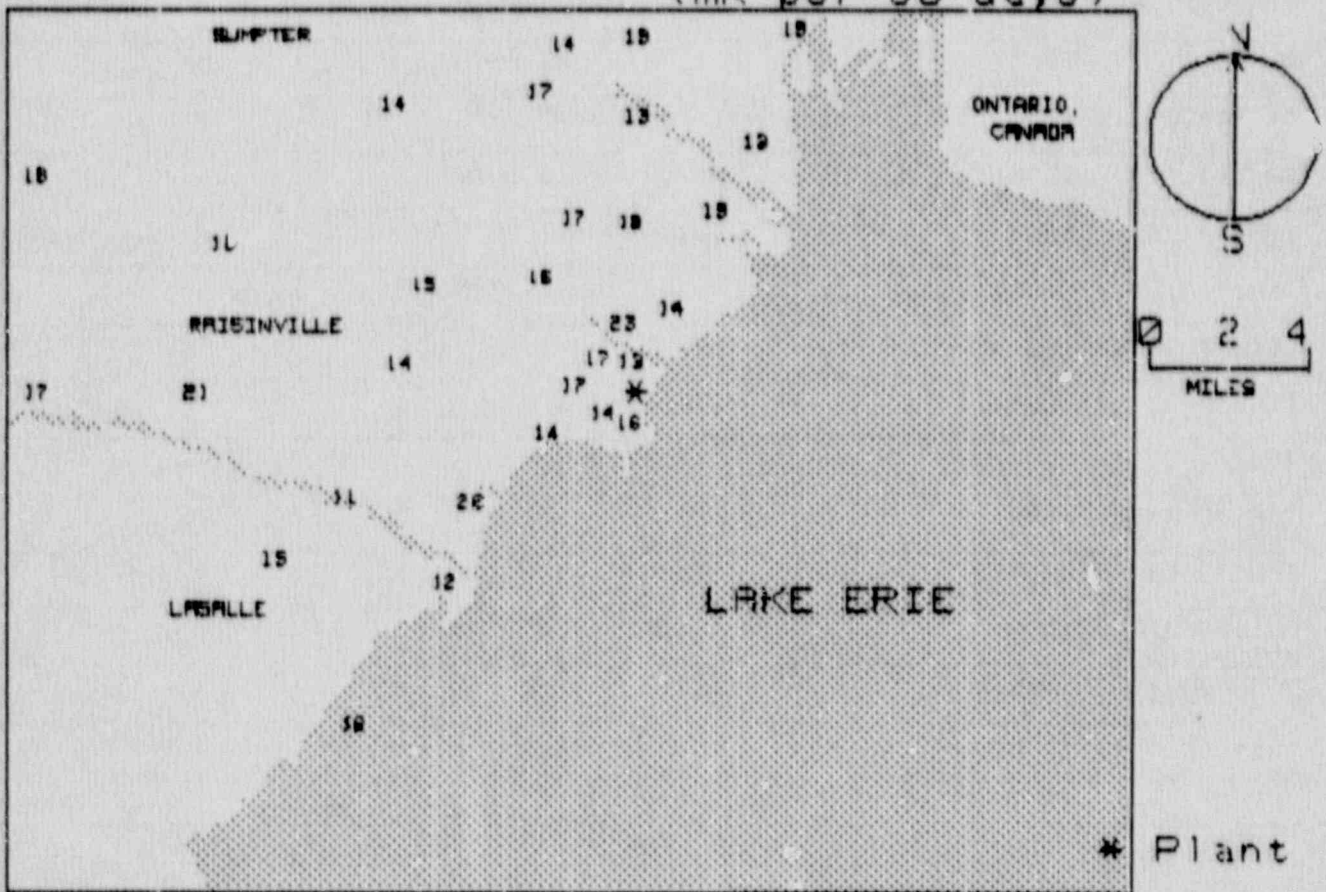
FERMI  
FOR THE PERIOD 900316-900801

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	◆ IN GROUP
348.75-11.25 (N)	17.0 $\pm$ 4.2	5
11.25-33.75 (NNE)	16.3 $\pm$ 3.4	4
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)	15.0 $\pm$ .2	2
191.25-213.75 (SSW)	16.2 $\pm$ 0.0	1
213.75-236.25 (SW)	15.0 $\pm$ 3.6	4
236.25-258.75 (WSW)	13.7 $\pm$ 1.0	4
258.75-281.25 (W)	17.4 $\pm$ 3.1	4
281.25-303.75 (WNW)	16.9 $\pm$ 1.7	3
303.75-326.25 (NW)	15.7 $\pm$ 1.0	4
326.25-348.75 (NNW)	16.1 $\pm$ 1.4	6

DISTANCE(mi) FROM THE REACTOR	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	◆ IN GROUP
0-2	16.3 $\pm$ 2.4	15
2-5	16.7 $\pm$ 2.4	7
>5	15.5 $\pm$ 2.9	15
UPWIND CONTROL DATA	10.5 $\pm$ .2	3

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



FITZPATRICK/NINE MI.  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 900317-900724 130 DAYS  
 FIELD TIME 96 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)			NET EXPOSURE RATE		
	AZIMUTH (deg.)	DIST (mi.)	+-	Rdm;	Tot.	+-	Rdm;	Tot.
001	230	6.9	17.9	+-	.5 ; 2.7	14.2	+-	.6 ; 3.7
002	184	14	20.2	+-	.6 ; 3.0	16.2	+-	.6 ; 3.9
003	122	6.4	18.7	+-	.6 ; 2.8	14.9	+-	.6 ; 3.8
004	76	11.	20.1	+-	.6 ; 3.0	16.2	+-	.6 ; 3.9
005	91	6.8	19.7	+-	.6 ; 3.0	15.8	+-	.6 ; 3.9
006	112	4.3	18.8	+-	.6 ; 2.8	15.8	+-	.6 ; 3.8
007	138	4.3	19.3	+-	.6 ; 2.9	15.4	+-	.6 ; 3.8
008	152	3.6	19.3	+-	.6 ; 2.9	15.4	+-	.6 ; 3.8
009	183	3.9	19.2	+-	.6 ; 2.9	15.3	+-	.6 ; 3.8
010	205	4.5	17.1	+-	.5 ; 2.6	13.4	+-	.5 ; 3.6
011	220	4.4	18.3	+-	.5 ; 2.7	14.5	+-	.6 ; 3.7
012	230	6.1	19.7	+-	.6 ; 2.9	15.8	+-	.6 ; 3.9
013	245	1.8	19.8	+-	.6 ; 2.8	15.2	+-	.6 ; 3.8
014	223	1.8	18.2	+-	.5 ; 2.7	14.4	+-	.6 ; 3.7
015	204	2	17.3	+-	.5 ; 2.6	13.6	+-	.6 ; 3.6
016	181	1.8	18.5	+-	.6 ; 2.8	14.7	+-	.6 ; 3.8
017	157	1.9	19.3	+-	.6 ; 2.9	15.5	+-	.6 ; 3.8
018	137	1.6	18.4	+-	.6 ; 2.8	14.6	+-	.6 ; 3.7
019	115	1.2	17.5	+-	.5 ; 2.6	13.8	+-	.6 ; 3.7
020	92	1.1	19.5	+-	.6 ; 2.9	15.6	+-	.6 ; 3.8
021	229	20.	18.3	+-	.5 ; 2.7	14.5	+-	.6 ; 3.7
022	229	20.	18.1	+-	.5 ; 2.7	14.3	+-	.6 ; 3.7
023	229	20.	19.1	+-	.6 ; 2.9	15.3	+-	.6 ; 3.8
024	196	8	18.9	+-	.6 ; 2.8	15.1	+-	.6 ; 3.8
025	168	7.2	17.1	+-	.5 ; 2.6	13.4	+-	.5 ; 3.6
026	152	.6	20.4	+-	.6 ; 3.1	16.5	+-	.6 ; 3.9
TRANSIT DOSE =			2.3	+-	.3 ; 3.1			

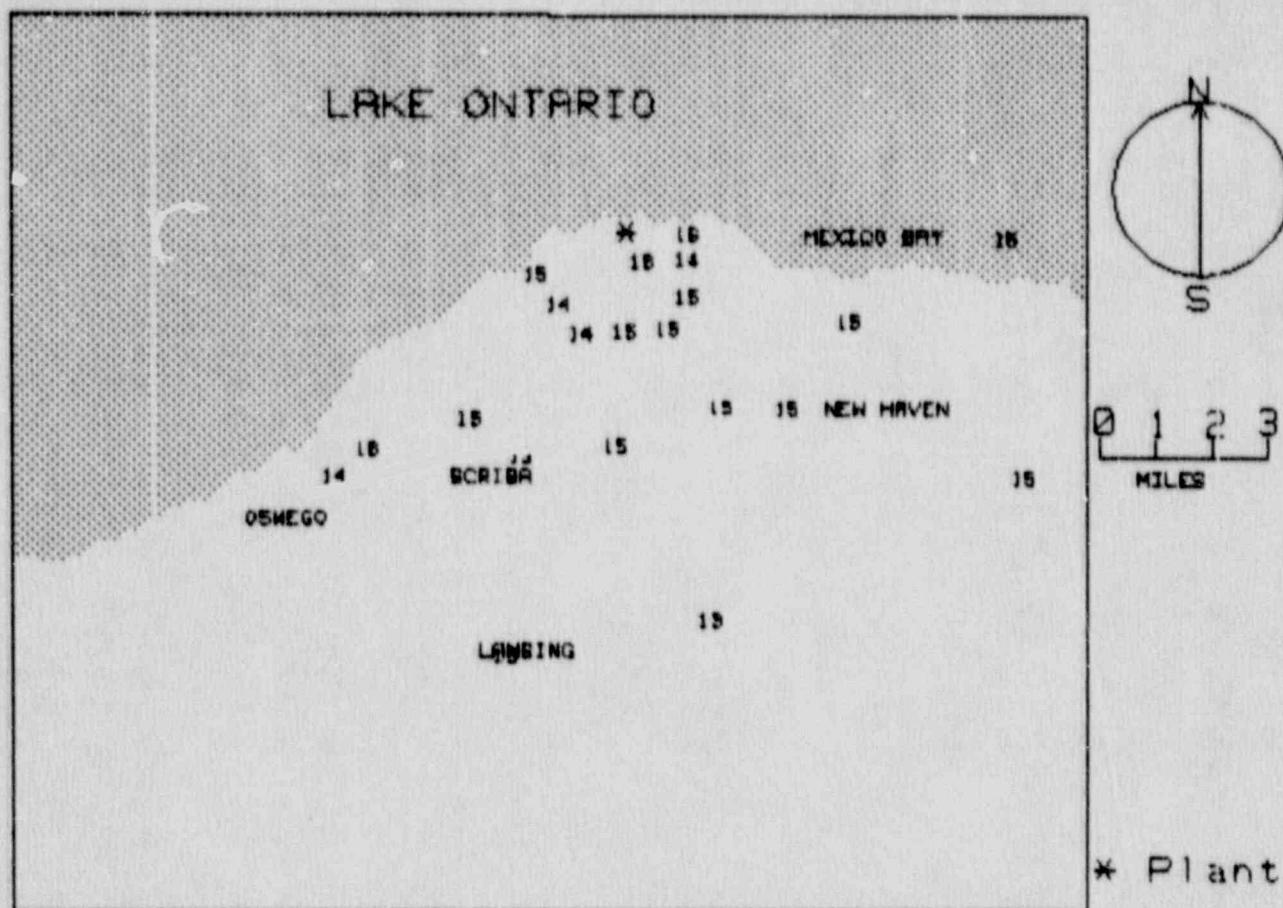
FITZPATRICK/NINE MI.  
FOR THE PERIOD 900317-900724

## 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)	16.2 $\pm$ 0.0	1
78.75-101.25 (E)	15.7 $\pm$ .2	2
101.25-123.75 (ESE)	14.5 $\pm$ .7	3
123.75-146.25 (SE)	15.0 $\pm$ .8	2
146.25-168.75 (SSE)	15.2 $\pm$ 1.3	4
168.75-191.25 (S)	15.4 $\pm$ .8	3
191.25-213.75 (SSW)	14.0 $\pm$ .8	3
213.75-236.25 (SW)	14.7 $\pm$ .7	4
236.25-258.75 (WSW)	15.2 $\pm$ 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	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	◆ IN GROUP
0-2	14.9 $\pm$ .9	9
2-5	14.8 $\pm$ .8	6
>5	15.2 $\pm$ 1.0	8
UPWIND CONTROL DATA	14.7 $\pm$ .5	3

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



FT. CALHOUN  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 900313-900801 142 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	358	2.0	25.4	+-	.8 ; 3.8	19.8	+-	.9 ; 5.2
002	351	4.6	26.2	+-	.8 ; 3.9	20.6	+-	.9 ; 5.3
003	30	2.5	27.7	+-	.8 ; 4.1	22.2	+-	1.0 ; 5.5
004	27	4.6	26.8	+-	.8 ; 4.0	21.3	+-	1.0 ; 5.3
005	53	1.9	25.6	+-	.8 ; 3.8	20.8	+-	.9 ; 5.2
006	37	3.9	27.9	+-	.8 ; 4.2	22.4	+-	1.0 ; 5.5
007	76	2.3	26.9	+-	.8 ; 4.0	21.3	+-	1.0 ; 5.3
008	59	5.2	26.3	+-	.8 ; 3.9	20.8	+-	.9 ; 5.3
009	100	2.3	25.0	+-	.8 ; 3.8	19.4	+-	.9 ; 5.1
010	88	5.6	27.4	+-	.8 ; 4.1	21.9	+-	1.0 ; 5.4
011	122	2.3	26.5	+-	.8 ; 4.0	20.9	+-	.9 ; 5.3
012	105	5.7	26.7	+-	.8 ; 4.0	21.2	+-	1.0 ; 5.3
013	145	1.9	27.0	+-	.8 ; 4.0	21.5	+-	1.0 ; 5.4
014	128	5.5	27.8	+-	.8 ; 4.2	22.4	+-	1.0 ; 5.5
015	157	1.9	27.0	+-	.8 ; 4.1	21.5	+-	1.0 ; 5.4
016	150	4.9	27.1	+-	.8 ; 4.1	21.6	+-	1.0 ; 5.4
017	173	9.5	27.2	+-	.8 ; 4.1	21.7	+-	1.0 ; 5.4
018	173	5.3	27.4	+-	.8 ; 4.1	21.9	+-	1.0 ; 5.4
019	212	2.5	29.4	+-	.9 ; 4.4	24.0	+-	1.0 ; 5.7
020	204	5.3	28.4	+-	.9 ; 4.3	22.9	+-	1.0 ; 5.5
021	233	2.0	29.5	+-	.9 ; 4.4	24.2	+-	1.0 ; 5.7
022	224	4.6	28.9	+-	.9 ; 4.3	23.5	+-	1.0 ; 5.6
023	239	0.6	26.8	+-	.8 ; 4.0	21.2	+-	1.0 ; 5.3
024	243	.9	25.4	+-	.8 ; 3.8	19.8	+-	.9 ; 5.2
025	269	3.3	28.0	+-	.8 ; 4.2	22.5	+-	1.0 ; 5.5
026	262	5.9	29.0	+-	.9 ; 4.4	23.6	+-	1.0 ; 5.6
027	288	2.8	25.0	+-	.8 ; 3.8	19.4	+-	.9 ; 5.1
028	292	5.0	27.4	+-	.8 ; 4.1	21.9	+-	1.0 ; 5.4
029	311	2.4	27.2	+-	.8 ; 4.1	21.7	+-	1.0 ; 5.4
030	310	5.5	27.4	+-	.8 ; 4.1	21.9	+-	1.0 ; 5.4
031	340	2.3	26.5	+-	.8 ; 4.0	20.9	+-	.9 ; 5.3
032	338	5.3	27.9	+-	.8 ; 4.2	22.5	+-	1.0 ; 5.5
033	182	0.5	27.3	+-	.8 ; 4.1	21.8	+-	1.0 ; 5.4
035	127	2.2	25.9	+-	.8 ; 3.9	20.3	+-	.9 ; 5.2
039	150	5.0	26.8	+-	.8 ; 4.0	21.3	+-	1.0 ; 5.3
040	73	9.5	28.0	+-	.8 ; 4.2	22.6	+-	1.0 ; 5.5
043	29	8.0	26.1	+-	.8 ; 3.9	20.6	+-	.9 ; 5.3
044	65	3.5	25.4	+-	.8 ; 3.8	19.8	+-	.9 ; 5.2
045	182	4.2	27.4	+-	.8 ; 4.1	21.9	+-	1.0 ; 5.4
047	298	4.5	MISSING OR DAMAGED DOSIMETER					
048	13	14.	25.9	+-	.8 ; 3.9	20.3	+-	.9 ; 5.2
049	207	19.	27.2	+-	.8 ; 4.1	21.7	+-	1.0 ; 5.4
TRANSIT DOSE =			6.7	+-	.4 ; 3.0			



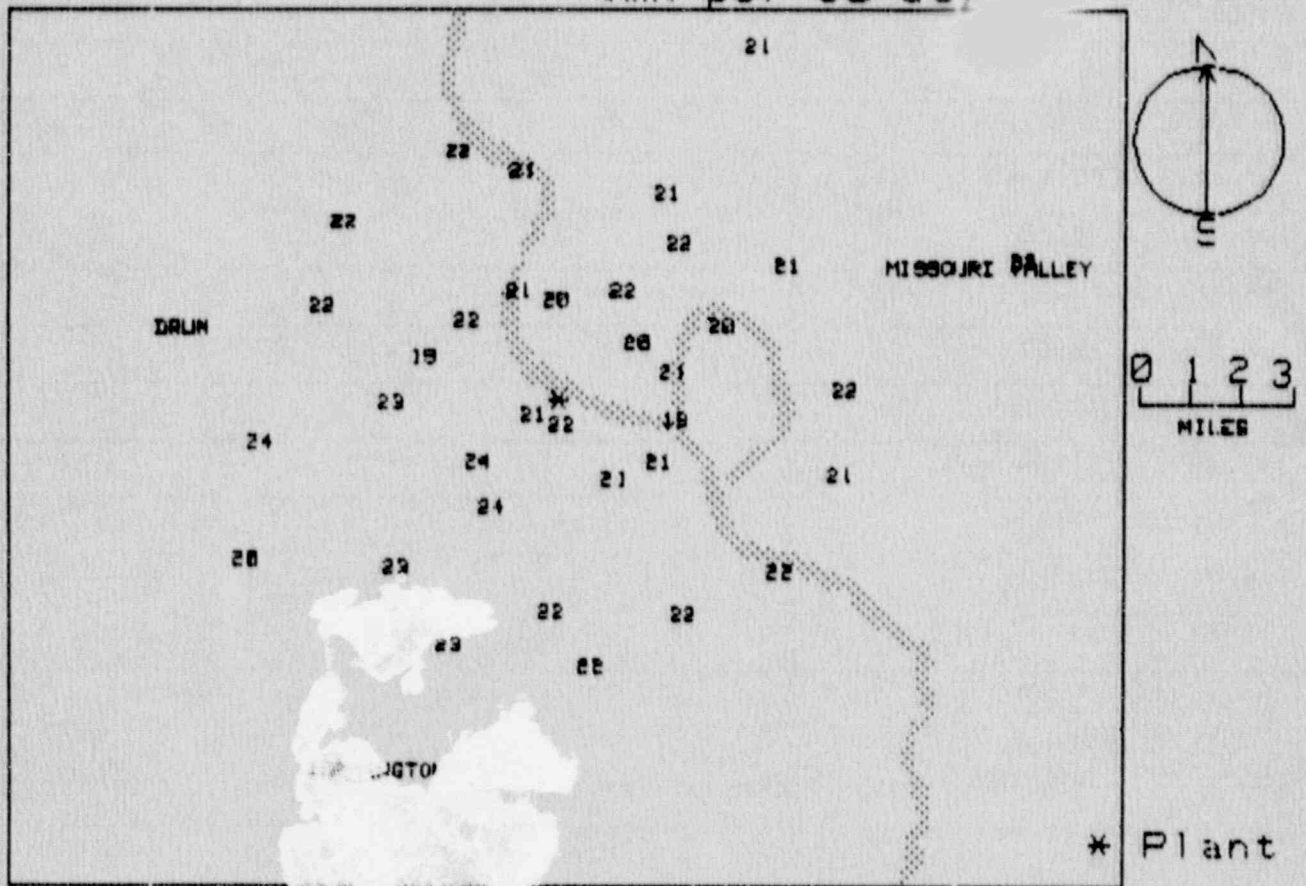
FT. CALHOUN  
FOR THE PERIOD 900313-900801

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
348.75-11.25 (N)	20.2 $\pm$ .8	2
11.25-33.75 (NNE)	21.3 $\pm$ .8	3
33.75-56.25 (NE)	21.2 $\pm$ 1.7	2
56.25-78.75 (ENE)	21.1 $\pm$ 1.2	4
78.75-101.25 (E)	20.6 $\pm$ 1.0	2
101.25-123.75 (ESE)	21.1 $\pm$ .2	2
123.75-146.25 (SE)	21.4 $\pm$ 1.0	3
146.25-168.75 (SSE)	21.5 $\pm$ .1	3
168.75-191.25 (S)	21.8 $\pm$ .1	4
191.25-213.75 (SSW)	23.5 $\pm$ .8	2
213.75-236.25 (SW)	23.8 $\pm$ .5	2
236.25-258.75 (WSW)	20.5 $\pm$ 1.0	2
258.75-281.25 (W)	23.1 $\pm$ .8	2
281.25-303.75 (WNW)	20.6 $\pm$ 1.0	2
303.75-326.25 (NW)	21.8 $\pm$ .1	2
326.25-348.75 (NNW)	21.7 $\pm$ 1.1	2

DISTANCE (mi) FROM THE REACTOR	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
<2	21.5 $\pm$ 1.3	8
2-5	21.4 $\pm$ 1.2	19
>5	21.8 $\pm$ 1.1	12
UPWIND CONTROL DATA	21.0 $\pm$ 1.0	2

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



FT. ST. VRAIN  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 900313-900802 143 DAYS  
 FIELD TIME 107 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE(mR)			NET EXPOSURE RATE		
	AZIMUTH (deg.)	DIST (mi.)	+- Rdm;Tot.			+- Rdm;Tot.		
001	8	0.8	43.5	+- 1.3	; 6.5	28.0	+- 1.2	; 6.4
002	2	3.3	42.3	+- 1.3	; 6.3	27.0	+- 1.2	; 6.3
003	29	2.6	42.2	+- 1.3	; 6.3	26.9	+- 1.2	; 6.3
004	17	5.4	43.2	+- 1.3	; 6.3	26.9	+- 1.2	; 6.3
005	54	2.1	43.2	+- 1.3	; 6.5	27.8	+- 1.2	; 6.4
006	48	3.2	43.0	+- 1.3	; 6.4	27.6	+- 1.2	; 6.4
007	76	2.4	45.7	+- 1.4	; 6.9	29.9	+- 1.2	; 6.7
008	50	4.2	42.6	+- 1.3	; 6.4	27.4	+- 1.2	; 6.4
009	103	1.5	44.4	+- 1.3	; 6.7	28.7	+- 1.2	; 6.5
010	87	4.5	43.2	+- 1.3	; 6.3	27.8	+- 1.2	; 6.4
011	119	1.6	46.9	+- 1.4	; 7.0	30.9	+- 1.3	; 6.8
012	104	3.0	42.5	+- 1.3	; 6.4	27.1	+- 1.2	; 6.3
013	143	1.6	44.5	+- 1.3	; 6.7	28.9	+- 1.2	; 6.6
014	128	4.5	43.0	+- 1.3	; 6.4	27.6	+- 1.2	; 6.4
015	168	2.3	40.9	+- 1.2	; 6.1	25.7	+- 1.1	; 6.2
016	148	4.6	41.0	+- 1.2	; 6.1	25.9	+- 1.1	; 6.2
017	182	0.8	43.7	+- 1.3	; 6.5	28.2	+- 1.2	; 6.5
018	175	4.8	42.5	+- 1.3	; 6.4	27.1	+- 1.2	; 6.3
019	210	0.9	44.4	+- 1.3	; 6.7	28.8	+- 1.2	; 6.5
020	200	2.9	42.7	+- 1.3	; 6.4	27.3	+- 1.2	; 6.4
021	234	1.3	43.8	+- 1.3	; 6.6	28.3	+- 1.2	; 6.5
022	216	3.3	41.9	+- 1.3	; 6.3	26.6	+- 1.2	; 6.3
023	254	2.5	40.9	+- 1.2	; 6.1	25.8	+- 1.1	; 6.2
024	244	3.8	41.1	+- 1.2	; 6.2	26.0	+- 1.1	; 6.2
025	278	1.5	40.4	+- 1.2	; 6.1	25.4	+- 1.1	; 6.1
026	263	5.4	42.6	+- 1.3	; 6.4	27.2	+- 1.2	; 6.3
027	297	1.7	40.9	+- 1.2	; 6.1	25.8	+- 1.1	; 6.2
028	284	5.6	41.7	+- 1.2	; 6.2	26.5	+- 1.2	; 6.2
029	317	0.9	40.6	+- 1.2	; 6.1	25.6	+- 1.1	; 6.1
030	305	4.2	38.8	+- 1.2	; 5.8	24.0	+- 1.1	; 5.9
031	338	1.4	40.7	+- 1.2	; 6.1	25.6	+- 1.1	; 6.1
032	330	5.0	37.8	+- 1.1	; 5.7	23.2	+- 1.1	; 5.8
033	267	6.5	38.9	+- 1.2	; 5.8	24.1	+- 1.1	; 5.9
034	130	3.7	41.4	+- 1.2	; 6.2	26.2	+- 1.1	; 6.2
035	270	0.1	39.7	+- 1.2	; 5.9	24.8	+- 1.1	; 6.0
038	345	6.7	44.0	+- 1.3	; 6.6	28.4	+- 1.2	; 6.5
039	10	6.0	39.1	+- 1.2	; 5.9	24.3	+- 1.1	; 6.0
040	63	6.0	MISSING OR DAMAGED DOSIMETER					
041	165	12.	44.7	+- 1.3	; 6.7	29.0	+- 1.2	; 6.6
042	248	13.	44.0	+- 1.3	; 6.6	28.4	+- 1.2	; 6.5
045	198	11.	42.8	+- 1.3	; 6.4	27.4	+- 1.2	; 6.4
046	39	16.	41.6	+- 1.2	; 6.2	26.4	+- 1.2	; 6.2
047	357	17.	39.5	+- 1.2	; 5.9	24.7	+- 1.1	; 6.0
048	171	18.	43.2	+- 1.3	; 6.5	27.7	+- 1.2	; 6.4
049	360	0.5	44.9	+- 1.3	; 6.7	29.2	+- 1.2	; 6.6
TRANSIT DOSE =			10.2	+- .6	; 4.0			

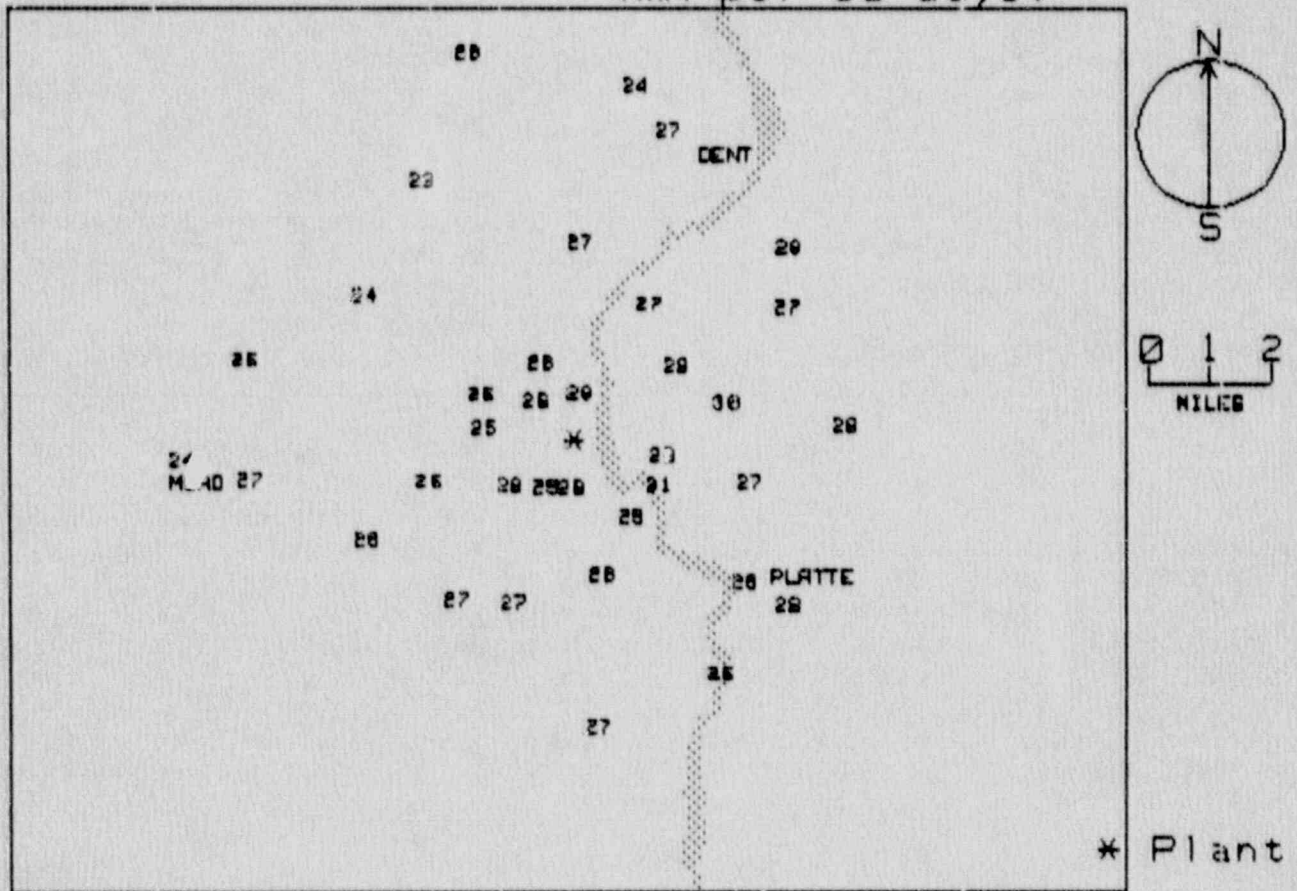
FT. ST. VIRGIN  
FOR THE PERIOD 900313-900802

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	♦ IN GROUP
348.75-11.25 (N)	26.4 $\pm$ 1.9	3
11.25-33.75 (NNE)	26.9 $\pm$ .8	2
33.75-56.25 (NE)	27.2 $\pm$ .7	3
56.25-78.75 (ENE)	28.6 $\pm$ 1.6	2
78.75-101.25 (E)	28.3 $\pm$ .7	2
101.25-123.75 (ESE)	29.0 $\pm$ 2.6	2
123.75-146.25 (SE)	27.6 $\pm$ 1.3	3
146.25-168.75 (SSE)	26.9 $\pm$ 1.9	3
168.75-191.25 (S)	27.7 $\pm$ .7	2
191.25-213.75 (SSW)	27.8 $\pm$ .8	3
213.75-236.25 (SW)	27.5 $\pm$ 1.2	2
236.25-258.75 (WSW)	26.7 $\pm$ 1.4	3
258.75-281.25 (W)	25.4 $\pm$ 1.3	4
281.25-303.75 (WNW)	26.1 $\pm$ .5	2
303.75-326.25 (NW)	24.8 $\pm$ 1.1	2
326.25-348.75 (NNW)	25.8 $\pm$ 2.6	3

DISTANCE(mi) FROM THE REACTOR	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	♦ IN GROUP
0-2	27.4 $\pm$ 1.9	12
2-5	26.7 $\pm$ 1.4	19
>5	26.9 $\pm$ 1.6	10
UPWIND CONTROL DATA	27.2 $\pm$ 2.3	3

NRC TLD DOSES FOR FT. ST. VRAIN AREA  
(mR per 90 days)



GINNA  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 900317-900725 131 DAYS  
 FIELD TIME 98 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)			NET EXPOSURE RATE mR/Std.Qtr.		
	AZIMUTH (deg.)	DIST (mi.)	+ -	Rdm;	Tot.	+ -	Rdm;	Tot.
001	95	1.7	18.0	+ -	.5 ; 2.7	14.5	+ -	.6 ; 3.7
002	108	1.1	18.3	+ -	.5 ; 2.7	14.7	+ -	.6 ; 3.7
003	142	1.7	17.5	+ -	.5 ; 2.6	13.9	+ -	.6 ; 3.7
004	154	1.5	18.1	+ -	.5 ; 2.7	14.5	+ -	.6 ; 3.7
005	174	1.4	18.3	+ -	.5 ; 2.7	14.7	+ -	.6 ; 3.7
006	212	1.6	17.2	+ -	.5 ; 2.6	13.7	+ -	.6 ; 3.7
007	244	.9	18.0	+ -	.5 ; 2.7	14.4	+ -	.6 ; 3.7
008	230	.6	18.6	+ -	.6 ; 2.8	15.0	+ -	.6 ; 3.8
010	266	1.5	18.4	+ -	.6 ; 2.8	14.8	+ -	.6 ; 3.8
011	264	4.6	19.1	+ -	.6 ; 2.9	15.5	+ -	.6 ; 3.8
012	245	3.8	17.6	+ -	.5 ; 2.6	14.1	+ -	.6 ; 3.7
013	235	4.2	17.9	+ -	.5 ; 2.7	14.4	+ -	.6 ; 3.7
014	200	3.8	17.3	+ -	.5 ; 2.6	13.8	+ -	.6 ; 3.7
015	178	3.4	18.1	+ -	.5 ; 2.7	14.5	+ -	.6 ; 3.7
016	160	3.7	17.1	+ -	.5 ; 2.6	13.6	+ -	.6 ; 3.6
017	134	3.8	16.3	+ -	.5 ; 2.4	12.8	+ -	.5 ; 3.6
018	115	4.3	18.3	+ -	.5 ; 2.7	14.7	+ -	.6 ; 3.8
019	88	4	MISSING OR DAMAGED DOSIMETER					
020	90	6.2	16.7	+ -	.5 ; 2.5	13.3	+ -	.5 ; 3.6
021	123	7.6	15.3	+ -	.5 ; 2.3	11.9	+ -	.5 ; 3.5
022	151	11.	17.4	+ -	.5 ; 2.6	13.9	+ -	.6 ; 3.7
023	105	12.	17.8	+ -	.5 ; 2.7	14.3	+ -	.6 ; 3.7
024	212	14.	22.3	+ -	.7 ; 3.3	18.4	+ -	.7 ; 4.1
025	223	13.	18.0	+ -	.5 ; 2.7	14.4	+ -	.6 ; 3.7
026	242	16.	18.8	+ -	.6 ; 2.8	15.1	+ -	.6 ; 3.8
027	254	14.	19.7	+ -	.6 ; 2.9	16.0	+ -	.6 ; 3.9
028	234	6.9	17.7	+ -	.5 ; 2.7	14.2	+ -	.6 ; 3.7
029	185	.3	19.2	+ -	.6 ; 2.9	15.5	+ -	.6 ; 3.8
030	264	15.	17.0	+ -	.5 ; 2.6	13.5	+ -	.5 ; 3.6
TRANSIT DOSE =			2.3	+ -	.3 ; 3.0			

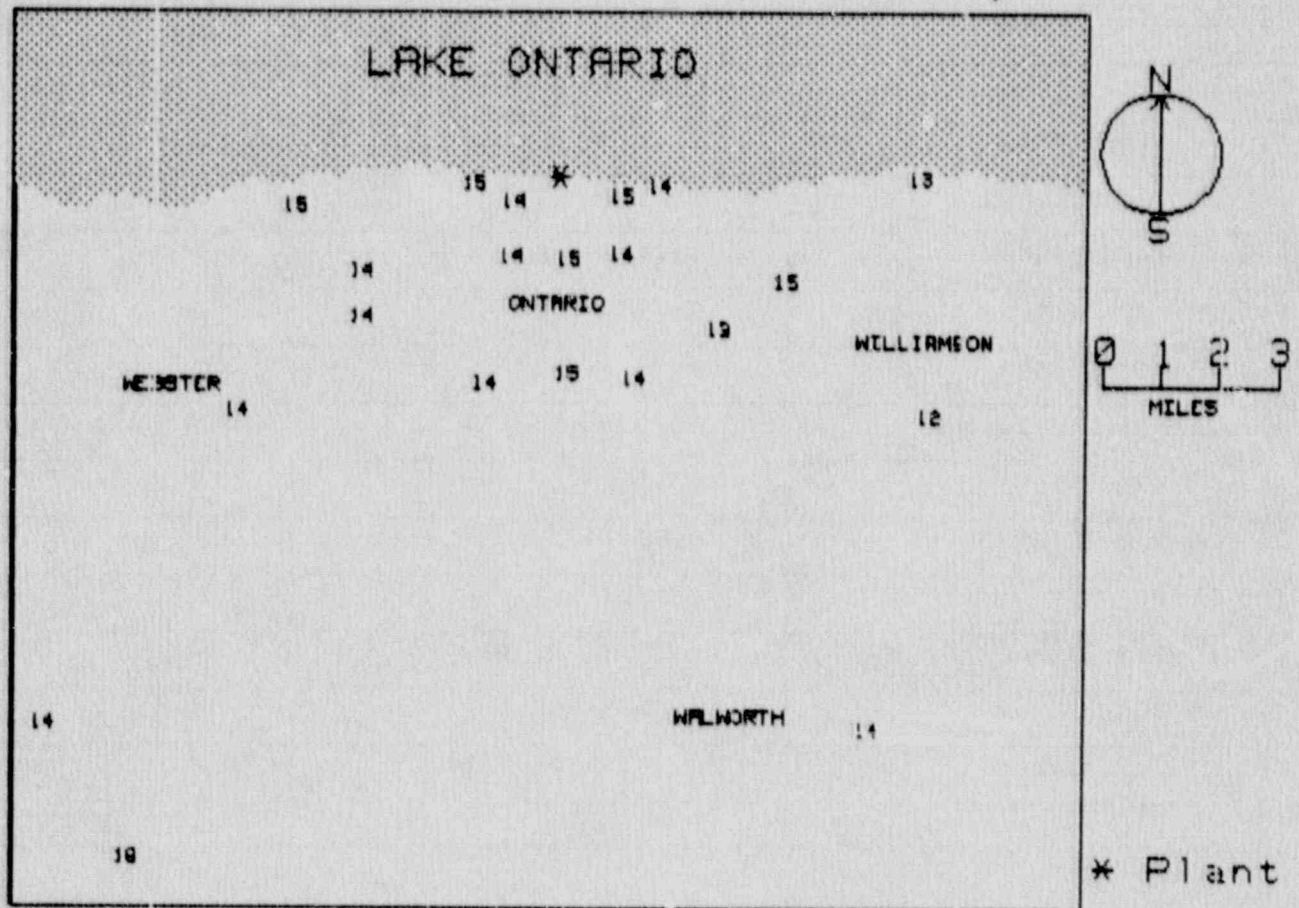
GIHNA  
FOR THE PERIOD 900317-900725

## 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)	13.8 $\pm$ .8	2
101.25-123.75 (ESE)	13.8 $\pm$ 1.3	4
123.75-146.25 (SE)	13.4 $\pm$ .8	2
146.25-168.75 (SSE)	14.0 $\pm$ .5	3
168.75-191.25 (S)	14.8 $\pm$ .5	3
191.25-213.75 (SSW)	15.3 $\pm$ 2.7	3
213.75-236.25 (SW)	14.5 $\pm$ .4	4
236.25-258.75 (WSW)	14.2 $\pm$ .2	2
258.75-281.25 (W)	15.1 $\pm$ .5	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(mi) FROM THE REACTOR	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
0-2	14.6 $\pm$ .5	10
2-5	14.2 $\pm$ .8	8
>5	14.3 $\pm$ 2.0	7
UPWIND CONTROL DATA	14.8 $\pm$ 1.2	3

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





GRAND GULF  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 900317-900727 133 DAYS  
 FIELD TIME 92 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)			NET EXPOSURE RATE mR/St. Qtr.		
	AZIMUTH (deg.)	DIST (mi.)	+-	Rdm;	Tot.	+-	Rdm;	Tot.
001	337	2.	19.7	+-	.6 ; 2.9	14.5	+-	.7 ; 4.2
002	351	1.6	19.9	+-	.6 ; 3.0	14.7	+-	.7 ; 4.2
003	20	1.5	21.6	+-	.6 ; 3.2	16.4	+-	.7 ; 4.4
004	51	2.3	21.2	+-	.6 ; 3.2	16.0	+-	.7 ; 4.3
005	68	2.7	21.4	+-	.6 ; 3.2	16.2	+-	.7 ; 4.3
006	47	4.1	20.1	+-	.6 ; 3.6	15.0	+-	.7 ; 4.2
007	68	4.9	24.9	+-	.7 ; 3.7	19.7	+-	.8 ; 4.7
008	91	3.2	23.3	+-	.7 ; 3.5	18.0	+-	.8 ; 4.5
009	81	1.0	22.6	+-	.7 ; 3.4	17.4	+-	.8 ; 4.5
010	109	0.6	23.4	+-	.7 ; 3.5	18.2	+-	.8 ; 4.6
011	139	0.8	24.0	+-	.7 ; 3.7	19.5	+-	.8 ; 4.7
012	185	1.6	23.2	+-	.7 ; 3.5	18.0	+-	.8 ; 4.5
013	207	1.9	24.4	+-	.7 ; 3.7	19.1	+-	.8 ; 4.7
014	247	1.5	32.3	+-	1.0 ; 4.8	26.8	+-	1.0 ; 5.6 *
015	130	4.2	23.9	+-	.7 ; 3.6	18.6	+-	.8 ; 4.6
016	122	4.8	23.7	+-	.7 ; 3.6	18.5	+-	.8 ; 4.6
017	135	5.3	22.9	+-	.7 ; 3.4	17.7	+-	.8 ; 4.5
018	147	4.3	21.7	+-	.7 ; 3.3	16.5	+-	.7 ; 4.4
019	224	6.8	23.7	+-	.7 ; 3.6	18.5	+-	.8 ; 4.6
020	172	3.6	22.3	+-	.7 ; 3.3	17.1	+-	.7 ; 4.4
021	291	12.	21.7	+-	.6 ; 3.2	16.5	+-	.7 ; 4.4
022	332	8.0	24.2	+-	.7 ; 3.6	18.9	+-	.8 ; 4.6
023	310	7.9	29.2	+-	.9 ; 4.4	23.9	+-	.9 ; 5.2 *
024	281	7.0	21.5	+-	.6 ; 3.2	16.3	+-	.7 ; 4.3
025	291	4.8	24.1	+-	.7 ; 3.6	18.8	+-	.8 ; 4.6
026	248	9.5	22.7	+-	.7 ; 3.4	17.5	+-	.8 ; 4.5
027	239	13	21.4	+-	.6 ; 3.2	16.2	+-	.7 ; 4.3
029	090	0.9	23.0	+-	.7 ; 3.5	17.8	+-	.8 ; 4.5
030	67	51	19.3	+-	.6 ; 2.9	14.1	+-	.7 ; 4.1
031	67	51	18.3	+-	.5 ; 2.7	13.1	+-	.6 ; 4.0
032	67	51	19.4	+-	.6 ; 2.9	14.3	+-	.7 ; 4.1
033	206	4.8	24.5	+-	.7 ; 3.7	19.3	+-	.8 ; 4.7

TRANSIT DOSE = 4.8 +- .4 ; 3.1

\* Station nos. 14 and 23: Results are shown for two quarters; i.e., for the period 891211-900727 (Field time 181 days). Exchange was not performed in April at these stations due to flooding.

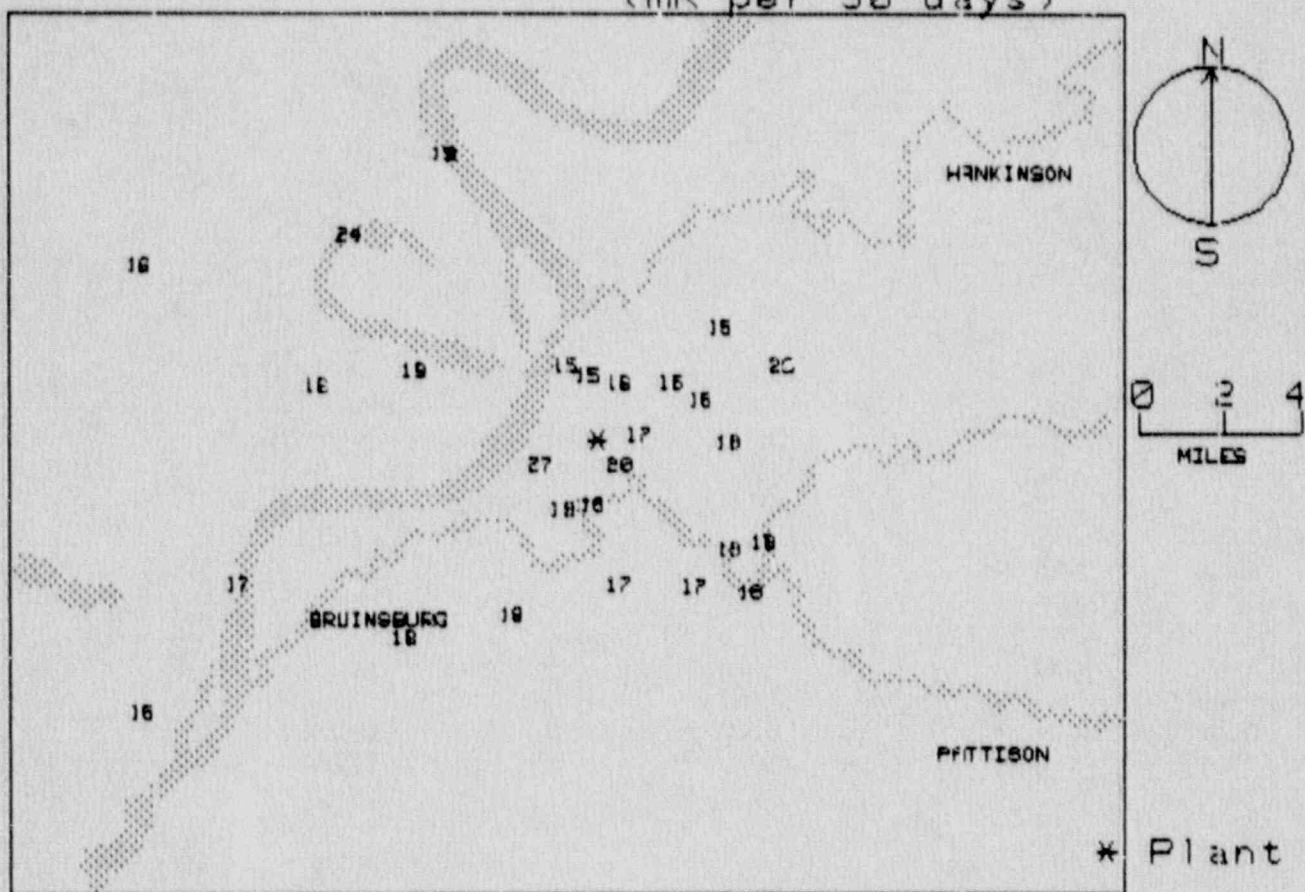
GRAND GULF  
FOR THE PERIOD 900317-900727

TLI DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
348.75-11.25 (N)	14.7 $\pm$ 0.0	1
11.25-33.75 (NNE)	16.4 $\pm$ 0.0	1
33.75-56.25 (NE)	15.5 $\pm$ .7	2
56.25-78.75 (ENE)	17.9 $\pm$ 2.5	2
78.75-101.25 (E)	17.7 $\pm$ .3	3
101.25-123.75 (ESE)	18.3 $\pm$ .2	2
123.75-146.25 (SE)	18.6 $\pm$ .8	3
146.25-168.75 (SSE)	16.5 $\pm$ 0.0	1
168.75-191.25 (S)	17.5 $\pm$ .7	2
191.25-213.75 (SSW)	19.2 $\pm$ .1	2
213.75-236.25 (SW)	18.5 $\pm$ 0.0	1
236.25-258.75 (WSW)	20.2 $\pm$ 5.0	3
258.75-281.25 (W)	16.3 $\pm$ 0.0	1
281.25-303.75 (WNW)	17.6 $\pm$ 1.7	2
303.75-326.25 (NW)	23.9 $\pm$ 0.0	1
326.25-348.75 (NNW)	16.7 $\pm$ 3.1	2

DISTANCE (mi) FROM THE REACTOR	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
0-2	18.2 $\pm$ 3.4	10
2-5	17.6 $\pm$ 1.5	11
>5	18.2 $\pm$ 2.5	8
UPWIND CONTROL DATA	13.8 $\pm$ .6	3

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



HADDAM NECK  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 900318-900724 129 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.
002	17	2.6	22.2	+-	.7 ; 3.3	18.2	+-	.7 ; 4.3
003	45	1.9	23.4	+-	.7 ; 3.5	19.3	+-	.8 ; 4.5
004	67	2.3	21.9	+-	.7 ; 3.3	17.9	+-	.7 ; 4.3
005	93	1.6	20.6	+-	.6 ; 3.1	16.6	+-	.7 ; 4.1
006	115	2.3	19.9	+-	.6 ; 3.0	15.9	+-	.7 ; 4.1
007	143	1.9	21.0	+-	.6 ; 3.2	17.0	+-	.7 ; 4.2
008	165	.9	20.1	+-	.6 ; 3.0	16.1	+-	.7 ; 4.1
009	174	1.3	21.7	+-	.7 ; 3.3	17.7	+-	.7 ; 4.3
010	195	.7	19.6	+-	.6 ; 2.9	15.7	+-	.7 ; 4.0
012	241	.8	20.6	+-	.6 ; 3.1	16.6	+-	.7 ; 4.2
013	263	.8	20.1	+-	.6 ; 3.0	16.1	+-	.7 ; 4.1
014	290	1.9	21.8	+-	.7 ; 3.3	17.8	+-	.7 ; 4.3
015	311	1.5	19.6	+-	.6 ; 2.9	15.7	+-	.7 ; 4.0
016	341	1.3	20.5	+-	.6 ; 3.1	16.5	+-	.7 ; 4.1
017	360	2.3	23.0	+-	.7 ; 3.5	18.9	+-	.7 ; 4.4
018	222	2.5	19.9	+-	.6 ; 3.0	15.9	+-	.7 ; 4.1
019	269	3	18.6	+-	.6 ; 2.8	14.6	+-	.6 ; 3.9
020	66	3.2	20.9	+-	.6 ; 3.1	16.9	+-	.7 ; 4.2
021	91	2.8	21.6	+-	.6 ; 3.2	17.6	+-	.7 ; 4.3
022	112	3.2	19.9	+-	.6 ; 3.0	15.9	+-	.7 ; 4.1
023	137	2.9	20.4	+-	.6 ; 3.1	16.4	+-	.7 ; 4.1
024	155	7.1	20.1	+-	.6 ; 3.0	16.1	+-	.7 ; 4.1
025	175	5.7	19.0	+-	.6 ; 2.9	15.1	+-	.6 ; 4.0
026	196	2.5	19.2	+-	.6 ; 2.9	15.3	+-	.6 ; 4.0
027	225	1.1	21.2	+-	.6 ; 3.2	17.2	+-	.7 ; 4.2
028	250	3.5	20.3	+-	.6 ; 3.0	16.3	+-	.7 ; 4.1
029	340	20	22.5	+-	.7 ; 3.4	18.4	+-	.7 ; 4.3
030	286	3.2	19.7	+-	.6 ; 2.9	15.7	+-	.7 ; 4.1
031	322	2.7	21.0	+-	.6 ; 3.2	17.0	+-	.7 ; 4.2
032	327	2.9	23.3	+-	.7 ; 3.5	19.2	+-	.7 ; 4.4
033	359	6.4	20.5	+-	.6 ; 3.1	16.5	+-	.7 ; 4.1
035	54	10.	20.8	+-	.6 ; 3.1	16.8	+-	.7 ; 4.2
036	72	8.8	23.7	+-	.7 ; 3.6	19.6	+-	.8 ; 4.5
037	149	6.8	18.4	+-	.6 ; 2.8	14.5	+-	.6 ; 3.9
038	158	5.9	18.5	+-	.6 ; 2.8	14.6	+-	.6 ; 3.9
039	267	8.8	20.4	+-	.6 ; 3.1	16.4	+-	.7 ; 4.1
040	303	9.1	21.2	+-	.6 ; 3.2	17.2	+-	.7 ; 4.2
041	313	9.6	19.8	+-	.6 ; 3.0	15.8	+-	.7 ; 4.1
042	320	13.	22.6	+-	.7 ; 3.4	18.5	+-	.7 ; 4.4
043	324	18	19.8	+-	.6 ; 3.0	15.8	+-	.7 ; 4.1
044	328	15	22.5	+-	.7 ; 3.4	18.4	+-	.7 ; 4.3
045	343	18	22.4	+-	.7 ; 3.4	18.4	+-	.7 ; 4.3
046	144	5	22.8	+-	.7 ; 3.4	18.7	+-	.7 ; 4.4
049	340	20	22.4	+-	.7 ; 3.4	18.4	+-	.7 ; 4.3

