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NRC TLD Direct Radiation Monitoring Network

Progress Report
September-December 1983

U.S. Nuclear Regulatory Commission

NRC Region I

F. Costello, T. Thompson, L. Cohen, M. Taylor

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U.S. Nuclear Regulatory Commission
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ABSTRACT

This report presents the results of the NRC Direct Radiation Monitoring Network for the fourth quarter of 1983. It provides the ambient radiation levels measured in the vicinity of 72 sites throughout the United States. In addition, it describes the equipment used, monitoring station selection criteria, characterization of the dosimeter response, data processing methods, calibration procedures, statistical methods, and quality assurance program.

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SUMMARY

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

This report describes the program objectives, scope, and methodology of the monitoring program and presents the radiation levels measured during the fourth quarter of 1983. (Radiation level measurements are made at NRC licensed nuclear facilities under construction, as well as those in operation.) In addition, it describes the equipment used, data processing methods, monitoring station selection criteria, and quality assurance program.

All radiation measurements are made using small, passive detectors called thermoluminescent dosimeters (TLDs), which provide a quantitative measurement of the radiation levels in the area in which they are placed. The National Bureau of Standards (NBS) has been performing an independent study of the following characteristics of the NRC dosimetry system: energy response, angular dependence, temperature and humidity sensitivity, fading, light dependence, self-irradiation, and reproducibility. NBS has also tested the response of the NRC's dosimetry system against the requirements of ANSI N545-1975 and NRC Regulatory Guide 4.13. Details of this testing can be found in NUREG/CR-2560 and NUREG/CR-3120. Each site is monitored by arranging approximately 40 to 50 TLD stations in two concentric rings extending to about five miles from the facility. All TLD stations are outside the site boundary of the facility.

Appendix A presents the radiation levels measured around the 72 facilities monitored during the Network for the fourth quarter of 1983. There are 69 different sets of dosimeters because, in some instances, two power reactor facilities are monitored by the same set of dosimeters (e.g., Kewaunee and Point Beach). The radiation levels are presented as gross and net exposures. The gross exposure includes naturally occurring background radiation, radiation levels resulting from a facility's operation, and the exposure received during transport and storage of the TLD. Net exposures are obtained by subtracting an estimate of the exposure received by the dosimeter during transit from the gross exposures. All exposures are normalized to a 90-day quarter (standard quarter) and reported in units of milliroentgens (mR). Station numbers for which no data are reported include stations which have been deleted, stations for which the TLD was lost during the quarter, or stations for which the TLD was damaged. When control dosimeter data are unavailable, no net exposures are calculated.

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

The uncertainties are listed in the following format:

$X \pm S_x; U_x$

where X = value of the result
S_x = random uncertainty expressed as one standard deviation
U_x = combined total uncertainty

The second set of data summarizes the average net exposure measured in each of the 16 standard windrose sectors (see Table 1) around the facility, normalized to a standard quarter. The third set of data summarizes the average net exposure measured at three ranges of distances from the facility, normalized to a standard quarter. When average net exposures cannot be reported because of the unavailability of the site's control dosimeters, the average gross exposures, normalized to a standard quarter, are reported in these sets of data.

Table 2 lists all licensed facilities included in the Network as of December 31, 1983. A detailed list of the TLD station locations for each site in the NRC program as of December 31, 1983, is included in Appendix B. Each location is designated by a station number and is completely identified by windrose sector, azimuth and radial distance from the site, and physical description. Specific details of the physical location have been omitted to maintain the security of the stations.

This report is one of a continuing series of technical reports covering the results and experiences of the operation of the NRC TLD Direct Radiation Monitoring Network.

Table 1

Standard Windrose Sectors
Used in Selecting TLD Station Locations

Sector Name	Azimuth**
N*	348.75° - 11.25°
NNE	11.25° - 33.75°
NE	33.75° - 56.25°
ENE	56.25° - 78.75°
E	78.75° - 101.25°
ESE	101.25° - 123.75°
SE	123.75° - 146.25°
SSE	146.25° - 168.75°
S	168.75° - 191.25°
SSW	191.25° - 213.75°
SW	213.75° - 236.25°
WSW	236.25° - 258.75°
W	258.75° - 281.25°
WNW	281.25° - 303.75°
NW	303.75° - 326.25°
NNW	326.25° - 348.75°

* North (0° and 360°) is defined as True North.

** The principal airborne radioactivity release point (vent or stack) at each site is considered to be the center of a circle. The area of each circle is divided into 16 standard windrose sectors, each of 22.5° arc. These sectors are standardly used in the nuclear power industry to describe direction from a site.

Table 2

Sites Monitored During
Fourth Quarter, 1983

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

1. INTRODUCTION

The NRC TLD Direct Radiation Monitoring Network was established in August 1979 by the NRC Office of Inspection and Enforcement (IE) to measure ambient radiation levels around NRC licensed facilities and to provide the NRC staff with prompt, independent data in emergency response and assessments. The need for such a Network was identified during the experiences at Three Mile Island (TMI) and subsequent reviews. The Network is a cooperative effort between IE headquarters, NRC Regional Offices, and participating states. The operation of the program (consisting, in part, of processing badges, shipping and packaging, data processing, and reporting) is the responsibility of the Radiation Protection Branch, NRC Region I, in King of Prussia, Pennsylvania. At most sites the TLD badges are exchanged and placed in the field locations by state agencies participating under a cooperative agreement with the NRC. For sites located in nonparticipating states, the field work is performed by individuals under contract to NRC. The dosimeters are scheduled to be exchanged, shipped, and processed in Region I on a quarterly schedule. The program is further described in the TMI Action Plan, Item III.D.2.4(2), NUREG-0660, "Nuclear Action Plan Developed as a Result of the TMI-2 Accident."

After the Three Mile Island accident, the NRC determined that relying solely on licensee estimates of population exposure during accident situation was unacceptable. NRC decided to develop its own program to provide the data needed to independently assess the radiological impact of an accident. The principal objectives of this program are to:

(1) Assure uniform treatment of dosimeters with respect to handling, shipping, calibrating, reading, and data processing for all monitored facilities in the United States;

(2) Establish preoperational, baseline radiation dose levels, whenever possible, for each nuclear power reactor facility;

(3) Provide ongoing environmental radiation dosimetry data during routine operations;

(4) Provide post-accident estimates of population exposures;

(5) Allow for independent verification of the adequacy of NRC licensees' environmental radiation monitoring program; and

(6) Provide uniform, consistent environmental radiation monitoring data for use by the Congress, Federal and state agencies, the monitored facilities, and the public.

2. DOSIMETER SITE SELECTION CRITERIA

Since the variation in site characteristics is great, the staff endeavored to establish criteria that were as general as possible. The criteria have been used with great flexibility in the actual establishment of dosimetry stations in the field. In each case, site data were obtained from information supplied by licensees in their Preliminary and Final Safety Analysis Reports (PSARs and FSARs), U.S. Geological Survey (USGS) topographical maps, Aerial Monitoring System (AMS) data, and state and local maps. Figure 1 illustrates the placement of dosimeters around a typical site.

2.1 TLD Network Stations Within Five Miles of the Plant Site

Around each site, TLD network stations are distributed in two concentric rings outside the licensee owner-controlled property. In each ring, one TLD station is located in each appropriate standard windrose sector. These sectors are defined in Table 1 and are those standardly used in the nuclear power industry. Dosimeter stations are not placed in sectors that consist entirely of open water or in sectors that are unoccupied or inaccessible. The inner ring is located between the licensee owner-controlled boundary and an imaginary circle of two miles radius centered on the site airborne radioactivity release point. The remaining stations are five miles or more from the plant site, as discussed below. One station is located at the nearest residence to the site.

Within five miles, five stations are placed side by side with those of the licensee to allow for independent verification of the licensee's environmental radiation monitoring program.

2.2 TLD Network Stations Beyond Five Miles of the Plant Site

Beyond five miles from the boundary of the owner-controlled area, TLD stations are also established at major population centers and at places of high public interest not already covered by the stations described above. Three stations are also established in a predominantly upwind direction to serve as indication of the ambient radiation levels that are not expected to be influenced by plant operations.

2.3 Emergency TLD Placement

In addition to the locations monitored during normal reactor operations, additional dosimeters would be placed around the site in the event of an incident during which continued releases of radioactive material were expected. The number and locations of such dosimeters would be determined by the anticipated duration and severity of the releases as well as the meteorological conditions prevailing during the incident.

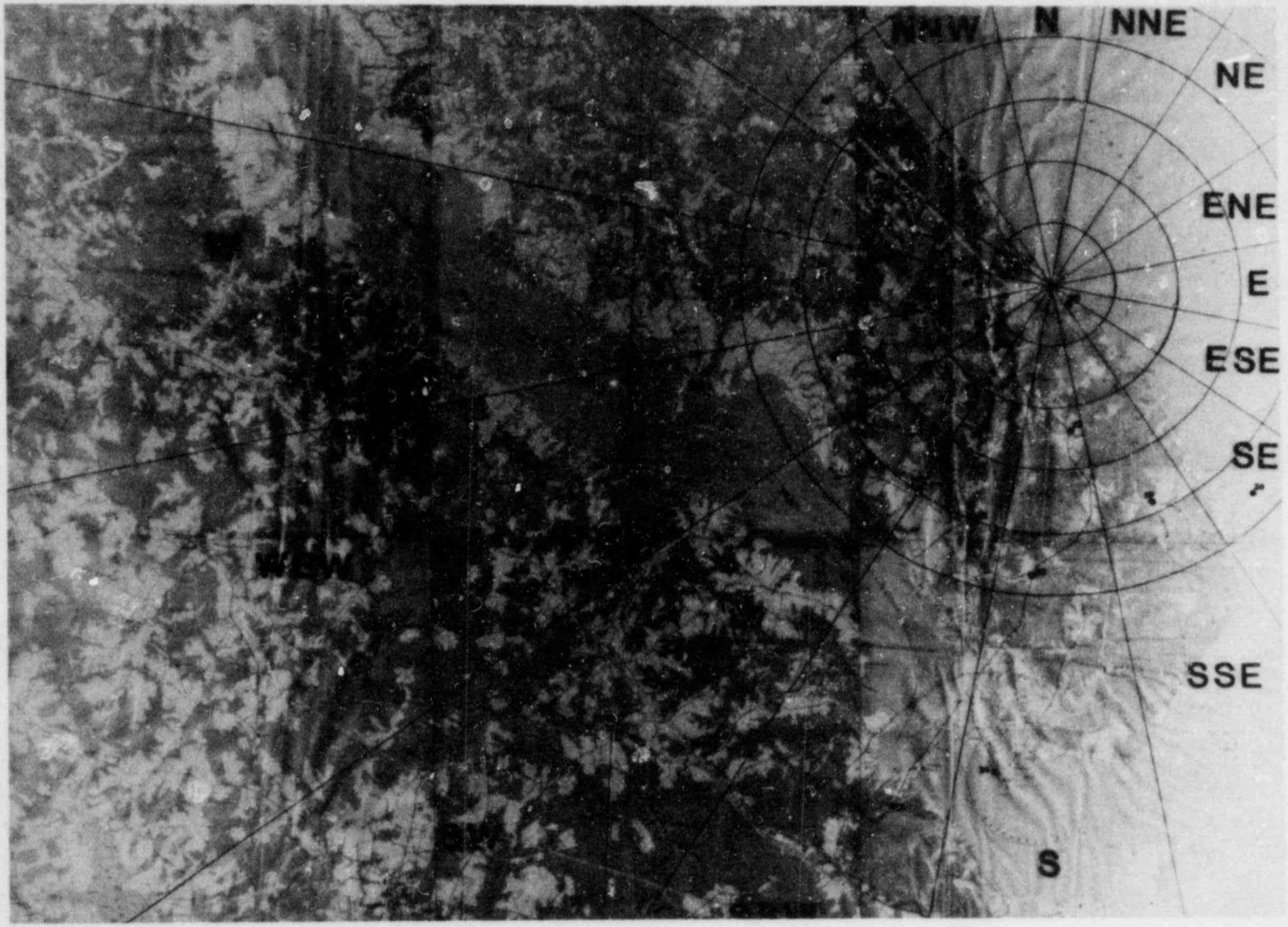

Figure 1 Illustration of Dosimeter Placement

3. EQUIPMENT AND GENERAL PROCEDURES

3.1 Dosimetry System

The NRC TLD program routinely employs the Panasonic* Model UD801 thermoluminescent dosimeter and Model UD 710A automatic dosimeter reader. A Panasonic Model UD 702E manual dosimeter reader is also available and may be taken to a site in the event of an incident which required the processing of dosimeters near the site. This dosimeter has four thermoluminescent elements to measure radiation exposure. It consists of two elements of natural lithium borate activated with copper ($Li_2B_4O_7$:Cu), and two elements of calcium sulfate activated with thulium ($CaSO_4$:Tm). One lithium borate element uses an "open" window of 14 mg/cm² to minimize attenuation of beta radiation; the other incorporates a 150 mg/cm² plastic filter.

Each of the two calcium sulfate elements in the badge is covered by a 700 mg/cm² lead filter to attenuate low-energy photon radiation in a manner that is intended to compensate for the over-response of calcium sulfate in this portion of the energy spectrum. The average response of the two calcium sulfate elements is used to determine exposure during routine operations. (See Figure 2.) The energy dependence of the calcium sulfate elements as determined by the National Bureau of Standards (NBS) is shown in Table 3. For further details of the NBS testing, see NUREG/CR-2560 and NUREG/CR-3120.

