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NRC TLD Direct Radiation Monitoring Network

Progress Report
April-June 1982

U.S. Nuclear Regulatory Commission

NRC Region I

F. Costello, T. Thompson, L. Cohen

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U.S. Nuclear Regulatory Commission
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Preface

This report is part of a continuing series providing data from the NRC's Thermoluminescent Dosimeter (TLD) Direct Radiation Monitoring Network. This report presents data for the second quarter of 1982.

The network is operated by the NRC in cooperation with participating states. The report presents the radiation exposure levels measured in the vicinities of NRC-licensed facilities throughout the country and includes facilities under construction as well as those which are in operation. A complete listing of the sites monitored is included. Each site is monitored by approximately 40 TLD stations located in concentric rings. A complete description of the program can be found in NUREG-0837, Volume 1, Numbers 1 and 2. The results of NBS testing of the NRC environmental radiation dosimeter are available in NUREG/CR-2560.

The measured radiation levels are reported in units of milliroentgens. They are gross exposures and include exposures received while the dosimeters were in transit as well as exposures received in the field. A control TLD, labeled CTL TLD in the reports, accompanied the TLD shipment during transit and was stored in a low background area while the other TLDs were in the field. The control TLD exposure is given for the purpose of comparison and as an indication of transit exposure to the field TLDs. Station numbers which are not included represent stations which have been deleted, stations for which the TLD was lost during the quarter, or stations for which the TLD was damaged. In the past, different station numbers were assigned to the same location on alternating quarters because different dosimeters were used for each alternate quarter. Thus, for example, station numbers 1 and 51 were assigned to location 1 on alternate quarters. Henceforth, the same station number will be assigned each quarter and this will be the location number. Further detail on the actual locations of the monitoring stations is included in NUREG 0837, Volume 1, Numbers 1 and 2.

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 exposure for the period, and the exposure normalized to a ninety-day quarter (standard quarter). The "std. dev." identified in the reports refers to the measurement error as determined by the standard deviation of the mean of the readings of the two calcium sulfate elements in each dosimeter.

The second set of data summarizes in tabular form the average exposure measured in each of the sixteen standard windrose sectors around the facility and normalized to a standard quarter. The "std. dev." refers to the standard deviation of the measurements made in each sector.

The third set of data summarizes in tabular form the average exposure measured at three ranges of distances from the facility and normalized to a standard quarter. The "std. dev." refers to the standard deviation of the measurements made in each range. Included in this table are the results from the dosimeter stations which have been established at radial distances out to 15 to 20 miles from the plant site in a predominently upwind direction. These stations are

intended to serve as indication of the ambient radiation levels that are not expected to be influenced by plant operations. These results are designated UPWIND CONTROL DATA.

During this quarter, a problem was identified with the type of dosimeter used in the monitoring program. Bubbles developed on the backing of the thermoluminescent elements of some dosimeters which could decrease the sensitivity of those elements of the dosimeter. The data included in this report have been screened and, where affected data have been identified, they were deleted from this report.

Sites Monitored During Second Quarter, 1982

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

ARKANSAS

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820102-820712 113 DAYS
FIELD TIME 820405-820709 96 DAYS

NRC STATION	LOCATION AZIMUTH (deg.)	DIST (mi.)	GROSS EXPOSURE (mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
050	CTL	TLD	8.0 +- .1	6.4 +- .1
001	4	0.40	17.3 +- .4	13.8 +- .3
002	353	4.10	21.3 +- .2	17.0 +- .1
003	32	1.30	18.6 +- .0	14.8 +- .0
004	13	3.30	17.6 +- .0	14.0 +- .0
005	53	1.50	18.5 +- .0	14.7 +- .0
006	37	3.60	17.0 +- .1	13.5 +- .1
007	78	2.50	18.8 +- .9	14.9 +- .8
008	60	3.20	19.0 +- .1	15.2 +- .1
009	92	0.50	19.7 +- .3	15.7 +- .3
010	83	5.50	17.9 +- .4	14.2 +- .3
011	122	2.10	16.5 +- .1	13.1 +- .1
012	109	6.80	19.0 +- .3	15.1 +- .2
013	138	2.60	15.3 +- .4	12.2 +- .3
014	130	4.90	16.9 +- .5	13.5 +- .4
016	167	4.40	18.6 +- .4	14.8 +- .3
017	171	0.40	17.6 +- .7	14.0 +- .5
018	189	3.20	18.4 +- .7	14.7 +- .5
019	205	2.90	17.4 +- .3	13.8 +- .3
020	195	5.80	15.7 +- .0	12.5 +- .0

ARKANSAS

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820322-820712 113 DAYS
FIELD TIME 820405-820709 96 DAYS

NRC STATION	LOCATION AZIMUTH (deg.)	LOCATION DIST (mi.)	GROSS EXPOSURE (mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
021	235	0.50	20.3 +- .4	16.2 +- .3
022	230	3.60	14.6 +- .0	11.6 +- .0
023	257	2.80	15.5 +- .4	12.3 +- .3
024	243	4.50	17.2 +- .6	13.7 +- .5
025	279	1.20	21.3 +- .2	17.0 +- .2
027	298	0.40	20.6 +- .4	16.4 +- .3
028	293	5.80	17.6 +- .2	14.0 +- .2
029	326	1.90	18.8 +- .3	14.9 +- .2
030	308	4.80	18.4 +- .4	14.7 +- .3
031	345	1.30	19.1 +- .7	15.2 +- .5
032	335	4.20	16.7 +- .2	13.3 +- .2
033	110	0.80	19.2 +- .1	15.3 +- .0
039	112	6.00	19.8 +- .0	15.8 +- .0
040	147	8.00	20.0 +- .8	16.0 +- .7
041	106	17.0	19.2 +- .4	15.3 +- .3
042	310	17.0	17.2 +- .1	13.7 +- .1
043	0	5.20	20.6 +- .2	16.4 +- .2
044	0	9.10	18.5 +- .4	14.7 +- .3
045	0	8.90	16.5 +- .8	13.1 +- .6
046	0	8.30	19.4 +- .1	15.5 +- .1
047	-	-	17.4 +- .2	13.8 +- .2

ARKANSAS

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820322-820712 113 DAYS
FIELD TIME 820405-820709 96 DAYS

NRC STATION	LOCATION AZIMUTH (deg.)	LOCATION DIST (mi.)	GROSS EXPOSURE (mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
048	-	-	23.4 +- .2	18.6 +- .1
049	-	-	18.2 +- .4	14.5 +- .3

ARKANSAS
FOR THE PERIOD 820322-820712 113 DAYS

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
348.75-11.25 (N)	15.1 +- 1.5	6
11.25-33.75 (NNE)	14.4 +- .6	2
33.75-56.25 (NE)	14.1 +- .9	2
56.25-78.75 (ENE)	15.1 +- .2	2
78.75-101.25 (E)	15.0 +- 1.0	2
101.25-123.75(ESE)	14.8 +- 1.0	5
123.75-146.25(SE)	12.8 +- .5	2
146.25-168.75(SSE)	15.4 +- .8	2
168.75-191.25(S)	14.3 +- .5	2
191.25-213.75(SSW)	13.2 +- 1.0	2
213.75-236.25(SW)	13.9 +- 3.2	2
236.25-258.75(WSW)	13.0 +- 1.0	2
258.75-281.25(W)	17.0 +- 0.0	1
281.25-303.75(WNW)	15.2 +- 1.6	2
303.75-326.25(NW)	14.5 +- .6	3
326.25-348.75(NNW)	14.3 +- 1.4	2

DISTANCE(mi) FROM THE REACTOR	AVER.EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
0-2	15.3 +- 1.0	11
2-5	13.9 +- 1.3	16
>5	14.7 +- 1.2	12
UPWIND CONTROL DATA	15.7 +- 2.6	3

BEAVER VALLEY

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820322-820712 113 DAYS
FIELD TIME 820329-820707 101 DAYS

NRC STATION	LOCATION AZIMUTH (deg.)	LOCATION DIST (mi.)	GROSS EXPOSURE(mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
001	344	15.8	22.2 +- .6	17.7 +- .4
004	31	12.0	26.7 +- .5	21.3 +- .4
005	55	8.40	24.4 +- .1	19.5 +- .1
006	60	9.50	25.6 +- .1	20.4 +- .1
007	97	8.00	25.7 +- .2	20.4 +- .1
008	110	4.30	26.5 +- .7	21.1 +- .6
009	110	2.20	25.0 +- .2	19.9 +- .2
010	91	2.40	22.1 +- .0	17.6 +- .0
011	77	3.70	25.4 +- .3	20.2 +- .3
012	153	4.20	23.0 +- .3	18.3 +- .2
013	170	4.40	24.5 +- .5	19.5 +- .4
014	190	4.40	24.0 +- .6	19.1 +- .5
015	208	3.50	25.3 +- .6	20.2 +- .4
016	264	5.60	21.4 +- .0	17.0 +- .0
019	267	2.30	22.9 +- .6	18.2 +- .5
020	294	3.40	22.0 +- .1	17.5 +- .1
022	220	1.30	18.7 +- .2	14.9 +- .1
023	255	2.30	27.6 +- .9	22.0 +- .7
025	186	2.10	25.4 +- 1.5	20.2 - 1.2
026	190	2.20	25.6 +- .1	20.4 +- .1

BEAVER VALLEY

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820322-820712 113 DAYS
FIELD TIME 820329-820707 101 DAYS

NRC STATION	LOCATION AZIMUTH (deg.)	DIST (mi.)	GROSS EXPOSURE (mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
027	125	2.00	20.7 +- .2	16.5 +- .1
028	87	1.60	28.3 +- .4	22.6 +- .3
029	59	1.50	25.1 +- .6	20.0 +- .5
030	59	1.20	24.0 +- .4	19.1 +- .3
031	320	1.20	26.2 +- .1	20.9 +- .1
033	341	2.50	24.9 +- .2	19.8 +- .2
034	343	5.20	22.6 +- .4	18.0 +- .3
035	9	3.60	25.2 +- .3	20.0 +- .3
036	14	3.30	26.7 +- 1.0	21.3 +- .8
037	37	3.00	17.5 +- .3	13.9 +- .2
038	22	1.80	26.3 +- 1.4	21.0 +- 1.1
039	351	1.60	24.9 +- .4	19.8 +- .3
040	344	15.8	23.2 +- .4	18.5 +- .3
041	344	15.8	22.1 +- .7	17.6 +- .5
050	CTL	TLD	12.0 +- .4	9.6 +- .3

BEAVER VALLEY
FOR THE PERIOD 820322-820712 113 DAYS

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
348.75-11.25 (N)	19.8 +- .1	2
11.25-33.75 (NNE)	21.2 +- .2	3
33.75-56.25 (NE)	17.5 +- 3.1	3
56.25-78.75 (ENE)	20.2 +- .2	3
78.75-101.25 (E)	20.2 +- 2.5	3
101.25-123.75(ESE)	20.5 +- .8	2
123.75-146.25(SE)	16.5 +- 0.0	1
146.25-168.75(SSE)	18.3 +- 0.0	1
168.75-191.25(S)	19.8 +- .6	4
191.25-213.75(SSW)	20.2 +- 0.0	1
213.75-236.25(SW)	14.9 +- 0.0	1
236.25-258.75(WSW)	22.0 +- 0.0	1
258.75-281.25(W)	17.6 +- .9	2
281.25-303.75(WNW)	17.5 +- 0.0	1
303.75-326.25(NW)	20.9 +- 0.0	1
326.25-348.75(NNW)	18.9 +- 1.3	2

DISTANCE(mi) FROM THE REACTOR	AVER.EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
0-2	19.3 +- 2.5	8
2-5	19.4 +- 1.9	17
>5	19.4 +- 1.6	6
UPWIND CONTROL DATA	17.9 +- .5	3

BIG ROCK POINT

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820322-820722 123 DAYS
FIELD TIME 820403-820713 102 DAYS

NRC STATION	LOCATION AZIMUTH (deg.)	DIST (mi.)	GROSS EXPOSURE (mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
050	CTL	TLD	15.0 +- .6	11.0 +- .5
001	208	4.90	22.4 +- .3	16.4 +- .2
002	220	3.60	24.0 +- .7	17.5 +- .5
003	204	2.40	23.9 +- .3	17.5 +- .2
004	176	3.30	22.1 +- .3	16.2 +- .2
005	161	4.60	22.4 +- .4	16.4 +- .3
006	133	4.70	24.0 +- 1.6	17.6 +- 1.1
007	116	3.70	24.6 +- .3	18.0 +- .2
008	111	4.70	24.0 +- 1.0	17.6 +- .7
009	98	4.50	23.5 +- .7	17.2 +- .5
010	88	12.4	21.8 +- 1.4	15.9 +- 1.1
011	83	16.0	22.8 +- .3	16.7 +- .2
012	83	16.0	23.5 +- .4	17.2 +- .3
013	83	16.0	20.9 +- 1.2	15.3 +- .9
014	77	3.40	19.7 +- .9	14.4 +- .7
015	96	1.80	23.7 +- .1	17.3 +- .0
016	118	2.00	23.3 +- .0	17.0 +- .0
017	134	2.00	22.8 +- .1	16.7 +- .1
018	222	1.90	20.8 +- 1.2	15.2 +- .9
019	194	1.40	24.0 +- .0	17.5 +- .0

BIG ROCK POINT

ILD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820322-820722 123 DAYS
FIELD TIME 820403-820713 102 DAYS

NRC STATION	LOCATION AZIMUTH (deg.)	DIST (mi.)	GROSS EXPOSURE (mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
020	179	1.50	21.9 +- .2	16.0 +- .1
021	153	1.10	21.6 +- .4	15.8 +- .3

BIG ROCK POINT
FOR THE PERIOD 820322-820722 123 DAYS

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
348.75-11.25 (N)	0.0 +- 0.0	0
11.25-33.75 (NNE)	0.0 +- 0.0	0
33.75-56.25 (NE)	0.0 +- 0.0	0
56.25-78.75 (ENE)	14.4 +- 0.0	1
78.75-101.25 (E)	16.8 +- .8	3
101.25-123.75(ESE)	17.5 +- .5	3
123.75-146.25(SE)	17.1 +- .6	2
146.25-168.75(SSE)	16.1 +- .4	2
168.75-191.25(S)	16.1 +- .1	2
191.25-213.75(SSW)	17.1 +- .6	3
213.75-236.25(SW)	16.4 +- 1.7	2
236.25-258.75(WSW)	0.0 +- 0.0	0
258.75-281.25(W)	0.0 +- 0.0	0
281.25-303.75(WNW)	0.0 +- 0.0	0
303.75-326.25(NW)	0.0 +- 0.0	0
326.25-348.75(NNW)	0.0 +- 0.0	0

DISTANCE(mi) FROM THE REACTOR	AVER.EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
0-2	16.5 +- .9	7
2-5	16.9 +- 1.1	10
>5	15.9 +- 0.0	1
UPWIND CONTROL DATA	16.4 +- 1.0	3

BROWNS FERRY

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820322-820715 116 DAYS
FIELD TIME 820407-820706 91 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
050	CTL	TLD	9.3 +- .1	7.2 +- .1
001	130	9.00	16.1 +- .2	12.5 +- .2
002	133	5.50	15.1 +- .7	11.7 +- .5
003	153	4.30	16.7 +- .5	13.0 +- .4
004	210	5.80	19.5 +- .1	15.1 +- .1
005	220	6.00	17.3 +- .9	13.4 +- .7
008	257	11.1	18.2 +- .2	14.1 +- .1
009	295	7.00	20.0 +- 1.6	15.5 +- 1.2
010	292	4.50	18.5 +- .5	14.4 +- .4
011	269	1.90	18.9 +- .0	14.6 +- .0
012	240	2.60	18.9 +- .1	14.7 +- .1
013	220	1.70	19.8 +- .6	15.4 +- .5
014	268	17.0	18.5 +- .4	14.3 +- .3
015	201	3.00	19.4 +- .2	15.1 +- .1
016	181	3.00	24.2 +- .9	18.8 +- .7
017	50	9.50	20.2 +- .4	15.6 +- .3
018	51	3.50	21.8 +- .4	16.9 +- .3
019	62	3.20	17.3 +- .2	13.4 +- .1
020	86	2.80	22.6 +- .7	17.6 +- .5
021	111	3.10	23.3 +- 1.1	18.1 +- .9

BROWNS FERRY

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820322-820715 116 DAYS
FIELD TIME 820407-820706 91 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
022	64	1.10	23.7 +- .4	18.4 +- .3
023	90	26.0	18.6 +- .1	14.4 +- .1
024	111	0.80	23.6 +- .8	18.3 +- .6
025	46	2.20	20.0 +- .6	15.5 +- .4
026	26	1.70	24.2 +- .3	18.8 +- .3
027	333	1.70	21.4 +- .9	16.6 +- .7
028	335	1.00	22.4 +- .4	17.4 +- .3
029	27	3.80	22.0 +- .0	17.0 +- .0
030	0	4.00	19.6 +- .0	15.2 +- .0
031	340	5.30	23.7 +- .2	18.4 +- .1
032	312	12.0	20.9 +- .4	16.2 +- .3
033	0	1.50	26.3 +- .2	20.4 +- .2
034	52	7.00	21.8 +- .1	16.9 +- .1
035	95	5.40	22.1 +- .2	17.1 +- .2
036	68	5.60	22.1 +- .1	17.2 +- .1
037	149	7.80	20.6 +- .6	16.0 +- .4
038	164	7.00	18.3 +- 1.0	14.2 +- .8

BROWNS FERRY
FOR THE PERIOD 820322-820715 116 DAYS

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
348.75-11.25 (N)	17.8 +- 3.7	2
11.25-33.75 (NNE)	17.9 +- 1.2	2
33.75-56.25 (NE)	16.2 +- .8	4
56.25-78.75 (ENE)	16.3 +- 2.6	3
78.75-101.25 (E)	16.4 +- 1.7	3
101.25-123.75(ESE)	18.2 +- .2	2
123.75-146.25(SE)	12.1 +- .6	2
146.25-168.75(SSE)	14.4 +- 1.5	3
168.75-191.25(S)	18.8 +- 0.0	1
191.25-213.75(SSW)	15.1 +- .1	2
213.75-236.25(SW)	14.4 +- 1.4	2
236.25-258.75(WSW)	14.7 +- 0.0	1
258.75-281.25(W)	14.6 +- 0.0	1
281.25-303.75(WNW)	14.9 +- .8	2
303.75-326.25(NW)	16.2 +- 0.0	1
326.25-348.75(NNW)	17.4 +- .9	3

DISTANCE(mi) FROM THE REACTOR	AVER.EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
0-2	17.5 +- 1.9	8
2-5	15.8 +- 1.9	12
>5	15.3 +- 1.9	14
UPWIND CONTROL DATA	14.2 +- .1	2

BRUNSWICK

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820322-820709 110 DAYS
FIELD TIME 820402-820630 90 DAYS

NRC STATION	LOCATION AZIMUTH (deg.)	DIST (mi.)	GROSS EXPOSURE (mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
050	CTL	TLD	12.7 +- .2	10.4 +- .1
001	260	2.20	13.6 +- 1.8	11.1 +- 1.5
002	245	3.40	18.7 +- .7	15.3 +- .6
003	231	3.80	17.4 +- .0	14.2 +- .0
004	210	4.90	19.3 +- .4	15.8 +- .3
007	272	4.40	19.3 +- .2	15.8 +- .1
008	73	1.30	20.6 +- 1.0	16.8 +- .8
010	120	1.50	15.3 +- .4	12.5 +- .3
011	131	0.90	16.4 +- 1.5	13.4 +- 1.2
013	180	1.10	15.0 +- .4	12.3 +- .4
014	194	2.40	16.4 +- .5	13.4 +- .4
015	201	2.00	19.3 +- 1.2	15.8 +- 1.0
016	218	1.20	19.9 +- .6	16.3 +- .5
017	252	1.10	17.3 +- .4	14.2 +- .3
018	272	1.20	18.5 +- .6	15.2 +- .5
019	19	1.10	17.0 +- .4	13.9 +- .3
020	2	1.10	20.8 +- .8	17.0 +- .7
021	288	1.30	17.4 +- .6	14.3 +- .5
023	338	2.10	17.8 +- .4	14.6 +- .4
024	325	4.90	17.0 +- .1	13.9 +- .0

BRUNSWICK

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820322-820709 110 DAYS
FIELD TIME 820402-820630 90 DAYS

NRC STATION	LOCATION AZIMUTH (deg.)	LOCATION DIST (mi.)	GROSS EXPOSURE (mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
025	338	3.80	19.0 +- .1	15.5 +- .1
027	30	6.40	11.3 +- .1	9.2 +- .0
029	50	8.50	19.0 +- .3	15.6 +- .3
030	59	7.20	17.7 +- .2	14.5 +- .2
032	74	5.80	19.7 +- .5	16.1 +- .4
033	88	4.10	15.2 +- .6	12.4 +- .5
035	16	18.0	18.2 +- .0	14.9 +- .0
036	284	15.5	18.8 +- .7	15.4 +- .6
038	285	15.5	17.5 +- .9	14.3 +- .7
039	287	4.60	16.0 +- 1.0	13.1 +- .8
040	271	0.70	12.1 +- .1	9.9 +- .1

BRUNSWICK
FOR THE PERIOD 820322-820703 110 DAYS

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
348.75-11.25 (N)	17.0 +- 0.0	1
11.25-33.75 (NNE)	12.7 +- 3.0	3
33.75-56.25 (NE)	15.6 +- 0.0	1
56.25-78.75 (ENE)	15.8 +- 1.2	3
78.75-101.25 (E)	12.4 +- 0.0	1
101.25-123.75(ESE)	12.5 +- 0.0	1
123.75-146.25(SE)	13.4 +- 0.0	1
146.25-168.75(SSE)	0.0 +- 0.0	0
168.75-191.25(S)	12.3 +- 0.0	1
191.25-213.75(SSW)	15.0 +- 1.4	3
213.75-236.25(SW)	15.3 +- 1.5	2
236.25-258.75(WSW)	14.8 +- .8	2
258.75-281.25(W)	13.0 +- 2.9	4
281.25-303.75(WNW)	13.7 +- .8	2
303.75-326.25(NW)	13.9 +- 0.0	1
326.25-348.75(NNW)	15.1 +- .7	2

DISTANCE(mi) FROM THE REACTOR	AVER.EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
0-2	14.3 +- 2.1	12
2-5	14.1 +- 1.5	11
>5	14.1 +- 2.8	5
UPWIND CONTROL DATA	14.8 +- .8	2

CALVERT CLIFFS

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820402-820702 92 DAYS
FIELD TIME 820405-820630 87 DAYS

NRC STATION	LOCATION AZIMUTH (deg.)	DIST (mi.)	GROSS EXPOSURE (mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
001	275	1.50	13.7 +- .5	13.4 +- .5
006	324	4.70	13.5 +- .3	13.2 +- .3
009	273	4.10	13.6 +- .7	13.3 +- .6
010	253	3.70	13.7 +- .2	13.4 +- .2
012	243	1.30	14.7 +- .2	14.4 +- .1
013	222	1.50	16.3 +- .2	16.0 +- .2
014	208	1.80	13.0 +- .3	12.7 +- .3
016	160	1.50	15.5 +- .7	15.2 +- .7
020	139	4.70	12.6 +- .1	12.3 +- .1
021	201	4.00	15.2 +- .1	14.9 +- .1
023	201	8.70	16.8 +- .1	16.4 +- .1
025	325	6.70	14.5 +- .0	14.2 +- .0
050	CTL	TLD	8.8 +- .2	8.6 +- .1

CALVERT CLIFFS
FOR THE PERIOD 820402-820702 92 DAYS

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
348.75-11.25 (N)	0.0 +- 0.0	0
11.25-33.75 (NNE)	0.0 +- 0.0	0
33.75-56.25 (NE)	0.0 +- 0.0	0
56.25-78.75 (ENE)	0.0 +- 0.0	0
78.75-101.25 (E)	0.0 +- 0.0	0
101.25-123.75(ESE	0.0 +- 0.0	0
123.75-146.25(SE)	12.3 +- 0.0	1
146.25-168.75(SSE)	15.2 +- 0.0	1
168.75-191.25(S)	0.0 +- 0.0	0
191.25-213.75(SSW)	14.7 +- 1.8	3
213.75-236.25(SW)	16.0 +- 0.0	1
236.25-258.75(WSW)	13.9 +- .7	2
258.75-281.25(W)	13.3 +- .1	2
281.25-303.75(WNW)	0.0 +- 0.0	0
303.75-326.25(NW)	13.7 +- .7	2
326.25-348.75(NNW)	0.0 +- 0.0	0

DISTANCE(mi) FROM THE REACTOR	AVER.EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
0-2	14.3 +- 1.3	5
2-5	13.4 +- .9	5
>5	15.3 +- 1.5	2
UPWIND CONTROL DATA	NO DATA	NO DATA

CLINTON

ILD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820322-820720 121 DAYS
FIELD TIME 820328-820713 108 DAYS

NRC STATION	LOCATION AZIMUTH (deg.)	DIST (mi.)	GROSS EXPOSURE (mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
050	CTL	TLD	10.1 +- .3	7.5 +- .2
002	7	0.70	24.2 +- .6	18.0 +- .4
005	187	0.50	29.7 +- .1	22.1 +- .1
006	223	0.60	29.8 +- .3	22.2 +- .2
007	238	0.80	24.1 +- .0	17.9 +- .0
008	62	1.90	23.7 +- .8	17.6 +- .6
009	78	1.80	22.6 +- .5	16.8 +- .3
010	79	2.60	28.1 +- .2	20.9 +- .1
011	104	2.30	23.0 +- .4	17.1 +- .3
012	115	3.00	20.3 +- .5	15.1 +- .3
013	127	3.20	23.4 +- .7	17.4 +- .5
014	160	2.10	23.8 +- .3	17.7 +- .2
015	180	3.00	24.4 +- .0	18.1 +- .0
016	203	3.20	21.8 +- .2	16.2 +- .2
017	235	3.70	19.9 +- .0	14.8 +- .0
018	255	2.80	24.6 +- 1.1	18.3 +- .8
019	275	2.30	23.2 +- .1	17.3 +- .1
020	302	0.90	20.4 +- .0	15.2 +- .0
021	305	0.80	21.8 +- .3	16.2 +- .2
022	332	0.60	22.0 +- .6	16.4 +- .5

CLINTON

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820322-820720 121 DAYS
FIELD TIME 820328-820713 108 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
023	358	4.60	23.7 +- .2	17.7 +- .1
024	20	3.90	23.1 +- .6	17.2 +- .5
025	46	5.00	23.5 +- .3	17.5 +- .2
026	62	5.50	21.5 +- .2	16.0 +- .2
027	90	4.80	22.1 +- .8	16.4 +- .6
028	115	5.20	23.5 +- .6	17.5 +- .5
029	128	5.10	22.9 +- .8	17.1 +- .6
030	153	5.80	24.3 +- 1.1	18.1 +- .8
031	173	5.20	21.8 +- .4	16.2 +- .3
032	205	4.70	23.2 +- .2	17.3 +- .1
035	263	6.60	19.1 +- .6	14.2 +- .4
036	272	4.80	22.6 +- .9	16.8 +- .7
037	288	4.80	21.5 +- .5	16.0 +- .4
038	297	7.60	20.5 +- .2	15.2 +- .1
039	315	5.10	22.8 +- .2	17.0 +- .2
040	342	4.80	23.3 +- .6	17.3 +- .5
042	148	13.5	27.3 +- .5	20.3 +- .4
043	148	13.5	26.9 +- .2	20.0 +- .2
044	206	15.2	20.2 +- .5	15.0 +- .4

CLINTON
FOR THE PERIOD 820322-820720 121 DAYS

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
348.75-11.25 (N)	17.8 +- .2	2
11.25-33.75 (NNE)	17.2 +- 0.0	1
33.75-56.25 (NE)	17.5 +- 0.0	1
56.25-78.75 (ENE)	18.8 +- .8	3
78.75-101.25 (E)	18.7 +- 3.2	2
101.25-123.75(ESE)	16.6 +- 1.3	3
123.75-146.25(SE)	17.2 +- .2	2
146.25-168.75(SSE)	17.3 +- .3	2
168.75-191.25(S)	18.8 +- 3.0	3
191.25-213.75(SSW)	16.8 +- .7	2
213.75-236.25(SW)	18.5 +- 5.2	2
236.25-258.75(WSW)	18.1 +- .2	2
258.75-281.25(W)	16.1 +- 1.7	3
281.25-303.75(WNW)	15.5 +- .5	3
303.75-326.25(NW)	16.6 +- .5	2
326.25-348.75(NNW)	16.8 +- .7	2

DISTANCE(mi) FROM THE REACTOR	AVER.EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
0-2	18.0 +- 2.5	9
2-5	17.2 +- 1.3	18
>5	16.4 +- 1.3	8
UPWIND CONTROL DATA	18.4 +- 2.9	3