TRANSIT DOSE = 3.4 +- .3 ; 3.0

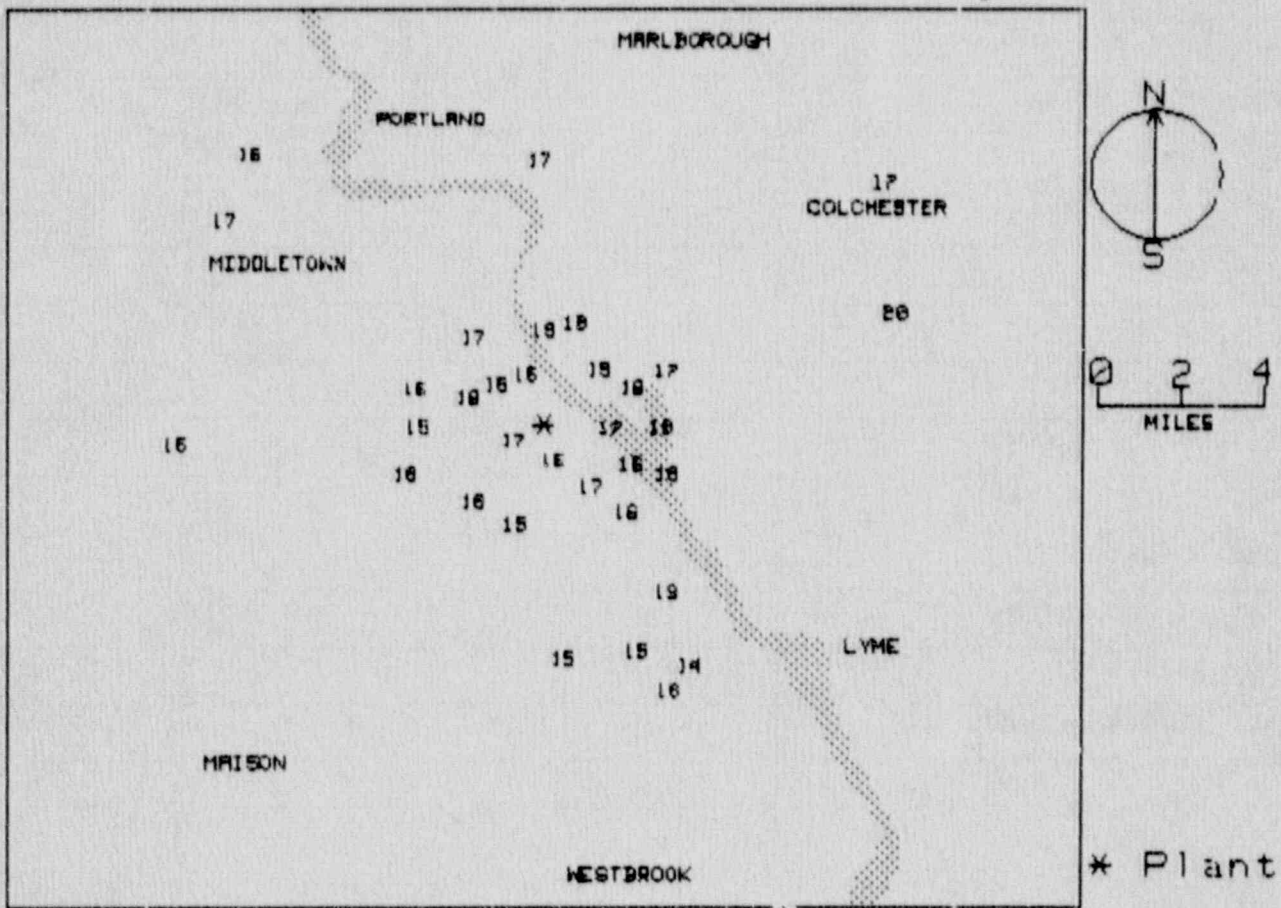
HADDAM NECK  
FOR THE PERIOD 900318-900724

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	# IN GROUP
348.75-11.25 (N)	17.7 $\pm$ 1.7	2
11.25-33.75 (NNE)	18.2 $\pm$ 0.0	1
33.75-56.25 (NE)	18.1 $\pm$ 1.8	2
56.25-78.75 (ENE)	18.1 $\pm$ 1.4	3
78.75-101.25 (E)	17.1 $\pm$ .7	2
101.25-123.75 (ESE)	15.8 $\pm$ .0	2
123.75-146.25 (SE)	17.4 $\pm$ 1.2	3
146.25-168.75 (SSE)	15.3 $\pm$ .9	4
168.75-191.25 (S)	16.4 $\pm$ 1.8	2
191.25-213.75 (SSW)	15.5 $\pm$ .3	2
213.75-236.25 (SW)	16.5 $\pm$ .9	2
236.25-258.75 (WSW)	16.4 $\pm$ .2	2
258.75-281.25 (W)	15.7 $\pm$ .9	3
281.25-303.75 (WNW)	16.9 $\pm$ 1.1	3
303.75-326.25 (NW)	16.8 $\pm$ 1.2	5
326.25-348.75 (NNW)	18.2 $\pm$ 1.0	5

DISTANCE(mi) FROM THE REACTOR	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	# IN GROUP
0-2	16.8 $\pm$ 1.0	12
2-5	16.9 $\pm$ 1.4	16
>5	16.8 $\pm$ 1.6	15
UPWIND CONTROL DATA	18.4 $\pm$ 0.0	1

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



HARRIS  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 900317-900727 133 DAYS  
 FIELD TIME 97 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE(mR)		NET EXPOSURE RATE		
	AZIMLTH (deg.)	DIST (mi.)	+- Rdm;Tot.		mR/Std.Qtr. +- Rdm;Tot.		
001	36	2.6	21.3	+- .6 ; 3.2	17.6	+- .7 ; 4.1	
002	25	3.2	18.9	+- .6 ; 2.8	15.4	+- .6 ; 3.8	
003	5	2.5	21.4	+- .6 ; 3.2	17.7	+- .7 ; 4.1	
004	27	1.5	21.0	+- .6 ; 3.1	17.3	+- .6 ; 4.0	
005	36	0.9	17.7	+- .5 ; 2.6	14.2	+- .6 ; 3.7	
006	68	0.8	17.0	+- .5 ; 2.6	13.6	+- .6 ; 3.7	
007	98	0.7	19.0	+- .6 ; 2.8	15.5	+- .6 ; 3.8	
008	232	0.7	MISSING OR DAMAGED DOSIMETER				
009	190	0.8	17.0	+- .5 ; 2.5	13.6	+- .6 ; 3.6	
010	158	0.7	18.1	+- .5 ; 2.7	14.7	+- .6 ; 3.8	
011	42	4.7	23.6	+- .7 ; 3.5	19.7	+- .7 ; 4.3	
012	40	8.6	20.5	+- .6 ; 3.1	16.9	+- .6 ; 4.0	
013	298	13.	18.4	+- .6 ; 2.8	14.9	+- .6 ; 3.8	
014	298	12.	17.3	+- .5 ; 2.6	13.9	+- .6 ; 3.7	
015	298	11.	17.3	+- .5 ; 2.6	13.9	+- .6 ; 3.7	
016	332	4.8	18.9	+- .6 ; 2.8	15.4	+- .6 ; 3.8	
017	291	4.5	16.8	+- .5 ; 2.5	13.4	+- .5 ; 3.6	
018	270	5.1	18.3	+- .5 ; 2.7	14.8	+- .6 ; 3.8	
019	240	5.1	21.3	+- .6 ; 3.2	17.6	+- .7 ; 4.1	
020	227	4.8	15.6	+- .5 ; 2.3	12.3	+- .5 ; 3.5	
021	208	4.8	15.8	+- .5 ; 2.4	12.5	+- .5 ; 3.5	
022	190	4.6	18.7	+- .6 ; 2.8	15.2	+- .6 ; 3.8	
023	151	4.8	19.3	+- .6 ; 2.9	15.7	+- .6 ; 3.9	
024	132	4.7	MISSING OR DAMAGED DOSIMETER				
025	112	5.0	21.0	+- .6 ; 3.1	17.3	+- .6 ; 4.0	
026	92	4.6	16.6	+- .5 ; 2.5	13.3	+- .5 ; 3.6	
027	115	2.8	18.2	+- .5 ; 2.7	14.7	+- .6 ; 3.8	
028	135	2.3	15.6	+- .5 ; 2.3	12.3	+- .5 ; 3.5	
029	164	2.2	18.5	+- .6 ; 2.8	15.0	+- .6 ; 3.8	
030	49	2.2	17.3	+- .5 ; 2.6	13.9	+- .6 ; 3.7	
031	276	1.8	17.3	+- .5 ; 2.6	13.9	+- .6 ; 3.7	
032	292	1.7	20.8	+- .6 ; 3.1	17.1	+- .6 ; 4.0	
033	314	1.4	19.6	+- .6 ; 2.9	16.1	+- .6 ; 3.9	
034	329	1.3	MISSING OR DAMAGED DOSIMETER				
035	350	4.5	19.6	+- .6 ; 2.9	16.0	+- .6 ; 3.9	
036	338	4.4	20.2	+- .6 ; 3.0	16.6	+- .6 ; 4.0	
037	16	4.9	21.0	+- .6 ; 3.2	17.4	+- .7 ; 4.0	
038	68	4.8	15.9	+- .5 ; 2.4	12.6	+- .5 ; 3.6	
039	80	6.9	19.0	+- .6 ; 2.8	15.5	+- .6 ; 3.8	
040	80	6.9	19.1	+- .6 ; 2.9	15.5	+- .6 ; 3.8	
041	118	9.7	23.7	+- .7 ; 3.5	19.8	+- .7 ; 4.3	
042	260	1.1	18.0	+- .5 ; 2.7	14.6	+- .6 ; 3.7	
043	333	1.7	21.6	+- .6 ; 3.2	17.9	+- .7 ; 4.1	
044	50	24.	25.2	+- .8 ; 3.8	21.2	+- .8 ; 4.5	
TRANSIT DOSE =			2.3	+- .3 ; 3.0			

HARRIS  
FOR THE PERIOD 900317-900727

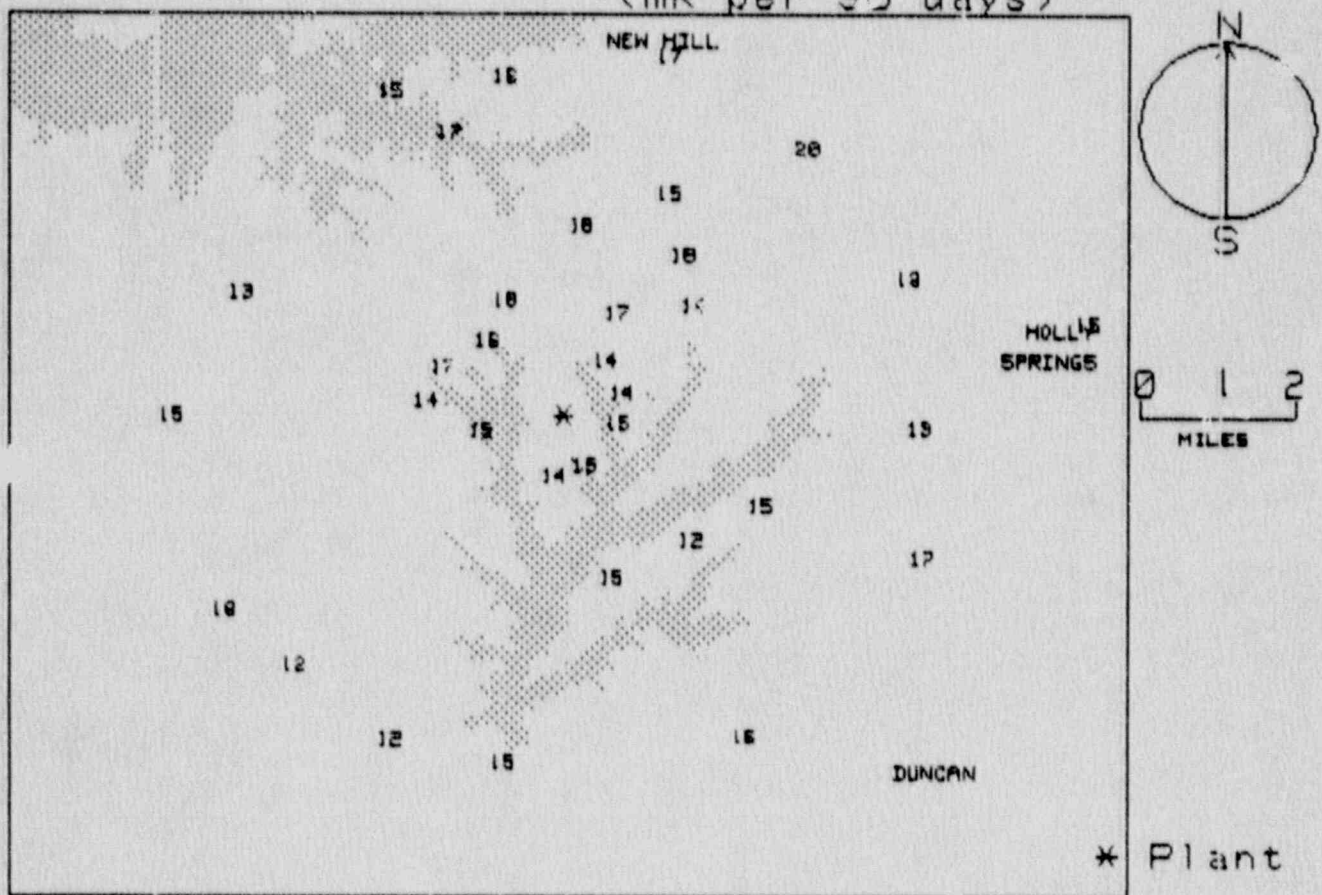
## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
348.75-11.25 (N)	16.8 $\pm$ 1.2	2
11.25-33.75 (NNE)	16.7 $\pm$ 1.1	3
33.75-56.25 (NE)	17.3 $\pm$ 2.9	6
56.25-78.75 (ENE)	13.1 $\pm$ .8	2
78.75-101.25 (E)	14.9 $\pm$ 1.1	4
101.25-123.75 (ESE)	17.3 $\pm$ 2.6	3
123.75-146.25 (SE)	12.3 $\pm$ 0.0	1
146.25-168.75 (SSE)	15.1 $\pm$ .5	3
168.75-191.25 (S)	14.4 $\pm$ 1.1	2
191.25-213.75 (SSW)	12.5 $\pm$ 0.0	1
213.75-236.25 (SW)	12.3 $\pm$ 0.0	1
236.25-258.75 (WSW)	17.8 $\pm$ 0.0	1
258.75-281.25 (W)	14.4 $\pm$ .5	3
281.25-303.75 (WNW)	15.3 $\pm$ 2.6	2
303.75-326.25 (NW)	16.1 $\pm$ 0.0	1
326.25-348.75 (NNW)	16.6 $\pm$ 1.3	3

DISTANCE (mi) FROM THE REACTOR	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
0-2	15.3 $\pm$ 1.6	11
2-5	15.2 $\pm$ 2.1	20
>5	17.3 $\pm$ 2.4	7
UPWIND CONTROL DATA	14.2 $\pm$ .6	3



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



HATCH  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 900317-900726 132 DAYS  
 FIELD TIME 97 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)		NET EXPOSURE RATE mR/Std.Qtr.	
	AZIMLTH/ (deg.)	DIST (mi.)	+ Rdm;	Tot.	+ Rdm;	Tot.
001	342	23	19.4	+- .6 ; 2.9	17.2	+- .6 ; 3.8
002	359	7.7	17.8	+- .5 ; 2.7	15.7	+- .6 ; 3.7
003	354	4.5	16.9	+- .5 ; 2.5	14.9	+- .5 ; 3.6
004	336	2.9	17.3	+- .5 ; 2.6	15.2	+- .5 ; 3.6
005	309	4.6	17.1	+- .5 ; 2.6	15.0	+- .5 ; 3.6
006	297	5.6	19.0	+- .6 ; 2.9	16.8	+- .6 ; 3.8
007	24	2.8	MISSING OR DAMAGED DOSIMETER			
008	49	2.0	16.3	+- .5 ; 2.4	14.3	+- .5 ; 3.5
009	49	10.	17.0	+- .5 ; 2.5	14.9	+- .5 ; 3.6
010	28	4.8	16.3	+- .5 ; 2.4	14.2	+- .5 ; 3.5
011	67	5.0	17.6	+- .5 ; 2.6	15.5	+- .5 ; 3.6
012	50	5.1	21.9	+- .7 ; 3.3	19.5	+- .7 ; 4.1
013	353	2.0	15.6	+- .5 ; 2.3	13.6	+- .5 ; 3.5
014	341	1.6	17.3	+- .5 ; 2.6	15.2	+- .5 ; 3.6
015	14	10	15.4	+- .5 ; 2.3	13.5	+- .5 ; 3.4
016	232	0.9	15.3	+- .5 ; 2.3	13.4	+- .5 ; 3.4
017	205	1.6	17.6	+- .5 ; 2.6	15.5	+- .5 ; 3.6
018	192	4.2	13.5	+- .4 ; 2.0	11.7	+- .5 ; 3.3
019	184	4.2	13.8	+- .4 ; 2.1	11.9	+- .5 ; 3.3
020	165	4.6	14.1	+- .4 ; 2.1	12.3	+- .5 ; 3.3
021	135	4.4	15.5	+- .5 ; 2.3	13.6	+- .5 ; 3.4
022	120	4.1	15.2	+- .5 ; 2.3	13.3	+- .5 ; 3.4
023	107	3.7	MISSING OR DAMAGED DOSIMETER			
024	12	14	15.6	+- .5 ; 2.3	13.6	+- .5 ; 3.5
025	114	12.	16.8	+- .5 ; 2.5	14.8	+- .5 ; 3.6
026	142	1.8	17.1	+- .5 ; 2.6	15.0	+- .5 ; 3.6
027	157	2.2	16.2	+- .5 ; 2.4	14.2	+- .5 ; 3.5
028	171	0.9	17.9	+- .5 ; 2.7	15.7	+- .6 ; 3.7
029	253	1.0	16.3	+- .5 ; 2.4	14.3	+- .5 ; 3.5
030	270	1.0	17.5	+- .5 ; 2.6	15.4	+- .5 ; 3.6
031	292	1.1	15.4	+- .5 ; 2.3	13.5	+- .5 ; 3.4
032	268	4.2	16.3	+- .5 ; 2.4	14.2	+- .5 ; 3.5
033	248	4.3	14.6	+- .4 ; 2.2	12.7	+- .5 ; 3.4
034	216	4.1	13.6	+- .4 ; 2.0	11.8	+- .5 ; 3.3
035	23	12	17.1	+- .5 ; 2.6	15.0	+- .5 ; 3.6
036	182	10.	18.7	+- .6 ; 2.8	16.5	+- .6 ; 3.7
037	177	10.	15.5	+- .5 ; 2.3	13.6	+- .5 ; 3.4
038	323	12.	17.7	+- .5 ; 2.7	15.6	+- .6 ; 3.6
039	321	13.	18.0	+- .5 ; 2.7	15.8	+- .6 ; 3.7
040	323	12.	18.9	+- .6 ; 2.8	16.7	+- .6 ; 3.8
TRANSIT DOSE = .9 +- .3 ; 2.9						

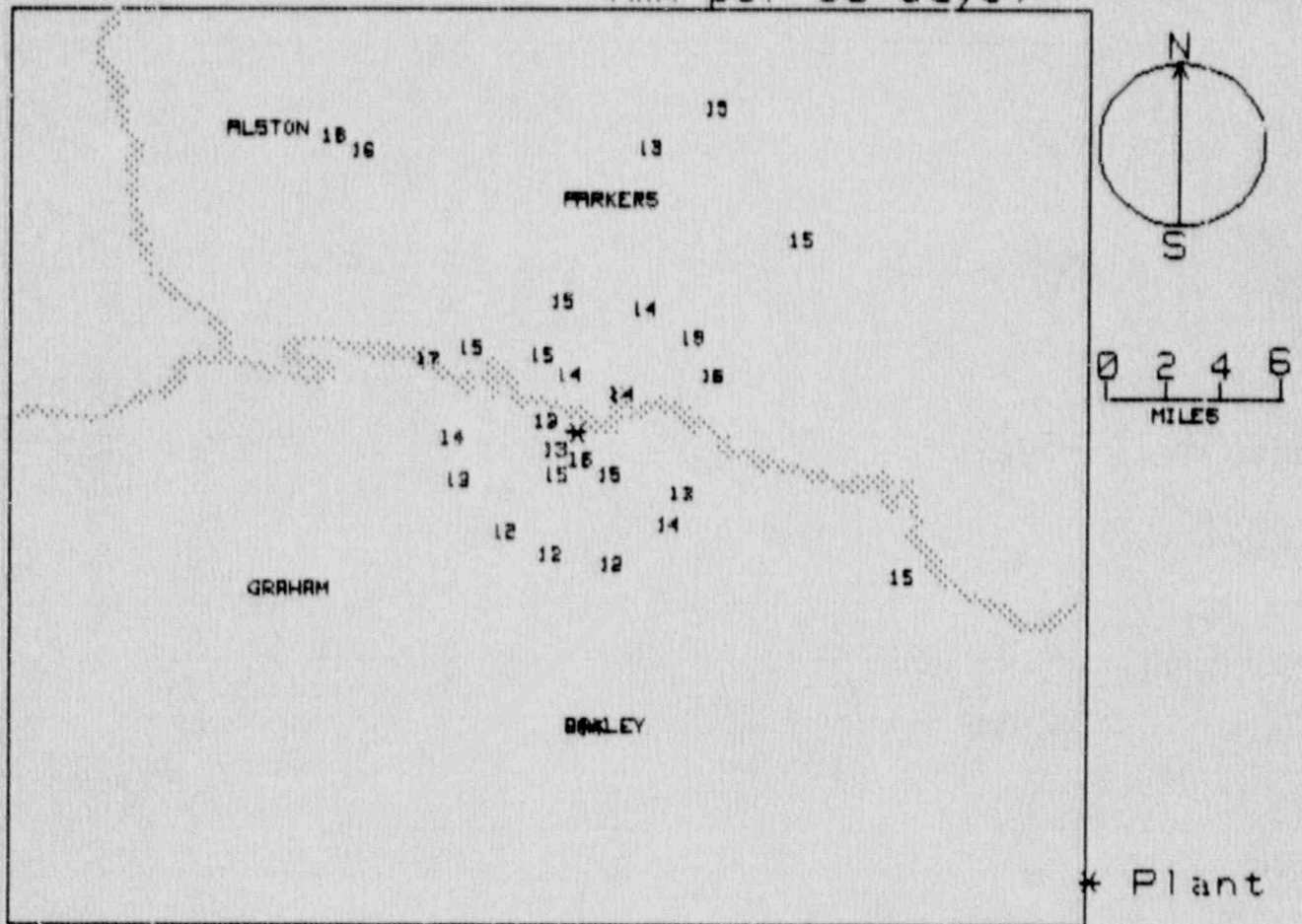
HATCH  
FOR THE PERIOD 900317-900726

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
348.75-11.25 (N)	14.7 $\pm$ 1.0	3
11.25-33.75 (NNE)	14.1 $\pm$ .7	4
33.75-56.25 (NE)	16.2 $\pm$ 2.8	3
56.25-78.75 (ENE)	15.5 $\pm$ 0.0	1
78.75-101.25 (E)	NO DATA $\pm$ NO DATA	0
101.25-123.75 (ESE)	14.0 $\pm$ 1.0	2
123.75-146.25 (SE)	14.3 $\pm$ 1.0	2
146.25-168.75 (SSE)	13.2 $\pm$ 1.4	2
168.75-191.25 (S)	14.4 $\pm$ 2.1	4
191.25-213.75 (SSW)	13.6 $\pm$ 2.7	2
213.75-236.25 (SW)	12.6 $\pm$ 1.1	2
236.25-258.75 (WSW)	13.5 $\pm$ 1.1	2
258.75-281.25 (W)	14.0 $\pm$ .8	2
281.25-303.75 (WNW)	15.1 $\pm$ 2.4	2
303.75-326.25 (NW)	15.0 $\pm$ 0.0	1
326.25-348.75 (NNW)	15.9 $\pm$ 1.1	3

DISTANCE (mi) FROM THE REACTOR	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
0-2	14.6 $\pm$ .9	10
2-5	13.6 $\pm$ 1.3	14
>5	15.5 $\pm$ 1.8	11
UPWIND CONTROL DATA	16.0 $\pm$ .6	3

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



INDIAN POINT  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 900318-900724 129 DAYS  
 FIELD TIME 94 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	MISSING OR DAMAGED DOSIMETER			
002	53	1	18.6	+ - .6 ; 2.8	13.9	+ - .6 ; 4.0
003	61	1.5	19.0	+ - .6 ; 2.8	14.2	+ - .6 ; 4.0
004	89	1.2	20.0	+ - .6 ; 3.0	15.2	+ - .7 ; 4.1
005	107	.9	19.7	+ - .6 ; 2.9	14.9	+ - .7 ; 4.1
006	90	.5	18.7	+ - .6 ; 2.8	13.9	+ - .6 ; 4.0
007	133	.8	18.5	+ - .6 ; 2.8	13.8	+ - .6 ; 4.0
008	158	.8	19.5	+ - .6 ; 2.9	14.7	+ - .7 ; 4.0
009	188	1.2	19.6	+ - .6 ; 2.9	14.8	+ - .7 ; 4.1
010	206	.9	18.9	+ - .6 ; 2.8	14.2	+ - .6 ; 4.0
011	170	1.1	17.3	+ - .5 ; 2.6	12.6	+ - .6 ; 3.8
012	155	2.3	19.4	+ - .6 ; 2.9	14.6	+ - .7 ; 4.0
013	136	3.2	18.8	+ - .6 ; 2.8	14.0	+ - .6 ; 4.0
014	107	3.1	18.6	+ - .6 ; 2.8	13.9	+ - .6 ; 4.0
015	94	3.8	19.1	+ - .6 ; 2.9	14.3	+ - .6 ; 4.0
016	142	5.7	20.1	+ - .6 ; 3.0	15.3	+ - .7 ; 4.1
018	147	9.1	21.0	+ - .6 ; 3.1	16.1	+ - .7 ; 4.2
019	137	12.	18.3	+ - .5 ; 2.7	13.6	+ - .6 ; 3.9
020	129	12.	19.4	+ - .6 ; 2.9	14.6	+ - .7 ; 4.0
022	74	7.5	18.8	+ - .6 ; 2.8	14.1	+ - .6 ; 4.0
023	92	5	21.1	+ - .6 ; 3.2	16.2	+ - .7 ; 4.2
024	92	5	20.7	+ - .6 ; 3.1	15.9	+ - .7 ; 4.2
025	65	4.1	18.9	+ - .6 ; 2.8	14.1	+ - .6 ; 4.0
026	40	4	21.4	+ - .6 ; 3.2	16.6	+ - .7 ; 4.2
027	25	5.3	20.6	+ - .6 ; 3.1	15.8	+ - .7 ; 4.2
028	24	2.9	18.7	+ - .6 ; 2.8	14.0	+ - .6 ; 4.0
029	22	2.1	19.2	+ - .6 ; 2.9	14.5	+ - .6 ; 4.0
030	8	1.9	21.3	+ - .6 ; 3.2	16.4	+ - .7 ; 4.2
031	356	5	MISSING OR DAMAGED DOSIMETER			
032	330	3.7	20.5	+ - .6 ; 3.1	15.7	+ - .7 ; 4.1
033	338	4.7	20.0	+ - .6 ; 3.0	15.2	+ - .7 ; 4.1
034	354	7	23.2	+ - .7 ; 3.5	18.3	+ - .7 ; 4.4
035	297	4.4	19.9	+ - .6 ; 3.0	15.1	+ - .7 ; 4.1
036	309	3.6	20.1	+ - .6 ; 3.0	15.3	+ - .7 ; 4.1
037	350	1.1	MISSING OR DAMAGED DOSIMETER			
038	337	.9	19.9	+ - .6 ; 3.0	15.1	+ - .7 ; 4.1
039	315	1	17.6	+ - .5 ; 2.6	12.9	+ - .6 ; 3.9
040	294	1.1	MISSING OR DAMAGED DOSIMETER			
041	274	1.1	22.6	+ - .7 ; 3.4	17.7	+ - .7 ; 4.4
042	248	1.5	20.1	+ - .6 ; 3.0	15.3	+ - .7 ; 4.1
044	92	5	20.1	+ - .6 ; 3.0	15.3	+ - .7 ; 4.1
045	227	2.4	18.3	+ - .5 ; 2.7	13.6	+ - .6 ; 3.9
046	209	3.2	19.0	+ - .6 ; 2.9	14.3	+ - .6 ; 4.0
047	218	5.3	19.5	+ - .6 ; 2.9	14.7	+ - .7 ; 4.0
048	201	4.6	19.9	+ - .6 ; 3.0	15.1	+ - .7 ; 4.1
049	187	5.2	18.1	+ - .5 ; 2.7	13.4	+ - .6 ; 3.9
050	171	7.1	17.7	+ - .5 ; 2.6	13.0	+ - .6 ; 3.9
TRANSIT DOSE =			4.1	+ - .4 ; 3.1		

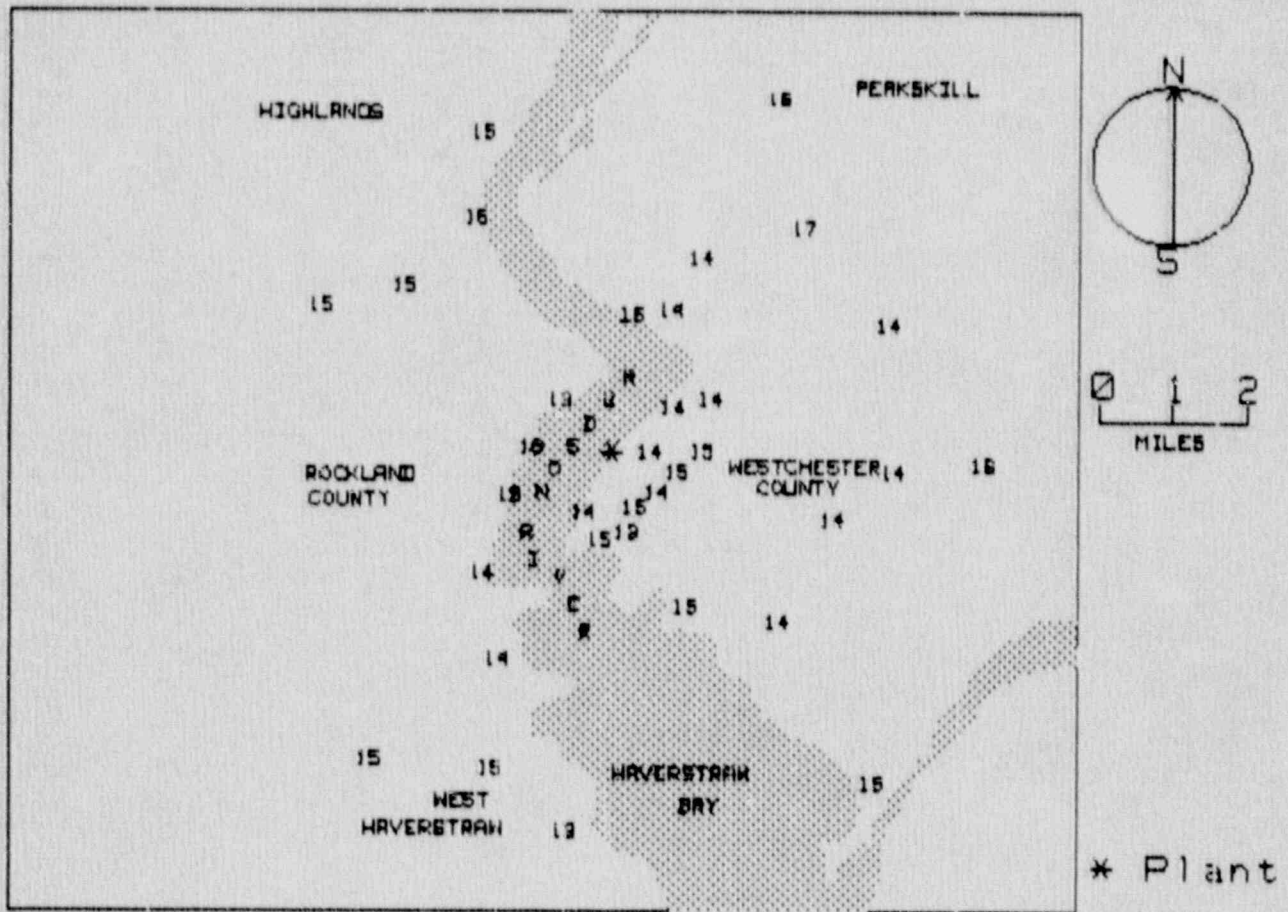
INDIAN POINT  
FOR THE PERIOD 900318-900724

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	# IN GROUP
248.75-11.25 (N)	17.4 $\pm$ 1.3	2
11.25-33.75 (NNE)	14.7 $\pm$ .8	3
33.75-56.25 (NE)	15.2 $\pm$ 1.9	2
56.25-78.75 (ENE)	14.1 $\pm$ .1	3
78.75-101.25 (E)	14.7 $\pm$ .7	4
101.25-123.75 (ESE)	14.4 $\pm$ .7	2
123.75-146.25 (SE)	14.3 $\pm$ .7	5
146.25-168.75 (SSE)	15.1 $\pm$ .9	3
168.75-191.25 (S)	13.5 $\pm$ .9	4
191.25-213.75 (SSW)	14.5 $\pm$ .5	3
213.75-236.25 (SW)	14.1 $\pm$ .8	2
236.25-258.75 (WSW)	15.3 $\pm$ 0.0	1
258.75-281.25 (W)	17.7 $\pm$ 0.0	1
281.25-303.75 (WNW)	15.1 $\pm$ 0.0	1
303.75-326.25 (NW)	14.1 $\pm$ 1.7	2
326.25-348.75 (NNW)	15.3 $\pm$ .3	3

DISTANCE(mi) FROM THE REACTOR	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	# IN GROUP
0-2	14.7 $\pm$ 1.3	15
2-5	14.7 $\pm$ .8	16
>5	14.8 $\pm$ 1.6	10
UPWIND CONTROL DATA	16.0 $\pm$ .3	2

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



KEWAUNEE/PT. BEACH  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 900316-900731 138 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	189	8.1	19.1	+-	.6 ; 2.9	12.6	+-	.8 ; 4.9
002	195	7.0	20.4	+-	.6 ; 3.1	14.1	+-	.9 ; 5.0
003	163	4.9	20.1	+-	.6 ; 3.0	13.7	+-	.9 ; 5.0
004	183	3.3	21.5	+-	.6 ; 3.2	15.3	+-	.9 ; 5.1
005	210	3.2	16.9	+-	.5 ; 2.5	9.9	+-	.8 ; 4.6
006	223	3.7	22.1	+-	.7 ; 3.3	16.1	+-	.9 ; 5.2
007	242	5.7	20.0	+-	.6 ; 3.0	13.6	+-	.9 ; 5.0
008	202	1.8	23.7	+-	.7 ; 3.6	17.9	+-	1.0 ; 5.4
009	180	1.8	23.0	+-	.7 ; 3.4	17.1	+-	1.0 ; 5.3
010	158	1.9	19.0	+-	.6 ; 2.9	12.5	+-	.8 ; 4.8
011	235	1.2	23.7	+-	.7 ; 3.6	17.9	+-	1.0 ; 5.4
012	258	1.4	20.9	+-	.6 ; 3.1	14.6	+-	.9 ; 5.1
013	273	1.4	21.6	+-	.6 ; 3.2	15.4	+-	.9 ; 5.2
014	290	0.9	23.6	+-	.7 ; 3.5	17.8	+-	1.0 ; 5.4
015	333	0.8	MISSING OR DAMAGED DOSIMETER					
016	342	1.9	19.1	+-	.6 ; 2.9	12.6	+-	.8 ; 4.9
017	317	2.0	19.7	+-	.6 ; 3.0	13.3	+-	.9 ; 4.9
018	310	3.4	24.0	+-	.7 ; 3.6	18.3	+-	1.0 ; 5.5
019	293	4.0	20.5	+-	.6 ; 3.1	14.2	+-	.9 ; 5.0
020	273	4.0	20.0	+-	.6 ; 3.0	13.6	+-	.9 ; 5.0
021	300	5.6	20.5	+-	.6 ; 3.1	14.1	+-	.9 ; 5.0
022	316	5.9	21.9	+-	.7 ; 3.3	15.8	+-	.9 ; 5.2
023	345	2.7	22.7	+-	.7 ; 3.4	16.7	+-	.9 ; 5.3
024	219	1.3	20.8	+-	.6 ; 3.1	14.6	+-	.9 ; 5.1
025	247	1.4	22.9	+-	.7 ; 3.4	17.0	+-	1.0 ; 5.3
026	263	1.3	23.4	+-	.7 ; 3.5	17.6	+-	1.0 ; 5.4
027	290	1.4	22.6	+-	.7 ; 3.4	16.7	+-	.9 ; 5.3
028	320	1.3	21.9	+-	.7 ; 3.3	15.8	+-	.9 ; 5.2
029	342	1.1	20.1	+-	.6 ; 3.0	13.7	+-	.9 ; 5.0
030	329	0.6	23.0	+-	.7 ; 3.5	17.1	+-	1.0 ; 5.3
031	13	1.0	20.7	+-	.6 ; 3.1	14.4	+-	.9 ; 5.0
032	353	2.1	22.2	+-	.7 ; 3.3	16.1	+-	.9 ; 5.2
033	301	3.9	19.6	+-	.6 ; 2.9	13.1	+-	.9 ; 4.9
034	299	8.4	22.8	+-	.7 ; 3.4	16.9	+-	1.0 ; 5.3
035	323	3.8	20.3	+-	.6 ; 3.0	14.0	+-	.9 ; 5.0
036	336	3.3	22.2	+-	.7 ; 3.3	16.1	+-	.9 ; 5.2
037	6	3.1	20.7	+-	.6 ; 3.1	14.4	+-	.9 ; 5.0
038	14	3.7	20.9	+-	.6 ; 3.1	14.6	+-	.9 ; 5.1
039	13	7.6	19.0	+-	.6 ; 2.9	12.5	+-	.8 ; 4.8
040	247	4.3	26.3	+-	.8 ; 3.9	21.0	+-	1.1 ; 5.8
041	8	23.	17.9	+-	.5 ; 2.7	11.1	+-	.8 ; 4.7
042	8	23.	19.6	+-	.6 ; 2.9	13.2	+-	.9 ; 4.9
043	8	23.	19.0	+-	.6 ; 2.9	12.5	+-	.8 ; 4.8
TRANSIT DOSE =			8.3	+-	.4 ; 3.0			



KEWAUNEE/PT. BEACH  
FOR THE PERIOD 900316-900731

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	♦ IN GROUP
348.75-11.25 (N)	15.3 $\pm$ 1.2	2
11.25-33.75 (NNE)	13.8 $\pm$ 1.2	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)	13.1 $\pm$ .8	2
168.75-191.25 (S)	15.0 $\pm$ 2.3	3
191.25-213.75 (SSW)	14.0 $\pm$ 4.0	3
213.75-236.25 (SW)	16.2 $\pm$ 1.7	3
236.25-258.75 (WSW)	16.5 $\pm$ 3.3	4
258.75-281.25 (W)	15.5 $\pm$ 2.0	3
281.25-303.75 (WNW)	15.5 $\pm$ 1.9	6
303.75-326.25 (NW)	15.4 $\pm$ 2.0	5
326.25-348.75 (NNW)	15.2 $\pm$ 2.0	5

DISTANCE(mi) FROM THE REACTOR	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	♦ IN GROUP
0-2	15.6 $\pm$ 1.9	17
2-5	15.1 $\pm$ 2.5	15
>5	14.2 $\pm$ 1.6	7
UPWIND CONTROL DATA	12.2 $\pm$ 1.0	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 900316-900731 138 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	5	20.	18.6 +- .6	; 2.8	11.9 +- .8	; 4.5
002	5	20.	20.2 +- .6	; 3.0	13.6 +- .8	; 4.3
003	3	20.	21.0 +- .6	; 3.1	14.4 +- .8	; 4.7
004	343	3.8	MISSING OR DAMAGED DOSIMETER			
005	313	3.8	22.4 +- .7	; 3.4	16.0 +- .9	; 4.9
006	291	3.0	21.2 +- .6	; 3.2	14.7 +- .8	; 4.8
007	261	4.8	21.9 +- .7	; 3.3	15.4 +- .8	; 4.8
008	249	3.2	20.6 +- .6	; 3.1	14.1 +- .8	; 4.7
009	214	5.0	MISSING OR DAMAGED DOSIMETER			
010	171	9.8	19.6 +- .6	; 2.9	13.0 +- .8	; 4.6
011	176	5.1	19.8 +- .6	; 3.0	13.2 +- .8	; 4.6
012	165	4.9	22.2 +- .7	; 3.3	15.8 +- .9	; 4.9
013	138	3.5	23.3 +- .7	; 3.5	16.9 +- .9	; 5.0
014	114	4.2	19.9 +- .6	; 3.0	13.3 +- .8	; 4.6
015	97	3.9	20.4 +- .6	; 3.1	13.9 +- .8	; 4.7
016	94	3.0	22.9 +- .7	; 3.4	16.5 +- .9	; 5.0
017	105	2.0	22.1 +- .7	; 3.3	15.7 +- .8	; 4.9
018	52	1.5	19.7 +- .6	; 2.9	13.1 +- .8	; 4.6
019	16	1.5	20.7 +- .6	; 3.1	14.2 +- .8	; 4.7
020	1	1.0	19.7 +- .6	; 2.9	13.1 +- .8	; 4.6
021	358	0.5	22.7 +- .7	; 3.4	16.3 +- .9	; 4.9
022	180	0.6	21.5 +- .6	; 3.2	15.0 +- .8	; 4.8
023	134	1.7	21.5 +- .7	; 3.4	16.1 +- .9	; 4.9
024	58	0.6	24.3 +- .7	; 3.6	18.0 +- .9	; 5.1
025	59	3.1	24.2 +- .7	; 3.6	17.9 +- .9	; 5.1
026	16	1.5	21.8 +- .7	; 3.3	15.4 +- .8	; 4.8
027	26	5.1	21.2 +- .6	; 3.2	14.7 +- .8	; 4.8
028	25	7.0	18.8 +- .6	; 2.8	12.1 +- .8	; 4.5
029	4	4.8	MISSING OR DAMAGED DOSIMETER			
TRANSIT DOSE =			7.5 +- .4	; 3.1		

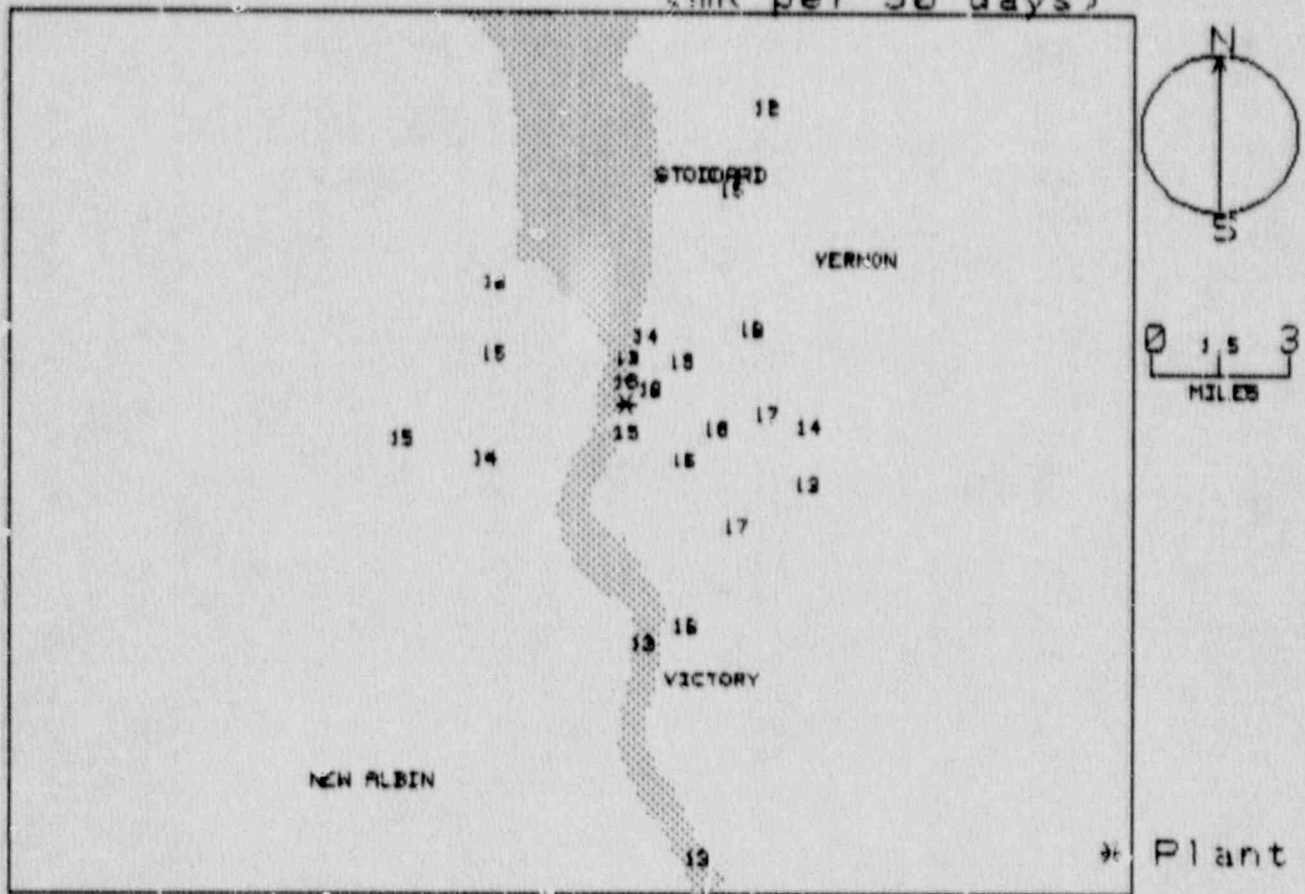
LACROSSE  
FOR THE PERIOD 900316-900731

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
848.75-11.25 (N)	14.7 $\pm$ 2.3	2
11.25-33.75 (NNE)	14.1 $\pm$ 1.4	4
33.75-56.25 (NE)	13.1 $\pm$ 0.0	1
56.25-78.75 (ENE)	18.0 $\pm$ .1	2
78.75-101.25 (E)	15.2 $\pm$ 1.9	2
101.25-123.75 (ESE)	14.5 $\pm$ 1.7	2
123.75-146.25 (SE)	16.5 $\pm$ .8	2
146.25-168.75 (SSE)	15.8 $\pm$ 0.0	1
168.75-191.25 (S)	13.7 $\pm$ 1.1	3
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)	14.1 $\pm$ 0.0	1
258.75-281.25 (W)	15.4 $\pm$ 0.0	1
281.25-303.75 (WNW)	14.7 $\pm$ 0.0	1
303.75-326.25 (NW)	16.0 $\pm$ 0.0	1
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	15.2 $\pm$ 1.6	9
2-5	15.4 $\pm$ 1.5	10
>5	13.2 $\pm$ 1.1	4
UPWIND CONTROL DATA	13.3 $\pm$ 1.3	3

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



LA SALLE  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 900312-900731 142 DAYS  
 FIELD TIME 94 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE(mR)		NET EXPOSURE RATE	
	AZIMUTH (deg.)	DIST (mi.)	+ Rdn	Tot.	mR/Std. Qtr. + Rdn	Tot.
001	302	10.	22.4	+- .7 ; 3.4	16.7	+- .7 ; 4.4
002	335	4.8	25.0	+- .7 ; 3.7	19.2	+- .8 ; 4.7
003	343	5.8	20.5	+- .6 ; 3.1	14.9	+- .7 ; 4.2
004	38	5.5	26.2	+- .8 ; 3.9	20.3	+- .8 ; 4.8
005	39	4.3	18.9	+- .6 ; 2.8	13.4	+- .7 ; 4.0
006	27	3.8	22.0	+- .7 ; 3.3	16.3	+- .7 ; 4.4
007	355	4.1	23.7	+- .7 ; 3.6	18.0	+- .8 ; 4.5
008	304	4.6	MISSING OR DAMAGED DOSIMETER			
009	292	3.9	22.8	+- .7 ; 3.4	17.1	+- .7 ; 4.4
010	276	3.7	25.7	+- .8 ; 3.9	19.9	+- .8 ; 4.8
011	248	4.0	22.7	+- .7 ; 3.4	17.0	+- .7 ; 4.4
012	222	12.	22.6	+- .7 ; 3.4	16.9	+- .7 ; 4.4
013	212	18.	23.4	+- .7 ; 3.5	17.6	+- .8 ; 4.5
014	212	18.	22.5	+- .7 ; 3.4	16.8	+- .7 ; 4.4
015	212	18.	23.7	+- .7 ; 3.5	17.9	+- .8 ; 4.5
016	215	4.4	25.6	+- .8 ; 3.8	19.7	+- .8 ; 4.7
017	204	4.0	24.0	+- .7 ; 3.6	18.2	+- .8 ; 4.6
018	173	4.6	24.0	+- .7 ; 3.6	18.2	+- .8 ; 4.6
019	174	6.4	21.5	+- .6 ; 3.2	15.9	+- .7 ; 4.3
020	158	4.9	22.8	+- .7 ; 3.4	17.1	+- .7 ; 4.4
021	125	4.2	MISSING OR DAMAGED DOSIMETER			
022	114	3.8	23.0	+- .7 ; 3.5	17.3	+- .8 ; 4.5
023	97	4.5	22.9	+- .7 ; 3.4	17.1	+- .8 ; 4.4
024	72	4.7	25.1	+- .8 ; 3.8	19.3	+- .8 ; 4.7
025	41	2.0	23.7	+- .7 ; 3.6	18.0	+- .8 ; 4.5
026	13	1.6	23.4	+- .7 ; 3.5	17.6	+- .8 ; 4.5
027	358	1.5	23.8	+- .7 ; 3.6	18.1	+- .8 ; 4.5
028	336	1.6	22.4	+- .7 ; 3.4	16.7	+- .7 ; 4.4
029	310	2.3	22.3	+- .7 ; 3.3	16.6	+- .7 ; 4.4
030	301	2.0	26.8	+- .8 ; 4.0	20.9	+- .9 ; 4.9
031	271	1.7	23.2	+- .7 ; 3.5	17.4	+- .8 ; 4.5
032	251	1.8	23.5	+- .7 ; 3.5	17.8	+- .8 ; 4.5
033	227	2.4	25.7	+- .8 ; 3.8	19.8	+- .8 ; 4.8
034	204	1.7	23.1	+- .7 ; 3.5	17.1	+- .8 ; 4.5
035	171	1.6	26.9	+- .8 ; 4.0	21.0	+- .9 ; 4.9
036	153	1.8	23.8	+- .7 ; 3.6	18.1	+- .8 ; 4.5
037	139	2.1	23.2	+- .7 ; 3.5	17.5	+- .8 ; 4.5
038	111	1.5	21.5	+- .6 ; 3.2	15.9	+- .7 ; 4.3
039	271	0.6	23.8	+- .7 ; 3.6	18.1	+- .8 ; 4.5
TRANSIT DOSE *			4.9	+- .4 ; 3.1		

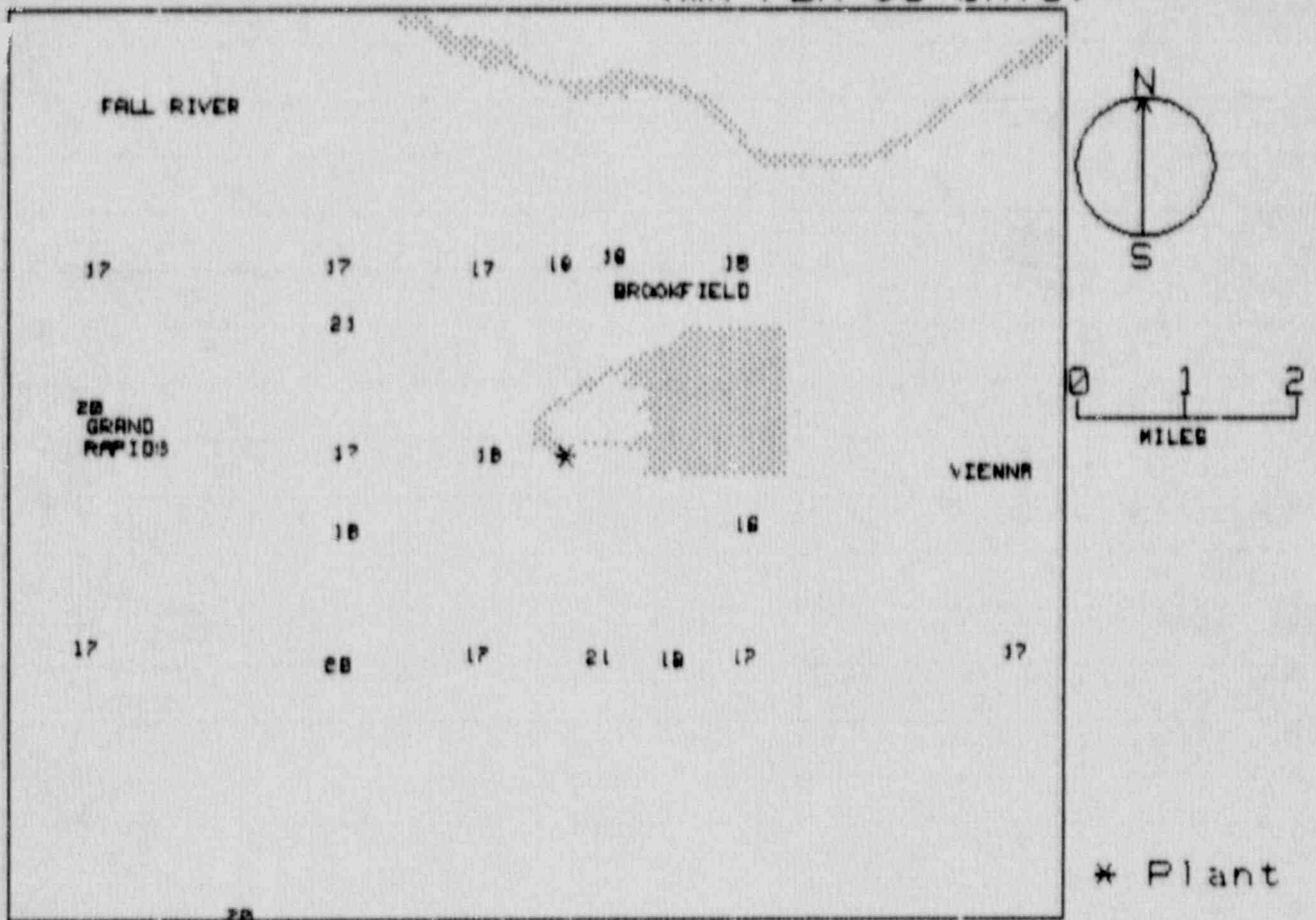
LA SALLE  
FOR THE PERIOD 900312-900731

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	# IN GROUP
348.75-11.25 (N)	18.0 $\pm$ .1	2
11.25-33.75 (NNE)	17.0 $\pm$ .8	2
33.75-56.25 (NE)	17.2 $\pm$ 3.5	3
56.25-78.75 (ENE)	19.3 $\pm$ 0.0	1
78.75-101.25 (E)	17.1 $\pm$ 0.0	1
101.25-123.75 (ESE)	16.8 $\pm$ 1.0	2
123.75-146.25 (SE)	17.5 $\pm$ 0.0	1
146.25-168.75 (SSE)	17.6 $\pm$ .7	2
168.75-191.25 (S)	18.3 $\pm$ 2.6	3
191.25-213.75 (SSW)	17.8 $\pm$ .6	2
213.75-236.25 (SW)	18.8 $\pm$ 1.7	3
236.25-258.75 (WSW)	17.4 $\pm$ .5	2
258.75-281.25 (W)	18.5 $\pm$ 1.3	3
281.25-303.75 (WNW)	18.2 $\pm$ 2.3	3
303.75-326.25 (NW)	16.6 $\pm$ 0.0	1
326.25-348.75 (NNW)	16.8 $\pm$ 2.1	3

DISTANCE (mi) FROM THE REACTOR	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	# IN GROUP
0-2	18.1 $\pm$ 1.5	12
2-5	17.7 $\pm$ 1.6	17
>5	16.8 $\pm$ 2.0	5
UPWIND CONTROL DATA	17.4 $\pm$ .6	3