The automatic dosimeter reader consists of a badge transport and insertion mechanism, a heat source, a carbon-14 (C-14) activated reference light source, a light measurement system, and a microprocessor controller. Up to 500 TLD badges may be loaded into 10 magazines of the automatic sample changer that is attached to the reader, or single 50-badge magazines may be loaded manually. The magazine is automatically advanced to admit badges into the reading mechanism. In the mechanism, the dosimeter portion (card) of the badge is withdrawn from the holder. Each phosphor is then heated and its light output measured. When all four phosphors have been read, the card is inserted into the holder, the holder is lowered into the magazine, and the process is repeated for the next badge. (See Figure 3.) The manual dosimeter reader is similar in the reading process but dosimeters are manually inserted into the reader one at a time.

3.2 Field Container

The dosimeter for each station is placed in a moisture-resistant polyester pouch inside a polypropylene mesh cylindrical cartridge approximately 15 cm long and 5 cm in diameter. The thickness of the pouch is approximately 5.5 mg/cm². The cartridge is attached by wire or polyester straps to a relatively permanent structure, usually a utility pole. This container provides physical security with minimum attentuation of photon radiation. It is placed approximately three meters above the ground to minimize vandalism. Figure 4 shows a TLD field container.

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* Mention of a specific product in this report does not constitute an endorsement by the U.S. Nuclear Regulatory Commission.

3.3 Exchange Procedures

Prior to shipment, all dosimeters are calibrated by the NRC (Section 5) All dosimeters are then annealed at the NRC Region I office and packaged for shipment. The packages are then mailed to the contractors, usually representatives of the radiological health department of the state in which the reactor is situated. In some instances, the NRC has contracted with private individuals to exchange the dosimeters.

The contractors receive the packages, travel to the sites, and exchange the dosimeters with those of the previous quarter. The contractors have been provided lead casks in which they store the control dosimeters during the field period. At the end of the quarter, these control dosimeters are removed from the storage cask and returned by mail with the field dosimeters. The use of control dosimeters to estimate transit exposure is discussed in Section 6.

When returned to the NRC Region I office, the dosimeters are processed, using the automatic TLD reader. They are then recalibrated to establish the current response of the dosimeter and to check for dosimeter response variability.

Table 3

Calcium Sulfate Energy Response

Panasonic Model UD 801
Dosimeter Response Per Unit Exposure Relative to That
For Cesium-137 Gamma Radiation

Effective Energy (keV)	Average (Element 3 + Element 4) Response
38	0.39
70	0.80
117	0.54
167	0.70
210	0.79
662	1.00
1250	0.88

Conditions: Unidirectional beam of radiation.
Dosimeters mounted in Panasonic dosimeter hangers.

ANSI N545-1975 Specification:

Energy (keV)	Required Response
80-300	.80 - 1.20
<80	<2

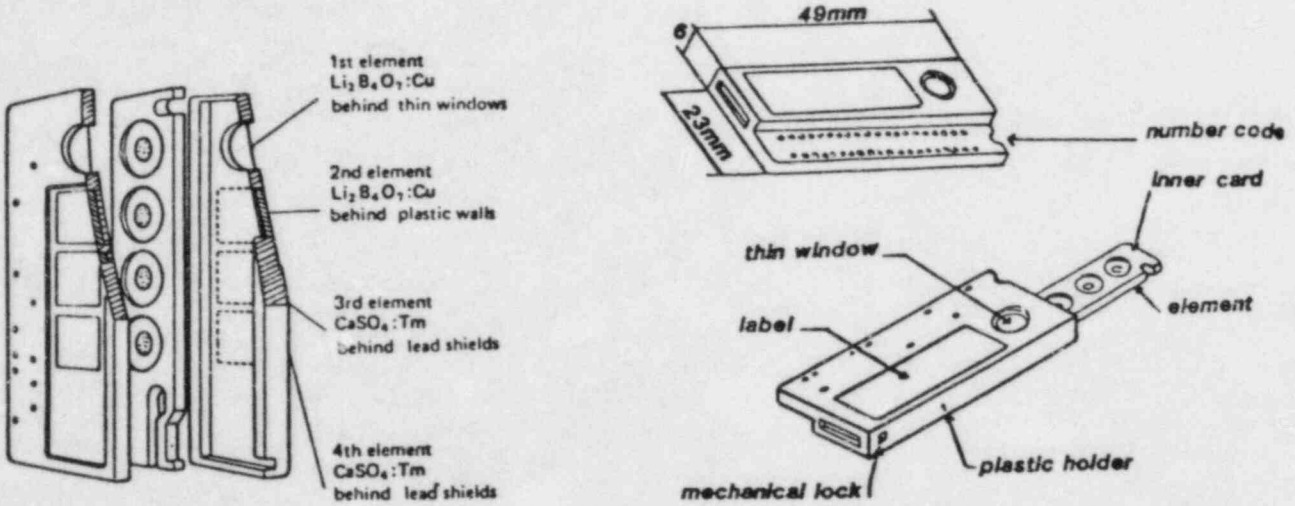


Figure 2 TLD Badge Construction

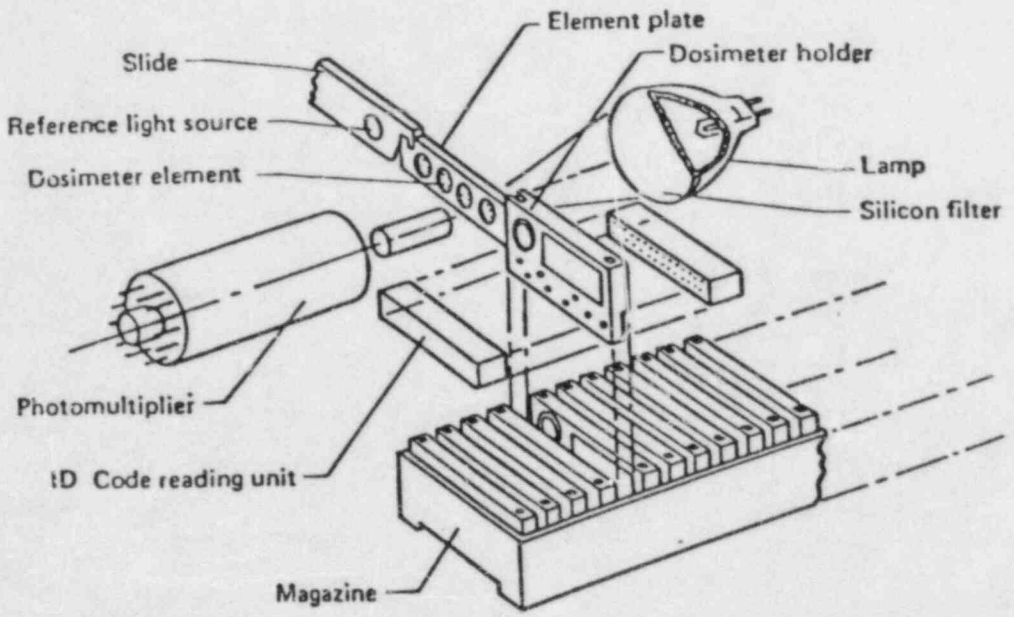


Figure 3 TLD Reader - Reading Method and Construction

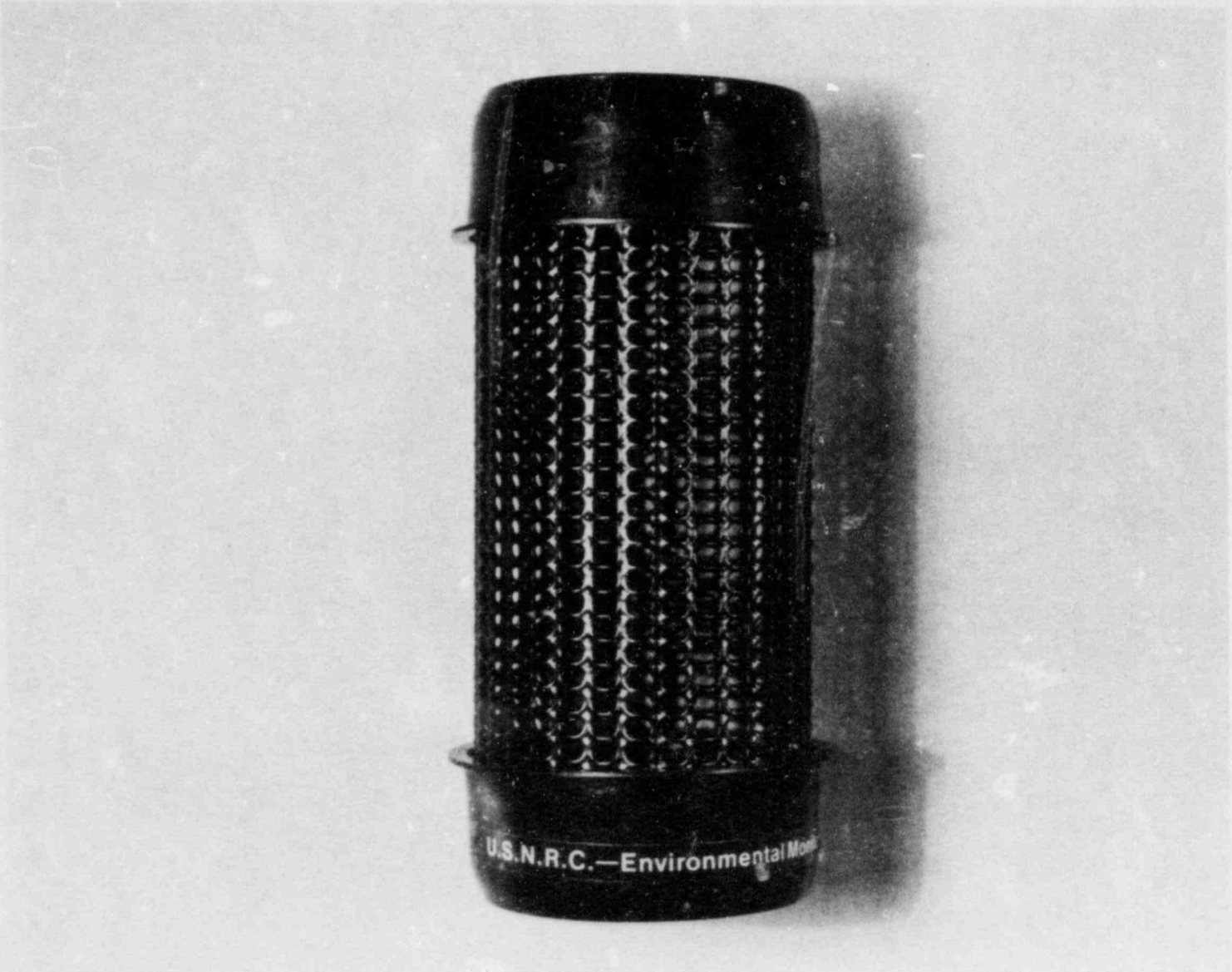


Figure 4 TLD Field Container

4. DATA PROCESSING

Because of the large amount of data which must be handled, use of microprocessing equipment is a necessity. Hewlett-Packard microcomputers were chosen to handle the data processing based on local service availability as well as industry experience in other Panasonic Reader - Hewlett-Packard interfacing. The software requirements of the NRC were significantly different in scope than those of most users and had to be fulfilled using a minimum number of person-hours due to staffing limitations. A decision was made to custom design a software package, using a vendor-supplied package as support, to perform the following tasks:

a. Tailor software to process large numbers of TLDs in batches on a quarterly basis.

b. Maximize computer checking of data for quality control and thus reduce operator review time.

c. Store historical data in a simplified structure to permit easy retrieval and manipulation.

d. Generate clear concise reports.

To accomplish these goals, the following specific objectives were established:

a. Establish communications between the Panasonic TLD reader and a microcomputer.

b. Quality control check and tape storage of incoming raw data stream.

c. Maintain a file of individual calibration factors for each element in each TLD badge.

d. Apply calibration factors and perform all other calculations on raw data to finish processing.

e. Perform edits of raw data, stored processed data, calibration factors.

f. Generate a complete report ready for publication.

4.1 Hardware

NRC's data processing is performed by using 3 basic pieces of equipment. Each component as well as the required interfaces are briefly described below.

a. Hewlett Packard 9845T: This microcomputer was fitted with the following options: Expanded to 830k bytes of usable read/write memory, optional I/O ROM 312, optional mass storage ROM 313, optional advanced programming ROM 314, and the enhanced graphics package. Three inter-

faces are used with this microcomputer. HP98036A serial I/O interface is connected to either the Panasonic reader or other computer. HP98034A HPIB interface is connected to a digitizer and a HP98041A is connected to a disc drive unit. The primary purposes of this microcomputer are data processing, data storage, and report writing.

b. Hewlett Packard Disc Drive 7906M: The mass storage device is a 20 megabyte capacity hard disc system. There is one permanently mounted disc of 10 megabyte capacity and one removable cartridge 10 megabyte disc.

c. Hewlett Packard 85: The standard HP85 was purchased with the following options: 16k memory module number 82903A, advanced programming ROM 15005, I/O ROM 15003, and a matrix ROM 15004. One interface HP 82939A opt. 001 was purchased for connection to the TLD reader or to the HP9845T. The primary function of this computer is to receive and check raw data lines transmitted from the Panasonic reader.

f. Interfaces: HP82939A is a serial interface used by NRC to set up communications between the HP85-Panasonic Reader or HP85-HP9845T. See figure 6 for pin connections between HP85 and the reader. See figure 5 for pin connections between HP85 and HP9845T. NRC's READ program contains the necessary statements to control interface register setup between HP85 and the reader. The basic language control statement is used to control registers. The register settings are listed in Table 6.4. HP98036A is another serial interface used for communications between the HP9845T and HP85. See figure 5 for pin connections diagram. The register settings for this communication are listed in Table 4 in the order which they are accomplished.

4.2 Software

Tables 5 and 6 and figures 7 and 8 describe and illustrate the files and programs used in the acquisition and processing of data and the preparation of quarterly reports. Further details on the software may be obtained by contacting the NRC Region I office.

4.3 Operational Experience and Future Developments

NRC has processed TLDs and issued reports using the current software for over one year.