D.C. COOK

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820323-820726 126 DAYS
FIELD TIME 820407-820713 98 DAYS

NRC STATION	LOCATION AZIMUTH (deg.)	DIST (mi.)	GROSS EXPOSURE (mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
050	CTL	TLD	12.1 +- 1.7	8.6 +- 1.2
001	54	1.70	24.4 +- .7	17.5 +- .5
002	67	1.30	23.8 +- .2	17.0 +- .2
003	89	1.10	21.9 +- .1	15.7 +- .0
004	58	0.70	22.8 +- .2	16.3 +- .1
005	19	2.30	22.7 +- .7	16.2 +- .5
006	111	1.60	24.5 +- .5	17.5 +- .4
007	135	1.50	22.4 +- .3	16.0 +- .2
008	158	1.40	23.0 +- .3	16.4 +- .2
009	171	1.90	23.4 +- 1.0	16.7 +- .7
010	199	1.50	21.0 +- .9	15.0 +- .7
011	195	3.90	24.6 +- .4	17.6 +- .3
013	179	3.90	26.3 +- .4	18.8 +- .3
014	151	4.40	27.1 +- .1	19.3 +- .1
015	130	4.60	26.3 +- 1.3	18.8 +- .9
016	110	3.70	25.3 +- .3	18.1 +- .2
017	88	3.60	22.4 +- .7	16.0 +- .5
018	67	3.80	23.4 +- .0	16.7 +- .0
019	24	3.80	22.7 +- .1	16.2 +- .0
020	43	3.30	24.7 +- 1.0	17.6 +- .7

D.C. COOK

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820323-820726 126 DAYS
FIELD TIME 820407-820713 98 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
021	26	9.90	26.0 +- .1	18.6 +- .0
022	121	18.2	21.3 +- 1.3	15.2 +- .9
023	121	18.2	24.2 +- 1.2	17.3 +- .8
024	121	18.4	22.1 +- .8	15.8 +- .5

D.C. COOK
FOR THE PERIOD 820323-820726 126 DAYS

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
348.75-11.25 (N)	0.0 +- 0.0	0
11.25-33.75 (NNE)	17.0 +- 1.4	3
33.75-56.25 (NE)	17.5 +- .1	2
56.25-78.75 (ENE)	16.7 +- .4	3
73.75-101.25 (E)	15.8 +- .3	2
101.25-123.75(ESE)	17.8 +- .4	2
123.75-146.25(SE)	17.4 +- 2.0	2
146.25-168.75(SSE)	17.9 +- 2.0	2
168.75-191.25(S)	17.7 +- 1.5	2
191.25-213.75(SSW)	16.3 +- 1.8	2
213.75-236.25(SW)	0.0 +- 0.0	0
236.25-258.75(WSW)	0.0 +- 0.0	0
258.75-281.25(W)	0.0 +- 0.0	0
281.25-303.75(WNW)	0.0 +- 0.0	0
303.75-326.25(NW)	0.0 +- 0.0	0
326.25-348.75(NNW)	0.0 +- 0.0	0

DISTANCE(mi) FROM THE REACTOR	AVER.EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
0-2	16.4 +- .8	9
2-5	17.5 +- 1.2	10
>5	18.6 +- 0.0	1
UPWIND CONTROL DATA	16.1 +- 1.1	3

COOPER

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820322-820712 113 DAYS
FIELD TIME 820402-820706 96 DAYS

NRC STATION	LOCATION AZIMUTH (deg.)	LOCATION DIST (mi.)	GROSS EXPOSURE(mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
001	363	2.40	25.3 +- .3	20.1 +- .3
002	6	3.50	26.8 +- .1	21.3 +- .1
003	18	2.70	28.5 +- .2	22.7 +- .2
004	16	3.20	28.1 +- .1	22.4 +- .1
005	47	1.90	28.0 +- .1	22.3 +- .1
007	75	2.70	27.0 +- .4	21.5 +- .3
008	55	2.80	27.5 +- .3	21.9 +- .2
009	80	2.10	26.7 +- .5	21.3 +- .4
010	98	3.70	25.8 +- .9	20.5 +- .7
011	118	2.30	28.3 +- .4	22.5 +- .3
013	141	3.20	27.1 +- .2	21.6 +- .1
014	126	5.60	26.2 +- 1.8	20.9 +- 1.4
015	159	2.70	28.2 +- .9	22.5 +- .7
017	205	0.30	23.4 +- .1	18.6 +- .1
018	186	4.70	29.4 +- .6	23.4 +- .4
019	213	3.00	25.1 +- 1.0	20.0 +- .8
020	195	4.90	26.6 +- .9	21.1 +- .7
021	222	2.00	27.3 +- .8	21.7 +- .6
022	215	5.70	28.7 +- .3	22.8 +- .2
023	256	1.50	28.2 +- .9	22.5 +- .7

COOPER

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820322-820712 113 DAYS
FIELD TIME 820402-820706 96 DAYS

NRC STATION	LOCATION AZIMUTH (deg.)	DIST (mi.)	GROSS EXPOSURE (mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
024	238	5.20	28.8 +- .6	23.0 +- .4
025	276	2.20	27.2 +- .1	21.7 +- .1
026	260	3.80	27.4 +- .9	21.8 +- .8
027	301	1.80	28.7 +- .4	22.8 +- .3
028	286	4.30	27.8 +- .1	22.1 +- .0
029	324	2.80	28.1 +- .8	22.4 +- .7
030	333	3.70	29.0 +- .3	23.1 +- .2
031	343	2.60	25.7 +- 1.0	20.5 +- .8
032	333	3.70	26.4 +- .5	21.0 +- .4
033	215	1.00	28.2 +- 1.4	22.5 +- 1.1
034	173	18.0	29.2 +- .2	23.2 +- .1
035	333	23.0	26.6 +- .6	21.2 +- .5
036	210	19.0	24.0 +- .5	19.1 +- .4
037	64	7.00	31.6 +- .5	25.2 +- .4
038	329	9.00	29.2 +- .6	23.3 +- .5
039	276	10.0	28.3 +- .0	22.5 +- .0
040	300	2.50	29.5 +- .8	23.5 +- .7
042	93	3.50	27.5 +- .5	21.9 +- .4
043	270	2.20	29.3 +- .1	23.4 +- .0
050	CTL	TLD	26.7 +- .0	21.3 +- .0

COOPER
FOR THE PERIOD 820322-820712 113 DAYS

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
348.75-11.25 (N)	20.7 +- .9	2
11.25-33.75 (NNE)	22.5 +- .2	2
33.75-56.25 (NE)	22.1 +- .3	2
56.25-78.75 (ENE)	23.3 +- 2.6	2
78.75-101.25 (E)	21.2 +- .7	3
101.25-123.75(ESE)	22.5 +- 0.0	1
123.75-146.25(SE)	21.2 +- .5	2
146.25-168.75(SSE)	22.5 +- 0.0	1
168.75-191.25(S)	23.4 +- 0.0	1
191.25-213.75(SSW)	19.9 +- 1.3	3
213.75-236.25(SW)	22.3 +- .6	3
236.25-258.75(WSW)	22.7 +- .4	2
258.75-281.25(W)	22.3 +- .8	4
281.25-303.75(WNW)	22.8 +- .7	3
303.75-326.25(NW)	22.4 +- 0.0	1
326.25-348.75(NNW)	22.0 +- 1.4	4

DISTANCE(m) FROM THE REACTOR	AVER.EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
0-2	21.7 +- 1.6	6
2-5	21.8 +- 1.0	24
>5	22.9 +- 1.4	6
UPWIND CONTROL DATA	21.2 +- 2.1	3

CRYSTAL RIVER

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820323-820709 109 DAYS
FIELD TIME 820401-820702 93 DAYS

NRC STATION	LOCATION AZIMUTH (deg.)	DIST (mi.)	GROSS EXPOSURE (mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
050	CTL	TLD	11.0 +- .1	9.1 +- .1
006	61	4.20	16.8 +- .9	13.8 +- .7
007	50	3.80	15.1 +- .2	12.5 +- .1
008	20	5.20	16.0 +- .2	13.2 +- .1
009	6	5.40	16.8 +- .1	13.9 +- .1
010	348	5.00	16.4 +- 1.4	13.5 +- 1.2
012	318	4.80	16.1 +- .4	13.3 +- .4
013	79	3.80	15.8 +- .4	13.0 +- .3
014	95	4.10	18.1 +- 1.1	14.9 +- .9
015	89	1.80	16.6 +- .1	13.7 +- .1
016	113	5.00	16.3 +- .2	13.5 +- .1
018	74	8.10	16.6 +- .1	13.7 +- .0
019	127	7.60	17.0 +- .4	14.0 +- .3
020	150	12.9	14.9 +- .7	12.3 +- .6
022	150	20.7	16.4 +- .3	13.5 +- .2
023	150	20.7	14.9 +- .3	12.3 +- .2
025	56	6.10	16.7 +- 0.0	13.8 +- 0.0
026	357	5.20	17.5 +- .5	14.4 +- .4
027	90	13.8	15.5 +- .5	12.8 +- .4

CRYSTAL RIVER
FOR THE PERIOD 820323-820709 109 DAYS

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
348.75-11.25 (N)	14.2 +- .4	2
11.25-33.75 (NNE)	13.2 +- 0.0	1
33.75-56.25 (NE)	13.1 +- .9	2
56.25-78.75 (ENE)	13.8 +- .1	2
78.75-101.25 (E)	13.6 +- 1.0	4
101.25-123.75(ESE)	13.5 +- 0.0	1
123.75-146.25(SE)	14.0 +- 0.0	1
146.25-168.75(SSE)	12.3 +- 0.0	1
168.75-191.25(S)	0.0 +- 0.0	0
191.25-213.75(SSW)	0.0 +- 0.0	0
213.75-236.25(SW)	0.0 +- 0.0	0
236.25-258.75(WSW)	0.0 +- 0.0	0
258.75-281.25(W)	0.0 +- 0.0	0
281.25-303.75(WNW)	0.0 +- 0.0	0
303.75-326.25(NW)	13.3 +- 0.0	1
326.25-348.75(NNW)	13.5 +- 0.0	1

DISTANCE(mi) FROM THE REACTOR	AVER.EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
0-2	13.7 +- 0.0	1
2-5	13.5 +- .8	7
>5	13.5 +- .7	8
UPWIND CONTROL DATA	12.9 +- .9	2

DAVIS BESSE

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820323-820726 126 DAYS
FIELD TIME 820331-820715 107 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
050	CTL	TLD	14.9 +- .0	10.6 +- .0
001	50	0.60	20.8 +- .2	14.8 +- .2
002	86	0.90	21.9 +- .3	15.6 +- .2
003	116	1.40	21.7 +- .8	15.5 +- .6
004	172	0.80	26.0 +- .5	18.6 +- .4
005	200	1.50	29.6 +- .5	21.2 +- .4
006	226	1.00	26.8 +- .1	19.1 +- .1
007	249	1.50	27.8 +- .9	19.9 +- .6
008	267	1.75	29.0 +- .4	20.7 +- .3
009	285	1.75	28.1 +- .3	20.1 +- .2
011	344	0.90	20.5 +- .6	14.6 +- .4
012	142	4.50	27.5 +- .5	19.7 +- .3
013	158	4.00	29.1 +- .1	20.8 +- .1
014	180	3.75	26.9 +- .6	19.2 +- .4
015	207	4.75	28.2 +- .7	20.2 +- .5
016	225	4.50	27.9 +- .1	19.9 +- .1
017	254	2.70	30.5 +- .6	21.8 +- .4
019	295	5.30	31.2 +- .2	22.3 +- .2
020	25	0.50	16.2 +- .3	11.6 +- .2
021	132	9.70	26.2 +- .9	18.7 +- .6

DAVIS BESSE

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820323-820726 126 DAYS
FIELD TIME 820331-820715 107 DAYS

NRC STATION	LOCATION AZIMUTH (deg.)	DIST (mi.)	GROSS EXPOSURE (mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
022	210	6.50	21.9 +- .3	15.6 +- .2

DAVIS BESSE
FOR THE PERIOD 820323-820726 126 DAYS

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
348.75-11.25 (N)	0.0 +- 0.0	0
11.25-33.75 (NNE)	11.6 +- 0.0	1
33.75-56.25 (NE)	14.8 +- 0.0	1
56.25-78.75 (ENE)	0.0 +- 0.0	0
78.75-101.25 (E)	15.5 +- 0.0	1
101.25-123.75(ESE)	15.5 +- 0.0	1
123.75-146.25(SE)	19.7 +- 0.0	1
146.25-168.75(SSE)	20.8 +- 0.0	1
168.75-191.25(S)	18.9 +- .5	2
191.25-213.75(SSW)	20.7 +- .7	2
213.75-236.25(SW)	19.5 +- .5	2
236.25-258.75(WSW)	20.8 +- 1.4	2
258.75-281.25(W)	20.7 +- 0.0	1
281.25-303.75(WNW)	21.2 +- 1.6	2
303.75-326.25(NW)	0.0 +- 0.0	0
326.25-348.75(NNW)	14.6 +- 0.0	1

DISTANCE(mi) FROM THE REACTOR	AVER.EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
0-2	17.4 +- 3.1	11
2-5	20.3 +- .9	6
>5	22.3 +- 0.0	1
UPWIND CONTROL DATA	17.2 +- 2.2	2

DIABLO CANYON

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820323-820728 128 DAYS
FIELD TIME 820405-820715 102 DAYS

NRC STATION	LOCATION AZIMUTH (deg.)	DIST (mi.)	GROSS EXPOSURE (mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
050	CTL	TLD	16.5 +- 1.1	11.6 +- .7
001	125	1.00	33.9 +- 1.1	23.8 +- .8
002	119	4.20	31.3 +- .3	22.0 +- .2
003	107	6.90	29.6 +- .2	20.8 +- .2
004	109	10.6	29.0 +- 1.2	20.4 +- .8
005	113	14.1	30.4 +- .5	21.4 +- .3
006	68	9.60	28.3 +- .4	19.9 +- .3
007	359	11.1	24.7 +- .3	17.4 +- .2
008	359	6.60	24.7 +- .0	17.4 +- .0
009	339	4.70	23.7 +- 1.0	16.7 +- .7
010	328	3.50	22.5 +- .3	15.8 +- .2
011	332	1.30	24.5 +- 1.1	17.2 +- .8
012	37	21.4	32.0 +- .9	22.5 +- .6
013	37	21.4	29.2 +- .4	20.5 +- .3
014	37	21.4	31.3 +- .7	22.0 +- .5

DIABLO CANYON
FOR THE PERIOD 820323-820728 128 DAYS

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
348.75-11.25 (N)	17.4 +- .0	2
11.25-33.75 (NNE)	0.0 +- 0.0	0
33.75-56.25 (NE)	0.0 +- 0.0	0
56.25-78.75 (ENE)	19.9 +- 0.0	1
78.75-101.25 (E)	0.0 +- 0.0	0
101.25-123.75(ESE)	21.1 +- .7	4
123.75-146.25(SE)	23.8 +- 0.0	1
146.25-168.75(SSE)	0.0 +- 0.0	0
168.75-191.25(S)	0.0 +- 0.0	0
191.25-213.75(SSW)	0.0 +- 0.0	0
213.75-236.25(SW)	0.0 +- 0.0	0
236.25-258.75(WSW)	0.0 +- 0.0	0
258.75-281.25(W)	0.0 +- 0.0	0
281.25-303.75(WNW)	0.0 +- 0.0	0
303.75-326.25(NW)	0.0 +- 0.0	0
326.25-348.75(NNW)	16.6 +- .7	3

DISTANCE(mi) FROM THE REACTOR	AVER.EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
0-2	20.5 +- 4.7	2
2-5	18.1 +- 3.3	3
>5	19.5 +- 1.7	6
UPWIND CONTROL DATA	21.7 +- 1.0	3

DRESDEN

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820322-820720 121 DAYS
FIELD TIME 820327-820711 107 DAYS

NRC STATION	LOCATION AZIMUTH (deg.)	DIST (mi.)	GROSS EXPOSURE (mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
001	70	4.20	27.4 +- .1	20.4 +- .1
002	92	3.90	26.5 +- 1.6	19.7 +- 1.2
003	119	3.20	25.3 +- .6	18.8 +- .4
004	134	1.30	22.0 +- .0	16.4 +- .0
005	115	1.50	22.4 +- .1	16.6 +- .1
006	180	1.90	29.4 +- 1.3	21.9 +- 1.0
007	179	0.50	27.2 +- 1.3	20.2 +- .9
008	166	0.70	23.2 +- 1.4	17.3 +- 1.0
009	205	0.50	25.9 +- .0	19.3 +- .0
010	224	0.70	31.2 +- .3	23.2 +- .2
011	250	0.90	23.4 +- .7	17.4 +- .5
012	263	1.60	25.9 +- .8	19.2 +- .6
013	180	4.00	21.5 +- .5	16.0 +- .3
014	158	4.80	22.2 +- .0	16.5 +- .0
015	137	4.20	24.1 +- 1.2	17.9 +- .9
016	134	8.40	22.5 +- .1	16.7 +- .1
017	189	7.40	24.8 +- .5	18.5 +- .3
019	231	3.80	29.0 +- 1.1	21.5 +- .8
021	258	8.60	27.4 +- .8	20.4 +- .6
022	269	4.40	21.6 +- .2	16.1 +- .1

DRESDEN

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820322-820720 121 DAYS
FIELD TIME 820327-820711 107 DAYS

NRC STATION	LOCATION AZIMUTH (deg.)	DIST (mi.)	GROSS EXPOSURE (mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
023	295	3.30	26.4 +- .5	19.7 +- .4
024	311	3.90	23.4 +- 0.0	17.4 +- 0.0
026	7	4.40	24.7 +- .3	18.3 +- .2
027	1	2.00	28.8 +- .5	21.4 +- .4
028	327	1.70	30.3 +- .1	22.5 +- .0
029	318	1.40	26.6 +- .2	19.7 +- .2
030	301	1.90	24.5 +- .3	18.3 +- .2
031	30	1.50	27.8 +- .7	20.7 +- .5
032	48	1.90	30.0 +- .5	22.3 +- .4
033	76	1.40	28.5 +- .2	21.2 +- .1
035	26	4.50	25.8 +- .1	19.2 +- .1
036	42	3.60	24.6 +- 0.0	18.3 +- 0.0
037	52	11.6	21.8 +- .7	16.2 +- .6
038	274	23.9	26.0 +- .3	19.3 +- .2
039	274	23.9	26.1 +- .5	19.4 +- .4
040	275	24.4	26.5 +- .0	19.7 +- .0
050	CTL	TLD	14.5 +- .1	10.8 +- .1

DRESDEN
FOR THE PERIOD 820322-820720 121 DAYS

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
348.75-11.25 (N)	19.9 +- 2.2	2
11.25-33.75 (NNE)	19.9 +- 1.0	2
33.75-56.25 (NE)	19.0 +- 3.1	3
56.25-78.75 (ENE)	20.8 +- .6	2
78.75-101.25 (E)	19.7 +- 0.0	1
101.25-123.75(ESE)	17.7 +- 1.5	2
123.75-146.25(SE)	17.0 +- .8	3
146.25-168.75(SSE)	16.9 +- .5	2
168.75-191.25(S)	19.1 +- 2.5	4
191.25-213.75(SSW)	19.3 +- 0.0	1
213.75-236.25(SW)	22.4 +- 1.2	2
236.25-258.75(WSW)	18.9 +- 2.1	2
258.75-281.25(W)	17.7 +- 2.2	2
281.25-303.75(WNW)	19.0 +- 1.0	2
303.75-326.25(NW)	18.6 +- 1.7	2
326.25-348.75(NNW)	22.5 +- 0.0	1

DISTANCE(mi) FROM THE REACTOR	AVER.EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
0-2	19.9 +- 2.2	16
2-5	18.5 +- 1.7	13
>5	18.0 +- 1.9	4
UPWIND CONTROL DATA	19.5 +- .2	3

DUANE ARNOLD

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820323-820714 114 DAYS
FIELD TIME 820331-820707 99 DAYS

NRC STATION	LOCATION AZIMUTH (deg.)	DIST (mi.)	GROSS EXPOSURE(mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
050	CTL	TLD	11.8 +- .9	9.3 +- .7
001	163	9.70	24.2 +- .3	19.1 +- .2
002	170	6.20	24.9 +- .1	19.7 +- .1
003	180	3.50	21.9 +- .2	17.3 +- .1
004	216	2.90	25.4 +- .5	20.0 +- .4
005	201	2.50	20.6 +- .6	16.3 +- .5
006	213	1.00	23.4 +- .7	18.5 +- .5
007	248	1.00	25.1 +- .4	19.8 +- .3
008	279	1.00	24.7 +- .7	19.5 +- .5
009	298	1.00	26.0 +- .7	20.5 +- .5
010	320	1.50	24.9 +- .9	19.7 +- .7
011	343	1.00	24.7 +- .5	19.5 +- .4
012	359	1.20	24.1 +- .0	19.0 +- .0
013	237	0.50	22.5 +- .2	17.8 +- .2
014	259	3.90	23.8 +- .1	18.8 +- .6
015	272	5.00	21.3 +- .1	16.8 +- .1
016	285	5.00	23.5 +- .2	18.5 +- .1
017	308	4.50	24.7 +- .2	19.5 +- .2
018	340	4.50	20.6 +- .4	16.3 +- .3
019	291	15.0	22.4 +- .6	17.7 +- .5

DUANE ARNOLD

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820323-820714 114 DAYS
FIELD TIME 820331-820707 99 DAYS

NRC STATION	LOCATION AZIMUTH (deg.)	DIST (mi.)	GROSS EXPOSURE(mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
020	291	15.0	22.9 +- .4	18.1 +- .3
021	291	15.0	21.3 +- .9	16.8 +- .7
022	358	6.10	21.5 +- .0	17.0 +- .0
023	7	2.90	22.5 +- 1.3	17.8 +- 1.0
024	28	3.00	26.4 +- .2	20.9 +- .1
025	39	3.50	22.3 +- .3	17.6 +- .2
026	64	3.80	24.3 +- .6	19.2 +- .5
027	50	1.90	21.5 +- .1	17.0 +- .1
028	72	2.30	21.1 +- .6	16.6 +- .5
029	91	3.00	18.0 +- .2	14.2 +- .1
030	93	1.80	23.6 +- 1.0	18.6 +- .8
032	141	1.60	21.4 +- .5	16.9 +- .4
033	153	1.50	23.6 +- .9	18.6 +- .7
036	135	4.10	21.6 +- .1	17.1 +- .1
037	111	4.60	24.5 +- .2	19.3 +- .1
038	123	5.10	23.8 +- .4	18.8 +- .3
039	132	7.00	20.5 +- .1	16.2 +- .1
040	139	7.60	17.7 +- .4	14.0 +- .3

DUANE ARNOLD
FOR THE PERIOD 820323-820714 114 DAYS

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
348.75-11.25 (N)	17.9 +- 1.0	3
11.25-33.75 (NNE)	20.9 +- 0.0	1
33.75-56.25 (NE)	17.3 +- .4	2
56.25-78.75 (ENE)	17.9 +- 1.8	2
78.75-101.25 (E)	16.4 +- 3.1	2
101.25-123.75(ESE)	19.1 +- .4	2
123.75-146.25(SE)	16.0 +- 1.4	4
146.25-168.75(SSE)	18.9 +- .3	2
168.75-191.25(S)	18.5 +- 1.7	2
191.25-213.75(SSW)	17.4 +- 1.5	2
213.75-236.25(SW)	20.0 +- 0.0	1
236.25-258.75(WSW)	18.8 +- 1.4	2
258.75-281.25(W)	18.4 +- 1.4	3
281.25-303.75(WNW)	19.5 +- 1.4	2
303.75-326.25(NW)	19.6 +- .1	2
326.25-348.75(NNW)	17.9 +- 2.3	2

DISTANCE(mi) FROM THE REACTOR	AVER.EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
0-2	18.8 +- 1.1	12
2-5	17.9 +- 1.7	16
>5	17.5 +- 2.2	6
UPWIND CONTROL DATA	17.5 +- .6	3

FARLEY

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820323-820715 115 DAYS
FIELD TIME 820413-820708 87 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
001	268	14.8	22.1 +- .5	17.3 +- .4
039	293	15.5	23.4 +- .3	18.3 +- .2
050	CTL	TLD	14.7 +- .3	11.5 +- .2
002	252	7.80	23.7 +- .2	18.6 +- .2
003	217	6.10	22.9 +- .4	17.9 +- .3
004	155	5.70	27.2 +- 1.4	21.3 +- 1.1
005	170	5.10	24.6 +- .3	19.2 +- .2
006	197	4.50	21.6 +- .8	16.9 +- .7
007	191	2.40	25.3 +- .5	19.8 +- .4
008	200	1.80	24.6 +- 1.7	19.2 +- 1.3
010	254	0.90	22.4 +- .4	17.5 +- .3
011	300	0.90	24.9 +- 1.7	19.5 +- 1.3
012	319	1.10	25.1 +- .4	19.6 +- .3
013	338	1.30	22.5 +- .9	17.6 +- .7
014	256	1.20	23.6 +- .4	18.5 +- .3
015	16	1.30	29.0 +- 1.3	22.7 +- 1.0
016	264	1.60	22.7 +- .8	17.8 +- .7
017	253	3.50	24.8 +- .3	19.4 +- .2
018	233	3.20	22.8 +- .4	17.8 +- .3
019	267	4.50	26.7 +- .5	20.9 +- .4

FARLEY

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820323-820715 115 DAYS
FIELD TIME 820413-820708 87 DAYS

NRC STATION	LOCATION AZIMUTH (deg.)	DIST (mi.)	GROSS EXPOSURE (mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
020	295	3.80	24.5 +- .6	19.2 +- .4
021	315	4.60	20.9 +- 1.9	16.4 +- 1.5
022	332	4.30	22.6 +- .4	17.7 +- .3
023	251	4.80	22.0 +- .7	17.2 +- .6
024	32	5.30	24.2 +- .5	18.9 +- .4
025	54	6.20	20.7 +- .5	16.2 +- .4
026	64	5.50	21.8 +- .7	17.0 +- .5
027	88	4.70	23.5 +- .4	18.4 +- .3
028	124	5.10	23.0 +- .4	18.0 +- .3
029	153	4.10	23.8 +- .3	18.6 +- .2
030	142	3.60	21.6 +- .4	16.9 +- .3
031	130	3.00	22.3 +- .5	17.5 +- .4
032	110	2.80	22.6 +- .8	17.7 +- .6
033	78	2.60	21.6 +- .3	16.9 +- .3
034	58	2.20	20.3 +- .4	15.9 +- .3
035	34	2.40	25.6 +- .4	20.1 +- .3
037	284	10.0	23.4 +- .5	18.3 +- .4
038	289	15.5	22.7 +- .5	17.7 +- .4

FARLEY
FOR THE PERIOD 820323-820715 115 DAYS

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
348.75-11.25 (N)	0.0 +- 0.0	0
11.25-33.75 (NNE)	20.8 +- 2.7	2
33.75-56.25 (NE)	18.1 +- 2.7	2
56.25-78.75 (ENE)	18.6 +- .6	3
78.75-101.25 (E)	18.4 +- 0.0	1
101.25-123.75(ESE)	17.7 +- 0.0	1
123.75-146.25(SE)	17.5 +- .5	3
146.25-168.75(SSE)	20.0 +- 1.9	2
168.75-191.25(S)	19.5 +- .4	2
191.25-213.75(SSW)	18.0 +- 1.7	2
213.75-236.25(SW)	17.9 +- .0	2
236.25-258.75(WSW)	18.2 +- .9	5
258.75-281.25(W)	18.6 +- 1.9	3
281.25-303.75(WNW)	19.3 +- .2	2
303.75-326.25(NW)	18.0 +- 2.3	2
326.25-348.75(NNW)	17.7 +- .0	2

DISTANCE(mi) FROM THE REACTOR	AVER.EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
0-2	19.0 +- 1.7	8
2-5	18.1 +- 1.4	17
>5	18.3 +- 1.5	9
UPWIND CONTROL DATA	18.1 +- .3	3