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





LIMERICK  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 900314-920725 134 DAYS  
 FIELD TIME 90 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)			NET EXPOSURE RATE		
	AZIMUTH (deg.)	DIST (mi.)	+ Rdm	Tot.		mR/Std. Qtr. + Rdm	Tot.	
001	12	9.	26.0	+- .8	3.9	22.4	+- .8	4.9
003	88	3.7	22.4	+- .7	3.4	18.9	+- .7	4.4
004	52	3.2	23.2	+- .7	3.5	19.6	+- .8	4.5
005	23	3.5	22.4	+- .7	3.4	18.9	+- .7	4.4
006	8	4.6	24.0	+- .7	3.6	20.5	+- .8	4.6
007	340	7.1	22.1	+- .7	3.3	18.6	+- .7	4.4
008	330	3.6	23.3	+- .7	3.5	19.7	+- .8	4.5
009	313	3.3	22.3	+- .7	3.3	18.7	+- .7	4.4
010	291	4.8	25.2	+- .8	3.8	21.7	+- .8	4.8
011	303	2.9	28.6	+- .9	4.3	25.0	+- .9	5.2
012	314	1.6	21.8	+- .7	3.3	18.3	+- .7	4.4
013	352	1.7	23.7	+- .7	3.5	20.1	+- .8	4.6
014	339	1.3	20.2	+- .6	3.0	16.7	+- .7	4.2
015	47	1.8	21.4	+- .6	3.2	17.9	+- .7	4.3
016	71	2.7	MISSING OR DAMAGED DOSIMETER					
017	17	.4	23.1	+- .7	3.5	19.6	+- .8	4.5
018	286	.5	23.7	+- .7	3.5	20.1	+- .8	4.6
019	276	.6	21.5	+- .6	3.2	17.9	+- .7	4.3
020	245	.9	21.0	+- .6	3.1	17.4	+- .7	4.3
021	224	1	21.7	+- .6	3.2	18.1	+- .7	4.4
022	202	1.2	23.3	+- .7	3.5	19.7	+- .8	4.5
023	172	1.6	20.7	+- .6	3.1	17.2	+- .7	4.2
024	150	1.7	21.7	+- .6	3.2	18.1	+- .7	4.4
025	132	1.2	23.4	+- .7	3.5	19.8	+- .8	4.5
026	120	1.2	23.0	+- .7	3.4	19.4	+- .8	4.5
027	160	1	21.9	+- .7	3.3	18.3	+- .7	4.4
028	91	1	22.2	+- .7	3.3	18.6	+- .7	4.4
029	67	.7	22.8	+- .7	3.4	19.3	+- .8	4.5
030	146	3.4	26.1	+- .8	3.9	22.6	+- .8	4.9
031	158	2.8	22.3	+- .7	3.3	18.8	+- .7	4.4
032	152	7.4	21.7	+- .6	3.2	18.1	+- .7	4.4
033	184	4.3	21.6	+- .6	3.2	18.1	+- .7	4.3
034	201	3.9	19.8	+- .6	3.0	16.3	+- .7	4.1
035	225	5.1	22.5	+- .7	3.4	19.0	+- .8	4.4
036	245	4.2	22.4	+- .7	3.4	18.8	+- .7	4.4
037	266	3.9	20.0	+- .6	3.0	16.4	+- .7	4.2
038	290	15	23.8	+- .7	3.6	20.3	+- .8	4.6
039	290	15	24.4	+- .7	3.7	20.8	+- .8	4.7
040	290	15	24.3	+- .7	3.6	20.8	+- .8	4.7
041	128	3	19.6	+- .6	2.9	16.0	+- .7	4.1
042	111	4.4	22.9	+- .7	3.4	19.3	+- .8	4.5
TRANSIT DOSE =			3.5	+- .3	2.9			

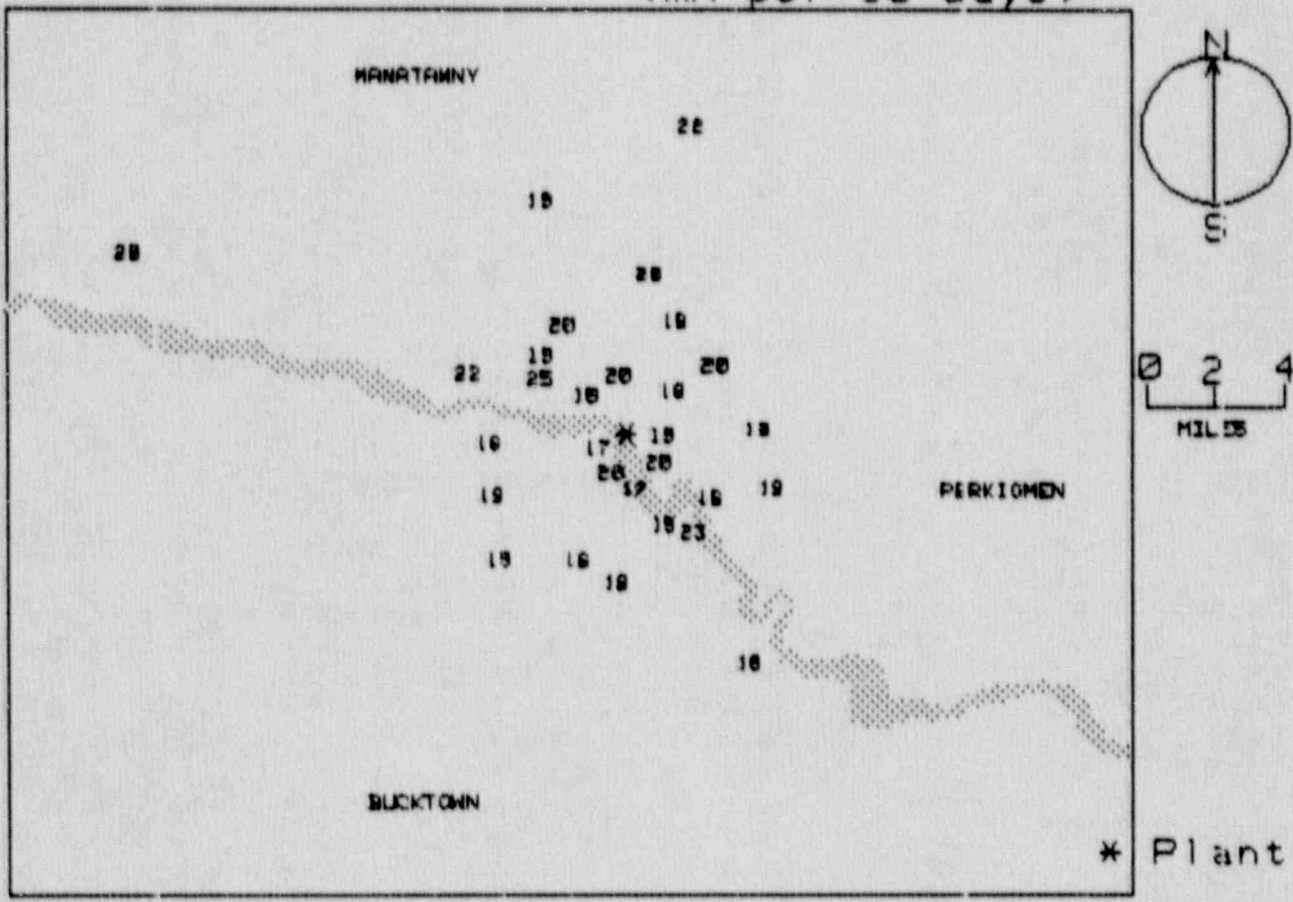
LIMERICK  
FOR THE PERIOD 900314-900725

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	◆ IN GROUP
348.75-11.25 (N)	20.3 $\pm$ .2	2
11.25-33.75 (NNE)	20.3 $\pm$ 1.9	3
33.75-56.25 (NE)	18.8 $\pm$ 1.2	2
56.25-78.75 (ENE)	19.3 $\pm$ 0.0	1
78.75-101.25 (E)	18.8 $\pm$ .2	2
101.25-123.75 (ESE)	19.4 $\pm$ .1	2
123.75-146.25 (SE)	19.5 $\pm$ 3.3	3
146.25-168.75 (SSE)	18.3 $\pm$ .3	4
168.75-191.25 (S)	17.6 $\pm$ .6	2
191.25-213.75 (SSW)	18.0 $\pm$ 2.4	2
213.75-236.25 (SW)	18.6 $\pm$ .6	2
236.25-258.75 (WSW)	18.1 $\pm$ 1.0	2
258.75-281.25 (W)	17.2 $\pm$ 1.1	2
281.25-303.75 (WNW)	22.3 $\pm$ 2.5	3
303.75-326.25 (NW)	18.5 $\pm$ .3	2
326.25-348.75 (NNW)	18.3 $\pm$ 1.5	3

DISTANCE(mi) FROM THE REACTOR	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	◆ IN GROUP
0-2	18.6 $\pm$ 1.1	17
2-5	19.3 $\pm$ 2.3	16
>5	19.5 $\pm$ 2.0	4
UPWIND CONTROL DATA	20.6 $\pm$ .3	3

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



MAINE YANKEE  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 900318-900724 129 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	340	1.	22.4	+-	.7 ; 3.4	17.9	+-	.7 ; 4.4
002	6	1.4	21.0	+-	.6 ; 3.1	16.5	+-	.7 ; 4.3
003	23	1.5	20.6	+-	.6 ; 3.1	16.1	+-	.7 ; 4.2
004	44	1.8	19.1	+-	.6 ; 2.9	14.6	+-	.7 ; 4.1
005	116	.5	19.9	+-	.6 ; 3.0	15.4	+-	.7 ; 4.1
006	168	1	21.7	+-	.6 ; 3.2	17.2	+-	.7 ; 4.3
007	185	1.6	20.1	+-	.6 ; 3.0	15.6	+-	.7 ; 4.2
008	195	2.3	20.6	+-	.6 ; 3.1	16.1	+-	.7 ; 4.2
009	209	3.8	20.9	+-	.6 ; 3.1	16.4	+-	.7 ; 4.2
010	310	1.7	20.9	+-	.6 ; 3.1	16.4	+-	.7 ; 4.2
011	290	1.8	24.7	+-	.7 ; 3.7	20.1	+-	.8 ; 4.7
012	275	1.7	22.9	+-	.7 ; 3.4	18.4	+-	.8 ; 4.5
013	256	1.9	20.7	+-	.6 ; 3.1	16.2	+-	.7 ; 4.2
014	232	2.5	22.5	+-	.7 ; 3.4	17.9	+-	.7 ; 4.4
015	227	5.3	21.8	+-	.7 ; 3.3	17.3	+-	.7 ; 4.3
016	246	4.4	23.6	+-	.7 ; 3.5	19.1	+-	.8 ; 4.5
017	250	6.6	26.4	+-	.8 ; 4.0	21.8	+-	.8 ; 4.9
018	268	4.7	22.3	+-	.7 ; 3.3	17.7	+-	.7 ; 4.4
019	283	4.4	22.5	+-	.7 ; 3.4	18.0	+-	.7 ; 4.4
020	305	4.7	21.4	+-	.6 ; 3.2	16.9	+-	.7 ; 4.3
021	300	2.9	MISSING OR DAMAGED DOSIMETER					
022	332	2.7	MISSING OR DAMAGED DOSIMETER					
023	20	3.9	23.6	+-	.7 ; 3.5	19.0	+-	.8 ; 4.5
024	23	3	23.1	+-	.7 ; 3.5	18.5	+-	.8 ; 4.5
025	42	4.7	23.5	+-	.7 ; 3.5	19.0	+-	.8 ; 4.5
026	60	15	21.7	+-	.6 ; 3.2	17.2	+-	.7 ; 4.3
027	62	16.	18.8	+-	.6 ; 2.8	14.3	+-	.6 ; 4.0
028	63	16.	21.2	+-	.6 ; 3.2	16.7	+-	.7 ; 4.3
029	64	2.1	22.4	+-	.7 ; 3.4	17.8	+-	.7 ; 4.4
030	84	1.5	20.1	+-	.6 ; 3.0	15.6	+-	.7 ; 4.2
031	115	1.6	18.3	+-	.5 ; 2.7	13.9	+-	.6 ; 4.0
032	135	2	18.4	+-	.6 ; 2.8	14.0	+-	.6 ; 4.0
033	66	3.5	21.2	+-	.6 ; 3.2	16.7	+-	.7 ; 4.3
034	97	4.9	22.4	+-	.7 ; 3.4	17.8	+-	.7 ; 4.4
035	123	4.8	22.4	+-	.7 ; 3.4	17.9	+-	.7 ; 4.4
036	140	4.9	19.4	+-	.6 ; 2.9	14.9	+-	.7 ; 4.1
037	151	6	21.4	+-	.6 ; 3.2	16.9	+-	.7 ; 4.3
038	152	4.2	23.4	+-	.7 ; 3.5	18.8	+-	.8 ; 4.5
039	172	4.9	20.9	+-	.6 ; 3.1	16.4	+-	.7 ; 4.2
040	156	7.4	24.3	+-	.7 ; 3.6	19.8	+-	.8 ; 4.6
TRANSIT DOSE =			4.1	+-	.4 ; 3.0			

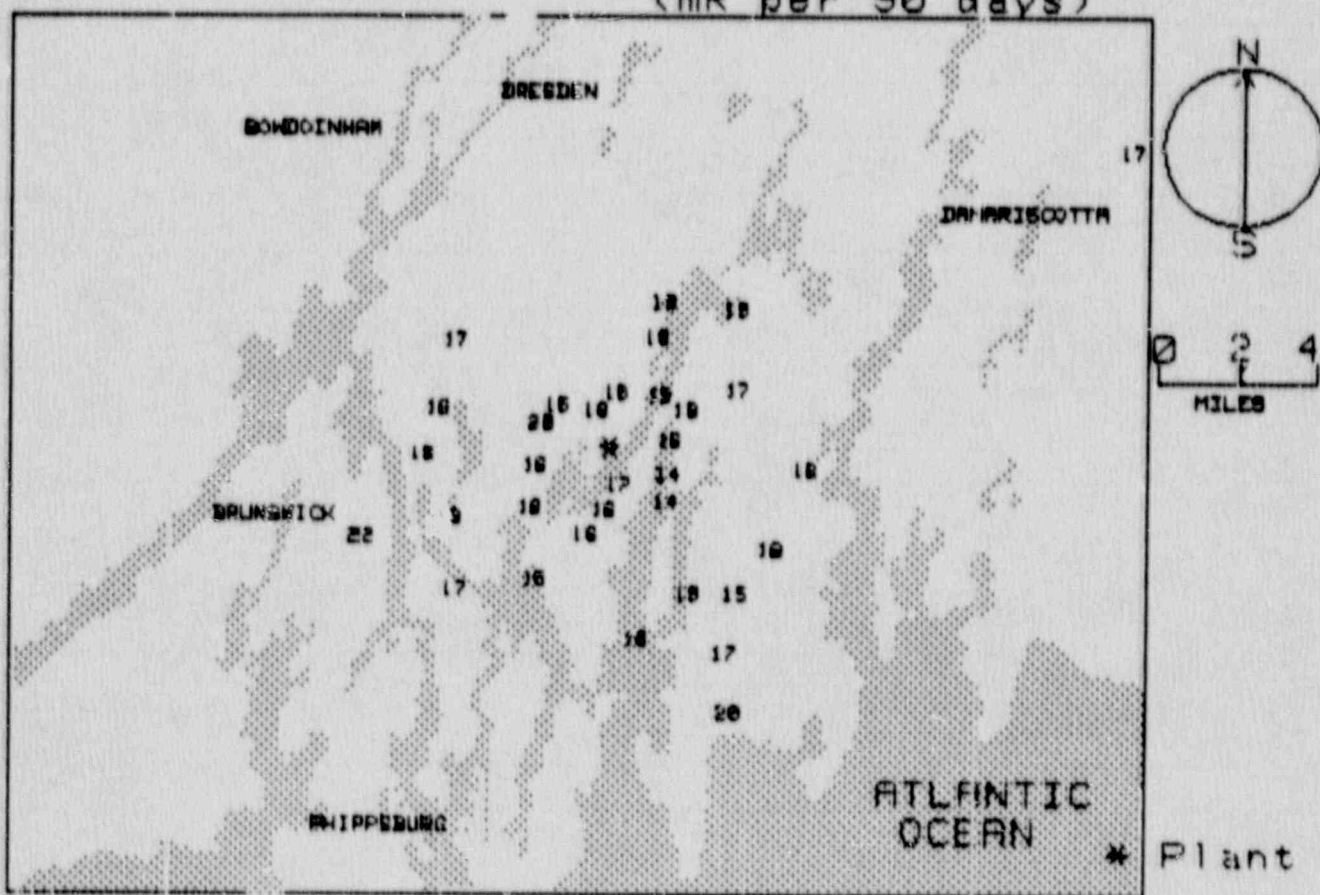
MAINE YANKEE  
FOR THE PERIOD 900318-900724

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
348.75-11.25 (N)	16.5 $\pm$ 0.0	1
11.25-33.75 (NNE)	17.8 $\pm$ 1.5	3
33.75-56.25 (NE)	16.8 $\pm$ 3.1	2
56.25-78.75 (ENE)	17.3 $\pm$ .8	2
78.75-101.25 (E)	16.7 $\pm$ 1.6	2
101.25-123.75 (ESE)	15.7 $\pm$ 2.0	3
123.75-146.25 (SE)	14.4 $\pm$ .7	2
146.25-168.75 (SSE)	18.2 $\pm$ 1.4	4
168.75-191.25 (S)	16.0 $\pm$ .6	2
191.25-213.75 (SSW)	16.3 $\pm$ .2	2
213.75-236.25 (SW)	17.6 $\pm$ .5	2
236.25-258.75 (WSW)	19.0 $\pm$ 2.8	3
258.75-281.25 (W)	18.1 $\pm$ .4	2
281.25-303.75 (WNW)	19.1 $\pm$ 1.5	2
303.75-326.25 (NW)	16.8 $\pm$ .4	2
326.25-348.75 (NNW)	17.9 $\pm$ 0.0	1

DISTANCE (mi) FROM THE REACTOR	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
0-2	16.9 $\pm$ 1.7	14
2-5	17.6 $\pm$ 1.2	17
>5	18.8 $\pm$ 2.3	4
UPWIND CONTROL DATA	16.1 $\pm$ 1.5	3

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



MC GUIRE  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 900317-900727 133 DAYS  
 FIELD TIME 90 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE(mR)			NET EXPOSURE RATE mR/Std.Qtr.		
	AZIMLTH (deg.)	DIST (mi.)	+ -	Rdm	Tot.	+ -	Rdm	Tot.
001	97	0.5	21.3	+-	.6 ; 3.2	14.3	+-	.7 ; 4.2
002	323	1.6	24.2	+-	.7 ; 3.6	16.9	+-	.8 ; 4.5
003	336	1.7	24.2	+-	.7 ; 3.6	16.9	+-	.8 ; 4.5
004	303	2.9	21.9	+-	.7 ; 3.3	14.0	+-	.7 ; 4.3
005	321	3.9	23.0	+-	.7 ; 3.4	15.0	+-	.7 ; 4.4
006	334	3.7	22.5	+-	.7 ; 3.4	15.3	+-	.7 ; 4.3
007	352	3.5	20.0	+-	.6 ; 3.0	13.1	+-	.7 ; 4.1
008	287	2.0	21.0	+-	.6 ; 3.1	13.9	+-	.7 ; 4.2
009	273	1.9	18.7	+-	.6 ; 2.8	11.8	+-	.6 ; 4.0
010	244	1.7	19.0	+-	.6 ; 3.0	12.8	+-	.7 ; 4.1
011	225	2.1	20.2	+-	.6 ; 3.0	13.2	+-	.7 ; 4.1
012	212	3.6	20.9	+-	.6 ; 3.1	13.9	+-	.7 ; 4.2
013	232	4.4	28.7	+-	.9 ; 4.3	21.0	+-	.9 ; 5.0
014	253	3.7	24.2	+-	.7 ; 3.6	16.9	+-	.8 ; 4.5
015	261	4.2	22.0	+-	.7 ; 3.3	14.9	+-	.7 ; 4.3
016	288	4.3	20.5	+-	.9 ; 4.3	20.9	+-	.9 ; 5.0
017	288	17	26.4	+-	.8 ; 4.0	18.9	+-	.8 ; 4.7
018	287	2.0	25.4	+-	.8 ; 3.8	18.0	+-	.8 ; 4.6
019	286	17	27.6	+-	.8 ; 4.1	20.0	+-	.8 ; 4.9
020	233	18.	26.4	+-	.8 ; 4.0	19.0	+-	.8 ; 4.7
021	204	10.	23.0	+-	.7 ; 3.5	15.8	+-	.7 ; 4.4
022	239	9.5	MISSING OR DAMAGED DOSIMETER					
023	115	4.9	18.7	+-	.6 ; 2.8	11.9	+-	.6 ; 4.0
024	132	4.9	19.2	+-	.6 ; 2.9	12.3	+-	.7 ; 4.0
025	156	4.0	16.8	+-	.5 ; 2.5	10.1	+-	.6 ; 3.8
026	175	3.7	19.4	+-	.6 ; 2.9	12.5	+-	.7 ; 4.1
027	198	4.3	27.1	+-	.8 ; 4.1	19.5	+-	.8 ; 4.8
028	169	13	20.4	+-	.6 ; 3.1	13.4	+-	.7 ; 4.2
029	155	13.	MISSING OR DAMAGED DOSIMETER					
030	146	14.	20.3	+-	.6 ; 3.0	13.3	+-	.7 ; 4.1
031	143	1.9	MISSING OR DAMAGED DOSIMETER					
032	155	1.3	19.8	+-	.6 ; 3.0	12.9	+-	.7 ; 4.1
033	178	1.6	17.3	+-	.5 ; 2.6	10.6	+-	.6 ; 3.9
034	109	2.0	20.2	+-	.6 ; 3.0	13.3	+-	.7 ; 4.1
035	93	2.2	19.2	+-	.6 ; 2.9	12.3	+-	.7 ; 4.0
036	68	2.5	22.1	+-	.7 ; 3.3	15.0	+-	.7 ; 4.3
037	82	4.7	20.9	+-	.6 ; 3.1	13.9	+-	.7 ; 4.2
038	64	4.9	21.5	+-	.6 ; 3.2	14.5	+-	.7 ; 4.3
039	42	5.0	24.6	+-	.7 ; 3.7	17.3	+-	.8 ; 4.6
040	26	4.3	19.0	+-	.6 ; 2.9	12.2	+-	.6 ; 4.0
041	42	2.0	18.3	+-	.5 ; 2.7	11.5	+-	.6 ; 4.0
042	21	1.6	20.5	+-	.6 ; 3.1	13.5	+-	.7 ; 4.2
043	8	2.6	24.5	+-	.7 ; 3.7	17.2	+-	.8 ; 4.6
044	37	13.	27.2	+-	.8 ; 4.1	19.7	+-	.8 ; 4.8
0-	78	19	29.2	+-	.9 ; 4.4	21.5	+-	.9 ; 5.0
04-	94	19	25.0	+-	.8 ; 3.9	18.1	+-	.8 ; 4.7
TRE	USE	5.0	+-	.4 ; 3.3				

MCGUIRE  
FOR THE PERIOD 900317-900727

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	◆ IN GROUP
348.75-11.25 (N)	15.1 $\pm$ 2.9	2
11.25-33.75 (NNE)	12.8 $\pm$ 1.8	2
33.75-56.25 (NE)	16.1 $\pm$ 4.2	3
56.25-78.75 (ENE)	17.8 $\pm$ 3.9	3
78.75-101.25 (E)	14.7 $\pm$ 2.6	4
101.25-123.75 (ESE)	12.8 $\pm$ 1.8	2
123.75-146.25 (SE)	12.8 $\pm$ .7	2
146.25-168.75 (SSE)	11.5 $\pm$ 2.8	2
168.75-191.25 (S)	12.2 $\pm$ 1.5	3
191.25-213.75 (SSW)	16.4 $\pm$ 2.9	3
213.75-236.25 (SW)	17.7 $\pm$ 4.8	3
236.25-258.75 (WSW)	14.9 $\pm$ 2.9	2
258.75-281.25 (W)	13.3 $\pm$ 2.1	2
281.25-303.75 (WNW)	16.5 $\pm$ 3.8	3
303.75-326.25 (NW)	16.4 $\pm$ .8	2
326.25-348.75 (NNW)	16.1 $\pm$ 1.1	2

DISTANCE(mi) FROM THE REACTOR	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	◆ IN GROUP
0-2	13.5 $\pm$ 2.8	11
2-5	14.9 $\pm$ 2.9	22
>5	17.3 $\pm$ 3.2	7
UPWIND CONTROL DATA	19.8 $\pm$ 1.8	3



MAP FOR MCGUIRE

Map will be provided for this site in the future.

MILLSTONE  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 900317-900724 130 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	0	1	23.9	+-	.7 ; 3.6	19.8	+-	.8 ; 4.6
002	24	1.3	19.4	+-	.6 ; 2.9	15.3	+-	.7 ; 4.1
003	47	1.5	23.7	+-	.7 ; 3.5	19.5	+-	.8 ; 4.5
004	60	1.7	20.7	+-	.6 ; 3.1	16.6	+-	.7 ; 4.2
005	85	1.3	23.3	+-	.7 ; 3.5	19.2	+-	.8 ; 4.5
006	110	1.8	22.1	+-	.7 ; 3.3	18.0	+-	.7 ; 4.4
007	67	5.3	23.9	+-	.7 ; 3.6	19.7	+-	.8 ; 4.5
008	49	5.3	23.9	+-	.7 ; 3.6	19.7	+-	.8 ; 4.5
009	84	5.2	22.7	+-	.7 ; 3.4	18.6	+-	.7 ; 4.4
011	232	2.5	21.8	+-	.7 ; 3.3	17.6	+-	.7 ; 4.3
012	256	2.4	23.5	+-	.7 ; 3.5	19.3	+-	.8 ; 4.5
013	274	2.2	23.9	+-	.7 ; 3.6	19.7	+-	.8 ; 4.5
014	295	1.9	24.4	+-	.7 ; 3.7	20.2	+-	.8 ; 4.6
015	315	1.5	19.7	+-	.6 ; 3.0	15.6	+-	.7 ; 4.1
016	339	1.2	23.9	+-	.7 ; 3.6	19.8	+-	.8 ; 4.6
017	353	3.5	21.7	+-	.7 ; 3.3	17.6	+-	.7 ; 4.3
018	24	3.5	24.6	+-	.7 ; 3.7	20.4	+-	.8 ; 4.6
019	33	3	24.0	+-	.7 ; 3.6	19.8	+-	.8 ; 4.6
020	82	4	21.4	+-	.6 ; 3.2	17.3	+-	.7 ; 4.3
022	59	3.7	24.8	+-	.7 ; 3.7	20.6	+-	.8 ; 4.7
028	257	5.8	22.1	+-	.7 ; 3.3	18.0	+-	.7 ; 4.4
029	272	3.7	25.0	+-	.7 ; 3.7	20.8	+-	.8 ; 4.7
030	295	3.5	25.8	+-	.8 ; 3.9	21.6	+-	.8 ; 4.8
031	317	3.6	21.9	+-	.7 ; 3.3	17.7	+-	.7 ; 4.3
032	327	4.3	22.9	+-	.7 ; 3.4	18.7	+-	.7 ; 4.4
033	41	4.7	23.1	+-	.7 ; 3.5	18.9	+-	.8 ; 4.5
034	54	5.5	23.6	+-	.7 ; 3.5	19.4	+-	.8 ; 4.5
037	354	6.8	22.6	+-	.7 ; 3.4	18.4	+-	.7 ; 4.4
039	1	5.7	23.5	+-	.7 ; 3.5	19.4	+-	.8 ; 4.5
040	278	8.7	20.9	+-	.6 ; 3.1	16.8	+-	.7 ; 4.2
041	34	11.	27.0	+-	.8 ; 4.1	22.8	+-	.9 ; 4.9
042	84	8	23.4	+-	.7 ; 3.5	19.3	+-	.8 ; 4.5
046	41	.6	21.7	+-	.6 ; 3.2	17.6	+-	.7 ; 4.3
048	4	40	29.7	+-	.9 ; 4.4	25.4	+-	.9 ; 5.2
049	4	40	30.4	+-	.9 ; 4.5	26.1	+-	1.0 ; 5.3

TRANSIT DOSE = 3.7 +- .3 ; 3.0

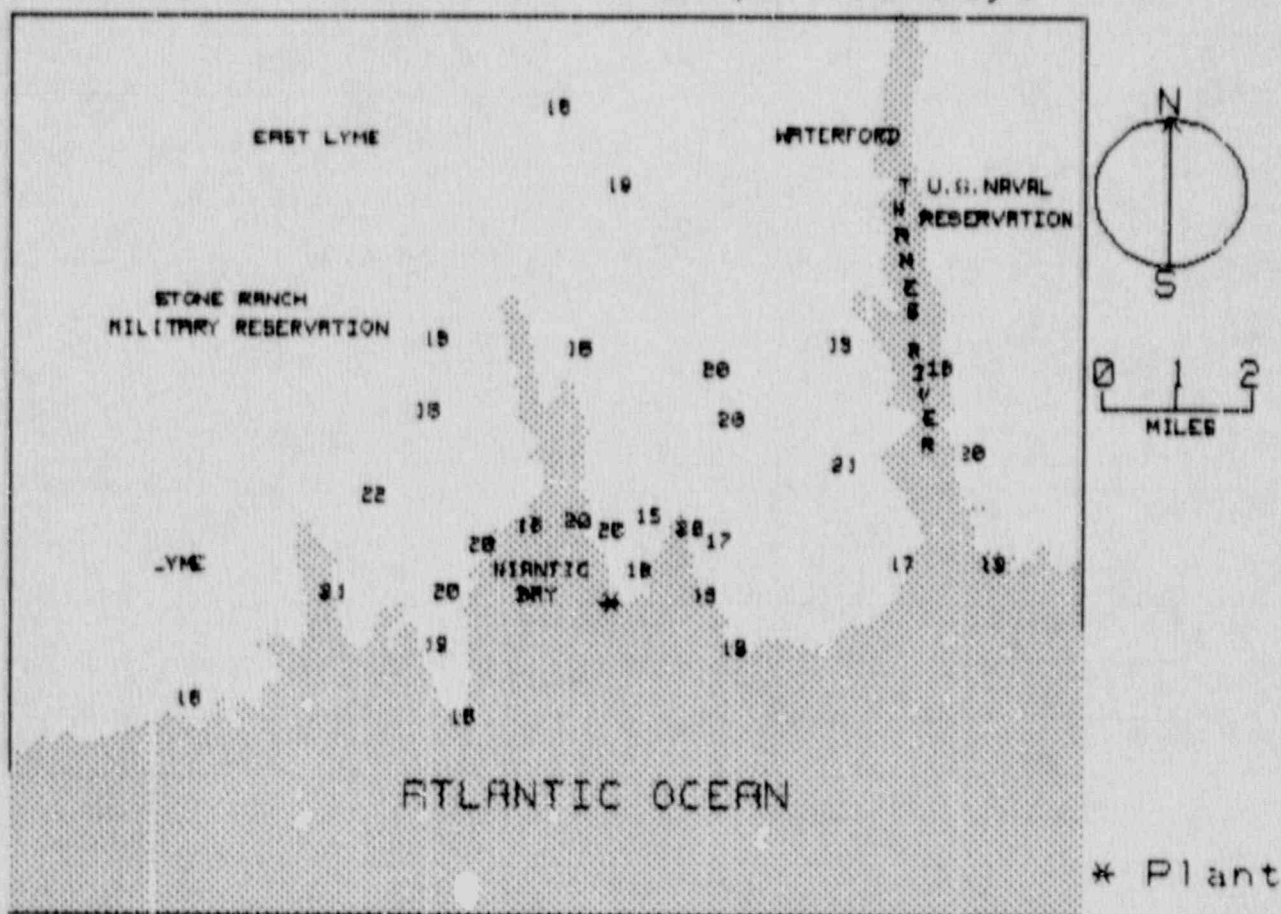
MILLSTONE  
FOR THE PERIOD 900317-900724

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
348.75-11.25 (N)	18.8 $\pm$ 1.0	4
11.25-33.75 (NNE)	18.5 $\pm$ 2.8	3
33.75-56.25 (NE)	19.8 $\pm$ 1.7	6
56.25-78.75 (ENE)	19.0 $\pm$ 2.1	3
78.75-101.25 (E)	18.8 $\pm$ .9	4
101.25-123.75 (ESE)	18.0 $\pm$ 0.0	1
123.75-146.25 (SE)	NO DATA $\pm$ NO DATA	0
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)	17.6 $\pm$ 0.0	1
236.25-258.75 (WSW)	18.7 $\pm$ .9	2
258.75-281.25 (W)	19.1 $\pm$ 2.1	3
281.25-303.75 (WNW)	20.9 $\pm$ .9	2
303.75-326.25 (NW)	16.7 $\pm$ 1.5	2
326.25-348.75 (NNW)	19.2 $\pm$ .7	2

DISTANCE (mi) FROM THE REACTOR	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
0-2	18.2 $\pm$ 1.8	10
2-5	19.2 $\pm$ 1.4	13
>5	19.2 $\pm$ 1.6	10
UPWIND CONTROL DATA	25.7 $\pm$ .5	2

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



MONTICELLO  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 900316-900807 145 DAYS  
 FIELD TIME 113 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)			NET EXPOSURE RATE mR/Std. Qtr.		
	AZIMUTH (deg.)	DIST (mi.)	+-	Rdm	Tot.	+-	Rdm	Tot.
001	133	3.6	23.0	+-	.7 ; 3.5	16.3	+-	.6 ; 3.9
002	163	4.6	25.2	+-	.8 ; 3.8	18.8	+-	.7 ; 4.1
003	183	4.1	26.3	+-	.8 ; 3.9	18.9	+-	.7 ; 4.2
004	206	4.3	26.3	+-	.8 ; 3.9	18.9	+-	.7 ; 4.2
005	230	4.2	29.0	+-	.9 ; 4.3	21.0	+-	.7 ; 4.4
006	253	4.6	25.8	+-	.8 ; 3.9	18.5	+-	.7 ; 4.1
007	269	4.4	25.1	+-	.8 ; 3.8	17.9	+-	.7 ; 4.1
008	286	4.0	26.3	+-	.8 ; 3.9	18.9	+-	.7 ; 4.2
009	274	1.9	24.6	+-	.7 ; 3.7	17.5	+-	.7 ; 4.0
010	244	1.3	23.8	+-	.7 ; 3.6	16.9	+-	.6 ; 4.0
011	226	0.9	26.1	+-	.8 ; 3.9	18.7	+-	.7 ; 4.2
012	181	1.8	24.9	+-	.7 ; 3.7	17.8	+-	.7 ; 4.1
013	137	1.7	24.6	+-	.7 ; 3.7	17.5	+-	.7 ; 4.0
014	155	1.0	25.2	+-	.8 ; 3.8	18.8	+-	.7 ; 4.1
015	208	0.6	24.6	+-	.7 ; 3.7	17.5	+-	.7 ; 4.0
016	284	2.0	24.8	+-	.7 ; 3.6	17.1	+-	.6 ; 4.0
017	113	1.6	25.7	+-	.8 ; 3.8	18.4	+-	.7 ; 4.1
018	85	1.1	24.3	+-	.7 ; 3.6	17.3	+-	.6 ; 4.0
019	63	1.2	25.3	+-	.8 ; 3.8	18.1	+-	.7 ; 4.1
020	37	1.7	24.5	+-	.7 ; 3.7	17.5	+-	.7 ; 4.0
021	23	0.6	24.5	+-	.7 ; 3.7	17.5	+-	.7 ; 4.0
022	354	0.7	26.8	+-	.8 ; 3.9	18.7	+-	.7 ; 4.2
023	338	0.8	24.7	+-	.7 ; 3.7	17.6	+-	.7 ; 4.0
024	307	1.8	24.7	+-	.7 ; 3.7	17.6	+-	.7 ; 4.0
025	339	4.1	25.5	+-	.8 ; 3.8	18.3	+-	.7 ; 4.1
026	328	4.6	25.1	+-	.8 ; 3.8	17.9	+-	.7 ; 4.1
027	354	4.5	25.3	+-	.8 ; 3.8	18.1	+-	.7 ; 4.1
028	17	3.7	22.9	+-	.7 ; 3.4	16.2	+-	.6 ; 3.9
029	50	4.0	23.5	+-	.7 ; 3.5	16.6	+-	.6 ; 3.9
030	77	3.6	25.8	+-	.8 ; 3.8	17.9	+-	.7 ; 4.1
031	115	3.3	23.5	+-	.7 ; 3.5	16.7	+-	.6 ; 3.9
032	98	4.6	21.4	+-	.6 ; 3.2	15.0	+-	.6 ; 3.8
033	323	16	24.4	+-	.7 ; 3.7	17.4	+-	.6 ; 4.0
034	323	16	24.9	+-	.7 ; 3.7	17.8	+-	.7 ; 4.1
035	323	16	25.8	+-	.8 ; 3.8	17.9	+-	.7 ; 4.1

TRANSIT DOSE = 2.6 +- .4 ; 3.5

MONTICELLO  
FOR THE PERIOD 900316-900807

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	# IN GROUP
348.75-11.25 (N)	18.4 $\pm$ .4	2
11.25-33.75 (NNE)	16.8 $\pm$ .8	2
33.75-56.25 (NE)	17.8 $\pm$ .8	2
56.25-78.75 (ENE)	18.8 $\pm$ .2	2
78.75-101.25 (E)	16.1 $\pm$ 1.6	2
101.25-123.75 (ESE)	17.5 $\pm$ 1.2	2
123.75-146.25 (SE)	16.8 $\pm$ .8	2
146.25-168.75 (SSE)	18.8 $\pm$ .8	2
168.75-191.25 (S)	18.3 $\pm$ .8	2
191.25-213.75 (SSW)	18.2 $\pm$ 1.8	2
213.75-236.25 (SW)	19.8 $\pm$ 1.6	2
236.25-258.75 (WSW)	17.7 $\pm$ 1.2	2
258.75-281.25 (W)	17.7 $\pm$ .3	2
281.25-303.75 (WNN)	18.8 $\pm$ 1.3	2
303.75-326.25 (NW)	17.7 $\pm$ .2	2
326.25-348.75 (NNW)	17.8 $\pm$ .5	2

DISTANCE(mi) FROM THE REACTOR	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	# IN GROUP
0-2	17.7 $\pm$ .5	18
2-5	17.8 $\pm$ 1.4	18
>5	NO DATA $\pm$ NO DATA	8
UPWIND CONTROL DATA	17.7 $\pm$ .3	3

MAP FOR MONTICELLO

Map will be provided for this site in the future.

NORTH ANNA  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 900317-900726 132 DAYS  
 FIELD TIME 92 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)		NET EXPOSURE RATE	
	AZIMUTH (deg.)	DIST (mi.)	+/- Rdm; Tot.		mR/Std. Dev.	+/- Rdm; Tot.
001	243	1.8	MISSING OR DAMAGED DOSIMETER			
002	263	1.6	22.4 +- .7	3.4	18.7 +- .7	4.4
003	296	1	MISSING OR DAMAGED DOSIMETER			
004	311	1.3	26.3 +- .8	3.9	22.5 +- .8	4.8
005	329	1.3	22.7 +- .7	3.4	19.0 +- .7	4.4
006	231	3.9	23.9 +- .7	3.6	20.1 +- .8	4.5
007	224	1.7	24.7 +- .7	3.7	20.9 +- .8	4.6
008	210	1.6	23.4 +- .7	3.5	19.7 +- .8	4.5
009	181	1.4	20.5 +- .6	3.1	16.9 +- .7	4.2
010	155	1.7	29.1 +- .9	4.4	25.3 +- .9	5.1
011	136	1.6	23.1 +- .7	3.5	19.4 +- .7	4.4
012	163	3.5	23.8 +- .7	3.6	20.0 +- .8	4.5
013	190	3.3	21.6 +- .6	3.2	17.9 +- .7	4.3
014	205	4.9	20.7 +- .6	3.1	17.1 +- .7	4.2
015	140	4.2	23.1 +- .7	3.5	19.4 +- .7	4.4
016	113	4.9	27.4 +- .8	4.1	23.6 +- .9	4.9
017	93	3.3	20.3 +- .6	3.0	16.7 +- .7	4.1
018	64	4.1	23.6 +- .7	3.6	20.0 +- .8	4.5
019	78	2.7	32.7 +- 1.0	4.9	28.0 +- 1.0	5.6
020	97	1.9	25.7 +- .8	3.9	22.0 +- .8	4.7
021	105	1.7	20.5 +- .6	3.1	16.9 +- .7	4.2
022	60	2.4	20.5 +- .6	3.1	16.9 +- .7	4.2
023	37	1.4	22.6 +- .7	3.4	18.9 +- .7	4.4
024	16	1.6	27.7 +- .8	4.2	23.9 +- .9	5.0
025	48	3.5	20.7 +- .6	3.1	17.1 +- .7	4.2
026	17	3.7	23.9 +- .7	3.6	20.2 +- .8	4.5
027	3	4.8	20.7 +- .6	3.1	17.0 +- .7	4.2
028	348	4	21.7 +- .6	3.2	18.0 +- .7	4.3
029	2	1.9	21.4 +- .6	3.2	17.7 +- .7	4.2
030	284	5	21.5 +- .6	3.2	17.8 +- .7	4.3
031	310	4.7	24.9 +- .7	3.7	21.1 +- .8	4.6
032	273	4.9	18.2 +- .5	2.7	14.6 +- .6	3.9
033	257	5.1	23.2 +- .7	3.5	19.5 +- .8	4.4
034	242	7.1	23.4 +- .7	3.5	19.7 +- .8	4.5
035	255	11.	MISSING OR DAMAGED DOSIMETER			
036	248	15.	23.0 +- .7	3.4	19.3 +- .7	4.4
037	247	17.	21.4 +- .6	3.2	17.7 +- .7	4.3
038	244	19.	21.1 +- .6	3.2	17.5 +- .7	4.2
TRANSIT DOSE = 3.3 +- .3 ; 2.9						



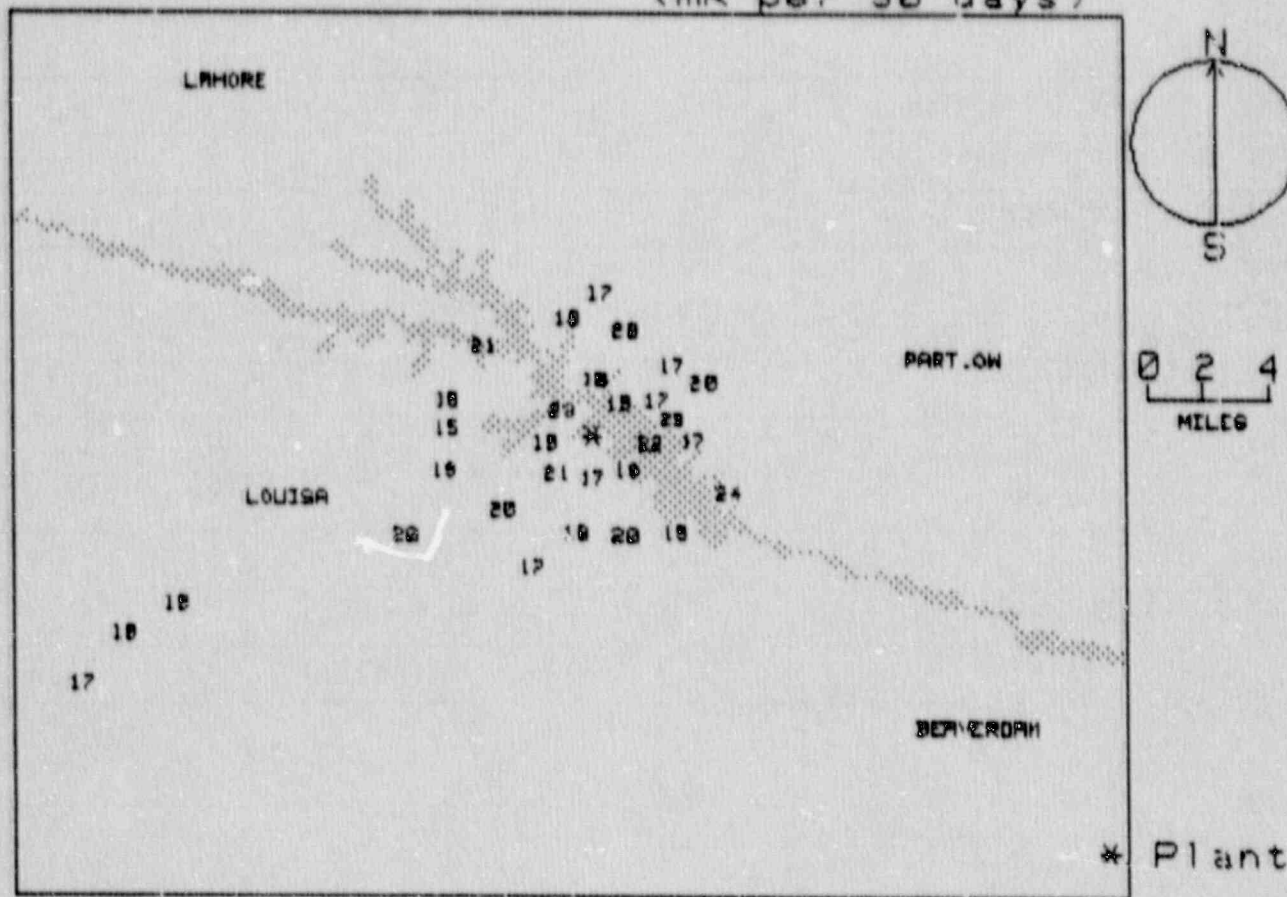
NORTH ANNA  
FOR THE PERIOD 900317-900726

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET 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)	22.1 $\pm$ 2.6	2
33.75-56.25 (NE)	18.8 $\pm$ 1.3	2
56.25-78.75 (ENE)	21.8 $\pm$ 6.2	3
78.75-101.25 (E)	19.3 $\pm$ 3.7	2
101.25-123.75 (ESE)	20.2 $\pm$ 4.8	2
123.75-146.25 (SE)	18.4 $\pm$ 8.8	2
146.25-168.75 (SSE)	22.7 $\pm$ 3.7	2
168.75-191.25 (S)	17.4 $\pm$ .7	2
191.25-213.75 (SSW)	18.4 $\pm$ 1.8	2
213.75-236.25 (SW)	20.5 $\pm$ .6	2
236.25-258.75 (WSW)	19.6 $\pm$ .2	2
258.75-281.25 (W)	16.8 $\pm$ 2.9	2
281.25-303.75 (WNW)	17.8 $\pm$ 8.8	1
303.75-326.25 (NW)	21.8 $\pm$ 1.8	2
326.25-348.75 (NNW)	18.5 $\pm$ .7	2

DISTANCE (mi) FROM THE REACTOR	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	♦ IN GROUP
0-2	20.1 $\pm$ 2.6	13
2-5	19.2 $\pm$ 3.3	17
>5	19.6 $\pm$ .2	2
UPWIND CONTROL DATA	18.2 $\pm$ 1.8	3

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



## OCONEE

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

FOR THE PERIOD 900317-900726 132 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	158	7.5	24.3	+.7 ; 3.6	NO NET DATA
002	133	4.9	30.4	+.9 ; 4.6	NO NET DATA
003	119	4.3	28.1	+.8 ; 4.2	NO NET DATA
004	84	4.7	28.0	+.8 ; 4.2	NO NET DATA
005	65	4.0	28.6	+.9 ; 4.3	NO NET DATA
006	52	1.8	28.7	+.9 ; 4.3	NO NET DATA
007	22	3.5	29.3	+.9 ; 4.4	NO NET DATA
008	33	1.4	30.1	+.9 ; 4.5	NO NET DATA
009	52	1.8	24.2	+.7 ; 3.6	NO NET DATA
010	66	1.2	23.5	+.7 ; 3.5	NO NET DATA
011	107	1.9	22.9	+.7 ; 3.4	NO NET DATA
012	87	1.0	26.3	+.8 ; 3.9	NO NET DATA
013	142	0.7	MISSING OR DAMAGED DOSIMETER		
014	166	0.7	MISSING OR DAMAGED DOSIMETER		
015	226	1.7	24.8	+.7 ; 3.7	NO NET DATA
016	207	1.4	25.3	+.8 ; 3.8	NO NET DATA
017	182	2.2	MISSING OR DAMAGED DOSIMETER		
018	186	3.8	24.2	+.7 ; 3.6	NO NET DATA
019	155	4.1	MISSING OR DAMAGED DOSIMETER		
020	203	8.4	22.6	+.7 ; 3.4	NO NET DATA
021	210	4.6	22.7	+.7 ; 3.4	NO NET DATA
022	227	4.8	23.7	+.7 ; 3.6	NO NET DATA
023	240	3.6	21.6	+.6 ; 3.2	NO NET DATA
024	260	3.6	26.6	+.8 ; 4.0	NO NET DATA
025	257	1.9	22.8	+.7 ; 3.4	NO NET DATA
026	293	3.6	25.6	+.8 ; 3.8	NO NET DATA
027	311	3.5	22.0	+.7 ; 3.3	NO NET DATA
028	288	2.0	24.1	+.7 ; 3.6	NO NET DATA
029	275	1.8	23.9	+.7 ; 3.6	NO NET DATA
030	321	1.8	26.1	+.8 ; 3.9	NO NET DATA
031	344	2.0	21.3	+.6 ; 3.2	NO NET DATA
032	336	3.7	29.6	+.9 ; 4.4	NO NET DATA
033	358	4.5	26.5	+.8 ; 4.0	NO NET DATA
034	256	9.4	30.2	+.9 ; 4.5	NO NET DATA
035	149	21.	28.1	+.8 ; 4.2	NO NET DATA
036	126	8.2	27.4	+.8 ; 4.1	NO NET DATA
037	96	9.7	27.0	+.8 ; 4.1	NO NET DATA
038	32	16.	32.6	+1.0 ; 4.9	NO NET DATA
039	31	16.	31.2	+.9 ; 4.7	NO NET DATA
040	29	16.	MISSING OR DAMAGED DOSIMETER		

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

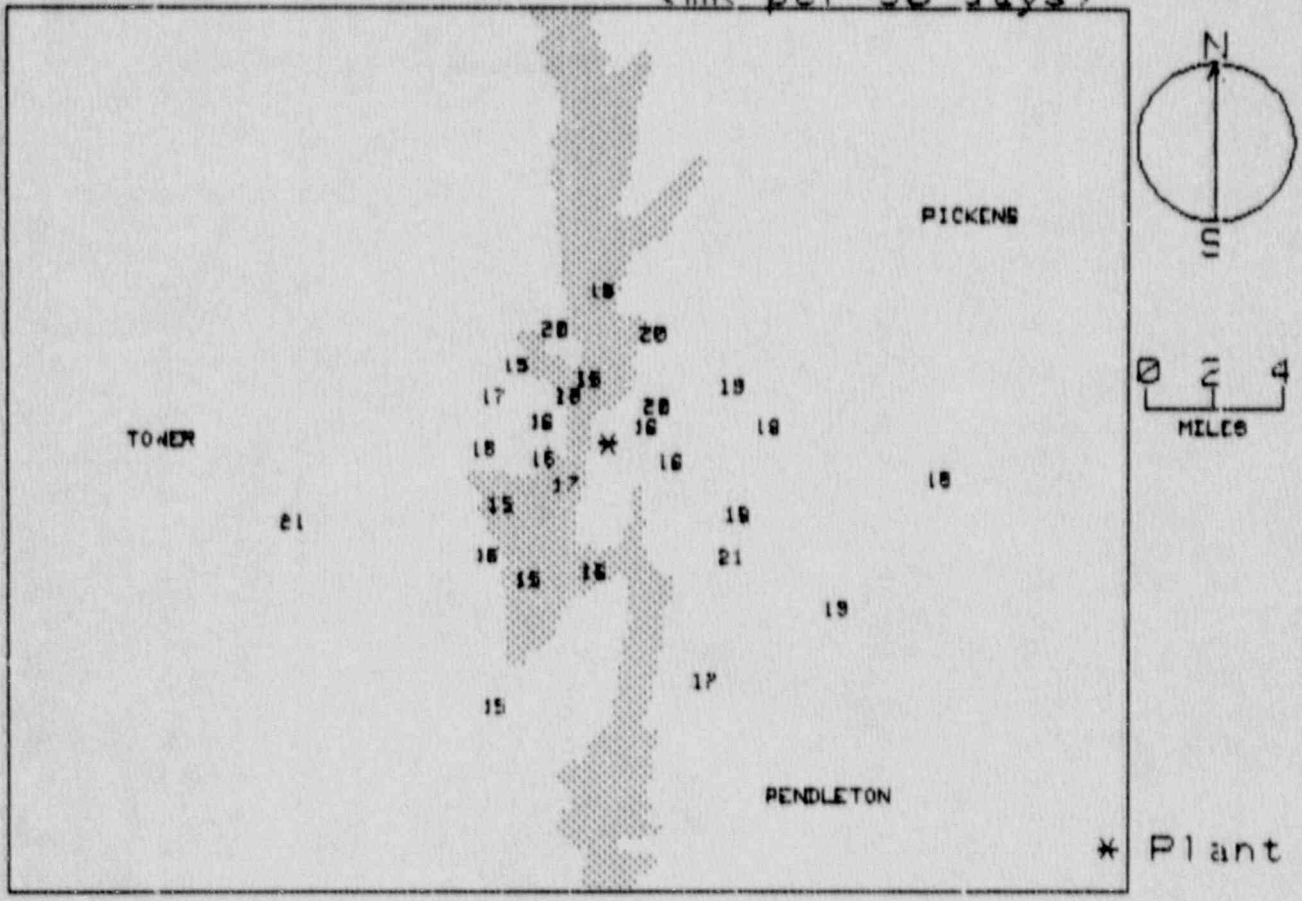
OCONEE  
FOR THE PERIOD 900317-900726

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	# IN GROUP
348.75-11.25 (N)	18.0 $\pm$ 0.0	1
11.25-33.75 (NNE)	20.2 $\pm$ .4	2
33.75-56.25 (NE)	18.0 $\pm$ 2.2	2
56.25-78.75 (ENE)	17.7 $\pm$ 2.5	2
78.75-101.25 (E)	18.5 $\pm$ .8	3
101.25-123.75 (ESE)	17.4 $\pm$ 2.5	2
123.75-146.25 (SE)	19.7 $\pm$ 1.4	2
146.25-168.75 (SSE)	17.8 $\pm$ 1.9	2
168.75-191.25 (S)	16.5 $\pm$ 0.0	1
191.25-213.75 (SSW)	16.0 $\pm$ 1.1	3
213.75-236.25 (SW)	16.5 $\pm$ .5	2
236.25-258.75 (WSW)	16.9 $\pm$ 3.2	3
258.75-281.25 (W)	17.2 $\pm$ 1.3	2
281.25-303.75 (WNW)	16.9 $\pm$ .7	2
303.75-326.25 (NW)	16.4 $\pm$ 2.0	2
326.25-348.75 (NNW)	17.3 $\pm$ 4.0	2