It became apparent early in its use that certain operator control procedures were required to assure data acquisition and data reporting go smoothly. The minor problems which NRC has encountered were due to lack of sufficient control procedures, a problem which is now being remedied by procedure writing and operator training. Other proposed improvements in the NRC monitoring system are listed below:

1) Expand and improve data display by overlaying doses at monitoring stations around a nuclear facility onto a map.

2) Write software to analyze the data gathered for each nuclear facility and project expected doses for each quarter on a historical basis.

3) Write software to calculate any plant radiation contribution above background radiation levels using upwind control data.

4) Transfer all historical data to Hewlett Packard's data base management system to achieve its versatility in search and sort routines.

5) Simplify and reduce search time of the vendor modified software which stores and retrieves element calibration factors.

6) Write HP85 software to do emergency TLD reading, processing, and report writing on a limited scale at the site of an accident.

The NRC TLD system software has proven to perform its function well with a minimal consumption of person-hours. The present system requires one full-time and one half-time employee to perform all tasks other than physical placement of TLDs in the field and report duplication. It is estimated that all data quality control checking, processing, and report writing can be performed in two weeks each quarter.

RS-232 INTERFACE PIN CONNECTIONS

HEWLETT-PACKARD 9845T COMPUTER _____ HEWLETT-PACKARD 85 COMPUTER

Character Length = 7 bits

Baud Rate = 1200
Parity = even

HEWLETT-PACKARD 9845T RS-232 Pin Number		HEWLETT-PACKARD 85 RS-232 Pin Number
1	_____	1
2	_____	2
3	_____	3
4	_____	4
5	_____	5
6	_____	6
7	_____	7
8	_____	8
20	_____	20

_____ = pin connections

(Figure 5)

RS-232 INTERFACE PIN CONNECTIONS

HEWLETT-PACKARD 85 COMPUTER _____ PANASONIC 710A TLD READER

Character Length = 7 bits

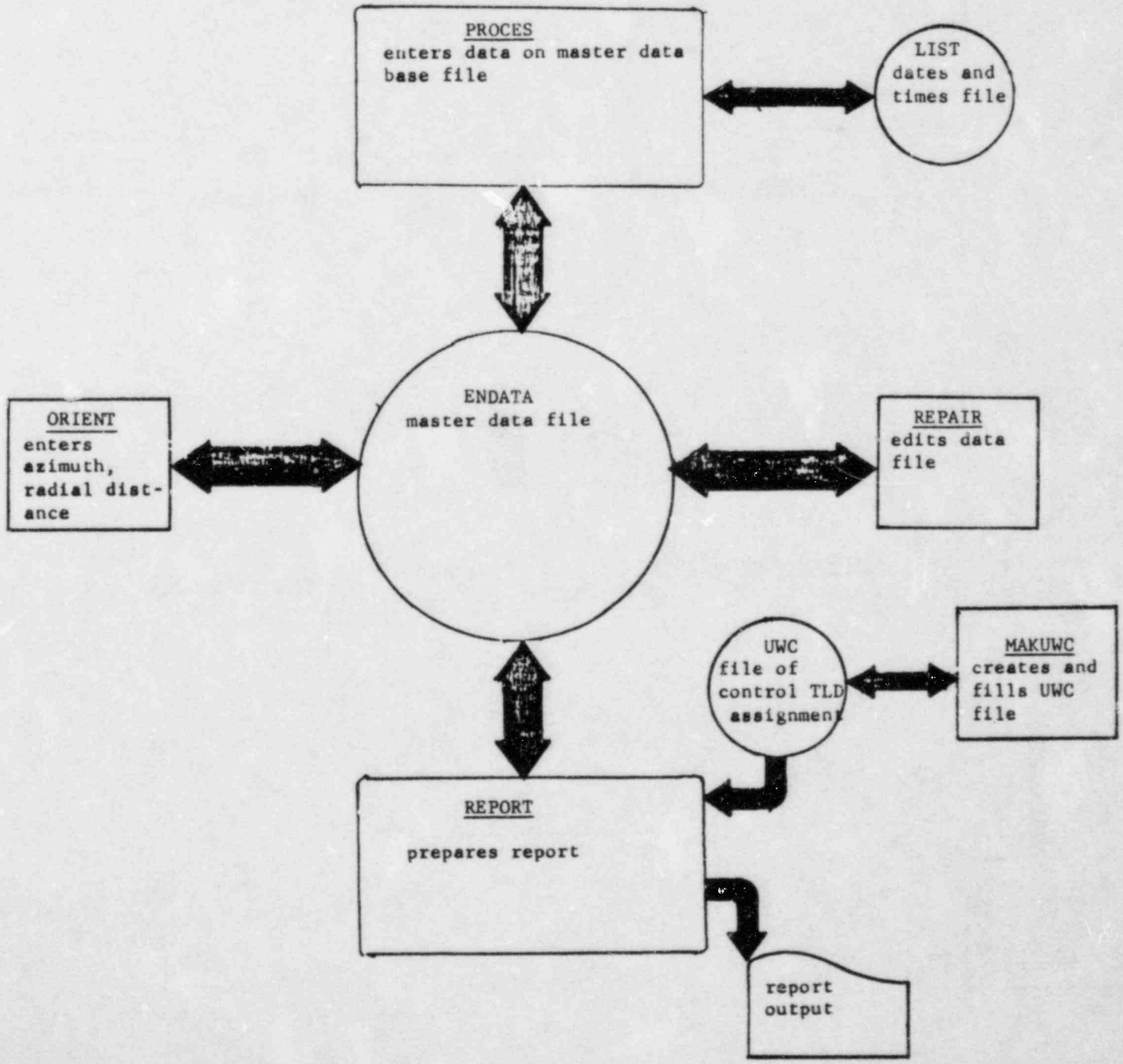
Baud Rate = 1200
Parity = even

HEWLETT-PACKARD 85 RS-232 Pin Number		PANASONIC 710A RS-232 Pin Number
1	_____	1
2	_____	3
3	_____	2
4	_____	5
5	_____	4
6	_____	20
7	_____	7
8	_____	8
20	_____	6

_____ = pin connections

(Figure 6)

Figure 7 HEWLETT PACKARD 9845T PROCESSING AND REPORT WRITING SOFTWARE



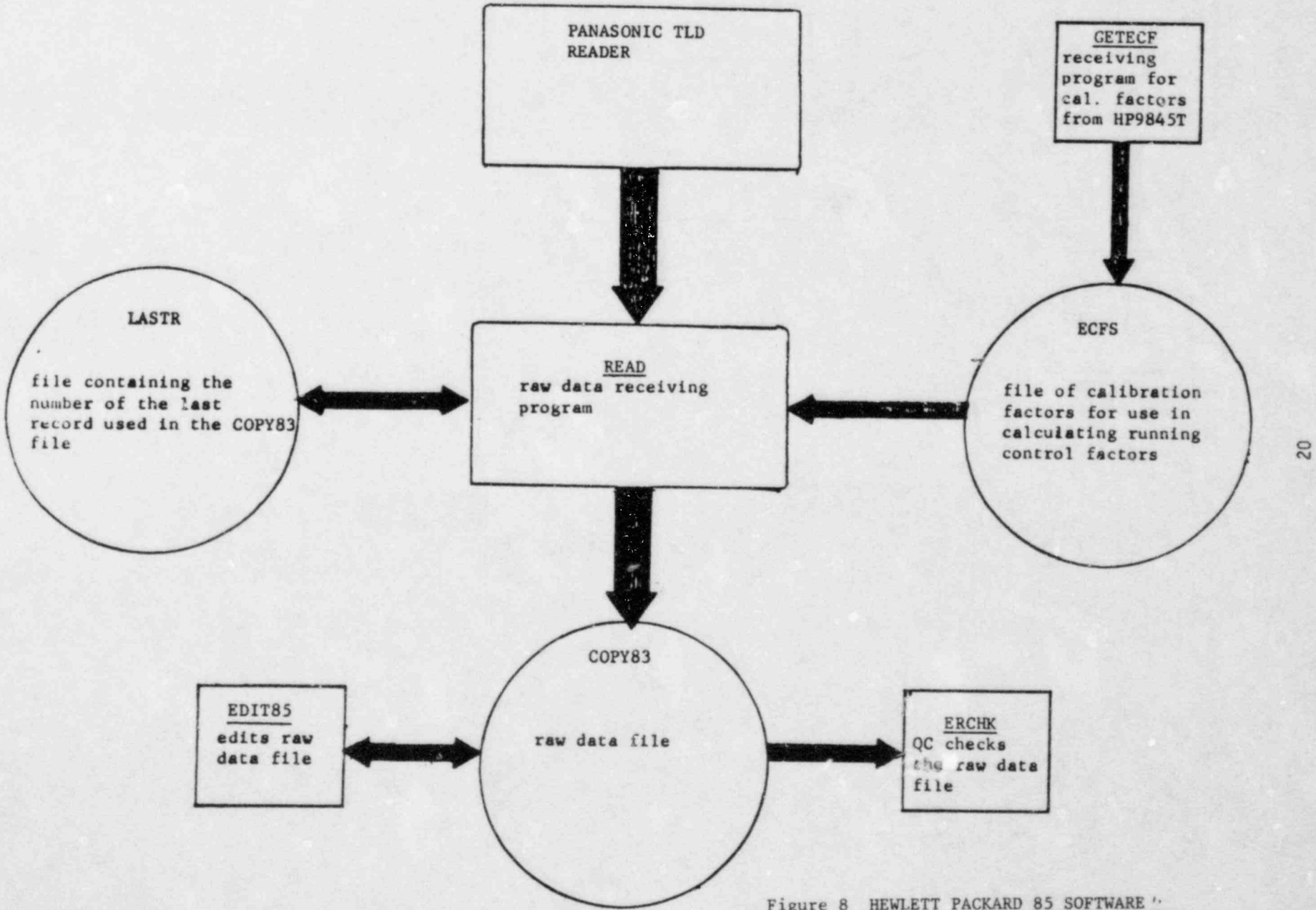


Figure 8 HEWLETT PACKARD 85 SOFTWARE

Table 4

Computer Interface Register Settings

a. Register settings for HP82939A serial interface between HP-85 and Panasonic 710 automatic TLD reader.

Register 2 - Request to send and data terminal ready bits are set.

Register 3 - Baud Rate is se to 1200.

Register 4 - Even Parity bits are set. Character length bit is set for a 7.

Register 16 - Auto request to send bit is set.

All other registers are set to their default values. These register settings apply to HP85-HP9845T communications as well.

b. Register settings for HP98036A serial interface between the HP9845T and HP85 computers.

Register 5 Out - Bit 0 is set to allow other registers to be changed.

Register 4 - Bit 4 is set to perform a reset of the interface status word.

Register 4 - Bit 6 is set to perform a reset of the integrated circuit in the interface (USART).

Register 4 - Bits 6, 5, 4, 3, 0 are set to establish a new mode word of 1 stop bit, even parity, character length of 7 bits and bit rate factor of 1 x bit rate clock (1200).

Register 4 - Bits 5, 2, 0 are set to enable transmitter-receiver and to set the request to send line.

Register 5 - no bits set enables interface to receive data.

Registers are now set to enable output of data to the HP85 using the basic language output statement.

Table 5

Files Listing

COPY83 - HP85 raw data file.

ECFS - HP85 element calibration file.

ENDATA - HP9845T main data base file.

ESCRAT - HP9845T temporary file to hold quality control checked data until processing.

LASTR - HP85 file holds information as to last record used on the "COPY83" file.

LIST - HP9845T file contains last TLD number-dates entered.

UWC - HP9845T file containing control TLD identification numbers and plant name.

Table 6

Program Listing

CAL85 - HP9845T program transfers element calibration factors to the HP85.

EDIT85 - HP85 program which permits editing of raw data file.

ERCHK - HP85 program which checks raw data file for errors.

GETECF - HP85 receiving program for element calibration factors from the HP9845T.

MAKUWC - HP9845T program which creates the "UWC" file for storage of controls and plant name.

PROCES - HP9845T program which processes the quality control checked data.

READ - HP85 program which communicates and receives data from the Panasonic 710A TLD reader.

REPAIR - HP9845T program for editing the "ENDATA" master file data.

REPORT - HP9845T program for generating a quarterly report.

ORIENT - HP 9845T program for entry of all azimuth and radial distances associated with TLD stations.

8545 - Modified Hewlett-Packard utility program designed to read HP85 tapes on the HP 9845T.

5. CALIBRATION

5.1 Facilities

Each element of each TLD badge is calibrated in the NRC irradiation facility at the end of each quarter of use. This facility contains a panoramic irradiator with a 120-cm diameter rotating table. The irradiator has a 120-millicurie cesium-137 gamma radiation source that delivers an approximate 2.5 mR/minute exposure rate at 50 cm from the source. The exposures received by the badges are monitored, using a 33cm^2 air ionization chamber and a Victoreen model #550 high-precision electrometer calibrated by and traceable to the National Bureau of Standards. The ionization chamber is placed directly over the TLD badges; the radiation field around the table is uniform within ±3%. The exposure period is controlled by the use of a timer accurate to within ±0.1 seconds. The exposure rate on the table is periodically confirmed by exposing dosimeters provided and read by the National Bureau of Standards.

5.2 Procedures for Calibrating Dosimeters

During each calibration, each TLD badge is exposed to approximately 50 mR. The irradiated badges are stored for 24 hours before reading to allow for the rapid fading of the low-temperature glow peak of the lithium borate elements. After the badges have been read, the ratio of recorded exposure to delivered exposure is calculated and recorded for each of the four elements of each dosimeter. These element calibration factors are subsequently used to modify the raw element readings to determine exposure. Furthermore, historical files of calibration factors are being maintained for each element of each dosimeter. (See section 4 of this report.) These records permit detection of changes or trends in element calibration factors which would indicate either dosimeter or reader variability.