FERMI

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820524-820726 64 DAYS
FIELD TIME 820601-820722 52 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.) (mi.)	GROSS EXPOSURE(mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
002	22 2.30	13.6 +- .2	19.1 +- .3
003	350 1.80	14.6 +- 1.2	20.5 +- 1.7
004	345 1.90	13.1 +- .4	18.5 +- .6
005	346 1.40	13.0 +- .1	18.3 +- .2
006	310 1.30	13.8 +- 1.0	19.5 +- 1.4
007	298 1.40	12.1 +- .2	17.0 +- .3
008	277 1.60	13.7 +- .5	19.3 +- .6
009	238 1.00	13.0 +- .1	18.2 +- .2
010	225 1.50	10.7 +- .5	15.0 +- .7
011	193 0.80	11.7 +- .2	16.4 +- .3
012	183 0.90	11.1 +- .3	15.6 +- .4
013	175 0.80	10.2 +- .0	14.3 +- .0
014	260 1.70	12.5 +- .6	17.6 +- .8
015	245 2.50	11.0 +- .4	15.5 +- .5
016	236 5.00	12.7 +- 1.3	17.8 +- 1.8
017	225 6.80	9.7 +- .2	13.6 +- .3
018	250 7.80	9.4 +- .5	13.3 +- .7
019	277 6.00	10.0 +- .2	14.0 +- .3
020	297 6.00	10.6 +- .1	14.9 +- .2
021	320 3.80	11.8 +- .0	16.6 +- .0

FERMI

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820524-820726 64 DAYS
FIELD TIME 820601-820722 52 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
022	340	4.70	11.9 +- .2	16.8 +- .3
023	358	4.30	11.7 +- .0	16.4 +- .0
024	23	5.00	12.5 +- .5	17.6 +- .6
025	25	7.00	10.1 +- .2	14.2 +- .2
026	0	7.00	10.2 +- .0	14.4 +- .0
027	342	8.00	10.7 +- .4	15.0 +- .5
028	320	9.50	10.0 +- .4	14.1 +- .6
029	290	11.0	11.0 +- .7	15.4 +- 1.0
030	270	10.5	11.4 +- .3	16.0 +- .4
031	245	10.2	10.8 +- .3	15.1 +- .4
032	220	10.5	10.4 +- .1	14.6 +- .1
033	270	15.0	9.8 +- .2	13.8 +- .2
034	270	15.0	9.8 +- .3	13.8 +- .4
035	290	16.0	10.5 +- .6	14.7 +- .8
036	350	0.80	10.8 +- .0	15.2 +- .0
037	330	0.70	10.6 +- .0	15.0 +- .0
038	310	0.70	11.0 +- .4	15.5 +- .5
039	23	10.0	6.4 +- .3	9.0 +- .4
040	0	9.00	6.0 +- .0	8.4 +- .0
041	348	9.00	6.6 +- .1	9.2 +- .1
050	CTL	TLD	6.5 +- .2	9.1 +- .3

FERMI
FOR THE PERIOD 820524-820726 64 DAYS

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
348.75-11.25 (N)	15.0 +- 4.4	5
11.25-33.75 (NNE)	15.0 +- 4.5	4
33.75-56.25 (NE)	0.0 +- 0.0	0
56.25-78.75 (ENE)	0.0 +- 0.0	0
78.75-101.25 (E)	0.0 +- 0.0	0
101.25-123.75(ESE)	0.0 +- 0.0	0
123.75-146.25(SE)	0.0 +- 0.0	0
146.25-168.75(SSE)	0.0 +- 0.0	0
168.75-191.25(S)	14.9 +- .9	2
191.25-213.75(SSW)	16.4 +- 0.0	1
213.75-236.25(SW)	15.3 +- 1.8	4
236.25-258.75(WSW)	15.5 +- 2.0	4
258.75-281.25(W)	16.7 +- 2.2	4
281.25-303.75(WNW)	15.8 +- 1.1	3
303.75-326.25(NW)	16.4 +- 2.3	4
326.25-348.75(NNW)	15.5 +- 3.4	6

DISTANCE(mi) FROM THE REACTOR	AVER.EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
0-2	17.1 +- 1.9	15
2-5	17.1 +- 1.2	7
>5	13.4 +- 2.5	15
UPWIND CONTROL DATA	14.1 +- .5	3

FITZPATRICK/NINE MILE

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820323-820720 120 DAYS
FIELD TIME 820413-820713 92 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
050	CTL	TLD	17.2 +- .6	12.9 +- .4
001	230	6.90	25.7 +- .5	19.3 +- .4
002	184	14.0	26.5 +- .6	19.9 +- .4
003	122	8.40	25.0 +- .4	18.8 +- .3
004	76	10.6	21.2 +- .3	15.9 +- .2
005	91	6.80	27.1 +- .2	20.3 +- .2
006	112	4.30	26.0 +- .5	19.5 +- .4
007	138	4.30	25.5 +- .7	19.2 +- .5
008	152	3.60	24.8 +- .2	18.6 +- .2
009	183	3.90	25.1 +- .8	18.8 +- .6
010	205	4.50	24.3 +- .3	18.2 +- .2
011	220	4.40	24.6 +- 1.2	18.4 +- .9
012	230	6.10	24.6 +- .6	18.4 +- .5
013	245	1.80	24.9 +- 1.8	18.7 +- 1.4
014	223	1.80	24.8 +- .7	18.6 +- .5
015	204	2.00	26.7 +- 1.0	20.0 +- .7
016	181	1.80	25.5 +- .1	19.1 +- .1
017	157	1.90	25.8 +- .4	19.4 +- .3
018	137	1.60	24.9 +- .1	18.7 +- .0
019	115	1.20	26.7 +- .8	20.1 +- .6

FITZPATRICK/NINE MILE

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820323-820720 120 DAYS
FIELD TIME 820413-820713 92 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
020	92	1.10	27.3 +- .8	20.5 +- .6
021	229	19.7	24.8 +- .6	18.6 +- .5
022	229	19.7	23.5 +- .1	17.6 +- .1
023	229	19.7	22.8 +- .3	17.1 +- .2
024	196	8.00	24.8 +- .3	18.6 +- .2
025	168	7.20	23.9 +- .4	17.9 +- .3
026	152	0.60	26.0 +- .4	19.5 +- .3

FITZPATRICK/NINE MILE
FOR THE PERIOD 820323-820720 120 DAYS

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
348.75-11.25 (N)	0.0 +- 0.0	0
11.25-33.75 (NNE)	0.0 +- 0.0	0
33.75-56.25 (NE)	0.0 +- 0.0	0
56.25-78.75 (ENE)	15.9 +- 0.0	1
78.75-101.25 (E)	20.4 +- .1	2
101.25-123.75(ESE	19.4 +- .7	3
123.75-146.25(SE)	18.9 +- .3	2
146.25-168.75(SSE)	18.9 +- .7	4
168.75-191.25(S)	19.3 +- .5	3
191.25-213.75(SSW)	19.0 +- 1.0	3
213.75-236.25(SW)	18.7 +- .4	4
236.25-258.75(WSW)	18.7 +- 0.0	1
258.75-281.25(W)	0.0 +- 0.0	0
281.25-303.75(WNW)	0.0 +- 0.0	0
303.75-326.25(NW)	0.0 +- 0.0	0
326.25-348.75(NNW)	0.0 +- 0.0	0

DISTANCE(mi) FROM THE REACTOR	AVER.EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
0-2	19.4 +- .7	9
2-5	18.8 +- .5	6
>5	18.6 +- 1.4	8
UPWIND CONTROL DATA	17.8 +- .8	3

FT. CALHOUN

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820326-820706 103 DAYS
FIELD TIME 820401-820626 87 DAYS

NRC STATION	LOCATION AZIMUTH (deg.)	LOCATION DIST (mi.)	GROSS EXPOSURE(mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
002	351	4.60	26.3 +- .1	23.0 +- .1
003	30	2.50	25.7 +- .1	22.5 +- .1
004	27	4.60	26.9 +- 1.6	23.5 +- 1.4
005	53	1.90	23.5 +- 1.0	20.5 +- .9
006	37	3.90	24.9 +- .4	21.8 +- .3
008	59	5.20	24.0 +- .1	20.9 +- .1
009	100	2.30	22.3 +- .6	19.5 +- .6
010	88	5.60	25.4 +- .3	22.2 +- .2
011	122	2.30	24.3 +- .6	21.2 +- .6
012	105	5.70	23.6 +- .7	20.6 +- .6
013	145	1.90	21.7 +- .3	18.9 +- .3
014	128	5.50	25.4 +- .5	22.2 +- .4
015	157	1.90	24.7 +- .1	21.6 +- .1
016	150	4.90	24.3 +- 1.0	21.2 +- .9
017	173	0.50	25.5 +- 1.2	22.3 +- 1.0
018	173	5.30	26.1 +- .7	22.8 +- .6
019	212	2.50	27.5 +- 1.5	24.0 +- 1.3
020	204	5.30	25.8 +- .9	22.5 +- .8
021	233	2.00	26.2 +- .6	22.9 +- .5
022	224	4.60	25.5 +- .0	22.3 +- .0

FT. CALHOUN

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820326-820706 103 DAYS
FIELD TIME 820401-820626 87 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
023	239	0.60	24.6 +- .6	21.5 +- .5
024	243	6.90	22.1 +- .6	19.3 +- .5
025	269	3.30	27.4 +- .4	24.0 +- .3
026	262	5.90	27.7 +- .6	24.2 +- .5
027	288	2.80	23.0 +- .3	20.1 +- .3
028	292	5.00	23.7 +- .8	20.7 +- .7
029	311	2.40	24.8 +- .9	21.6 +- .8
031	340	2.30	25.3 +- 1.7	22.1 +- 1.5
032	338	5.30	24.2 +- .0	21.1 +- .0
033	182	0.50	24.5 +- .1	21.4 +- .1
035	127	2.20	23.3 +- .1	20.4 +- .1
039	150	5.00	26.8 +- .1	23.4 +- .1
040	73	9.50	25.7 +- .1	22.5 +- .1
043	29	8.00	25.1 +- .5	21.9 +- .4
044	65	3.50	24.0 +- .6	21.0 +- .5
045	182	4.20	24.4 +- .8	21.3 +- .7
047	298	4.50	25.3 +- 1.2	22.1 +- 1.0
048	13	13.5	20.9 +- .1	18.2 +- .1
049	207	18.5	25.4 +- .5	22.2 +- .4
050	CTL	TLD	14.3 +- .3	12.5 +- .3

FT. CALHOUN
FOR THE PERIOD 820326-820706 103 DAYS

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
348.75-11.25 (N)	23.0 +- 0.0	1
11.25-33.75 (NNE)	22.6 +- .8	3
33.75-56.25 (NE)	21.1 +- .9	2
56.25-78.75 (ENE)	21.5 +- .9	3
78.75-101.25 (E)	20.9 +- 1.9	2
101.25-123.75(ESE)	20.9 +- .5	2
123.75-146.25(SE)	20.5 +- 1.6	3
146.25-168.75(SSE)	22.1 +- 1.2	3
168.75-191.25(S)	22.0 +- .7	4
191.25-213.75(SSW)	23.3 +- 1.1	2
213.75-236.25(SW)	22.6 +- .4	2
236.25-258.75(WSW)	20.4 +- 1.5	2
258.75-281.25(W)	24.1 +- .2	2
281.25-303.75(WNW)	21.0 +- 1.0	3
303.75-326.25(NW)	21.6 +- 0.0	1
326.25-348.75(NNW)	21.6 +- .7	2

DISTANCE(mi) FROM THE REACTOR	AVER.EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
0-2	21.3 +- 1.3	7
2-5	21.9 +- 1.3	19
>5	21.8 +- 1.3	11
UPWIND CONTROL DATA	20.2 +- 2.8	2

FT. ST. VRAIN

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820323-820712 112 DAYS
FIELD TIME 820406-820701 87 DAYS

NRC STATION	LOCATION AZIMUTH (deg.)	DIST (mi.)	GROSS EXPOSURE(mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
050	CTL	TLD	16.1 +- .0	12.9 +- .0
001	8	0.80	35.7 +- .5	28.7 +- .4
002	2	3.25	35.7 +- .4	28.6 +- .3
003	29	2.60	36.0 +- .2	28.9 +- .1
004	17	5.40	36.6 +- .4	29.4 +- .3
005	54	2.10	34.8 +- .6	28.0 +- .5
006	48	4.75	35.7 +- .1	28.7 +- .1
007	76	2.60	39.1 +- .1	31.4 +- .1
008	58	4.20	37.1 +- .1	29.8 +- .1
010	87	4.50	33.7 +- .7	27.1 +- .6
011	118	1.60	37.9 +- .4	30.4 +- .3
012	104	3.00	40.3 +- .6	32.4 +- .5
013	143	1.60	36.7 +- .1	29.5 +- .1
014	128	4.50	36.7 +- 1.0	29.5 +- .8
015	168	2.30	35.7 +- .1	28.7 +- .0
016	148	4.60	36.6 +- .7	29.4 +- .6
017	182	0.80	38.5 +- .4	30.9 +- .4
018	175	4.80	37.8 +- .5	30.4 +- .4
020	200	2.90	38.8 +- .3	31.2 +- .3
021	234	1.30	37.9 +- .1	30.4 +- .0

FT. ST. VRAIN

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820323-820712 112 DAYS
FIELD TIME 820406-820701 87 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
022	216	3.30	37.6 +- .8	30.2 +- .7
023	254	2.50	38.0 +- .4	30.6 +- .3
024	244	3.80	32.2 +- 1.1	25.9 +- .9
025	278	1.50	36.1 +- 1.0	29.0 +- .8
026	263	5.40	34.0 +- .2	27.3 +- .1
027	297	1.70	37.1 +- 1.0	29.8 +- .8
028	284	5.60	37.5 +- .3	30.2 +- .3
029	317	0.90	38.0 +- .7	30.6 +- .6
030	305	4.20	35.8 +- .5	28.8 +- .4
031	338	1.40	36.7 +- .1	29.5 +- .1
032	330	5.00	34.3 +- .9	27.5 +- .7
033	267	6.50	40.5 +- .5	32.6 +- .4
034	130	3.70	38.0 +- .3	30.5 +- .2
035	270	0.10	35.1 +- .2	28.2 +- .1
038	345	6.70	38.2 +- .4	30.7 +- .3
039	10	6.00	37.4 +- .5	30.0 +- .4
040	63	6.00	35.8 +- .5	28.8 +- .4
041	165	12.0	39.7 +- 1.4	31.9 +- 1.1
042	248	13.0	42.0 +- 1.0	33.7 +- .8
045	198	10.5	36.2 +- 1.6	29.1 +- 1.3
046	39	16.0	37.6 +- .8	30.2 +- .6

FT. ST. VRAIN

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820323-820712 112 DAYS
FIELD TIME 820406-820701 87 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
047	357	17.0	34.1 +- 1.0	27.4 +- .8
048	171	18.0	38.3 +- .9	30.7 +- .7
049	360	0.50	40.1 +- .7	32.2 +- .5

FT. ST. VRAIN
FOR THE PERIOD 820323-820712 112 DAYS

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
348.75-11.25 (N)	29.1 +- .8	3
11.25-33.75 (NNE)	29.2 +- .3	2
33.75-56.25 (NE)	29.0 +- 1.2	3
56.25-78.75 (ENE)	30.0 +- 1.4	3
78.75-101.25 (E)	27.1 +- 0.0	1
101.25-123.75(ESE)	31.4 +- 1.4	2
123.75-146.25(SE)	29.8 +- .6	3
146.25-168.75(SSE)	30.0 +- 1.7	3
168.75-191.25(S)	30.6 +- .4	2
191.25-213.75(SSW)	30.1 +- 1.5	2
213.75-236.25(SW)	30.3 +- .2	2
236.25-258.75(WSW)	30.0 +- 4.0	3
258.75-281.25(W)	29.3 +- 2.3	4
281.25-303.75(WNW)	30.0 +- .3	2
303.75-326.25(NW)	29.7 +- 1.3	2
326.25-348.75(NNW)	29.3 +- 1.6	3

DISTANCE(mi) FROM THE REACTOR	AVER.EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
0-2	29.7 +- .9	10
2-5	29.3 +- 1.6	19
>5	30.3 +- 1.8	11
UPWIND CONTROL DATA	30.1 +- 2.5	3

GINNA

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820323-820720 120 DAYS
FIELD TIME 820413-820714 93 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
001	95	1.70	24.6 +- .3	18.4 +- .2
002	108	1.10	24.3 +- 1.2	18.2 +- .9
003	142	1.70	24.3 +- .2	18.2 +- .2
005	174	1.40	26.1 +- .5	19.6 +- .4
007	244	0.90	22.6 +- .3	16.9 +- .2
008	230	0.60	24.9 +- .0	18.6 +- .0
010	266	1.50	25.0 +- .1	18.8 +- .1
011	264	4.60	26.0 +- 1.7	19.5 +- 1.3
012	245	3.80	25.1 +- .8	18.8 +- .6
013	235	4.20	17.3 +- .1	13.0 +- .0
015	178	3.40	24.0 +- .1	18.0 +- .1
016	160	3.70	23.5 +- .0	17.7 +- .0
017	134	3.80	22.5 +- .6	16.9 +- .4
018	115	4.30	26.3 +- .2	19.7 +- .1
019	88	4.00	22.9 +- 1.1	17.2 +- .8
020	90	6.20	21.5 +- .6	16.2 +- .5
021	123	7.60	24.1 +- .1	18.1 +- .1
022	105	12.5	22.9 +- .6	17.2 +- .5
025	223	13.2	20.6 +- .2	15.4 +- .1
026	242	16.5	24.1 +- .4	18.1 +- .3

GINNA

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820323-820720 120 DAYS
FIELD TIME 820413-820714 93 DAYS

NRC STATION	LOCATION AZIMUTH (deg.)	LOCATION DIST (mi.)	GROSS EXPOSURE(mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
027	254	14.5	24.4 +- .3	18.3 +- .2
028	234	6.90	25.2 +- .8	18.9 +- .6
029	185	0.30	25.6 +- .4	19.2 +- .3
030	264	14.8	23.2 +- .8	17.4 +- .6

GINNA
FOR THE PERIOD 820323-820720 120 DAYS

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
348.75-11.25 (N)	0.0 +- 0.0	0
11.25-33.75 (NNE)	0.0 +- 0.0	0
33.75-56.25 (NE)	0.0 +- 0.0	0
56.25-78.75 (ENE)	0.0 +- 0.0	0
78.75-101.25 (E)	17.2 +- 1.1	3
101.25-123.75(ESE)	18.3 +- 1.1	4
123.75-146.25(SE)	17.5 +- .9	2
146.25-168.75(SSE)	17.7 +- 0.0	1
168.75-191.25(S)	18.9 +- .8	3
191.25-213.75(SSW)	0.0 +- 0.0	0
213.75-236.25(SW)	16.5 +- 2.8	4
236.25-258.75(WSW)	17.9 +- 1.4	2
258.75-281.25(W)	19.1 +- .5	2
281.25-303.75(WNW)	0.0 +- 0.0	0
303.75-326.25(NW)	0.0 +- 0.0	0
326.25-348.75(NNW)	0.0 +- 0.0	0

DISTANCE(mi) FROM THE REACTOR	AVER.EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
0-2	18.5 +- .8	8
2-5	17.6 +- 2.1	8
>5	17.1 +- 1.4	5
UPWIND CONTROL DATA	17.9 +- .5	3

GRAND GULF

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820323-820707 107 DAYS
FIELD TIME 820401-820701 92 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
002	351	1.57	16.2 +- .1	13.6 +- .1
003	20	1.52	19.7 +- .2	16.6 +- .2
004	51	2.28	16.8 +- .3	14.2 +- .3
005	68	2.66	18.7 +- .4	15.8 +- .4
006	47	4.09	17.8 +- .4	15.0 +- .4
007	68	4.89	19.0 +- .3	16.0 +- .2
008	91	3.23	20.4 +- .6	17.1 +- .5
009	81	1.04	18.4 +- .2	15.4 +- .1
011	139	0.76	19.4 +- .2	16.3 +- .1
012	185	1.56	18.6 +- .0	15.7 +- .0
013	207	1.88	19.7 +- .2	16.6 +- .1
014	247	1.50	18.0 +- 1.1	15.2 +- .9
015	130	4.23	19.2 +- .3	16.2 +- .2
016	122	4.80	19.4 +- .7	16.3 +- .6
017	135	5.32	9.8 +- 1.5	8.2 +- 1.3
018	147	4.30	15.5 +- .0	13.1 +- .0
019	224	6.80	19.8 +- .4	16.6 +- .3
020	172	3.60	16.4 +- .0	13.8 +- .0
021	291	12.3	17.6 +- .0	14.8 +- .0
022	332	8.00	19.6 +- .7	16.5 +- .6

GRAND GULF

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820323-820707 107 DAYS
FIELD TIME 820401-820701 92 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
023	310	7.90	16.9 +- .1	14.2 +- .1
024	281	7.00	16.1 +- .1	13.5 +- .1
025	291	4.80	18.3 +- .2	15.4 +- .2
026	248	9.50	20.0 +- .7	16.8 +- .6
027	239	12.9	16.3 +- .4	13.7 +- .3
029	90	0.90	17.4 +- .2	14.6 +- .2
030	67	51.0	14.1 +- .1	11.9 +- .1
031	67	51.0	13.8 +- .3	11.6 +- .3
032	67	51.0	14.7 +- .8	12.3 +- .7
033	206	4.80	19.3 +- .5	16.2 +- .4
050	CTL	TLD	7.2 +- .2	6.1 +- .2

GRAND GULF
FOR THE PERIOD 820323-820707 107 DAYS

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
348.75-11.25 (N)	13.6 +- 0.0	1
11.25-33.75 (NNE)	16.6 +- 0.0	1
33.75-56.25 (NE)	14.6 +- .6	2
56.25-78.75 (ENE)	15.9 +- .2	2
78.75-101.25 (E)	15.7 +- 1.3	3
101.25-123.75(ESE)	16.3 +- 0.0	1
123.75-146.25(SE)	13.6 +- 4.6	3
146.25-168.75(SSE)	13.1 +- 0.0	1
168.75-191.25(S)	14.7 +- 1.3	2
191.25-213.75(SSW)	16.4 +- .3	2
213.75-236.25(SW)	16.6 +- 0.0	1
236.25-258.75(WSW)	15.2 +- 1.6	3
258.75-281.25(W)	13.5 +- 0.0	1
281.25-303.75(WNW)	15.1 +- .4	2
303.75-326.25(NW)	14.2 +- 0.0	1
326.25-348.75(NNW)	16.5 +- 0.0	1

DISTANCE(mi) FROM THE REACTOR	AVER.EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
0-2	15.5 +- 1.0	8
2-5	15.4 +- 1.2	11
>5	14.3 +- 2.8	8
UPWIND CONTROL DATA	11.9 +- .4	3

HADDAM NECK

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820324-820707 106 DAYS
FIELD TIME 820401-820701 92 DAYS

NRC STATION	LOCATION AZIMUTH (deg.)	DIST (mi.)	GROSS EXPOSURE (mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
050	CTL	TLD	7.9 +- .8	6.7 +- .7
002	17	2.60	19.7 +- .5	16.7 +- .5
003	45	1.90	16.0 +- .1	13.6 +- .1
004	67	2.30	18.8 +- 1.2	16.0 +- 1.0
005	93	1.60	17.4 +- .5	14.8 +- .4
006	115	2.30	16.1 +- .2	13.7 +- .2
007	143	1.90	18.7 +- .4	15.9 +- .3
008	165	0.90	22.3 +- .2	19.0 +- .2
009	174	1.30	17.9 +- .7	15.2 +- .6
010	195	0.70	16.0 +- .1	13.5 +- .1
012	241	0.80	17.5 +- .2	14.8 +- .2
013	263	0.80	16.0 +- .3	13.6 +- .2
014	290	1.90	18.2 +- .8	15.4 +- .7
017	360	2.30	25.5 +- .2	21.7 +- .2
018	222	2.50	17.0 +- .6	14.4 +- .5
020	66	3.20	17.1 +- .5	14.5 +- .4
021	91	2.80	18.4 +- .2	15.6 +- .2
022	112	3.20	16.1 +- .5	13.6 +- .4
023	137	2.90	15.9 +- .6	13.5 +- .5
024	155	7.10	15.5 +- .0	13.1 +- .0

HADDAM NECK

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820324-820707 106 DAYS
FIELD TIME 820401-820701 92 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
025	175	5.70	17.3 +- .6	14.7 +- .5
026	196	2.50	15.4 +- .2	13.1 +- .2
027	225	1.10	17.2 +- .1	14.6 +- .1
028	250	3.50	16.2 +- .0	13.7 +- .0
029	340	20.0	28.6 +- .9	24.2 +- .8
030	286	3.20	16.1 +- .2	13.7 +- .1
031	322	2.70	22.9 +- .8	19.5 +- .7
032	327	2.90	19.2 +- .8	16.3 +- .7
033	359	6.40	16.5 +- .2	14.0 +- .2
035	54	10.7	17.6 +- .5	15.0 +- .5
036	72	8.80	20.7 +- .3	17.6 +- .2
037	149	6.80	16.2 +- .2	13.8 +- .1
038	158	5.90	16.5 +- .6	14.0 +- .5
039	267	8.80	16.3 +- .4	13.8 +- .3
040	303	9.10	19.0 +- .2	16.1 +- .2
041	313	9.60	18.0 +- .1	15.3 +- .1
042	320	12.8	17.6 +- .3	15.0 +- .2
043	324	18.4	20.4 +- .0	17.3 +- .0
044	328	14.8	17.7 +- .1	15.0 +- .1
045	343	18.0	19.4 +- .5	16.4 +- .4
046	144	4.80	17.1 +- .0	14.5 +- .0

HADDAM NECK

ILD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820324-820707 106 DAYS
FIELD TIME 820401-820701 92 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
047	330	20.0	24.1 +- .4	20.5 +- .3
048	330	20.0	20.1 +- .1	17.1 +- .1
049	340	20.0	18.2 +- .4	15.5 +- .3

HADDAM NECK
FOR THE PERIOD 820324-820707 106 DAYS

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
348.75-11.25 (N)	17.8 +- 5.4	2
11.25-33.75 (NNE)	16.7 +- 0.0	1
33.75-56.25 (NE)	14.3 +- 1.0	2
56.25-78.75 (ENE)	16.0 +- 1.5	3
78.75-101.25 (E)	15.2 +- .5	2
101.25-123.75(ESE	13.6 +- .0	2
123.75-146.25(SE)	14.6 +- 1.2	3
146.25-168.75(SSE)	15.0 +- 2.7	4
168.75-191.25(S)	15.0 +- .3	2
191.25-213.75(SSW)	13.3 +- .3	2
213.75-236.25(SW)	14.5 +- .1	2
236.25-258.75(WSW)	14.3 +- .8	2
258.75-281.25(W)	13.7 +- .2	2
281.25-303.75(WNW)	15.1 +- 1.3	3
303.75-326.25(NW)	16.8 +- 2.1	4
326.25-348.75(NNW)	18.0 +- 4.2	4

DISTANCE(mi) FROM THE REACTOR	AVER.EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
0-2	15.0 +- 1.6	10
2-5	15.4 +- 2.4	15
>5	15.7 +- 2.7	15
UPWIND CONTROL DATA	17.7 +- 2.6	3

HATCH

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820326-820804 132 DAYS
FIELD TIME 820407-820722 107 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
001	342	23.0	25.8 +- 1.4	17.6 +- .9
002	359	7.70	25.8 +- .3	17.6 +- .2
004	336	2.90	24.7 +- .2	16.8 +- .2
005	309	4.60	26.2 +- 1.1	17.9 +- .8
006	297	5.60	27.3 +- .4	18.6 +- .2
007	24	2.80	24.3 +- .7	16.6 +- .5
008	49	2.00	24.2 +- .2	16.5 +- .1
009	49	10.0	26.8 +- 1.0	18.3 +- .7
010	28	4.80	26.2 +- .2	17.9 +- .1
011	67	5.00	20.8 +- .9	14.1 +- .6
012	50	5.10	28.4 +- .1	19.4 +- .1
013	353	2.00	19.5 +- .9	13.3 +- .6
014	341	1.60	24.7 +- .0	16.8 +- .0
015	147	10.5	24.4 +- .2	16.6 +- .1
016	232	0.90	23.5 +- .5	16.0 +- .3
017	205	1.60	31.6 +- .5	21.5 +- .3
018	192	4.20	23.2 +- .6	15.8 +- .4
019	184	4.20	21.9 +- .1	14.9 +- .0
020	165	4.60	23.3 +- 1.3	15.9 +- .9
021	135	4.40	22.9 +- .3	15.6 +- .2

HATCH

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820326-820804 132 DAYS
FIELD TIME 820407-820722 107 DAYS

NRC STATION	LOCATION AZIMUTH (deg.)	DIST (mi.)	GROSS EXPOSURE (mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
023	107	3.70	39.3 +- .1	26.8 +- .1
024	123	13.6	21.9 +- .5	15.0 +- .3
025	114	12.1	23.6 +- .3	16.1 +- .2
026	142	1.80	26.6 +- .5	18.1 +- .4
027	157	2.20	24.0 +- .4	16.4 +- .3
028	171	0.90	20.5 +- .4	13.9 +- .3
029	253	1.00	23.8 +- .4	16.2 +- .3
030	270	1.00	25.6 +- 1.4	17.5 +- 1.0
032	268	4.20	22.7 +- .2	15.5 +- .1
033	248	4.30	23.8 +- 1.6	16.3 +- 1.1
034	216	4.10	18.8 +- .4	12.8 +- .3
036	182	10.0	21.0 +- .8	14.3 +- .5
037	177	10.0	16.1 +- .3	10.9 +- .2
038	323	12.4	26.1 +- .5	17.8 +- .3
039	321	13.0	25.6 +- .3	17.4 +- .2
040	323	12.4	25.9 +- .7	17.6 +- .5
050	CTL	TLD	9.1 +- .1	6.2 +- .1