DISTANCE (m) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	# IN GROUP
0-2	17.0 $\pm$ 1.7	13
2-5	17.8 $\pm$ 2.0	14
>5	18.1 $\pm$ 1.9	6
UPWIND CONTROL DATA	21.7 $\pm$ .7	2

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



OYSTER CREEK  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 900318-900724 129 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	141	.5	20.0	+- .6 ; 3.0	16.0	+- .6 ; 3.9
002	120	.9	14.6	+- .4 ; 2.2	11.1	+- .5 ; 3.4
003	105	1.5	15.9	+- .5 ; 2.4	12.3	+- .5 ; 3.5
004	127	1.5	14.4	+- .4 ; 2.2	10.9	+- .5 ; 3.4
005	137	1.3	MISSING OR DAMAGED DOSIMETER			
006	158	1.2	14.5	+- .4 ; 2.2	11.0	+- .5 ; 3.4
007	176	2.2	15.4	+- .5 ; 2.3	11.8	+- .5 ; 3.5
008	179	1.6	15.8	+- .5 ; 2.4	12.2	+- .5 ; 3.5
009	159	2.8	MISSING OR DAMAGED DOSIMETER			
010	187	8.4	15.7	+- .5 ; 2.4	12.1	+- .5 ; 3.5
011	173	4.4	14.6	+- .4 ; 2.2	11.1	+- .5 ; 3.4
012	196	4.2	14.7	+- .4 ; 2.2	11.2	+- .5 ; 3.4
013	198	8.6	13.4	+- .4 ; 2.0	10.0	+- .5 ; 3.3
014	185	10.	16.2	+- .5 ; 2.4	12.5	+- .5 ; 3.6
015	171	11.	15.1	+- .5 ; 2.3	11.5	+- .5 ; 3.5
016	154	8.2	15.6	+- .5 ; 2.3	12.0	+- .5 ; 3.5
017	126	6.3	14.7	+- .4 ; 2.2	11.2	+- .5 ; 3.4
018	220	4.6	13.8	+- .4 ; 2.1	10.3	+- .5 ; 3.4
019	231	5.3	14.5	+- .4 ; 2.2	11.0	+- .5 ; 3.4
020	211	1.6	13.8	+- .4 ; 2.1	10.4	+- .5 ; 3.4
022	258	1.3	15.1	+- .5 ; 2.3	11.6	+- .5 ; 3.5
023	271	1.2	13.8	+- .4 ; 2.1	10.3	+- .5 ; 3.4
024	297	1.3	MISSING OR DAMAGED DOSIMETER			
025	318	1.5	14.8	+- .4 ; 2.2	11.2	+- .5 ; 3.4
026	341	3.2	17.1	+- .5 ; 2.6	13.4	+- .5 ; 3.6
027	338	4.6	15.1	+- .5 ; 2.3	11.5	+- .5 ; 3.5
028	358	3.2	14.5	+- .4 ; 2.2	11.0	+- .5 ; 3.4
029	4	1.8	16.2	+- .5 ; 2.4	12.6	+- .5 ; 3.6
030	19	.8	14.8	+- .4 ; 2.2	11.2	+- .5 ; 3.4
031	69	1.4	15.7	+- .5 ; 2.3	12.1	+- .5 ; 3.5
032	78	2.5	13.5	+- .4 ; 2.0	10.1	+- .5 ; 3.3
033	85	2.2	MISSING OR DAMAGED DOSIMETER			
034	38	1.7	14.7	+- .4 ; 2.2	11.2	+- .5 ; 3.4
035	24	1.9	16.8	+- .5 ; 2.5	13.1	+- .5 ; 3.6
036	50	3	16.0	+- .5 ; 2.4	12.4	+- .5 ; 3.5
037	46	4.8	14.4	+- .4 ; 2.2	10.9	+- .5 ; 3.4
038	27	4	16.3	+- .5 ; 2.4	12.6	+- .5 ; 3.6
039	12	8.9	15.5	+- .5 ; 2.3	11.9	+- .5 ; 3.5
040	18	8.7	14.4	+- .4 ; 2.2	10.9	+- .5 ; 3.4
041	3	9.9	MISSING OR DAMAGED DOSIMETER			
042	38	10.	MISSING OR DAMAGED DOSIMETER			
043	46	9.1	17.6	+- .5 ; 2.6	13.8	+- .6 ; 3.7
044	73	6.5	14.5	+- .4 ; 2.2	11.0	+- .5 ; 3.4
045	79	6	15.6	+- .5 ; 2.3	12.0	+- .5 ; 3.5
046	278	20.	16.2	+- .5 ; 2.4	12.6	+- .5 ; 3.6
047	278	20.	16.1	+- .5 ; 2.4	12.5	+- .5 ; 3.5
TRANSIT DOSE =			2.4	+- .3 ; 3.1		

OYSTER CREEK  
FOR THE PERIOD 900318-900724

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	# IN GROUP
348.75-11.25 (N)	11.5 $\pm$ .8	3
11.25-33.75 (NNE)	12.2 $\pm$ .8	4
33.75-56.25 (NE)	12.1 $\pm$ 1.3	4
56.25-78.75 (ENE)	11.8 $\pm$ 1.0	3
78.75-101.25 (E)	12.0 $\pm$ 0.0	1
101.25-123.75 (ESE)	11.7 $\pm$ .8	2
123.75-146.25 (SE)	12.7 $\pm$ 2.9	3
146.25-168.75 (SSE)	11.5 $\pm$ .7	2
168.75-191.25 (S)	11.8 $\pm$ .5	6
191.25-213.75 (SSW)	10.5 $\pm$ .6	3
213.75-236.25 (SW)	10.7 $\pm$ .5	2
236.25-258.75 (WSW)	11.6 $\pm$ 0.0	1
258.75-281.25 (W)	10.3 $\pm$ 0.0	1
281.25-303.75 (WNW)	NO DATA $\pm$ NO DATA	0
303.75-326.25 (NW)	11.2 $\pm$ 0.0	1
326.25-348.75 (NNW)	12.4 $\pm$ 1.3	2

DISTANCE(mi) FROM THE REACTOR	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	# IN GROUP
0-2	11.8 $\pm$ 1.4	15
2-5	11.5 $\pm$ 1.0	11
>5	11.7 $\pm$ 1.0	12
UPWIND CONTROL DATA	12.5 $\pm$ .1	2





PALISADES  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 900316-900731 138 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	195	4.9	19.2	+ .6 ; 2.9	13.1	+ .7 ; 4.1
002	173	4.6	19.4	+ .6 ; 2.9	13.2	+ .7 ; 4.1
003	156	3.9	21.9	+ .7 ; 3.3	15.7	+ .7 ; 4.4
004	132	4.6	21.4	+ .6 ; 3.2	15.1	+ .7 ; 4.3
005	118	3.3	21.5	+ .6 ; 3.2	15.2	+ .7 ; 4.3
006	152	1.8	28.2	+ .6 ; 3.0	14.0	+ .7 ; 4.2
007	196	2.2	19.0	+ .6 ; 2.8	12.8	+ .7 ; 4.1
008	178	1.6	19.0	+ .6 ; 2.9	12.9	+ .7 ; 4.1
009	200	0.9	21.1	+ .6 ; 3.2	14.9	+ .7 ; 4.3
010	124	1.8	17.0	+ .5 ; 2.5	10.9	+ .6 ; 3.9
011	107	1.6	21.6	+ .6 ; 3.2	15.3	+ .7 ; 4.3
012	90	1.5	MISSING OR DAMAGED DOSIMETER			
013	65	1.7	20.8	+ .6 ; 3.1	14.6	+ .7 ; 4.3
014	51	1.9	20.7	+ .6 ; 3.1	14.5	+ .7 ; 4.3
015	74	3.7	16.8	+ .5 ; 2.5	10.7	+ .6 ; 3.9
016	90	3.6	17.2	+ .5 ; 2.6	11.1	+ .6 ; 3.9
017	98	10.	20.9	+ .6 ; 3.1	14.7	+ .7 ; 4.3
018	47	4.5	22.1	+ .7 ; 3.3	15.8	+ .7 ; 4.4
019	23	1.5	MISSING OR DAMAGED DOSIMETER			
020	32	4.8	21.5	+ .6 ; 3.2	15.3	+ .7 ; 4.3
021	29	7.0	21.3	+ .6 ; 3.2	15.0	+ .7 ; 4.3
022	99	15.	21.0	+ .6 ; 3.1	14.7	+ .7 ; 4.3
023	98	18.	20.5	+ .6 ; 3.1	14.3	+ .7 ; 4.2
024	98	18.	20.1	+ .6 ; 3.0	13.9	+ .7 ; 4.2
TRANSIT DOSE =			5.5	+ .4 ; 3.2		

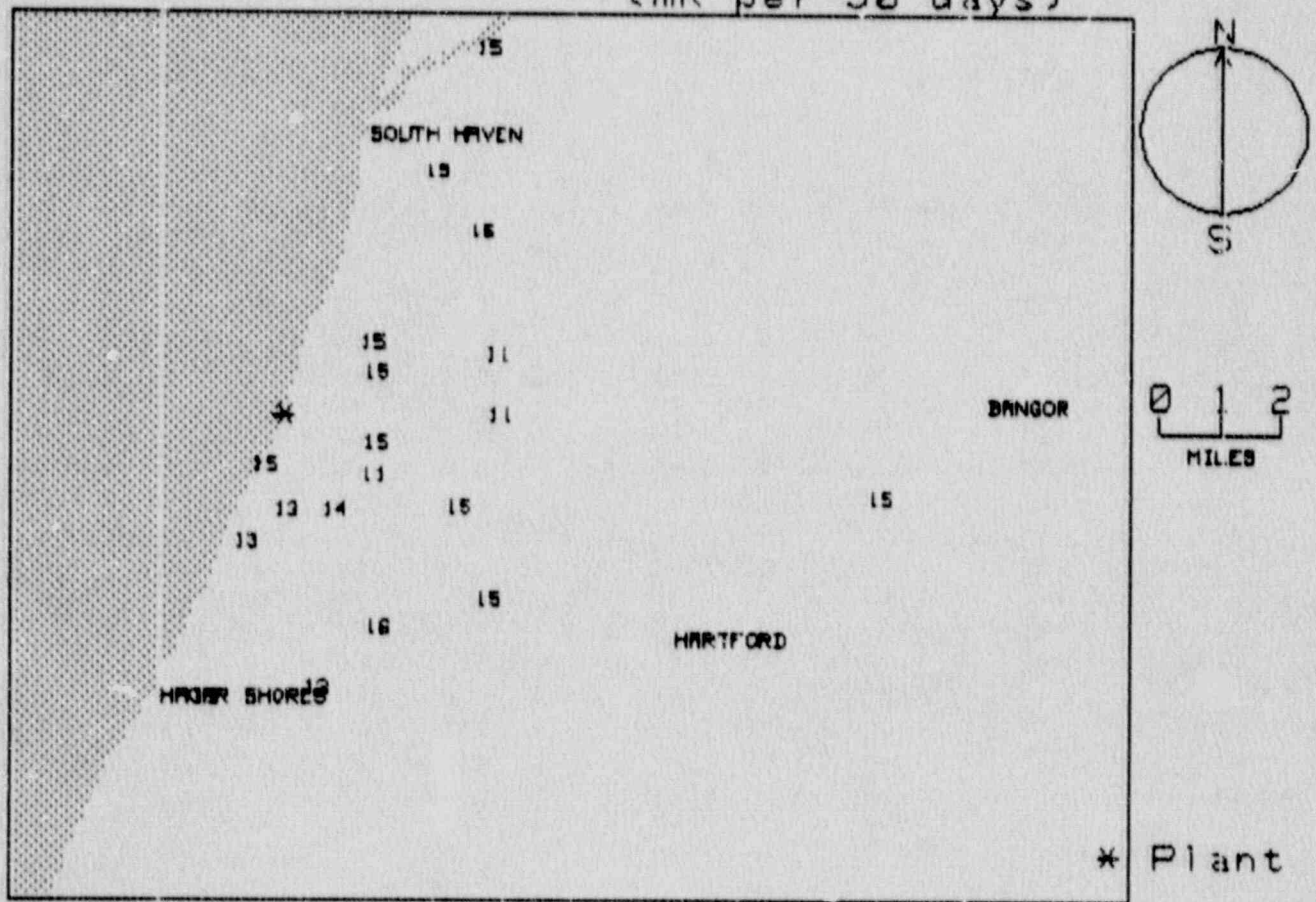
PALISADES  
FOR THE PERIOD 900316-900731

## 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)	15.2 $\pm$ .2	2
33.75-56.25 (NE)	15.2 $\pm$ .8	2
56.25-78.75 (ENE)	12.7 $\pm$ 2.7	2
78.75-101.25 (E)	12.8 $\pm$ 2.5	2
101.25-123.75 (ESE)	15.3 $\pm$ .1	2
123.75-146.25 (SE)	13.8 $\pm$ 3.0	2
146.25-168.75 (SSE)	14.8 $\pm$ 1.2	2
168.75-191.25 (S)	13.1 $\pm$ .2	2
191.25-213.75 (SSW)	13.6 $\pm$ 1.1	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	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	# IN GROUP
0-2	13.9 $\pm$ 1.5	7
2-5	13.8 $\pm$ 1.9	10
>5	14.8 $\pm$ .2	2
UPWIND CONTROL DATA	14.3 $\pm$ .4	3

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



PALO VERDE  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 900313-900802 143 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	74	23.	23.9	+- .7 ; 3.6	19.2	+- .0 ; 4.6
002	92	21.	25.4	+- .8 ; 3.8	20.7	+- .8 ; 4.8
003	89	15.	25.9	+- .8 ; 3.9	21.1	+- .8 ; 4.8
004	103	11.	26.1	+- .8 ; 3.9	21.4	+- .8 ; 4.8
005	140	7.4	26.7	+- .8 ; 4.0	22.0	+- .9 ; 4.9
006	142	3.1	26.1	+- .8 ; 3.9	21.4	+- .8 ; 4.8
007	162	2.6	25.9	+- .8 ; 3.9	21.1	+- .8 ; 4.8
008	168	2.6	26.0	+- .8 ; 3.9	21.2	+- .8 ; 4.8
009	193	2.6	27.0	+- .8 ; 4.1	22.2	+- .9 ; 4.9
010	215	3.1	27.0	+- .8 ; 4.2	23.0	+- .9 ; 5.0
011	200	1.7	28.2	+- .8 ; 4.2	23.4	+- .9 ; 5.1
012	214	1.0	26.7	+- .8 ; 4.0	22.0	+- .9 ; 4.9
013	242	0.7	28.9	+- .9 ; 4.3	24.1	+- .9 ; 5.2
014	263	0.6	27.2	+- .8 ; 4.1	22.4	+- .9 ; 5.0
015	295	0.6	27.3	+- .8 ; 4.1	22.5	+- .9 ; 5.0
016	325	1.0	26.6	+- .8 ; 4.0	21.0	+- .9 ; 4.9
017	347	1.0	29.1	+- .9 ; 4.4	24.3	+- .9 ; 5.2
018	0	2.4	27.7	+- .8 ; 4.1	22.9	+- .9 ; 5.0
019	18	1.5	25.3	+- .8 ; 3.8	20.5	+- .8 ; 4.7
020	37	2.0	27.0	+- .8 ; 4.0	22.2	+- .9 ; 4.9
021	58	2.3	26.1	+- .8 ; 3.9	21.3	+- .8 ; 4.8
022	75	2.0	28.3	+- .8 ; 4.2	23.5	+- .9 ; 5.1
023	93	4.4	28.7	+- .9 ; 4.3	23.9	+- .9 ; 5.1
024	101	3.3	25.0	+- .8 ; 3.9	21.0	+- .8 ; 4.8
025	346	2.9	27.0	+- .8 ; 4.1	22.2	+- .9 ; 4.9
026	334	4.3	28.0	+- .8 ; 4.3	24.0	+- .9 ; 5.1
027	333	7.9	MISSING OR DAMAGED DOSIMETER			
028	0	7.0	27.9	+- .8 ; 4.2	23.1	+- .9 ; 5.0
029	9	4.2	29.5	+- .9 ; 4.4	24.6	+- .9 ; 5.2
030	27	3.6	28.7	+- .9 ; 4.3	23.9	+- .9 ; 5.1
031	49	3.5	MISSING OR DAMAGED DOSIMETER			
032	120	3.3	29.2	+- .9 ; 4.4	24.3	+- .9 ; 5.2
TRANSIT DOSE =			4.3	+- .4 ; 3.0		

PALO VERDE  
FOR THE PERIOD 900313-900802

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	$\phi$ IN GROUP
348.75-11.25 (N)	23.5 $\pm$ 1.0	3
11.25-33.75 (NNE)	22.2 $\pm$ 2.4	2
33.75-56.25 (NE)	22.2 $\pm$ 0.0	1
56.25-78.75 (ENE)	22.4 $\pm$ 1.6	2
78.75-101.25 (E)	22.5 $\pm$ 2.0	2
101.25-123.75 (ESE)	22.8 $\pm$ 2.1	2
123.75-146.25 (SE)	21.7 $\pm$ .4	2
146.25-168.75 (SSE)	21.2 $\pm$ .1	2
168.75-191.25 (S)	NO DATA $\pm$ NO DATA	0
191.25-213.75 (SSW)	22.8 $\pm$ .8	2
213.75-236.25 (SW)	22.5 $\pm$ .8	2
236.25-258.75 (WSW)	24.1 $\pm$ 0.0	1
258.75-281.25 (W)	22.4 $\pm$ 0.0	1
281.25-303.75 (WNW)	22.5 $\pm$ 0.0	1
303.75-326.25 (NW)	21.8 $\pm$ 0.0	1
326.25-348.75 (NNW)	23.5 $\pm$ 1.1	3

DISTANCE (mi) FROM THE REACTOR	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	$\phi$ IN GROUP
0-2	22.8 $\pm$ 1.2	9
2-5	22.7 $\pm$ 1.3	15
>5	22.1 $\pm$ .8	3
UPWIND CONTROL DATA	20.3 $\pm$ 1.0	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 900314-900724 133 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	329	10.	21.3	+-	.6 ; 3.2	17.1	+-	.7 ; 4.3
002	32	10.	20.5	+-	.6 ; 3.1	16.4	+-	.7 ; 4.2
003	21	5.0	21.2	+-	.6 ; 3.2	17.0	+-	.7 ; 4.3
004	4	5	20.8	+-	.6 ; 3.1	16.7	+-	.7 ; 4.2
005	345	4.4	21.5	+-	.6 ; 3.2	17.4	+-	.7 ; 4.3
006	5	2.2	22.2	+-	.7 ; 3.3	18.0	+-	.7 ; 4.4
007	25	2.5	22.0	+-	.7 ; 3.3	17.8	+-	.7 ; 4.3
008	55	2.8	23.3	+-	.7 ; 3.5	19.1	+-	.8 ; 4.5
009	42	2	21.7	+-	.7 ; 3.3	17.6	+-	.7 ; 4.3
010	60	1.7	22.1	+-	.7 ; 3.3	17.9	+-	.7 ; 4.4
011	95	2	24.1	+-	.7 ; 3.6	19.9	+-	.8 ; 4.6
012	104	2.3	18.5	+-	.6 ; 2.8	14.4	+-	.6 ; 4.0
013	72	5	20.5	+-	.6 ; 3.1	16.4	+-	.7 ; 4.2
014	84	4.6	22.7	+-	.7 ; 3.4	18.5	+-	.7 ; 4.4
015	110	4.3	22.9	+-	.7 ; 3.4	18.7	+-	.8 ; 4.4
016	130	4.7	16.7	+-	.5 ; 2.5	12.7	+-	.6 ; 3.8
017	157	8.8	18.2	+-	.5 ; 2.7	14.1	+-	.6 ; 3.9
018	163	4.6	19.6	+-	.6 ; 2.9	15.4	+-	.7 ; 4.1
019	184	3.9	22.7	+-	.7 ; 3.4	18.5	+-	.7 ; 4.4
020	202	4.8	22.1	+-	.7 ; 3.3	17.9	+-	.7 ; 4.4
021	197	2.3	23.2	+-	.7 ; 3.5	19.0	+-	.8 ; 4.5
022	183	1.7	22.5	+-	.7 ; 3.4	18.3	+-	.7 ; 4.4
023	157	1.8	25.3	+-	.8 ; 3.8	21.0	+-	.8 ; 4.7
024	221	1.8	25.3	+-	.8 ; 3.8	21.1	+-	.8 ; 4.7
025	249	1.7	23.2	+-	.7 ; 3.5	19.0	+-	.8 ; 4.5
026	270	1.8	23.5	+-	.7 ; 3.5	19.3	+-	.8 ; 4.5
027	287	1.9	21.7	+-	.7 ; 3.3	17.6	+-	.7 ; 4.3
028	323	1.8	20.2	+-	.6 ; 3.0	16.0	+-	.7 ; 4.1
029	286	3.6	24.6	+-	.7 ; 3.7	20.3	+-	.8 ; 4.6
030	262	4	MISSING OR DAMAGED DOSIMETER					
031	261	9.9	25.3	+-	.8 ; 3.8	21.0	+-	.8 ; 4.7
032	248	3.2	22.4	+-	.7 ; 3.4	18.2	+-	.7 ; 4.4
033	235	3.7	16.9	+-	.5 ; 2.5	12.8	+-	.6 ; 3.8
034	319	4.9	22.8	+-	.7 ; 3.4	18.6	+-	.7 ; 4.4
035	151	.7	21.6	+-	.6 ; 3.2	17.5	+-	.7 ; 4.3
036	147	17.	17.3	+-	.5 ; 2.6	13.2	+-	.6 ; 3.9
037	147	17.	18.1	+-	.5 ; 2.7	14.0	+-	.6 ; 3.9
038	147	17.	17.9	+-	.5 ; 2.7	13.8	+-	.6 ; 3.9
TRANSIT DOSE =			3.8	+-	.3 ; 3.0			

PEACH BOTTOM  
FOR THE PERIOD 900314-900724

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	# IN GROUP
348.75-11.25 (N)	17.4 $\pm$ 1.0	2
11.25-33.75 (NNE)	17.1 $\pm$ .7	3
33.75-56.25 (NE)	16.3 $\pm$ 1.1	2
56.25-78.75 (ENE)	17.1 $\pm$ 1.1	2
78.75-101.25 (E)	19.2 $\pm$ 1.0	2
101.25-123.75 (ESE)	16.5 $\pm$ 3.1	2
123.75-146.25 (SE)	12.7 $\pm$ 0.0	1
146.25-168.75 (SSE)	17.0 $\pm$ 3.0	4
168.75-191.25 (S)	18.4 $\pm$ .1	2
191.25-213.75 (SSW)	18.5 $\pm$ .7	2
213.75-236.25 (SW)	16.9 $\pm$ 5.0	2
236.25-258.75 (WSW)	18.6 $\pm$ .8	2
258.75-281.25 (W)	20.2 $\pm$ 1.2	2
281.25-303.75 (WNW)	18.9 $\pm$ 2.0	2
303.75-326.25 (NW)	17.3 $\pm$ 1.8	2
326.25-348.75 (NNW)	17.2 $\pm$ .2	2

DISTANCE(mi) FROM THE REACTOR	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	# IN GROUP
0-2	18.6 $\pm$ 1.6	11
2-5	17.2 $\pm$ 2.1	19
>5	17.1 $\pm$ 2.9	4
UPWIND CONTROL DATA	13.7 $\pm$ .4	3



MAP FOR PEACH BOTTOM

Map will be provided for this site in the future.

PERRY

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 900316-900801 139 DAYS  
 FIELD TIME 97 DAYS

NRC STATION	LOCATION		GROSS		NET EXPOSURE RATE
	AZIMUTH (deg.)	DIST (mi.)	EXPOSURE (mR)	+- Rdm; Tot.	mR/Std. Qtr. +- Rdm; Tot.
001	72	5.0	21.3	+- .6 ; 3.2	NO NET DATA
003	88	5.5	20.7	+- .6 ; 3.1	NO NET DATA
004	112	6.0	21.5	+- .6 ; 3.2	NO NET DATA
005	130	4.0	22.0	+- .7 ; 3.3	NO NET DATA
006	155	5.0	MISSING OR DAMAGED DOSIMETER		
007	178	5.2	23.0	+- .7 ; 3.4	NO NET DATA
008	205	4.6	24.8	+- .7 ; 3.7	NO NET DATA
009	220	5.2	20.6	+- .6 ; 3.1	NO NET DATA
010	225	7.4	MISSING OR DAMAGED DOSIMETER		
011	240	5.8	23.2	+- .7 ; 3.5	NO NET DATA
012	225	19.	21.5	+- .6 ; 3.2	NO NET DATA
013	225	19.	20.9	+- .6 ; 3.1	NO NET DATA
014	212	12.	27.0	+- .8 ; 4.0	NO NET DATA
015	240	1.4	21.0	+- .6 ; 3.2	NO NET DATA
016	225	0.8	27.5	+- .8 ; 4.1	NO NET DATA
017	205	0.7	19.3	+- .6 ; 2.9	NO NET DATA
018	180	0.8	20.2	+- .6 ; 3.0	NO NET DATA
019	152	1.8	MISSING OR DAMAGED DOSIMETER		
020	123	1.6	17.6	+- .5 ; 2.6	NO NET DATA
021	105	1.4	18.9	+- .6 ; 2.8	NO NET DATA
022	85	1.2	19.6	+- .6 ; 2.9	NO NET DATA
023	65	1.4	20.8	+- .6 ; 3.1	NO NET DATA
024	40	0.6	19.0	+- .6 ; 2.8	NO NET DATA
025	40	0.6	25.7	+- .8 ; 3.9	NO NET DATA
026	182	2.8	MISSING OR DAMAGED DOSIMETER		
027	175	2.8	25.4	+- .8 ; 3.8	NO NET DATA

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

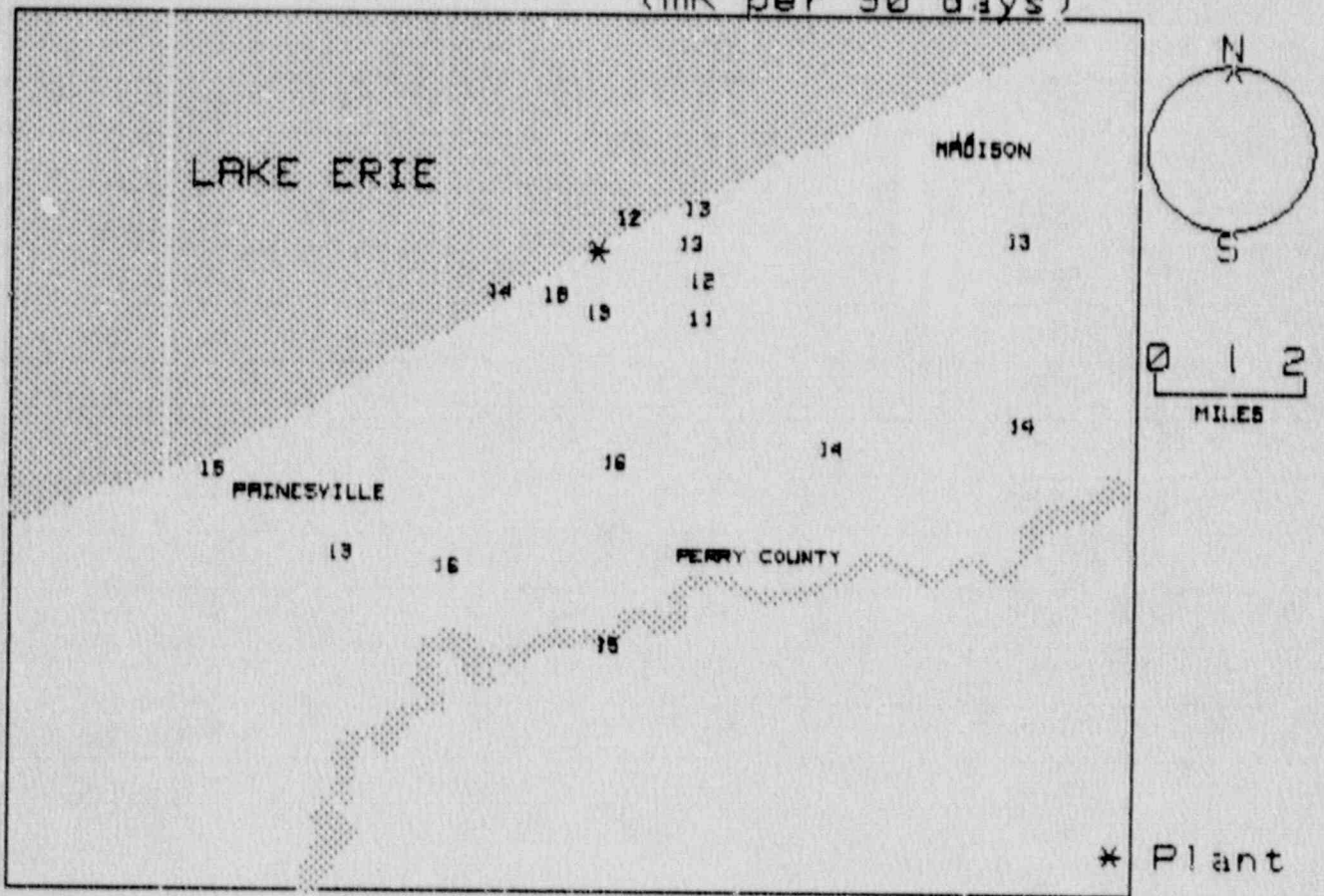
PERRY  
FOR THE PERIOD 900316-900801

## 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)	14.5 $\pm$ 3.1	2
56.25-78.75 (ENE)	13.8 $\pm$ .3	2
78.75-101.25 (E)	13.0 $\pm$ .5	2
101.25-123.75 (ESE)	12.5 $\pm$ 1.3	3
123.75-146.25 (SE)	14.2 $\pm$ 0.0	1
146.25-168.75 (SSE)	NO DATA+-NO DATA	0
168.75-191.25 (S)	14.8 $\pm$ 1.7	3
191.25-213.75 (SSW)	14.3 $\pm$ 2.5	2
213.75-236.25 (SW)	15.6 $\pm$ 3.2	2
236.25-258.75 (WSW)	14.3 $\pm$ 1.0	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(mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	◆ IN GROUP
0-2	13.6 $\pm$ 2.1	10
2-5	15.1 $\pm$ 1.3	4
>5	14.1 $\pm$ .8	5
UPWIND CONTROL DATA	14.9 $\pm$ 2.2	3

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



PILGRIM  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 900317-900724 130 DAYS  
 FIELD TIME 93 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE(mkr)			NET EXPOSURE RATE mR/Std.Qtr.		
	AZIMUTH (deg.)	DIST (mi.)	+-	Rdm;	Tot.	+-	Rdm;	Tot.
001	288	.1	38.2	+-	1.1 ; 5.7	28.5	+-	1.2 ; 6.5
002	310	.2	23.6	+-	.7 ; 3.5	14.4	+-	.8 ; 4.8
005	289	.7	25.2	+-	.8 ; 3.8	15.9	+-	.9 ; 5.0
006	261	1.7	22.4	+-	.7 ; 3.4	13.3	+-	.8 ; 4.7
007	270	.5	27.4	+-	.8 ; 4.1	18.1	+-	.9 ; 5.2
008	247	.3	25.0	+-	.7 ; 3.7	15.7	+-	.9 ; 4.9
009	224	.3	22.8	+-	.7 ; 3.4	13.7	+-	.8 ; 4.7
010	205	.3	22.1	+-	.7 ; 3.3	13.0	+-	.8 ; 4.6
011	184	0.3	24.7	+-	.7 ; 3.7	15.5	+-	.9 ; 4.9
012	159	.4	24.2	+-	.7 ; 3.6	15.0	+-	.8 ; 4.9
013	146	.7	21.2	+-	.6 ; 3.2	12.1	+-	.8 ; 4.6
014	155	1	24.0	+-	.7 ; 3.6	14.8	+-	.8 ; 4.8
016	136	1.3	22.0	+-	.7 ; 3.3	12.9	+-	.8 ; 4.6
018	212	.8	23.2	+-	.7 ; 3.5	14.0	+-	.8 ; 4.8
019	232	1	22.3	+-	.7 ; 3.3	13.1	+-	.8 ; 4.7
021	256	1.6	22.1	+-	.7 ; 3.3	12.9	+-	.8 ; 4.6
022	130	2.5	21.3	+-	.6 ; 3.2	12.2	+-	.8 ; 4.6
023	146	3.4	21.4	+-	.6 ; 3.2	12.3	+-	.8 ; 4.6
025	168	1.5	22.7	+-	.7 ; 3.4	13.6	+-	.8 ; 4.7
026	180	1.3	20.2	+-	.6 ; 3.0	11.1	+-	.8 ; 4.5
027	231	1.8	21.1	+-	.6 ; 3.2	12.0	+-	.8 ; 4.6
030	153	2.2	26.4	+-	.8 ; 4.0	17.1	+-	.9 ; 5.1
031	179	2.5	22.6	+-	.7 ; 3.4	13.4	+-	.8 ; 4.7
032	217	2.6	19.4	+-	.6 ; 2.9	10.3	+-	.7 ; 4.4
033	234	2.5	21.3	+-	.6 ; 3.2	12.2	+-	.8 ; 4.6
037	264	4.2	23.2	+-	.7 ; 3.5	14.1	+-	.8 ; 4.8
038	152	3.5	19.8	+-	.6 ; 3.0	10.7	+-	.7 ; 4.4
039	155	5.3	19.9	+-	.6 ; 3.0	10.9	+-	.7 ; 4.4
040	272	4.6	23.1	+-	.7 ; 3.5	13.9	+-	.8 ; 4.7
042	281	4.6	21.4	+-	.6 ; 3.2	12.3	+-	.8 ; 4.6
043	291	5.8	24.4	+-	.7 ; 3.7	15.2	+-	.9 ; 4.9
045	197	006	20.8	+-	.6 ; 3.1	11.7	+-	.8 ; 4.5
047	301	26.	23.7	+-	.7 ; 3.6	14.5	+-	.8 ; 4.8
048	301	26.	23.7	+-	.7 ; 3.5	14.5	+-	.8 ; 4.8
049	301	26.	23.0	+-	.7 ; 3.5	13.9	+-	.8 ; 4.7

TRANSIT DOSE = 8.7 +- .5 ; 3.5

## COMMENTS:

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

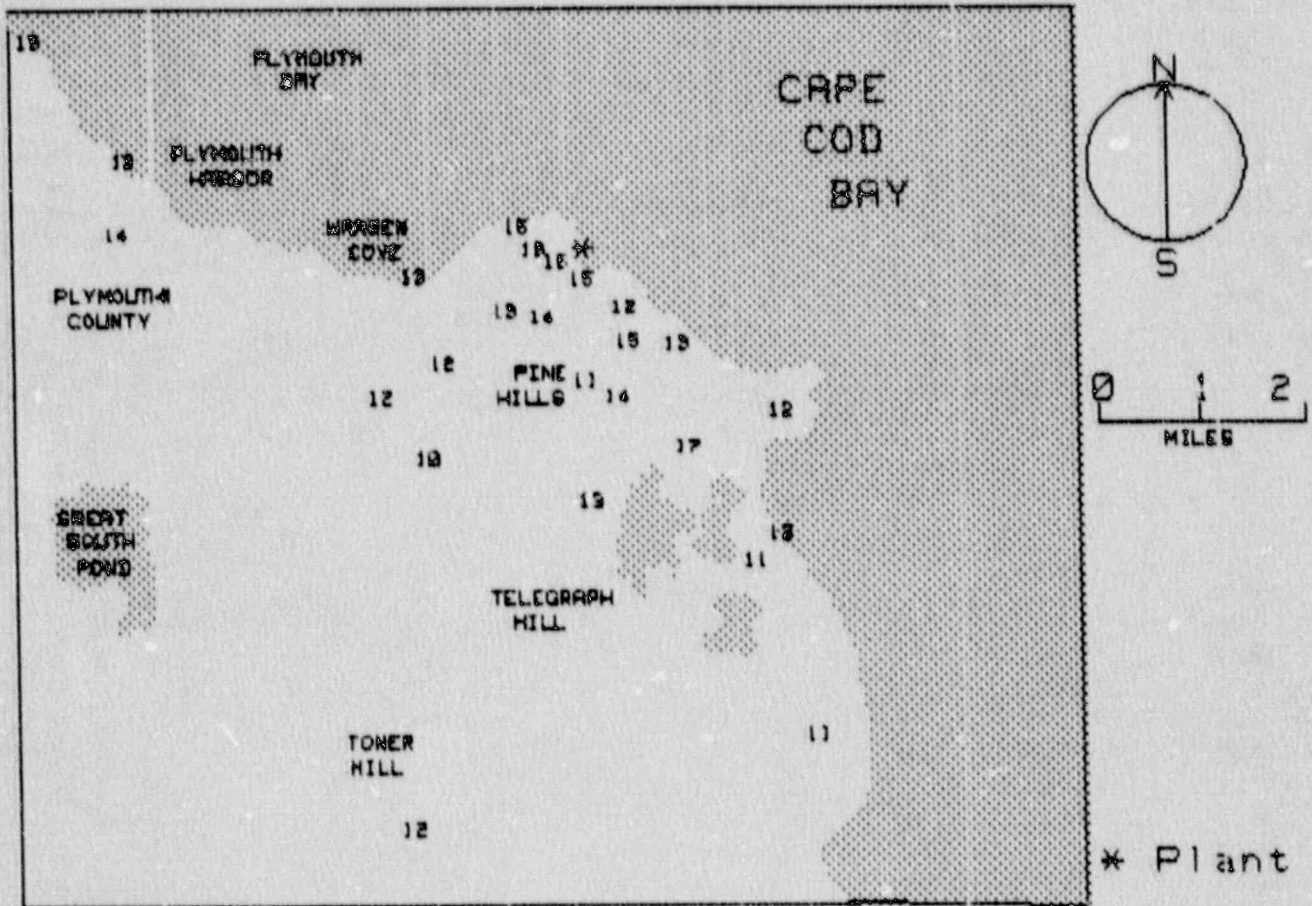
PILGRIM  
FOR THE PERIOD 900317-900724

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std. Qtr.) $\pm$ Std. Dev.	$\phi$ 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)	12.4 $\pm$ .4	4
146.25-168.75 (SSE)	13.7 $\pm$ 2.5	6
168.75-191.25 (S)	13.3 $\pm$ 2.2	3
191.25-213.75 (SSW)	12.8 $\pm$ 1.2	3
213.75-236.25 (SW)	12.3 $\pm$ 1.3	5
236.25-258.75 (WSW)	14.3 $\pm$ 2.0	2
258.75-281.25 (W)	14.3 $\pm$ 2.2	5
281.25-303.75 (WNW)	19.9 $\pm$ 7.5	3
303.75-326.25 (NW)	14.4 $\pm$ 0.0	1
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.	$\phi$ IN GROUP
0-2	14.7 $\pm$ 3.7	19
2-5	12.9 $\pm$ 1.9	10
>5	12.6 $\pm$ 2.3	3
UPWIND CONTROL DATA	14.3 $\pm$ .4	3

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



PRAIRIE ISLAND  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 900316-900807 145 DAYS  
 FIELD TIME 98 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)		NET EXPOSURE RATE	
	AZIMUTH (deg.)	DIST (mi.)	+ Rdm	Tot.	mR/Std.Qtr. + Rdm	Tot.
001	312	17.	24.1	+- .7 ; 3.6	18.2	+- .7 ; 4.4
002	310	15.	22.4	+- .7 ; 3.4	16.6	+- .7 ; 4.2
003	310	15.	21.5	+- .6 ; 3.2	15.7	+- .7 ; 4.2
004	308	5.5	23.6	+- .7 ; 3.5	17.7	+- .7 ; 4.4
005	297	4.1	22.8	+- .7 ; 3.4	16.9	+- .7 ; 4.3
006	287	1.3	24.4	+- .7 ; 3.7	18.4	+- .8 ; 4.5
007	313	0.8	21.9	+- .7 ; 3.3	16.1	+- .7 ; 4.2
008	244	0.5	23.1	+- .7 ; 3.5	17.3	+- .7 ; 4.3
009	194	0.6	23.5	+- .7 ; 3.5	17.6	+- .7 ; 4.4
010	155	0.5	25.0	+- .7 ; 3.7	19.0	+- .8 ; 4.5
011	129	1.6	22.3	+- .7 ; 3.3	16.5	+- .7 ; 4.2
012	153	1.4	23.1	+- .7 ; 3.5	17.3	+- .7 ; 4.3
013	217	0.6	24.2	+- .7 ; 3.6	18.2	+- .7 ; 4.4
014	178	0.8	24.4	+- .7 ; 3.7	18.4	+- .8 ; 4.5
015	272	1.9	21.6	+- .6 ; 3.2	15.9	+- .7 ; 4.2
016	262	4.6	25.4	+- .8 ; 3.8	19.3	+- .8 ; 4.6
017	250	4.3	24.2	+- .7 ; 3.6	18.2	+- .7 ; 4.4
018	225	4.1	25.2	+- .8 ; 3.8	19.2	+- .8 ; 4.5
019	233	6.7	MISSING OR DAMAGED DOSIMETER			
020	200	4.9	26.8	+- .8 ; 4.0	20.6	+- .8 ; 4.7
021	187	4.7	26.9	+- .8 ; 4.0	20.7	+- .8 ; 4.7
022	160	4.4	25.6	+- .8 ; 3.8	19.5	+- .8 ; 4.6
023	140	4.7	25.6	+- .8 ; 3.8	19.5	+- .8 ; 4.6
024	131	6.6	25.2	+- .8 ; 3.8	19.2	+- .8 ; 4.5
025	117	4.9	23.5	+- .7 ; 3.5	17.6	+- .7 ; 4.4
026	88	1.9	24.3	+- .7 ; 3.6	18.4	+- .8 ; 4.5
027	69	1.8	23.7	+- .7 ; 3.6	17.8	+- .7 ; 4.4
028	47	1.6	25.2	+- .8 ; 3.8	19.2	+- .8 ; 4.5
029	19	1.5	23.3	+- .7 ; 3.5	17.4	+- .7 ; 4.3
030	356	1.9	23.7	+- .7 ; 3.6	17.8	+- .7 ; 4.4
031	346	2.4	26.0	+- .8 ; 3.9	19.9	+- .8 ; 4.6
032	340	3.8	27.7	+- .8 ; 4.2	21.5	+- .8 ; 4.8
033	8	4.6	27.2	+- .8 ; 4.1	21.0	+- .8 ; 4.8
034	17	4.7	26.4	+- .8 ; 4.0	20.2	+- .8 ; 4.7
035	45	11.	24.8	+- .7 ; 3.7	18.8	+- .8 ; 4.5
036	48	4.7	26.5	+- .8 ; 4.0	20.3	+- .8 ; 4.7
037	61	4.2	25.7	+- .8 ; 3.9	19.6	+- .8 ; 4.6
038	86	4.9	25.4	+- .8 ; 3.8	19.4	+- .8 ; 4.6
039	107	9.1	22.5	+- .7 ; 3.4	16.7	+- .7 ; 4.3
040	111	3.7	22.3	+- .7 ; 3.3	16.5	+- .7 ; 4.2
TRANSIT DOSE =			4.3	+- .4 ; 3.2		



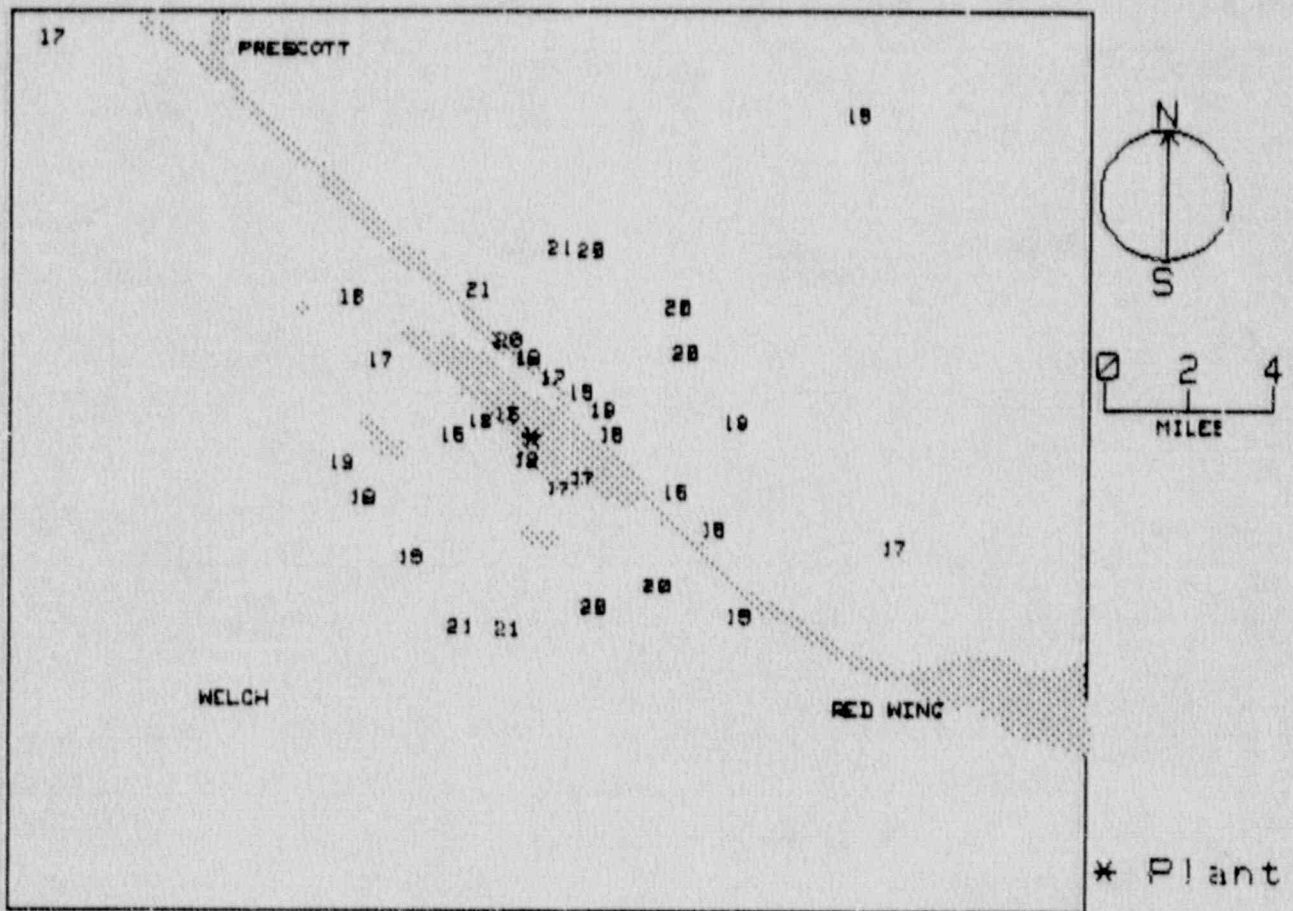
PRAIRIE ISLAND  
FOR THE PERIOD 900316-900807

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	◆ IN GROUP
348.75-11.25 (N)	19.4 $\pm$ 2.3	2
11.25-33.75 (NNE)	18.8 $\pm$ 2.0	2
33.75-56.25 (NE)	19.4 $\pm$ .8	3
56.25-78.75 (ENE)	18.7 $\pm$ 1.3	2
78.75-101.25 (E)	19.5 $\pm$ .7	2
101.25-123.75 (ESE)	16.9 $\pm$ .8	3
123.75-146.25 (SE)	18.4 $\pm$ 1.7	3
146.25-168.75 (SSE)	18.6 $\pm$ 1.2	3
168.75-191.25 (S)	19.6 $\pm$ 1.6	2
191.25-213.75 (SSW)	19.1 $\pm$ 2.2	2
213.75-236.25 (SW)	18.7 $\pm$ .7	2
236.25-258.75 (WSW)	17.7 $\pm$ .7	2
258.75-281.25 (W)	17.8 $\pm$ 2.4	2
281.25-303.75 (WNW)	17.7 $\pm$ 1.0	2
303.75-326.25 (NW)	18.9 $\pm$ 1.1	2
326.25-348.75 (NNW)	20.7 $\pm$ 1.1	2

DISTANCE (mi) FROM THE REACTOR	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	◆ IN GROUP
0-2	17.7 $\pm$ 1.0	15
2-5	19.4 $\pm$ 1.4	17
>5	18.1 $\pm$ 1.1	4
UPWIND CONTROL DATA	16.8 $\pm$ 1.2	3

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



QUAD CITIES  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 900312-900731 142 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	7	0.7	20.0	+-	.6 ; 3.0	14.9	+-	.7 ; 4.1
002	17	1.2	20.7	+-	.6 ; 3.1	15.7	+-	.7 ; 4.2
003	45	1.7	20.0	+-	.6 ; 3.0	15.0	+-	.7 ; 4.2
004	65	1.1	20.6	+-	.6 ; 3.1	15.5	+-	.7 ; 4.2
005	90	0.8	21.1	+-	.6 ; 3.2	16.0	+-	.7 ; 4.3
006	136	1.1	21.2	+-	.6 ; 3.2	16.1	+-	.7 ; 4.3
007	175	1.8	21.8	+-	.7 ; 3.3	16.7	+-	.7 ; 4.3
008	157	2.0	21.3	+-	.6 ; 3.2	16.2	+-	.7 ; 4.3
009	186	3.1	20.3	+-	.6 ; 3.0	15.3	+-	.7 ; 4.2
010	188	7.7	16.3	+-	.5 ; 2.4	11.3	+-	.6 ; 3.8
011	156	4.2	22.2	+-	.7 ; 3.3	17.1	+-	.7 ; 4.4
012	142	4.8	21.5	+-	.6 ; 3.2	16.4	+-	.7 ; 4.3
013	121	3.3	20.4	+-	.6 ; 3.1	15.3	+-	.7 ; 4.2
014	114	2.0	18.0	+-	.5 ; 2.7	13.0	+-	.6 ; 4.0
015	86	2.8	22.0	+-	.7 ; 3.3	16.9	+-	.7 ; 4.4
016	62	4.4	24.6	+-	.7 ; 3.7	19.4	+-	.8 ; 4.6
017	48	6.1	21.3	+-	.6 ; 3.2	16.2	+-	.7 ; 4.3
018	39	8.8	20.1	+-	.6 ; 3.0	15.0	+-	.7 ; 4.2
019	36	4.7	18.6	+-	.6 ; 2.8	13.6	+-	.6 ; 4.0
020	16	4.3	21.4	+-	.6 ; 3.2	16.3	+-	.7 ; 4.3
021	358	4.2	MISSING OR DAMAGED DOSIMETER					
022	336	4.1	23.5	+-	.7 ; 3.5	18.3	+-	.8 ; 4.5
023	337	5.7	21.5	+-	.6 ; 3.2	16.4	+-	.7 ; 4.3
024	317	4.4	22.5	+-	.7 ; 3.4	17.4	+-	.7 ; 4.4
025	295	4.1	21.8	+-	.7 ; 3.3	16.7	+-	.7 ; 4.3
026	282	6.9	17.6	+-	.5 ; 2.6	12.7	+-	.6 ; 3.9
027	265	4.3	20.6	+-	.6 ; 3.1	15.5	+-	.7 ; 4.2
028	253	4.0	20.5	+-	.6 ; 3.1	15.5	+-	.7 ; 4.2
029	356	2.8	23.3	+-	.7 ; 3.5	18.1	+-	.8 ; 4.5
030	335	1.9	21.6	+-	.6 ; 3.2	16.5	+-	.7 ; 4.3
031	317	2.6	20.1	+-	.6 ; 3.0	15.0	+-	.7 ; 4.2
032	295	2.5	19.3	+-	.6 ; 2.9	14.3	+-	.7 ; 4.1
033	266	2.0	19.7	+-	.6 ; 3.0	14.7	+-	.7 ; 4.1
034	248	2.2	21.3	+-	.6 ; 3.2	16.2	+-	.7 ; 4.3
035	229	2.6	21.2	+-	.6 ; 3.2	16.1	+-	.7 ; 4.3
036	204	3.4	19.8	+-	.6 ; 3.0	14.8	+-	.7 ; 4.1
037	194	8.3	20.4	+-	.6 ; 3.1	15.4	+-	.7 ; 4.2
038	224	4.6	21.3	+-	.6 ; 3.2	16.2	+-	.7 ; 4.3
039	301	15.	20.3	+-	.6 ; 3.0	15.3	+-	.7 ; 4.2
040	301	15.	18.6	+-	.6 ; 2.8	13.6	+-	.6 ; 4.0
041	301	15.	19.5	+-	.6 ; 2.9	14.4	+-	.7 ; 4.1
TRANSIT DOSE =			4.5	+-	.4 ; 3.1			

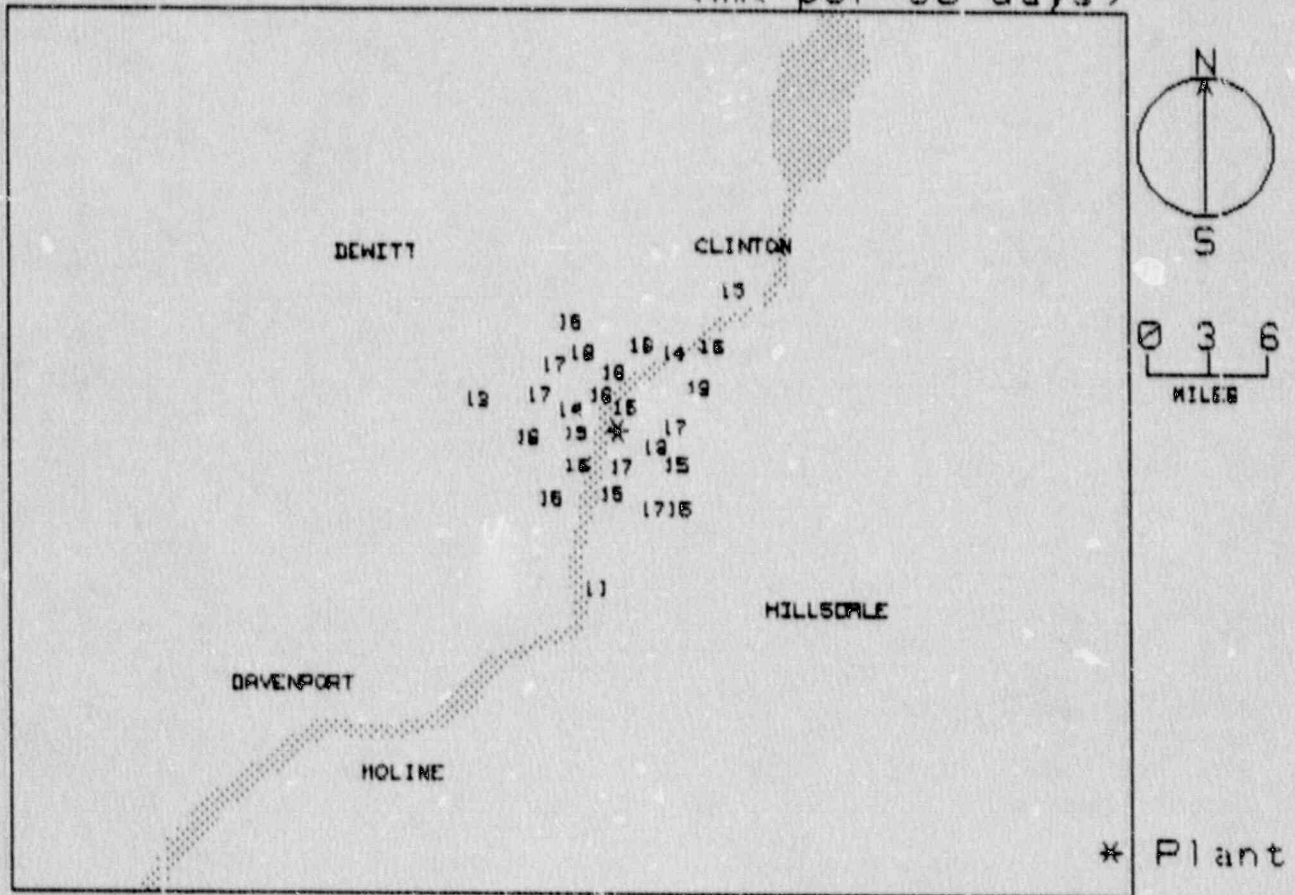
QUAD CITIES  
FOR THE PERIOD 900312-900731