6. ESTIMATION OF TRANSIT EXPOSURE

Field dosimeters receive exposure both while in transit to and from the placement contractor and while in storage at the contractor's facility, as well as while they are at their monitoring locations. To determine the field exposure, it is necessary to estimate this additional exposure, which is designated transit exposure.

Three control dosimeters are sent to each contractor to estimate the transit exposure. Control #1 remains unshielded, except when stored in the NRC-provided lead cask at the contractor's facility. This cask provides 2.75 inches of lead shielding. Control #2 remains shielded in a one-half inch thick lead shield, except when stored together with Control #1 in the lead cask during the monitoring period. Control #3 is used to indicate whether a significant exposure was received by the dosimeters while in transit from the NRC office in King of Prussia, Pennsylvania, to the contractors. It is shipped unshielded with the new batch of dosimeters to the contractor and returned shielded with the previous quarter's dosimeters in the one-half inch thick lead transit shield. If an unacceptably high transit exposure is detected by this dosimeter as a result of its shipment to the site, a new set of field dosimeters will be sent to the contractor for an early exchange.

The exposure to Control #1 is the sum of the transit exposure and the exposure received while in storage during the quarter. The exposure to Control #2 is the sum of the cosmic radiation component of the transit exposure, the fraction of the noncosmic transit exposure that penetrates the one-half inch thick lead shield, and the storage exposure. The transit exposure to the field dosimeters is estimated by taking the difference between the exposure measured by Control #1 and the exposure calculated to have been received by Control #1 while in storage in the contractor's lead cask. Therefore, to determine the transit exposure to the field dosimeters, it is necessary to estimate the exposure rate inside the lead cask at the contractor's facility. This exposure rate is essentially due only to the cosmic ray component of the local natural background radiation. An algorithm has been developed for estimating the exposure rate in the storage cask, based on the measured exposures to Controls #1 and #2. The derivation of this algorithm further described in Appendix A of NUREG 0837, Volume 2, Number 4.

Each quarter, the exposure rate inside each contractor's lead cask will be estimated. The attenuation factor for the transit shield is estimated at 0.24 and is based on actual measurements made by the NRC using a cesium-137 source. Likely sources of noncosmic transit exposure include shipments of medical and other radioisotopes in the mail, as well as natural, terrestrial radiation. Based on the likely gamma energies to be encountered in transit from all sources, natural and man-made, cesium-137 gamma rays are considered to be adequately representative with regard to estimating the attentuation provided by the transit shield.

A summary of the control dosimeter placement and usage is included in Table 7 of this report.

Table 7

Control Dosimeter Summary

	Control #1	Control #2	Control #3
Purpose of Control:	Determination of round trip transit exposure (Controls #1 and #2)	Determination of round trip transit exposure (Controls #1 and #2)	Determination of one-way transit exposure from NRC to field
During shipment to Contractor:	Unshielded, with field dosimeters	In-transit shield with field dosimeters	Unshielded, with field dosimeters
Storage Prior to Field Placement:	Unshielded, with field dosimeters	In-transit shield with field dosimeters	Unshielded, with field dosimeters
Storage During Quarter:	In storage cask	In storage cask	Not stored; returned in shield with Control #2 from previous quarter
Storage After Field Exchange (prior to return):	Unshielded, with field dosimeters	In-transit shield with field dosimeters	
During shipment to NRC	Unshielded, with field dosimeters	In-transit shield with field dosimeters	

7. STATISTICAL METHODS

The total uncertainty of the reported exposures is a combination of the random and systematic components of uncertainty. The random component is primarily the statistical uncertainty in the reading of the TLD elements themselves. Based on repeated known exposures, this uncertainty for the calcium sulfate elements used to determine exposure is estimated to be approximately three percent (±3% for one standard deviation). There are several systematic components of uncertainty, and include:

Source of Uncertainty	Value of Parameter	Uncertainty of Parameter
Energy-Directional Response	1.0	.14*
Fading	1.0	.05**
Calibration	Element Calibration Factor	.03 x Element Calibration Factor*
Estimate of Transit Shield Attentuation	.24	.24**

* Estimate based on NBS testing of dosimeters.
** Estimate based on NRC measurements of calcium sulfate element fading.
*** Estimate reflects the expected uncertainty of photon energies from likely sources to transit exposure.

These uncertainties are propagated according to established statistical methods for propagation of uncertainty. Since one component of the systematic uncertainty is greater than one-third the sum of all the components, the overall uncertainty was calculated by taking the square root of the sum of the variances of all the components. This is in accordance with U.S. Environmental Protection Agency (EPA) recommendations contained in "Upgrading Environmental Radiation Data" - Health Physics Society Committee Report HPSR-1, 1980. The uncertainty of the adjusted exposure is determined by combining the uncertainties of the gross and transit exposures.

The uncertainties are listed in the following format:

$$X \pm S_x ; U_x$$

where X = value of the result
S_x = total random uncertainty expressed as one standard deviation
U_x = combined total uncertainty

A more complete description of how uncertainty is estimated may be found in Appendix B of NUREG-0837, Volume 2, Number 4.

8. QUALITY ASSURANCE PROGRAM

The NRC TLD Quality Assurance (QA) program consists of the planned and systematic actions necessary to provide adequate confidence in the accuracy and precision of the measurements obtained through the NRC TLD Direct Radiation Monitoring Network. These measurements utilize instrumentation located in the Region I Dosimetry Laboratory. The QA program for these measurements has been established in order to:

(1) Provide a means of relating the results of the measurements to the U.S. National Bureau of Standards (NBS), wherever possible;

(2) Obtain a measure of confidence in the accuracy and precision of the data; and

(3) Identify any deficiencies in monitoring and analyses so that corrective actions can be taken.

The following sections describe the procedures for ensuring the quality of the proper measurements.

8.1 Dosimeter Quality Control

Before dosimeters are placed into service, they must pass the following tests:

8.1.1 Visual Inspection

Dosimeters are visually inspected to ensure that the dosimeter is of the correct type and has the right filtration.

8.1.2 Identification Number and Dosimeter Type

Dosimeters are read by the TLD reader and the identification numbers reported on the TLD reader output compared with the corresponding numbers on the dosimeter labels. Any deviations are corrected prior to dosimeter calibration or use. The dosimeter type reported is checked to ensure that the proper model of dosimeter is used.

8.1.3 Element Calibration Factors

Element calibration factors (see section 5 of this report) are determined for all dosimeters prior to their being placed into service. No dosimeter is used which has an element calibration factor less than 0.5.

8.1.4 Residual Checks After Annealing

Prior to the shipment of any field dosimeter, it is annealed twice to ensure a minimal residual exposure. The exposure revealed during the second annealing is checked, and no dosimeter is shipped when the residual exposure is greater than 5 mR for the lithium borate elements and 2 mR for the calcium sulfate elements.

8.2 Reader Quality Control

The calibration of the TLD reader is verified after any significant servicing or maintenance. In addition, a Quality Control (QC) check is performed on the reader to determine system trends, to apply corrections as necessary, and to ensure that the system is operational. For this check, dosimeters are read each day that the TLD reader is used. Section 4 of this report explains in greater detail how these pre-irradiated dosimeters are used to generate a Running Calibration Factor to ensure that the TLD reader's response is within acceptable limits. In addition, the following system parameters are measured and printed by the reader:

8.2.1 Sensitivity Correction Factor

Prior to reading the 12 dosimeters, the TLD reader determines the sensitivity correction factor. This factor is the ratio of the mean of 10 reference light source measurements to a constant reference reading. This factor is automatically applied by the reader to all badge readings to correct for changes in light transmission through the reader's optics. The reader will not operate if this factor is greater than 1.1 or less than 0.9.

8.2.2 Dark Counts

The dark count (from electronic noise, light leaks, thermionic emissions) is measured by the reader before it reads each badge. The dark count is usually less than five counts. The reader will not operate if the measured dark count is greater than 20 counts.

8.3 Quality Assurance Audits

The NRC TLD Direct Radiation Monitoring Network is monitored on a regular basis by the NRC Region I Radiation Dosimetry Specialist. In addition to this continuing evaluation, the program is audited by a member of management designated by the Region I Administrator. This audit ensures that all operations, maintenance, calibration, and quality control activities are being performed in accordance with approved procedures. The results of these audits are documented and reported to the Region I Administrator. Deficiencies identified are resolved as soon as practicable and the Region I Administrator is informed of their resolution.

9. SUMMARY OF OPERATING EXPERIENCES

Since the inception of this program, many problems common to environmental monitoring programs have been experienced. Many of the problems were associated with the field sampling. Environmental monitoring devices are vulnerable to vandalism and mischief. The manner in which NRC TLDs are packaged and installed was designed to protect the dosimeter from the elements and curious individuals. NRC TLD dosimeters have been vandalized, shot, melted in a forest fire, and stolen. The recovery rate (that is, the percentage of return) has averaged approximately 95% which has been acceptable, considering the nature and scope of the program.

In September 1982, during an interlaboratory calibration check, the NRC noted a decrease in the response of a number of the dosimeters used in the TLD Direct Radiation Monitoring Network. Inspection of the dosimeters revealed that the affected elements had bubbles between the carbon-coated polyamide backing material and the aluminum substrate. The bubbles affect the heat transfer and, thus, the calibration. During 1983, these dosimeters were replaced by a new model UD801 dosimeter which consisted of a single layer which was not likely to result in bubbles. No problems of this type have been identified with this new dosimeter design.

The equipment and procedures used by the NRC TLD Direct Radiation Monitoring Network generally satisfied the requirements of the program for 1983. The NRC environmental radiation data base for the monitored sites became larger and more accurate. In the event of an incident, this baseline data would be required to estimate the radiological impact of any releases of radioactive materials to the environment. In the future, the NRC is planning to make use of the upwind control dosimeters and the expanding data base to evaluate possible plant contribution to the local radiation levels or to estimate the upper limit of such contributions, if no statistically significant contributions are measured. Future reports will include maps of the areas around the monitored sites with the measured radiation levels. In addition, the NRC plans to exercise its capability to process dosimeters near reactor sites in the event of an emergency. Dosimeter reading and data processing equipment will be brought forward and tested during selected emergency drills at reactor facilities.

APPENDIX A

ENVIRONMENTAL DIRECT RADIATION MONITORING DATA FOR NRC-LICENSED NUCLEAR POWER REACTORS

ARKANSAS
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 830926-840110 107 DAYS
FIELD TIME 94 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Rdm; Tot.	NET EXPOSURE RATE mR/Std.Qtr. +- Rdm; Tot.
001	4	0.4	22.9 +- .7 ; 3.4	18.7 +- .7 ; 3.6
002	353	4.1	18.1 +- .5 ; 2.7	14.2 +- .6 ; 2.9
003	32	1.3	19.4 +- .6 ; 2.9	15.4 +- .6 ; 3.1
004	13	3.3	18.1 +- .5 ; 2.7	14.2 +- .6 ; 2.9
005	53	1.5	18.7 +- .6 ; 2.8	14.7 +- .6 ; 3.0
006	37	3.6	18.3 +- .5 ; 2.7	14.3 +- .6 ; 3.0
007	78	2.5	21.0 +- .6 ; 3.1	16.9 +- .7 ; 3.3
008	60	3.2	20.3 +- .6 ; 3.0	16.3 +- .7 ; 3.2
009	92	0.5	20.0 +- .6 ; 3.0	16.0 +- .7 ; 3.2
010	83	5.5	18.9 +- .6 ; 2.8	14.9 +- .6 ; 3.0
011	122	2.1	16.8 +- .5 ; 2.5	13.0 +- .6 ; 2.8
012	109	6.8	19.7 +- .6 ; 3.0	15.7 +- .6 ; 3.1
013	138	2.6	16.0 +- .5 ; 2.4	12.1 +- .6 ; 2.7
014	130	4.9	17.2 +- .5 ; 2.6	13.3 +- .6 ; 2.8
016	167	4.4	19.1 +- .6 ; 2.9	15.2 +- .6 ; 3.1
017	171	0.4	19.0 +- .6 ; 2.9	15.1 +- .6 ; 3.1
018	189	3.2	18.8 +- .6 ; 2.8	14.9 +- .6 ; 3.0
019	205	2.4	17.5 +- .5 ; 2.6	13.6 +- .6 ; 2.9
020	195	5.8	16.3 +- .5 ; 2.4	12.5 +- .6 ; 2.7
021	235	0.5	21.4 +- .6 ; 3.2	17.3 +- .7 ; 3.4
022	230	3.6	15.3 +- .5 ; 2.3	11.5 +- .5 ; 2.6
023	257	2.8	MISSING OR DAMAGED DOSIMETER	
024	243	4.5	23.1 +- .7 ; 3.5	18.9 +- .7 ; 3.6
025	279	1.2	22.1 +- .7 ; 3.3	18.0 +- .7 ; 3.5
026	263	4.3	18.5 +- .6 ; 2.8	14.6 +- .6 ; 3.0
027	298	0.4	19.8 +- .6 ; 3.0	15.8 +- .7 ; 3.2
028	293	5.8	18.6 +- .6 ; 2.8	14.7 +- .6 ; 3.0
029	326	1.9	18.9 +- .6 ; 2.8	14.9 +- .6 ; 3.0
030	308	4.8	18.7 +- .6 ; 2.8	14.7 +- .6 ; 3.0
031	345	1.3	19.7 +- .6 ; 3.0	15.7 +- .6 ; 3.1
032	335	4.2	16.9 +- .5 ; 2.5	13.0 +- .6 ; 2.8
033	110	0.8	20.0 +- .6 ; 3.0	16.0 +- .7 ; 3.2
039	112	6.0	19.2 +- .6 ; 2.9	15.2 +- .6 ; 3.1
040	147	8.0	24.7 +- .7 ; 3.7	20.5 +- .8 ; 3.8
041	106	17.	25.1 +- .8 ; 3.8	20.9 +- .8 ; 3.9
042	310	17.	17.7 +- .5 ; 2.6	13.8 +- .6 ; 2.9
043	0	5.2	19.5 +- .6 ; 2.9	15.5 +- .6 ; 3.1
044	0	9.1	19.5 +- .6 ; 2.9	15.5 +- .6 ; 3.1
045	0	8.9	MISSING OR DAMAGED DOSIMETER	
046	0	8.3	19.9 +- .6 ; 3.0	15.9 +- .7 ; 3.2