HATCH
FOR THE PERIOD 820326-820904 132 DAYS

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
348.75-11.25 (N)	15.4 +- 3.6	2
11.25-33.75 (NNE)	17.2 +- .9	2
33.75-56.25 (NE)	18.1 +- 1.4	3
56.25-78.75 (ENE)	14.1 +- 0.0	1
78.75-101.25 (E)	0.0 +- 0.0	0
101.25-123.75(ESE)	19.3 +- 6.5	3
123.75-146.25(SE)	16.9 +- 1.8	2
146.25-168.75(SSE)	16.3 +- .4	3
168.75-191.25(S)	13.5 +- 1.8	4
191.25-213.75(SSW)	18.7 +- 4.0	2
213.75-236.25(SW)	14.4 +- 2.2	2
236.25-258.75(WSW)	16.2 +- .0	2
258.75-281.25(W)	16.5 +- 1.4	2
281.25-303.75(WNW)	18.6 +- 0.0	1
303.75-326.25(NW)	17.9 +- 0.0	1
326.25-348.75(NNW)	17.1 +- .5	3

DISTANCE(mi) FROM THE REACTOR	AVER.EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
0-2	16.7 +- 2.4	9
2-5	16.7 +- 3.2	14
>5	16.4 +- 2.5	10
UPWIND CONTROL DATA	17.6 +- .2	3

INDIAN POINT

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820323-820720 120 DAYS
FIELD TIME 820407-820707 92 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
050	171	7.10	24.4 +- 1.7	18.3 +- 1.3
051	5	92.4	24.9 +- 1.0	18.7 +- .8
052	5	92.4	26.5 +- .9	19.9 +- .7
001	52	1.40	28.1 +- .1	21.1 +- .1
002	53	1.00	25.5 +- 1.0	19.1 +- .8
003	61	1.50	19.8 +- .3	14.9 +- .2
004	89	1.20	18.9 +- .4	14.2 +- .3
005	107	0.90	25.1 +- .1	18.8 +- .1
006	90	0.50	25.2 +- 1.1	18.9 +- .9
007	133	0.80	18.8 +- .3	14.1 +- .2
008	158	0.80	21.9 +- 1.0	16.4 +- .7
009	188	1.20	27.0 +- .5	20.3 +- .4
011	170	1.10	24.7 +- .0	18.5 +- .0
012	155	2.30	24.3 +- .4	18.2 +- .3
014	107	3.10	17.2 +- .0	12.9 +- .0
015	94	3.80	25.8 +- .5	19.4 +- .4
016	142	5.70	27.6 +- .9	20.7 +- .7
017	148	6.50	26.0 +- .8	19.5 +- .6
018	147	9.10	19.5 +- .4	14.7 +- .3

INDIAN POINT

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820323-820720 120 DAYS
FIELD TIME 820407-820707 92 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
019	137	11.7	26.6 +- .4	19.9 +- .3
022	74	7.50	24.8 +- .6	18.6 +- .4
023	48	6.20	24.9 +- .5	18.7 +- .3
024	62	5.30	25.0 +- .1	18.7 +- .0
026	40	4.00	27.2 +- .5	20.4 +- .4
027	25	5.30	20.0 +- .2	15.0 +- .1
028	24	2.90	25.7 +- .5	19.3 +- .3
029	22	2.10	25.3 +- .4	19.0 +- .3
030	8	1.90	26.7 +- .0	20.0 +- .0
032	330	3.70	26.2 +- .0	19.6 +- .0
033	338	4.70	27.1 +- .6	20.3 +- .5
034	354	7.00	29.3 +- .5	21.9 +- .4
035	297	4.40	27.0 +- .8	20.3 +- .6
036	309	3.60	26.5 +- .8	19.9 +- .6
037	350	1.10	27.2 +- .7	20.4 +- .5
038	337	0.90	26.8 +- .2	20.1 +- .2
039	315	1.00	25.1 +- .2	18.9 +- .2
040	294	1.10	26.5 +- .5	19.9 +- .4
041	274	1.10	25.7 +- 1.1	19.3 +- .8
042	248	1.50	29.1 +- .3	21.8 +- .2
043	263	2.80	30.5 +- .6	22.9 +- .5

INDIAN POINT

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820323-820720 120 DAYS
FIELD TIME 820407-820707 92 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
044	239	4.10	23.7 +- 0.0	17.8 +- 0.0
045	227	2.40	27.0 +- 1.6	20.2 +- 1.2
046	209	3.20	27.3 +- .6	20.5 +- .4
047	218	5.30	25.5 +- 1.6	19.1 +- 1.2
048	201	4.60	26.6 +- .1	19.9 +- .1
049	187	5.20	25.4 +- .2	19.1 +- .2

INDIAN POINT
FOR THE PERIOD 820323-820720 120 DAYS

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
348.75-11.25 (N)	20.2 +- 1.2	5
11.25-33.75 (NNE)	17.7 +- 2.4	3
33.75-56.25 (NE)	19.6 +- 1.2	2
56.25-78.75 (ENE)	18.7 +- .1	2
78.75-101.25 (E)	17.5 +- 2.9	3
101.25-123.75(ESE)	15.9 +- 4.2	2
123.75-146.25(SE)	18.2 +- 3.6	3
146.25-168.75(SSE)	17.2 +- 2.1	4
168.75-191.25(S)	19.0 +- .9	4
191.25-213.75(SSW)	20.2 +- .4	2
213.75-236.25(SW)	19.7 +- .8	2
236.25-258.75(WSW)	19.8 +- 2.9	2
258.75-281.25(W)	21.1 +- 2.6	2
281.25-303.75(WNW)	20.1 +- .3	2
303.75-326.25(NW)	19.4 +- .7	2
326.25-348.75(NNW)	20.0 +- .3	3

DISTANCE(mi) FROM THE REACTOR	AVER.EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
0-2	18.7 +- 2.3	14
2-5	19.4 +- 2.1	15
>5	18.8 +- 1.9	14
UPWIND CONTROL DATA	18.4 +- 3.2	3

KEWAUNEE/POINT BEACH

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820325-820727 125 DAYS
FIELD TIME 820415-820722 99 DAYS

NRC STATION	LOCATION AZIMUTH (deg.)	DIST (mi.)	GROSS EXPOSURE (mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
050	CTL	TLD	12.7 +- .4	9.1 +- .3
001	189	8.10	22.8 +- 1.0	16.4 +- .7
002	195	7.00	24.2 +- .2	17.4 +- .1
003	163	4.90	24.5 +- .1	17.6 +- .1
004	183	3.30	28.9 +- 1.3	20.8 +- .9
005	210	3.20	23.5 +- .1	16.9 +- .0
006	223	3.70	27.6 +- 1.3	19.9 +- 1.0
007	242	5.70	23.0 +- .9	16.6 +- .6
008	202	1.80	27.5 +- 1.6	19.8 +- 1.2
010	158	1.90	23.7 +- .4	17.0 +- .3
011	235	1.20	28.1 +- .4	20.2 +- .3
012	258	1.40	27.7 +- .2	20.0 +- .1
013	273	1.40	24.9 +- 1.6	17.9 +- 1.1
015	333	0.80	24.0 +- .1	17.2 +- .1
016	342	1.90	25.3 +- .4	18.2 +- .3
017	317	2.00	25.8 +- .3	18.5 +- .2
018	310	3.40	28.2 +- .6	20.3 +- .5
019	293	4.00	25.7 +- .0	18.5 +- .0
021	300	5.60	25.6 +- 1.8	18.4 +- 1.3
022	316	5.90	25.1 +- 1.7	18.1 +- 1.2

KEWAUNEE/POINT BEACH

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820325-820727 125 DAYS
FIELD TIME 820415-820722 99 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
023	345	2.70	26.0 +- .4	13.7 +- .3
025	247	1.40	26.8 +- .5	19.3 +- .4
026	263	1.30	25.9 +- .3	18.7 +- .2
027	290	1.40	26.1 +- .4	18.8 +- .3
028	320	1.30	28.3 +- .0	20.4 +- .0
029	342	1.10	26.7 +- 1.3	19.2 +- .9
030	329	0.60	26.2 +- .8	18.9 +- .6
031	13	1.00	22.8 +- 1.1	16.4 +- .8
032	353	2.10	25.7 +- .3	18.5 +- .2
033	301	3.90	24.2 +- .2	17.4 +- .1
034	299	8.40	25.9 +- .4	18.6 +- .3
035	323	3.80	22.0 +- .5	15.9 +- .3
036	336	3.30	26.3 +- .4	18.9 +- .3
037	6	3.10	23.1 +- .6	16.6 +- .4
038	14	3.70	26.5 +- 1.0	19.1 +- .7
039	13	7.60	19.6 +- .5	14.1 +- .3
040	247	4.30	22.5 +- 1.7	16.2 +- 1.2
041	8	22.8	25.1 +- 1.0	18.1 +- .7
042	8	22.8	23.8 +- .3	17.2 +- .2
043	8	22.8	22.4 +- .4	16.1 +- .3

KEWAUNEE/POINT BEACH
FOR THE PERIOD 820325-820727 125 DAYS

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
348.75-11.25 (N)	17.6 +- 1.4	2
11.25-33.75 (NNE)	16.6 +- 2.5	3
33.75-56.25 (NE)	0.0 +- 0.0	0
56.25-78.75 (ENE)	0.0 +- 0.0	0
78.75-101.25 (E)	0.0 +- 0.0	0
101.25-123.75(ESE)	0.0 +- 0.0	0
123.75-146.25(SE)	0.0 +- 0.0	0
146.25-168.75(SSE)	17.3 +- .4	2
168.75-191.25(S)	18.6 +- 3.1	2
191.25-213.75(SSW)	18.1 +- 1.6	3
213.75-236.25(SW)	20.0 +- .2	2
236.25-258.75(WSW)	18.0 +- 1.9	4
258.75-281.25(W)	18.3 +- .5	2
281.25-303.75(WNW)	18.3 +- .5	5
303.75-326.25(NW)	18.6 +- 1.9	5
326.25-348.75(NNW)	18.5 +- .7	6

DISTANCE(mi) FROM THE REACTOR	AVER.EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
0-2	18.7 +- 1.2	15
2-5	18.2 +- 1.5	14
>5	17.1 +- 1.8	7
UPWIND CONTROL DATA	17.1 +- 1.0	3

LACROSSE

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820324-820720 119 DAYS
FIELD TIME 820408-820715 99 DAYS

NRC STATION	LOCATION AZIMUTH (deg.)	DIST (mi.)	GROSS EXPOSURE (mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
050	CTL	TLD	13.0 +- 1.3	9.8 +- 1.0
001	5	20.0	25.3 +- 1.5	19.1 +- 1.1
002	5	20.0	23.6 +- .2	17.9 +- .1
003	3	20.5	26.2 +- .5	19.8 +- .4
006	291	3.00	26.5 +- 1.1	20.0 +- .8
007	261	4.80	26.8 +- .3	20.3 +- .2
008	249	3.20	29.4 +- .3	22.2 +- .2
009	214	5.00	23.4 +- 1.1	17.7 +- .8
010	171	9.80	23.1 +- 1.4	17.5 +- 1.0
011	176	5.10	21.9 +- .3	16.6 +- .2
012	165	4.90	25.6 +- .4	19.4 +- .3
013	138	3.50	22.4 +- .8	16.9 +- .6
014	114	4.20	23.8 +- 1.0	18.0 +- .8
017	105	2.00	26.2 +- .2	19.8 +- .2
018	52	1.50	23.2 +- .7	17.5 +- .5
019	16	1.50	22.5 +- .7	17.0 +- .5
021	358	0.50	26.3 +- 1.5	19.9 +- 1.2
022	180	0.60	26.1 +- .9	19.7 +- .7
023	134	1.70	24.6 +- .5	18.6 +- .4
024	58	0.60	27.0 +- .5	20.4 +- .4

LACROSSE

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820324-820720 119 DAYS
FIELD TIME 820408-820715 99 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
026	16	1.50	27.7 +- 1.2	20.9 +- .9
027	26	5.10	23.7 +- .4	17.9 +- .3
028	25	7.00	23.7 +- .3	17.9 +- .3
029	4	4.80	26.6 +- .5	20.1 +- .4

LACROSSE
FOR THE PERIOD 820324-820720 119 DAYS

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
348.75-11.25 (N)	20.0 +- .1	2
11.25-33.75 (NNE)	18.5 +- 1.7	4
33.75-56.25 (NE)	17.5 +- 0.0	1
56.25-78.75 (ENE)	20.4 +- 0.0	1
78.75-101.25 (E)	0.0 +- 0.0	0
101.25-123.75(ESE)	18.9 +- 1.3	2
123.75-146.25(SE)	17.8 +- 1.2	2
146.25-168.75(SSE)	19.4 +- 0.0	1
168.75-191.25(S)	17.9 +- 1.6	3
191.25-213.75(SSW)	0.0 +- 0.0	0
213.75-236.25(SW)	17.7 +- 0.0	1
236.25-258.75(WSW)	22.2 +- 0.0	1
258.75-281.25(W)	20.3 +- 0.0	1
281.25-303.75(WNW)	20.0 +- 0.0	1
303.75-326.25(NW)	0.0 +- 0.0	0
326.25-348.75(NNW)	0.0 +- 0.0	0

DISTANCE(mi) FROM THE REACTOR	AVER.EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
0-2	19.2 +- 1.4	8
2-5	19.3 +- 1.7	8
>5	17.5 +- .6	4
UPWIND CONTROL DATA	18.9 +- 1.0	3

LASALLE

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820322-820720 121 DAYS
FIELD TIME 820327-820711 107 DAYS

NRC STATION	LOCATION AZIMUTH (deg.)	DIST (mi.)	GROSS EXPOSURE(mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
050	CTL	TLD	13.7 +- .1	10.2 +- .1
002	335	4.80	28.2 +- .2	21.0 +- .1
003	343	5.80	25.9 +- .3	19.2 +- .2
004	38	5.50	25.4 +- .2	18.9 +- .1
005	39	4.30	24.0 +- .0	17.8 +- .0
006	27	3.80	26.7 +- 1.0	19.9 +- .8
007	355	4.10	29.8 +- .8	22.2 +- .6
008	304	4.60	29.1 +- .2	21.7 +- .2
009	292	3.90	29.6 +- .4	22.0 +- .3
010	276	3.70	26.9 +- .3	20.0 +- .2
011	248	4.00	29.0 +- .4	21.6 +- .3
012	222	12.3	25.2 +- 1.1	18.8 +- .8
013	212	18.1	29.1 +- .3	21.6 +- .2
014	212	18.1	28.1 +- 1.1	20.9 +- .8
015	212	18.0	28.1 +- .3	20.9 +- .2
016	215	4.40	29.6 +- .4	22.0 +- .3
017	204	4.00	28.3 +- .2	21.0 +- .2
018	173	4.60	29.6 +- .5	22.0 +- .4
019	174	6.40	29.2 +- .4	21.7 +- .3
02[illegible]	125	4.20	28.9 +- .3	21.5 +- .2

LASALLE

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820322-820720 121 DAYS
FIELD TIME 820327-820711 107 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
022	114	3.80	27.6 +- .5	20.6 +- .4
023	97	4.50	27.3 +- .1	20.3 +- .1
024	72	4.70	26.6 +- 1.1	19.8 +- .8
025	41	2.00	27.5 +- .9	20.4 +- .6
026	13	1.60	27.7 +- .3	20.6 +- .2
027	358	1.50	29.1 +- 1.2	21.6 +- .9
028	336	1.60	27.0 +- .7	20.1 +- .5
029	310	2.30	27.0 +- .9	20.1 +- .7
030	301	2.00	30.6 +- .7	22.8 +- .5
031	271	1.70	27.0 +- .8	20.1 +- .6
032	251	1.80	29.4 +- .8	21.9 +- .6
033	227	2.40	28.8 +- .4	21.4 +- .3
034	204	1.70	27.5 +- .4	20.4 +- .3
035	171	1.60	28.0 +- .5	20.9 +- .4
036	153	1.80	27.3 +- .2	20.3 +- .2
037	139	2.10	26.9 +- 1.3	20.0 +- .9
038	111	1.50	26.5 +- .2	19.7 +- .1
039	271	0.60	28.5 +- 1.0	21.2 +- .7

LASALLE
FOR THE PERIOD 820322-820720 121 DAYS

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
348.75-11.25 (N)	21.9 +- .4	2
11.25-33.75 (NNE)	20.2 +- .5	2
33.75-56.25 (NE)	19.0 +- 1.3	3
56.25-78.75 (ENE)	19.8 +- 0.0	1
78.75-101.25 (E)	20.3 +- 0.0	1
101.25-123.75(ESE)	20.1 +- .6	2
123.75-146.25(SE)	20.8 +- 1.0	2
146.25-168.75(SSE)	20.3 +- 0.0	1
168.75-191.25(S)	21.5 +- .6	3
191.25-213.75(SSW)	20.7 +- .4	2
213.75-236.25(SW)	20.7 +- 1.7	3
236.25-258.75(WSW)	21.7 +- .2	2
258.75-281.25(W)	20.4 +- .7	3
281.25-303.75(WNW)	22.4 +- .5	2
303.75-326.25(NW)	20.9 +- 1.1	2
326.25-348.75(NNW)	20.1 +- .9	3

DISTANCE(mi) FROM THE REACTOR	AVER.EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
0-2	20.8 +- .9	12
2-5	20.8 +- 1.1	18
>5	19.6 +- 1.4	4
UPWIND CONTROL DATA	21.1 +- .4	3

LIMERICK

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820513-820712 61 DAYS
FIELD TIME 820514-820707 55 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
050	CTL	TLD	4.3 +- .3	6.3 +- .4
001	126	9.20	14.2 +- .4	20.9 +- .5
004	52	3.20	13.0 +- .4	19.2 +- .5
005	23	3.50	13.5 +- .4	19.9 +- .6
006	8	4.60	14.1 +- .0	20.8 +- .1
008	330	3.60	12.3 +- .1	18.1 +- .1
009	313	3.30	12.5 +- .0	18.5 +- .0
011	303	2.90	15.8 +- 1.0	23.4 +- 1.5
012	314	1.60	12.0 +- .3	17.7 +- .4
014	339	1.30	11.5 +- .6	17.0 +- .9
015	47	1.80	12.7 +- .0	18.7 +- .1
016	71	2.70	12.9 +- .6	19.0 +- .9
017	17	0.40	12.8 +- .2	18.9 +- .4
018	286	0.52	11.5 +- 1.0	16.9 +- 1.5
019	276	0.59	12.7 +- 1.0	18.8 +- 1.4
020	245	0.88	15.5 +- .4	22.8 +- .6
022	202	1.20	13.3 +- .0	19.7 +- .0
023	172	1.60	12.5 +- .6	18.4 +- .9
024	150	1.70	11.7 +- .5	17.3 +- .7
025	132	1.20	12.6 +- .0	18.6 +- .0

LIMERICK

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820513-820712 61 DAYS
FIELD TIME 820514-820707 55 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
026	120	1.20	14.0 +- .2	20.6 +- .3
027	160	0.95	11.6 +- .2	17.1 +- .3
029	67	0.70	12.6 +- .2	18.6 +- .3
030	146	3.40	15.2 +- .1	22.5 +- .1
032	152	7.40	10.8 +- .3	15.9 +- .4
033	184	4.30	10.6 +- .2	15.7 +- .3
034	201	3.90	10.9 +- .5	16.1 +- .7
035	225	5.10	11.4 +- .4	16.9 +- .6
036	245	4.20	11.8 +- 1.1	17.3 +- 1.7
037	266	3.90	9.4 +- .1	13.9 +- .2
038	290	15.0	12.6 +- .2	18.6 +- .3
041	128	3.00	12.4 +- .1	18.3 +- .1

LIMERICK
FOR THE PERIOD 820513-820712 61 DAYS

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
348.75-11.25 (N)	20.8 +- 0.0	1
11.25-33.75 (NNE)	19.4 +- .7	2
33.75-56.25 (NE)	19.0 +- .4	2
56.25-78.75 (ENE)	18.8 +- .3	2
78.75-101.25 (E)	0.0 +- 0.0	0
101.25-123.75(ESE	20.6 +- 0.0	1
123.75-146.25(SE)	20.1 +- 2.0	4
146.25-168.75(SSE)	16.8 +- .7	3
168.75-191.25(S)	17.0 +- 1.9	2
191.25-213.75(SSW)	17.9 +- 2.5	2
213.75-236.25(SW)	16.9 +- 0.0	1
236.25-258.75(WSW)	20.1 +- 3.9	2
258.75-281.25(W)	16.4 +- 3.4	2
281.25-303.75(WNW)	19.6 +- 3.3	3
303.75-326.25(NW)	18.1 +- .5	2
326.25-348.75(NNW)	17.5 +- .8	2

DISTANCE(mi) FROM THE REACTOR	AVER.EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
0-2	18.6 +- 1.6	14
2-5	18.7 +- 2.6	13
>5	18.1 +- 2.2	4
UPWIND CONTROL DATA	NO DATA	NO DATA

MAINE YANKEE

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820325-820712 110 DAYS
FIELD TIME 820406-820706 92 DAYS

NRC STATION	LOCATION AZIMUTH (deg.)	DIST (mi.)	GROSS EXPOSURE (mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
050	CTL	TLD	3.4 +- .1	2.8 +- .0
002	6	1.40	23.3 +- .1	19.1 +- .1
003	23	1.50	25.1 +- .1	20.5 +- .1
004	44	1.80	25.1 +- .1	20.6 +- .1
005	116	0.50	25.5 +- .4	20.8 +- .3
006	168	1.00	24.0 +- .1	19.6 +- .1
007	185	1.60	24.6 +- .2	20.1 +- .2
008	195	2.30	24.5 +- .8	20.0 +- .7
009	209	3.80	24.1 +- 1.1	19.7 +- .9
010	310	1.70	24.1 +- .5	19.7 +- .4
011	290	1.80	27.3 +- .1	22.3 +- .0
012	275	1.70	25.8 +- .4	21.1 +- .4
013	256	1.90	24.0 +- .3	19.6 +- .3
014	232	2.50	23.4 +- .9	19.1 +- .7
015	227	5.30	24.9 +- .6	20.3 +- .5
016	246	4.40	24.0 +- .5	19.6 +- .4
017	250	6.60	30.4 +- .9	24.9 +- .7
018	268	4.70	24.7 +- .4	20.2 +- .4
019	283	4.40	24.9 +- .6	20.4 +- .5
020	305	4.70	24.5 +- 1.1	20.0 +- .9

MAINE YANKEE

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820325-820712 110 DAYS
FIELD TIME 820406-820706 92 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
022	332	2.70	25.7 +- .7	21.0 +- .6
023	20	3.90	26.6 +- .2	21.8 +- .2
024	23	3.00	27.1 +- .3	22.2 +- .2
025	42	4.70	25.5 +- .1	20.8 +- .0
026	60	15.0	23.7 +- .1	19.4 +- .1
027	62	16.3	19.3 +- .4	15.8 +- .3
028	63	16.3	24.8 +- .2	20.3 +- .1
030	84	1.50	19.3 +- .5	15.8 +- .4
031	115	1.60	24.7 +- .5	20.2 +- .4
032	135	2.00	22.9 +- .3	18.7 +- .2
033	66	3.50	26.2 +- .1	21.4 +- .1
034	97	4.90	18.7 +- .6	15.3 +- .5
035	123	4.80	19.1 +- .2	15.7 +- .1
036	140	4.90	25.6 +- .5	21.0 +- .4
037	151	6.00	24.9 +- .0	20.4 +- .0
039	172	4.90	20.7 +- .6	16.9 +- .5
040	156	7.40	24.0 +- .2	19.6 +- .1

MAINE YANKEE
FOR THE PERIOD 820325-820712 110 DAYS

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
348.75-11.25 (N)	19.1 +- 0.0	1
11.25-33.75 (NNE)	21.5 +- .9	3
33.75-56.25 (NE)	20.7 +- .2	2
56.25-78.75 (ENE)	21.4 +- 0.0	1
78.75-101.25 (E)	15.5 +- .3	2
101.25-123.75(ESE	18.9 +- 2.8	3
123.75-146.25(SE)	19.8 +- 1.6	2
146.25-168.75(SSE)	19.9 +- .4	3
168.75-191.25(S)	18.5 +- 2.3	2
191.25-213.75(SSW)	19.9 +- .2	2
213.75-236.25(SW)	19.7 +- .8	2
236.25-258.75(WSW)	21.4 +- 3.0	3
258.75-281.25(W)	20.7 +- .6	2
281.25-303.75(WNW)	21.3 +- 1.4	2
303.75-326.25(NW)	19.9 +- .2	2
326.25-348.75(NNW)	21.0 +- 0.0	1

DISTANCE(mi) FROM THE REACTOR	AVER.EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
0-2	19.9 +- 1.5	13
2-5	19.7 +- 2.0	16
>5	21.3 +- 2.4	4
UPWIND CONTROL DATA	18.5 +- 1.4	3

MC GUIRE
FOR THE PERIOD 820317-820701 107 DAYS

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
348.75-11.25 (N)	18.2 +- .4	2
11.25-33.75 (NNE)	17.0 +- 1.0	2
33.75-56.25 (NE)	19.6 +- 4.8	3
56.25-78.75 (ENE)	19.4 +- 4.6	3
78.75-101.25 (E)	18.0 +- 2.4	4
101.25-123.75(ESE)	15.6 +- .1	2
123.75-146.25(SE)	15.9 +- .2	2
146.25-168.75(SSE)	14.7 +- 1.3	3
168.75-191.25(S)	17.2 +- .1	3
191.25-213.75(SSW)	17.1 +- 2.5	2
213.75-236.25(SW)	22.0 +- 2.6	3
236.25-258.75(WSW)	18.5 +- 2.3	3
258.75-281.25(W)	16.4 +- .6	2
281.25-303.75(WNW)	19.3 +- 1.8	3
303.75-326.25(NW)	18.8 +- 1.1	2
326.25-348.75(NNW)	19.2 +- 1.2	2

DISTANCE(mi) FROM THE REACTOR	AVER.EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
0-2	17.0 +- 1.8	11
2-5	17.8 +- 2.1	22
>5	20.3 +- 3.8	8
UPWIND CONTROL DATA	22.8 +- 0.0	1

MC GUIRE

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820317-820701 107 DAYS
FIELD TIME 820325-820623 91 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
044	37	13.0	28.6 +- .1	24.0 +- .1
045	78	18.6	29.4 +- 1.7	24.7 +- 1.5
046	94	18.7	24.7 +- .4	20.8 +- .3

MC GUIRE

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820317-820701 107 DAYS
FIELD TIME 820325-820623 91 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
022	239	9.50	22.3 +- .3	18.7 +- .2
023	115	4.90	18.6 +- .1	15.7 +- .1
024	132	4.90	18.7 +- .8	15.7 +- .7
025	156	4.00	16.5 +- .4	13.9 +- .4
026	175	3.70	20.7 +- 1.8	17.4 +- 1.5
027	198	4.30	22.4 +- .2	18.8 +- .2
028	169	12.6	20.5 +- 1.7	17.2 +- 1.4
029	155	12.5	19.2 +- .5	16.2 +- .4
030	146	13.5	19.1 +- .5	16.0 +- .4
032	155	1.30	16.7 +- .6	14.0 +- .5
033	178	1.60	20.4 +- 1.4	17.1 +- 1.2
034	108	2.00	18.4 +- .2	15.5 +- .2
035	93	2.20	19.5 +- .7	16.4 +- .6
036	68	2.50	20.3 +- .6	17.0 +- .5
037	82	4.70	18.5 +- .5	15.6 +- .4
038	64	4.90	19.6 +- .9	16.5 +- .8
039	42	5.00	24.1 +- .6	20.3 +- .5
040	26	4.30	19.4 +- .4	16.3 +- .3
041	42	2.00	17.3 +- .0	14.6 +- .0
042	21	1.60	21.1 +- .1	17.7 +- .1
043	8	2.60	22.0 +- .3	18.5 +- .3

MC GUIRE

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820317-820701 107 DAYS
FIELD TIME 820325-820623 91 DAYS