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	# IN GROUP
348.75-11.25 (N)	16.5 $\pm$ 2.3	2
11.25-33.75 (NNE)	16.0 $\pm$ .4	2
33.75-56.25 (NE)	14.8 $\pm$ 1.0	4
56.25-78.75 (ENE)	17.5 $\pm$ 2.8	2
78.75-101.25 (E)	16.4 $\pm$ .7	2
101.25-123.75 (ESE)	14.2 $\pm$ 1.6	2
123.75-146.25 (SE)	16.2 $\pm$ .2	2
146.25-168.75 (SSE)	16.6 $\pm$ .6	2
168.75-191.25 (S)	14.4 $\pm$ 2.8	3
191.25-213.75 (SSW)	15.1 $\pm$ .4	2
213.75-236.25 (SW)	16.2 $\pm$ .0	2
236.25-258.75 (WSW)	15.8 $\pm$ .5	2
258.75-281.25 (W)	15.1 $\pm$ .6	2
281.25-303.75 (WNW)	14.5 $\pm$ 2.0	3
303.75-326.25 (NW)	16.2 $\pm$ 1.7	2
326.25-348.75 (NNW)	17.1 $\pm$ 1.1	3

DISTANCE(mi) FROM THE REACTOR	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	# IN GROUP
0-2	15.5 $\pm$ 1.0	11
2-5	16.2 $\pm$ 1.4	20
>5	14.5 $\pm$ 2.0	6
UPWIND CONTROL DATA	14.4 $\pm$ .8	3

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



\* Plant

RANCHO SECO  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 900313-900802 143 DAYS  
 FIELD TIME 62 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)			NET EXPOSURE RATE		
	AZIMUTH (deg.)	DIST (mi.)	+ -	Rdm;	Tot.	mR/Std.Qtr.	+ -	Rdm;Tot.
001	288	16.	21.6	+-	.6 ; 3.2	19.2	+-	1.1 ; 6.0
002	239	12.	25.4	+-	.8 ; 3.8	24.7	+-	1.2 ; 6.7
003	213	16.	24.5	+-	.7 ; 3.7	23.4	+-	1.2 ; 6.5
004	149	9.9	22.0	+-	.7 ; 3.3	19.8	+-	1.1 ; 6.1
005	108	8.2	28.1	+-	.8 ; 4.2	28.6	+-	1.4 ; 7.2
006	86	10.	19.7	+-	.6 ; 2.9	16.4	+-	1.0 ; 5.7
007	83	9.7	19.6	+-	.6 ; 2.9	16.4	+-	1.0 ; 5.7
008	37	7.1	20.6	+-	.6 ; 3.1	17.8	+-	1.1 ; 5.9
009	65	0.8	22.1	+-	.7 ; 3.3	20.0	+-	1.1 ; 6.1
010	43	0.7	23.2	+-	.7 ; 3.5	21.6	+-	1.2 ; 6.3
011	92	0.2	20.3	+-	.6 ; 3.0	17.3	+-	1.1 ; 5.8
012	131	1.6	19.8	+-	.6 ; 3.0	16.6	+-	1.0 ; 5.7
013	358	0.6	24.1	+-	.7 ; 3.6	22.8	+-	1.2 ; 6.5
014	323	0.7	21.5	+-	.6 ; 3.2	19.1	+-	1.1 ; 6.0
015	151	0.7	MISSING OR DAMAGED DOSIMETER					
016	219	0.9	21.5	+-	.6 ; 3.2	19.0	+-	1.1 ; 6.0
017	245	1.5	MISSING OR DAMAGED DOSIMETER					
018	254	2.3	21.3	+-	.6 ; 3.2	18.7	+-	1.1 ; 6.0
019	323	7.0	21.6	+-	.6 ; 3.2	19.3	+-	1.1 ; 6.0
020	309	6.3	23.4	+-	.7 ; 3.5	21.9	+-	1.2 ; 6.3
021	279	5.7	21.0	+-	.6 ; 3.1	18.3	+-	1.1 ; 5.9
022	244	6.4	22.7	+-	.7 ; 3.4	20.9	+-	1.1 ; 6.2
023	217	4.6	21.7	+-	.6 ; 3.2	19.3	+-	1.1 ; 6.0
024	350	11.	22.3	+-	.7 ; 3.3	20.2	+-	1.1 ; 6.1
025	318	17.	22.6	+-	.7 ; 3.4	20.6	+-	1.1 ; 6.2
026	311	22.	24.0	+-	.7 ; 3.6	22.7	+-	1.2 ; 6.4
027	306	27.	21.3	+-	.6 ; 3.2	18.7	+-	1.1 ; 6.0
028	306	27.	20.7	+-	.6 ; 3.1	17.9	+-	1.1 ; 5.9
029	306	27.	20.7	+-	.6 ; 3.1	17.9	+-	1.1 ; 5.9
030	306	27.	21.1	+-	.6 ; 3.2	18.5	+-	1.1 ; 5.9

TRANSIT DOSE = 8.3 +- .4 ; 2.6

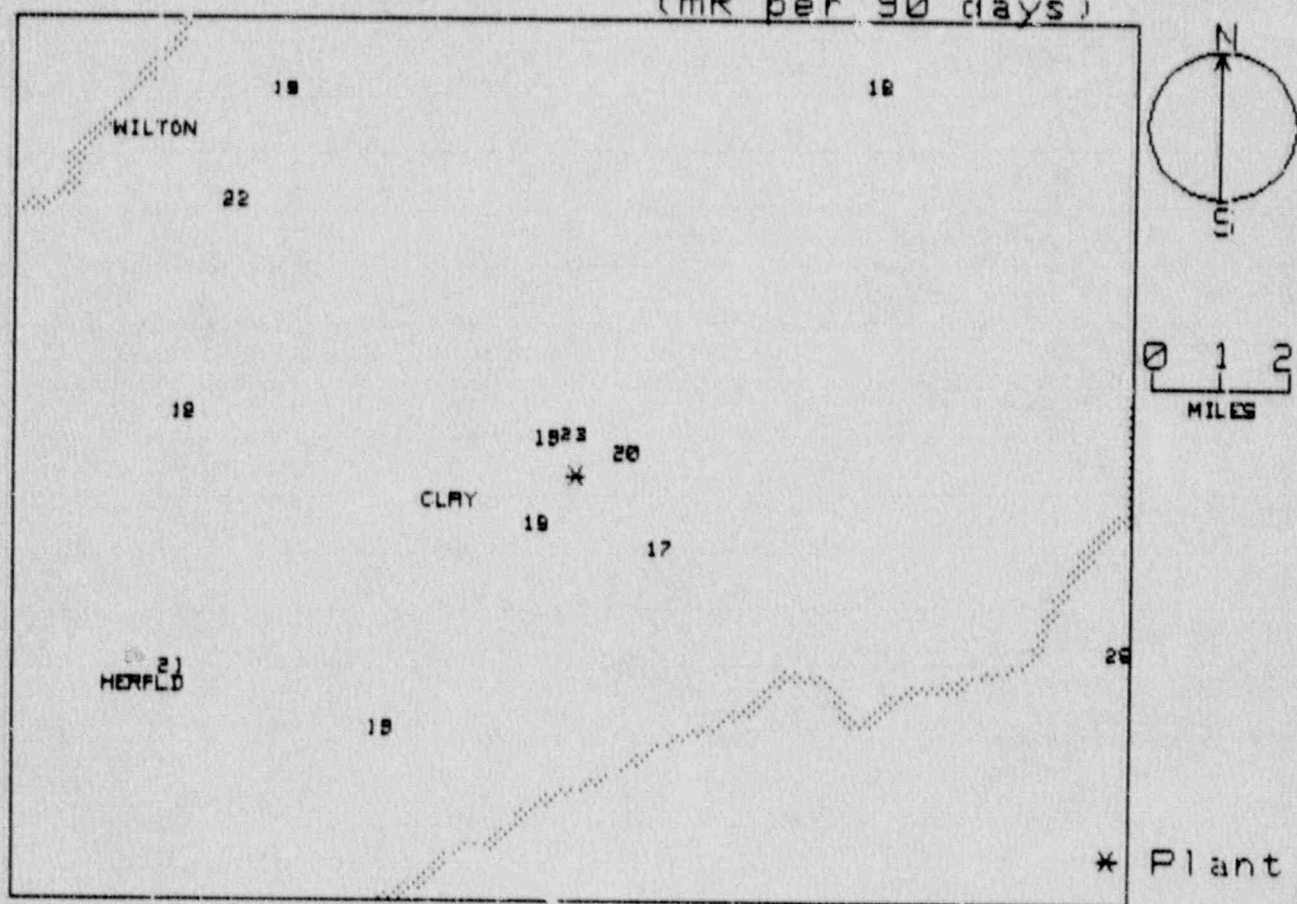
RANCHO SECO  
FOR THE PERIOD 900313-900802

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

RZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	◆ IN GROUP
348.75-11.25 (N)	21.5 +- 1.8	2
11.25-33.75 (NNE)	NO DATA+-NO DATA	0
33.75-56.25 (NE)	19.7 +- 2.7	2
56.25-78.75 (ENE)	20.0 +- 0.0	1
78.75-101.25 (E)	16.7 +- .5	3
101.25-123.75 (ESE)	20.6 +- 0.0	1
123.75-146.25 (SE)	16.6 +- 0.0	1
146.25-168.75 (SSE)	15.8 +- 0.0	1
168.75-191.25 (S)	NO DATA+-NO DATA	0
191.25-213.75 (SSW)	23.4 +- 0.0	1
213.75-236.25 (SW)	19.2 +- .2	2
236.25-258.75 (WSW)	21.4 +- 3.0	3
258.75-281.25 (W)	18.3 +- 0.0	1
281.25-303.75 (WNW)	19.2 +- 0.0	1
303.75-326.25 (NW)	19.6 +- 1.4	6
326.25-348.75 (NNW)	NO DATA+-NO DATA	0

DISTANCE(mi) FROM THE REACTOR	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	◆ IN GROUP
0-2	19.5 +- 2.2	7
2-5	19.0 +- .4	2
>5	20.2 +- 3.2	18
UPWIND CONTROL DATA	19.8 +- 2.6	3

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





RIVER BEND  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 900313-900802 143 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	348	1.3	22.4	+-	.7 ; 3.4	16.0	+-	.8 ; 4.5
002	42	1.1	23.7	+-	.7 ; 3.6	17.3	+-	.8 ; 4.7
003	61	1.1	24.0	+-	.7 ; 3.6	17.5	+-	.8 ; 4.7
004	90	0.8	23.2	+-	.7 ; 3.5	16.7	+-	.8 ; 4.6
005	107	0.6	25.1	+-	.8 ; 3.8	18.6	+-	.8 ; 4.8
006	136	0.8	23.7	+-	.7 ; 3.5	17.2	+-	.8 ; 4.7
007	165	1.0	21.6	+-	.6 ; 3.2	15.2	+-	.7 ; 4.4
008	182	0.9	20.8	+-	.6 ; 3.1	14.4	+-	.7 ; 4.4
009	195	0.6	22.0	+-	.7 ; 3.3	15.5	+-	.8 ; 4.5
010	225	0.7	22.0	+-	.7 ; 3.3	15.6	+-	.8 ; 4.5
011	254	0.4	21.9	+-	.7 ; 3.3	15.4	+-	.8 ; 4.5
012	276	0.6	23.6	+-	.7 ; 3.5	17.2	+-	.8 ; 4.7
013	295	0.6	25.1	+-	.8 ; 3.8	18.6	+-	.8 ; 4.8
014	320	0.9	22.7	+-	.7 ; 3.4	16.2	+-	.8 ; 4.6
015	322	2.1	24.0	+-	.7 ; 3.6	17.5	+-	.8 ; 4.7
016	312	2.7	20.2	+-	.6 ; 3.0	13.8	+-	.7 ; 4.3
017	302	3.1	20.2	+-	.6 ; 3.0	13.8	+-	.7 ; 4.3
018	278	3.8	18.0	+-	.5 ; 2.7	11.6	+-	.7 ; 4.1
019	242	2.8	24.3	+-	.7 ; 3.6	17.8	+-	.8 ; 4.7
020	195	5.4	21.0	+-	.6 ; 3.2	14.6	+-	.7 ; 4.4
021	215	3.0	22.8	+-	.7 ; 3.4	16.3	+-	.8 ; 4.6
022	233	7.1	19.5	+-	.6 ; 2.9	13.1	+-	.7 ; 4.2
023	246	9.7	22.5	+-	.7 ; 3.4	16.0	+-	.8 ; 4.5
024	234	7.3	21.8	+-	.7 ; 3.3	15.4	+-	.8 ; 4.5
025	185	7.6	23.2	+-	.7 ; 3.5	16.7	+-	.8 ; 4.6
026	322	7.7	23.3	+-	.7 ; 3.5	16.8	+-	.8 ; 4.6
027	328	10.	24.4	+-	.7 ; 3.7	17.9	+-	.8 ; 4.7
028	340	7.2	23.7	+-	.7 ; 3.5	17.2	+-	.8 ; 4.7
029	354	9.5	22.3	+-	.7 ; 3.3	15.8	+-	.8 ; 4.5
030	360	5.1	24.4	+-	.7 ; 3.7	17.9	+-	.8 ; 4.7
031	221	6.9	24.2	+-	.7 ; 3.6	17.7	+-	.8 ; 4.7
032	40	4.9	23.2	+-	.7 ; 3.5	16.8	+-	.8 ; 4.6
033	52	8.7	19.9	+-	.6 ; 3.0	13.5	+-	.7 ; 4.3
034	65	8.4	22.8	+-	.7 ; 3.4	16.4	+-	.8 ; 4.6
035	87	6.6	20.6	+-	.6 ; 3.1	14.2	+-	.7 ; 4.3
036	326	5.8	22.9	+-	.7 ; 3.4	16.4	+-	.8 ; 4.6
037	329	22.	23.5	+-	.7 ; 3.5	17.1	+-	.8 ; 4.6
038	111	3.8	21.8	+-	.7 ; 3.3	15.3	+-	.8 ; 4.5
039	131	5.6	22.8	+-	.7 ; 3.4	16.3	+-	.8 ; 4.6
040	155	6.2	23.7	+-	.7 ; 3.5	17.2	+-	.8 ; 4.7
041	120	9.0	24.0	+-	.7 ; 3.6	17.6	+-	.8 ; 4.7
042	121	11.	20.2	+-	.6 ; 3.0	13.8	+-	.7 ; 4.3
043	180	1.1	25.0	+-	.8 ; 3.8	18.5	+-	.8 ; 4.8
044	150	28.	19.3	+-	.6 ; 2.9	13.0	+-	.7 ; 4.2
TRANSIT DOSE =			6.1	+-	.4 ; 3.2			

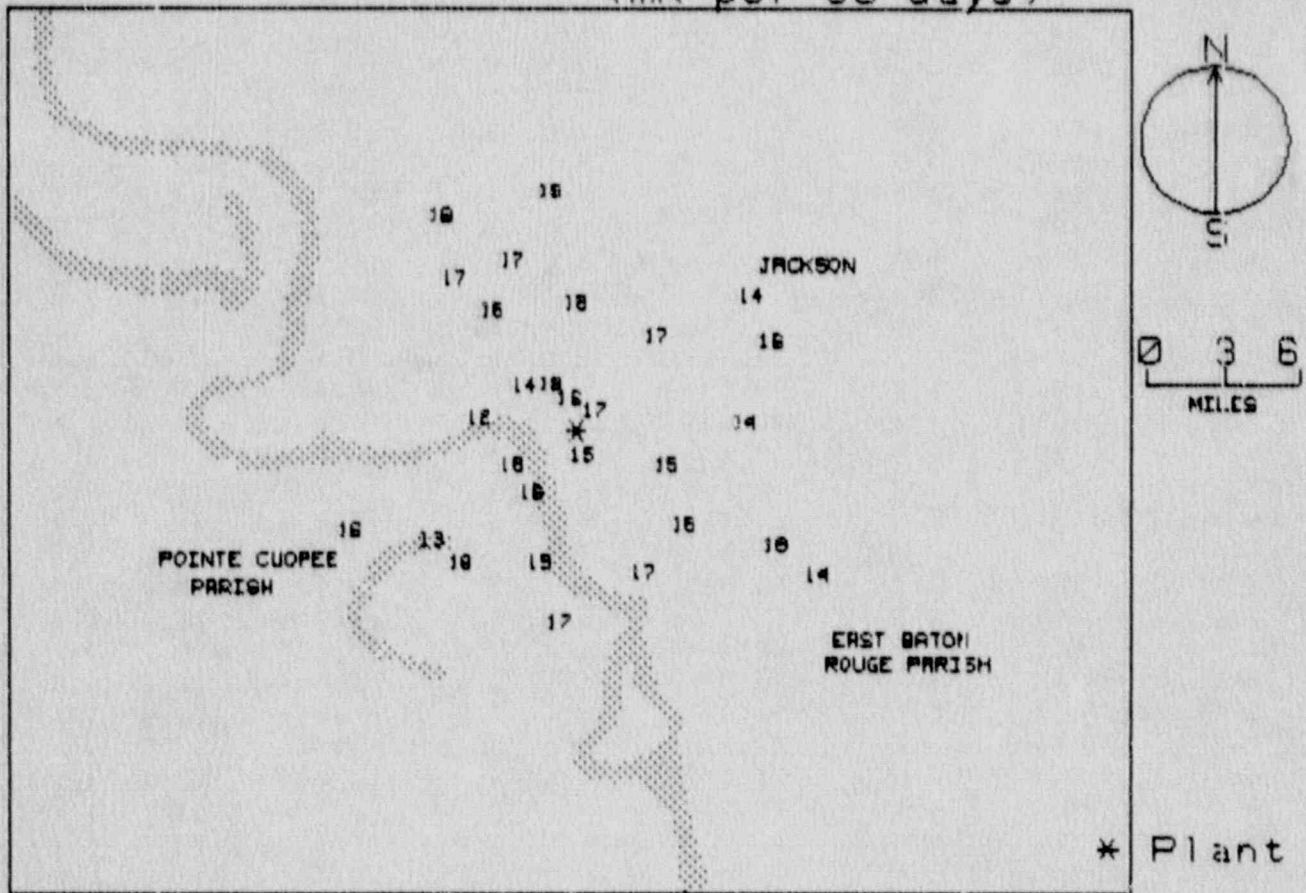
RIVER BEND  
FOR THE PERIOD 900313-900802

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
348.75-11.25 (N)	10.8 $\pm$ 1.5	2
11.25-33.75 (NNE)	NO DATA--NO DATA	0
33.75-56.25 (NE)	15.8 $\pm$ 2.0	3
56.25-78.75 (ENE)	16.8 $\pm$ .8	2
78.75-101.25 (E)	15.4 $\pm$ 1.8	2
101.25-123.75 (ESE)	16.3 $\pm$ 2.2	4
123.75-146.25 (SE)	16.8 $\pm$ .8	2
146.25-168.75 (SSE)	16.2 $\pm$ 1.4	2
168.75-191.25 (S)	16.5 $\pm$ 2.1	3
191.25-213.75 (SSW)	15.1 $\pm$ .7	2
213.75-236.25 (SW)	15.6 $\pm$ 1.7	5
236.25-258.75 (WSW)	16.4 $\pm$ 1.2	3
258.75-281.25 (W)	14.4 $\pm$ 3.9	2
281.25-303.75 (WNW)	16.2 $\pm$ 3.4	2
303.75-326.25 (NW)	15.8 $\pm$ 1.4	4
326.25-348.75 (NNW)	17.1 $\pm$ .7	5

DIRECTION FROM THE REACTOR	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
0-	16.7 $\pm$ 1.3	15
E	15.4 $\pm$ 2.1	6
>5	16.1 $\pm$ 1.5	20
UPWIND CONTROL DATA	13.8 $\pm$ 0.8	1

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



ROBINSON  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 900317-900727 133 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	191	0.2	20.6	+-	.6 ; 3.1	14.8	+-	.7 ; 4.1
002	151	1.9	28.7	+-	.9 ; 4.3	22.2	+-	.9 ; 4.9
003	134	2.0	23.0	+-	.7 ; 3.5	17.0	+-	.7 ; 4.3
004	119	1.9	20.5	+-	.6 ; 3.1	14.7	+-	.7 ; 4.0
005	89	2.1	23.5	+-	.7 ; 3.5	17.5	+-	.7 ; 4.3
006	65	1.0	22.4	+-	.7 ; 3.4	16.4	+-	.7 ; 4.2
007	46	1.8	20.8	+-	.6 ; 3.1	15.0	+-	.7 ; 4.1
008	27	1.9	21.3	+-	.6 ; 3.2	15.4	+-	.7 ; 4.1
009	22	3.5	21.2	+-	.6 ; 3.2	15.3	+-	.7 ; 4.1
010	0	5.0	24.9	+-	.7 ; 3.7	18.7	+-	.8 ; 4.3
011	51	4.8	24.8	+-	.7 ; 3.7	18.6	+-	.8 ; 4.5
012	67	4.1	20.4	+-	.6 ; 3.1	14.6	+-	.7 ; 4.0
013	87	4.5	20.9	+-	.6 ; 3.1	15.1	+-	.7 ; 4.1
014	109	5.0	20.1	+-	.6 ; 3.0	14.3	+-	.6 ; 4.0
015	118	4.8	20.3	+-	.6 ; 3.0	14.5	+-	.6 ; 4.0
016	138	5.3	23.3	+-	.7 ; 3.5	17.2	+-	.7 ; 4.3
017	115	17.	MISSING OR DAMAGED DOSIMETER					
018	199	13	23.1	+-	.7 ; 3.5	17.1	+-	.7 ; 4.3
019	208	4.8	27.4	+-	.8 ; 4.1	21.0	+-	.8 ; 4.7
020	225	4.0	25.4	+-	.8 ; 3.8	19.2	+-	.8 ; 4.5
021	178	4.6	17.4	+-	.5 ; 2.6	11.9	+-	.6 ; 3.8
022	167	3.7	22.3	+-	.7 ; 3.3	16.3	+-	.7 ; 4.2
023	181	2.3	21.1	+-	.6 ; 3.2	15.3	+-	.7 ; 4.1
024	194	2.0	25.0	+-	.7 ; 3.7	18.8	+-	.8 ; 4.5
025	228	2.1	25.0	+-	.7 ; 3.7	18.8	+-	.8 ; 4.5
026	245	1.5	19.7	+-	.6 ; 3.0	14.0	+-	.6 ; 4.0
027	273	1.8	18.5	+-	.6 ; 2.8	12.9	+-	.6 ; 3.9
028	287	2.0	18.5	+-	.6 ; 2.8	12.9	+-	.6 ; 3.9
029	311	1.6	23.2	+-	.7 ; 3.5	17.2	+-	.7 ; 4.3
030	334	1.9	MISSING OR DAMAGED DOSIMETER					
031	353	1.8	21.2	+-	.6 ; 3.2	15.4	+-	.7 ; 4.1
032	333	4.0	22.5	+-	.7 ; 3.4	16.5	+-	.7 ; 4.2
033	318	4.7	23.9	+-	.7 ; 3.6	17.8	+-	.7 ; 4.4
034	310	6.9	20.5	+-	.6 ; 3.1	14.7	+-	.7 ; 4.0
035	295	4.0	27.8	+-	.8 ; 4.2	21.4	+-	.8 ; 4.8
036	269	4.8	25.2	+-	.8 ; 3.8	19.0	+-	.8 ; 4.5
037	252	4.6	22.3	+-	.7 ; 3.3	16.4	+-	.7 ; 4.2
038	274	11	20.2	+-	.6 ; 3.0	14.5	+-	.6 ; 4.0
039	286	15.	19.9	+-	.6 ; 3.0	14.2	+-	.6 ; 4.0
040	289	16	19.9	+-	.6 ; 3.0	14.2	+-	.6 ; 4.0
041	291	17	21.4	+-	.6 ; 3.2	15.6	+-	.7 ; 4.1
TRANSIT DOSE =			4.3	+-	.4 ; 3.2			

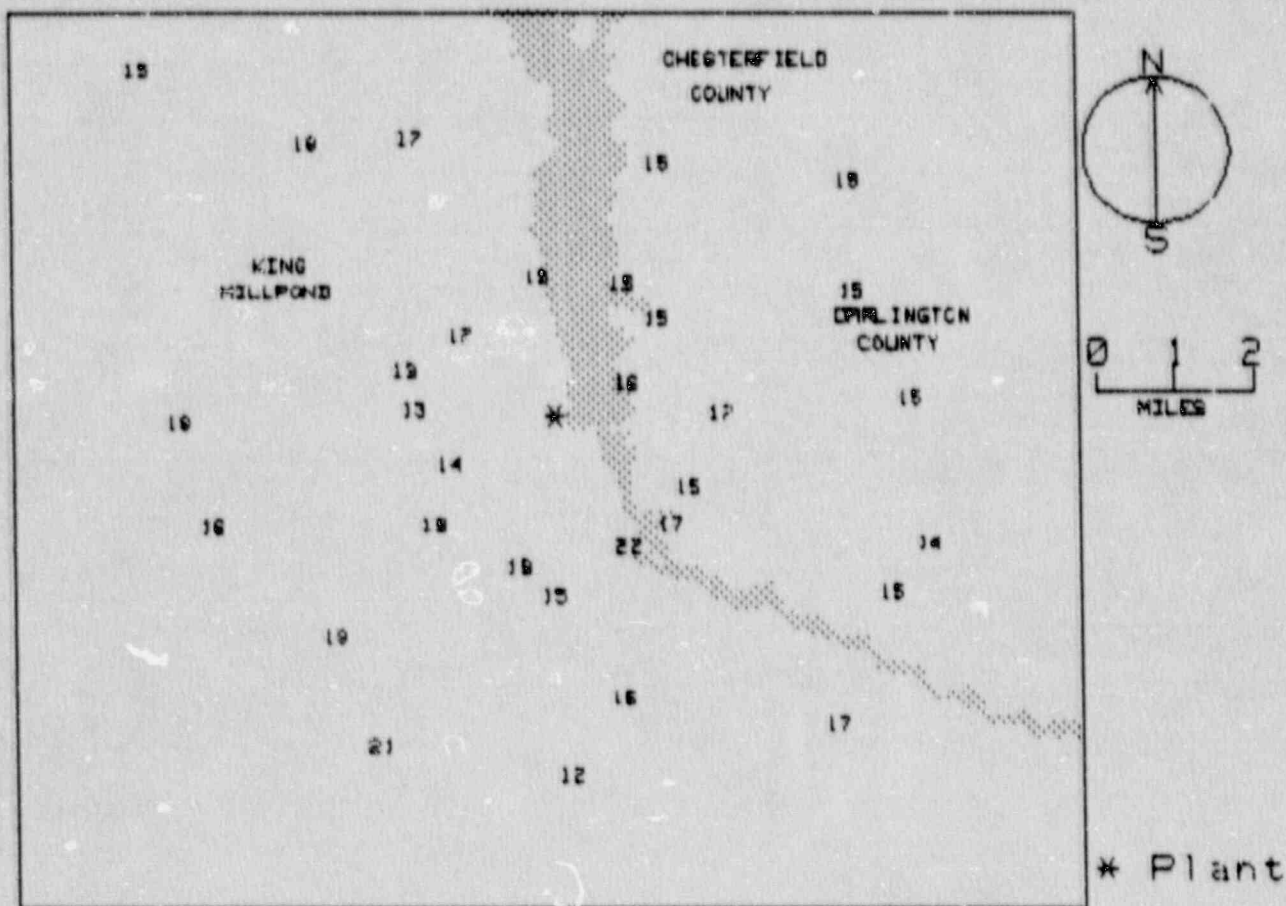
ROBINSON  
FOR THE PERIOD 900317-900727

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

DIRECTION (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
348.75-11.25 (N)	17.1 $\pm$ 2.4	2
11.25-33.75 (NNE)	15.4 $\pm$ .1	2
33.75-56.25 (NE)	16.8 $\pm$ 2.6	2
56.25-78.75 (ENE)	15.5 $\pm$ 1.3	2
78.75-101.25 (E)	16.3 $\pm$ 1.7	2
101.25-123.75 (ESE)	14.5 $\pm$ .2	3
123.75-146.25 (SE)	17.1 $\pm$ .2	2
146.25-168.75 (SSE)	19.3 $\pm$ 4.1	2
168.75-191.25 (S)	14.0 $\pm$ 1.8	3
191.25-213.75 (SSW)	19.0 $\pm$ 1.9	3
213.75-236.25 (SW)	19.0 $\pm$ .3	2
236.25-258.75 (WSW)	15.2 $\pm$ 1.7	2
258.75-281.25 (W)	15.5 $\pm$ 3.2	3
281.25-303.75 (WNW)	17.2 $\pm$ 6.0	2
303.75-326.25 (NW)	16.6 $\pm$ 1.6	3
326.25-348.75 (NNW)	16.5 $\pm$ 0.0	1

DISTANCE (mi) FROM THE REACTOR	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
0-2	15.9 $\pm$ 2.5	13
2-5	17.0 $\pm$ 2.5	19
>5	15.8 $\pm$ 1.5	4
UPWIND CONTROL DATA	14.6 $\pm$ .8	3

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



ST. LUCIE  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 900314-900726 135 DAYS  
 FIELD TIME 113 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	17.3	+-	.5 ; 2.6	13.8	+-	.4 ; 3.2
002	45	0.2	18.8	+-	.6 ; 2.8	15.0	+-	.5 ; 3.4
003	67	0.2	17.3	+-	.5 ; 2.6	13.7	+-	.4 ; 3.2
004	92	0.3	17.1	+-	.5 ; 2.6	13.6	+-	.4 ; 3.2
005	115	0.4	17.0	+-	.5 ; 2.5	13.5	+-	.4 ; 3.2
006	143	1.1	15.0	+-	.5 ; 2.3	11.9	+-	.4 ; 3.1
007	150	2.0	13.4	+-	.4 ; 2.0	10.6	+-	.4 ; 3.0
008	154	4.7	16.1	+-	.5 ; 2.4	12.8	+-	.4 ; 3.1
009	152	23	16.4	+-	.5 ; 2.5	13.1	+-	.4 ; 3.2
010	152	23	16.4	+-	.5 ; 2.5	13.0	+-	.4 ; 3.2
011	152	23	17.3	+-	.5 ; 2.6	13.8	+-	.4 ; 3.2
012	168	14.	15.6	+-	.5 ; 2.3	12.4	+-	.4 ; 3.1
013	185	10.	16.6	+-	.5 ; 2.5	13.2	+-	.4 ; 3.2
014	183	11.	19.4	+-	.6 ; 2.9	15.5	+-	.5 ; 3.4
015	170	8.0	15.7	+-	.5 ; 2.3	12.5	+-	.4 ; 3.1
016	196	7.0	16.9	+-	.5 ; 2.5	13.5	+-	.4 ; 3.2
017	229	7.9	18.1	+-	.5 ; 2.7	14.4	+-	.5 ; 3.3
018	250	6.6	16.3	+-	.5 ; 2.4	13.0	+-	.4 ; 3.2
019	247	4.8	17.2	+-	.5 ; 2.6	13.7	+-	.4 ; 3.2
020	229	5.0	17.2	+-	.5 ; 2.6	13.7	+-	.4 ; 3.2
021	208	3.8	16.8	+-	.5 ; 2.5	13.3	+-	.4 ; 3.2
022	187	3.8	MISSING OR DAMAGED DOSIMETER					
023	203	2.6	17.0	+-	.5 ; 2.6	13.5	+-	.4 ; 3.2
024	245	1.9	16.7	+-	.5 ; 2.5	13.3	+-	.4 ; 3.2
025	280	2.2	16.4	+-	.5 ; 2.5	13.1	+-	.4 ; 3.2
026	299	3.1	17.2	+-	.5 ; 2.6	13.7	+-	.4 ; 3.2
027	305	3.8	16.6	+-	.5 ; 2.5	13.2	+-	.4 ; 3.2
028	276	4.0	16.1	+-	.5 ; 2.4	12.8	+-	.4 ; 3.1
029	293	5.0	16.1	+-	.5 ; 2.4	12.8	+-	.4 ; 3.1
030	316	7.7	16.1	+-	.5 ; 2.4	12.8	+-	.4 ; 3.1
032	300	11.	17.2	+-	.5 ; 2.6	13.7	+-	.4 ; 3.2
033	322	8.7	16.6	+-	.5 ; 2.5	13.2	+-	.4 ; 3.2
034	339	8.8	17.6	+-	.5 ; 2.6	14.0	+-	.4 ; 3.3
035	342	2.9	MISSING OR DAMAGED DOSIMETER					
036	346	1.9	17.6	+-	.5 ; 2.6	14.0	+-	.4 ; 3.3
037	353	1.0	17.0	+-	.5 ; 2.6	13.5	+-	.4 ; 3.2
038	226	2.0	16.2	+-	.5 ; 2.4	12.9	+-	.4 ; 3.2
TRANSIT DOSE = 0.0 +- .2 ; 3.1								

ST. LUCIE  
FOR THE PERIOD 900314-900726

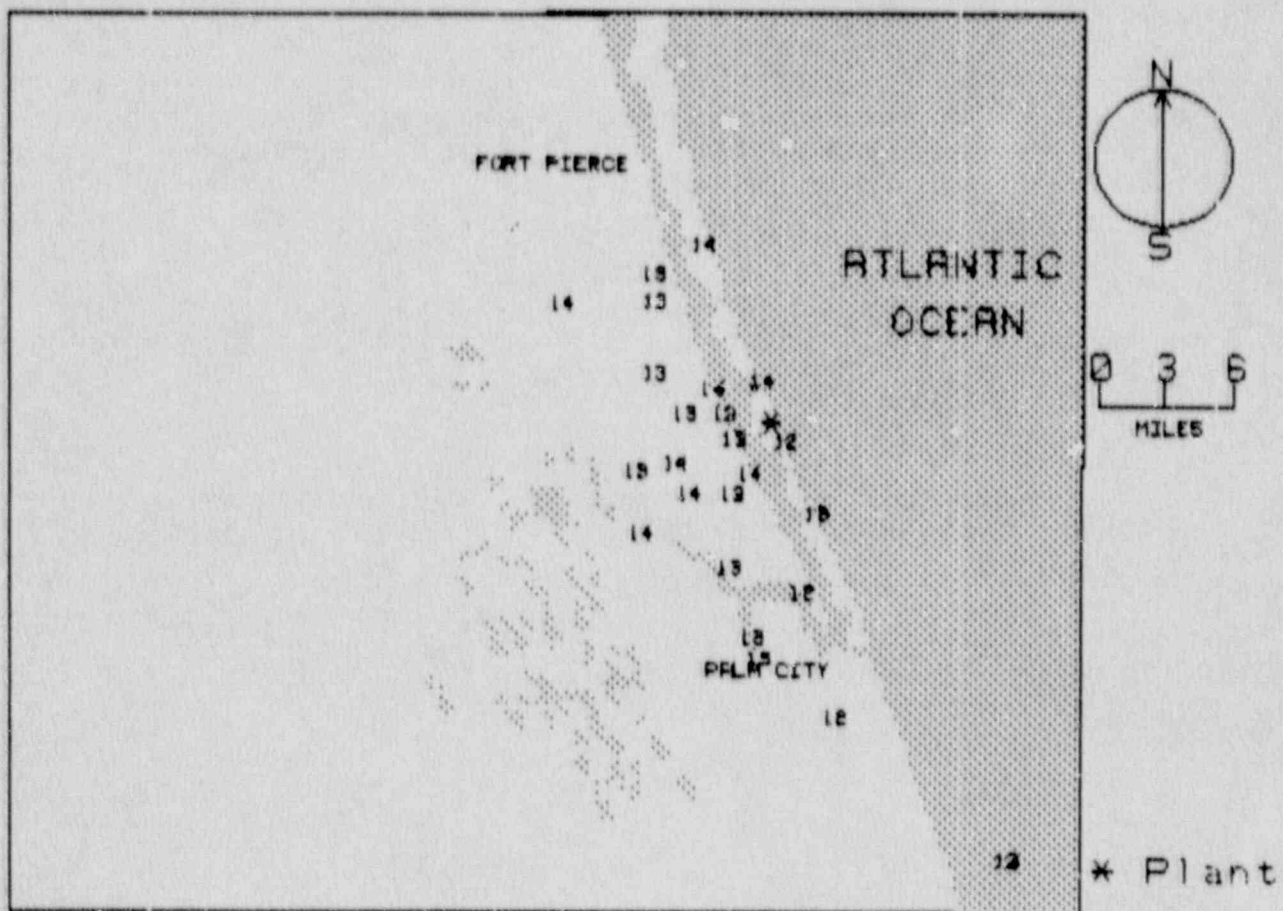
## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	◆ IN GROUP
348.75-11.25 (N)	13.5 $\pm$ 0.0	1
11.25-33.75 (NNE)	13.8 $\pm$ 0.0	1
33.75-56.25 (NE)	15.0 $\pm$ 0.0	1
56.25-78.75 (ENE)	13.7 $\pm$ 0.0	1
78.75-101.25 (E)	13.6 $\pm$ 0.0	1
101.25-123.75 (ESE)	13.5 $\pm$ 0.0	1
123.75-146.25 (SE)	11.9 $\pm$ 0.0	1
146.25-168.75 (SSE)	11.8 $\pm$ 1.1	3
168.75-191.25 (S)	13.7 $\pm$ 1.6	3
191.25-213.75 (SSW)	13.4 $\pm$ .1	3
213.75-236.25 (SW)	13.6 $\pm$ .8	3
236.25-258.75 (WSW)	13.3 $\pm$ .3	3
258.75-281.25 (W)	12.9 $\pm$ .2	2
281.25-303.75 (WNW)	13.4 $\pm$ .5	3
303.75-326.25 (NW)	13.1 $\pm$ .2	3
326.25-348.75 (NNW)	14.0 $\pm$ .6	2

DISTANCE(mi) FROM THE REACTOR	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	◆ IN GROUP
0-2	13.3 $\pm$ 1.1	11
2-5	13.3 $\pm$ .4	9
>5	13.4 $\pm$ .8	12
UPWIND CONTROL DATA	13.3 $\pm$ .4	3



# NRC TLD DOSES FOR ST. LUCIE AREF (mR per 90 days)



## SALEM

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 900318-900724 129 DAYS  
 FIELD TIME 100 DAYS

NRC STATION	LOCATION		GROSS		NET EXPOSURE RATE	
	AZIMUTH (deg.)	DIST (mi.)	EXPOSURE(mR) +- Rdm;Tot.		mR/Std.Qtr. +- Rdm;Tot.	
001	87	3.3	18.6 +- .6 ;	2.8	14.7 +- .6 ;	3.7
002	79	3.4	17.5 +- .5 ;	2.6	13.7 +- .6 ;	3.6
003	72	3.6	19.5 +- .6 ;	2.9	15.5 +- .6 ;	3.8
004	58	4.2	21.1 +- .6 ;	3.2	16.9 +- .6 ;	4.0
005	54	4.9	15.9 +- .5 ;	2.4	12.3 +- .5 ;	3.5
006	68	8.6	16.3 +- .5 ;	2.4	12.6 +- .5 ;	3.5
007	48	5.7	17.2 +- .5 ;	2.6	13.4 +- .5 ;	3.6
008	116	12.	16.8 +- .5 ;	2.5	13.1 +- .5 ;	3.6
010	8	5.8	MISSING OR DAMAGED DOSIMETER			
011	15	8.1	16.6 +- .5 ;	2.5	12.9 +- .5 ;	3.6
012	24	8.6	17.3 +- .5 ;	2.6	13.5 +- .5 ;	3.6
013	49	8.6	16.9 +- .5 ;	2.5	13.1 +- .5 ;	3.6
014	98	6.7	17.1 +- .5 ;	2.6	13.4 +- .5 ;	3.6
015	105	6.4	15.5 +- .5 ;	2.3	11.9 +- .5 ;	3.5
018	328	3.8	MISSING OR DAMAGED DOSIMETER			

TRANSIT DOSE = 2.3 +- .3 ; 3.1

## COMMENTS:

THIS STATION TLD EXCHANGE IS DIVIDED BETWEEN THE STATES OF  
 N.J. AND DEL. STATION 1-16 (N.J.), STATION 17-58 (DEL.)

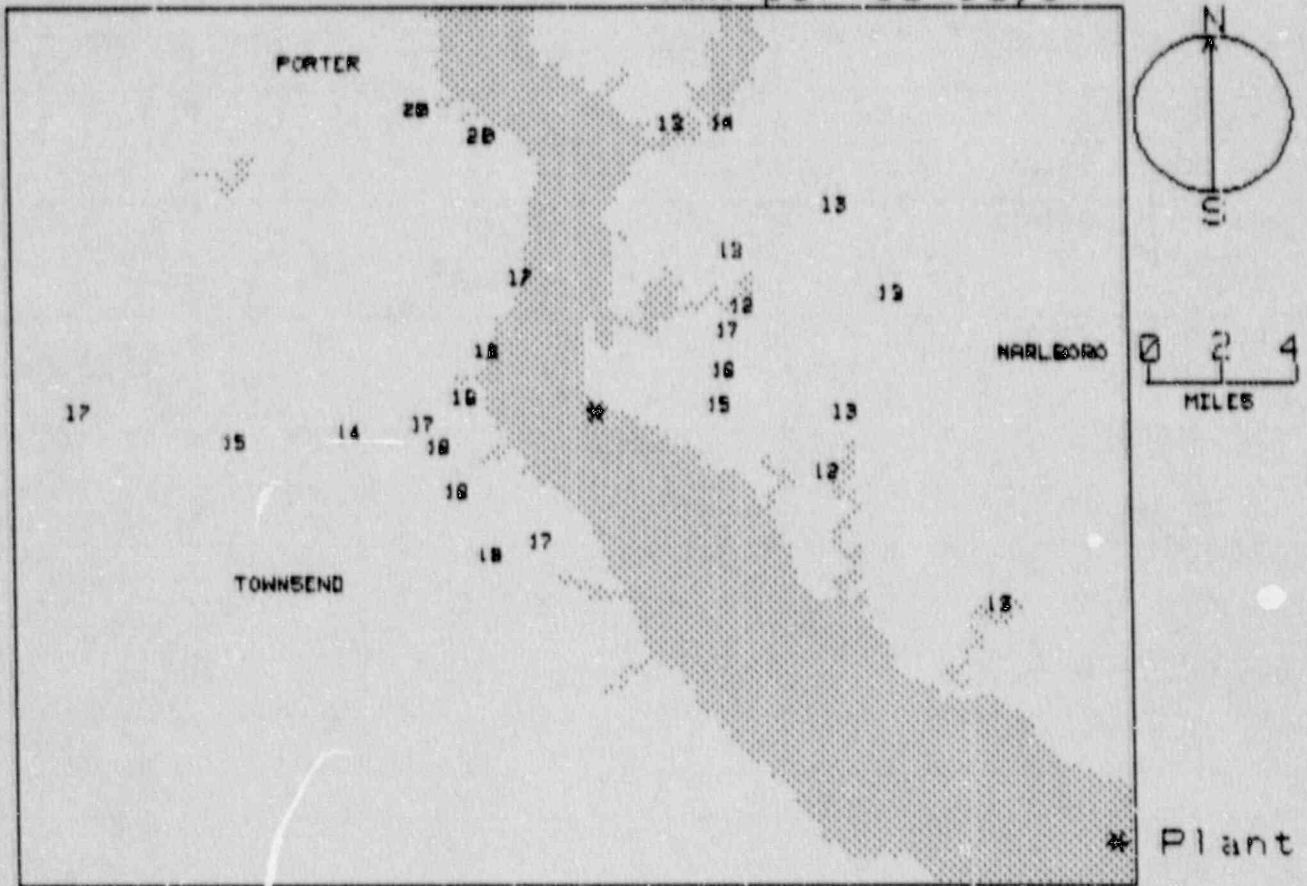
SALEM  
FOR THE PERIOD 900318-900724

## 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)	13.2 $\pm$ .4	2
33.75-56.25 (NE)	12.8 $\pm$ .6	3
56.25-78.75 (ENE)	15.0 $\pm$ 2.2	3
78.75-101.25 (E)	13.8 $\pm$ .7	3
101.25-123.75 (ESE)	12.5 $\pm$ .8	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	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
0-2	NO DATA+-NO DATA	0
2-5	14.6 $\pm$ 1.0	5
>5	13.0 $\pm$ .5	6
UPWIND CONTROL DATA	NO DATA	NO DATA

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



## SALEM

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 900318-900724 129 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.
017	331	4.2	20.2	.6 ; 3.0	16.5	.6 ; 3.9
018	320	3.8	MISSING OR DAMAGED DOSIMETER			
019	299	3.4	19.1	.6 ; 2.9	15.5	.6 ; 3.8
020	330	9.5	23.6	.7 ; 3.5	19.6	.7 ; 4.2
021	276	3.6	21.4	.6 ; 3.2	17.6	.6 ; 4.0
022	266	4.7	21.0	.6 ; 3.2	17.3	.6 ; 3.9
023	257	4.4	22.3	.7 ; 3.3	18.4	.7 ; 4.1
024	240	4.4	21.7	.6 ; 3.2	17.9	.6 ; 4.0
025	217	4.9	22.4	.7 ; 3.4	18.5	.7 ; 4.1
026	204	3.9	21.1	.6 ; 3.2	17.4	.6 ; 4.0
027	188	4.2	MISSING OR DAMAGED DOSIMETER			
028	319	20	19.7	.6 ; 2.9	16.1	.6 ; 3.8
029	265	6.7	17.5	.5 ; 2.6	14.1	.5 ; 3.6
030	353	12.	17.5	.5 ; 2.6	14.1	.5 ; 3.6
031	0	18	20.6	.6 ; 3.1	16.9	.6 ; 3.9
032	338	8.1	24.3	.7 ; 3.6	20.2	.7 ; 4.3
033	265	9.8	19.0	.6 ; 2.8	15.4	.6 ; 3.8
034	270	14.	20.3	.6 ; 3.0	16.6	.6 ; 3.9
TRANSIT DOSE =			1.8	+.3 ; 3.0		

## COMMENTS:

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

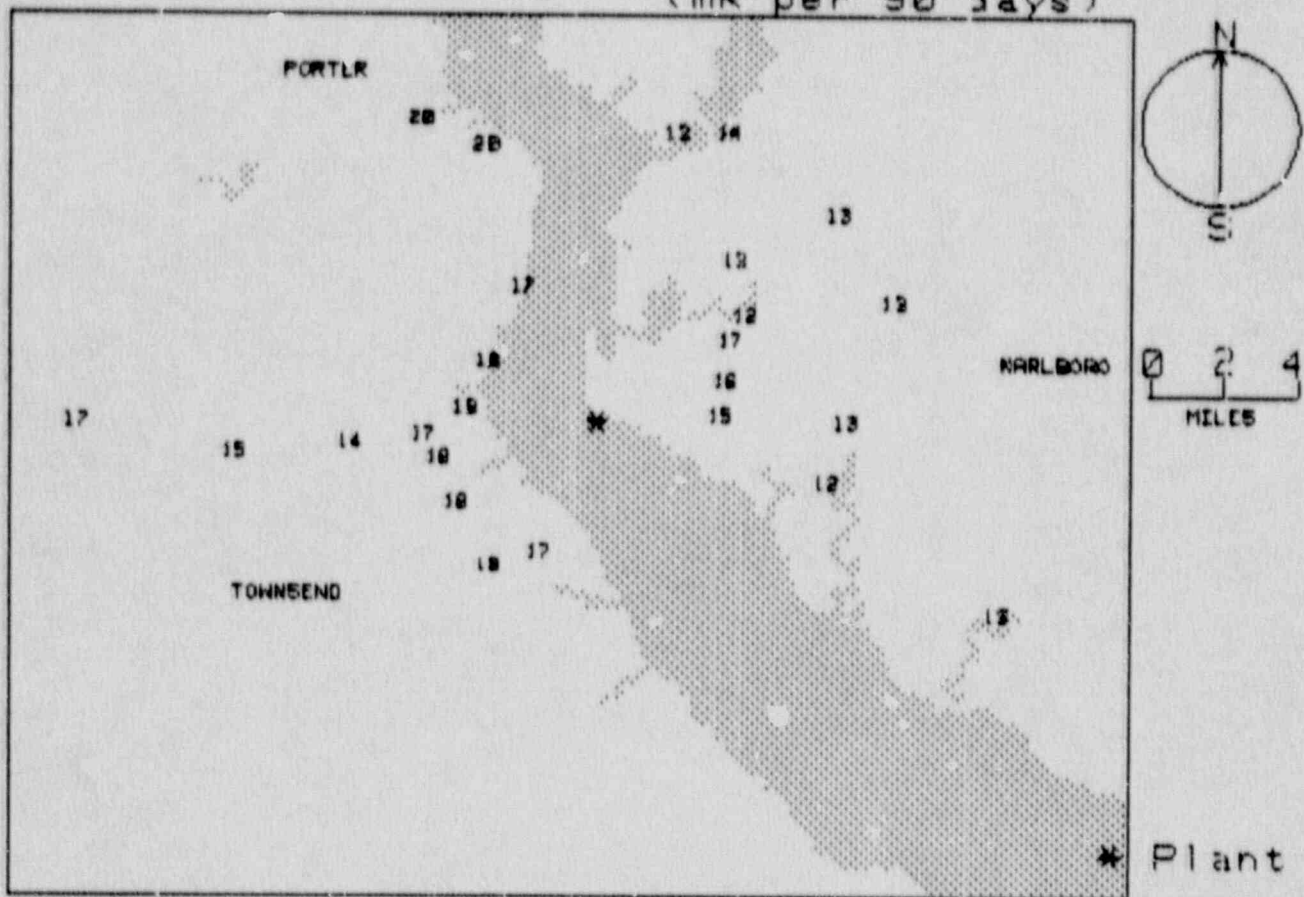
SALEM  
FOR THE PERIOD 900318-900724

## 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)	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)	17.4 $\pm$ 0.0	1
213.75-236.25 (SW)	18.5 $\pm$ 0.0	1
236.25-258.75 (WSW)	18.1 $\pm$ .4	2
258.75-281.25 (W)	16.2 $\pm$ 1.4	5
281.25-303.75 (WNW)	15.5 $\pm$ 0.0	1
303.75-326.25 (NW)	NO DATA+-NO DATA	0
326.25-348.75 (NNW)	18.8 $\pm$ 2.0	3

DISTANCE(mi) FROM THE REACTOR	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	◆ IN GROUP
0-2	NO DATA+-NO DATA	0
2-5	17.4 $\pm$ 1.0	8
>5	17.2 $\pm$ 2.6	5
UPWIND CONTROL DATA	15.7 $\pm$ 1.5	3

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



SAN ONOFRE  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 90J313-900802 143 DAYS  
 FIELD TIME 87 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)			NET EXPOSURE RATE		
	AZIMUTH (deg.)	DIST (mi.)	+- Rdm; Tot.			mR/Std. Dev. +- Rdm; Tot.		
001	346	35.	30.1	+-	.9 ; 4.5	21.6	+-	1.1 ; 5.8
002	346	35.	29.9	+-	.9 ; 4.5	21.4	+-	1.1 ; 5.8
003	346	35.	30.4	+-	.9 ; 4.6	22.8	+-	1.1 ; 5.9
004	327	11.	22.7	+-	.7 ; 3.4	14.0	+-	.9 ; 5.0
005	308	14.	15.0	+-	.8 ; 3.8	16.4	+-	.9 ; 5.2
006	307	10.	24.5	+-	.7 ; 3.7	15.8	+-	.9 ; 5.1
007	318	6.3	25.5	+-	.8 ; 3.8	16.8	+-	.9 ; 5.3
008	322	5.1	25.2	+-	.8 ; 3.8	16.5	+-	.9 ; 5.2
009	311	3.3	25.9	+-	.8 ; 3.9	17.3	+-	1.0 ; 5.3
010	331	3.3	25.9	+-	.8 ; 3.9	17.3	+-	.9 ; 5.3
011	300	2.6	27.3	+-	.8 ; 4.1	18.7	+-	1.0 ; 5.5
012	285	0.5	29.5	+-	.9 ; 4.4	21.0	+-	1.0 ; 5.7
013	320	2.4	24.4	+-	.7 ; 3.7	15.8	+-	.9 ; 5.1
014	320	1.7	23.5	+-	.7 ; 3.5	14.8	+-	.9 ; 5.0
015	333	1.2	24.8	+-	.7 ; 3.7	16.2	+-	.9 ; 5.2
016	30	1.9	26.4	+-	.8 ; 4.0	17.8	+-	1.0 ; 5.4
017	8	1.3	22.9	+-	.7 ; 3.4	14.1	+-	.9 ; 5.0
018	39	2.	28.0	+-	.8 ; 4.2	19.5	+-	1.0 ; 5.6
019	55	2.9	24.9	+-	.7 ; 3.7	16.3	+-	.9 ; 5.2
020	77	4.1	27.1	+-	.8 ; 4.1	18.5	+-	1.0 ; 5.5
021	87	4.7	27.0	+-	.8 ; 4.1	18.4	+-	1.0 ; 5.4
022	25	3.4	29.3	+-	.9 ; 4.4	20.8	+-	1.0 ; 5.7
023	357	3.5	26.3	+-	.8 ; 3.9	17.7	+-	1.0 ; 5.4
024	25	0.4	24.8	+-	.7 ; 3.7	16.2	+-	.9 ; 5.2
025	81	0.4	22.7	+-	.7 ; 3.4	13.9	+-	.9 ; 4.9
026	126	2.1	22.0	+-	.7 ; 3.3	13.3	+-	.9 ; 4.9
027	130	0.6	20.6	+-	.6 ; 3.1	11.8	+-	.8 ; 4.7
028	99	0.9	MISSING OR DAMAGED DOSIMETER					
029	135	11.	23.8	+-	.7 ; 3.6	15.1	+-	.9 ; 5.1
030	126	2.0	21.1	+-	.6 ; 3.2	12.3	+-	.8 ; 4.8
031	128	3.7	22.3	+-	.7 ; 3.3	13.6	+-	.9 ; 4.9
032	140	22.	24.1	+-	.7 ; 3.6	15.4	+-	.9 ; 5.1
033	120	26.	MISSING OR DAMAGED DOSIMETER					
TRANSIT DOSE =			9.2	+-	.5 ; 3.4			