TRANSIT DOSE = 3.3 +- .3 ; 1.4

ARKANSAS
FOR THE PERIOD 830926-840110

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
348.75-11.25 (N)	16.0 +- 1.7	5
11.25-33.75 (NNE)	14.8 +- .9	2
33.75-56.25 (NE)	14.5 +- .3	2
56.25-78.75 (ENE)	16.6 +- .4	2
78.75-101.25 (E)	15.4 +- .7	2
101.25-123.75(ESE)	16.1 +- 2.9	5
123.75-146.25(SE)	12.7 +- .8	2
146.25-168.75(SSE)	17.8 +- 3.8	2
168.75-191.25(S)	15.0 +- .1	2
191.25-213.75(SSW)	13.0 +- .8	2
213.75-236.25(SW)	14.4 +- 4.1	2
236.25-258.75(WSW)	18.9 +- 0.0	1
258.75-281.25(W)	16.3 +- 2.4	2
281.25-303.75(WNW)	15.2 +- .8	2
303.75-326.25(NW)	14.5 +- .6	3
326.25-348.75(NNW)	14.4 +- 1.9	2

DISTANCE(mi) FROM THE REACTOR	NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
0-2	16.2 +- 1.3	11
2-5	14.4 +- 1.8	16
>5	15.9 +- 2.6	11
UPWIND CONTROL DATA	NO DATA	NO DATA

BEAVER VALLEY
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 830921-831223 94 DAYS
FIELD TIME 74 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Rdm;Tot.	NET EXPOSURE RATE mR/Std.Qtr. +- Rdm;Tot.
002	6	13	18.9 +- .6 ; 2.8	NO NET DATA
004	31	12	17.3 +- .5 ; 2.6	NO NET DATA
005	55	8.4	19.3 +- .6 ; 2.9	NO NET DATA
006	60	9.5	21.0 +- .6 ; 3.2	NO NET DATA
007	97	8	22.3 +- .7 ; 3.3	NO NET DATA
008	110	4.3	21.4 +- .6 ; 3.2	NO NET DATA
009	110	2.2	22.2 +- .7 ; 3.3	NO NET DATA
010	91	2.4	18.4 +- .6 ; 2.8	NO NET DATA
011	77	3.7	23.0 +- .7 ; 3.5	NO NET DATA
012	153	4.2	19.0 +- .6 ; 2.8	NO NET DATA
013	170	4.4	20.7 +- .6 ; 3.1	NO NET DATA
014	190	4.4	MISSING OR DAMAGED DOSIMETER	
015	208	3.5	21.2 +- .6 ; 3.2	NO NET DATA
016	264	5.6	20.5 +- .6 ; 3.1	NO NET DATA
017	270	6.3	20.2 +- .6 ; 3.0	NO NET DATA
018	232	2.4	20.5 +- .6 ; 3.1	NO NET DATA
019	267	2.3	22.3 +- .7 ; 3.3	NO NET DATA
020	294	3.4	19.3 +- .6 ; 2.9	NO NET DATA
021	286	1.4	22.3 +- .7 ; 3.3	NO NET DATA
022	220	1.3	16.4 +- .5 ; 2.5	NO NET DATA
023	255	2.3	23.0 +- .7 ; 3.4	NO NET DATA
024	209	2.1	22.1 +- .7 ; 3.3	NO NET DATA
025	186	2.1	22.2 +- .7 ; 3.3	NO NET DATA
026	190	2.2	22.0 +- .7 ; 3.3	NO NET DATA
027	125	2	18.1 +- .5 ; 2.7	NO NET DATA
028	87	1.6	23.2 +- .7 ; 3.5	NO NET DATA
029	59	1.5	21.9 +- .7 ; 3.3	NO NET DATA
030	50	1.2	20.2 +- .6 ; 3.0	NO NET DATA
031	320	1.2	21.8 +- .7 ; 3.3	NO NET DATA
032	325	3.5	21.6 +- .6 ; 3.2	NO NET DATA
033	341	2.5	21.0 +- .6 ; 3.1	NO NET DATA
034	343	5.2	20.4 +- .6 ; 3.1	NO NET DATA
035	9	3.6	22.7 +- .7 ; 3.4	NO NET DATA
036	14	3.3	23.5 +- .7 ; 3.5	NO NET DATA
037	37	3	14.9 +- .4 ; 2.2	NO NET DATA
038	22	1.8	22.7 +- .7 ; 3.4	NO NET DATA
039	351	1.6	20.5 +- .6 ; 3.1	NO NET DATA
040	344	15.	19.5 +- .6 ; 2.9	NO NET DATA
041	344	15.	19.4 +- .6 ; 2.9	NO NET DATA

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

BEAVER VALLEY
FOR THE PERIOD 830921-831223

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
348.75-11.25 (N)	19.8 +- 1.8	3
11.25-33.75 (NNE)	20.3 +- 3.2	3
33.75-56.25 (NE)	17.3 +- 2.7	3
56.25-78.75 (ENE)	21.0 +- 1.0	3
78.75-101.25 (E)	20.4 +- 2.5	3
101.25-123.75(ESE)	20.8 +- .5	2
123.75-146.25(SE)	17.3 +- 0.0	1
146.25-168.75(SSE)	18.1 +- 0.0	1
168.75-191.25(S)	20.7 +- .8	3
191.25-213.75(SSW)	20.7 +- .6	2
213.75-236.25(SW)	17.6 +- 2.8	2
236.25-258.75(WSW)	22.0 +- 0.0	1
258.75-281.25(W)	20.1 +- 1.1	3
281.25-303.75(WNW)	19.9 +- 2.0	2
303.75-326.25(NW)	20.8 +- .2	2
326.25-348.75(NNW)	19.8 +- .4	2

DISTANCE(mi) FROM THE REACTOR	AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
0-2	19.9 +- 2.2	9
2-5	20.2 +- 2.0	19
>5	19.1 +- 1.4	8
UPWIND CONTROL DATA	18.6 +- .0	2

BIG ROCK
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 830927-840120 116 DAYS
FIELD TIME 82 DAYS

NRC STATION	LOCATION AZIMUTH (deg.)	LOCATION DIST (mi.)	GROSS EXPOSURE(mR) +- Rdm; Tot.			NET EXPOSURE RATE mR/Std.Qtr. +- Rdm; Tot.			
001	208	4.9	21.7	+- .7	3.3	18.0	+- 1.0		4.7
002	220	3.6	22.5	+- .7	3.4	18.8	+- 1.0		4.8
003	204	2.4	22.7	+- .7	3.4	19.0	+- 1.0		4.8
004	176	3.3	20.8	+- .6	3.1	17.0	+- 1.0		4.6
005	161	4.6	21.6	+- .6	3.2	17.8	+- 1.0		4.7
006	133	4.7	21.6	+- .6	3.2	17.9	+- 1.0		4.7
007	116	3.7	22.5	+- .7	3.4	18.8	+- 1.0		4.8
008	111	4.7	23.2	+- .7	3.5	19.6	+- 1.0		4.9
009	98	4.5	22.8	+- .7	3.4	19.2	+- 1.0		4.8
010	88/	12.	21.3	+- .6	3.2	17.5	+- 1.0		4.6
011	83/	16.	22.5	+- .7	3.4	18.8	+- 1.0		4.8
012	83/	16.	21.9	+- .7	3.3	18.2	+- 1.0		4.7
013	83/	16.	20.4	+- .6	3.1	16.5	+- 1.0		4.5
014	77	3.4	19.8	+- .6	3.0	15.9	+- .9		4.4
015	96	1.8	23.3	+- .7	3.5	19.7	+- 1.0		4.9
016	118	2.0	24.0	+- .7	3.6	20.4	+- 1.0		5.0
017	134	2.0	20.9	+- .6	3.1	17.1	+- 1.0		4.6
018	222	1.9	21.1	+- .6	3.2	17.3	+- 1.0		4.6
019	194	1.4	22.1	+- .7	3.3	18.4	+- 1.0		4.7
020	179	1.5	22.1	+- .7	3.3	18.4	+- 1.0		4.7
021	153	1.1	21.4	+- .6	3.2	17.6	+- 1.0		4.6
TRANSIT DOSE =			5.3	+- .6	2.8				

BIG ROCK
FOR THE PERIOD 830927-840120

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
348.75-11.25 (N)	NO DATA+-NO DATA	0
11.25-33.75 (NNE)	NO DATA+-NO DATA	0
33.75-56.25 (NE)	NO DATA+-NO DATA	0
56.25-78.75 (ENE)	15.9 +- 0.0	1
78.75-101.25 (E)	18.8 +- 1.1	3
101.25-123.75(ESE)	19.6 +- .8	3
123.75-146.25(SE)	17.5 +- .5	2
146.25-168.75(SSE)	17.7 +- .1	2
168.75-191.25(S)	17.7 +- 1.0	2
191.25-213.75(SSW)	18.4 +- .5	3
213.75-236.25(SW)	18.1 +- 1.0	2
236.25-258.75(WSW)	NO DATA+-NO DATA	0
258.75-281.25.W)	NO DATA+-NO DATA	0
281.25-303.75(WNW)	NO DATA+-NO DATA	0
303.75-326.25(NW)	NO DATA+-NO DATA	0
326.25-348.75(NNW)	NO DATA+-NO DATA	0

DISTANCE(mi) FROM THE REACTOR	NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
0-2	18.4 +- 1.2	7
2-5	18.2 +- 1.1	10
>5	17.5 +- 0.0	1
UPWIND CONTROL DATA	17.8 +- 1.2	3

BRAIDWOOD
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 830921-840110 112 DAYS
FIELD TIME 86 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Rdm; Tot.	NET EXPOSURE RATE mR/Std.Qtr. +- Rdm; Tot.
001	351	.8	MISSING OR DAMAGED DOSIMETER	
002	19	1.3	19.3 +- .6 ; 2.9	16.5 +- .9 ; 4.1
003	45	2	22.4 +- .7 ; 3.4	19.8 +- .9 ; 4.5
004	66	2.1	21.8 +- .7 ; 3.3	19.2 +- .9 ; 4.4
005	87	1.8	22.9 +- .7 ; 3.4	20.3 +- 1.0 ; 4.5
006	114	2	21.4 +- .6 ; 3.2	18.8 +- .9 ; 4.4
007	133	2.7	22.3 +- .7 ; 3.3	19.7 +- .9 ; 4.5
008	151	2.8	21.9 +- .7 ; 3.3	19.3 +- .9 ; 4.4
009	178	3.9	23.1 +- .7 ; 3.5	20.5 +- 1.0 ; 4.6
010	197	2.8	23.7 +- .7 ; 3.6	21.2 +- 1.0 ; 4.6
011	222	1.4	22.1 +- .7 ; 3.3	19.5 +- .9 ; 4.4
012	252	1.1	23.1 +- .7 ; 3.5	20.6 +- 1.0 ; 4.6
013	261	1.0	MISSING OR DAMAGED DOSIMETER	
014	278	1.2	20.6 +- .6 ; 3.1	17.9 +- .9 ; 4.3
015	310	1.3	19.4 +- .6 ; 2.9	16.6 +- .9 ; 4.1
016	335	1.6	20.7 +- .6 ; 3.1	18.0 +- .9 ; 4.3
017	359	1.5	22.9 +- .7 ; 3.4	20.4 +- 1.0 ; 4.5
018	018	3.5	28.3 +- .8 ; 4.2	26.0 +- 1.1 ; 5.2
019	042	6.3	23.2 +- .7 ; 3.5	20.7 +- 1.0 ; 4.6
020	069	5.7	23.4 +- .7 ; 3.5	20.9 +- 1.0 ; 4.6
021	086	6.8	22.3 +- .7 ; 3.3	19.7 +- .9 ; 4.5
022	100	10	24.3 +- .7 ; 3.6	21.8 +- 1.0 ; 4.7
023	45	4.9	21.6 +- .6 ; 3.2	19.0 +- .9 ; 4.4
024	070	4.2	18.1 +- .5 ; 2.7	15.3 +- .8 ; 4.0
025	086	4.1	21.9 +- .7 ; 3.3	19.3 +- .9 ; 4.4
026	113	4.4	22.1 +- .7 ; 3.3	19.5 +- .9 ; 4.4
027	142	6.4	23.5 +- .7 ; 3.5	20.9 +- 1.0 ; 4.6
028	161	6.1	22.6 +- .7 ; 3.4	20.1 +- .9 ; 4.5
029	180	6.1	29.4 +- .9 ; 4.4	27.2 +- 1.1 ; 5.4
030	191	5.8	27.3 +- .8 ; 4.1	24.9 +- 1.1 ; 5.1
031	230	5.8	23.2 +- .7 ; 3.5	20.7 +- 1.0 ; 4.6
032	266	5.3	21.2 +- .6 ; 3.2	18.5 +- .9 ; 4.3
033	289	4.1	18.7 +- .6 ; 2.8	15.9 +- .9 ; 4.0
034	315	4.3	17.9 +- .5 ; 2.7	15.1 +- .8 ; 4.0
035	333	4.5	MISSING OR DAMAGED DOSIMETER	
036	000	5.9	22.4 +- .7 ; 3.4	19.8 +- .9 ; 4.5
037	021	5.3	23.2 +- .7 ; 3.5	20.7 +- 1.0 ; 4.6
038	190	10	20.9 +- .6 ; 3.1	18.2 +- .9 ; 4.3
039	224	13	22.1 +- .7 ; 3.3	19.5 +- .9 ; 4.4
040	224	13	26.2 +- .8 ; 3.9	23.8 +- 1.0 ; 5.0
TRANSIT DOSE =	3.4	+- .6 ; 2.7		