NRC STATION	LOCATION AZIMUTH (deg.)	DIST (mi.)	GROSS EXPOSURE (mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
050	-	-	14.6 +- .5	12.3 +- .4
050	CTL	TLD	13.7 +- .4	11.5 +- .3
001	97	0.50	22.6 +- .6	19.0 +- .5
002	323	1.60	21.4 +- .1	18.0 +- .1
003	336	1.70	23.8 +- .4	20.0 +- .4
004	303	2.90	22.0 +- .2	18.5 +- .2
005	321	3.90	23.2 +- .8	19.5 +- .7
006	334	3.70	21.8 +- .6	18.4 +- .5
007	352	3.50	21.3 +- 1.7	17.9 +- 1.4
008	287	2.00	21.4 +- 1.0	18.0 +- .8
009	273	1.90	20.0 +- 1.0	16.9 +- .8
010	244	1.70	19.2 +- 1.0	16.1 +- .9
011	225	2.10	23.4 +- 1.0	19.7 +- .8
012	212	3.60	18.2 +- .1	15.3 +- .1
013	232	4.40	25.5 +- .4	21.5 +- .4
014	253	3.70	24.7 +- .2	20.7 +- .1
015	261	4.20	19.0 +- .3	16.0 +- .3
016	288	4.30	25.4 +- .4	21.3 +- .3
017	288	16.9	27.1 +- .3	22.8 +- .2
020	233	17.5	29.4 +- .1	24.7 +- .1

MILLSTONE
FOR THE PERIOD 820324-820709 108 DAYS

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
348.75-11.25 (N)	15.9 +- .6	4
11.25-33.75 (NNE)	16.4 +- .4	3
33.75-56.25 (NE)	16.9 +- 2.6	6
56.25-78.75 (ENE)	15.8 +- .5	3
78.75-101.25 (E)	15.2 +- .4	4
101.25-123.75(ESE)	15.5 +- 0.0	1
123.75-146.25(SE)	0.0 +- 0.0	0
146.25-168.75(SSE)	0.0 +- 0.0	0
168.75-191.25(S)	0.0 +- 0.0	0
191.25-213.75(SSW)	0.0 +- 0.0	0
213.75-236.25(SW)	0.0 +- 0.0	0
236.25-258.75(WSW)	16.5 +- .9	2
258.75-281.25(W)	16.1 +- 2.3	3
281.25-303.75(WNW)	17.1 +- 2.4	2
303.75-326.25(NW)	14.2 +- 1.6	2
326.25-348.75(NNW)	17.3 +- 1.2	2

DISTANCE(mi) FROM THE REACTOR	AVER.EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
0-2	15.6 +- 1.2	10
2-5	16.5 +- 1.2	12
>5	16.3 +- 2.2	10
UPWIND CONTROL DATA	13.5 +- .6	2

MILLSTONE

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820324-820709 108 DAYS
FIELD TIME 820402-820702 92 DAYS

NRC STATION	LOCATION AZIMUTH (deg.)	DIST (mi.)	GROSS EXPOSURE (mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
029	272	3.70	21.8 +- .8	18.1 +- .7
030	295	3.50	22.5 +- 1.0	18.8 +- .8
031	317	3.60	18.4 +- .3	15.3 +- .2
032	327	4.30	21.8 +- .8	18.2 +- .7
033	41	4.70	19.4 +- .4	16.1 +- .3
034	54	5.50	19.7 +- .2	16.4 +- .2
037	354	6.80	19.5 +- .0	16.3 +- .0
039	1	5.70	18.3 +- .0	15.2 +- .0
040	278	8.70	16.3 +- .1	13.6 +- .1
041	34	11.5	26.2 +- .4	21.9 +- .3
042	84	8.00	18.3 +- .4	15.3 +- .3
046	41	0.60	17.2 +- .2	14.3 +- .1
048	4	40.0	23.9 +- 1.3	20.0 +- 1.1
049	4	40.0	22.9 +- .0	19.1 +- .0
050	CTL	TLD	6.5 +- .1	5.4 +- .1

MILLSTONE

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820324-820709 108 DAYS
FIELD TIME 820402-820702 92 DAYS

NRC STATION	LOCATION AZIMUTH (deg.)	DIST (mi.)	GROSS EXPOSURE (mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
001	0	1.00	19.8 +- .2	16.5 +- .1
002	24	1.30	20.1 +- .6	16.8 +- .5
003	47	1.50	19.9 +- .4	16.6 +- .4
004	60	1.70	18.2 +- .2	15.1 +- .2
005	85	1.30	18.9 +- .1	15.8 +- .1
006	110	1.80	18.6 +- .6	15.5 +- .5
007	67	5.30	19.0 +- .2	15.8 +- .2
008	49	5.30	19.3 +- .2	16.1 +- .2
009	84	5.20	17.9 +- .4	14.9 +- .3
012	256	2.40	19.1 +- .1	15.9 +- .1
013	274	2.20	19.9 +- .0	16.6 +- .0
014	295	1.90	18.5 +- .3	15.4 +- .2
015	315	1.50	15.7 +- .6	13.1 +- .5
016	339	1.20	19.8 +- .1	16.5 +- .0
017	353	3.50	18.8 +- .5	15.6 +- .4
018	24	3.50	19.3 +- 1.0	16.1 +- .9
019	33	3.00	19.6 +- .2	16.3 +- .2
020	82	4.00	17.9 +- .2	14.9 +- .1
022	59	3.70	19.7 +- .2	16.4 +- .2
028	257	5.80	20.6 +- .6	17.1 +- .5

MONTICELLO
FOR THE PERIOD 820324-820712 111 DAYS

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
348.75-11.25 (N)	19.2 +- .8	2
11.25-33.75 (NNE)	19.9 +- 0.0	1
33.75-56.25 (NE)	19.1 +- .7	2
56.25-78.75 (ENE)	18.4 +- .0	2
78.75-101.25 (E)	19.2 +- .0	2
101.25-123.75(ESE)	18.8 +- .5	2
123.75-146.25(SE)	19.4 +- .7	2
146.25-168.75(SSE)	18.4 +- .5	2
168.75-191.25(S)	19.1 +- .1	2
191.25-213.75(SSW)	18.9 +- .3	2
213.75-236.25(SW)	18.6 +- 1.4	2
236.25-258.75(WSW)	18.9 +- 1.8	2
258.75-281.25(W)	19.2 +- .2	2
281.25-303.75(WNW)	19.2 +- .5	2
303.75-326.25(NW)	19.5 +- .8	2
326.25-348.75(NNW)	19.4 +- .4	2

DISTANCE(mi) FROM THE REACTOR	AVER.EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
0-2	18.8 +- .7	16
2-5	19.3 +- .5	15
>5	19.3 +- .5	0
UPWIND CONTROL DATA	19.0 +- .9	3

MONTICELLO

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820324-820712 111 DAYS
FIELD TIME 820407-820707 92 DAYS

NRC STATION	LOCATION AZIMUTH (deg.)	DIST (mi.)	GROSS EXPOSURE (mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
021	23	0.80	24.6 +- 1.0	19.9 +- .8
022	354	0.70	23.0 +- .5	18.6 +- .4
023	338	0.80	24.3 +- .5	19.7 +- .4
024	307	1.80	24.7 +- .2	20.0 +- .2
025	339	4.10	23.5 +- 1.6	19.1 +- 1.3
026	320	4.60	23.4 +- .0	18.9 +- .0
027	354	4.50	24.4 +- .3	19.8 +- .3
029	50	4.00	24.1 +- .3	19.6 +- .2
030	77	3.60	22.7 +- 1.2	18.4 +- 1.0
031	115	3.30	24.0 +- .0	19.4 +- .0
032	90	4.60	23.6 +- .0	19.2 +- .0
033	323	15.8	22.4 +- .6	18.2 +- .5
034	323	15.8	23.4 +- .5	19.0 +- .4
035	323	15.9	24.6 +- .1	19.9 +- .1
050	CTL	TLD	12.7 +- .1	10.3 +- .1

MONTICELLO

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820324-820712 111 DAYS
FIELD TIME 820407-820707 92 DAYS

NRC STATION	LOCATION AZIMUTH (deg.)	LOCATION DIST (mi.)	GROSS EXPOSURE (mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
001	133	3.60	24.5 +- .3	19.9 +- .2
002	163	4.60	23.1 +- .5	18.7 +- .4
003	183	4.10	23.7 +- .9	19.2 +- .7
004	206	4.30	23.6 +- .5	19.1 +- .4
005	230	4.20	24.2 +- .1	19.6 +- .1
006	253	4.60	24.9 +- .9	20.2 +- .7
007	269	4.40	23.5 +- .2	19.0 +- .2
008	286	4.00	24.1 +- .2	19.5 +- .2
009	274	1.90	23.8 +- .1	19.3 +- .1
010	244	1.30	21.8 +- .0	17.7 +- .0
011	226	0.90	21.8 +- .5	17.6 +- .4
012	181	1.80	23.5 +- .4	19.1 +- .3
013	137	1.70	23.3 +- .6	18.9 +- .5
014	155	1.00	22.3 +- .3	18.1 +- .2
015	208	0.50	23.0 +- 1.3	18.6 +- 1.1
016	284	2.00	23.2 +- .5	18.8 +- .4
017	113	1.60	22.5 +- .5	18.2 +- .4
018	85	1.10	23.7 +- .1	19.2 +- .1
019	63	1.20	22.6 +- .5	18.4 +- .4
020	37	1.70	22.9 +- .8	18.5 +- .6

NORTH ANNA

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820324-820712 111 DAYS
FIELD TIME 820408-820708 92 DAYS

NRC STATION	LOCATION AZIMUTH (deg.)	DIST (mi.)	GROSS EXPOSURE(mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
050	CTL	TLD	11.9 +- .7	9.7 +- .5
001	243	1.80	27.7 +- 1.1	22.4 +- .9
002	263	1.60	24.0 +- .5	19.5 +- .4
003	296	1.00	23.2 +- .4	18.8 +- .3
004	311	1.30	28.1 +- .5	22.8 +- .4
006	231	3.90	26.8 +- 1.2	21.7 +- .9
007	224	1.70	25.7 +- .4	20.8 +- .3
008	210	1.60	24.5 +- .9	19.9 +- .7
009	181	1.40	22.4 +- .3	18.1 +- .3
010	155	1.00	28.8 +- .6	23.4 +- .5
012	163	3.50	23.1 +- .3	18.7 +- .3
013	190	3.30	21.9 +- .8	17.7 +- .7
014	205	4.90	22.8 +- 1.5	18.5 +- 1.2
016	113	4.90	28.7 +- .1	23.3 +- .0
017	93	3.30	21.1 +- .1	17.1 +- .1
018	64	4.10	22.6 +- .7	18.3 +- .6
019	78	2.70	33.0 +- 1.1	26.7 +- .9
020	97	1.90	24.2 +- .5	19.7 +- .4
021	105	1.70	20.4 +- .8	16.6 +- .6
022	60	2.40	21.7 +- .4	17.6 +- .4

NORTH ANNA

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820324-820712 111 DAYS
FIELD TIME 820408-820708 92 DAYS

NRC STATION	LOCATION AZIMUTH (deg.)	DIST (mi.)	GROSS EXPOSURE (mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
023	37	1.40	22.6 +- .8	18.3 +- .7
024	16	1.60	27.9 +- .8	22.6 +- .6
025	48	3.50	20.7 +- .5	16.7 +- .4
026	17	3.70	23.9 +- .5	19.4 +- .4
027	3	4.80	22.1 +- .2	17.9 +- .2
028	348	4.00	23.4 +- .9	19.0 +- .7
029	2	1.90	21.0 +- .4	17.0 +- .3
030	284	5.00	22.7 +- 1.5	18.4 +- 1.2
031	310	4.70	25.2 +- .2	20.4 +- .2
034	242	7.10	27.5 +- .3	22.3 +- .2
035	255	11.4	22.3 +- .1	18.0 +- .1

NORTH ANNA
FOR THE PERIOD 820324-820712 111 DAYS

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
348.75-11.25 (N)	17.5 +- .7	2
11.25-33.75 (NNE)	21.0 +- 2.3	2
33.75-56.25 (NE)	17.5 +- 1.1	2
56.25-78.75 (ENE)	20.9 +- 5.1	3
78.75-101.25 (E)	18.4 +- 1.8	2
101.25-123.75(ESE)	19.9 +- 4.8	2
123.75-146.25(SE)	0.0 +- 0.0	0
146.25-168.75(SSE)	21.0 +- 3.3	2
168.75-191.25(S)	17.9 +- .3	2
191.25-213.75(SSW)	19.2 +- 1.0	2
213.75-236.25(SW)	21.3 +- .6	2
236.25-258.75(WSW)	20.9 +- 2.5	3
258.75-281.25(W)	19.5 +- 0.0	1
281.25-303.75(WNW)	18.6 +- .3	2
303.75-326.25(NW)	21.6 +- 1.7	2
326.25-348.75(NNW)	19.0 +- 0.0	1

DISTANCE(mi) FROM THE REACTOR	AVER.EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
0-2	20.0 +- 2.3	13
2-5	19.4 +- 2.7	15
>5	20.2 +- 3.0	2
UPWIND CONTROL DATA	NO DATA	NO DATA

OCONEE

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820325-820714 112 DAYS
FIELD TIME 820406-820708 94 DAYS

NRC STATION	LOCATION AZIMUTH (deg.)	DIST (mi.)	GROSS EXPOSURE(mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
050	CTL	TLD	13.3 +- .1	10.7 +- .1
001	158	7.50	31.0 +- 1.2	24.9 +- 1.0
002	133	4.90	34.6 +- .4	27.8 +- .3
003	119	4.30	31.2 +- .5	25.0 +- .4
004	84	4.70	33.8 +- .6	27.1 +- .5
005	65	4.00	33.8 +- .6	27.2 +- .5
006	52	1.80	35.2 +- 1.0	28.3 +- .8
007	22	3.50	32.6 +- .4	26.2 +- .3
008	33	1.40	32.6 +- .9	26.2 +- .7
009	52	1.80	26.5 +- 1.1	21.3 +- .9
010	66	1.20	21.4 +- .0	17.2 +- .0
011	107	1.90	26.4 +- .3	21.2 +- .3
012	87	1.00	31.2 +- .2	25.1 +- .1
013	142	0.70	25.5 +- .4	20.5 +- .4
014	166	0.70	27.2 +- .4	21.9 +- .3
015	226	1.70	32.8 +- .9	26.3 +- .7
016	207	1.40	29.0 +- .0	23.3 +- .0
017	182	2.20	21.6 +- .1	17.4 +- .1
018	186	3.80	26.7 +- 1.8	21.5 +- 1.4
020	203	8.40	27.5 +- .4	22.1 +- .3

OCONEE

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820325-820714 112 DAYS
FIELD TIME 820406-820708 94 DAYS

NRC STATION	LOCATION AZIMUTH (deg.)	LOCATION DIST (mi.)	GROSS EXPOSURE (mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
021	210	4.60	29.5 +- .9	23.7 +- .7
023	240	3.60	28.7 +- .5	23.0 +- .4
024	268	3.60	34.7 +- .3	27.9 +- .3
025	257	1.90	26.1 +- .2	21.0 +- .2
026	293	3.60	29.7 +- .6	23.9 +- .5
027	311	3.50	24.8 +- 1.0	19.9 +- .8
028	288	2.00	26.2 +- .7	21.1 +- .6
029	275	1.80	25.8 +- .7	20.8 +- .5
030	321	1.80	27.6 +- .8	22.2 +- .6
031	344	2.00	25.6 +- .2	20.6 +- .2
032	336	3.70	35.5 +- .7	28.5 +- .5
033	358	4.50	31.3 +- 1.3	25.1 +- 1.0
035	149	21.2	25.5 +- .3	20.5 +- .2
038	32	15.7	37.3 +- .0	30.0 +- .0
039	31	15.6	35.2 +- 1.0	28.3 +- .8

OCONEE
FOR THE PERIOD 820325-820714 112 DAYS

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
348.75-11.25 (N)	25.1 +- 0.0	1
11.25-33.75 (NNE)	26.2 +- .0	2
33.75-56.25 (NE)	24.8 +- 5.0	2
56.25-78.75 (ENE)	22.2 +- 7.1	2
78.75-101.25 (E)	26.1 +- 1.4	2
101.25-123.75(ESE)	23.1 +- 2.7	2
123.75-146.25(SE)	24.2 +- 5.2	2
146.25-168.75(SSE)	22.4 +- 2.2	3
168.75-191.25(S)	19.4 +- 2.9	2
191.25-213.75(SSW)	23.0 +- .8	3
213.75-236.25(SW)	26.3 +- 0.0	1
236.25-258.75(WSW)	22.0 +- 1.4	2
258.75-281.25(W)	24.3 +- 5.0	2
281.25-303.75(WNW)	22.5 +- 2.0	2
303.75-326.25(NW)	21.1 +- 1.6	2
326.25-348.75(NNW)	24.5 +- 5.6	2

DISTANCE(mi) FROM THE REACTOR	AVER.EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
0-2	22.5 +- 2.9	15
2-5	24.6 +- 3.3	14
>5	22.5 +- 2.2	3
UPWIND CONTROL DATA	29.1 +- 1.2	2

OYSTER CREEK

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820322-820707 108 DAYS
FIELD TIME 820330-820630 93 DAYS

NRC STATION	LOCATION AZIMUTH (deg.)	DIST (mi.)	GROSS EXPOSURE(mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
050	CTL	TLD	12.7 +- .8	10.6 +- .6
001	141	0.50	13.5 +- .1	11.3 +- .1
002	120	0.90	17.9 +- .0	14.9 +- .0
003	105	1.50	12.9 +- .7	10.8 +- .6
004	127	1.50	17.4 +- .4	14.5 +- .3
006	158	1.20	14.5 +- .3	12.1 +- .2
007	176	2.20	16.7 +- .8	14.0 +- .7
008	179	1.60	16.6 +- .1	13.9 +- .1
009	159	2.80	14.8 +- .1	12.3 +- .1
010	187	8.40	17.8 +- .1	14.8 +- .1
011	173	4.40	17.9 +- .8	14.9 +- .7
012	196	4.20	18.0 +- .4	15.0 +- .3
013	198	8.60	12.6 +- .2	10.5 +- .2
014	185	10.1	15.6 +- .1	13.0 +- .1
015	171	10.8	16.1 +- .3	13.5 +- .2
016	154	8.20	15.9 +- .2	13.3 +- .1
017	126	6.30	16.8 +- .3	14.0 +- .3
018	220	4.60	15.9 +- .5	13.2 +- .4
019	231	5.30	17.1 +- .7	14.2 +- .6
020	211	1.60	15.2 +- .4	12.6 +- .4

OYSTER CREEK

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820322-820707 108 DAYS
FIELD TIME 820330-820630 93 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
022	258	1.50	16.4 +- .4	13.6 +- .3
023	271	1.20	17.5 +- .7	14.6 +- .6
024	297	1.30	17.4 +- .5	14.5 +- .4
025	318	1.50	17.1 +- .4	14.3 +- .3
026	341	3.20	17.7 +- .2	14.7 +- .2
027	330	4.60	18.4 +- .1	15.4 +- .1
028	358	3.20	17.7 +- .6	14.8 +- .5
029	4	1.80	17.7 +- .0	14.7 +- .0
030	19	0.80	10.4 +- .4	8.7 +- .3
031	69	1.40	17.3 +- .1	14.4 +- .1
032	78	2.50	16.3 +- 1.0	13.5 +- .8
033	85	2.20	10.3 +- .1	8.6 +- .0
035	24	1.90	19.0 +- .2	15.8 +- .2
036	50	3.00	17.0 +- .6	14.2 +- .5
037	46	4.80	16.2 +- .2	13.5 +- .2
038	27	4.00	18.2 +- .2	15.2 +- .2
039	12	8.90	11.8 +- .4	9.8 +- .3
040	10	8.70	16.0 +- .5	13.3 +- .4
041	3	9.90	17.8 +- .2	14.9 +- .2
043	46	9.10	19.6 +- .4	16.3 +- .4
044	73	6.50	15.9 +- 1.3	13.2 +- 1.1

OYSTER CREEK

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820322-820707 108 DAYS
FIELD TIME 820330-820630 93 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
045	79	6.00	17.6 +- .5	14.7 +- .5
046	278	20.5	19.1 +- .3	15.9 +- .3
047	278	20.5	18.2 +- .1	15.1 +- .1

OYSTER CREEK
FOR THE PERIOD 820322-820707 108 DAYS

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
348.75-11.25 (N)	14.4 +- .7	4
11.25-33.75 (NNE)	12.4 +- 3.6	4
33.75-56.25 (NE)	14.7 +- 1.4	3
56.25-78.75 (ENE)	13.7 +- .6	3
78.75-101.25 (E)	11.6 +- 4.3	2
101.25-123.75(ESE)	12.9 +- 3.0	2
123.75-146.25(SE)	13.3 +- 1.7	3
146.25-168.75(SSE)	12.6 +- .6	3
168.75-191.25(S)	14.0 +- .8	6
191.25-213.75(SSW)	12.7 +- 2.2	3
213.75-236.25(SW)	13.7 +- .7	2
236.25-258.75(WSW)	13.6 +- 0.0	1
258.75-281.25(W)	14.6 +- 0.0	1
281.25-303.75(WNW)	14.5 +- 0.0	1
303.75-326.25(NW)	14.3 +- 0.0	1
326.25-348.75(NNW)	15.0 +- .4	2

DISTANCE(mi) FROM THE REACTOR	AVER.EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
0-2	13.4 +- 1.9	15
2-5	13.8 +- 1.8	13
>5	13.5 +- 1.7	13
UPWIND CONTROL DATA	15.5 +- .6	2

PALISADES

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820323-820726 126 DAYS
FIELD TIME 820325-820714 112 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
002	173	4.60	23.3 +- .5	16.6 +- .4
003	156	3.90	22.7 +- .4	16.2 +- .3
004	132	4.60	21.0 +- .5	15.0 +- .4
005	118	3.30	24.4 +- .3	17.4 +- .2
006	152	1.80	22.3 +- .4	15.9 +- .3
007	196	2.20	22.4 +- .2	16.0 +- .1
008	178	1.60	22.2 +- .5	15.9 +- .3
009	200	0.90	22.7 +- .6	16.2 +- .5
010	124	1.80	24.4 +- .4	17.4 +- .3
011	107	1.60	21.5 +- .5	15.4 +- .3
012	90	1.50	21.0 +- .5	15.0 +- .3
013	65	1.70	24.2 +- 1.6	17.3 +- 1.1
014	51	1.90	21.6 +- 1.2	15.4 +- .8
015	74	3.70	22.7 +- .4	16.2 +- .3
016	90	3.60	21.8 +- .6	15.6 +- .4
017	98	10.2	23.7 +- 1.5	16.9 +- 1.1
018	47	4.50	24.7 +- 1.0	17.6 +- .7
019	23	1.50	23.1 +- .2	16.5 +- .2
020	32	4.80	24.9 +- .8	17.8 +- .6

PALISADES

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820323-820726 126 DAYS
FIELD TIME 820325-820714 112 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
021	29	7.00	24.8 +- .4	17.7 +- .3
022	99	15.2	25.4 +- .0	18.1 +- .0
023	98	18.3	23.3 +- .3	16.7 +- .2
024	98	18.3	24.3 +- .3	17.3 +- .2

PALISADES
FOR THE PERIOD 820323-820726 126 DAYS

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
348.75-11.25 (N)	0.0 +- 0.0	0
11.25-33.75 (NNE)	17.3 +- .7	3
33.75-56.25 (NE)	16.5 +- 1.6	2
56.25-78.75 (ENE)	16.8 +- .8	2
78.75-101.25 (E)	15.8 +- 1.0	3
101.25-123.75(ESE)	16.4 +- 1.5	2
123.75-146.25(SE)	16.2 +- 1.7	2
146.25-168.75(SSE)	16.1 +- .2	2
168.75-191.25(S)	16.3 +- .5	2
191.25-213.75(SSW)	16.1 +- .1	2
213.75-236.25(SW)	0.0 +- 0.0	0
236.25-258.75(WSW)	0.0 +- 0.0	0
258.75-281.25(W)	0.0 +- 0.0	0
281.25-303.75(WNW)	0.0 +- 0.0	0
303.75-326.25(NW)	0.0 +- 0.0	0
326.25-348.75(NNW)	0.0 +- 0.0	0

DISTANCE(mi) FROM THE REACTOR	AVER.EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
0-2	16.1 +- .8	9
2-5	16.5 +- .9	9
>5	17.3 +- .6	2
UPWIND CONTROL DATA	17.4 +- .7	3

PALO VERDE

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820331-820707 99 DAYS
FIELD TIME 820409-820701 84 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
001	74	23.0	23.1 +- .2	21.0 +- .2
002	92	20.8	28.6 +- 1.2	26.0 +- 1.1
003	89	15.1	24.5 +- .3	22.2 +- .2
004	103	10.7	26.4 +- .4	24.0 +- .3
005	140	7.40	25.3 +- 1.4	23.0 +- 1.3
006	142	3.10	23.0 +- .1	20.9 +- .1
007	162	2.60	22.1 +- 1.1	20.1 +- 1.0
008	168	2.60	24.3 +- .8	22.1 +- .7
009	193	2.60	27.1 +- 1.7	24.6 +- 1.6
010	215	3.10	24.3 +- .1	22.1 +- .1
011	200	1.70	22.8 +- .3	20.7 +- .2
012	214	1.00	23.5 +- .8	21.4 +- .7
013	242	0.70	24.8 +- 1.0	22.6 +- 1.0
014	263	0.60	23.0 +- .8	20.9 +- .7
015	295	0.60	24.7 +- 1.1	22.4 +- 1.0
016	325	1.00	22.6 +- .4	20.5 +- .3
017	347	1.80	23.8 +- .2	21.6 +- .2
018	0	2.40	24.1 +- 1.1	21.9 +- 1.0
019	18	1.50	22.2 +- 1.3	20.1 +- 1.2
020	37	2.00	22.4 +- .0	20.4 +- .0

PALO VERDE

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820331-820707 99 DAYS
FIELD TIME 820409-820701 84 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
021	58	2.30	23.5 +- .2	21.4 +- .1
022	75	2.80	24.9 +- .3	22.6 +- .2
023	93	4.40	24.1 +- .7	21.9 +- .6
024	101	3.30	23.0 +- .2	20.9 +- .2
025	346	2.90	23.0 +- .2	20.9 +- .2
026	334	4.30	25.8 +- .9	23.4 +- .8
027	333	7.90	24.6 +- .2	22.3 +- .2
028	0	7.00	23.9 +- .1	21.7 +- .1
030	27	3.60	23.8 +- .3	21.7 +- .3
031	49	3.50	26.9 +- .3	24.4 +- .3
032	120	3.25	25.8 +- .1	23.5 +- .1

PALO VERDE
FOR THE PERIOD 820331-820707 99 DAYS

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
348.75-11.25 (N)	21.8 +- .1	2
11.25-33.75 (NNE)	20.9 +- 1.1	2
33.75-56.25 (NE)	22.4 +- 2.9	2
56.25-78.75 (ENE)	21.7 +- .8	3
78.75-101.25 (E)	22.8 +- 2.2	4
101.25-123.75(ESE)	23.8 +- .4	2
123.75-146.25(SE)	21.9 +- 1.5	2
146.25-168.75(SSE)	21.1 +- 1.4	2
168.75-191.25(S)	0.0 +- 0.0	0
191.25-213.75(SSW)	22.7 +- 2.7	2
213.75-236.25(SW)	21.7 +- .5	2
236.25-258.75(WSW)	22.6 +- 0.0	1
258.75-281.25(W)	20.9 +- 0.0	1
281.25-303.75(WNW)	22.4 +- 0.0	1
303.75-326.25(NW)	20.5 +- 0.0	1
326.25-348.75(NNW)	22.1 +- 1.1	4

DISTANCE(mi) FROM THE REACTOR	AVER.EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
0-2	21.2 +- .9	9
2-5	22.2 +- 1.3	15
>5	22.9 +- 1.6	7
UPWIND CONTROL DATA	NO DATA	NO DATA

PEACH BOTTOM

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820322-820709 110 DAYS
FIELD TIME 820329-820702 96 DAYS

NRC STATION	LOCATION AZIMUTH (deg.)	DIST (mi.)	GROSS EXPOSURE(mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
050	CTL	TLD	12.6 +- .8	10.3 +- .7
001	329	10.3	16.5 +- .4	13.5 +- .3
002	31	10.4	23.7 +- .3	19.4 +- .3
003	22	4.70	24.2 +- 1.7	19.8 +- 1.4
004	4	5.00	22.9 +- 1.0	18.8 +- .8
005	345	4.10	24.0 +- .3	19.6 +- .2
006	9	2.20	24.9 +- 1.1	20.3 +- .9
007	22	2.50	25.4 +- .2	20.8 +- .1
008	55	2.90	25.4 +- .1	20.8 +- .0
010	63	1.70	22.8 +- 1.5	18.7 +- 1.2
011	97	2.00	25.4 +- 1.3	20.8 +- 1.0
012	107	2.30	19.3 +- .4	15.8 +- .3
013	72	5.00	23.3 +- .3	19.0 +- .3
014	86	4.60	24.0 +- .1	19.6 +- .0
015	110	4.30	26.1 +- .4	21.4 +- .3
016	130	4.70	20.1 +- .4	16.4 +- .4
017	158	9.00	19.6 +- .7	16.0 +- .6
018	163	4.60	23.5 +- 1.3	19.2 +- 1.1
020	203	4.90	23.2 +- 1.2	19.0 +- .9
021	197	2.30	25.9 +- .3	21.2 +- .2