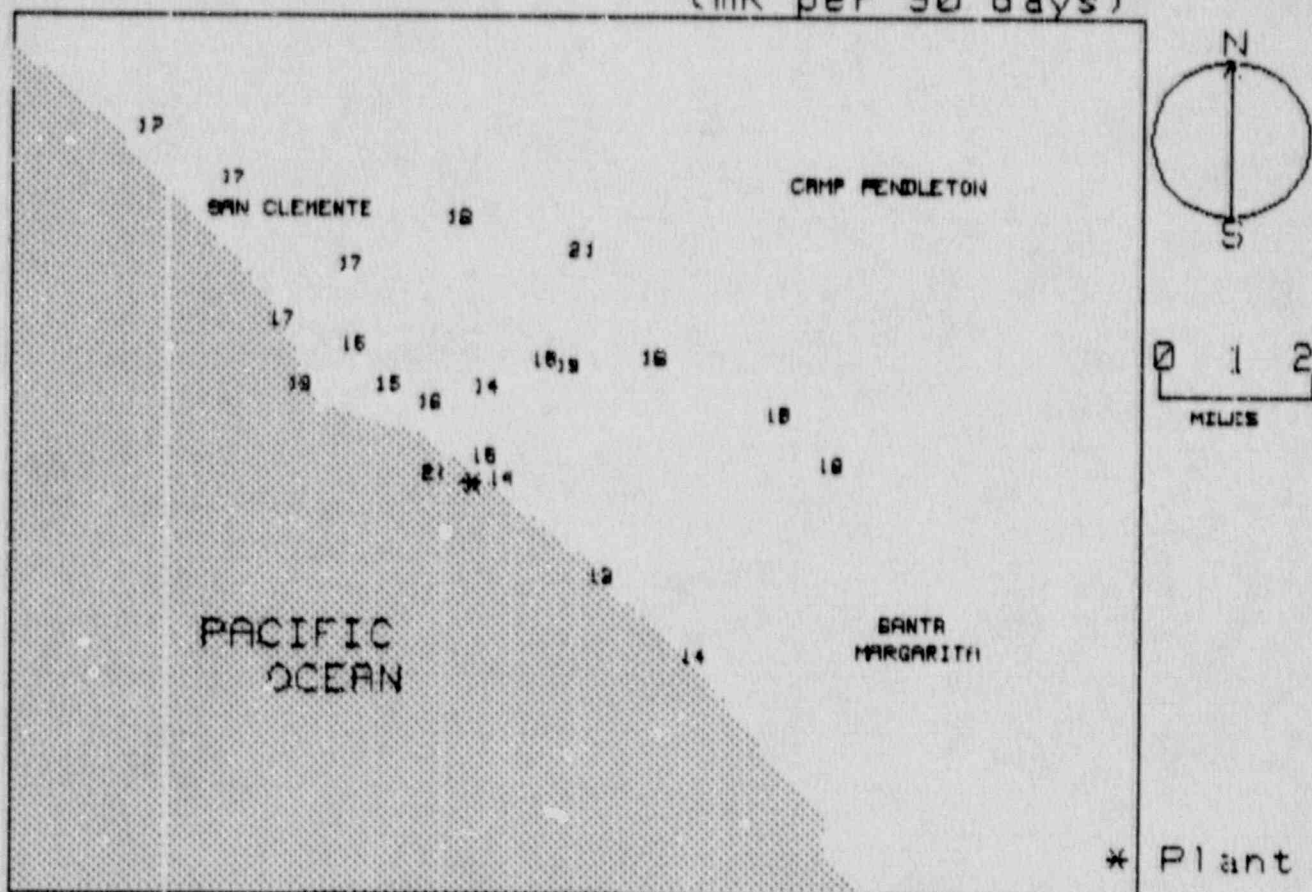
SAH ONDFRE  
FOR THE PERIOD 900313-900802

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
348.75-11.25 (N)	15.8 $\pm$ 2.5	2
11.25-33.75 (NNE)	18.3 $\pm$ 2.4	3
33.75-56.25 (NE)	17.8 $\pm$ 2.3	2
56.25-78.75 (ENE)	18.5 $\pm$ 0.6	1
78.75-101.25 (E)	16.2 $\pm$ 3.2	2
101.25-123.75 (ESE)	NO DATA--NO DATA	0
123.75-146.25 (SE)	13.6 $\pm$ 1.5	6
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)	19.8 $\pm$ 1.6	2
303.75-326.25 (NW)	16.2 $\pm$ .8	7
326.25-348.75 (NNW)	15.8 $\pm$ 1.7	3

DISTANCE (mi) FROM THE REACTOR	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
0-2	16.2 $\pm$ 2.6	9
2-5	17.1 $\pm$ 2.2	11
>5	15.2 $\pm$ 1.7	8
UPWIND CONTROL DATA	21.6 $\pm$ .3	3

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



SEABROOK  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 900318-900725 130 DAYS  
 FIELD TIME 92 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)			NET EXPOSURE RATE	
	AZIMUTH (deg.)	DIST (mi.)	+- Rdm; Tot.			mR/Std. Gtr. +- Rdm; Tot.	
001	157	0.7	20.6	+- .6	; 3.1	NO NET DATA	
002	179	.7	19.9	+- .6	; 3.0	NO NET DATA	
003	199	0.7	19.2	+- .6	; 2.9	NO NET DATA	
004	223	.9	21.7	+- .7	; 3.3	NO NET DATA	
005	244	1.2	19.8	+- .6	; 3.0	NO NET DATA	
006	293	1.0	20.3	+- .6	; 3.0	NO NET DATA	
007	275	0.5	20.7	+- .6	; 3.1	NO NET DATA	
008	317	2.8	21.5	+- .6	; 3.2	NO NET DATA	
009	331	1.6	22.6	+- .7	; 3.4	NO NET DATA	
010	358	1.9	20.2	+- .6	; 3.0	NO NET DATA	
011	20	2.6	20.9	+- .6	; 3.1	NO NET DATA	
012	50	2.1	19.5	+- .6	; 2.9	NO NET DATA	
013	82	1.7	20.2	+- .6	; 3.0	NO NET DATA	
014	43	4.1	21.8	+- .7	; 3.3	NO NET DATA	
015	0	4.0	21.5	+- .6	; 3.2	NO NET DATA	
016	20	12.	21.3	+- .6	; 3.2	NO NET DATA	
017	322	7.3	23.5	+- .7	; 3.5	NO NET DATA	
018	292	3.9	21.3	+- .6	; 3.2	NO NET DATA	
019	269	9.9	19.5	+- .6	; 2.9	NO NET DATA	
020	253	4.2	21.7	+- .7	; 3.3	NO NET DATA	
021	232	4.7	21.3	+- .6	; 3.2	NO NET DATA	
022	213	6.1	23.1	+- .7	; 3.5	NO NET DATA	
023	189	6.6	23.6	+- .7	; 3.5	NO NET DATA	
024	166	7.2	19.0	+- .6	; 2.8	NO NET DATA	
025	177	4.1	19.6	+- .6	; 2.9	NO NET DATA	
026	159	4.0	20.7	+- .6	; 3.1	NO NET DATA	
027	138	2.4	20.9	+- .6	; 3.1	NO NET DATA	
028	117	4.4	19.0	+- .6	; 2.9	NO NET DATA	
030	66	2.1	21.9	+- .7	; 3.3	NO NET DATA	
031	336	5.4	21.2	+- .6	; 3.2	NO NET DATA	
032	237	19.	22.8	+- .7	; 3.4	NO NET DATA	
033	237	19.	MISSING OR DAMAGED DOSIMETER				
034	237	19.	23.4	+- .7	; 3.5	NO NET DATA	
035	237	19.	21.5	+- .6	; 3.2	NO NET DATA	

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

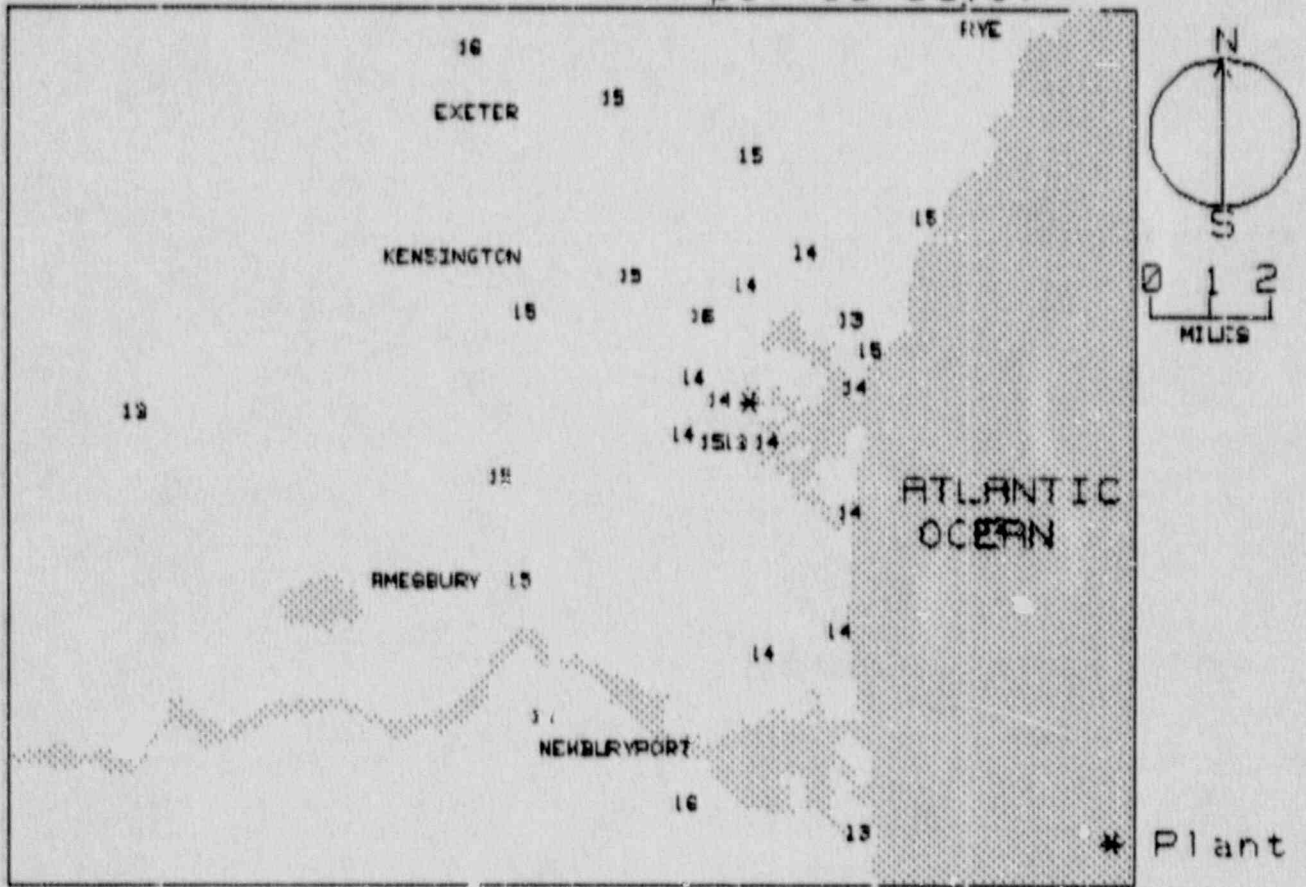
SEABROOK  
FOR THE PERIOD 900318-900725

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	$\phi$ IN GROUP
948.75-11.25 (N)	14.4 $\pm$ .6	2
11.25-33.75 (NNE)	14.6 $\pm$ .2	2
33.75-56.25 (NE)	14.8 $\pm$ 1.2	2
56.25-78.75 (ENE)	15.2 $\pm$ 0.0	1
78.75-101.25 (E)	14.0 $\pm$ 0.0	1
101.25-123.75 (ESE)	13.2 $\pm$ 0.0	1
123.75-146.25 (SE)	14.5 $\pm$ 0.0	1
146.25-168.75 (SSE)	13.8 $\pm$ .7	3
168.75-191.25 (S)	14.5 $\pm$ 1.5	3
191.25-213.75 (SSW)	14.6 $\pm$ 1.9	2
213.75-236.25 (SW)	14.8 $\pm$ .0	2
236.25-258.75 (WSW)	14.5 $\pm$ .7	3
258.75-281.25 (W)	13.9 $\pm$ .6	2
281.25-303.75 (WNW)	14.4 $\pm$ .5	2
303.75-326.25 (NW)	15.5 $\pm$ 1.0	2
326.25-348.75 (NNW)	15.1 $\pm$ .7	2

DISTANCE(mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	$\phi$ IN GROUP
0-2	14.2 $\pm$ .7	10
2-5	14.5 $\pm$ .7	13
>5	14.8 $\pm$ 1.2	8
UPWIND CONTROL DATA	16.0 $\pm$ .3	2

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



SEQUOYAH  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 900317-900726 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	218	12.	19.6	+- .6	; 2.9	16.4	+- .7	; 4.0
002	206	13.	16.8	+- .5	; 2.5	13.6	+- .6	; 3.7
003	203	3.9	23.9	+- .7	; 3.6	20.6	+- .8	; 4.5
004	199	2.0	20.0	+- .6	; 3.0	16.8	+- .7	; 4.1
005	181	1.4	22.8	+- .7	; 3.4	19.5	+- .7	; 4.4
006	153	1.5	19.5	+- .6	; 2.9	16.3	+- .6	; 4.0
007	139	1.9	18.4	+- .6	; 2.8	15.3	+- .6	; 3.9
008	115	1.8	18.8	+- .6	; 2.8	15.6	+- .6	; 3.9
009	84	1.6	16.3	+- .5	; 2.4	13.2	+- .6	; 3.7
010	66	1.3	18.9	+- .6	; 2.8	15.7	+- .6	; 4.0
011	45	1.5	20.4	+- .6	; 3.1	17.2	+- .7	; 4.1
012	14	2.0	22.1	+- .7	; 3.3	18.9	+- .7	; 4.3
013	2.0	2.1	21.9	+- .7	; 3.3	18.6	+- .7	; 4.3
014	19	3.9	19.3	+- .6	; 2.9	16.1	+- .6	; 4.0
015	48	4.0	16.2	+- .5	; 2.4	13.1	+- .6	; 3.7
016	65	4.9	18.8	+- .6	; 2.8	15.6	+- .6	; 4.0
017	90	3.9	21.6	+- .6	; 3.2	18.3	+- .7	; 4.2
018	111	3.4	20.5	+- .6	; 3.1	17.3	+- .7	; 4.1
019	135	3.4	20.4	+- .6	; 3.1	17.2	+- .7	; 4.1
020	158	3.4	19.5	+- .6	; 2.9	16.3	+- .6	; 4.0
021	184	4.6	24.5	+- .7	; 3.7	21.2	+- .8	; 4.6
022	233	11.	18.4	+- .6	; 2.8	15.3	+- .6	; 3.9
023	219	4.9	21.3	+- .6	; 3.2	18.0	+- .7	; 4.2
024	241	4.3	18.7	+- .6	; 2.8	15.5	+- .6	; 3.9
025	235	2.0	16.0	+- .5	; 2.4	12.9	+- .6	; 3.7
026	248	1.5	MISSING OR DAMAGED DOSIMETER					
027	266	1.2	18.1	+- .5	; 2.7	14.9	+- .6	; 3.9
028	291	1.2	MISSING OR DAMAGED DOSIMETER					
029	309	1.2	20.0	+- .6	; 3.0	16.8	+- .7	; 4.1
030	330	0.5	20.0	+- .6	; 3.0	16.8	+- .7	; 4.1
031	339	1.8	20.1	+- .6	; 3.0	16.9	+- .7	; 4.1
032	355	4.9	18.1	+- .5	; 2.7	15.0	+- .6	; 3.9
033	334	3.6	17.3	+- .5	; 2.6	14.2	+- .6	; 3.8
034	317	4.4	20.3	+- .6	; 3.0	17.1	+- .7	; 4.1
035	277	5.6	20.2	+- .6	; 3.0	17.0	+- .7	; 4.1
036	283	3.6	18.3	+- .5	; 2.7	15.2	+- .6	; 3.9
037	273	4.4	18.7	+- .6	; 2.8	15.5	+- .6	; 3.9
038	302	19.	18.7	+- .6	; 2.8	15.5	+- .6	; 3.9
039	290	18	19.6	+- .6	; 2.9	16.4	+- .7	; 4.0
040	289	18	18.4	+- .6	; 2.8	15.3	+- .6	; 3.9
041	318	6.1	19.1	+- .6	; 2.9	15.9	+- .6	; 4.0
TRANSIT DOSE =			2.8	+- .3	; 2.9			

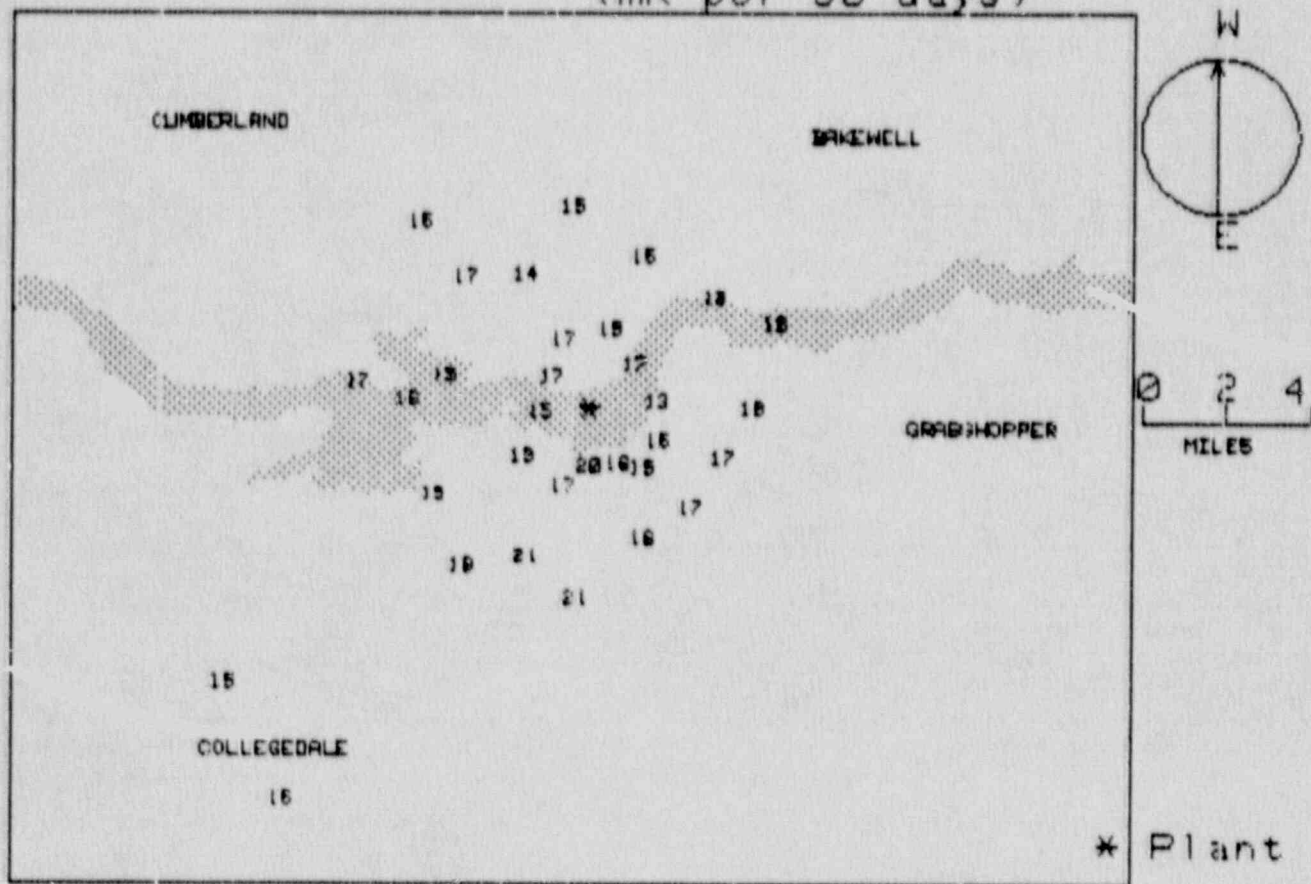
SEQUOYAH  
FOR THE PERIOD 900317-900726

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	◆ IN GROUP
348.75-11.25 (N)	16.8 $\pm$ 2.6	2
11.25-33.75 (NNE)	17.5 $\pm$ 2.0	2
33.75-56.25 (NE)	15.2 $\pm$ 2.9	2
56.25-78.75 (ENE)	15.7 $\pm$ .1	2
78.75-101.25 (E)	15.8 $\pm$ 3.6	2
101.25-123.75 (ESE)	16.4 $\pm$ 1.2	2
123.75-146.25 (SE)	16.2 $\pm$ 1.3	2
146.25-168.75 (SSE)	16.3 $\pm$ 0.0	2
168.75-191.25 (S)	20.4 $\pm$ 1.2	2
191.25-213.75 (SSW)	17.0 $\pm$ 3.5	3
213.75-236.25 (SW)	15.6 $\pm$ 2.2	4
236.25-258.75 (WSW)	15.5 $\pm$ 0.0	1
258.75-281.25 (W)	15.8 $\pm$ 1.1	3
281.25-303.75 (WNW)	15.2 $\pm$ 0.0	1
303.75-326.25 (NW)	16.0 $\pm$ .6	3
326.25-348.75 (NNW)	15.8 $\pm$ 1.5	3

DISTANCE(mi) FROM THE REACTOR	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	◆ IN GROUP
0-2	16.2 $\pm$ 1.6	14
2-5	16.8 $\pm$ 2.1	17
>5	15.6 $\pm$ 1.3	5
UPWIND CONTROL DATA	15.7 $\pm$ .6	3

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





SHOREHAM  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 900318-900725 130 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	262	10	17.2 +- .5	; 2.6	13.0 +- .6	; 3.8
002	268	4.4	MISSING OR DAMAGED DOSIMETER			
003	256	3.2	18.3 +- .5	; 2.7	14.1 +- .6	; 3.9
004	268	2.1	18.0 +- .5	; 2.7	13.8 +- .6	; 3.9
005	243	1.7	18.1 +- .5	; 2.7	13.9 +- .6	; 3.9
007	136	1.5	20.4 +- .6	; 3.1	16.1 +- .7	; 4.1
008	116	.9	20.8 +- .6	; 3.1	16.5 +- .7	; 4.2
009	91	.8	17.5 +- .5	; 2.6	13.3 +- .6	; 3.9
010	73	.7	14.9 +- .4	; 2.2	10.8 +- .5	; 3.6
011	62	.7	15.1 +- .5	; 2.3	11.0 +- .5	; 3.6
012	75	1.6	18.4 +- .6	; 2.8	14.2 +- .6	; 3.9
013	88	2.1	18.5 +- .6	; 2.8	14.3 +- .6	; 4.0
014	119	4.6	16.6 +- .5	; 2.5	12.5 +- .6	; 3.8
015	110	10.	18.8 +- .6	; 2.8	14.5 +- .6	; 4.0
016	138	14.	17.0 +- .5	; 2.5	12.8 +- .6	; 3.8
017	162	12.	MISSING OR DAMAGED DOSIMETER			
018	174	11.	17.0 +- .5	; 2.5	12.8 +- .6	; 3.8
019	189	5.1	16.4 +- .5	; 2.5	12.3 +- .6	; 3.8
021	163	2.5	17.1 +- .5	; 2.6	12.9 +- .6	; 3.8
022	149	1.5	18.3 +- .5	; 2.7	14.1 +- .6	; 3.9
023	177	1.3	17.5 +- .5	; 2.6	13.3 +- .6	; 3.9
024	196	1.2	17.8 +- .5	; 2.6	12.8 +- .6	; 3.8
025	217	1.5	14.6 +- .4	; 2.2	10.5 +- .5	; 3.6
026	215	4.6	15.6 +- .5	; 2.3	11.5 +- .6	; 3.7
027	205	4.2	16.0 +- .5	; 2.4	11.9 +- .6	; 3.7
028	233	11	17.2 +- .5	; 2.6	13.0 +- .6	; 3.8
029	224	13.	MISSING OR DAMAGED DOSIMETER			
030	202	14.	17.9 +- .5	; 2.7	13.7 +- .6	; 3.9
031	210	15.	16.6 +- .5	; 2.5	12.4 +- .6	; 3.8
032	210	15.	16.9 +- .5	; 2.5	12.7 +- .6	; 3.8
033	210	15.	15.4 +- .5	; 2.3	11.2 +- .6	; 3.7
034	27	.2	13.4 +- .4	; 2.0	9.3 +- .5	; 3.5
035	50	.3	18.5 +- .6	; 2.8	14.3 +- .6	; 4.0
036	133	3.9	18.7 +- .6	; 2.8	14.5 +- .6	; 4.0
TRANSIT DOSE =			3.7 +- .3	; 3.0		

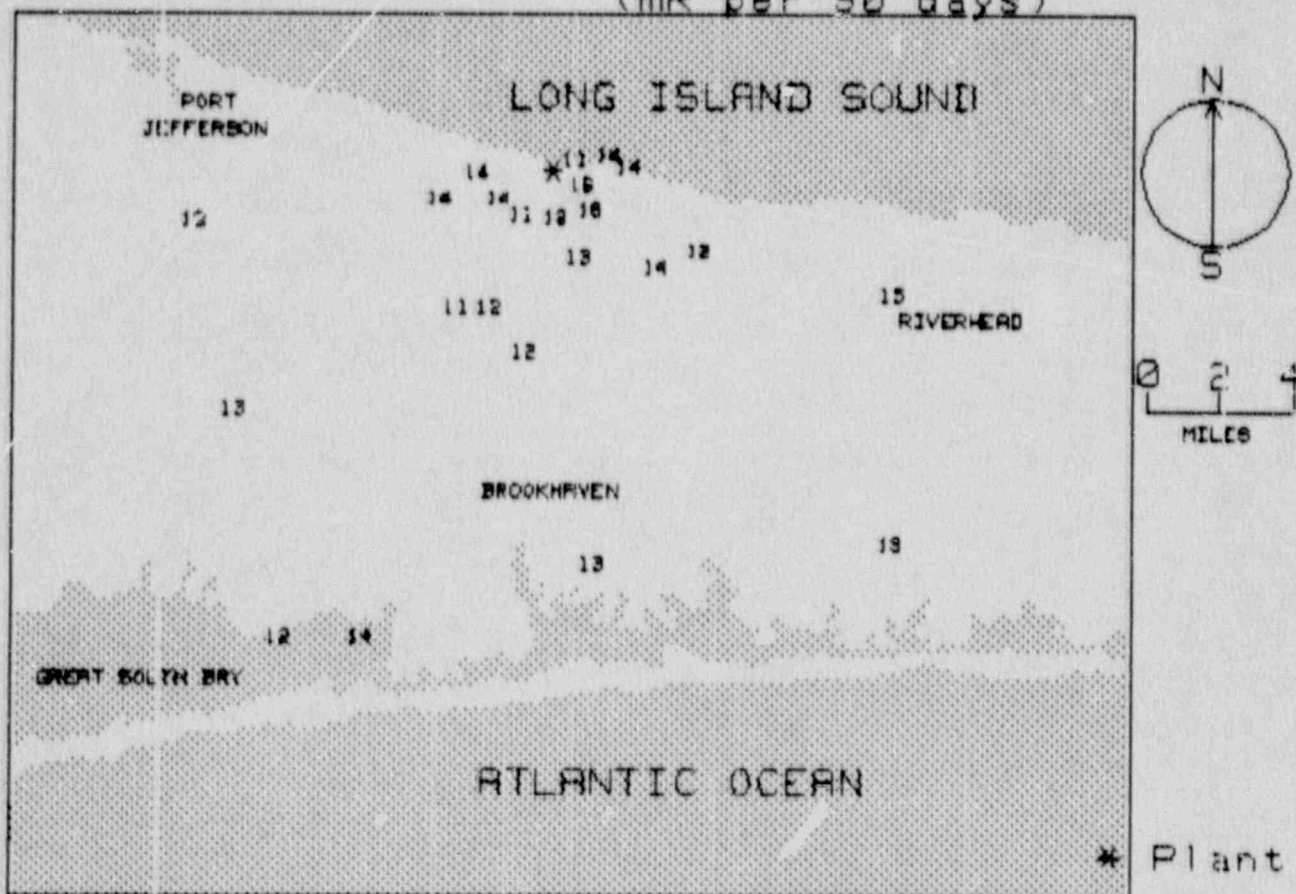
SHOREHAM  
FOR THE PERIOD 900310-900725

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

RZIMUTH (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)	9.3 $\pm$ 0.0	1
33.75-56.25 (NE)	14.3 $\pm$ 0.0	1
56.25-78.75 (ENE)	12.0 $\pm$ 1.9	3
78.75-101.25 (E)	13.8 $\pm$ .7	2
101.25-123.75 (ESE)	14.5 $\pm$ 2.0	3
123.75-146.25 (SE)	14.5 $\pm$ 1.6	3
146.25-168.75 (SSE)	13.5 $\pm$ .9	2
168.75-191.25 (S)	12.8 $\pm$ .5	3
191.25-213.75 (SSW)	12.8 $\pm$ .8	3
213.75-236.25 (SW)	11.7 $\pm$ 1.2	3
236.25-258.75 (WSW)	14.0 $\pm$ .1	2
258.75-281.25 (W)	13.4 $\pm$ .5	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 (mi) FROM THE REACTOR	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	◆ IN GROUP
0-2	13.1 $\pm$ 2.1	13
2-5	13.2 $\pm$ 1.1	8
>5	13.2 $\pm$ .7	7
UPWIND CONTROL DATA	12.1 $\pm$ .8	3

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



S. TEXAS  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 900313-900315 156 DAYS  
 FIELD TIME 120 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE(mR)		NET EXPOSURE RATE	
	AZIMUTH (deg.)	DIST (mi.)	+ - Rdm; Tot.		mR/Std. Qtr. + - Rdm; Tot.	
001	90	1	23.7 +- .7	; 3.5	16.2 +- .6	; 3.8
002	63	1	25.8 +- .8	; 3.9	17.8 +- .6	; 4.0
003	40	1	MISSING OR DAMAGED DOSIMETER			
004	19	1	MISSING OR DAMAGED DOSIMETER			
005	4	.9	23.5 +- .7	; 3.5	16.1 +- .6	; 3.8
006	339	.9	24.8 +- .7	; 3.7	17.1 +- .6	; 3.9
007	318	1	22.4 +- .7	; 3.4	15.2 +- .6	; 3.7
008	294	1.1	27.8 +- .8	; 4.2	19.3 +- .7	; 4.2
009	267	1.3	26.8 +- .8	; 4.0	18.5 +- .7	; 4.1
010	126	.3	22.0 +- .7	; 3.3	14.9 +- .6	; 3.7
011	180	.1	21.7 +- .7	; 3.3	14.7 +- .6	; 3.7
012	257	.5	MISSING OR DAMAGED DOSIMETER			
013	262	.9	21.5 +- .6	; 3.2	14.6 +- .6	; 3.6
014	250	1.3	22.8 +- .7	; 3.4	15.5 +- .6	; 3.7
015	227	2.4	20.6 +- .6	; 3.1	13.9 +- .5	; 3.6
016	210	3.7	19.4 +- .6	; 2.9	13.0 +- .5	; 3.5
017	175	3.6	20.1 +- .6	; 3.0	13.5 +- .5	; 3.6
018	158	3.7	21.6 +- .6	; 3.2	14.7 +- .6	; 3.7
019	143	3.3	20.6 +- .6	; 3.1	13.9 +- .5	; 3.6
020	122	2.3	21.4 +- .6	; 3.2	14.5 +- .6	; 3.6
021	121	1.1	20.4 +- .6	; 3.1	13.7 +- .5	; 3.6
022	257	2.5	23.2 +- .7	; 3.5	15.8 +- .6	; 3.8
023	262	4.5	28.2 +- .8	; 4.2	19.6 +- .7	; 4.2
024	282	4.7	MISSING OR DAMAGED DOSIMETER			
025	304	5.8	23.9 +- .7	; 3.6	16.4 +- .6	; 3.8
026	242	5.4	23.5 +- .7	; 3.5	16.1 +- .6	; 3.8
027	223	5	23.4 +- .7	; 3.5	16.0 +- .6	; 3.8
028	236	9.6	20.8 +- .6	; 3.1	14.0 +- .5	; 3.6
029	259	10.	22.4 +- .7	; 3.4	15.3 +- .6	; 3.7
030	291	6.2	MISSING OR DAMAGED DOSIMETER			
031	323	7.8	25.4 +- .8	; 3.8	17.5 +- .6	; 4.0
032	335	7.4	MISSING OR DAMAGED DOSIMETER			
033	351	5.5	21.2 +- .6	; 3.2	14.4 +- .5	; 3.6
034	88	4.4	21.1 +- .6	; 3.2	14.3 +- .5	; 3.6
035	89	6.7	21.3 +- .6	; 3.2	14.4 +- .5	; 3.6
036	121	3.9	23.4 +- .7	; 3.5	16.0 +- .6	; 3.8
037	145	8.8	21.3 +- .6	; 3.2	14.4 +- .5	; 3.6
038	297	12.	22.0 +- .7	; 3.3	15.0 +- .6	; 3.7
039	321	9.3	24.7 +- .7	; 3.7	17.0 +- .6	; 3.9
040	353	12.	21.4 +- .6	; 3.2	14.5 +- .6	; 3.6
041	18	13.	22.2 +- .7	; 3.3	15.1 +- .6	; 3.7
042	21	5.7	24.3 +- .7	; 3.6	16.7 +- .6	; 3.9
043	39	5.8	25.1 +- .8	; 3.8	17.3 +- .6	; 3.9
044	53	5.1	28.7 +- .9	; 4.3	20.0 +- .7	; 4.2
045	69	7.3	22.1 +- .7	; 3.3	15.0 +- .6	; 3.7
046	66	17.	28.0 +- .8	; 4.2	19.4 +- .7	; 4.2

TRANSIT DOSE = 2.1 +- .4 ; 3.7

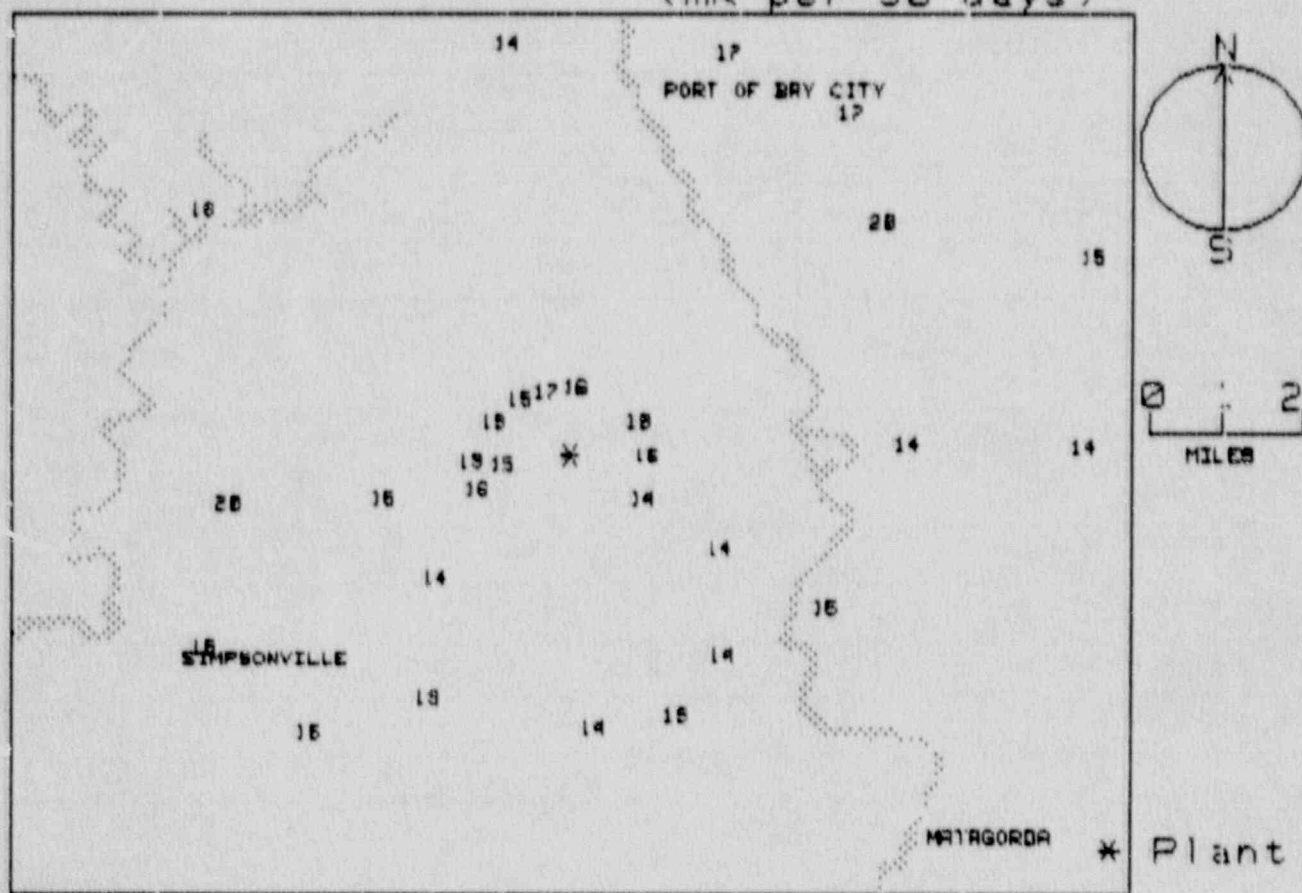
S. TEXAS  
FOR THE PERIOD 900313-900815

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	♦ IN GROUP
348.75-11.25 (N)	15.2 $\pm$ 1.2	2
11.25-33.75 (NNE)	16.7 $\pm$ 0.0	1
33.75-56.25 (NE)	18.6 $\pm$ 1.9	2
56.25-78.75 (ENE)	17.4 $\pm$ 2.2	3
78.75-101.25 (E)	15.0 $\pm$ 1.1	3
101.25-123.75 (ESE)	14.7 $\pm$ 1.2	3
123.75-146.25 (SE)	14.4 $\pm$ .5	3
146.25-168.75 (SSE)	14.7 $\pm$ 0.0	1
168.75-191.25 (S)	14.1 $\pm$ .8	2
191.25-213.75 (SSW)	13.0 $\pm$ 0.0	1
213.75-236.25 (SW)	14.6 $\pm$ 1.2	3
236.25-258.75 (WSW)	15.8 $\pm$ .3	3
258.75-281.25 (W)	17.0 $\pm$ 2.4	4
281.25-303.75 (WNW)	19.3 $\pm$ 0.0	1
303.75-326.25 (NW)	16.5 $\pm$ 1.0	4
326.25-348.75 (NNW)	17.1 $\pm$ 0.0	1

DISTANCE(mi) FROM THE REACTOR	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	♦ IN GROUP
0-2	16.1 $\pm$ 1.7	12
2-5	15.0 $\pm$ 1.0	11
>5	16.3 $\pm$ 1.9	14
UPWIND CONTROL DATA	14.8 $\pm$ .3	3

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



SUMMER

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 900317-200727 133 DAYS  
 FIELD TIME 72 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE(mR)		NET EXPOSURE RATE mR/Std.Qtr.	
	AZIMLTH/DIST (deg.)	(mi.)	+ Rdm; Tot.		+ Rdm; Tot.	
001	199	3.7	29.7 +- .9	; 4.5	22.9 +- 1.3	; 6.9
002	111	1.0	23.4 +- .7	; 3.5	15.1 +- 1.1	; 6.0
003	340	4.1	26.2 +- .8	; 3.9	18.6 +- 1.2	; 6.4
004	192	9.3	28.0 +- .8	; 4.2	20.8 +- 1.2	; 6.6
005	72	1.8	26.5 +- .8	; 4.0	18.9 +- 1.2	; 6.4
006	54	1.5	30.3 +- .9	; 4.5	23.6 +- 1.3	; 7.0
007	46	3.0	30.2 +- .9	; 4.5	23.6 +- 1.3	; 6.9
008	31	3.0	31.5 +- .9	; 4.7	25.1 +- 1.3	; 7.1
009	13	3.9	32.5 +- 1.0	; 4.9	26.4 +- 1.4	; 7.3
010	7	4.0	32.4 +- 1.0	; 4.9	26.3 +- 1.4	; 7.3
011	349	4.3	MISSING OR DAMAGED DOSIMETER			
012	323	5.0	28.4 +- .9	; 4.3	21.2 +- 1.2	; 6.7
013	333	3.0	31.4 +- .9	; 4.7	25.1 +- 1.3	; 7.1
014	255	2.0	23.0 +- .7	; 3.5	14.6 +- 1.1	; 5.9
015	308	5.6	31.4 +- .9	; 4.7	25.1 +- 1.3	; 7.1
016	64	3.5	32.0 +- 1.0	; 4.8	25.7 +- 1.4	; 7.2
017	98	3.1	30.6 +- .9	; 4.6	24.0 +- 1.3	; 7.0
018	114	3.5	29.8 +- .9	; 4.5	23.1 +- 1.3	; 6.9
019	132	2.0	26.7 +- .8	; 4.0	19.2 +- 1.2	; 6.4
020	152	4.5	20.5 +- .6	; 3.1	11.4 +- 1.0	; 5.6
021	133	4.1	23.5 +- .7	; 3.5	15.1 +- 1.1	; 6.0
022	157	2.4	25.6 +- .8	; 3.8	17.7 +- 1.2	; 6.3
023	173	2.4	29.0 +- .9	; 4.3	22.0 +- 1.3	; 6.8
024	185	3.9	26.8 +- .8	; 4.0	19.3 +- 1.2	; 6.4
025	210	3.3	25.8 +- .8	; 3.9	18.1 +- 1.2	; 6.3
026	217	3.3	25.5 +- .8	; 3.8	17.6 +- 1.2	; 6.2
027	231	3.1	21.5 +- .6	; 3.2	12.6 +- 1.0	; 5.7
028	267	2.7	20.0 +- .8	; 4.2	20.0 +- 1.2	; 6.6
029	276	3.4	29.2 +- .9	; 4.4	22.3 +- 1.3	; 6.8
030	293	3.0	27.2 +- .8	; 4.1	19.8 +- 1.2	; 6.5
031	244	3.6	22.6 +- .7	; 3.4	14.0 +- 1.1	; 5.8
032	247	6.2	20.7 +- .9	; 4.3	21.7 +- 1.3	; 6.7
033	218	9.0	26.3 +- .8	; 3.9	18.6 +- 1.2	; 6.4
034	192	9.3	27.1 +- .8	; 4.1	19.6 +- 1.2	; 6.5
035	184	14.	24.0 +- .7	; 3.6	15.8 +- 1.1	; 6.0
036	183	15	19.1 +- .6	; 2.9	9.7 +- 1.0	; 5.4
037	182	15	18.2 +- .5	; 2.7	8.6 +- .9	; 5.3
038	148	21	26.2 +- .8	; 3.9	18.5 +- 1.2	; 6.3
039	14	25.	24.8 +- .7	; 3.7	16.7 +- 1.1	; 6.1
040	135	23.	24.0 +- .7	; 3.6	15.7 +- 1.1	; 6.0
TRANSIT DOSE =			11.4 +- .5	; 3.2		

SUMMER  
FOR THE PERIOD 900317-900727

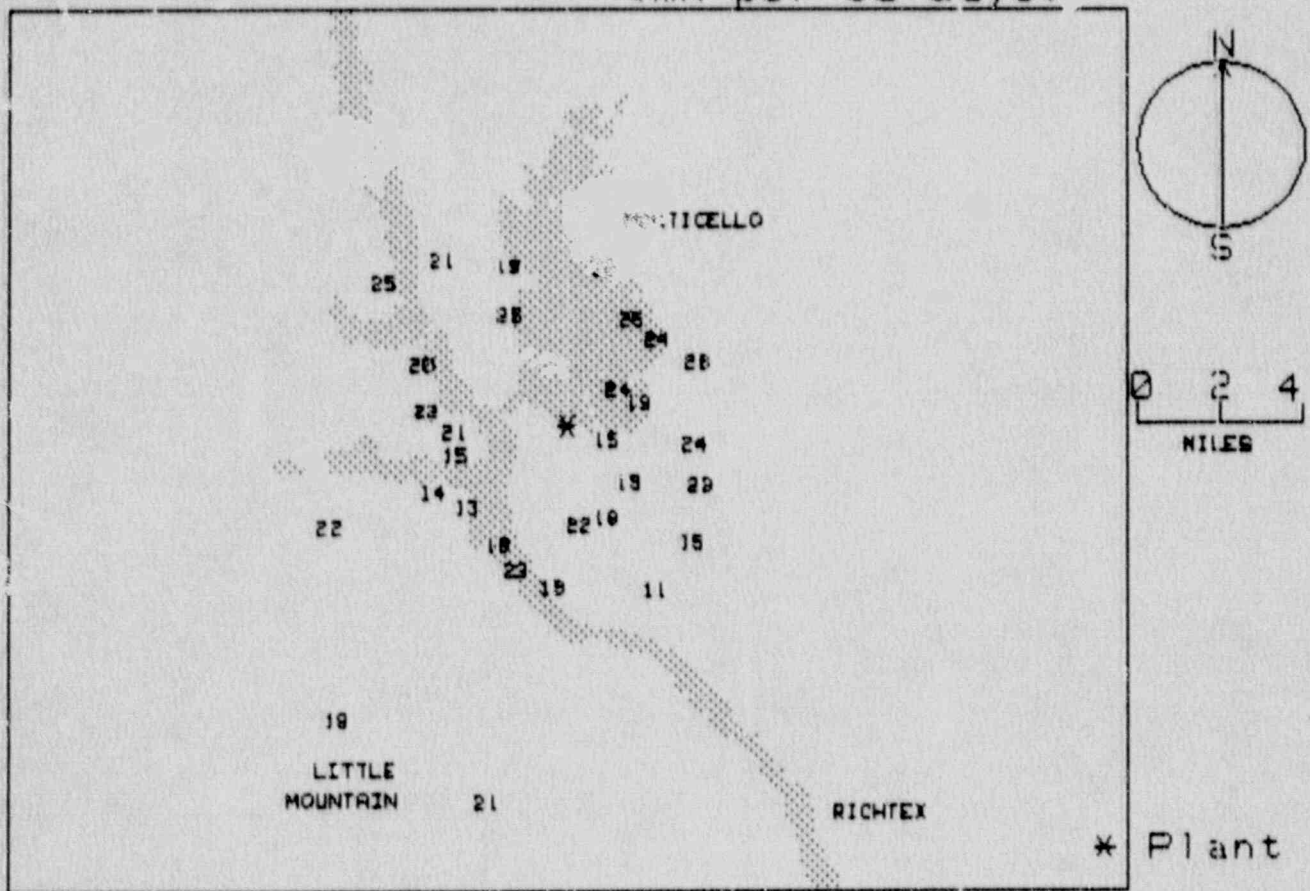
## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

RZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	◆ IN GROUP
348.75-11.25 (N)	26.3 $\pm$ 0.0	1
11.25-33.75 (NNE)	22.8 $\pm$ 5.3	3
33.75-56.25 (NE)	23.6 $\pm$ .0	2
56.25-78.75 (ENE)	22.3 $\pm$ 4.9	2
78.75-101.25 (E)	24.0 $\pm$ 0.0	1
101.25-123.75 (ESE)	19.1 $\pm$ 5.7	2
123.75-146.25 (SE)	16.7 $\pm$ 2.2	3
146.25-168.75 (SSE)	15.8 $\pm$ 3.9	3
168.75-191.25 (S)	20.6 $\pm$ 1.9	2
191.25-213.75 (SSW)	20.3 $\pm$ 2.1	4
213.75-236.25 (SW)	16.3 $\pm$ 3.2	3
236.25-258.75 (WSW)	16.7 $\pm$ 4.3	3
258.75-281.25 (W)	21.6 $\pm$ 1.1	2
281.25-303.75 (WNW)	19.8 $\pm$ 0.0	1
303.75-326.25 (NW)	23.1 $\pm$ 2.7	2
326.25-348.75 (NNW)	21.8 $\pm$ 4.6	2

DISTANCE(mi) FROM THE REACTOR	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	◆ IN GROUP
0-2	19.2 $\pm$ 3.5	4
2-5	20.3 $\pm$ 4.5	24
>5	19.6 $\pm$ 2.9	8
UPWIND CONTROL DATA	11.3 $\pm$ 3.9	3



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



SURRY  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 900317-900726 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	11	19	18.4	+-	.6 ; 2.8	15.4	+-	.6 ; 3.9
002	129	17.	18.5	+-	.6 ; 2.8	15.5	+-	.6 ; 3.9
003	162	17.	18.3	+-	.5 ; 2.7	15.3	+-	.6 ; 3.9
004	162	17.	16.1	+-	.5 ; 2.4	13.2	+-	.6 ; 3.7
005	156	5.1	21.6	+-	.6 ; 3.2	18.6	+-	.7 ; 4.2
006	189	4.1	17.9	+-	.5 ; 2.7	14.9	+-	.6 ; 3.8
007	202	2.2	19.1	+-	.6 ; 2.9	16.1	+-	.6 ; 4.0
008	183	1.6	20.8	+-	.6 ; 3.1	17.7	+-	.7 ; 4.1
009	243	0.2	23.6	+-	.7 ; 3.5	20.5	+-	.8 ; 4.5
010	269	0.1	25.9	+-	.8 ; 3.9	22.8	+-	.8 ; 4.7
011	304	0.1	25.5	+-	.8 ; 3.8	22.4	+-	.8 ; 4.7
012	334	0.2	26.3	+-	.8 ; 3.9	23.2	+-	.8 ; 4.8
013	10	1.2	19.0	+-	.6 ; 2.9	16.0	+-	.6 ; 4.0
014	21	2.0	19.7	+-	.6 ; 2.9	16.7	+-	.6 ; 4.0
015	203	4.5	18.6	+-	.6 ; 2.8	15.6	+-	.6 ; 3.9
016	224	3.7	17.0	+-	.5 ; 2.6	14.1	+-	.6 ; 3.8
017	212	2.0	21.3	+-	.6 ; 3.2	18.2	+-	.7 ; 4.2
018	248	5.1	17.3	+-	.5 ; 2.6	14.4	+-	.6 ; 3.8
019	259	8.1	18.3	+-	.5 ; 2.7	15.3	+-	.6 ; 3.9
020	285	5.0	13.4	+-	.4 ; 2.0	10.6	+-	.5 ; 3.4
021	270	4.1	21.8	+-	.7 ; 3.3	18.8	+-	.7 ; 4.3
022	123	13.	26.5	+-	.8 ; 4.0	23.4	+-	.8 ; 4.8
023	102	11.	26.6	+-	.8 ; 4.0	23.5	+-	.8 ; 4.8
024	106	4.9	21.5	+-	.6 ; 3.2	18.5	+-	.7 ; 4.2
025	90	5.2	20.2	+-	.6 ; 3.0	17.2	+-	.7 ; 4.1
026	69	5.1	24.5	+-	.7 ; 3.7	21.4	+-	.8 ; 4.6
027	23	5.3	21.4	+-	.6 ; 3.2	18.4	+-	.7 ; 4.2
028	49	5.0	21.6	+-	.6 ; 3.2	18.5	+-	.7 ; 4.2
029	7.0	6.8	21.2	+-	.6 ; 3.2	18.1	+-	.7 ; 4.2
030	359	6.5	18.9	+-	.6 ; 2.8	15.9	+-	.6 ; 3.9
031	1.0	4.6	MISSING OR DAMAGED DOSIMETER					
032	332	3.8	MISSING OR DAMAGED DOSIMETER					
033	314	5.4	MISSING OR DAMAGED DOSIMETER					
034	308	6.4	18.0	+-	.5 ; 2.7	15.0	+-	.6 ; 3.9
035	348	5.3	18.9	+-	.6 ; 2.8	15.9	+-	.6 ; 4.0
036	34	15	20.0	+-	.6 ; 3.0	17.0	+-	.7 ; 4.1
037	340	15.	18.2	+-	.5 ; 2.7	15.2	+-	.6 ; 3.9
038	339	16.	21.3	+-	.6 ; 3.2	18.2	+-	.7 ; 4.2
039	153	1.9	22.1	+-	.7 ; 3.3	19.1	+-	.7 ; 4.3
040	144	2.1	18.5	+-	.6 ; 2.8	15.5	+-	.6 ; 3.9
TRANSIT DOSE			2.6	+-	.3 ; 2.9			