BRAIDWOOD
FOR THE PERIOD 830921-840110

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
348.75-11.25 (N)	20.1 +- .4	2
11.25-33.75 (NNE)	21.1 +- 4.7	3
33.75-56.25 (NE)	19.8 +- .9	3
56.25-78.75 (ENE)	18.5 +- 2.8	3
78.75-101.25 (E)	20.3 +- 1.1	4
101.25-123.75(ESE)	19.2 +- .5	2
123.75-146.25(SE)	20.3 +- .9	2
146.25-168.75(SSE)	19.7 +- .6	2
168.75-191.25(S)	22.7 +- 4.1	4
191.25-213.75(SSW)	21.2 +- 0.0	1
213.75-236.25(SW)	20.1 +- .8	2
236.25-258.75(WSW)	20.6 +- 0.0	1
258.75-281.25(W)	18.2 +- .4	2
281.25-303.75(WNW)	15.9 +- 0.0	1
303.75-326.25(NW)	15.9 +- 1.1	2
326.25-348.75(NNW)	18.0 +- 0.0	1

DISTANCE(mi) FROM THE REACTOR	NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
0-2	18.9 +- 1.5	10
2-5	19.2 +- 2.9	12
>5	21.1 +- 2.5	13
UPWIND CONTROL DATA	21.6 +- 3.0	2

BROWNS FERRY
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 830926-840120 117 DAYS
FIELD TIME 95 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Rdm;Tot.	NET EXPOSURE RATE mR/Std.Qtr. +- Rdm;Tot.
001	130	9	16.1 +- .5 ; 2.4	12.3 +- .6 ; 2.8
002	133	5.5	14.7 +- .4 ; 2.2	10.9 +- .6 ; 2.6
003	153	4.3	18.5 +- .6 ; 2.8	14.5 +- .6 ; 3.0
004	210	5.8	19.9 +- .6 ; 3.0	15.8 +- .7 ; 3.2
005	220	6	17.8 +- .5 ; 2.7	13.9 +- .6 ; 3.0
006	245	4.5	22.0 +- .7 ; 3.3	17.9 +- .7 ; 3.5
007	269	1.9	25.6 +- .8 ; 3.8	21.2 +- .8 ; 4.0
008	257	11.	18.6 +- .6 ; 2.8	14.6 +- .6 ; 3.1
009	295	7	25.3 +- .8 ; 3.8	21.0 +- .8 ; 3.9
010	292	4.5	19.3 +- .6 ; 2.9	15.2 +- .7 ; 3.1
011	269	1.9	19.1 +- .6 ; 2.9	15.1 +- .7 ; 3.1
012	240	2.6	19.3 +- .6 ; 2.9	15.2 +- .7 ; 3.1
013	220	1.7	21.4 +- .6 ; 3.2	17.2 +- .7 ; 3.4
014	268	17	25.8 +- .8 ; 3.9	21.4 +- .8 ; 4.0
015	201	3	20.1 +- .6 ; 3.0	16.1 +- .7 ; 3.3
016	181	3	24.0 +- .7 ; 3.6	19.7 +- .8 ; 3.7
017	50	9.5	20.4 +- .6 ; 3.1	16.3 +- .7 ; 3.3
018	51	3.5	21.0 +- .6 ; 3.1	16.9 +- .7 ; 3.4
019	62	3.2	18.5 +- .6 ; 2.8	14.5 +- .6 ; 3.0
020	86	2.8	20.6 +- .6 ; 3.1	16.5 +- .7 ; 3.3
021	111	3.1	26.8 +- .8 ; 4.0	22.4 +- .8 ; 4.1
022	64	1.1	21.9 +- .7 ; 3.3	17.8 +- .7 ; 3.5
023	90	26	24.1 +- .7 ; 3.6	19.8 +- .8 ; 3.8
024	111	.8	20.0 +- .6 ; 3.0	15.9 +- .7 ; 3.2
025	46	2.2	18.4 +- .6 ; 2.8	14.4 +- .6 ; 3.0
026	26	1.7	21.4 +- .6 ; 3.2	17.3 +- .7 ; 3.4
027	333	1.7	24.1 +- .7 ; 3.6	19.8 +- .8 ; 3.8
028	335	1	20.2 +- .6 ; 3.0	16.1 +- .7 ; 3.3
029	27	3.8	24.4 +- .7 ; 3.7	20.1 +- .8 ; 3.8
030	0	4	19.0 +- .6 ; 2.8	15.0 +- .7 ; 3.1
031	340	5.3	20.8 +- .6 ; 3.1	16.7 +- .7 ; 3.3
032	312	12	19.5 +- .6 ; 2.9	15.5 +- .7 ; 3.2
033	0	1.5	21.3 +- .6 ; 3.2	17.1 +- .7 ; 3.4
034	52	7	20.5 +- .6 ; 3.1	16.4 +- .7 ; 3.3
035	95	5.4	19.2 +- .6 ; 2.9	15.2 +- .7 ; 3.1
036	68	5.6	MISSING OR DAMAGED DOSIMETER	
037	149	7.8	24.4 +- .7 ; 3.7	20.1 +- .8 ; 3.8
038	164	7	15.2 +- .5 ; 2.3	11.4 +- .6 ; 2.7
TRANSIT DOSE =			3.2 +- .4 ; 1.6	

BROWNS FERRY
FOR THE PERIOD 830926-840120

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
348.75-11.25 (N)	16.1 +- 1.5	2
11.25-33.75 (NNE)	18.7 +- 2.0	2
33.75-56.25 (NE)	16.0 +- 1.1	4
56.25-78.75 (ENE)	16.1 +- 2.3	2
78.75-101.25 (E)	17.2 +- 2.4	3
101.25-123.75(ESE)	19.2 +- 4.6	2
123.75-146.25(SE)	11.6 +- .9	2
146.25-168.75(SSE)	15.3 +- 4.4	3
168.75-191.25(S)	19.7 +- 0.0	1
191.25-213.75(SSW)	15.9 +- .2	2
213.75-236.25(SW)	15.6 +- 2.4	2
236.25-258.75(WSW)	16.5 +- 1.8	2
258.75-281.25(W)	18.1 +- 4.4	2
281.25-303.75(WNW)	18.1 +- 4.1	2
303.75-326.25(NW)	15.5 +- 0.0	1
326.25-348.75(NNW)	17.5 +- 2.0	3

DISTANCE(mi) FROM THE REACTOR	NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
0-2	17.5 +- 1.9	9
2-5	16.8 +- 2.5	13
>5	15.8 +- 3.2	13
UPWIND CONTROL DATA	18.0 +- 4.8	2

BRUNSWICK
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 830926-840120 117 DAYS
FIELD TIME 93 DAYS

NRC STATION	LOCATION AZIMUTH (deg.)	DIST (mi.)	GROSS EXPOSURE(mR) +- Rdm;Tot.	NET EXPOSURE RATE mR/Std.Qtr. +- Rdm;Tot.
001	260	2.2	15.9 +- .5 ; 2.4	10.2 +- .8 ; 3.5
002	245	3.4	MISSING OR DAMAGED DOSIMETER	
003	231	3.8	MISSING OR DAMAGED DOSIMETER	
004	210	4.9	22.1 +- .7 ; 3.3	16.3 +- .9 ; 4.1
005	186	4.3	21.5 +- .6 ; 3.2	15.6 +- .9 ; 4.0
006	270	4.5	17.9 +- .5 ; 2.7	12.2 +- .8 ; 3.7
007	272	4.4	19.7 +- .6 ; 2.9	13.9 +- .8 ; 3.9
008	73	1.3	22.1 +- .7 ; 3.3	16.2 +- .9 ; 4.1
009	97	1.0	20.4 +- .6 ; 3.1	14.6 +- .8 ; 3.9
010	120	1.5	16.7 +- .5 ; 2.5	11.0 +- .8 ; 3.5
011	131	0.9	17.3 +- .5 ; 2.6	11.6 +- .8 ; 3.6
012	156	1.1	20.4 +- .6 ; 3.1	14.6 +- .8 ; 3.9
013	180	1.1	17.4 +- .5 ; 2.6	11.7 +- .8 ; 3.6
014	194	2.4	18.4 +- .6 ; 2.8	12.7 +- .8 ; 3.7
015	201	2.0	20.3 +- .6 ; 3.0	14.5 +- .8 ; 3.9
016	218	1.2	22.8 +- .7 ; 3.4	16.9 +- .9 ; 4.2
017	252	1.1	18.8 +- .6 ; 2.8	13.1 +- .8 ; 3.8
018	272	1.2	19.9 +- .6 ; 3.0	14.1 +- .8 ; 3.9
019	19	1.1	19.5 +- .6 ; 2.9	13.8 +- .8 ; 3.8
020	2	1.1	21.3 +- .6 ; 3.2	15.5 +- .9 ; 4.0
021	288	1.3	19.3 +- .6 ; 2.9	13.5 +- .8 ; 3.8
022	307	1.5	18.4 +- .6 ; 2.8	12.7 +- .8 ; 3.7
023	338	2.	21.0 +- .6 ; 3.1	15.2 +- .9 ; 4.0
024	325	4.9	19.2 +- .6 ; 2.9	13.4 +- .8 ; 3.8
025	338	3.8	20.1 +- .6 ; 3.0	14.3 +- .8 ; 3.9
026	356	5.2	16.4 +- .5 ; 2.5	10.8 +- .8 ; 3.5
027	30	6.4	13.3 +- .4 ; 2.0	7.8 +- .7 ; 3.2
028	43	9.0	18.6 +- .6 ; 2.8	12.8 +- .8 ; 3.7
029	50	8.5	19.6 +- .6 ; 2.9	13.9 +- .8 ; 3.8
030	59	7.2	18.9 +- .6 ; 2.8	13.1 +- .8 ; 3.8
031	65	6.5	MISSING OR DAMAGED DOSIMETER	
032	74	5.8	21.2 +- .6 ; 3.2	15.4 +- .9 ; 4.0
033	88	4.1	MISSING OR DAMAGED DOSIMETER	
034	12/	17.	19.9 +- .6 ; 3.0	14.1 +- .8 ; 3.9
035	16/	18.	20.0 +- .6 ; 3.0	14.2 +- .8 ; 3.9
036	284	15.	20.6 +- .6 ; 3.1	14.8 +- .9 ; 4.0
037	284	15.	19.4 +- .6 ; 2.9	13.7 +- .8 ; 3.8
038	285	15.	19.0 +- .6 ; 2.8	13.2 +- .8 ; 3.8
039	287	4.6	17.9 +- .5 ; 2.7	12.2 +- .8 ; 3.7
040	271	0.7	15.3 +- .5 ; 2.3	9.6 +- .8 ; 3.4
TRANSIT DOSE =			5.3 +- .6 ; 2.7	

BRUNSWICK
FOR THE PERIOD 830926-840120

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
348.75-11.25 (N)	13.1 +- 3.4	2
11.25-33.75 (NNE)	12.5 +- 3.1	4
33.75-56.25 (NE)	13.3 +- .7	2
56.25-78.75 (ENE)	14.9 +- 1.6	3
78.75-101.25 (E)	14.6 +- 0.0	1
101.25-123.75(ESE)	11.0 +- 0.0	1
123.75-146.25(SE)	11.6 +- 0.0	1
146.25-168.75(SSE)	14.5 +- 0.0	1
168.75-191.25(S)	13.7 +- 2.8	2
191.25-213.75(SSW)	14.5 +- 1.8	3
213.75-236.25(SW)	16.9 +- 0.0	1
236.25-258.75(WSW)	13.1 +- 0.0	1
258.75-281.25(W)	12.0 +- 2.1	5
281.25-303.75(WNW)	12.8 +- 1.0	2
303.75-326.25(NW)	13.1 +- .5	2
326.25-348.75(NNW)	14.7 +- .6	2

DISTANCE(mi) FROM THE REACTOR	NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
0-2	13.7 +- 2.0	16
2-5	12.4 +- 1.9	9
>5	12.8 +- 2.4	8
UPWIND CONTROL DATA	13.9 +- .8	3

BYRON
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 830919-840110 114 DAYS
FIELD TIME 96 DAYS