PEACH BOTTOM

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820322-820709 110 DAYS
FIELD TIME 820329-820702 96 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
022	183	1.70	24.6 +- .2	20.1 +- .2
023	190	1.80	27.3 +- .0	22.4 +- .0
024	222	1.80	25.5 +- 1.8	20.9 +- 1.5
025	248	1.70	23.0 +- 1.5	18.8 +- 1.3
026	268	1.80	26.3 +- .1	21.5 +- .1
027	288	1.90	22.3 +- 1.7	18.2 +- 1.4
028	323	1.80	23.1 +- .8	18.9 +- .6
029	286	3.60	27.7 +- .7	22.7 +- .6
030	264	4.00	23.7 +- .4	19.4 +- .3
031	262	9.90	27.5 +- .9	22.5 +- .7
032	248	3.20	25.8 +- .5	21.1 +- .4
033	235	9.40	17.8 +- .4	14.6 +- .3
034	319	4.90	26.8 +- .4	21.9 +- .3
037	148	16.5	21.6 +- .5	17.7 +- .4
038	148	16.5	19.9 +- .2	16.3 +- .2

PEACH BOTTOM
FOR THE PERIOD 820322-820709 110 DAYS

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
348.75-11.25 (N)	19.5 +- 1.1	2
11.25-33.75 (NNE)	20.0 +- .7	3
33.75-56.25 (NE)	20.8 +- 0.0	1
56.25-78.75 (ENE)	18.8 +- .3	2
78.75-101.25 (E)	20.2 +- .8	2
101.25-123.75(ESE)	18.6 +- 3.9	2
123..5-146.25(SE)	16.4 +- 0.0	1
146.25-168.75(SSE)	17.6 +- 2.3	2
168.75-191.25(S)	21.2 +- 1.6	2
191.25-213.75(SSW)	20.1 +- 1.6	2
213.75-236.25(SW)	17.7 +- 4.5	2
236.25-258.75(WSW)	20.0 +- 1.6	2
258.75-281.25(W)	21.1 +- 1.6	3
281.25-303.75(WNW)	20.5 +- 3.2	2
303.75-326.25(NW)	20.4 +- 2.2	2
326.25-348.75(NNW)	16.5 +- 4.4	2

DISTANCE(mi) FROM THE REACTOR	AVER.EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
0-2	20.0 +- 1.5	9
2-5	19.8 +- 1.7	18
>5	17.2 +- 3.7	5
UPWIND CONTROL DATA	17.0 +- 1.0	2

PILGRIM

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820325-820712 110 DAYS
FIELD TIME 820406-820707 93 DAYS

NRC STATION	LOCATION AZIMUTH (deg.)	DIST (mi.)	GROSS EXPOSURE (mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
001	288	0.10	51.9 +- .5	42.5 +- .4
002	310	0.20	22.0 +- .1	18.0 +- .1
005	289	0.70	22.5 +- .6	18.4 +- .5
006	261	1.70	21.0 +- .1	17.1 +- .1
007	270	0.50	29.0 +- .3	23.8 +- .2
008	247	0.30	22.4 +- .0	18.3 +- .0
009	224	0.30	21.0 +- .6	17.2 +- .5
010	205	0.30	25.7 +- .4	21.0 +- .3
011	184	0.03	30.7 +- .9	25.1 +- .7
012	159	0.40	28.1 +- .2	23.0 +- .2
013	146	0.70	18.6 +- .3	15.2 +- .2
014	155	1.00	26.1 +- .0	21.4 +- .0
016	136	1.30	20.0 +- .4	16.4 +- .3
018	212	0.80	20.6 +- .2	16.9 +- .1
019	232	1.00	17.5 +- 1.1	14.4 +- .9
021	256	1.60	19.9 +- .3	16.3 +- .2
022	130	2.50	18.4 +- .2	15.1 +- .2
023	146	3.40	21.2 +- .1	17.3 +- .1
025	168	1.50	19.1 +- .1	15.6 +- .0

PILGRIM

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820325-820712 110 DAYS
FIELD TIME 820406-820707 93 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
026	180	1.30	18.2 +- .5	14.9 +- .4
027	231	1.80	19.4 +- .3	15.9 +- .3
031	179	2.50	18.7 +- .2	15.3 +- .2
032	217	2.60	24.5 +- .1	20.0 +- .1
033	231	2.50	18.9 +- .6	15.5 +- .5
037	264	4.20	21.3 +- .5	17.4 +- .4
038	152	3.50	19.1 +- .5	15.6 +- .4
039	155	5.30	17.0 +- .1	13.9 +- .1
040	272	4.60	19.8 +- .3	16.2 +- .3
042	281	4.60	18.4 +- .4	15.1 +- .3
043	291	5.80	22.7 +- .2	18.6 +- .2
047	301	26.2	20.3 +- .1	16.6 +- .1
048	301	26.2	20.9 +- .5	17.1 +- .4
049	301	26.2	21.3 +- .4	17.4 +- .3

COMMENTS:

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

PILGRIM
FOR THE PERIOD 820325-820712 110 DAYS

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
348.75-11.25 (N)	0.0 +- 0.0	0
11.25-33.75 (NNE)	0.0 +- 0.0	0
33.75-56.25 (NE)	0.0 +- 0.0	0
56.25-78.75 (ENE)	0.0 +- 0.0	0
78.75-101.25 (E)	0.0 +- 0.0	0
101.25-123.75(ESE)	0.0 +- 0.0	0
123.75-146.25(SE)	16.0 +- 1.1	4
146.25-168.75(SSE)	17.9 +- 4.0	5
168.75-191.25(S)	18.4 +- 5.8	3
191.25-213.75(SSW)	18.9 +- 2.9	2
213.75-236.25(SW)	16.6 +- 2.2	5
236.25-258.75(WSW)	17.3 +- 1.4	2
258.75-281.25(W)	17.9 +- 3.4	5
281.25-303.75(WNW)	26.5 +- 13.8	3
303.75-326.25(NW)	18.0 +- 0.0	1
326.25-348.75(NNW)	0.0 +- 0.0	0

DISTANCE(mi) FROM THE REACTOR	AVER.EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
0-2	19.5 +- 8.4	19
2-5	16.4 +- 1.6	9
>5	16.3 +- 3.3	2
UPWIND CONTROL DATA	17.0 +- .4	3

PRAIRIE ISLAND

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820325-820712 110 DAYS
FIELD TIME 820409-820709 92 DAYS

NRC STATION	LOCATION AZIMUTH (deg.)	DIST (mi.)	GROSS EXPOSURE(mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
001	312	17.3	25.5 +- .3	20.9 +- .2
002	310	15.2	26.5 +- .0	21.7 +- .0
003	310	15.2	25.7 +- .1	21.0 +- .1
004	308	5.50	24.9 +- 1.5	20.4 +- 1.2
005	297	4.10	23.6 +- .4	19.3 +- .3
006	287	1.30	23.5 +- .8	19.2 +- .7
007	313	0.80	20.8 +- .3	17.0 +- .3
008	244	0.50	23.5 +- .3	19.2 +- .2
009	194	0.60	23.1 +- .7	18.9 +- .6
010	155	0.50	25.5 +- 1.3	20.9 +- 1.1
011	129	1.60	21.9 +- .7	17.9 +- .6
012	153	1.40	22.1 +- .7	18.1 +- .5
013	217	0.60	23.4 +- .6	19.1 +- .5
014	178	0.80	23.1 +- .7	18.9 +- .5
015	272	1.90	23.5 +- .0	19.2 +- .0
017	250	4.30	24.1 +- 1.2	19.7 +- 1.0
018	225	4.10	22.6 +- .1	18.5 +- .1
019	233	6.70	23.7 +- .1	19.4 +- .1
020	200	4.90	25.1 +- .2	20.5 +- .2
021	187	4.70	25.1 +- .3	20.5 +- .2

PRAIRIE ISLAND

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820325-820712 110 DAYS
FIELD TIME 820409-820709 92 DAYS

NRC STATION	LOCATION AZIMUTH (deg.)	DIST (mi.)	GROSS EXPOSURE (mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
022	160	4.40	24.3 +- .5	19.9 +- .4
023	140	4.70	24.1 +- .2	19.7 +- .2
024	131	6.60	22.9 +- .4	18.7 +- .4
025	117	4.90	22.7 +- .1	18.6 +- .1
026	88	1.90	24.1 +- .7	19.7 +- .6
028	47	1.60	25.6 +- .1	20.9 +- .1
029	19	1.50	21.5 +- 1.1	17.6 +- .9
030	356	1.90	24.0 +- 1.2	19.6 +- 1.0
031	346	2.40	26.5 +- 2.0	21.7 +- 1.6
032	340	3.80	24.6 +- .3	20.1 +- .3
033	8	4.60	26.7 +- .8	21.8 +- .7
034	17	4.70	27.5 +- 1.0	22.5 +- .8
035	45	10.5	24.7 +- .0	20.2 +- .0
036	48	4.70	25.3 +- 1.0	20.7 +- .8
037	61	4.20	24.9 +- .2	20.4 +- .2
038	86	4.90	25.4 +- 1.2	20.8 +- 1.0
039	107	9.10	24.7 +- .4	20.2 +- .3
040	111	3.70	23.3 +- .0	19.1 +- .0
050	CTL	TLD	13.2 +- .0	10.8 +- .0

PRAIRIE ISLAND
FOR THE PERIOD 820325-820712 110 DAYS

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
348.75-11.25 (N)	20.7 +- 1.5	2
11.25-33.75 (NNE)	20.0 +- 3.5	2
33.75-56.25 (NE)	20.6 +- .4	3
56.25-78.75 (ENE)	20.4 +- 0.0	1
78.75-101.25 (E)	20.2 +- .8	2
101.25-123.75(ESE)	19.3 +- .8	3
123.75-146.25(SE)	18.8 +- .9	3
146.25-168.75(SSE)	19.6 +- 1.4	3
168.75-191.25(S)	19.7 +- 1.1	2
191.25-213.75(SSW)	19.7 +- 1.1	2
213.75-236.25(SW)	19.0 +- .5	3
236.25-258.75(WSW)	19.4 +- .3	2
258.75-281.25(W)	19.2 +- 0.0	1
281.25-303.75(WNW)	19.3 +- .1	2
303.75-326.25(NW)	18.7 +- 2.4	2
326.25-348.75(NNW)	20.9 +- 1.1	2

DISTANCE(mi) FROM THE REACTOR	AVER.EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
0-2	19.0 +- 1.1	14
2-5	20.2 +- 1.1	16
>5	19.8 +- .7	5
UPWIND CONTROL DATA	21.2 +- .5	3

QUAD CITIES

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820322-820720 121 DAYS
FIELD TIME 820326-820710 107 DAYS

NRC STATION	LOCATION AZIMUTH (deg.)	LOCATION DIST (mi.)	GROSS EXPOSURE(mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
001	7	0.70	23.5 +- .7	17.5 +- .5
002	17	1.20	20.1 +- .4	15.0 +- .3
003	45	1.70	22.4 +- .5	16.6 +- .4
004	65	1.10	24.1 +- .1	17.9 +- .1
005	90	0.80	24.2 +- .6	18.0 +- .5
006	136	1.10	22.7 +- 1.0	16.9 +- .7
007	175	1.80	19.0 +- .2	14.1 +- .1
008	157	2.00	18.5 +- .9	13.8 +- .7
009	186	3.10	23.0 +- .5	17.1 +- .4
010	188	7.70	25.7 +- .8	19.1 +- .6
011	156	4.20	25.9 +- .1	19.3 +- .1
012	142	4.80	25.9 +- 1.6	19.2 +- 1.2
013	121	3.30	23.7 +- .5	17.6 +- .4
014	114	2.00	22.7 +- .5	16.9 +- .3
015	86	2.80	26.2 +- .5	19.5 +- .4
016	62	4.40	30.4 +- 1.5	22.6 +- 1.1
017	48	6.10	23.2 +- .3	17.2 +- .2
019	36	4.70	22.6 +- .5	16.8 +- .3
020	16	4.30	23.3 +- .0	17.3 +- .0
022	336	4.10	29.3 +- .6	21.8 +- .5

QUAD CITIES

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820322-820720 121 DAYS
FIELD TIME 820326-820710 107 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.) (mi.)	GROSS EXPOSURE(mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
023	337 5.70	29.9 +- 1.5	22.2 +- 1.1
024	317 4.40	26.6 +- .1	19.8 +- .1
025	295 4.10	24.2 +- 1.3	18.0 +- 1.0
026	282 6.90	22.1 +- .9	16.5 +- .7
027	265 4.30	24.2 +- .2	18.0 +- .1
028	253 4.00	25.0 +- 1.1	18.6 +- .8
029	356 2.80	26.9 +- .9	20.0 +- .7
030	335 1.90	23.5 +- 1.9	17.5 +- 1.4
031	317 2.60	28.2 +- 1.4	21.0 +- 1.0
034	248 2.20	27.0 +- .9	20.1 +- .6
035	229 2.60	18.5 +- .7	13.7 +- .5
036	204 3.40	26.7 +- .8	19.8 +- .6
037	194 8.30	27.0 +- .4	20.1 +- .3
038	224 4.60	28.1 +- .1	20.9 +- .1
039	301 15.3	22.2 +- 1.7	16.5 +- 1.3
040	301 15.3	24.7 +- .4	18.3 +- .3
041	301 15.4	23.5 +- .0	17.5 +- .0
050	CTL TLD	13.3 +- .1	9.9 +- .1

QUAD CITIES
FOR THE PERIOD 820322-820720 121 DAYS

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
348.75-11.25 (N)	18.8 +- 1.8	2
11.25-33.75 (NNE)	16.1 +- 1.7	2
33.75-56.25 (NE)	16.9 +- .3	3
56.25-78.75 (ENE)	20.2 +- 3.3	2
78.75-101.25 (E)	18.7 +- 1.1	2
101.25-123.75(ESE)	17.2 +- .5	2
123.75-146.25(SE)	18.1 +- 1.7	2
146.25-168.75(SSE)	16.5 +- 3.9	2
168.75-191.25(S)	16.8 +- 2.5	3
191.25-213.75(SSW)	20.0 +- .2	2
213.75-236.25(SW)	17.3 +- 5.1	2
236.25-258.75(WSW)	19.3 +- 1.0	2
258.75-281.25(W)	18.0 +- 0.0	1
281.25-303.75(WNW)	17.2 +- 1.1	2
303.75-326.25(NW)	20.4 +- .8	2
326.25-348.75(NNW)	20.5 +- 2.6	3

DISTANCE(mi) FROM THE REACTOR	AVER.EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
0-2	16.4 +- 1.6	10
2-5	19.0 +- 2.0	19
>5	19.0 +- 2.3	5
UPWIND CONTROL DATA	17.4 +- .9	3

RANCHO SECO

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820316-820727 134 DAYS
FIELD TIME 820405-820715 102 DAYS

NRC STATION	LOCATION AZIMUTH (deg.)	DIST (mi.)	GROSS EXPOSURE (mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
050	CTL	TLD	17.0 +- .4	11.4 +- .3
001	288	15.5	27.0 +- .9	18.1 +- .6
002	239	11.8	22.8 +- .8	15.3 +- .6
004	149	9.90	31.6 +- .3	21.2 +- .2
005	108	8.20	35.6 +- 1.0	23.9 +- .7
007	83	9.70	22.9 +- .7	15.4 +- .4
008	37	7.10	24.5 +- .7	16.5 +- .5
009	65	0.80	19.8 +- .3	13.3 +- .2
010	43	0.70	25.2 +- .9	16.9 +- .6
011	92	0.20	27.3 +- .8	18.3 +- .5
012	131	1.60	25.6 +- .8	17.2 +- .5
013	358	0.60	25.6 +- .7	17.2 +- .5
014	323	0.70	20.2 +- .5	13.6 +- .3
015	151	0.70	25.2 +- .8	16.9 +- .5
017	245	1.50	25.6 +- .1	17.2 +- .1
018	254	2.30	27.4 +- .5	18.4 +- .3
019	323	7.00	27.5 +- .7	18.4 +- .5
020	309	6.30	28.5 +- .3	19.2 +- .2
022	244	6.40	27.0 +- .7	18.1 +- .5
024	350	10.5	26.7 +- .8	18.0 +- .5

RANCHO SECO

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820316-820727 134 DAYS
FIELD TIME 820405-820715 102 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
025	318	17.3	26.4 +- .8	17.7 +- .5
026	311	21.9	29.9 +- .7	20.1 +- .5
027	306	26.8	27.4 +- 1.0	18.4 +- .7
028	306	26.8	28.2 +- .5	18.9 +- .3
029	306	27.0	26.1 +- .7	17.6 +- .4
030	306	27.0	25.0 +- .1	16.8 +- .1

RANCHO SECO
FOR THE PERIOD 820316-820727 134 DAYS

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
348.75-11.25 (N)	17.6 +- .6	2
11.25-33.75 (NNE)	0.0 +- 0.0	0
33.75-56.25 (NE)	16.7 +- .3	2
56.25-78.75 (ENE)	13.3 +- 0.0	1
78.75-101.25 (E)	16.9 +- 2.1	2
101.25-123.75(ESE)	23.9 +- 0.0	1
123.75-146.25(SE)	17.2 +- 0.0	1
146.25-168.75(SSE)	19.1 +- 3.0	2
166.75-191.25(S)	0.0 +- 0.0	0
191.25-213.75(SSW)	0.0 +- 0.0	0
213.75-236.25(SW)	0.0 +- 0.0	0
236.25-258.75(WSW)	17.2 +- 1.4	4
258.75-281.25(W)	0.0 +- 0.0	0
281.25-303.75(WNW)	18.1 +- 0.0	1
303.75-326.25(NW)	17.2 +- 2.0	6
326.25-348.75(NNW)	0.0 +- 0.0	0

DISTANCE(mi) FROM THE REACTOR	AVER.EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
0-2	16.3 +- 1.8	8
2-5	18.4 +- 0.0	1
>5	18.2 +- 2.3	13
UPWIND CONTROL DATA	19.1 +- .9	3

ROBINSON

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820325-820712 110 DAYS
FIELD TIME 820405-820706 93 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
001	191	0.20	18.6 +- .4	15.2 +- .3
002	151	1.90	22.6 +- .7	18.5 +- .6
004	119	1.90	17.6 +- .2	14.4 +- .2
006	65	1.00	20.9 +- .1	17.1 +- .1
007	46	1.80	21.4 +- .7	17.5 +- .6
008	27	1.90	21.7 +- .1	17.7 +- .1
009	22	3.50	18.1 +- .3	14.8 +- .2
012	67	4.10	18.4 +- .5	15.1 +- .4
013	87	4.50	19.2 +- .5	15.7 +- .4
014	109	5.00	19.9 +- .3	16.2 +- .2
015	118	4.80	21.6 +- .2	17.6 +- .2
016	138	5.30	19.5 +- .6	15.9 +- .5
017	115	17.1	21.0 +- .5	17.2 +- .4
018	199	12.6	20.3 +- .0	16.6 +- .0
019	208	4.80	26.0 +- .0	21.3 +- .0
020	225	4.00	23.5 +- .2	19.3 +- .1
021	178	4.60	16.7 +- .1	13.7 +- .1
022	167	3.70	20.4 +- .6	16.7 +- .5
024	194	2.00	22.6 +- .2	18.5 +- .2
025	228	2.10	20.1 +- .4	16.4 +- .4

ROBINSON

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820325-820712 110 DAYS
FIELD TIME 820405-820706 93 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
027	273	1.80	17.3 +- .1	14.2 +- .1
028	287	2.00	16.7 +- .3	13.7 +- .3
029	311	1.60	20.3 +- .5	16.6 +- .4
030	334	1.90	20.9 +- .2	17.1 +- .2
031	353	1.80	16.6 +- .1	13.6 +- .1
032	333	4.00	20.8 +- .4	17.0 +- .3
033	318	4.70	21.2 +- .1	17.4 +- .1
035	295	4.00	24.3 +- .6	19.9 +- .5
036	269	4.80	21.5 +- .3	17.6 +- .3
037	252	4.60	21.0 +- .1	17.2 +- .1
038	274	10.7	19.3 +- .5	15.8 +- .4
039	286	15.3	17.2 +- .4	14.1 +- .4
040	289	16.5	18.3 +- .5	15.0 +- .4
041	291	17.5	18.4 +- .2	15.0 +- .2

ROBINSON
FOR THE PERIOD 820325-820712 110 DAYS

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
348.75-11.25 (N)	13.6 +- 0.0	1
11.25-33.75 (NNE)	16.3 +- 2.0	2
33.75-56.25 (NE)	17.5 +- 0.0	1
56.25-78.75 (ENE)	16.1 +- 1.4	2
78.75-101.25 (E)	15.7 +- 0.0	1
101.25-123.75(ESE)	16.4 +- 1.4	4
123.75-146.25(SE)	15.9 +- 0.0	1
146.25-168.75(SSE)	17.6 +- 1.2	2
168.75-191.25(S)	14.4 +- 1.1	2
191.25-213.75(SSW)	18.8 +- 2.4	3
213.75-236.25(SW)	17.8 +- 2.0	2
236.25-258.75(WSW)	17.2 +- 0.0	1
258.75-281.25(W)	15.8 +- 1.7	3
281.25-303.75(WNW)	16.8 +- 4.4	2
303.75-326.25(NW)	17.0 +- .5	2
326.25-348.75(NNW)	17.1 +- .1	2

DISTANCE(mi) FROM THE REACTOR	AVER.EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
0-2	16.2 +- 1.8	12
2-5	17.1 +- 2.0	15
>5	16.4 +- .6	4
UPWIND CONTROL DATA	14.7 +- .5	3

ST. LUCIE

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820323-820209 109 DAYS
FIELD TIME 820402-820702 92 DAYS

NRC STATION	LOCATION AZIMUTH (deg.)	DIST (mi.)	GROSS EXPOSURE(mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
050	CTL	TLD	11.3 +- .2	9.3 +- .2
001	20	0.30	16.6 +- .1	13.7 +- .1
002	45	0.20	18.3 +- 1.0	15.1 +- .8
003	67	0.20	17.0 +- .1	14.0 +- .1
004	92	0.30	18.3 +- 1.7	15.1 +- 1.4
006	143	1.10	15.7 +- .8	13.0 +- .7
008	154	4.70	16.4 +- .1	13.5 +- .1
009	152	22.7	17.7 +- 1.5	14.6 +- 1.2
011	152	22.7	15.8 +- .1	13.1 +- .1
012	168	14.1	16.6 +- .3	13.7 +- .3
013	185	10.1	17.8 +- .4	14.7 +- .4
014	183	11.3	18.6 +- .4	15.3 +- .3
015	170	8.00	15.8 +- .4	13.0 +- .3
016	196	7.00	16.5 +- .5	13.7 +- .4
017	229	7.90	14.8 +- .1	12.2 +- .1
018	250	6.60	15.2 +- .4	12.6 +- .4
019	247	4.80	15.1 +- .6	12.5 +- .5
020	229	5.00	15.0 +- .1	12.4 +- .0
021	208	3.80	14.5 +- .3	11.9 +- .2
022	187	3.80	15.6 +- .4	12.9 +- .3

ST. LUCIE

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820323-820709 109 DAYS
FIELD TIME 820402-820702 92 DAYS

NRC STATION	LOCATION AZIMUTH (deg.)	DIST (mi.)	GROSS EXPOSURE(mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
023	203	2.60	12.8 +- 1.1	10.5 +- .9
025	280	2.20	16.1 +- .7	13.3 +- .5
026	299	3.10	16.0 +- .4	13.2 +- .3
027	305	3.80	14.6 +- .1	12.0 +- .1
028	276	4.00	15.3 +- .6	12.6 +- .5
029	293	5.80	15.3 +- .1	12.7 +- .0
030	316	7.70	15.1 +- .1	12.4 +- .1
032	300	10.9	15.8 +- .3	13.1 +- .3
033	322	8.70	16.6 +- 1.0	13.7 +- .8
034	339	8.80	15.4 +- .5	12.7 +- .4
035	342	2.90	15.3 +- .0	12.6 +- .0
036	346	1.90	16.7 +- .7	13.8 +- .5
037	353	1.00	15.8 +- .1	13.1 +- .1
038	226	2.00	16.7 +- .7	13.8 +- .6

ST. LUCIE
FOR THE PERIOD 820323-820709 109 DAYS

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
348.75-11.25 (N)	13.1 +- 0.0	1
11.25-33.75 (NNE)	13.7 +- 0.0	1
33.75-56.25 (NE)	15.1 +- 0.0	1
56.25-78.75 (ENE)	14.0 +- 0.0	1
78.75-101.25 (E)	15.1 +- 0.0	1
101.25-123.75(ESE)	0.0 +- 0.0	0
123.75-146.25(SE)	13.0 +- 0.0	1
146.25-168.75(SSE)	13.6 +- .2	2
168.75-191.25(S)	14.0 +- 1.2	4
191.25-213.75(SSW)	12.0 +- 1.6	3
213.75-236.25(SW)	12.8 +- .9	3
236.25-258.75(WSW)	12.5 +- .1	2
258.75-281.25(W)	12.9 +- .5	2
281.25-303.75(WNW)	13.0 +- .3	3
303.75-326.25(NW)	12.7 +- .9	3
326.25-348.75(NNW)	13.1 +- .7	3

DISTANCE(m) FROM THE REACTOR	AVER.EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
0-2	14.0 +- .8	8
2-5	12.5 +- .8	11
>5	13.3 +- .9	12
UPWIND CONTROL DATA	13.9 +- 1.1	2

SALEM/HOPE CREEK

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820322-820707 108 DAYS
FIELD TIME 820330-820629 92 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
004	58	4.20	22.1 +- .0	18.4 +- .0
005	54	4.90	21.2 +- 1.2	17.6 +- 1.0
006	68	8.60	19.2 +- .3	16.0 +- .2
007	40	5.70	14.6 +- .5	12.2 +- .4
008	116	11.8	20.9 +- 1.3	17.4 +- 1.1
010	8	5.80	20.8 +- 1.6	17.3 +- 1.3
011	15	8.10	20.5 +- .3	17.1 +- .2
013	49	8.60	19.3 +- .6	16.1 +- .5
014	90	6.70	19.4 +- .5	16.1 +- .4
015	11	6.40	19.9 +- .4	16.6 +- .4
016	CTL	TLD	13.7 +- .3	11.4 +- .2

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/HOPE CREEK
FOR THE PERIOD 820322-820707 108 DAYS

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
348.75-11.25 (N)	16.9 +- .5	2
11.25-33.75 (NNE)	17.1 +- 0.0	1
33.75-56.25 (NE)	15.3 +- 2.8	3
56.25-78.75 (ENE)	17.2 +- 1.7	2
78.75-101.25 (E)	16.1 +- 0.0	1
101.25-123.75(ESE)	17.4 +- 0.0	1
123.75-146.25(SE)	0.0 +- 0.0	0
146.25-168.75(SSE)	0.0 +- 0.0	0
168.75-191.25(S)	0.0 +- 0.0	0
191.25-213.75(SSW)	0.0 +- 0.0	0
213.75-236.25(SW)	0.0 +- 0.0	0
236.25-258.75(WSW)	0.0 +- 0.0	0
258.75-281.25(W)	0.0 +- 0.0	0
281.25-303.75(WNW)	0.0 +- 0.0	0
303.75-326.25(NW)	0.0 +- 0.0	0
326.25-348.75(NNW)	0.0 +- 0.0	0

DISTANCE(miles) FROM THE REACTOR	AVER.EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
0-2	0.0 +- 0.0	0
2-5	18.0 +- .5	2
>5	16.1 +- 1.7	8
UPWIND CONTROL DATA	NO DATA	NO DATA

SALEM/HOPE CREEK

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820322-820702 103 DAYS
FIELD TIME 820329-820629 93 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
017	331	4.20	22.0 +- 1.4	19.2 +- 1.2
018	320	3.80	18.3 +- 1.0	16.0 +- .9
019	299	3.40	23.6 +- 1.3	20.6 +- 1.1
020	330	9.50	24.9 +- 1.5	21.8 +- 1.3
021	276	3.60	22.6 +- .1	19.8 +- .1
022	266	4.70	20.9 +- .1	18.2 +- .1
023	257	4.40	23.2 +- 1.7	20.3 +- 1.5
024	240	4.40	22.9 +- .7	20.0 +- .6
025	217	4.90	21.4 +- .0	18.7 +- .0
026	204	3.90	20.1 +- .9	17.5 +- .8
028	319	20.0	23.7 +- .5	20.7 +- .4
029	265	6.70	18.4 +- .3	16.1 +- .2
030	353	12.5	20.8 +- .3	18.2 +- .3
031	0	18.0	19.7 +- .6	17.2 +- .5
032	338	8.10	19.8 +- .9	17.3 +- .8
033	265	9.80	21.8 +- .9	19.0 +- .8
034	270	13.8	22.4 +- .4	19.6 +- .3