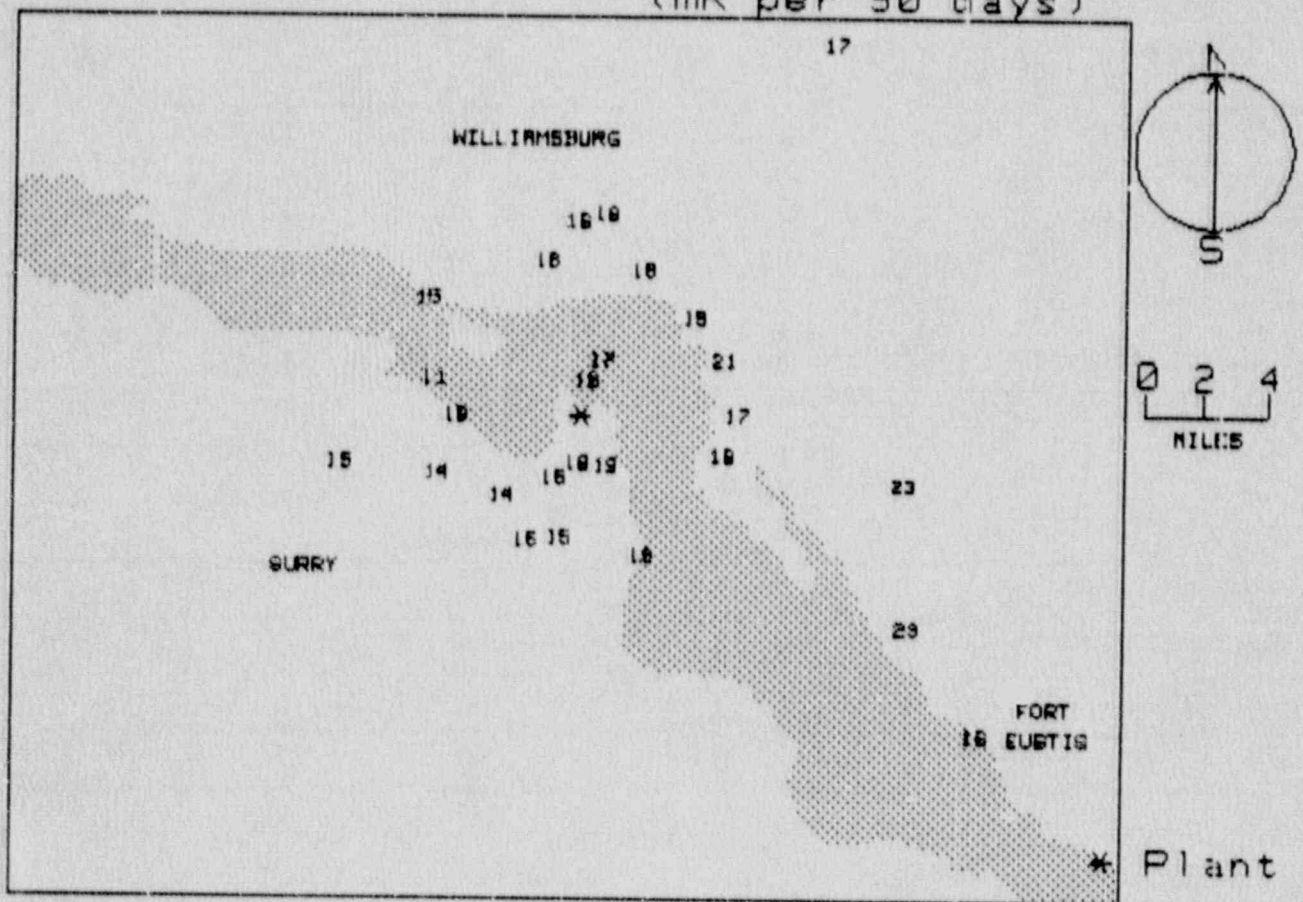
SURRY  
FOR THE PERIOD 900317-900726

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	◆ IN GROUP
348.75-11.25 (N)	16.4 $\pm$ 1.2	4
11.25-33.75 (NNE)	17.5 $\pm$ 1.2	2
33.75-56.25 (NE)	18.5 $\pm$ 0.0	1
56.25-78.75 (ENE)	21.4 $\pm$ 0.0	1
78.75-101.25 (E)	17.2 $\pm$ 0.0	1
101.25-123.75 (ESE)	21.8 $\pm$ 2.9	3
123.75-146.25 (SE)	15.5 $\pm$ .0	2
146.25-168.75 (SSE)	16.5 $\pm$ 2.0	4
168.75-191.25 (S)	16.3 $\pm$ 2.0	2
191.25-213.75 (SSW)	16.7 $\pm$ 1.4	3
213.75-236.25 (SW)	14.1 $\pm$ 0.0	1
236.25-258.75 (WSW)	17.4 $\pm$ 4.3	2
258.75-281.25 (W)	19.0 $\pm$ 3.7	3
281.25-303.75 (WNW)	10.6 $\pm$ 0.0	1
303.75-326.25 (NW)	18.7 $\pm$ 5.2	2
326.25-348.75 (NNW)	19.6 $\pm$ 5.1	2

DISTANCE(mi) FROM THE REACTOR	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	◆ IN GROUP
0-2	19.6 $\pm$ 2.7	9
2-5	15.8 $\pm$ 2.6	9
>5	17.3 $\pm$ 3.1	16
UPWIND CONTROL DATA	16.8 $\pm$ 1.5	3

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



SUSQUEHANNA  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 900314-900725 134 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	19	1.4	23.0	+-	.7 ; 3.4	19.2	+-	.7 ; 4.4	
002	0	1.4	22.8	+-	.7 ; 3.4	19.0	+-	.7 ; 4.4	
003	333	1.7	21.6	+-	.6 ; 3.2	17.9	+-	.7 ; 4.3	
004	318	1.7	20.9	+-	.6 ; 3.1	17.2	+-	.7 ; 4.2	
005	287	1.7	23.2	+-	.7 ; 3.5	19.4	+-	.8 ; 4.4	
006	270	1.3	21.8	+-	.7 ; 3.3	18.0	+-	.7 ; 4.3	
007	239	1.8	21.7	+-	.7 ; 3.3	18.0	+-	.7 ; 4.3	
008	217	2	24.1	+-	.7 ; 3.6	20.3	+-	.8 ; 4.5	
009	200	1.4	22.9	+-	.7 ; 3.4	19.1	+-	.7 ; 4.4	
010	175	1.2	20.6	+-	.6 ; 3.1	16.9	+-	.7 ; 4.2	
011	243	5.1	23.0	+-	.7 ; 3.4	19.2	+-	.7 ; 4.4	
012	252	4.7	21.5	+-	.6 ; 3.2	17.8	+-	.7 ; 4.3	
013	274	3.4	24.7	+-	.7 ; 3.7	20.9	+-	.8 ; 4.6	
014	296	3.6	23.1	+-	.7 ; 3.5	19.3	+-	.7 ; 4.4	
015	2	3.8	23.4	+-	.7 ; 3.5	19.6	+-	.8 ; 4.5	
016	334	4.1	24.3	+-	.7 ; 3.6	20.5	+-	.8 ; 4.6	
017	312	4.4	22.0	+-	.7 ; 3.3	18.2	+-	.7 ; 4.3	
018	32	4.9	22.5	+-	.7 ; 3.4	18.7	+-	.7 ; 4.4	
019	45	9.9	24.7	+-	.7 ; 3.7	20.9	+-	.8 ; 4.6	
020	65	4.8	24.5	+-	.7 ; 3.7	20.7	+-	.8 ; 4.6	
021	44	3.1	24.5	+-	.7 ; 3.7	20.7	+-	.8 ; 4.6	
022	47	.7	20.8	+-	.6 ; 3.1	17.1	+-	.7 ; 4.2	
023	65	1.2	20.4	+-	.6 ; 3.1	16.7	+-	.7 ; 4.1	
024	87	1.4	22.3	+-	.7 ; 3.3	18.6	+-	.7 ; 4.4	
025	168	1.4	22.5	+-	.7 ; 3.4	18.8	+-	.7 ; 4.4	
026	137	1.5	22.4	+-	.7 ; 3.4	18.7	+-	.7 ; 4.4	
027	152	1.5	22.7	+-	.7 ; 3.4	19.0	+-	.7 ; 4.4	
028	108	3.7	24.0	+-	.7 ; 3.6	20.2	+-	.8 ; 4.5	
029	100	4.3	23.7	+-	.7 ; 3.6	19.9	+-	.8 ; 4.5	
030	140	4.3	24.3	+-	.7 ; 3.6	20.5	+-	.8 ; 4.6	
031	162	3.4	25.7	+-	.8 ; 3.8	21.9	+-	.8 ; 4.7	
032	176	3.5	24.0	+-	.7 ; 3.6	20.2	+-	.8 ; 4.5	
033	192	3.1	25.2	+-	.8 ; 3.8	21.4	+-	.8 ; 4.7	
034	231	4.4	23.9	+-	.7 ; 3.6	20.1	+-	.8 ; 4.5	
035	134	12.	23.5	+-	.7 ; 3.5	19.8	+-	.8 ; 4.5	
036	114	13.	26.1	+-	.8 ; 3.9	22.3	+-	.8 ; 4.8	
037	150	15.	23.2	+-	.7 ; 3.5	19.4	+-	.8 ; 4.4	
TRANSIT DOSE =			3.3	+-	.3 ; 2.9				

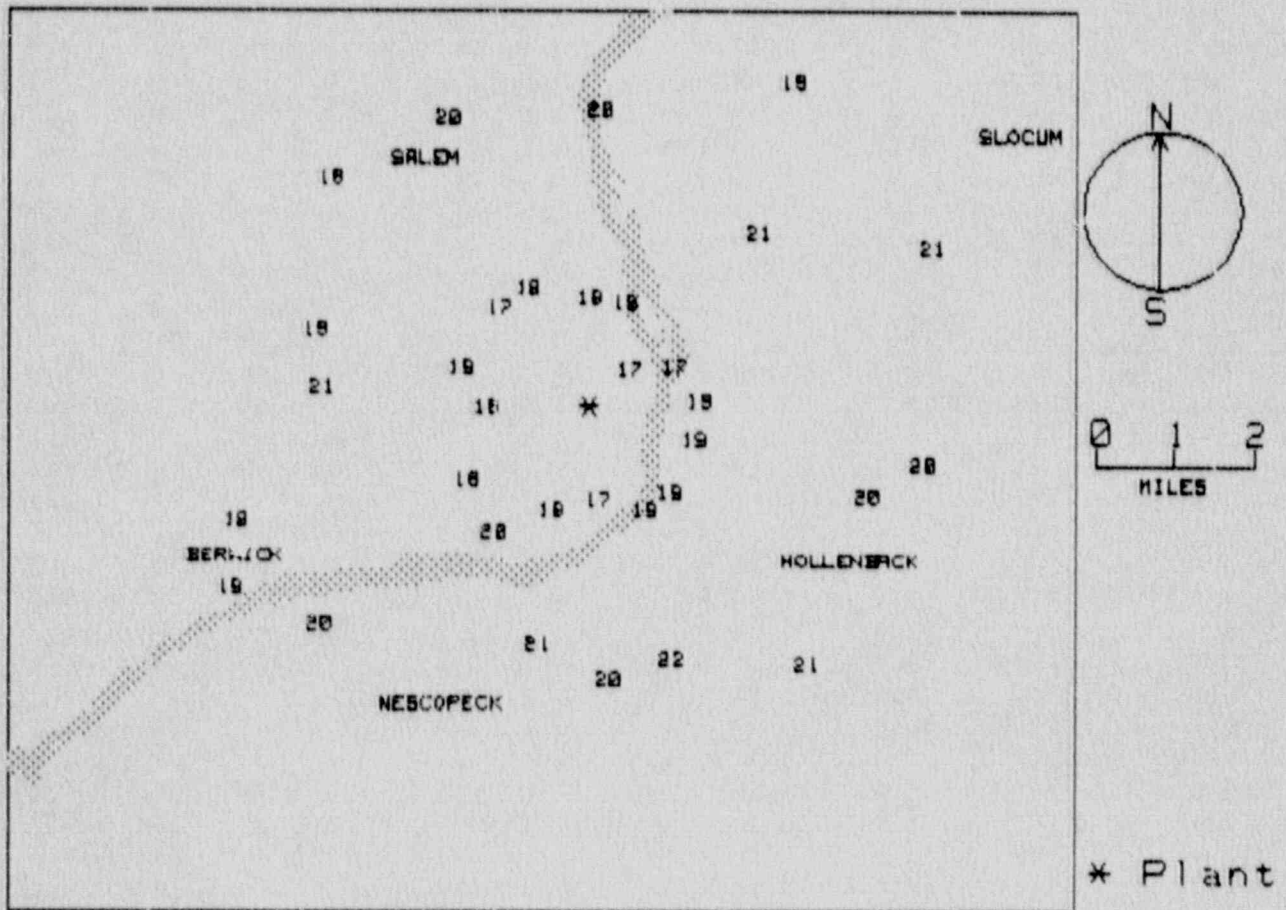
SUSQUEHANNA  
FOR THE PERIOD 900314-900725

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	# IN GROUP
348.75-11.25 (N)	19.3 $\pm$ .4	2
11.25-33.75 (NNE)	19.0 $\pm$ .3	2
33.75-56.25 (NE)	19.6 $\pm$ 2.2	3
56.25-78.75 (ENE)	18.7 $\pm$ 2.8	2
78.75-101.25 (E)	19.3 $\pm$ 1.0	2
101.25-123.75 (ESE)	19.5 $\pm$ 1.0	2
123.75-146.25 (SE)	19.6 $\pm$ 1.3	2
146.25-168.75 (SSE)	20.4 $\pm$ 2.0	2
168.75-191.25 (S)	18.6 $\pm$ 2.4	2
191.25-213.75 (SSW)	20.3 $\pm$ 1.5	2
213.75-236.25 (SW)	20.2 $\pm$ .1	2
236.25-258.75 (WSW)	18.3 $\pm$ .8	3
258.75-281.25 (W)	19.5 $\pm$ 2.0	2
281.25-303.75 (WNW)	19.4 $\pm$ .1	2
303.75-326.25 (NW)	17.7 $\pm$ .8	2
326.25-348.75 (NNW)	19.2 $\pm$ 1.8	2

DISTANCE(mi) FROM THE REACTOR	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	# IN GROUP
0-2	18.4 $\pm$ 1.0	16
2-5	20.1 $\pm$ 1.1	16
>5	20.1 $\pm$ 1.2	2
UPWIND CONTROL DATA	20.5 $\pm$ 1.6	3

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



THREE MILE ISLAND  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 900313-900724 134 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	95	5.9	20.2	+-	.6 ; 3.0	14.2	+-	.7 ; 4.3
002	101	3.9	21.6	+-	.6 ; 3.2	15.5	+-	.7 ; 4.4
003	109	2.7	16.4	+-	.5 ; 2.5	10.5	+-	.6 ; 3.9
004	163	1.8	19.1	+-	.6 ; 2.9	13.1	+-	.7 ; 4.2
005	161	2.2	19.2	+-	.6 ; 2.9	13.1	+-	.7 ; 4.2
006	150	1	19.6	+-	.6 ; 2.9	13.6	+-	.7 ; 4.2
007	136	.6	17.8	+-	.5 ; 2.7	11.8	+-	.7 ; 4.0
008	83	.4	22.6	+-	.7 ; 3.4	16.5	+-	.8 ; 4.5
009	60	.5	19.2	+-	.6 ; 2.9	13.2	+-	.7 ; 4.2
010	1	1.7	18.8	+-	.6 ; 2.8	12.8	+-	.7 ; 4.1
011	25	.9	19.3	+-	.6 ; 2.9	13.3	+-	.7 ; 4.2
012	46	2.8	19.8	+-	.6 ; 3.0	13.7	+-	.7 ; 4.2
013	19	5.2	19.5	+-	.6 ; 2.9	13.4	+-	.7 ; 4.2
014	358	2.5	18.4	+-	.6 ; 2.8	12.4	+-	.7 ; 4.1
015	133	9.0	21.6	+-	.6 ; 3.2	15.5	+-	.7 ; 4.4
016	0	3.1	17.8	+-	.5 ; 2.7	11.8	+-	.7 ; 4.0
018	349	3.5	22.7	+-	.7 ; 3.4	16.6	+-	.8 ; 4.5
019	343	0.2	21.4	+-	.6 ; 3.2	15.3	+-	.7 ; 4.4
020	318	5	19.3	+-	.6 ; 2.9	13.3	+-	.7 ; 4.2
021	348	1.3	15.9	+-	.5 ; 2.4	9.9	+-	.6 ; 3.9
022	17	3.1	19.8	+-	.6 ; 3.0	13.7	+-	.7 ; 4.2
023	64	3.8	16.4	+-	.5 ; 2.5	10.5	+-	.6 ; 3.9
024	44	3.6	20.6	+-	.6 ; 3.1	14.6	+-	.7 ; 4.3
025	335	0.5	15.2	+-	.5 ; 2.3	9.2	+-	.6 ; 3.8
027	006	7.4	24.2	+-	.7 ; 3.6	18.0	+-	.8 ; 4.7
029	293	0.4	17.1	+-	.5 ; 2.6	11.1	+-	.6 ; 4.0
030	317	1.2	18.8	+-	.6 ; 2.8	12.8	+-	.7 ; 4.1
031	306	9.6	17.7	+-	.5 ; 2.6	11.7	+-	.6 ; 4.0
032	297	7.4	20.8	+-	.6 ; 3.1	14.8	+-	.7 ; 4.3
033	301	5.9	17.3	+-	.5 ; 2.6	11.3	+-	.6 ; 4.0
034	267	2.3	20.6	+-	.6 ; 3.1	14.5	+-	.7 ; 4.3
035	299	1.8	20.3	+-	.6 ; 3.0	14.3	+-	.7 ; 4.3
036	267	1.2	16.1	+-	.5 ; 2.4	10.2	+-	.6 ; 3.9
037	256	1.4	17.2	+-	.5 ; 2.6	11.2	+-	.6 ; 4.0
038	225	1.9	20.8	+-	.6 ; 3.1	14.8	+-	.7 ; 4.3
039	200	2.1	17.1	+-	.5 ; 2.6	11.1	+-	.6 ; 4.0
040	204	2.5	17.5	+-	.5 ; 2.6	11.5	+-	.6 ; 4.0
041	185	12.	20.4	+-	.6 ; 3.1	14.4	+-	.7 ; 4.3
042	259	7.3	19.5	+-	.6 ; 2.9	13.5	+-	.7 ; 4.2
043	268	6.2	18.9	+-	.6 ; 2.8	12.9	+-	.7 ; 4.1
044	263	4.7	19.5	+-	.6 ; 2.9	13.4	+-	.7 ; 4.2
045	230	0.5	15.4	+-	.5 ; 2.3	9.4	+-	.6 ; 3.8
046	172	3	20.2	+-	.6 ; 3.0	14.1	+-	.7 ; 4.3
047	177	5.7	17.1	+-	.5 ; 2.6	11.1	+-	.6 ; 4.0
048	182	9	26.0	+-	.8 ; 3.9	19.8	+-	.9 ; 4.9
049	206	0.9	16.8	+-	.5 ; 2.5	10.8	+-	.6 ; 3.9
050	145	4.9	21.8	+-	.7 ; 3.3	15.7	+-	.7 ; 4.4
TRANSIT DOSE =			5.7	+-	.4 ; 3.2			



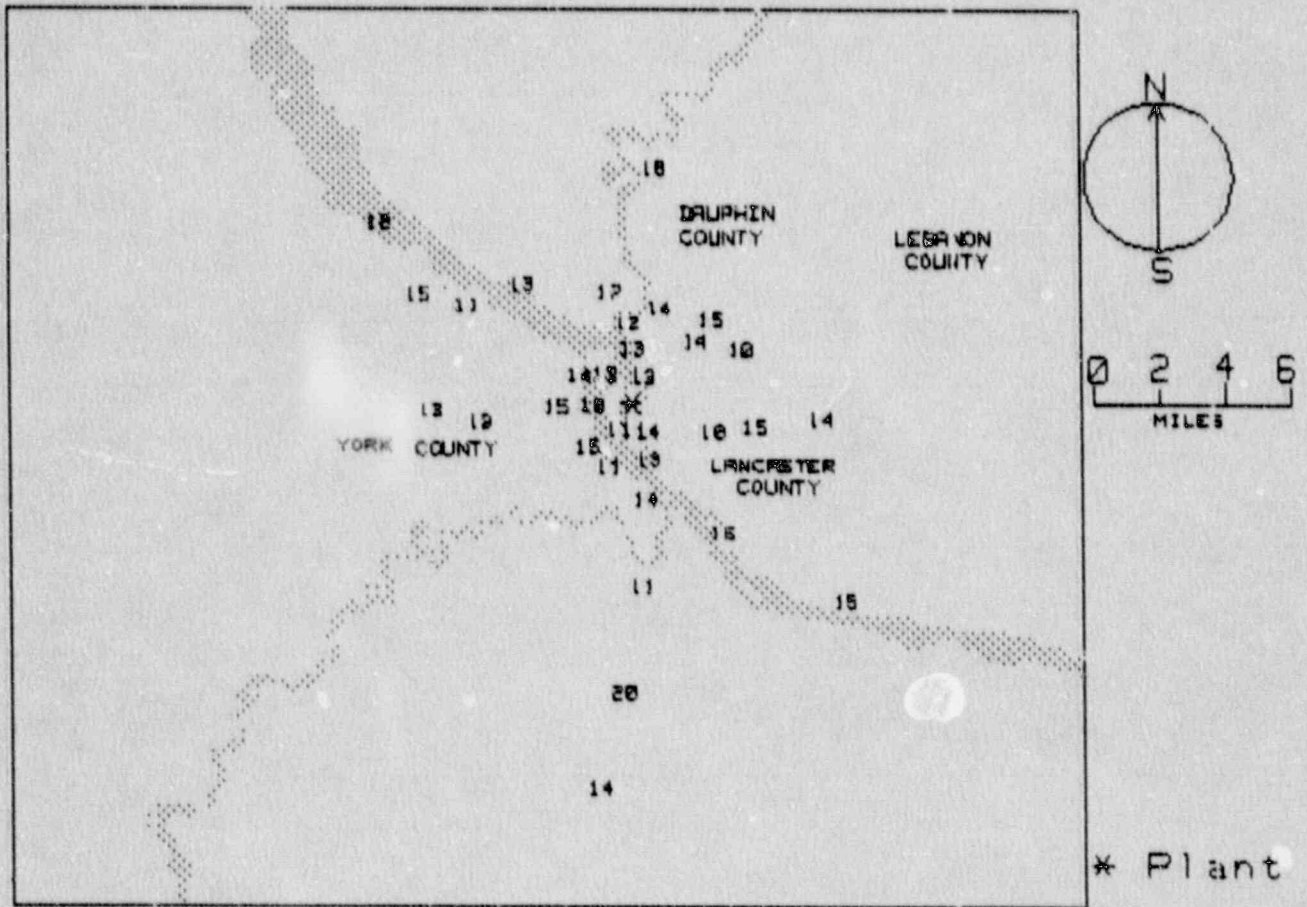
THREE MILE ISLAND  
FOR THE PERIOD 900313-900724

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
348.75-11.25 (N)	14.3 $\pm$ 2.8	5
11.25-33.75 (NNE)	13.5 $\pm$ .2	3
33.75-56.25 (NE)	14.2 $\pm$ .8	2
56.25-78.75 (ENE)	11.8 $\pm$ 1.9	2
78.75-101.25 (E)	15.4 $\pm$ 1.2	3
101.25-123.75 (ESE)	10.5 $\pm$ 0.0	1
123.75-146.25 (SE)	14.3 $\pm$ 2.2	3
146.25-168.75 (SSE)	13.3 $\pm$ .3	3
168.75-191.25 (S)	14.8 $\pm$ 3.5	4
191.25-213.75 (SSW)	11.1 $\pm$ .3	3
213.75-236.25 (SW)	12.1 $\pm$ 3.8	2
236.25-258.75 (WSW)	NO DATA $\pm$ NO DATA	0
258.75-281 (W)	13.8 $\pm$ .7	4
281.25-303.75 (WNW)	12.4 $\pm$ 2.1	3
303.75-326.25 (NW)	12.6 $\pm$ .8	3
326.25-348.75 (NNW)	11.5 $\pm$ 3.3	3

DISTANCE(mi) FROM THE REACTOR	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
0-2	12.3 $\pm$ 2.1	14
2-5	13.4 $\pm$ 1.8	18
>5	14.2 $\pm$ 2.6	12
UPWIND CONTROL DATA	11.8 $\pm$ 2.1	3

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



TROJAN  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 900313-900802 143 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	340	0.6	17.3	+-	.5 ; 2.6	11.9	+-	.6 ; 3.9
002	334	1.5	20.6	+-	.6 ; 3.1	15.0	+-	.7 ; 4.2
003	340	1.7	16.9	+-	.5 ; 2.5	11.5	+-	.6 ; 3.9
004	328	3.9	17.3	+-	.5 ; 2.6	11.8	+-	.6 ; 3.9
005	308	4.6	19.0	+-	.6 ; 2.8	13.5	+-	.7 ; 4.0
006	312	4.5	20.9	+-	.6 ; 3.1	15.3	+-	.7 ; 4.2
007	267	4.6	20.1	+-	.6 ; 3.0	14.6	+-	.7 ; 4.2
008	274	3.8	21.8	+-	.7 ; 3.3	16.2	+-	.7 ; 4.3
009	279	1.7	20.5	+-	.6 ; 3.1	14.9	+-	.7 ; 4.2
010	263	2.0	21.3	+-	.6 ; 3.2	15.7	+-	.7 ; 4.3
011	245	1.6	21.3	+-	.6 ; 3.2	15.7	+-	.7 ; 4.3
012	223	1.2	21.5	+-	.6 ; 3.2	15.9	+-	.7 ; 4.3
013	196	1.1	20.4	+-	.6 ; 3.1	14.8	+-	.7 ; 4.2
014	180	1.2	19.9	+-	.6 ; 3.0	14.4	+-	.7 ; 4.1
015	165	1.7	17.6	+-	.5 ; 2.6	12.2	+-	.6 ; 3.9
016	212	3.9	18.5	+-	.6 ; 2.8	13.0	+-	.6 ; 4.0
017	230	3.5	21.0	+-	.6 ; 3.1	15.4	+-	.7 ; 4.2
018	162	9.3	21.4	+-	.6 ; 3.2	15.8	+-	.7 ; 4.3
019	172	5.0	22.1	+-	.7 ; 3.3	16.5	+-	.7 ; 4.4
020	334	5.8	18.0	+-	.5 ; 2.7	12.5	+-	.6 ; 4.0
021	345	5.5	19.1	+-	.6 ; 2.9	13.6	+-	.7 ; 4.1
022	356	5.5	18.0	+-	.5 ; 2.7	12.5	+-	.6 ; 4.3
023	8	3.9	17.2	+-	.5 ; 2.6	11.7	+-	.6 ; 3.9
024	15	3.7	18.5	+-	.6 ; 2.8	13.0	+-	.6 ; 4.0
025	27	1.9	18.1	+-	.5 ; 2.7	12.6	+-	.6 ; 4.0
026	37	2.1	20.1	+-	.6 ; 3.0	14.5	+-	.7 ; 4.2
027	60	2.9	20.5	+-	.6 ; 3.1	14.9	+-	.7 ; 4.2
028	55	4.5	18.8	+-	.6 ; 2.8	13.3	+-	.7 ; 4.0
029	69	1.6	18.3	+-	.5 ; 2.7	12.8	+-	.6 ; 4.0
030	83	3.9	17.5	+-	.5 ; 2.6	12.0	+-	.6 ; 3.9
031	93	2.7	20.2	+-	.6 ; 3.0	14.7	+-	.7 ; 4.2
032	119	2.2	21.4	+-	.6 ; 3.2	15.8	+-	.7 ; 4.3
033	106	5.3	17.5	+-	.5 ; 2.6	12.1	+-	.6 ; 3.9
034	134	2.5	18.0	+-	.5 ; 2.7	12.5	+-	.6 ; 4.0
035	145	4.7	18.5	+-	.6 ; 2.8	13.0	+-	.6 ; 4.0
036	270	17.	20.0	+-	.6 ; 3.0	14.5	+-	.7 ; 4.2
037	270	17.	19.8	+-	.6 ; 3.0	14.2	+-	.7 ; 4.1
038	270	17.	21.9	+-	.7 ; 3.3	16.3	+-	.7 ; 4.3
TRANSIT DOSE =			4.9	+-	.4 ; 3.1			

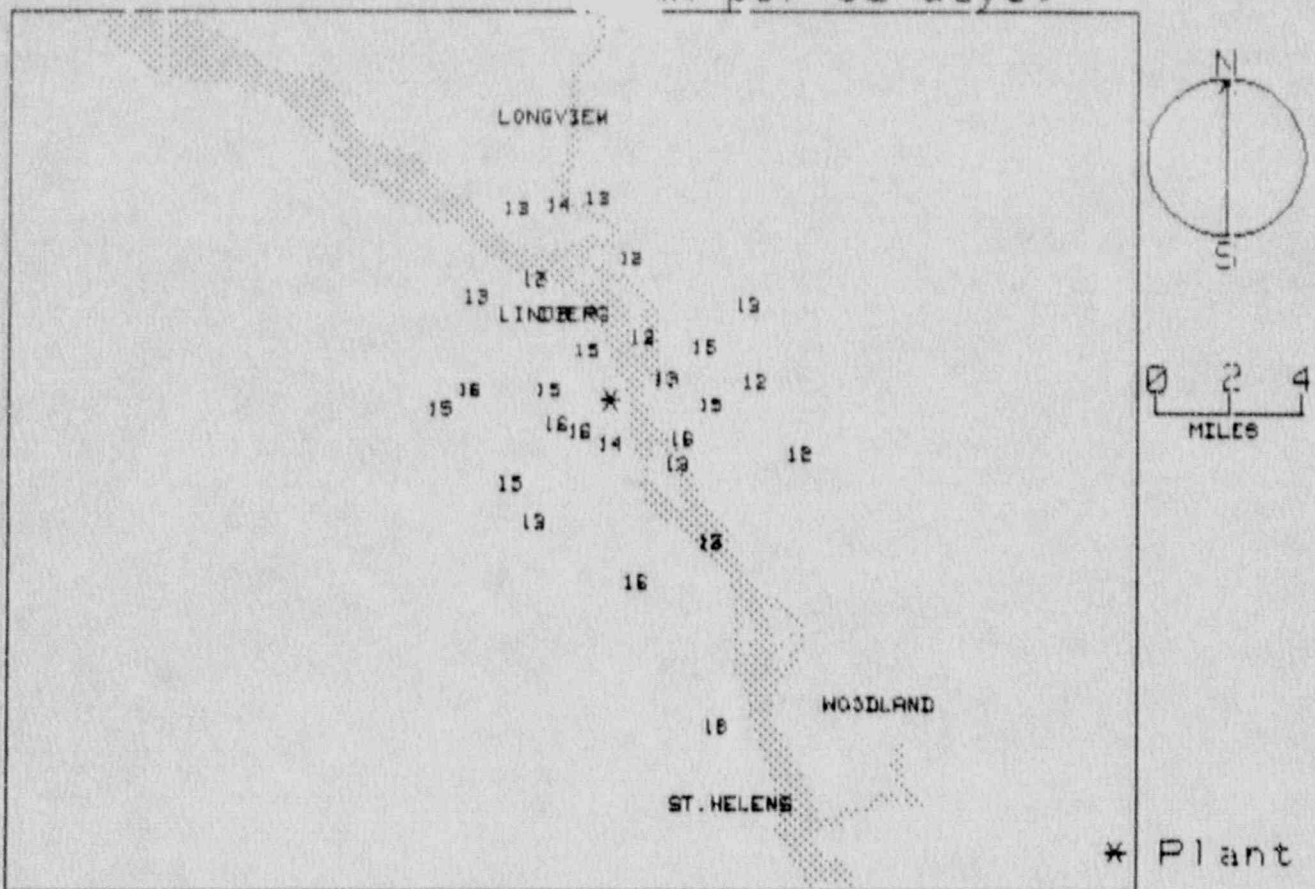
TROJAN  
FOR THE PERIOD 900313-900802

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	# IN GROUP
348.75-11.25 (N)	12.1 $\pm$ .6	2
11.25-33.75 (NNE)	12.8 $\pm$ .3	2
33.75-56.25 (NE)	13.8 $\pm$ .8	2
56.25-78.75 (ENE)	13.8 $\pm$ 1.5	2
78.75-101.25 (E)	13.3 $\pm$ 1.9	2
101.25-123.75 (ESE)	13.8 $\pm$ 2.6	2
123.75-146.25 (SE)	12.8 $\pm$ .3	2
146.25-168.75 (SSE)	14.0 $\pm$ 2.6	2
168.75-191.25 (S)	15.4 $\pm$ 1.5	2
191.25-213.75 (SSW)	13.8 $\pm$ 1.3	2
213.75-236.25 (SW)	15.6 $\pm$ .4	2
236.25-258.75 (WSW)	15.7 $\pm$ 0.0	1
258.75-281.25 (W)	15.3 $\pm$ .7	4
281.25-303.75 (WNW)	NO DATA $\pm$ NO DATA	0
303.75-326.25 (NW)	14.4 $\pm$ 1.3	2
326.25-348.75 (NNW)	12.7 $\pm$ 1.3	6

DISTANCE(mi) FROM THE REACTOR	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	# IN GROUP
0-2	14.0 $\pm$ 1.6	12
2-5	14.0 $\pm$ 1.5	18
>5	13.3 $\pm$ 1.5	5
UP WIND CONTROL DATA	15.0 $\pm$ 1.1	3

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



TURKEY POINT  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 900314-900727 136 DAYS  
 FIELD TIME: 110 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE(mR) +- Rdm;Tot.	NET EXPOSURE RATE mR/Std.Qtr. +- Rdm;Tot.
	AZIMUTH (deg.)	DIST (mi.)		
001	310	1.3	16.0 +- .5 ; 2.4	NO NET DATA
002	292	2.4	MISSING OR DAMAGED DOSIMETER	
003	340	1.9	17.1 +- .5 ; 2.6	NO NET DATA
004	354	2.0	MISSING OR DAMAGED DOSIMETER	
005	314	3.8	17.6 +- .5 ; 2.6	NO NET DATA
006	331	4.2	MISSING OR DAMAGED DOSIMETER	
007	291	5.4	15.8 +- .5 ; 2.4	NO NET DATA
008	263	5.1	15.6 +- .5 ; 2.3	NO NET DATA
009	242	5.7	MISSING OR DAMAGED DOSIMETER	
010	234	6.2	18.3 +- .5 ; 2.7	NO NET DATA
011	220	6.2	MISSING OR DAMAGED DOSIMETER	
012	213	6.9	MISSING OR DAMAGED DOSIMETER	
013	199	10.	17.1 +- .5 ; 2.6	NO NET DATA
014	190	10.	15.6 +- .5 ; 2.3	NO NET DATA
015	180	10.	19.1 +- .6 ; 2.9	NO NET DATA
016	171	10.	19.5 +- .6 ; 2.9	NO NET DATA
017	165	9.0	18.9 +- .6 ; 2.8	NO NET DATA
018	203	16.	18.6 +- .6 ; 2.8	NO NET DATA
019	203	16.	18.4 +- .6 ; 2.8	NO NET DATA
020	203	16.	18.9 +- .6 ; 2.8	NO NET DATA
021	268	8.7	14.2 +- .4 ; 2.1	NO NET DATA
022	256	8.0	16.9 +- .5 ; 2.5	NO NET DATA
023	275	9.0	16.8 +- .5 ; 2.5	NO NET DATA
024	285	9.0	19.9 +- .6 ; 3.0	NO NET DATA
025	293	8.7	19.8 +- .6 ; 3.0	NO NET DATA
026	301	8.4	17.2 +- .5 ; 2.6	NO NET DATA
027	311	8.3	17.6 +- .5 ; 2.6	NO NET DATA
028	327	8.2	18.9 +- .6 ; 2.8	NO NET DATA
029	339	9.3	18.8 +- .6 ; 2.8	NO NET DATA
030	350	8.7	15.8 +- .5 ; 2.4	NO NET DATA
031	359	9.9	19.1 +- .6 ; 2.9	NO NET DATA
032	2	18.	MISSING OR DAMAGED DOSIMETER	
033	12	22.	19.9 +- .6 ; 3.0	NO NET DATA
034	18	24.	18.3 +- .5 ; 2.7	NO NET DATA
035	28	22.	18.1 +- .5 ; 2.7	NO NET DATA
036	15	0.3	16.5 +- .5 ; 2.5	NO NET DATA
037	228	0.5	18.6 +- .6 ; 2.8	NO NET DATA

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

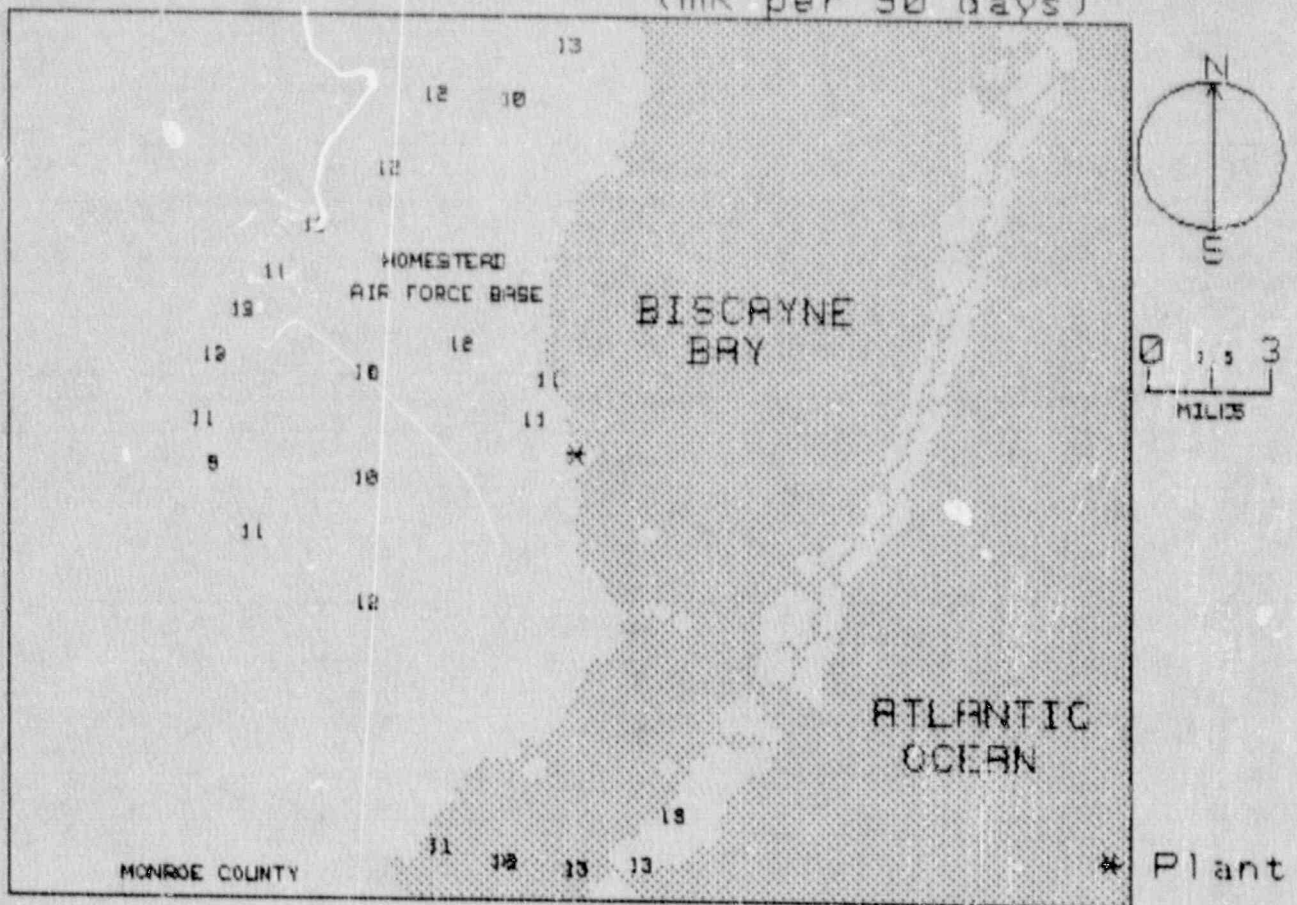
TURKEY POINT  
FOR THE PERIOD 900314-900727

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	$\phi$ IN GROUP
348.75-11.25 (N)	11.5 $\pm$ 1.5	2
11.25-33.75 (NNE)	12.0 $\pm$ .8	4
33.75-56.25 (NE)	NO DATA $\pm$ NO DATA	0
56.25-78.75 (ENE)	NO DATA $\pm$ NO DATA	0
78.75-101.25 (E)	NO DATA $\pm$ NO DATA	0
101.25-123.75 (ESE)	NO DATA $\pm$ NO DATA	0
123.75-146.25 (SE)	NO DATA $\pm$ NO DATA	0
146.25-168.75 (SSE)	12.5 $\pm$ 0.2	1
168.75-191.25 (S)	11.8 $\pm$ 1.4	3
191.25-213.75 (SSW)	11.3 $\pm$ 0.0	1
213.75-236.25 (SW)	12.2 $\pm$ .1	2
236.25-258.75 (WSW)	11.2 $\pm$ 0.0	1
258.75-281.25 (W)	10.3 $\pm$ .8	3
281.25-303.75 (WNW)	12.0 $\pm$ 1.3	4
303.75-326.25 (NW)	11.3 $\pm$ .6	3
326.25-348.75 (NNW)	12.1 $\pm$ .7	3

DISTANCE (mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	$\phi$ IN GROUP
0-2	11.3 $\pm$ .7	4
2-5	11.8 $\pm$ 0.0	1
>5	11.8 $\pm$ 1.1	22
UPWIND CONTROL DATA	12.3 $\pm$ .1	3

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





VERMONT YANKEE  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 900317-900725 131 DAYS  
 FIELD TIME 98 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)			NET EXPOSURE RATE mR/Std. Dtr.		
	AZIMUTH (deg.)	DIST (mi.)	+- Rdm; Tot.			+- Rdm; Tot.		
001	142	1.	19.1	+-	.6 ; 2.9	15.9	+-	.6 ; 3.8
002	158	1	20.1	+-	.6 ; 3.0	16.7	+-	.6 ; 3.9
003	184	1.3	19.8	+-	.6 ; 3.0	16.5	+-	.6 ; 3.9
004	201	1.4	21.0	+-	.6 ; 3.2	17.6	+-	.6 ; 4.0
005	220	1.6	20.5	+-	.6 ; 3.1	17.1	+-	.6 ; 3.9
006	157	3.4	19.6	+-	.6 ; 2.9	16.3	+-	.6 ; 3.9
007	189	4.9	19.5	+-	.6 ; 2.9	16.2	+-	.6 ; 3.8
008	201	13.	19.5	+-	.6 ; 2.9	16.2	+-	.6 ; 3.8
009	208	5.8	19.8	+-	.6 ; 3.0	16.5	+-	.6 ; 3.9
010	232	3.7	21.8	+-	.7 ; 3.3	18.3	+-	.7 ; 4.1
011	277	2.9	21.8	+-	.7 ; 3.3	18.3	+-	.7 ; 4.1
012	292	1.4	20.8	+-	.6 ; 3.1	17.4	+-	.6 ; 4.0
013	314	1.4	19.8	+-	.6 ; 3.0	16.5	+-	.6 ; 3.9
014	310	4.2	19.2	+-	.6 ; 2.9	16.0	+-	.6 ; 3.8
015	299	4.3	20.3	+-	.6 ; 3.0	16.9	+-	.6 ; 3.9
016	270	4.5	17.5	+-	.5 ; 2.6	14.3	+-	.6 ; 3.7
017	331	5	19.7	+-	.6 ; 3.0	16.4	+-	.6 ; 3.9
018	290	19.	22.2	+-	.7 ; 3.3	18.7	+-	.7 ; 4.1
019	290	19.	20.6	+-	.6 ; 3.1	17.2	+-	.6 ; 4.0
020	290	19.	22.9	+-	.7 ; 3.4	19.3	+-	.7 ; 4.2
021	359	3.2	20.5	+-	.6 ; 3.1	17.1	+-	.6 ; 3.9
023	334	2.2	20.0	+-	.6 ; 3.0	16.6	+-	.6 ; 3.9
024	4	.9	21.4	+-	.6 ; 3.2	17.9	+-	.6 ; 4.0
025	30	1	19.5	+-	.6 ; 2.9	16.2	+-	.6 ; 3.8
026	72	1.5	20.8	+-	.6 ; 3.1	17.4	+-	.6 ; 4.0
027	44	.7	19.7	+-	.6 ; 3.0	16.4	+-	.6 ; 3.9
028	39	2.8	22.7	+-	.7 ; 3.4	19.1	+-	.7 ; 4.2
029	25	3.8	22.1	+-	.7 ; 3.3	18.6	+-	.7 ; 4.1
030	72	2.7	21.6	+-	.6 ; 3.2	18.1	+-	.7 ; 4.0
031	85	2	20.9	+-	.6 ; 3.1	17.5	+-	.6 ; 4.0
032	111	1.8	19.6	+-	.6 ; 2.9	16.3	+-	.6 ; 3.9
033	134	4	20.3	+-	.6 ; 3.0	16.9	+-	.6 ; 3.9
034	151	6	18.0	+-	.5 ; 2.7	14.8	+-	.6 ; 3.7
035	111	4.3	21.9	+-	.7 ; 3.3	18.4	+-	.7 ; 4.1
036	92	4.7	23.3	+-	.7 ; 3.5	19.7	+-	.7 ; 4.2
037	50	15	27.1	+-	.8 ; 4.1	23.2	+-	.8 ; 4.6
039	222	.3	22.5	+-	.7 ; 3.4	19.0	+-	.7 ; 4.1
040	250	3	21.1	+-	.6 ; 3.2	17.7	+-	.6 ; 4.0
TRANSIT DOSE =			1.8	+-	.3 ; 3.0			

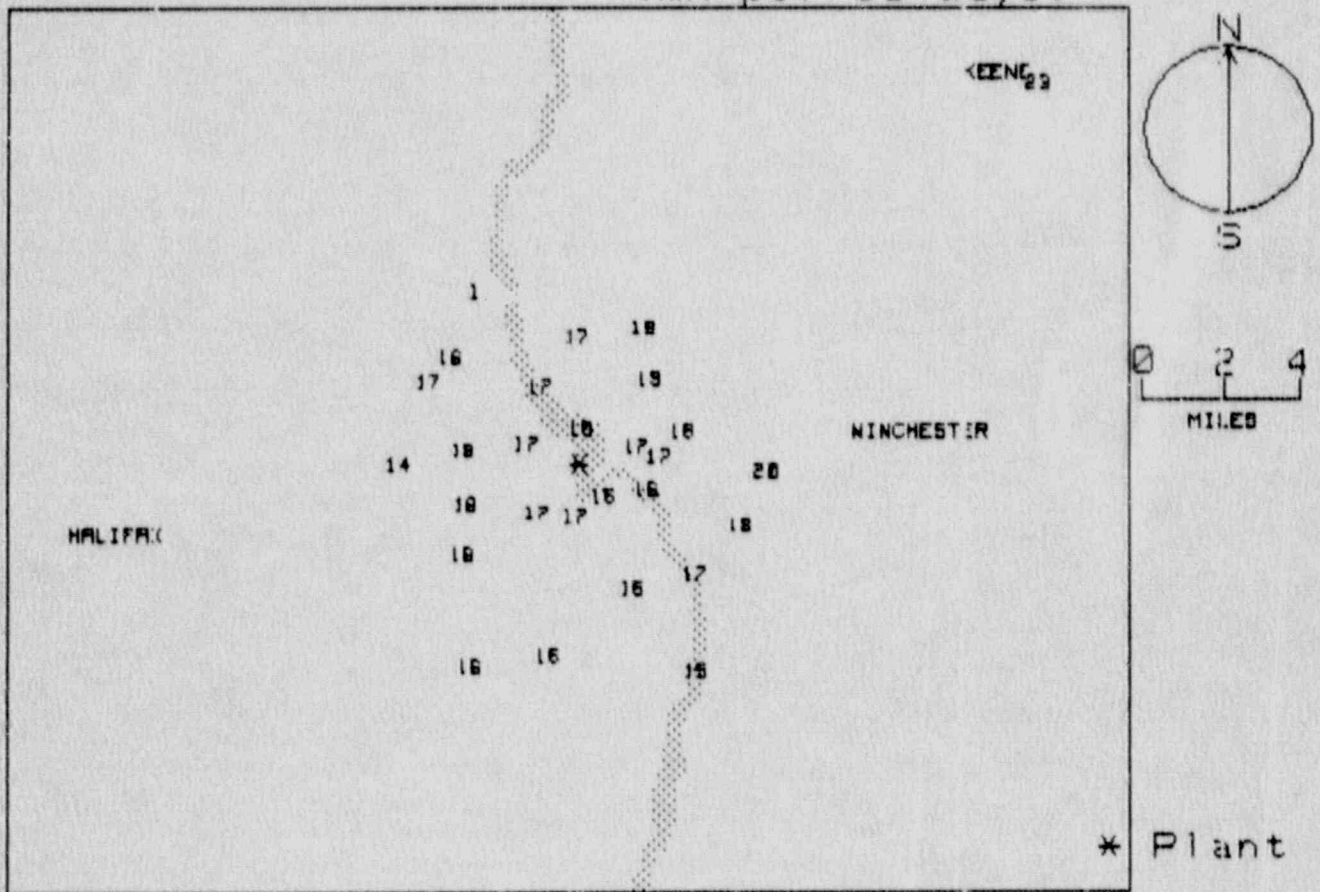
VERMONT YANKEE  
FOR THE PERIOD 900317-900725

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	◆ IN GROUP
348.75-11.25 (N)	17.5 $\pm$ .8	2
11.25-33.75 (NNE)	17.4 $\pm$ 1.7	2
33.75-56.25 (NE)	23.2 $\pm$ 0.0	1
56.25-78.75 (ENE)	18.1 $\pm$ 0.0	1
78.75-101.25 (E)	18.6 $\pm$ 1.6	2
101.25-123.75 (ESE)	17.4 $\pm$ 1.5	2
123.75-146.25 (SE)	16.4 $\pm$ .7	2
146.25-168.75 (SSE)	16.0 $\pm$ 1.0	3
168.75-191.25 (S)	16.3 $\pm$ .2	2
191.25-213.75 (SSW)	16.8 $\pm$ .7	3
213.75-236.25 (SW)	18.1 $\pm$ .9	3
236.25-258.75 (WSW)	17.7 $\pm$ 0.0	1
258.75-281.25 (W)	16.3 $\pm$ 2.0	2
281.25-303.75 (WNW)	17.9 $\pm$ 1.0	5
303.75-326.25 (NW)	16.2 $\pm$ .4	2
326.25-348.75 (NNW)	16.5 $\pm$ .2	2

DISTANCE (mi) FROM THE REACTOR	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	◆ IN GROUP
0-2	17.1 $\pm$ .9	12
2-5	17.2 $\pm$ 1.3	18
>5	18.0 $\pm$ 2.8	7
UPWARD CONTROL DATA	17.7 $\pm$ 1.4	3

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



VOGTLE  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 900317-900727 133 DAYS  
 FIELD TIME 95 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE(mR)		NET EXPOSURE RATE	
	AZIMUTH/ (deg.)	DIST (mi.)	+- Rdm;Tot.		+- Rdm;Tot.	
001	298	1.6	17.9 +- .5	2.7	11.0 +- .6	4.0
002	309	1.6	18.4 +- .6	2.8	11.5 +- .7	4.1
003	336	1.4	18.3 +- .5	2.7	11.5 +- .7	4.1
004	270	1.3	17.8 +- .5	2.7	11.0 +- .6	4.0
005	247	1.2	19.3 +- .6	2.9	12.4 +- .7	4.1
006	215	1.2	22.5 +- .7	3.4	15.4 +- .8	4.5
007	205	1.2	25.2 +- .8	3.8	18.0 +- .9	4.7
008	180	1.1	23.8 +- .7	3.6	16.7 +- .8	4.6
009	153	1.2	20.6 +- .6	3.1	13.6 +- .7	4.3
010	134	1.3	21.6 +- .6	3.2	14.5 +- .7	4.4
011	103	1.1	16.3 +- .5	2.4	9.6 +- .6	3.9
012	134	3.3	19.3 +- .6	2.9	12.4 +- .7	4.1
013	123	4.2	19.5 +- .6	2.9	12.6 +- .7	4.2
014	141	4.6	16.8 +- .5	2.5	10.0 +- .6	3.9
015	153	5.3	17.6 +- .5	2.6	10.7 +- .6	4.0
016	162	6.3	18.5 +- .6	2.8	11.6 +- .7	4.1
017	157	7.3	20.7 +- .6	3.1	13.7 +- .7	4.3
018	191	4.8	MISSING OR DAMAGED DOSIMETER			
019	208	4.7	17.0 +- .5	2.6	10.2 +- .6	3.9
020	232	4.9	17.4 +- .5	2.6	10.6 +- .6	4.0
021	250	5.6	18.6 +- .6	2.8	11.7 +- .7	4.1
022	264	4.3	17.8 +- .5	2.7	10.9 +- .6	4.0
023	301	4.2	19.1 +- .6	2.9	12.2 +- .7	4.1
024	308	4.6	16.6 +- .5	2.5	9.8 +- .6	3.9
025	329	6.7	20.4 +- .6	3.1	13.4 +- .7	4.2
026	258	15.	20.7 +- .6	3.1	13.7 +- .7	4.3
027	300	13.	22.9 +- .7	3.4	15.8 +- .8	4.5
028	330	30.	MISSING OR DAMAGED DOSIMETER			
031	357	5.2	23.1 +- .7	3.5	16.0 +- .8	4.5
032	26	4.9	18.9 +- .6	2.8	12.0 +- .7	4.1
033	17	3.2	19.1 +- .6	2.9	12.2 +- .7	4.1
034	36	3.9	MISSING OR DAMAGED DOSIMETER			
035	48	2.4	24.1 +- .7	3.6	16.9 +- .8	4.6
036	69	2.8	21.2 +- .6	3.2	14.2 +- .7	4.3
037	74	4.4	20.1 +- .6	3.0	13.1 +- .7	4.2
038	94	4.5	20.2 +- .6	3.0	13.2 +- .7	4.2
TRANSIT DOSE =			6.2 +- .4	3.3		