NRC STATION	LOCATION AZIMUTH (deg.)	LOCATION DIST (mi.)	GROSS EXPOSURE(mR) +- Rdm; Tot.	NET EXPOSURE RATE mR/Std.Qtr. +- Rdm; Tot.
001	10	1.1	25.6 +- .8 ; 3.8	20.6 +- .9 ; 4.4
002	23	1.0	25.8 +- .8 ; 3.9	20.8 +- .9 ; 4.4
003	46	1.6	24.3 +- .7 ; 3.6	19.4 +- .9 ; 4.3
004	68	1.6	22.7 +- .7 ; 3.4	17.9 +- .9 ; 4.1
005	86	1.4	25.2 +- .8 ; 3.8	20.2 +- .9 ; 4.4
006	112	1.3	20.7 +- .6 ; 3.1	16.0 +- .8 ; 3.9
007	133	1.4	25.8 +- .8 ; 3.9	20.8 +- .9 ; 4.5
008	175	2.2	26.0 +- .8 ; 3.9	21.0 +- 1.0 ; 4.5
009	156	0.6	19.8 +- .6 ; 3.0	15.2 +- .8 ; 3.8
010	183	0.5	20.7 +- .6 ; 3.1	16.0 +- .8 ; 3.9
011	210	0.6	20.5 +- .6 ; 3.1	15.8 +- .8 ; 3.9
012	236	0.9	21.6 +- .6 ; 3.2	16.9 +- .9 ; 4.0
013	247	0.8	20.6 +- .6 ; 3.1	15.9 +- .8 ; 3.9
014	262	0.7	20.3 +- .6 ; 3.0	15.7 +- .8 ; 3.8
015	298	0.8	20.0 +- .6 ; 3.0	15.4 +- .8 ; 3.8
016	326	1.0	20.7 +- .6 ; 3.1	16.0 +- .8 ; 3.9
017	333	1.6	23.0 +- .7 ; 3.5	18.2 +- .9 ; 4.1
018	23	4.0	22.5 +- .7 ; 3.4	17.7 +- .9 ; 4.1
019	17	4.1	18.5 +- .6 ; 2.8	13.9 +- .8 ; 3.7
020	5	4.3	20.6 +- .6 ; 3.1	15.9 +- .8 ; 3.9
021	340	4.2	21.5 +- .6 ; 3.2	16.8 +- .9 ; 4.0
022	322	4.9	21.3 +- .6 ; 3.2	16.6 +- .9 ; 4.0
023	304	5.9	18.8 +- .6 ; 2.8	14.3 +- .8 ; 3.7
024	270	4.8	21.1 +- .6 ; 3.2	16.4 +- .8 ; 3.9
025	244	4.6	22.9 +- .7 ; 3.4	18.1 +- .9 ; 4.1
026	224	4.8	20.6 +- .6 ; 3.1	15.9 +- .8 ; 3.9
027	213	5.2	18.2 +- .5 ; 2.7	13.7 +- .8 ; 3.6
028	209	14.	21.2 +- .6 ; 3.2	16.5 +- .9 ; 3.9
029	215	13.	21.4 +- .6 ; 3.2	16.7 +- .9 ; 4.0
030	215	13.	21.8 +- .7 ; 3.3	17.0 +- .9 ; 4.0
031	204	4.6	18.0 +- .5 ; 2.7	13.5 +- .8 ; 3.6
032	178	4.4	20.5 +- .6 ; 3.1	15.8 +- .8 ; 3.9
033	155	3.9	24.4 +- .7 ; 3.7	19.5 +- .9 ; 4.3
034	138	4.6	22.3 +- .7 ; 3.3	17.5 +- .9 ; 4.1
035	118	4.4	26.7 +- .8 ; 4.0	21.7 +- 1.0 ; 4.6
036	81	3.8	21.9 +- .7 ; 3.3	17.2 +- .9 ; 4.0
037	70	5.5	18.9 +- .6 ; 2.8	14.3 +- .8 ; 3.7
038	45	4.0	19.9 +- .6 ; 3.0	15.3 +- .8 ; 3.8
039	40	6.8	23.3 +- .7 ; 3.5	18.4 +- .9 ; 4.2
040	45	15.	18.9 +- .6 ; 2.8	14.3 +- .8 ; 3.7
041	320	3.0	20.9 +- .6 ; 3.1	16.2 +- .8 ; 3.9
TRANSIT DOSE =			3.6 +- .6 ; 2.8	

BYRON
FOR THE PERIOD 830919-8

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
348.75-11.25 (N)	18.3 +- 3.3	2
11.25-33.75 (NNE)	17.5 +- 3.4	3
33.75-56.25 (NE)	16.8 +- 2.4	4
56.25-78.75 (ENE)	16.1 +- 2.6	2
78.75-101.25 (E)	18.7 +- 2.2	2
101.25-123.75(ESE)	18.8 +- 4.0	2
123.75-146.25(SE)	19.2 +- 2.4	2
146.25-168.75(SSE)	17.3 +- 3.0	2
168.75-191.25(S)	17.6 +- 3.0	3
191.25-213.75(SSW)	14.3 +- 1.3	3
213.75-236.25(SW)	16.4 +- .7	2
236.25-258.75(WSW)	17.0 +- 1.5	2
258.75-281.25(W)	16.0 +- .5	2
281.25-303.75(WNW)	15.4 +- 0.0	1
303.75-326.25(NW)	15.8 +- 1.0	4
326.25-348.75(NNW)	17.5 +- 1.0	2

DISTANCE(mi) FROM THE REACTOR	NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
0-2	17.6 +- 2.1	16
2-5	17.0 +- 2.2	17
>5	15.0 +- 1.9	5
UPWIND CONTROL DATA	16.7 +- .3	3

CALLAWAY
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 830926-840120 117 DAYS
FIELD TIME 92 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Rdm;Tot.			NET EXPOSURE RATE mR/Std.Qtr. +- Rdm;Tot.		
001	247	2.1	18.6 +-	.6 ;	2.8	14.8 +-	.7 ;	3.4
002	259	1.4	20.2 +-	.6 ;	3.0	16.4 +-	.8 ;	3.6
003	282	1.3	22.3 +-	.7 ;	3.3	18.5 +-	.8 ;	3.9
004	304	1.3	22.1 +-	.7 ;	3.3	18.3 +-	.8 ;	3.8
005	330	1.7	22.4 +-	.7 ;	3.4	18.6 +-	.8 ;	3.9
006	1	1.7	20.5 +-	.6 ;	3.1	16.7 +-	.8 ;	3.6
007	23	2	21.3 +-	.6 ;	3.2	17.5 +-	.8 ;	3.7
008	77	.7	23.5 +-	.7 ;	3.5	19.7 +-	.8 ;	4.0
009	85	1.4	22.5 +-	.7 ;	3.4	18.6 +-	.8 ;	3.9
010	98	1.5	22.3 +-	.7 ;	3.3	18.5 +-	.8 ;	3.9
011	121	2	19.8 +-	.6 ;	3.0	16.0 +-	.8 ;	3.6
012	140	2	20.0 +-	.6 ;	3.0	16.2 +-	.8 ;	3.6
013	158	2.5	21.4 +-	.6 ;	3.2	17.6 +-	.8 ;	3.8
014	183	3.7	22.9 +-	.7 ;	3.4	19.1 +-	.8 ;	3.9
015	188	1.7	23.6 +-	.7 ;	3.5	19.8 +-	.8 ;	4.0
016	202	.7	22.4 +-	.7 ;	3.4	18.6 +-	.8 ;	3.9
017	237	.7	25.0 +-	.8 ;	3.8	21.1 +-	.9 ;	4.2
018	312	11	22.2 +-	.7 ;	3.3	18.4 +-	.8 ;	3.9
019	292	10	22.3 +-	.7 ;	3.3	18.5 +-	.8 ;	3.9
020	268	9	22.2 +-	.7 ;	3.3	18.4 +-	.8 ;	3.9
021	247	8	22.5 +-	.7 ;	3.4	18.7 +-	.8 ;	3.9
022	225	8	21.3 +-	.6 ;	3.2	17.5 +-	.8 ;	3.7
023	220	8	21.8 +-	.7 ;	3.3	18.0 +-	.8 ;	3.8
024	205	5.5	19.2 +-	.6 ;	2.9	15.4 +-	.7 ;	3.5
025	157	4	23.7 +-	.7 ;	3.5	19.8 +-	.8 ;	4.0
026	134	5	19.4 +-	.6 ;	2.9	15.6 +-	.7 ;	3.5
027	115	4.2	22.7 +-	.7 ;	3.4	18.9 +-	.8 ;	3.9
028	95	3.5	23.1 +-	.7 ;	3.5	19.3 +-	.8 ;	4.0
029	67	3.4	23.6 +-	.7 ;	3.5	19.8 +-	.8 ;	4.0
030	48	4.5	20.8 +-	.6 ;	3.1	17.0 +-	.8 ;	3.7
031	14	6.5	23.4 +-	.7 ;	3.5	19.6 +-	.8 ;	4.0
032	2	5.1	22.1 +-	.7 ;	3.3	18.3 +-	.8 ;	3.8
033	335	3.6	20.5 +-	.6 ;	3.1	16.7 +-	.8 ;	3.6
034	288	4.3	22.7 +-	.7 ;	3.4	18.8 +-	.8 ;	3.9
035	310	5.2	23.3 +-	.7 ;	3.5	19.5 +-	.8 ;	4.0
036	264	3.2	18.8 +-	.6 ;	2.8	15.1 +-	.7 ;	3.4
037	237	3.0	22.8 +-	.7 ;	3.4	18.9 +-	.8 ;	3.9
038	270	15.	19.5 +-	.6 ;	2.9	15.7 +-	.7 ;	3.5
039	270	15	18.9 +-	.6 ;	2.8	15.1 +-	.7 ;	3.5
040	203	20	22.1 +-	.7 ;	3.3	18.3 +-	.8 ;	3.8

TRANSIT DOSE = 3.4 +- .5 ; 2.1

CALLAWAY
FOR THE PERIOD 830926-840120

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
348.75-11.25 (N)	17.5 +- 1.1	2
11.25-33.75 (NNE)	18.6 +- 1.5	2
33.75-56.25 (NE)	17.0 +- 0.0	1
56.25-78.75 (ENE)	19.7 +- .1	2
78.75-101.25 (E)	18.8 +- .4	3
101.25-123.75(ESE)	17.5 +- 2.0	2
123.75-146.25(SE)	15.9 +- .4	2
146.25-168.75(SSE)	18.7 +- 1.6	2
168.75-191.25(S)	19.4 +- .5	2
191.25-213.75(SSW)	17.0 +- 2.2	2
213.75-236.25(SW)	17.7 +- .4	2
236.25-258.75(WSW)	18.4 +- 2.6	4
258.75-281.25(W)	16.6 +- 1.7	3
281.25-303.75(WNW)	18.6 +- .2	3
303.75-326.25(NW)	18.7 +- .7	3
326.25-348.75(NNW)	17.6 +- 1.3	2

DISTANCE(mi) FROM THE REACTOR	NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
0-2	18.2 +- 1.5	14
2-5	17.8 +- 1.8	13
>5	18.2 +- 1.2	10
UPWIND CONTROL DATA	16.4 +- 1.7	3

CALVERT CLIFFS
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 831019-840126 100 DAYS
FIELD TIME 92 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Rdm;Tot.	NET EXPOSURE RATE mR/Std.Qtr. +- Rdm;Tot.
001	275	1.5	15.0 +- .5 ; 2.3	NO NET DATA
003	284	1.7	15.0 +- .4 ; 2.2	NO NET DATA
004	323	2.4	16.6 +- .5 ; 2.5	NO NET DATA
005	297	3.1	16.1 +- .5 ; 2.4	NO NET DATA
006	324	4.7	14.6 +- .4 ; 2.2	NO NET DATA
007	324	5.5	MISSING OR DAMAGED DOSIMETER	
008	256	6.1	10.7 +- .3 ; 1.6	NO NET DATA
009	273	4.1	14.0 +- .4 ; 2.1	NO NET DATA
010	253	3.7	14.4 +- .4 ; 2.2	NO NET DATA
011	230	4	16.5 +- .5 ; 2.5	NO NET DATA
012	243	1.3	15.6 +- .5 ; 2.3	NO NET DATA
013	222	1.5	17.2 +- .5 ; 2.6	NO NET DATA
014	208	1.8	14.6 +- .4 ; 2.2	NO NET DATA
015	176	2.4	17.3 +- .5 ; 2.6	NO NET DATA
016	160	1.5	MISSING OR DAMAGED DOSIMETER	
019	159	3.8	17.1 +- .5 ; 2.6	NO NET DATA
020	139	4.7	14.1 +- .4 ; 2.1	NO NET DATA
021	201	4	15.0 +- .4 ; 2.2	NO NET DATA
022	187	4.7	MISSING OR DAMAGED DOSIMETER	
023	201	8.7	17.2 +- .5 ; 2.6	NO NET DATA
024	190	7.8	15.6 +- .5 ; 2.3	NO NET DATA
025	325	6.7	MISSING OR DAMAGED DOSIMETER	
026	314	10.	MISSING OR DAMAGED DOSIMETER	
027	314	10.	MISSING OR DAMAGED DOSIMETER	
028	315	10.	16.7 +- .5 ; 2.5	NO NET DATA
029	186	11.	MISSING OR DAMAGED DOSIMETER	

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

CALVERT CLIFFS
FOR THE PERIOD 831019-840126

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
348.75-11.25 (N)	NO DATA+-NO DATA	0
11.25-33.75 (NNE)	NO DATA+-NO DATA	0
33.75-56.25 (NE)	NO DATA+-NO DATA	0
56.25-78.75 (ENE)	NO DATA+-NO DATA	0
78.75-101.25 (E)	NO DATA+-NO DATA	0
101.25-123.75(ESE)	NO DATA+-NO DATA	0
123.75-146.25(SE)	12.6 +- 0.0	1
146.25-168.75(SSE)	15.3 +- 0.0	1
168.75-191.25(S)	14.8 +- 1.1	2
191.25-213.75(SSW)	14.0 +- 1.3	3
213.75-236.25(SW)	15.1 +- .4	2
236.25-258.75(WSW)	12.2 +- 2.3	3
258.75-281.25(W)	13.0 +- .7	2
281.25-303.75(WNW)	14.0 +- .7	2
303.75-326.25(NW)	14.0 +- 1.3	2
326.25-348.75(NNW)	NO DATA+-NO DATA	0

DISTANCE(mi) FROM THE REACTOR	AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
0-2	13.9 +- .9	5
2-5	14.0 +- 1.2	10
>5	13.0 +- 3.1	3
UPWIND CONTROL DATA	15.0 +- 0.0	1