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/HOPE CREEK
FOR THE PERIOD 820322-820702 103 DAYS

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
348.75-11.25 (N)	0.0 +- 0.0	0
11.25-33.75 (NNE)	0.0 +- 0.0	0
33.75-56.25 (NE)	0.0 +- 0.0	0
56.25-78.75 (ENE)	0.0 +- 0.0	0
78.75-101.25 (E)	0.0 +- 0.0	0
101.25-123.75(ESE)	0.0 +- 0.0	0
123.75-146.25(SE)	0.0 +- 0.0	0
146.25-168.75(SSE)	0.0 +- 0.0	0
168.75-191.25(S)	0.0 +- 0.0	0
191.25-213.75(SSW)	17.5 +- 0.0	1
213.75-236.25(SW)	18.7 +- 0.0	1
236.25-258.75(WSW)	20.1 +- .2	2
258.75-281.25(W)	18.5 +- 1.5	5
281.25-303.75(WNW)	20.6 +- 0.0	1
303.75-326.25(NW)	16.0 +- 0.0	1
326.25-348.75(NNW)	19.4 +- 2.3	3

DISTANCE(mi) FROM THE REACTOR	AVER.EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
0-2	0.0 +- 0.0	0
2-5	18.9 +- 1.5	9
>5	18.8 +- 2.2	5
UPWIND CONTROL DATA	18.7 +- 1.2	3

SAN ONOFRE

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820316-820727 134 DAYS
FIELD TIME 820324-820706 105 DAYS

NRC STATION	LOCATION AZIMUTH (deg.)	DIST (mi.)	GROSS EXPOSURE (mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
050	CTL	TLD	23.2 +- .6	15.6 +- .4
001	346	35.0	39.5 +- 1.1	26.5 +- .8
003	346	35.0	40.3 +- 1.1	27.1 +- .7
004	327	11.2	32.7 +- .4	22.0 +- .3
005	308	14.0	37.9 +- .5	25.5 +- .3
008	322	5.10	35.0 +- 1.9	23.5 +- 1.3
016	30	1.90	39.4 +- 1.1	26.5 +- .7
017	8	1.30	33.3 +- .4	22.4 +- .3
018	39	2.40	39.6 +- 1.0	26.6 +- .7
019	55	2.90	34.5 +- 1.4	23.2 +- .9
021	87	4.70	38.1 +- .2	25.6 +- .1
022	25	3.40	40.1 +- 1.9	27.0 +- 1.3
023	357	3.50	37.4 +- 1.5	25.1 +- 1.0
024	25	0.40	33.4 +- 1.3	22.4 +- .9
025	81	0.40	33.8 +- .2	22.7 +- .2
026	123	2.10	32.9 +- .5	22.1 +- .3
027	130	8.60	35.4 +- 1.8	23.7 +- 1.2
028	99	8.90	30.6 +- 1.1	20.6 +- .7
029	135	10.9	34.2 +- 1.0	23.0 +- .7
030	126	2.00	28.5 +- .9	19.1 +- .6

SAN ONOFRE

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820316-820727 134 DAYS
FIELD TIME 820324-820706 105 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
032	140	22.0	32.2 +- .8	21.6 +- .6

SAN ONOFRE
FOR THE PERIOD 820316-820727 134 DAYS

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
348.75-11.25 (N)	23.8 +- 1.9	2
11.25-33.75 (NNE)	25.3 +- 2.5	3
33.75-56.25 (NE)	24.9 +- 2.4	2
56.25-78.75 (ENE)	0.0 +- 0.0	0
78.75-101.25 (E)	22.9 +- 2.5	3
101.25-123.75(ESE)	22.1 +- 0.0	1
123.75-146.25(SE)	21.9 +- 2.0	4
145.25-168.75(SSE)	0.0 +- 0.0	0
168.75-191.25(S)	0.0 +- 0.0	0
191.25-213.75(SSW)	0.0 +- 0.0	0
213.75-236.25(SW)	0.0 +- 0.0	0
236.25-258.75(WSW)	0.0 +- 0.0	0
258.75-281.25(W)	0.0 +- 0.0	0
281.25-303.75(WNW)	0.0 +- 0.0	0
303.75-326.25(NW)	24.5 +- 1.4	2
326.25-348.75(NNW)	22.0 +- 0.0	1

DISTANCE(mi) FROM THE REACTOR	AVER.EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
0-2	22.6 +- 2.6	5
2-5	24.9 +- 1.9	6
>5	22.8 +- 1.6	7
UPWIND CONTROL DATA	26.8 +- .4	2

SEQUOYAH

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820325-820716 114 DAYS
FIELD TIME 820330-820712 105 DAYS

NRC STATION	LOCATION AZIMUTH (deg.)	LOCATION DIST (mi.)	GROSS EXPOSURE (mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
001	218	11.7	25.7 +- .3	20.3 +- .2
002	206	13.1	22.5 +- .0	17.8 +- .0
003	203	3.90	29.7 +- 1.3	23.4 +- 1.0
004	199	2.00	19.5 +- .1	15.4 +- .0
005	181	1.40	30.8 +- .3	24.3 +- .2
006	153	1.50	24.8 +- .0	19.6 +- .0
007	139	1.90	23.1 +- 1.0	18.2 +- .8
008	115	1.80	23.2 +- .7	18.3 +- .5
009	84	1.60	22.7 +- .4	17.9 +- .3
010	66	1.30	24.0 +- .0	18.9 +- .0
011	45	1.50	26.0 +- .9	20.5 +- .7
012	14	2.00	28.7 +- .2	22.7 +- .2
013	2	2.10	27.2 +- 1.6	21.5 +- 1.3
014	19	3.90	25.2 +- .7	19.9 +- .6
015	48	4.00	22.9 +- .2	18.1 +- .1
017	90	3.90	25.8 +- .2	20.4 +- .2
018	111	3.40	25.4 +- 1.2	20.0 +- .9
019	135	3.40	23.5 +- .6	18.5 +- .5
020	158	3.40	20.2 +- .8	15.9 +- .7
021	184	4.60	24.0 +- .7	18.9 +- .5

SEQUOYAH

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820325-820716 114 DAYS
FIELD TIME 820330-820712 105 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
022	233	10.7	15.8 +- .4	12.5 +- .3
023	219	4.90	26.7 +- .9	21.1 +- .7
024	241	4.30	25.2 +- .1	19.9 +- .1
025	235	2.00	20.6 +- 1.2	16.2 +- .9
026	248	1.50	23.1 +- .3	18.3 +- .2
027	266	1.20	23.5 +- .3	18.6 +- .3
028	291	1.20	23.6 +- .8	18.6 +- .6
029	309	1.20	26.3 +- .1	20.8 +- .1
030	330	0.50	25.8 +- .7	20.4 +- .5
031	339	1.80	25.6 +- .3	20.2 +- .3
032	355	4.90	23.5 +- .5	18.6 +- .4
033	334	3.60	23.5 +- .7	18.6 +- .5
034	317	4.40	21.5 +- .0	17.0 +- .0
035	277	5.60	27.0 +- .6	21.3 +- .4
036	283	3.60	23.7 +- .3	18.7 +- .3
037	273	4.40	22.7 +- .6	17.9 +- .5
038	302	19.0	22.8 +- .0	18.0 +- .0
039	290	18.0	26.3 +- 1.3	20.8 +- 1.0
040	289	18.0	24.2 +- .5	19.1 +- .4
041	318	6.10	25.2 +- .1	19.9 +- .1
050	CTL	TLD	13.7 +- .2	10.8 +- .1

SEQUOYAH
FOR THE PERIOD 820325-820716 114 DAYS

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
348.75-11.25 (N)	20.0 +- 2.0	2
11.25-33.75 (NNE)	21.3 +- 2.0	2
33.75-56.25 (NE)	19.3 +- 1.7	2
56.25-78.75 (ENE)	18.9 +- 0.0	1
78.75-101.25 (E)	19.1 +- 1.8	2
101.25-123.75(ESE)	19.2 +- 1.2	2
123.75-146.25(SE)	18.4 +- .2	2
146.25-168.75(SSE)	17.8 +- 2.6	2
168.75-191.25(S)	21.6 +- 3.8	2
191.25-213.75(SSW)	18.9 +- 4.1	3
213.75-236.25(SW)	17.5 +- 4.0	4
236.25-258.75(WSW)	19.1 +- 1.2	2
258.75-281.25(W)	19.3 +- 1.8	3
281.25-303.75(WNW)	18.7 +- .1	2
303.75-326.25(NW)	19.2 +- 2.0	3
326.25-348.75(NNW)	19.7 +- 1.0	3

DISTANCE(mi) FROM THE REACTOR	AVER.EXPOSURE +- Std.Dev (mR/Std.Qtr.)	# IN GROUP
0-2	19.3 +- 2.2	16
2-5	19.3 +- 1.8	16
>5	18.4 +- 3.5	5
UPWIND CONTROL DATA	19.3 +- 1.4	3

SUMMER

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820325-820709 107 DAYS
FIELD TIME 820402-820702 92 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
050	CTL	TLD	13.7 +- .7	11.5 +- .6
001	199	3.70	27.4 +- .5	23.1 +- .4
002	111	1.00	26.9 +- .2	22.6 +- .1
003	340	4.10	31.5 +- .9	26.5 +- .8
004	192	9.30	26.1 +- .4	21.9 +- .3
005	72	1.80	28.8 +- .1	24.2 +- .1
006	54	1.50	28.2 +- 1.0	23.7 +- .8
007	46	3.00	32.6 +- .0	27.5 +- .0
009	13	3.90	32.9 +- .3	27.7 +- .2
010	7	4.00	32.7 +- .7	27.5 +- .5
011	349	4.30	26.6 +- .3	22.4 +- .2
012	323	5.00	30.2 +- 1.5	25.4 +- 1.3
013	333	3.00	31.0 +- .2	26.0 +- .1
014	255	2.80	22.7 +- .6	19.1 +- .5
015	308	5.60	30.9 +- .4	26.0 +- .3
016	64	3.50	30.0 +- .0	25.3 +- .0
017	98	3.10	29.3 +- .6	24.6 +- .5
018	114	3.50	27.8 +- 1.1	23.4 +- .9
019	132	2.00	26.2 +- .0	22.1 +- .0
020	152	4.50	19.9 +- .2	16.7 +- .1

SUMMER

ILD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820325-820709 107 DAYS
FIELD TIME 820402-820702 92 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.) (mi.)	GROSS EXPOSURE(mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
021	133 4.10	21.7 +- .2	18.3 +- .2
022	157 2.40	24.0 +- .4	20.2 +- .3
023	173 2.40	24.3 +- .4	20.4 +- .4
024	185 3.90	25.2 +- .2	21.2 +- .1
025	210 3.30	25.5 +- .1	21.4 +- .1
026	217 3.30	25.4 +- .1	21.4 +- .0
027	231 3.10	22.9 +- .5	19.2 +- .4
028	267 2.70	26.9 +- .3	22.6 +- .2
029	276 3.40	28.7 +- .9	24.1 +- .7
030	293 3.80	31.8 +- 1.1	26.8 +- .9
031	244 3.60	26.8 +- .7	22.6 +- .6
032	247 6.20	28.0 +- .4	23.5 +- .3
033	218 9.00	28.4 +- 1.3	23.9 +- 1.1
034	192 9.30	26.5 +- .2	22.3 +- .2
035	184 14.1	21.1 +- .4	17.8 +- .3
037	182 14.8	20.0 +- 1.0	16.8 +- .8
038	148 20.8	28.3 +- 1.7	23.8 +- 1.4
039	140 25.0	28.5 +- .6	24.0 +- .5
040	135 23.1	22.4 +- .0	18.8 +- .0

SUMMER
FOR THE PERIOD 820325-820709 107 DAYS

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
348.75-11.25 (N)	24.9 +- 3.7	2
11.25-33.75 (NNE)	27.7 +- 0.0	1
33.75-56.25 (NE)	25.6 +- 2.6	2
56.25-78.75 (ENE)	24.8 +- .7	2
78.75-101.25 (E)	24.6 +- 0.0	1
101.25-123.75(ESE)	23.0 +- .5	2
123.75-146.25(SE)	20.8 +- 2.7	4
146.25-168.75(SSE)	20.3 +- 3.5	3
168.75-191.25(S)	20.8 +- .6	2
191.25-213.75(SSW)	22.2 +- .7	4
213.75-236.25(SW)	21.5 +- 2.3	3
236.25-258.75(WSW)	21.7 +- 2.3	3
258.75-281.25(W)	23.4 +- 1.0	2
281.25-303.75(WNW)	26.8 +- 0.0	1
303.75-326.25(NW)	25.7 +- .4	2
326.25-348.75(NNW)	26.3 +- .3	2

DISTANCE(mi) FROM THE REACTOR	AVER.EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
0-2	23.2 +- 1.0	4
2-5	23.1 +- 3.1	24
>5	23.0 +- 2.1	8
UPWIND CONTROL DATA	17.3 +- .6	2

SURRY

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820325-820712 110 DAYS
FIELD TIME 820406-820707 93 DAYS

NRC STATION	LOCATION AZIMUTH (deg.)	DIST (mi.)	GROSS EXPOSURE (mR) +- Std. Dev.	EXPOSURE RATE mR/Std. Qtr. +- Std. Dev.
050	CTL	TLD	12.3 +- .2	10.1 +- .1
001	118	18.8	21.9 +- 1.1	17.9 +- .9
002	129	17.3	23.8 +- .1	19.4 +- .1
003	162	16.5	21.3 +- .5	17.4 +- .4
004	162	16.5	18.1 +- .4	14.8 +- .3
005	156	5.10	23.7 +- .3	19.4 +- .3
006	189	4.10	20.3 +- .1	16.6 +- .0
007	202	2.20	19.2 +- .2	15.7 +- .2
008	183	1.60	22.0 +- 1.5	18.0 +- 1.2
009	243	0.20	25.0 +- 1.0	20.5 +- .8
010	269	0.10	29.3 +- .1	24.0 +- .1
011	304	0.10	26.5 +- 1.8	21.7 +- 1.5
012	334	0.20	28.7 +- .4	23.4 +- .3
013	10	1.20	22.7 +- .1	18.6 +- .1
014	21	2.00	22.4 +- .1	18.3 +- .1
015	203	4.50	19.9 +- .6	16.2 +- .5
016	224	3.70	19.1 +- .3	15.6 +- .3
018	248	5.10	20.7 +- .0	16.9 +- .0
019	259	8.10	21.3 +- .0	17.4 +- .0
020	285	5.00	15.0 +- .3	12.3 +- .2

SURRY

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820325-820712 110 DAYS
FIELD TIME 820406-820707 93 DAYS

NRC STATION	LOCATION AZIMUTH (deg.)	LOCATION DIST (mi.)	GROSS EXPOSURE(mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
021	270	4.10	23.1 +- .4	18.9 +- .3
022	123	12.5	24.1 +- .2	19.7 +- .2
023	102	11.0	30.2 +- .1	24.7 +- .1
024	106	4.90	23.3 +- .1	19.1 +- .1
025	90	5.20	22.9 +- .0	18.7 +- .0
026	69	5.10	27.4 +- .1	22.4 +- .1
027	23	5.30	24.1 +- .8	19.7 +- .7
028	49	5.00	25.5 +- .9	20.9 +- .7
029	7	6.80	25.0 +- .7	20.5 +- .6
030	359	6.50	22.3 +- .2	18.2 +- .2
031	1	4.60	18.2 +- .3	14.9 +- .3
032	332	3.80	21.7 +- .9	17.7 +- .7
033	314	5.40	24.0 +- 1.0	19.6 +- .8
034	308	6.40	22.1 +- .1	18.1 +- .1
035	348	5.30	21.1 +- .1	17.3 +- .1
036	343	14.7	16.4 +- .3	13.4 +- .2
037	340	15.4	20.6 +- .6	16.9 +- .5
038	339	15.8	21.0 +- .2	17.2 +- .2
039	153	1.90	26.3 +- .1	21.5 +- .1

SURRY
FOR THE PERIOD 820325-820712 110 DAYS

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
348.75-11.25 (N)	18.0 +- 2.3	4
11.25-33.75 (NNE)	19.0 +- 1.0	2
33.75-56.25 (NE)	20.9 +- 0.0	1
56.25-78.75 (ENE)	22.4 +- 0.0	1
78.75-101.25 (E)	18.7 +- 0.0	1
101.25-123.75(ESE)	20.3 +- 3.0	4
123.75-146.25(SE)	19.4 +- 0.0	1
146.25-168.75(SSE)	18.3 +- 2.8	4
168.75-191.25(S)	17.3 +- 1.0	2
191.25-213.75(SSW)	16.0 +- .4	2
213.75-236.25(SW)	15.6 +- 0.0	1
236.25-258.75(WSW)	18.7 +- 2.5	2
258.75-281.25(W)	20.1 +- 3.5	3
281.25-303.75(WNW)	12.3 +- 0.0	1
303.75-326.25(NW)	19.8 +- 1.8	3
326.25-348.75(NNW)	19.5 +- 3.4	3

DISTANCE(mi) FROM THE REACTOR	AVER.EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
0-2	20.7 +- 2.3	8
2-5	16.8 +- 2.4	10
>5	18.9 +- 2.2	17
UPWIND CONTROL DATA	15.8 +- 2.1	3

SUSQUEHANNA

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820322-820709 110 DAYS
FIELD TIME 820330-820706 99 DAYS

NRC STATION	LOCATION AZIMUTH (deg.)	LOCATION DIST (mi.)	GROSS EXPOSURE(mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
001	19	1.40	22.1 +- 0.0	18.1 +- 0.0
002	0	1.40	23.0 +- .2	18.8 +- .2
003	333	1.70	21.6 +- .9	17.7 +- .7
004	318	1.70	21.2 +- .1	17.3 +- .0
005	287	1.70	25.1 +- 1.4	20.6 +- 1.1
006	270	1.30	23.4 +- .6	19.1 +- .5
007	239	1.80	21.2 +- .3	17.3 +- .2
008	217	2.00	25.0 +- .1	20.5 +- .1
009	200	1.40	22.6 +- .4	18.5 +- .3
010	175	1.20	20.7 +- .3	16.9 +- .3
011	243	5.10	22.4 +- .6	18.3 +- .5
012	252	4.70	22.9 +- .2	18.7 +- .2
013	274	3.40	24.3 +- .1	19.9 +- .1
014	286	3.60	23.5 +- .7	19.2 +- .6
016	334	4.10	23.5 +- 1.4	19.3 +- 1.1
017	312	4.40	22.1 +- .4	18.0 +- .4
018	32	4.90	24.2 +- 1.2	19.8 +- 1.0
019	45	9.90	23.8 +- .1	19.4 +- .0
020	65	4.80	23.7 +- .4	19.4 +- .4
021	44	3.10	26.2 +- .7	21.5 +- .6

SUSQUEHANNA

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820322-820709 110 DAYS
FIELD TIME 820330-820706 99 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
022	47	0.70	20.8 +- .3	17.0 +- .2
023	65	1.20	21.2 +- .0	17.3 +- .0
024	87	1.40	22.1 +- .0	18.0 +- .0
025	108	1.40	22.7 +- .8	18.6 +- .6
026	137	1.50	22.6 +- .8	18.5 +- .6
027	152	1.50	23.6 +- .6	19.3 +- .5
028	108	3.70	23.9 +- .5	19.5 +- .4
029	102	4.30	26.3 +- .2	21.5 +- .2
030	140	4.30	23.2 +- .5	19.0 +- .4
031	162	3.40	23.6 +- .8	19.3 +- .7
033	192	3.10	24.8 +- .8	20.3 +- .7
034	231	4.40	21.5 +- .1	17.6 +- .1
035	134	12.5	22.7 +- .8	18.6 +- .6
036	114	13.3	23.4 +- 1.0	19.1 +- .8
037	150	15.2	25.8 +- .5	21.1 +- .4
050	CTL	TLD	12.9 +- .4	10.5 +- .3

SUSQUEHANNA
FOR THE PERIOD 820322-820709 110 DAYS

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
348.75-11.25 (N)	18.8 +- 0.0	1
11.25-33.75 (NNE)	19.0 +- 1.2	2
33.75-56.25 (NE)	19.3 +- 2.2	3
56.25-78.75 (ENE)	18.4 +- 1.4	2
78.75-101.25 (E)	18.0 +- 0.0	1
101.25-123.75(ESE)	19.9 +- 1.5	3
123.75-146.25(SE)	18.7 +- .4	2
146.25-168.75(SSE)	19.3 +- .0	2
168.75-191.25(S)	16.9 +- 0.0	1
191.25-213.75(SSW)	19.4 +- 1.3	2
213.75-236.25(SW)	19.0 +- 2.1	2
236.25-258.75(WSW)	18.1 +- .7	3
258.75-281.25(W)	19.5 +- .5	2
281.25-303.75(WNW)	19.9 +- 1.0	2
303.75-326.25(NW)	17.7 +- .5	2
326.25-348.75(NNW)	18.5 +- 1.1	2

DISTANCE(mi) FROM THE REACTOR	AVER.EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
0-2	18.3 +- 1.1	16
2-5	19.5 +- 1.1	14
>5	18.9 +- .8	2
UPWIND CONTROL DATA	19.6 +- 1.3	3

THREE MILE ISLAND

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820327-820720 116.0 DAYS
FIELD TIME 820331-820707 99.0 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
003	101	3.90	17.7 +- .7	13.7 +- .5
005	109	2.70	19.3 +- .8	15.0 +- .6
007	163	1.80	21.5 +- .2	16.6 +- .2
011	150	1.00	15.9 +- .1	12.3 +- .1
013	136	0.60	14.8 +- .2	11.5 +- .2
015	83	0.40	15.5 +- .7	12.0 +- .5
017	60	0.50	15.7 +- .2	12.2 +- .2
019	1	1.70	15.3 +- .1	11.9 +- .1
021	25	0.90	14.9 +- .2	11.6 +- .2
023	46	2.80	16.8 +- .5	13.0 +- .4
025	19	5.20	16.0 +- .3	12.4 +- .3
027	358	2.50	15.1 +- .2	11.7 +- .2
028	358	2.50	14.6 +- .2	11.4 +- .1
033	351	4.10	16.0 +- .1	12.4 +- .1
035	349	3.50	14.0 +- .1	10.8 +- .1
037	343	3.20	15.2 +- .0	11.8 +- .0
039	318	5.00	16.5 +- 1.0	12.8 +- .7
041	348	1.30	13.3 +- .1	10.3 +- .1
043	17	3.10	16.8 +- 0.0	13.0 +- 0.0
045	64	3.80	14.5 +- .4	11.3 +- .3

THREE MILE ISLAND

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820327-820720 116 DAYS
FIELD TIME 820331-820707 99 DAYS

NRC STATION	LOCATION AZIMUTH (deg.)	LOCATION DIST (mi.)	GROSS EXPOSURE (mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
047	44	3.60	17.9 +- .0	13.9 +- .0
049	47	7.60	15.8 +- .2	12.2 +- .1
051	-	-	14.9 +- .1	11.6 +- .1
053	-	-	23.5 +- .7	18.2 +- .5
055	-	-	17.5 +- .2	13.6 +- .1
057	-	-	18.6 +- .1	14.4 +- .1
059	-	-	18.3 +- .4	14.2 +- .3
061	-	-	15.0 +- .1	11.6 +- .1
063	-	-	18.1 +- .1	14.0 +- .0
065	-	-	14.2 +- .1	11.0 +- .1
067	267	2.30	16.2 +- .2	12.6 +- .1
069	299	1.80	22.4 +- 1.3	17.4 +- 1.0
071	267	1.20	12.8 +- .1	9.9 +- .1
073	256	1.40	17.0 +- .7	13.2 +- .5
075	225	1.90	17.2 +- .4	13.3 +- .3
079	204	2.50	14.7 +- .1	11.4 +- .1
081	253	3.90	23.8 +- .1	18.5 +- .1
083	259	7.30	21.3 +- .8	16.5 +- .7
085	268	5.80	20.8 +- .0	16.2 +- .0
087	263	4.70	21.5 +- .3	16.7 +- .2
089	175	3.20	22.8 +- .2	17.7 +- .1

THREE MILE ISLAND

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820327-820720 116 DAYS
FIELD TIME 820331-820707 99 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.) (mi.)	GROSS EXPOSURE(mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
091	177 3.00	18.0 +- .5	13.9 +- .4
095	182 9.00	29.4 +- .2	22.8 +- .2
097	210 8.20	15.1 +- .2	11.7 +- .2
099	214 9.60	19.6 +- .2	15.2 +- .1
101	185 12.6	19.5 +- .0	15.2 +- .0
103	133 9.00	22.6 +- .1	17.6 +- .1
105	145 4.90	19.7 +- .6	15.3 +- .5
107	144 4.60	20.6 +- .0	16.0 +- .0
227	206 0.90	20.2 +- .7	15.7 +- .5
229	230 0.50	17.5 +- .1	13.6 +- .1
231	293 0.40	20.7 +- .6	16.0 +- .5
233	335 0.50	18.5 +- .3	14.3 +- .2
235	317 1.20	22.2 +- .3	17.2 +- .2
250	CTL TLD	13.0 +- .6	10.1 +- .5

THREE MILE ISLAND

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
348.75-11.25 (N)	11.6 +- .6	5
11.25-33.75 (NNE)	12.3 +- .7	3
33.75-56.25 (NE)	13.0 +- .8	3
56.25-78.75 (ENE)	11.7 +- .7	2
78.75-101.25 (E)	12.9 +- 1.2	2
101.25-123.75(ESE)	15.0 +- 0.0	1
123.75-146.25(SE)	15.1 +- 2.6	4
146.25-168.75(SSE)	14.5 +- 3.0	2
168.75-191.25(S)	17.4 +- 3.9	4
191.25-213.75(SSW)	12.9 +- 2.4	3
213.75-236.25(SW)	14.0 +- 1.0	3
236.25-258.75(WSW)	15.8 +- 3.7	2
258.75-281.25(W)	14.4 +- 3.0	5
281.25-303.75(WNW)	16.7 +- 1.0	2
303.75-326.25(NW)	15.0 +- 3.1	2
326.25-348.75(NNW)	12.1 +- 2.0	3

DISTANCE(mi) FROM THE REACTOR	AVER.EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
0-2	13.5 +- 2.4	17
2-5	13.6 +- 2.2	20
>5	15.5 +- 3.4	9
UPWIND CONTROL DATA	NO DATA	NO DATA

TROJAN

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820325-820726 124 DAYS
FIELD TIME 820403-820717 106 DAYS

NRC STATION	LOCATION AZIMUTH (deg.)	DIST (mi.)	GROSS EXPOSURE (mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
012	223	1.20	26.4 +- .2	19.1 +- .1
050	CTL	TLD	15.8 +- .4	11.5 +- .3
001	340	0.60	15.2 +- .2	11.1 +- .2
002	334	1.50	18.0 +- .2	13.0 +- .1
003	340	1.70	14.8 +- .2	10.7 +- .1
004	328	3.90	17.2 +- .9	12.5 +- .6
005	308	4.60	18.1 +- .1	13.1 +- .0
006	312	4.50	24.9 +- .3	18.1 +- .2
007	267	4.60	20.9 +- .4	15.2 +- .3
009	279	1.70	19.2 +- .3	13.9 +- .2
010	263	2.00	18.6 +- .6	13.5 +- .4
011	245	1.60	28.6 +- .4	20.7 +- .3
013	196	1.10	19.2 +- .0	13.9 +- .0
014	180	1.20	22.2 +- .8	16.1 +- .6
015	165	1.70	22.0 +- .0	15.9 +- .0
016	212	3.90	24.4 +- .2	17.7 +- .1
017	230	3.50	25.0 +- .3	18.1 +- .2
018	162	9.30	24.9 +- .0	18.1 +- .0
019	172	5.00	25.9 +- .2	18.8 +- .2
020	334	5.80	20.8 +- .1	15.1 +- .1

TROJAN

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820325-820726 124 DAYS
FIELD TIME 820403-820717 106 DAYS