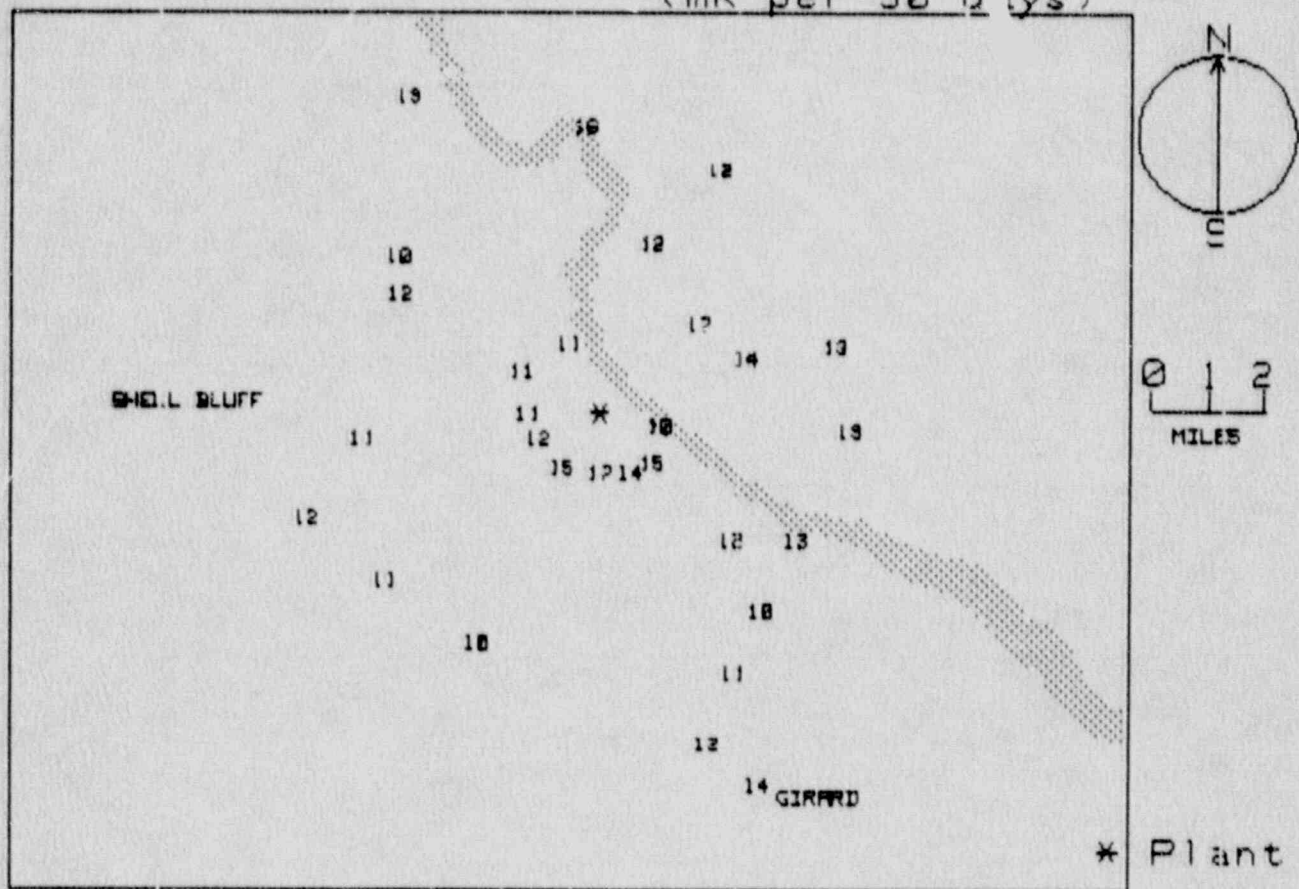
VOGTLE  
FOR THE PERIOD 900317-900727

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
348.75-11.25 (N)	16.0 $\pm$ 0.0	1
11.25-33.75 (NNE)	12.1 $\pm$ .1	2
33.75-56.25 (NE)	16.8 $\pm$ 0.0	1
56.25-78.75 (ENE)	13.7 $\pm$ .8	2
78.75-101.25 (E)	13.2 $\pm$ 0.0	1
101.25-123.75 (ESE)	11.1 $\pm$ 2.1	2
123.75-146.25 (SE)	12.3 $\pm$ 2.3	3
146.25-168.75 (SSE)	12.4 $\pm$ 1.5	4
168.75-191.25 (S)	16.7 $\pm$ 0.0	1
191.25-213.75 (SSW)	14.1 $\pm$ 5.5	2
213.75-236.25 (SW)	13.0 $\pm$ 3.4	2
236.25-258.75 (WSW)	12.1 $\pm$ .5	2
258.75-281.25 (W)	11.0 $\pm$ .0	2
281.25-303.75 (WNW)	11.8 $\pm$ .8	2
303.75-326.25 (NW)	10.7 $\pm$ 1.2	2
326.25-348.75 (NNW)	12.4 $\pm$ 1.4	2

DISTANCE(mi) FROM THE REACTOR	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
0-2	13.2 $\pm$ 2.7	11
2-5	12.2 $\pm$ 1.9	14
>5	12.8 $\pm$ 1.9	6
UPWIND CONTROL DATA	14.7 $\pm$ 1.5	2

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



WASHINGTON NUCLEAR 2  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 900313-900802 143 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	174	12.	23.9	+-	.7 ; 3.6	17.7	+-	1.0 ; 5.5
002	163	11.	23.9	+-	.7 ; 3.6	17.7	+-	1.0 ; 5.5
003	161	9.0	23.3	+-	.7 ; 3.5	17.0	+-	1.0 ; 5.4
004	152	5.0	25.5	+-	.8 ; 3.8	19.5	+-	1.0 ; 5.7
005	195	2.0	24.2	+-	.7 ; 3.6	18.1	+-	1.0 ; 5.5
006	220	1.5	24.8	+-	.7 ; 3.7	18.7	+-	1.0 ; 5.6
007	92	3.0	25.4	+-	.8 ; 3.8	19.4	+-	1.0 ; 5.7
008	155	1.0	23.8	+-	.7 ; 3.6	17.6	+-	1.0 ; 5.5
009	130	0.5	25.2	+-	.8 ; 3.8	19.2	+-	1.0 ; 5.7
010	70	0.5	23.7	+-	.7 ; 3.6	17.5	+-	1.0 ; 5.5
011	25	0.8	24.5	+-	.7 ; 3.7	18.4	+-	1.0 ; 5.6
012	315	0.5	24.4	+-	.7 ; 3.7	18.3	+-	1.0 ; 5.6
013	290	0.5	25.6	+-	.8 ; 3.8	19.6	+-	1.0 ; 5.7
014	270	0.5	24.3	+-	.7 ; 3.6	18.2	+-	1.0 ; 5.6
015	245	1.8	24.6	+-	.7 ; 3.7	18.5	+-	1.0 ; 5.6
016	285	3.0	25.6	+-	.8 ; 3.8	19.6	+-	1.0 ; 5.7
017	240	4.0	22.6	+-	.7 ; 3.4	16.2	+-	1.0 ; 5.3
018	198	7.0	23.8	+-	.7 ; 3.6	17.6	+-	1.0 ; 5.5
019	173	8.5	24.7	+-	.7 ; 3.7	18.6	+-	1.0 ; 5.6
020	150	20.	25.1	+-	.8 ; 3.8	19.1	+-	1.0 ; 5.7
021	114	7.0	25.7	+-	.8 ; 3.8	19.8	+-	1.0 ; 5.7
022	120	8.0	24.3	+-	.7 ; 3.6	18.1	+-	1.0 ; 5.5
023	134	6.0	26.7	+-	.8 ; 4.0	20.9	+-	1.1 ; 5.9
024	110	4.0	27.4	+-	.8 ; 4.1	21.7	+-	1.1 ; 6.0
025	85	5.0	25.4	+-	.8 ; 3.8	19.5	+-	1.0 ; 5.7
026	65	5.0	26.8	+-	.8 ; 4.0	21.0	+-	1.1 ; 5.9
027	53	4.0	23.4	+-	.7 ; 3.5	17.1	+-	1.0 ; 5.4
028	44	8.0	26.5	+-	.8 ; 4.0	20.7	+-	1.1 ; 5.8
029	33	10.	25.1	+-	.8 ; 3.8	19.1	+-	1.0 ; 5.7
030	8	9.5	26.5	+-	.8 ; 4.0	20.7	+-	1.1 ; 5.8
031	215	15.	23.7	+-	.7 ; 3.6	17.7	+-	1.0 ; 5.5

TRANSIT DOSE = 8.7 +- .5 ; 3.0

WASHINGTON NUCLEAR 2  
FOR THE PERIOD 900313-900802

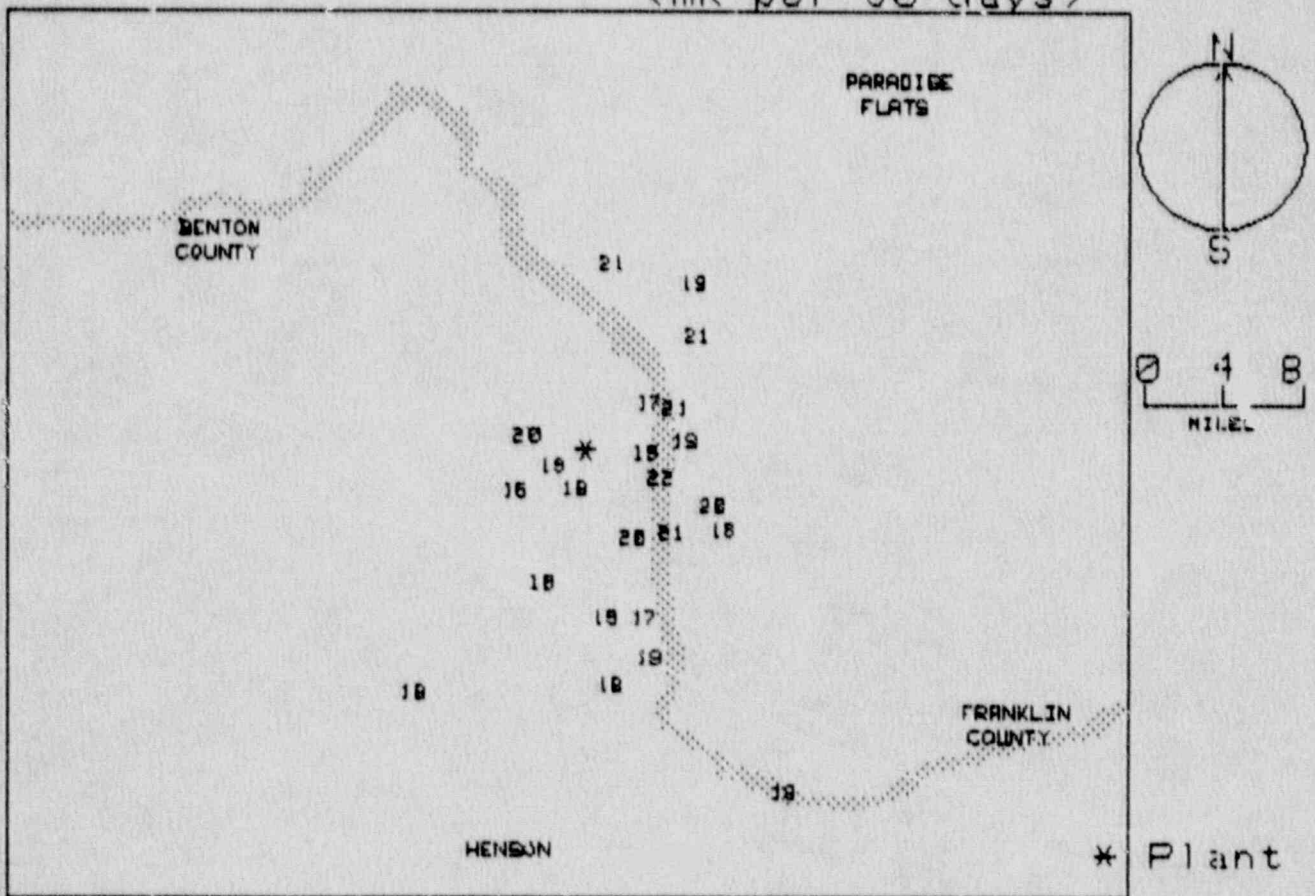
## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	# IN GROUP
348.75-11.25 (N)	20.7 $\pm$ 0.0	1
11.25-33.75 (NNE)	18.8 $\pm$ .5	2
33.75-56.25 (NE)	18.8 $\pm$ 2.6	2
56.25-78.75 (ENE)	19.3 $\pm$ 2.5	2
78.75-101.25 (E)	19.4 $\pm$ .0	2
101.25-123.75 (ESE)	19.8 $\pm$ 1.0	
123.75-146.25 (SE)	20.0 $\pm$ 1.2	2
146.25-168.75 (SSE)	18.2 $\pm$ 1.1	5
168.75-191.25 (S)	18.6 $\pm$ 0.0	1
191.25-213.75 (SSW)	17.8 $\pm$ .3	2
213.75-236.25 (SW)	18.7 $\pm$ 0.0	1
236.25-258.75 (WSW)	17.4 $\pm$ 1.7	2
258.75-281.25 (W)	18.2 $\pm$ 0.0	1
281.25-303.75 (WNW)	19.6 $\pm$ 0.0	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	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std.Dev.	# IN GROUP
0-2	18.4 $\pm$ .7	10
2-5	19.3 $\pm$ 1.8	8
>5	19.0 $\pm$ 1.4	11
UPWIND CONTROL DATA	17.7 $\pm$ 0.0	2



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



WATERFORD  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 900313-900802 143 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	101	0.4	19.4 +- .6	; 2.9	15.0 +- .7	; 4.1
002	116	1.1	20.5 +- .6	; 3.1	16.1 +- .7	; 4.2
003	132	1.3	24.5 +- .7	; 3.7	20.0 +- .8	; 4.6
004	160	1.8	21.5 +- .6	; 3.2	17.0 +- .7	; 4.3
005	183	1.4	21.6 +- .6	; 3.2	17.2 +- .7	; 4.3
006	202	1.2	21.6 +- .6	; 3.2	17.1 +- .7	; 4.3
007	226	1.2	21.0 +- .6	; 3.1	16.5 +- .7	; 4.2
008	240	1.3	23.2 +- .7	; 3.5	18.7 +- .8	; 4.5
009	265	1.9	MISSING OR DAMAGED DOSIMETER			
010	186	4.2	22.5 +- .7	; 3.4	18.0 +- .7	; 4.4
011	315	4.4	23.2 +- .7	; 3.5	19.7 +- .8	; 4.5
012	328	4.1	23.9 +- .7	; 3.6	19.4 +- .8	; 4.6
013	309	0.8	20.0 +- .6	; 3.0	15.6 +- .7	; 4.2
014	273	0.9	MISSING OR DAMAGED DOSIMETER			
015	292	0.8	17.6 +- .5	; 2.6	13.2 +- .6	; 3.9
016	335	0.5	18.7 +- .6	; 2.8	14.3 +- .6	; 4.0
017	120	4.3	18.8 +- .6	; 2.8	14.4 +- .6	; 4.0
018	145	3.5	16.7 +- .6	; 2.8	14.3 +- .6	; 4.0
019	153	8.1	21.5 +- .6	; 3.2	17.0 +- .7	; 4.3
020	133	8.1	22.0 +- .7	; 3.3	17.6 +- .7	; 4.4
021	116	6.7	MISSING OR DAMAGED DOSIMETER			
022	95	4.3	20.7 +- .6	; 3.1	16.3 +- .7	; 4.2
023	86	2.6	21.1 +- .6	; 3.2	16.6 +- .7	; 4.3
024	66	4.2	23.4 +- .7	; 3.5	18.9 +- .8	; 4.5
025	37	3.5	22.7 +- .7	; 3.4	18.2 +- .7	; 4.4
026	23	3.8	19.0 +- .6	; 2.8	14.6 +- .7	; 4.0
027	350	4.9	21.0 +- .6	; 3.2	16.6 +- .7	; 4.3
028	335	5.0	21.3 +- .6	; 3.2	16.9 +- .7	; 4.3
029	6	2.8	19.4 +- .6	; 2.9	15.0 +- .7	; 4.1
030	356	1.1	22.8 +- .7	; 3.4	18.3 +- .8	; 4.5
031	15	0.8	19.9 +- .6	; 3.0	15.4 +- .7	; 4.1
032	40	0.8	18.3 +- .5	; 2.7	13.9 +- .6	; 4.0
033	69	1.1	16.2 +- .5	; 2.4	11.9 +- .6	; 3.8
034	292	15.	MISSING OR DAMAGED DOSIMETER			
035	282	27.	21.9 +- .7	; 3.3	17.5 +- .7	; 4.4
036	268	21.	17.5 +- .5	; 2.6	13.1 +- .6	; 3.9
TRANSIT DOSE = 4.1 +- .3 ; 3.0						

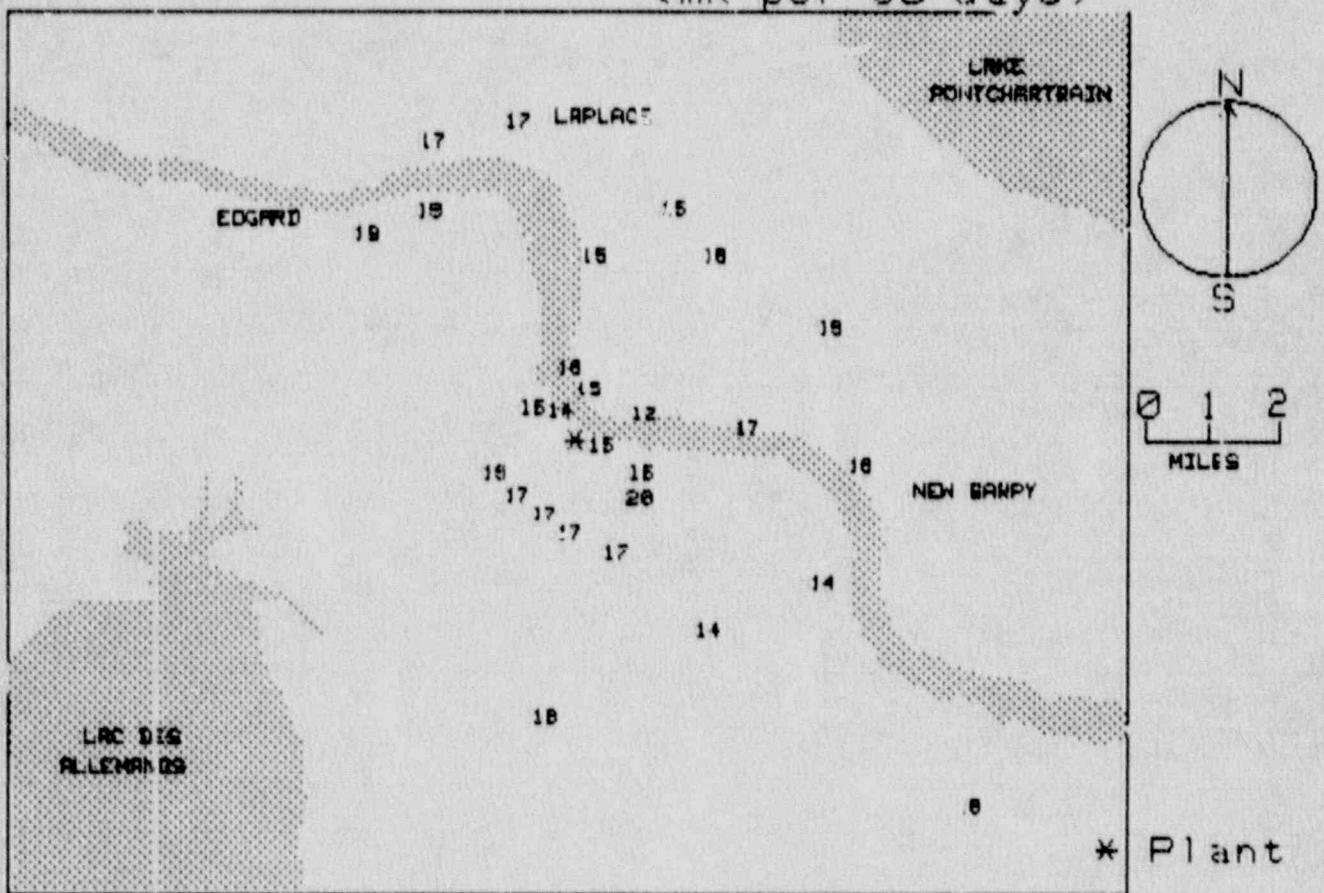
WATERFORD  
FOR THE PERIOD 900313-900802

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	◆ IN GROUP
348.75-11.25 (N)	16.8 $\pm$ 1.7	3
11.25-33.75 (NNE)	15.0 $\pm$ .6	2
33.75-56.25 (NE)	16.1 $\pm$ 3.0	2
56.25-78.75 (ENE)	15.4 $\pm$ 4.9	2
78.75-101.25 (E)	16.0 $\pm$ .8	3
101.25-123.75 (ESE)	15.3 $\pm$ 1.2	2
123.75-146.25 (SE)	17.3 $\pm$ 2.9	3
146.25-168.75 (SSE)	17.0 $\pm$ 0.0	2
168.75-191.25 (S)	17.6 $\pm$ .6	2
191.25-213.75 (SSW)	17.1 $\pm$ 0.0	1
213.75-236.25 (SW)	16.5 $\pm$ 0.0	1
236.25-258.75 (WSW)	18.7 $\pm$ 0.0	1
258.75-281.25 (W)	NO DATA $\pm$ NO DATA	0
281.25-303.75 (WNW)	13.2 $\pm$ 0.0	1
303.75-326.25 (NW)	17.2 $\pm$ 2.2	2
326.25-348.75 (NNW)	16.8 $\pm$ 2.5	3

DISTANCE (mi) FROM THE REACTOR	NET AVER. EXPOSURE RATE (mR/5+d.Qtr.) $\pm$ Std. Dev.	◆ IN GROUP
0-2	16.0 $\pm$ 2.2	15
2-5	16.7 $\pm$ 1.0	13
>5	17.3 $\pm$ .4	2
UPWIND CONTROL DATA	15.3 $\pm$ 3.0	2

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



WATTS BAR  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PEKIOI 900317-900727 133 DAYS  
 FIELD TIME 98 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)			NET EXPOSURE RATE mR/Std. Dev.		
	AZIMUTH (deg.)	DIST (mi.)	+-	Rdm;	Tot.	+-	Rdm;	Tot.
001	337	0.9	22.0	+-	.7 ; 3.3	18.7	+-	.7 ; 4.1
002	314	2.1	22.3	+-	.7 ; 3.3	18.9	+-	.7 ; 4.1
003	297	1.9	22.0	+-	.7 ; 3.3	18.6	+-	.7 ; 4.1
004	272	2.0	20.5	+-	.6 ; 3.1	17.3	+-	.6 ; 3.9
005	251	1.9	24.4	+-	.7 ; 3.7	20.9	+-	.7 ; 4.3
006	235	1.8	23.5	+-	.7 ; 3.5	20.8	+-	.7 ; 4.2
007	230	3.8	26.2	+-	.8 ; 3.9	22.5	+-	.8 ; 4.5
008	208	3.6	23.1	+-	.7 ; 3.5	19.7	+-	.7 ; 4.2
009	249	4.2	19.7	+-	.6 ; 3.0	16.6	+-	.6 ; 3.9
010	266	3.1	20.2	+-	.6 ; 3.0	17.0	+-	.6 ; 3.7
011	289	3.3	18.2	+-	.5 ; 2.7	15.2	+-	.6 ; 3.7
012	310	4.7	18.8	+-	.6 ; 2.8	15.8	+-	.6 ; 3.8
013	337	3.6	22.6	+-	.7 ; 3.4	19.2	+-	.7 ; 4.1
014	330	7.0	19.5	+-	.6 ; 2.9	16.4	+-	.6 ; 3.8
015	350	4.7	23.8	+-	.7 ; 3.6	20.3	+-	.7 ; 4.3
016	7	1.1	25.3	+-	.8 ; 3.8	21.7	+-	.7 ; 4.4
017	23	1.6	17.9	+-	.5 ; 2.7	14.9	+-	.6 ; 3.7
018	41	2.3	20.7	+-	.6 ; 3.1	17.4	+-	.6 ; 3.9
019	69	1.3	23.1	+-	.7 ; 3.5	19.7	+-	.7 ; 4.2
020	89	1.2	25.1	+-	.8 ; 3.8	21.5	+-	.7 ; 4.4
021	114	1.1	MISSING OR DAMAGED DOSIMETER					
022	141	1.0	23.6	+-	.7 ; 3.5	20.9	+-	.7 ; 4.2
023	163	1.1	27.4	+-	.8 ; 4.1	23.6	+-	.8 ; 4.7
024	187	1.1	25.1	+-	.8 ; 3.8	21.5	+-	.7 ; 4.4
025	203	1.2	22.0	+-	.7 ; 3.3	18.7	+-	.7 ; 4.1
026	184	5.9	22.7	+-	.7 ; 3.4	19.3	+-	.7 ; 4.1
027	176	4.5	21.8	+-	.7 ; 3.3	18.5	+-	.7 ; 4.1
028	161	3.5	21.7	+-	.6 ; 3.2	18.4	+-	.7 ; 4.0
029	144	3.0	MISSING OR DAMAGED DOSIMETER					
030	117	3.1	20.6	+-	.6 ; 3.1	17.4	+-	.6 ; 3.9
031	97	4.0	MISSING OR DAMAGED DOSIMETER					
032	76	4.1	18.7	+-	.6 ; 2.8	15.6	+-	.6 ; 3.8
033	32	4.1	21.9	+-	.7 ; 3.3	18.6	+-	.7 ; 4.1
034	36	4.7	19.9	+-	.6 ; 2.8	15.8	+-	.6 ; 3.8
035	338	19	21.1	+-	.6 ; 3.2	17.8	+-	.6 ; 4.0
036	338	19	20.5	+-	.6 ; 3.1	17.3	+-	.6 ; 3.9
037	338	19	21.0	+-	.6 ; 3.2	17.8	+-	.6 ; 4.0

TRANSIT DOSE = 1.7 +- .3 ; 3.0

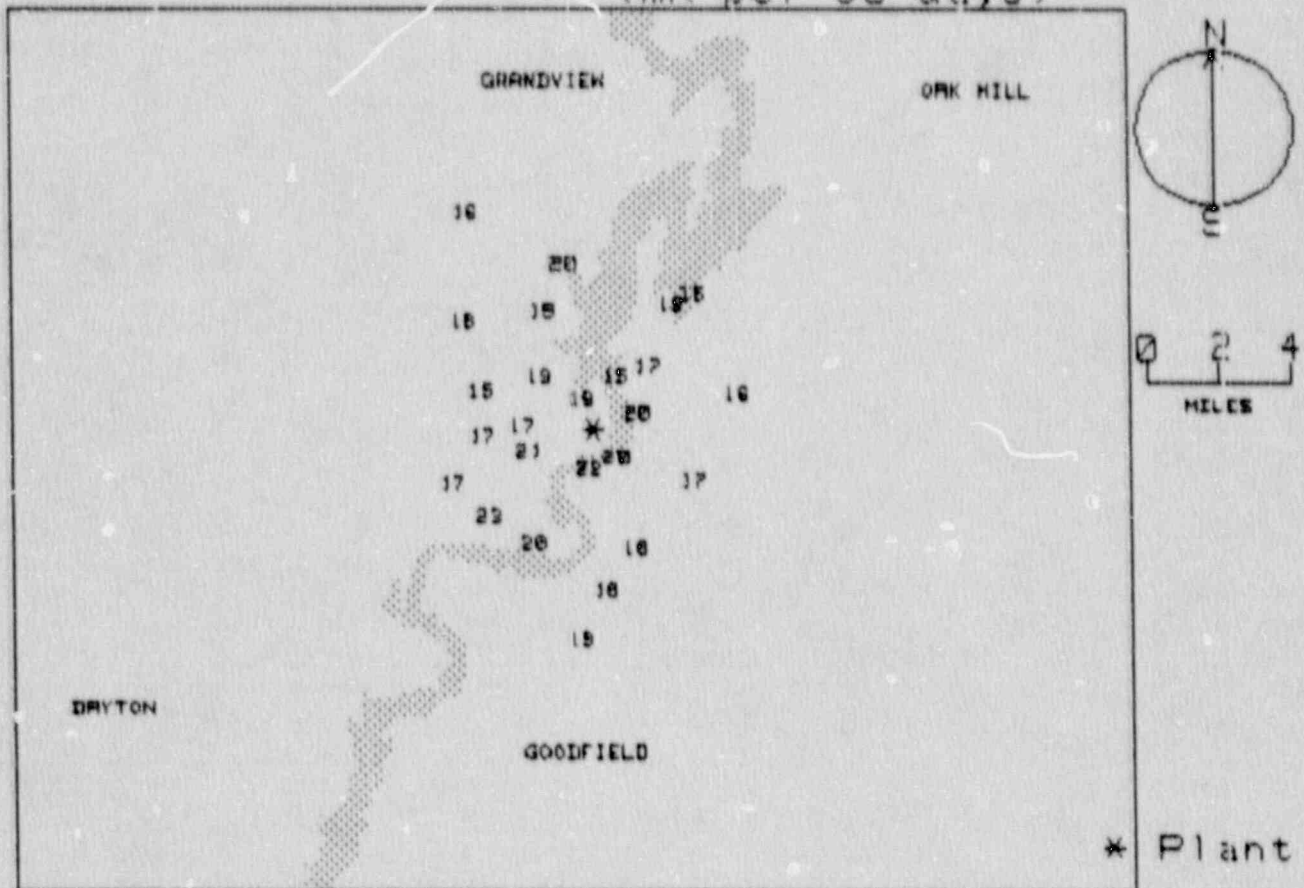
WATTS BAR  
FOR THE PERIOD 900317-900727

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
348.75-11.25 (N)	21.0 $\pm$ 1.0	2
11.25-33.75 (NNE)	16.7 $\pm$ 2.6	2
33.75-56.25 (NE)	16.8 $\pm$ 1.2	2
56.25-78.75 (ENE)	17.6 $\pm$ 2.9	2
78.75-101.25 (E)	21.5 $\pm$ 0.0	1
101.25-123.75 (ESE)	17.4 $\pm$ 0.0	1
123.75-146.25 (SE)	20.2 $\pm$ 0.0	1
146.25-168.75 (SSE)	21.0 $\pm$ 3.7	2
168.75-191.25 (S)	19.8 $\pm$ 1.6	3
191.25-213.75 (SSW)	19.2 $\pm$ .7	2
213.75-236.25 (SW)	21.3 $\pm$ 1.0	2
236.25-258.75 (WSW)	18.7 $\pm$ 3.1	2
258.75-281.25 (W)	17.2 $\pm$ .2	2
281.25-303.75 (WNW)	16.8 $\pm$ 2.5	2
303.75-326.25 (NW)	17.3 $\pm$ 2.2	2
326.25-348.75 (NNW)	18.1 $\pm$ 1.5	3

DISTANCE(mi) FROM THE REACTOR	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	# IN GROUP
0-2	19.8 $\pm$ 2.2	13
2-5	17.9 $\pm$ 2.0	16
>5	17.8 $\pm$ 2.0	2
LPWIND CONTROL DATA	17.6 $\pm$ .3	3

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



WOLF CR.  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 900313-900802 143 DAYS  
 FIELD TIME 90 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)			NET EXPOSURE RATE		
	AZIMUTH (deg.)	DIST (mi.)	±	Rdm	Tot.	mR/Std. Qtr.	±	Rdm; Tot.
001	316	2.7	26.8	±	.8 ; 4.0	19.3	±	.9 ; 5.2
002	330	1.8	14.9	±	.7 ; 3.7	17.3	±	.9 ; 5.0
003	360	1.9	26.9	±	.8 ; 4.0	19.4	±	.9 ; 5.2
004	355	1.1	25.1	±	.8 ; 3.8	17.5	±	.9 ; 5.0
005	031	1.1	26.5	±	.8 ; 4.0	18.9	±	.9 ; 5.1
006	47	2.1	22.2	±	.7 ; 3.3	14.7	±	.8 ; 4.7
007	70	1.6	24.8	±	.7 ; 3.7	17.2	±	.9 ; 4.9
008	90	1.7	29.0	±	.9 ; 4.3	21.4	±	1.0 ; 5.4
009	111	2.4	26.8	±	.8 ; 4.0	19.2	±	.9 ; 5.2
010	137	2.5	25.6	±	.8 ; 3.8	18.1	±	.9 ; 5.0
011	157	3.4	27.7	±	.8 ; 4.1	20.1	±	.9 ; 5.3
012	184	3.3	26.9	±	.8 ; 4.0	19.3	±	.9 ; 5.2
013	213	2.9	27.4	±	.8 ; 4.1	19.8	±	.9 ; 5.2
014	233	2.4	27.6	±	.8 ; 4.1	20.0	±	.9 ; 5.3
015	248	2.2	26.3	±	.8 ; 3.9	18.7	±	.9 ; 5.1
016	270	2.1	25.8	±	.8 ; 3.9	18.2	±	.9 ; 5.1
017	270	3.4	23.5	±	.7 ; 3.5	15.9	±	.8 ; 4.8
018	263	4.2	29.0	±	.9 ; 4.4	21.5	±	1.0 ; 5.4
019	257	5.0	25.5	±	.8 ; 3.8	18.0	±	.9 ; 5.0
020	280	3.9	25.2	±	.8 ; 3.8	17.7	±	.9 ; 5.0
021	298	3.9	27.4	±	.8 ; 4.1	19.8	±	.9 ; 5.2
022	319	4.0	23.7	±	.7 ; 3.5	16.1	±	.8 ; 4.8
023	332	5.0	26.3	±	.8 ; 3.9	18.7	±	.9 ; 5.1
024	19	3.9	26.0	±	.8 ; 3.9	18.5	±	.9 ; 5.1
025	35	4.4	23.7	±	.7 ; 3.5	16.1	±	.8 ; 4.8
026	67	4.3	24.3	±	.7 ; 3.6	16.8	±	.9 ; 4.9
027	88	4.1	27.1	±	.8 ; 4.1	19.5	±	.9 ; 5.2
028	110	4.5	26.0	±	.8 ; 3.9	18.5	±	.9 ; 5.1
029	128	4.4	27.3	±	.8 ; 4.1	19.8	±	.9 ; 5.2
030	112	16.	23.8	±	.7 ; 3.6	16.3	±	.8 ; 4.8
031	127	9.4	24.1	±	.7 ; 3.6	16.6	±	.9 ; 4.9
032	162	11	21.9	±	.7 ; 3.3	14.4	±	.8 ; 4.6
033	153	5.2	25.0	±	.8 ; 3.8	18.1	±	.9 ; 5.0
034	174	4.7	27.2	±	.8 ; 4.1	19.7	±	.9 ; 5.2
035	197	5.2	28.8	±	.9 ; 4.3	21.2	±	1.0 ; 5.4
036	224	4.8	25.0	±	.8 ; 3.8	17.5	±	.9 ; 5.0
037	220	14.	23.9	±	.7 ; 3.6	16.4	±	.8 ; 4.9
038	253	6.5	28.1	±	.8 ; 4.2	20.6	±	1.0 ; 5.3
039	278	10.	21.8	±	.7 ; 3.3	14.3	±	.8 ; 4.6
040	285	15.	24.2	±	.7 ; 3.6	16.6	±	.9 ; 4.9
041	292	6.7	22.7	±	.7 ; 3.4	15.1	±	.8 ; 4.7
042	345	13.	27.0	±	.8 ; 4.1	19.4	±	.9 ; 5.2
043	5	7.5	26.3	±	.8 ; 3.9	18.8	±	.9 ; 5.1
044	020	8.3	28.2	±	.8 ; 4.2	20.7	±	1.0 ; 5.3
045	315	7.5	28.5	±	.9 ; 4.3	21.0	±	1.0 ; 5.4
046	341	7.7	27.2	±	.8 ; 4.1	19.6	±	.9 ; 5.2
047	355	1	26.6	±	.8 ; 4.0	19.1	±	.9 ; 5.2

TRANSIT DOSE = 7.5 ± .4 ; 3.3



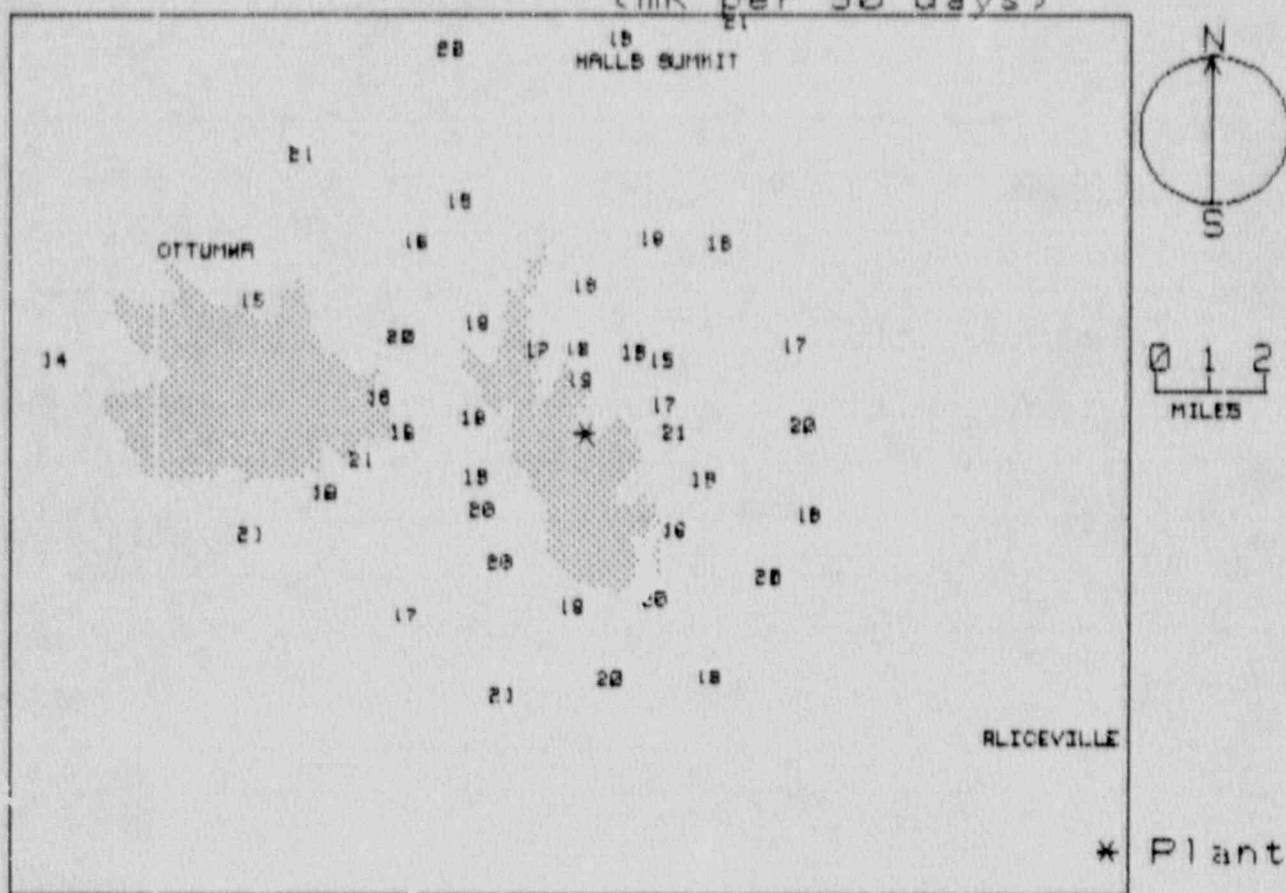
WOLF CR.  
FOR THE PERIOD 900313-900802

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	$\phi$ IN GROUP
348.75-11.25 (N)	18.7 $\pm$ .8	4
11.25-33.75 (NNE)	19.4 $\pm$ 1.2	3
33.75-56.25 (NE)	15.4 $\pm$ 1.0	2
56.25-78.75 (ENE)	17.0 $\pm$ .3	2
78.75-101.25 (E)	20.5 $\pm$ 1.3	2
101.25-123.75 (ESE)	18.0 $\pm$ 1.5	3
123.75-146.25 (SE)	18.1 $\pm$ 1.6	3
146.25-168.75 (SSE)	17.5 $\pm$ 2.9	3
168.75-191.25 (S)	19.5 $\pm$ .2	2
191.25-213.75 (SSW)	20.5 $\pm$ 1.0	2
213.75-236.25 (SW)	18.0 $\pm$ 1.9	3
236.25-258.75 (WSW)	19.1 $\pm$ 1.3	3
258.75-281.25 (W)	17.5 $\pm$ 2.7	5
281.25-303.75 (WNW)	17.2 $\pm$ 2.4	3
303.75-326.25 (NW)	18.8 $\pm$ 2.5	3
326.25-348.75 (NNW)	18.8 $\pm$ 1.0	4

DISTANCE(mi) FROM THE REACTOR	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	$\phi$ IN GROUP
1-2	18.0 $\pm$ 2.1	7
2-5	18.6 $\pm$ 1.4	25
>5	17.9 $\pm$ 2.4	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 900317-900802 139 DAYS  
 FIELD TIME 89 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE(mR)			NET EXPOSURE RATE		
	AZIMUTH (deg.)	DIST (mi.)	+- Rdm;Tot.			mR/Std.Qtr. +- Rdm;Tot.		
001	0	.8	MISSING OR DAMAGED DOSIMETER					
002	265	14.	23.1 +- .7 ; 3.5	15.1 +- .8 ; 4.8				
003	137	12.	22.7 +- .7 ; 3.4	14.7 +- .8 ; 4.8				
005	85	2.2	21.4 +- .6 ; 3.2	13.4 +- .8 ; 4.7				
006	118	2.6	22.6 +- .7 ; 3.4	14.6 +- .8 ; 4.8				
007	137	2.1	25.0 +- .7 ; 3.7	17.0 +- .9 ; 5.1				
008	153	1.7	24.0 +- .7 ; 3.6	16.0 +- .9 ; 4.9				
009	176	1.1	22.9 +- .7 ; 3.4	14.9 +- .8 ; 4.8				
010	203	.5	25.1 +- .8 ; 3.8	17.1 +- .9 ; 5.1				
011	219	.6	23.5 +- .7 ; 3.5	15.5 +- .9 ; 4.9				
012	239	1.1	26.2 +- .8 ; 3.9	18.2 +- .9 ; 5.2				
013	272	1.8	25.0 +- .8 ; 3.8	17.0 +- .9 ; 5.1				
014	292	1.3	25.4 +- .8 ; 3.8	17.4 +- .9 ; 5.1				
015	315	1.6	24.6 +- .7 ; 3.7	16.6 +- .9 ; 5.0				
016	348	1.4	24.1 +- .7 ; 3.6	16.1 +- .9 ; 5.0				
017	358	2.8	23.6 +- .7 ; 3.5	15.6 +- .9 ; 4.9				
018	21	2.8	22.9 +- .7 ; 3.4	14.9 +- .8 ; 4.8				
019	43	5.8	22.9 +- .7 ; 3.4	14.9 +- .8 ; 4.8				
020	75	6	25.3 +- .8 ; 3.8	17.3 +- .9 ; 5.1				
021	98	6	23.0 +- .7 ; 3.4	15.0 +- .8 ; 4.8				
022	104	5.2	21.5 +- .6 ; 3.2	13.5 +- .8 ; 4.7				
023	133	5.7	20.2 +- .6 ; 3.0	12.1 +- .8 ; 4.5				
024	157	7.5	19.6 +- .6 ; 2.9	11.5 +- .8 ; 4.5				
025	184	6.3	24.7 +- .7 ; 3.7	16.7 +- .9 ; 5.0				
027	225	5.9	24.3 +- .7 ; 3.6	16.3 +- .9 ; 5.0				
029	269	3.5	26.2 +- .8 ; 3.9	18.2 +- .9 ; 5.2				
032	342	3.3	24.2 +- .7 ; 3.6	16.2 +- .9 ; 5.0				
034	48	7.3	24.8 +- .7 ; 3.7	16.8 +- .9 ; 5.0				
035	30	2.3	22.2 +- .7 ; 3.3	14.2 +- .8 ; 4.7				
047	260	9.6	23.9 +- .7 ; 3.6	15.9 +- .9 ; 4.9				
048	261	9	25.4 +- .8 ; 3.8	17.4 +- .9 ; 5.1				
TRANSIT DOSE =			8.2 +- .5 ; 3.3					

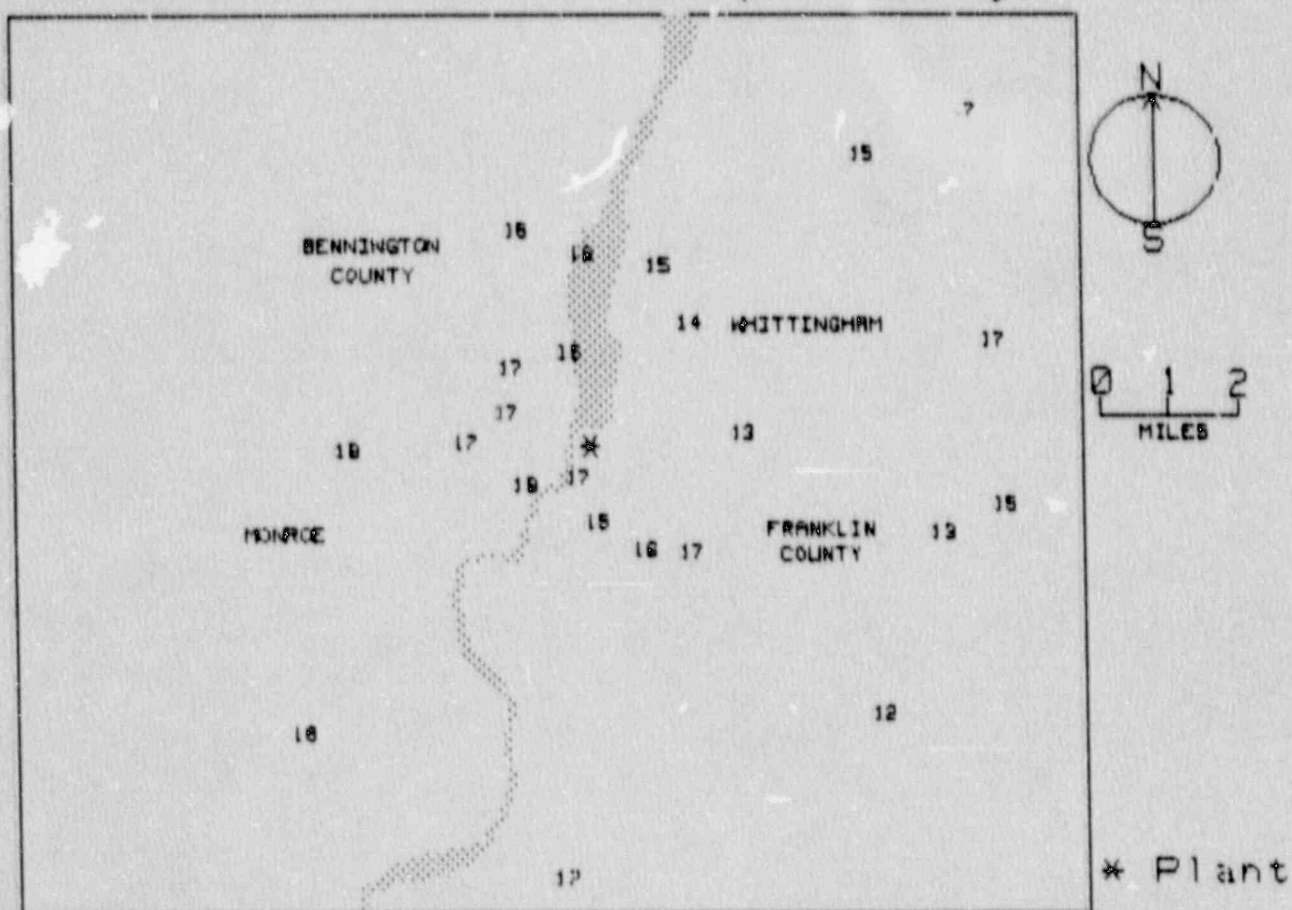
YANKEE ROWE  
FOR THE PERIOD 900317-900802

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	◆ IN GROUP
348.75-11.25 (N)	15.6 $\pm$ 0.0	1
11.25-33.75 (NNE)	14.9 $\pm$ 0.0	1
33.75-56.25 (NE)	15.3 $\pm$ 1.4	3
56.25-78.75 (ENE)	17.3 $\pm$ 0.0	1
78.75-101.25 (E)	14.2 $\pm$ 1.1	2
101.25-123.75 (ESE)	14.0 $\pm$ .8	2
123.75-146.25 (SE)	14.6 $\pm$ 2.4	3
146.25-168.75 (SSE)	13.8 $\pm$ 3.2	2
168.75-191.25 (S)	15.8 $\pm$ 1.3	2
191.25-213.75 (SSW)	17.1 $\pm$ 0.0	1
213.75-236.25 (SW)	13.9 $\pm$ .5	2
236.25-258.75 (WSW)	19.2 $\pm$ 0.0	1
258.75-281.25 (W)	16.8 $\pm$ 1.6	3
281.25-303.75 (WNW)	17.4 $\pm$ 0.0	1
303.75-326.25 (NW)	16.6 $\pm$ 0.0	1
326.25-348.75 (NNW)	16.1 $\pm$ .1	2

DISTANCE (mi) FROM THE REACTOR	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	◆ IN GROUP
0-2	16.5 $\pm$ 1.0	9
2-5	15.5 $\pm$ 1.6	8
>5	14.9 $\pm$ 1.9	11
UPWIND CONTROL DATA	16.7 $\pm$ 1.1	2

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



210H  
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING  
 FOR THE PERIOD 900312-900727 138 DAYS  
 FIELD TIME 91 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)		NET EXPOSURE RATE mR/Std. Dev.	
	AZIMUTH (deg.)	DIST (mi.)	+ Rdm	Tot.	+ Rdm	Tot.
001	290	0.8	19.8	3.0	15.9	4.1
002	192	1.0	16.1	2.4	12.3	3.8
003	187	1.5	16.8	2.5	13.0	3.8
004	227	2.4	21.1	3.2	17.2	4.3
005	257	1.0	MISSING OR DAMAGED DOSIMETER			
006	264	1.2	19.6	2.9	15.7	4.1
007	287	1.6	20.6	3.1	16.8	4.2
008	320	1.8	16.8	2.5	13.0	3.8
009	343	2.6	MISSING OR DAMAGED DOSIMETER			
010	356	4.5	17.9	2.7	14.1	3.9
011	337	4.5	20.2	3.0	16.4	4.2
012	310	4.0	23.2	3.5	19.3	4.5
013	293	3.5	21.7	3.2	17.8	4.3
014	280	4.5	22.3	3.3	18.5	4.4
015	239	3.2	21.9	3.3	18.1	4.4
016	227	3.5	21.7	3.3	17.9	4.3
017	210	4.5	19.0	2.8	15.1	4.0
018	206	2.8	18.6	2.8	14.7	4.0
019	342	2.7	17.8	2.7	14.0	3.9
020	197	15	22.8	3.4	18.9	4.5
021	352	7.9	19.7	2.9	15.8	4.1
022	348	8.3	MISSING OR DAMAGED DOSIMETER			
023	336	8.5	22.7	3.4	18.8	4.4
024	314	5.8	21.0	3.1	17.1	4.3
025	220	6.3	MISSING OR DAMAGED DOSIMETER			
026	195	8.0	17.9	2.7	14.1	3.9
028	197	15	22.9	3.4	19.0	4.5
030	320	9.8	21.5	3.2	17.6	4.3
031	229	8.0	20.5	3.1	16.6	4.2
032	193	14	23.6	3.5	19.7	4.5
TRANSIT DOSE =			3.6	2.9		

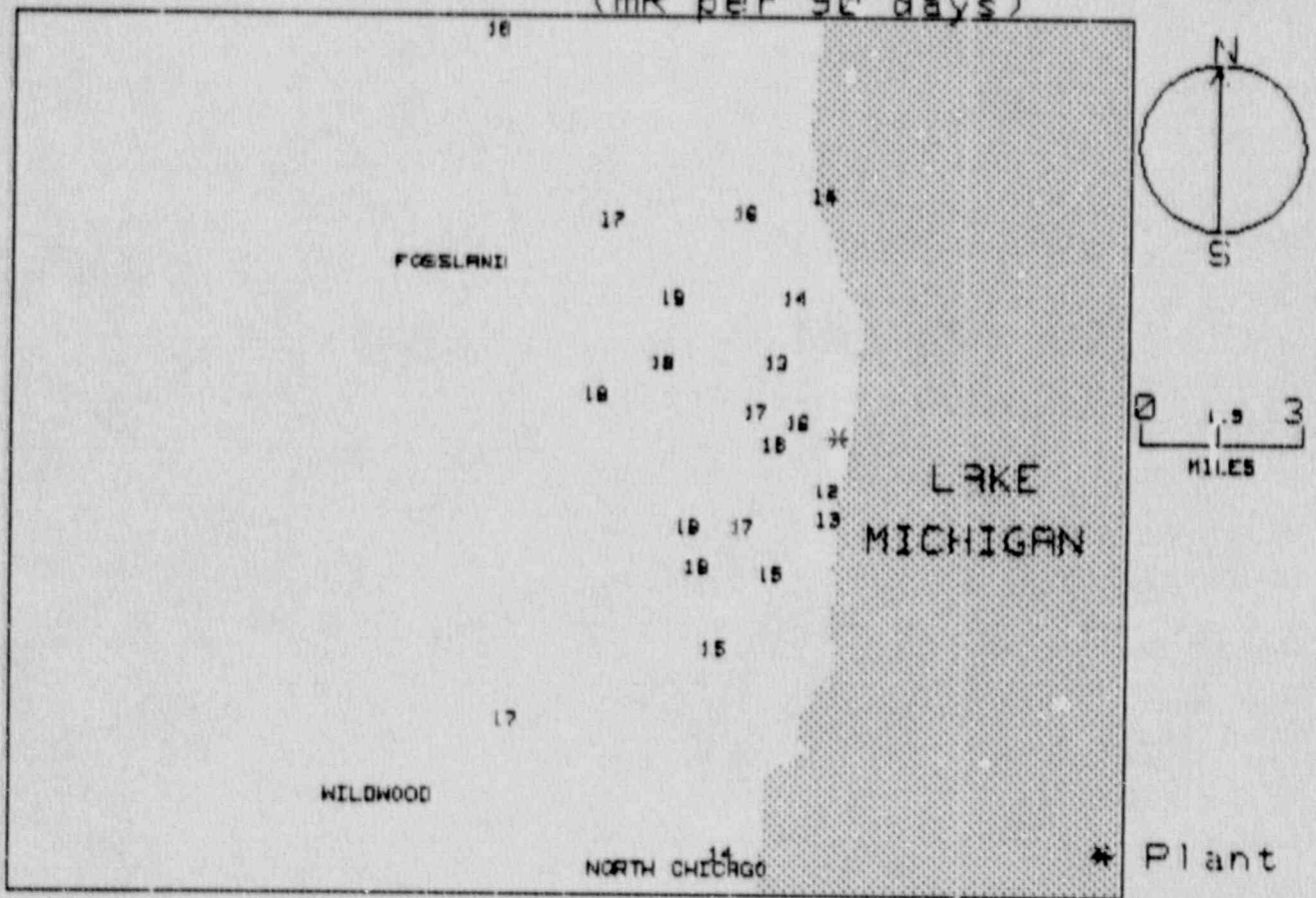
ZION  
FOR THE PERIOD 900312-900727

## TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	◆ IN GROUP
348.75-11.25 (N)	15.0 $\pm$ 1.2	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)	13.0 $\pm$ 0.0	1
191.25-213.75 (SSW)	14.1 $\pm$ 1.3	4
213.75-236.25 (SW)	17.2 $\pm$ .6	3
236.25-258.75 (WSW)	18.1 $\pm$ 0.0	1
258.75-281.25 (W)	17.1 $\pm$ 1.9	2
281.25-303.75 (WNW)	16.8 $\pm$ .9	3
303.75-326.25 (NW)	16.8 $\pm$ 2.7	4
326.25-348.75 (NNW)	16.4 $\pm$ 2.4	3

DISTANCE(mi) FROM THE REACTOR	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) $\pm$ Std. Dev.	◆ IN GROUP
0-2	14.5 $\pm$ 1.9	6
2-5	16.6 $\pm$ 1.9	11
>5	16.7 $\pm$ 1.6	6
UPWIND CONTROL DATA	19.2 $\pm$ .4	3

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





**BIBLIOGRAPHIC DATA SHEET**

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Vol. 10, No. 2

SEE INSTRUCTIONS ON THE REVERSE

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April-June 1990

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This report provides the status and results of the NRC Thermoluminescent Dosimeter (TLD) Direct Radiation Monitoring Network. It presents the radiation levels measured in the vicinity of NRC licensed facilities throughout the country for the second quarter of 1990.

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