NRC STATION	LOCATION AZIMUTH (deg.)	DIST (mi.)	GROSS EXPOSURE(mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
021	345	5.50	22.6 +- .3	16.4 +- .2
022	356	5.50	21.6 +- .1	15.7 +- .1
023	8	3.90	21.5 +- .2	15.6 +- .1
024	15	3.70	20.8 +- .3	15.1 +- .2
025	27	1.90	22.3 +- .2	16.2 +- .2
026	37	2.10	24.0 +- .5	17.4 +- .4
027	60	2.90	23.9 +- .2	17.3 +- .1
028	55	4.50	21.9 +- .8	15.9 +- .5
029	69	1.60	21.8 +- .8	15.9 +- .6
030	83	3.90	20.0 +- .2	14.5 +- .1
031	93	2.65	25.7 +- .7	18.7 +- .5
032	119	2.20	25.0 +- .3	18.1 +- .2
033	106	5.30	22.6 +- 1.1	16.4 +- .8
034	134	2.50	20.0 +- .1	14.5 +- .1
035	145	4.70	21.5 +- .1	15.6 +- .1
036	270	17.4	26.7 +- .2	19.3 +- .1
037	270	17.4	26.5 +- .8	19.2 +- .5
038	270	17.4	26.1 +- .1	18.9 +- .1

KOJAN
FOR THE PERIOD 820325-820726 124 DAYS

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
348.75-11.25 (N)	15.7 +- .0	2
11.25-33.75 (NNE)	15.6 +- .8	2
33.75-56.25 (NE)	16.6 +- 1.1	2
56.25-78.75 (ENE)	16.6 +- 1.1	2
78.75-101.25 (E)	16.6 +- 3.0	2
101.25-123.75(ESE)	17.3 +- 1.2	2
123.75-146.25(SE)	15.1 +- .8	2
146.25-168.75(SSE)	17.0 +- 1.5	2
168.75-191.25(S)	17.4 +- 1.9	2
191.25-213.75(SSW)	15.0 +- 2.7	2
213.75-236.25(SW)	18.6 +- .7	2
236.25-258.75(WSW)	20.7 +- 0.0	1
258.75-281.25(W)	14.2 +- .9	3
281.25-303.75(WNW)	0.0 +- 0.0	0
303.75-326.25(NW)	15.6 +- 3.5	2
326.25-348.75(NNW)	13.1 +- 2.2	6

DISTANCE(mi) FROM THE REACTOR	AVER.EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
0-2	15.0 +- 3.0	12
2-5	16.3 +- 1.5	17
>5	16.3 +- 1.1	5
UPWIND CONTROL DATA	19.2 +- .2	3

TURKEY POINT

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820323-820709 109 DAYS
FIELD TIME 820403-820701 90 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
050	CTL	TLD	11.6 +- .1	9.6 +- .1
001	310	1.30	11.3 +- 1.2	9.4 +- 1.0
002	292	2.40	15.0 +- .1	12.4 +- .1
003	340	1.90	16.1 +- 1.1	13.3 +- .9
004	354	2.00	11.0 +- .7	9.1 +- .6
005	314	3.80	15.1 +- .1	12.4 +- .1
008	263	5.10	10.3 +- .3	8.5 +- .3
009	242	5.70	10.6 +- .3	8.8 +- .3
010	234	6.20	11.7 +- .4	9.7 +- .4
011	220	6.20	15.7 +- .4	12.9 +- .3
012	213	6.90	15.2 +- .3	12.6 +- .2
013	199	10.1	15.2 +- .6	12.5 +- .5
015	180	10.4	17.2 +- .1	14.2 +- .1
016	171	10.3	17.6 +- .4	14.5 +- .3
017	165	9.00	16.5 +- .4	13.6 +- .3
018	203	16.3	15.3 +- .1	12.6 +- .1
019	203	16.2	14.3 +- .9	11.8 +- .8
020	203	16.2	16.9 +- .3	14.0 +- .3
023	275	9.00	16.1 +- .2	13.3 +- .1
024	285	9.00	18.4 +- 1.0	15.2 +- .8

TURKEY POINT

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820323-820709 109 DAYS
FIELD TIME 820403-820701 90 DAYS

NRC STATION	LOCATION AZIMUTH (deg.)	LOCATION DIST (mi.)	GROSS EXPOSURE(mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
025	293	8.70	16.6 +- .0	13.7 +- .0
026	301	8.40	18.0 +- .8	14.8 +- .7
027	311	8.30	15.7 +- .4	12.9 +- .4
028	327	8.20	16.6 +- .2	13.7 +- .1
029	339	9.30	16.2 +- .6	13.4 +- .5
030	350	8.70	13.6 +- .1	11.2 +- .1
031	359	9.90	16.8 +- 1.4	13.9 +- 1.2
032	2	18.3	17.1 +- .2	14.1 +- .2
033	12	21.8	15.9 +- .4	13.2 +- .3
034	18	24.0	18.8 +- .2	15.5 +- .2
035	28	22.0	14.2 +- .1	11.7 +- .0
036	15	0.30	17.1 +- 1.1	14.1 +- .9
037	228	0.50	15.8 +- .3	13.0 +- .3

TURKEY POINT
FOR THE PERIOD 820323-820709 109 DAYS

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
348.75-11.25 (N)	12.1 +- 2.4	4
11.25-33.75 (NNE)	13.6 +- 1.6	4
33.75-56.25 (NE)	0.0 +- 0.0	0
56.25-78.75 (ENE)	0.0 +- 0.0	0
78.75-101.25 (E)	0.0 +- 0.0	0
101.25-123.75(ESE)	0.0 +- 0.0	0
123.75-146.25(SE)	0.0 +- 0.0	0
146.25-168.75(SSE)	13.6 +- 0.0	1
168.75-191.25(S)	14.3 +- .2	2
191.25-213.75(SSW)	12.5 +- .0	2
213.75-236.25(SW)	11.9 +- 1.9	3
236.25-258.75(WSW)	8.8 +- 0.0	1
258.75-281.25(W)	10.9 +- 3.4	2
281.25-303.75(WNW)	14.0 +- 1.3	4
303.75-326.25(NW)	11.6 +- 1.9	3
326.25-348.75(NNW)	13.4 +- .2	3

DISTANCE(mi) FROM THE REACTOR	AVER.EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
0-2	11.8 +- 2.4	5
2-5	12.4 +- .0	2
>5	12.9 +- 1.9	22
UPWIND CONTROL DATA	12.8 +- 1.1	3

VERMONT YANKEE

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820325-820726 124 DAYS
FIELD TIME 820409-820706 89 DAYS

NRC STATION	LOCATION AZIMUTH (deg.)	DIST (mi.)	GROSS EXPOSURE (mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
050	CTL	TLD	13.6 +- 1.0	9.9 +- .8
001	142	1.20	22.5 +- .1	16.3 +- .0
002	158	1.00	26.0 +- .1	18.9 +- .0
003	184	1.30	26.9 +- .4	19.5 +- .3
004	201	1.40	26.1 +- .2	18.9 +- .2
005	220	1.60	25.5 +- .7	18.5 +- .5
006	157	3.40	27.0 +- 1.2	19.6 +- .8
007	189	4.90	27.3 +- .3	19.8 +- .2
008	201	13.5	25.9 +- .6	18.8 +- .4
009	208	5.80	26.0 +- .4	18.8 +- .3
010	232	3.70	27.9 +- .5	20.3 +- .3
011	277	2.90	26.2 +- .6	19.0 +- .5
012	292	1.40	29.0 +- .8	21.1 +- .6
013	314	1.40	25.9 +- .7	18.8 +- .5
014	310	4.20	25.4 +- 1.5	18.4 +- 1.1
017	331	5.00	26.6 +- .4	19.3 +- .3
018	290	18.8	29.5 +- .3	21.4 +- .2
019	290	18.8	29.4 +- .6	21.3 +- .5
020	290	18.8	28.9 +- .3	21.0 +- .2
021	359	3.20	25.6 +- .8	18.6 +- .6

VERMONY YANKEE

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820325-820726 124 DAYS
FIELD TIME 820409-820706 89 DAYS

NRC STATION	LOCATION AZIMUTH (deg.)	DIST (mi.)	GROSS EXPOSURE(mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
023	334	2.20	25.9 +- 1.3	18.8 +- 1.0
024	4	0.90	26.9 +- .9	19.5 +- .7
025	30	1.00	25.5 +- .7	18.5 +- .5
026	72	1.50	23.4 +- .2	17.0 +- .2
027	44	0.70	27.4 +- .1	19.9 +- .1
028	39	2.80	28.5 +- .3	20.7 +- .2
029	25	3.80	29.2 +- .1	21.2 +- .1
030	72	2.70	29.2 +- .8	21.2 +- .6
031	85	2.00	28.3 +- .5	20.5 +- .4
032	111	1.80	26.0 +- .8	18.9 +- .6
033	134	4.00	25.4 +- .7	18.4 +- .5
034	151	6.00	24.4 +- .4	17.7 +- .3
035	111	4.30	29.3 +- .4	21.3 +- .3
036	92	4.70	30.2 +- .3	21.9 +- .2
039	222	0.30	30.5 +- .6	22.1 +- .4
040	250	3.00	28.2 +- .8	20.5 +- .6

VERMONT YANKEE
FOR THE PERIOD 820325-820726 124 DAYS

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
348.75-11.25 (N)	19.1 +- .7	2
11.25-33.75 (NNE)	19.8 +- 1.9	2
33.75-56.25 (NE)	20.3 +- .6	2
56.25-78.75 (ENE)	19.1 +- 2.9	2
78.75-101.25 (E)	21.2 +- 1.0	2
101.25-123.75(ESE	20.1 +- 1.7	2
123.75-146.25(SE)	17.4 +- 1.5	2
146.25-168.75(SSE)	18.7 +- .9	3
168.75-191.25(S)	19.7 +- .2	2
191.25-213.75(SSW)	18.9 +- .1	3
213.75-236.25(SW)	20.3 +- 1.0	3
236.25-258.75(WSW)	20.5 +- 0.0	1
258.75-281.25(W)	19.0 +- 0.0	1
281.25-303.75(WNW)	21.1 +- 0.0	1
303.75-326.25(NW)	18.6 +- .3	2
326.25-348.75(NNW)	19.1 +- .4	2

DISTANCE(mi) FROM THE REACTOR	AVER.EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
0-2	19.2 +- 1.5	14
2-5	19.9 +- 1.2	15
>5	18.5 +- .6	3
UPWIND CONTROL DATA	21.3 +- .2	3

WASHINGTON NUCLEAR 2

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820325-820720 118 DAYS
FIELD TIME 820402-820708 98 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
001	174	12.0	21.4 +- .6	16.3 +- .5
002	163	11.0	22.2 +- .1	16.9 +- .0
003	161	9.00	19.5 +- .4	14.9 +- .3
004	152	5.00	21.5 +- .1	16.4 +- .1
005	195	2.00	20.9 +- .1	16.0 +- .1
006	220	1.50	21.5 +- .4	16.4 +- .3
007	92	3.00	22.2 +- .5	16.9 +- .4
008	155	1.00	20.3 +- .2	15.5 +- .2
009	130	0.50	20.7 +- .5	15.8 +- .4
010	70	0.50	21.7 +- .2	16.5 +- .1
011	25	0.75	20.8 +- .3	15.9 +- .3
012	315	0.50	22.1 +- .7	16.9 +- .5
013	290	0.50	21.2 +- .1	16.2 +- .1
014	270	0.50	20.4 +- .4	15.5 +- .3
015	245	1.75	21.0 +- .2	16.0 +- .1
016	285	3.00	21.7 +- .7	16.6 +- .6
017	240	4.00	20.5 +- .9	15.6 +- .7
018	198	7.00	20.2 +- .1	15.4 +- .0
019	173	8.50	21.2 +- .1	16.1 +- .1
020	150	20.0	21.3 +- 1.4	16.3 +- 1.0

WASHINGTON NUCLEAR 2

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820325-820720 118 DAYS
FIELD TIME 820402-820708 98 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
021	114	7.00	23.1 +- .8	17.6 +- .6
022	120	8.00	20.4 +- .4	15.6 +- .3
023	134	6.00	22.4 +- .1	17.1 +- .1
025	85	5.00	20.7 +- .6	15.8 +- .5
026	65	5.00	24.1 +- .3	18.4 +- .2
027	53	4.00	20.8 +- 1.0	15.9 +- .8
028	44	8.00	22.6 +- 1.1	17.2 +- .8
029	33	10.0	20.1 +- .2	15.3 +- .1
030	8	9.50	22.5 +- 1.2	17.1 +- .9
031	215	15.0	20.7 +- .9	15.8 +- .7

WASHINGTON NUCLEAR 2
FOR THE PERIOD 820325-820720 118 DAYS

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
348.75-11.25 (N)	17.1 +- 0.0	1
11.25-33.75 (NNE)	15.6 +- .4	2
33.75-56.25 (NE)	16.5 +- .9	2
56.25-78.75 (ENE)	17.5 +- 1.3	2
78.75-101.25 (E)	16.3 +- .8	2
101.25-123.75(ESE)	16.6 +- 1.5	2
123.75-146.25(SE)	16.4 +- .9	2
146.25-168.75(SSE)	16.0 +- .8	5
168.75-191.25(S)	16.1 +- 0.0	1
191.25-213.75(SSW)	15.7 +- .4	2
213.75-236.25(SW)	16.4 +- 0.0	1
236.25-258.75(WSW)	15.8 +- .3	2
258.75-281.25(W)	15.5 +- 0.0	1
281.25-303.75(WNW)	16.4 +- .3	2
303.75-326.25(NW)	16.9 +- 0.0	1
326.25-348.75(NNW)	0.0 +- 0.0	0

DISTANCE(mi) FROM THE REACTOR	AVER.EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
0-2	16.1 +- .4	10
2-5	16.5 +- 1.0	7
>5	16.3 +- .9	11
UPWIND CONTROL DATA	16.0 +- .4	2

WATTS BAR

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820325-820716 114 DAYS
FIELD TIME 820401-820713 104 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
050	CTL	TLD	13.3 +- .2	10.5 +- .2
001	337	0.90	25.7 +- .2	20.3 +- .2
002	314	2.10	24.5 +- .4	19.4 +- .3
003	297	1.90	24.9 +- .1	19.6 +- .0
004	272	2.00	23.2 +- .2	18.3 +- .1
005	251	1.90	28.1 +- .4	22.2 +- .3
006	235	1.80	27.5 +- .6	21.7 +- .5
007	230	3.80	27.8 +- 1.4	22.0 +- 1.1
008	208	3.60	25.8 +- .1	20.4 +- .1
009	249	4.20	22.3 +- .3	17.6 +- .3
010	266	3.10	24.3 +- .3	19.2 +- .3
011	289	3.30	22.2 +- .6	17.5 +- .5
012	310	4.70	24.0 +- .7	18.9 +- .5
013	337	3.60	20.4 +- .5	16.1 +- .4
014	330	7.00	22.0 +- .1	17.3 +- .0
015	350	4.70	25.9 +- .3	20.4 +- .2
016	7	1.10	27.3 +- .7	21.6 +- .6
018	41	2.30	22.6 +- 1.1	17.8 +- .9
019	69	1.30	25.6 +- .5	20.2 +- .4
020	89	1.20	29.5 +- .2	23.3 +- .1

WATTS BAR

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820325-820716 114 DAYS
FIELD TIME 820401-820713 104 DAYS

NRC STATION	LOCATION AZIMUTH (deg.)	LOCATION DIST (mi.)	GROSS EXPOSURE (mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
022	141	1.00	29.1 +- .4	23.0 +- .3
023	163	1.10	31.9 +- .0	25.2 +- .0
024	187	1.10	24.4 +- .3	19.2 +- .3
025	203	1.20	26.3 +- .6	20.7 +- .5
026	184	5.90	24.2 +- .5	19.1 +- .4
027	176	4.50	25.3 +- .8	20.0 +- .7
028	161	3.50	23.5 +- .4	18.5 +- .3
029	144	3.00	24.8 +- .5	19.6 +- .4
030	117	3.10	23.9 +- .5	18.9 +- .4
031	97	4.00	23.5 +- .3	18.6 +- .2
032	76	4.10	22.4 +- 1.6	17.7 +- 1.3
033	32	4.10	24.9 +- .6	19.6 +- .4
034	36	4.70	20.9 +- .1	16.5 +- .1
035	338	18.8	21.9 +- .4	17.3 +- .3
036	338	18.8	21.1 +- 1.4	16.7 +- 1.1
037	338	18.8	25.2 +- .3	19.9 +- .2

WATTS BAR
FOR THE PERIOD 820325-820716 114 DAYS

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
348.75-11.25 (N)	21.0 +- .8	2
11.25-33.75 (NNE)	19.6 +- 0.0	1
33.75-56.25 (NE)	17.2 +- .9	2
56.25-78.75 (ENE)	18.9 +- 1.8	2
78.75-101.25 (E)	20.9 +- 3.3	2
101.25-123.75(ESE)	18.9 +- 0.0	1
123.75-146.25(SE)	21.3 +- 2.4	2
146.25-168.75(SSE)	21.9 +- 4.7	2
168.75-191.25(S)	19.4 +- .4	3
191.25-213.75(SSW)	20.6 +- .2	2
213.75-236.25(SW)	21.8 +- .2	2
236.25-258.75(WSW)	19.9 +- 3.3	2
258.75-281.25(W)	18.7 +- .6	2
281.25-303.75(WNW)	18.6 +- 1.5	2
303.75-326.25(NW)	19.1 +- .3	2
326.25-348.75(NNW)	17.9 +- 2.1	3

DISTANCE(mi) FROM THE REACTOR	AVER.EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
0-2	21.3 +- 1.9	12
2-5	18.8 +- 1.5	18
>5	18.2 +- 1.3	2
UPWIND CONTROL DATA	18.0 +- 1.7	3

YANKEE ROWE

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820324-820712 111 DAYS
FIELD TIME 820408-820707 91 DAYS

NRC STATION	LOCATION AZIMUTH (deg.)	LOCATION DIST (mi.)	GROSS EXPOSURE(mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
001	0	0.81	19.4 +- .5	15.7 +- .4
005	85	2.20	16.7 +- .5	13.6 +- .4
007	137	2.10	18.6 +- .3	15.1 +- .2
008	153	1.70	17.7 +- .4	14.4 +- .3
009	176	1.10	16.6 +- .4	13.4 +- .3
010	203	0.50	18.2 +- .2	14.8 +- .2
011	219	0.60	18.5 +- .2	15.0 +- .2
013	272	1.80	17.9 +- 1.1	14.5 +- .9
014	292	1.30	19.3 +- .1	15.7 +- .1
015	315	1.60	19.9 +- .5	16.1 +- .4
016	348	1.40	19.1 +- .1	15.5 +- .1
017	352	2.80	23.7 +- 1.2	19.2 +- 1.0
018	21	2.80	16.6 +- .6	13.4 +- .5
019	43	5.80	18.1 +- .1	14.7 +- .1
020	75	6.00	17.3 +- .2	14.1 +- .1
021	98	6.00	16.5 +- .1	13.4 +- .1
022	104	5.20	15.2 +- .8	12.4 +- .7
024	157	7.50	16.0 +- .1	13.0 +- .1
025	184	6.30	17.6 +- .2	14.3 +- .1
027	225	5.90	20.0 +- .1	16.2 +- .1

YANKEE ROWE

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820324-820712 111 DAYS
FIELD TIME 820408-820707 91 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
029	269	3.50	18.3 +- .4	14.8 +- .3
032	342	3.30	18.4 +- .3	14.9 +- .3
034	48	7.25	19.1 +- .5	15.5 +- .4
035	39	2.25	17.2 +- .3	13.9 +- .2
047	260	9.60	18.8 +- .7	15.3 +- .6
048	261	9.00	20.6 +- .3	16.7 +- .2
050	CTL	TLD	9.3 +- .1	7.5 +- .1

YANKEE ROWE
FOR THE PERIOD 820324-820712 111 DAYS

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
348.75-11.25 (N)	17.5 +- 2.5	2
11.25-33.75 (NNE)	13.4 +- 0.0	1
33.75-56.25 (NE)	14.7 +- .8	3
56.25-78.75 (ENE)	14.1 +- 0.0	1
78.75-101.25 (E)	13.5 +- .1	2
101.25-123.75(ESE)	12.4 +- 0.0	1
123.75-146.25(SE)	15.1 +- 0.0	1
146.25-168.75(SSE)	13.7 +- 1.0	2
168.75-191.25(S)	13.9 +- .6	2
191.25-213.75(SSW)	14.8 +- 0.0	1
213.75-236.25(SW)	15.6 +- .9	2
236.25-258.75(WSW)	0.0 +- 0.0	0
258.75-281.25(W)	14.7 +- .2	2
281.25-303.75(WNW)	15.7 +- 0.0	1
303.75-326.25(NW)	16.1 +- 0.0	1
326.25-348.75(NNW)	15.2 +- .4	2

DISTANCE(mi) FROM THE REACTOR	AVER.EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
0-2	15.0 +- .8	9
2-5	15.0 +- 2.0	7
>5	14.2 +- 1.3	8
UPWIND CONTROL DATA	16.0 +- 1.0	2

ZIMMER

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820323-820726 126 DAYS
FIELD TIME 820329-820712 106 DAYS

NRC STATION	LOCATION AZIMUTH (deg.)	LOCATION DIST (mi.)	GROSS EXPOSURE(mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
001	182	0.40	28.3 +- 1.2	20.2 +- .9
002	150	1.00	28.6 +- .9	20.4 +- .7
003	133	1.10	28.1 +- .7	20.1 +- .5
004	106	2.10	30.2 +- .1	21.5 +- .1
005	82	2.90	29.2 +- .2	20.8 +- .1
006	91	4.40	24.4 +- .3	17.4 +- .2
007	106	7.30	24.8 +- .9	17.7 +- .7
008	135	6.60	23.8 +- .9	17.0 +- .6
009	163	4.20	30.6 +- .5	21.8 +- .3
010	129	3.90	31.4 +- .1	22.4 +- .0
011	115	4.60	26.3 +- .9	18.8 +- .6
012	74	3.90	22.2 +- .4	15.8 +- .3
013	50	3.60	22.8 +- .5	16.3 +- .3
014	22	4.10	20.0 +- .6	14.3 +- .4
015	354	3.70	21.2 +- .4	15.1 +- .3
016	359	2.10	23.5 +- .8	16.8 +- .5
017	26	2.00	28.5 +- .2	20.4 +- .1
018	47	1.60	21.3 +- .8	15.2 +- .6
019	72	0.80	20.1 +- .2	14.4 +- .2
020	335	7.30	22.3 +- .2	15.9 +- .1

ZIMMER

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820323-820726 126 DAYS
FIELD TIME 820329-820712 106 DAYS

NRC STATION	LOCATION AZIMUTH (deg.)	DIST (mi.)	GROSS EXPOSURE(mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
021	332	4.00	23.0 +- .7	16.4 +- .5
022	335	1.80	29.1 +- .3	20.8 +- .2
023	310	2.10	28.1 +- .4	20.0 +- .3
024	286	1.90	29.1 +- .2	20.8 +- .1
025	276	1.40	25.5 +- .2	18.2 +- .2
026	247	0.90	30.7 +- .8	21.9 +- .6
027	218	1.10	19.8 +- .3	14.2 +- .2
028	200	1.90	20.9 +- .5	14.9 +- .4
029	191	4.50	28.2 +- .0	20.1 +- .0
030	212	4.40	28.9 +- .6	20.6 +- .4
031	229	4.10	27.6 +- .4	19.7 +- .3
032	248	3.50	28.4 +- .2	20.3 +- .1
033	270	3.70	29.0 +- .5	20.7 +- .4
034	292	4.50	28.7 +- .3	20.5 +- .2
035	317	4.60	29.7 +- .3	21.2 +- .2
036	106	19.5	25.5 +- .2	18.2 +- .1
037	107	20.0	29.3 +- 1.0	21.0 +- .7
038	107	20.0	31.0 +- .3	22.1 +- .2
050	CTL	TLD	14.9 +- 1.1	10.6 +- .8

ZIMMER
FOR THE PERIOD 820323-820726 126 DAYS

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
348.75-11.25 (N)	16.0 +- 1.2	2
11.25-33.75 (NNE)	17.3 +- 4.3	2
33.75-56.25 (NE)	15.? +- .8	2
56.25-78.75 (ENE)	15.1 +- 1.0	2
78.75-101.25 (E)	19.1 +- 2.4	2
101.25-123.75(ESE)	19.3 +- 2.0	3
123.75-146.25(SE)	19.8 +- 2.7	3
146.25-168.75(SSE)	21.1 +- 1.0	2
168.75-191.25(S)	20.2 +- .1	2
191.25-213.75(SSW)	17.8 +- 4.0	2
213.75-236.25(SW)	17.0 +- 3.9	2
236.25-258.75(WSW)	21.1 +- 1.2	2
258.75-281.25(W)	19.5 +- 1.8	2
281.25-303.75(WNW)	20.6 +- .2	2
303.75-326.25(NW)	20.6 +- .8	2
326.25-348.75(NNW)	17.? +- 2.?	3

DISTANCE(mi) FROM THE REACTOR	AVER.EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
0-2	18.4 +- 2.9	12
2-5	19.0 +- 2.5	20
>5	16.9 +- .9	3
UPWIND CONTROL DATA	20.4 +- 2.0	3

ZION

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820322-820726 127 DAYS
FIELD TIME 820329-820719 113 DAYS

NRC STATION	LOCATION AZIMUTH (deg.)	DIST (mi.)	GROSS EXPOSURE (mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
050	CTL	TLD	15.9 +- .2	11.3 +- .2
001	287	1.00	19.8 +- .2	14.1 +- .1
002	192	1.00	23.5 +- .7	16.6 +- .5
003	187	1.50	18.6 +- .8	13.2 +- .6
004	227	2.40	25.2 +- .3	17.9 +- .2
005	257	1.80	26.1 +- .5	18.5 +- .3
006	264	1.20	23.4 +- .1	16.5 +- .0
007	287	1.60	25.0 +- 1.1	17.7 +- .8
008	320	1.80	22.2 +- .2	15.7 +- .2
009	343	2.60	23.2 +- 1.1	16.4 +- .8
010	356	4.50	22.3 +- .5	15.8 +- .3
011	337	4.50	23.8 +- .2	16.9 +- .2
012	310	4.00	26.4 +- .9	18.7 +- .7
013	293	3.50	27.6 +- .1	19.6 +- .1
014	280	4.50	25.2 +- .7	17.8 +- .5
015	239	3.20	26.8 +- .5	19.0 +- .4
016	227	3.50	26.4 +- .4	18.7 +- .3
017	210	4.50	24.3 +- .1	17.2 +- .1
018	206	2.80	23.0 +- .6	16.3 +- .4
020	197	14.7	27.4 +- .5	19.4 +- .4

ZION

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 820322-820726 127 DAYS
FIELD TIME 820329-820719 113 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.) (mi.)	GROSS EXPOSURE(mR) +- Std. Dev.	EXPOSURE RATE mR/Std.Qtr. +- Std. Dev.
021	352 7.90	23.1 +- .7	16.4 +- .5
023	336 8.50	22.7 +- .3	16.1 +- .2
024	314 5.80	24.7 +- .3	17.5 +- .2
025	220 6.30	24.8 +- .5	17.5 +- .4
026	195 8.00	22.4 +- 1.1	15.9 +- .8
028	197 14.7	28.2 +- 1.3	20.0 +- .9
030	320 9.80	21.9 +- .4	15.5 +- .3
031	229 8.00	23.9 +- .7	16.9 +- .5

ZION
FOR THE PERIOD 820322-820726 127 DAYS
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
348.75-11.25 (N)	16.1 +- .4	2
11.25-33.75 (NNE)	0.0 +- 0.0	0
33.75-56.25 (NE)	0.0 +- 0.0	0
56.25-78.75 (ENE)	0.0 +- 0.0	0
78.75-101.25 (E)	0.0 +- 0.0	0
101.25-123.75(ESE)	0.0 +- 0.0	0
123.75-146.25(SE)	0.0 +- 0.0	0
146.25-168.75(SSE)	0.0 +- 0.0	0
168.75-191.25(S)	13.2 +- 0.0	1
191.25-213.75(SSW)	16.5 +- .6	4
213.75-236.25(SW)	17.8 +- .8	4
236.25-258.75(WSW)	18.8 +- .4	2
258.75-281.25(W)	17.2 +- .9	2
281.25-303.75(WNW)	17.1 +- 2.8	3
303.75-326.25(NW)	16.9 +- 1.5	4
326.25-348.75(NNW)	16.5 +- .4	3

DISTANCE(mi) FROM THE REACTOR	AVER.EXPOSURE +- Std.Dev. (mR/Std.Qtr.)	# IN GROUP
0-2	16.0 +- 1.9	7
2-5	17.7 +- 1.2	11
>5	16.5 +- .8	7
UPWIND CONTROL DATA	19.7 +- .4	2

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This report provides the status and results of the NRC Thermoluminescent Dosimeter (TLD) Director Radiation Monitoring Network. It presents the radiation levels measured in the vicinity of NRC licensed facility sites throughout the country for the second quarter of 1982.

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