CATAWBA
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 830816-840202 171 DAYS
FIELD TIME 148 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Rdm; Tot.	NET EXPOSURE RATE mR/Std.Qtr. +- Rdm; Tot.
001	134	0.1	32.6 +- 1.0 ; 4.9	12.6 +- .7 ; 3.7
002	162	0.4	32.0 +- 1.0 ; 4.8	12.2 +- .7 ; 3.7
003	132	0.8	MISSING OR DAMAGED DOSIMETER	
004	111	1.3	31.3 +- .9 ; 4.7	11.8 +- .7 ; 3.7
005	045	0.7	32.0 +- 1.0 ; 4.8	12.2 +- .7 ; 3.7
006	298	1.3	34.9 +- 1.0 ; 5.2	14.0 +- .7 ; 3.9
007	004	0.6	31.2 +- .9 ; 4.7	11.7 +- .7 ; 3.6
008	332	1.5	MISSING OR DAMAGED DOSIMETER	
009	318	1.6	MISSING OR DAMAGED DOSIMETER	
010	176	1.8	31.7 +- .9 ; 4.7	12.0 +- .7 ; 3.7
011	203	1.5	33.2 +- 1.0 ; 5.0	13.0 +- .7 ; 3.8
012	225	1.5	MISSING OR DAMAGED DOSIMETER	
013	250	1.9	30.0 +- .9 ; 4.5	11.0 +- .7 ; 3.6
014	270	1.4	MISSING OR DAMAGED DOSIMETER	
015	331	3.0	27.4 +- .8 ; 4.1	9.5 +- .6 ; 3.4
016	311	3.9	28.9 +- .9 ; 4.3	10.3 +- .7 ; 3.5
017	296	9.5	38.4 +- 1.2 ; 5.8	16.1 +- .8 ; 4.2
018	324	4.8	MISSING OR DAMAGED DOSIMETER	
019	352	4.8	27.7 +- .8 ; 4.1	9.6 +- .6 ; 3.4
020	022	4.0	33.7 +- 1.0 ; 5.0	13.3 +- .7 ; 3.8
021	290	3.9	31.2 +- .9 ; 4.7	11.7 +- .7 ; 3.6
022	266	4.0	31.9 +- 1.0 ; 4.8	12.2 +- .7 ; 3.7
023	251	4.0	26.6 +- .8 ; 4.0	9.0 +- .6 ; 3.3
024	229	3.9	26.2 +- .8 ; 3.9	8.7 +- .6 ; 3.3
025	202	4.4	36.5 +- 1.1 ; 5.5	15.0 +- .8 ; 4.0
026	051	4.3	36.5 +- 1.1 ; 5.5	15.0 +- .8 ; 4.0
027	064	7.9	26.7 +- .8 ; 4.0	9.0 +- .6 ; 3.3
028	061	4.9	31.9 +- 1.0 ; 4.8	12.2 +- .7 ; 3.7
029	049	1.9	32.3 +- 1.0 ; 4.8	12.4 +- .7 ; 3.7
030	064	1.8	30.2 +- .9 ; 4.5	11.2 +- .7 ; 3.6
031	087	1.6	29.5 +- .9 ; 4.4	10.7 +- .7 ; 3.5
032	121	2.6	32.6 +- 1.0 ; 4.9	12.6 +- .7 ; 3.7
033	114	7.6	29.2 +- .9 ; 4.4	10.5 +- .7 ; 3.5
034	093	4.5	34.2 +- 1.0 ; 5.1	13.6 +- .7 ; 3.9
035	132	4.3	41.2 +- 1.2 ; 6.2	17.8 +- .8 ; 4.4
036	163	8.9	26.6 +- .8 ; 4.0	8.9 +- .6 ; 3.3
037	173	4.9	26.6 +- .8 ; 4.0	9.0 +- .6 ; 3.3
038	157	4.6	31.5 +- .9 ; 4.7	11.9 +- .7 ; 3.7
039	248	10.	MISSING OR DAMAGED DOSIMETER	
040	229	12.	27.9 +- .8 ; 4.2	9.8 +- .6 ; 3.4
041	218	13.	27.6 +- .8 ; 4.1	9.5 +- .6 ; 3.4
042	213	16.	29.8 +- .9 ; 4.5	10.9 +- .7 ; 3.5
TRANSIT DOSE =	11.8	+- .7 ; 3.8		

CATAWBA
FOR THE PERIOD 830816-840202

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
348.75-11.25 (N)	10.7 +- 1.5	2
11.25-33.75 (NNE)	13.3 +- 0.0	1
33.75-56.25 (NE)	13.2 +- 1.5	3
56.25-78.75 (ENE)	10.8 +- 1.6	3
78.75-101.25 (E)	12.1 +- 2.0	2
101.25-123.75(ESE)	11.6 +- 1.0	3
123.75-146.25(SE)	15.2 +- 3.7	2
146.25-168.75(SSE)	11.0 +- 1.8	3
168.75-191.25(S)	10.5 +- 2.2	2
191.25-213.75(SSW)	14.0 +- 1.4	2
213.75-236.25(SW)	8.7 +- 0.0	1
236.25-258.75(WSW)	10.0 +- 1.4	2
258.75-281.25(W)	12.2 +- 0.0	1
281.25-303.75(WNW)	14.0 +- 2.2	3
303.75-326.25(NW)	10.3 +- 0.0	1
326.25-348.75(NNW)	9.5 +- 0.0	1

DISTANCE(mi) FROM THE REACTOR	NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
0-2	12.1 +- .9	12
2-5	12.0 +- 2.6	16
>5	11.2 +- 3.4	4
UPWIND CONTROL DATA	10.1 +- .7	3

CLINTON
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 830920-840110 113 DAYS
FIELD TIME 96 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Rdm;Tot.	NET EXPOSURE RATE mR/Std.Qtr. +- Rdm;Tot.
001	352	0.6	22.0 +- .7 ; 3.3	18.9 +- .8 ; 3.6
002	7	0.7	23.7 +- .7 ; 3.5	20.5 +- .8 ; 3.8
003	26	0.8	30.2 +- .9 ; 4.5	26.6 +- .9 ; 4.6
004	165	0.5	27.2 +- .8 ; 4.1	23.8 +- .9 ; 4.2
005	187	0.5	27.5 +- .8 ; 4.1	24.1 +- .9 ; 4.3
006	223	0.6	27.1 +- .8 ; 4.1	23.7 +- .9 ; 4.2
007	238	0.8	22.8 +- .7 ; 3.4	19.7 +- .8 ; 3.7
008	62	1.9	23.2 +- .7 ; 3.5	20.1 +- .8 ; 3.7
009	78	1.8	21.6 +- .6 ; 3.2	18.6 +- .7 ; 3.6
010	79	2.6	27.4 +- .8 ; 4.1	24.0 +- .9 ; 4.3
011	104	2.3	22.7 +- .7 ; 3.4	19.6 +- .8 ; 3.7
012	115	3.0	20.8 +- .6 ; 3.1	17.8 +- .7 ; 3.5
013	127	3.2	22.7 +- .7 ; 3.4	19.6 +- .8 ; 3.7
014	160	2.1	23.4 +- .7 ; 3.5	20.3 +- .8 ; 3.8
015	180	3.0	23.8 +- .7 ; 3.6	20.6 +- .8 ; 3.8
016	203	3.2	22.0 +- .7 ; 3.3	18.9 +- .8 ; 3.6
017	235	3.7	20.1 +- .6 ; 3.0	17.2 +- .7 ; 3.4
018	255	2.8	MISSING OR DAMAGED DOSIMETER	
019	275	2.3	21.9 +- .7 ; 3.3	18.9 +- .7 ; 3.6
020	302	0.9	MISSING OR DAMAGED DOSIMETER	
021	305	0.8	22.0 +- .7 ; 3.3	18.9 +- .8 ; 3.6
022	332	0.6	MISSING OR DAMAGED DOSIMETER	
023	358	4.6	21.9 +- .7 ; 3.3	18.9 +- .7 ; 3.6
024	20	3.9	21.8 +- .7 ; 3.3	18.7 +- .7 ; 3.6
025	46	5.0	24.3 +- .7 ; 3.6	21.1 +- .8 ; 3.9
026	62	5.5	20.8 +- .6 ; 3.1	17.8 +- .7 ; 3.5
027	90	4.8	21.4 +- .6 ; 3.2	18.4 +- .7 ; 3.5
028	115	5.2	22.0 +- .7 ; 3.3	18.9 +- .8 ; 3.6
029	128	5.1	22.5 +- .7 ; 3.4	19.4 +- .8 ; 3.7
030	153	5.8	23.5 +- .7 ; 3.5	20.4 +- .8 ; 3.8
031	173	5.2	22.3 +- .7 ; 3.3	19.2 +- .8 ; 3.6
032	205	4.7	22.5 +- .7 ; 3.4	19.4 +- .8 ; 3.7
033	236	5.4	21.9 +- .7 ; 3.3	18.9 +- .7 ; 3.6
034	252	5.8	23.1 +- .7 ; 3.5	19.9 +- .8 ; 3.7
035	263	6.6	19.0 +- .6 ; 2.8	16.1 +- .7 ; 3.2
036	272	4.8	22.1 +- .7 ; 3.3	19.0 +- .8 ; 3.6
037	288	4.8	21.8 +- .7 ; 3.3	18.7 +- .7 ; 3.6
038	297	7.6	20.5 +- .6 ; 3.1	17.5 +- .7 ; 3.4
039	315	5.1	22.6 +- .7 ; 3.4	19.5 +- .8 ; 3.7
040	342	4.8	23.1 +- .7 ; 3.5	20.0 +- .8 ; 3.7
041	65/	10.	20.4 +- .6 ; 3.1	17.4 +- .7 ; 3.4
042	148	13.	24.5 +- .7 ; 3.7	21.3 +- .8 ; 3.9
043	148	13.	24.5 +- .7 ; 3.7	21.3 +- .8 ; 3.9
044	206	15.	20.1 +- .6 ; 3.0	17.2 +- .7 ; 3.4

TRANSIT DOSE = 1.8 +- .5 ; 2.0

CLINTON
FOR THE PERIOD 830920-840110

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
348.75-11.25 (N)	19.4 +- .9	3
11.25-33.75 (NNE)	22.7 +- 5.6	2
33.75-56.25 (NE)	21.1 +- 0.0	1
56.25-78.75 (ENE)	18.5 +- 1.2	4
78.75-101.25 (E)	21.2 +- 3.9	2
101.25-123.75(ESE)	18.8 +- .9	3
123.75-146.25(SE)	19.5 +- .1	2
146.25-168.75(SSE)	21.5 +- 2.0	3
168.75-191.25(S)	21.3 +- 2.5	3
191.25-213.75(SSW)	19.2 +- .3	2
213.75-236.25(SW)	19.9 +- 3.4	3
236.25-258.75(WSW)	19.8 +- .2	2
258.75-281.25(W)	18.0 +- 1.6	3
281.25-303.75(WNW)	18.1 +- .8	2
303.75-326.25(NW)	19.2 +- .4	2
326.25-348.75(NNW)	20.0 +- 0.0	1

DISTANCE(mi) FROM THE REACTOR	NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
0-2	21.5 +- 2.8	10
2-5	19.5 +- 1.5	17
>5	18.8 +- 1.3	11
UPWIND CONTROL DATA	19.9 +- 2.4	3

COMANCHE PK.
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 830926-840111 108 DAYS
FIELD TIME 95 DAYS

NRC STATION	LOCATION AZIMUTH (deg.)	DIST (mi.)	GROSS EXPOSURE(mR) +- Rdm; Tot.	NET EXPOSURE RATE mR/Std.Qtr. +- Rdm; Tot.
001	306	1.4	17.7 +- .5 ; 2.7	15.5 +- .7 ; 3.5
002	285	1.5	15.3 +- .5 ; 2.3	13.2 +- .7 ; 3.2
003	268	1.1	18.4 +- .6 ; 2.8	16.2 +- .8 ; 3.6
004	253	.9	MISSING OR DAMAGED DOSIMETER	
006	200	1	15.9 +- .5 ; 2.4	13.8 +- .7 ; 3.3
007	180	1.4	MISSING OR DAMAGED DOSIMETER	
008	163	1.6	18.0 +- .5 ; 2.7	15.8 +- .8 ; 3.5
009	140	1.3	18.3 +- .5 ; 2.7	16.1 +- .8 ; 3.5
010	118	1.5	15.2 +- .5 ; 2.3	13.1 +- .7 ; 3.2
011	93	1.9	15.0 +- .5 ; 2.3	13.0 +- .7 ; 3.2
012	73	2.4	20.1 +- .6 ; 3.0	17.7 +- .8 ; 3.7
013	245	1.7	15.9 +- .5 ; 2.4	13.8 +- .7 ; 3.3
014	156	4.3	17.1 +- .5 ; 2.6	14.9 +- .7 ; 3.4
015	186	7	16.4 +- .5 ; 2.5	14.3 +- .7 ; 3.4
016	183	4.1	20.8 +- .6 ; 3.1	18.5 +- .8 ; 3.8
017	205	4.3	17.3 +- .5 ; 2.6	15.1 +- .7 ; 3.4
018	225	3.4	14.6 +- .4 ; 2.2	12.6 +- .7 ; 3.2
019	245	5.2	17.4 +- .5 ; 2.6	15.2 +- .7 ; 3.4
020	264	5.8	15.6 +- .5 ; 2.3	13.5 +- .7 ; 3.3
021	258	3.2	15.6 +- .5 ; 2.3	13.5 +- .7 ; 3.3
022	284	5.1	14.6 +- .4 ; 2.2	12.6 +- .7 ; 3.2
023	313	5.8	17.0 +- .5 ; 2.6	14.9 +- .7 ; 3.4
024	332	4.9	16.9 +- .5 ; 2.5	14.7 +- .7 ; 3.4
025	9	4.6	20.0 +- .6 ; 3.0	17.7 +- .8 ; 3.7
026	26	4.5	17.5 +- .5 ; 2.6	15.3 +- .7 ; 3.5
027	47	4.1	16.0 +- .5 ; 2.4	13.9 +- .7 ; 3.3
028	6	1.8	16.8 +- .5 ; 2.5	14.6 +- .7 ; 3.4
029	16	1.9	17.1 +- .5 ; 2.6	14.9 +- .7 ; 3.4
030	102	3	17.2 +- .5 ; 2.6	15.0 +- .7 ; 3.4
031	108	3.9	19.9 +- .6 ; 3.0	17.6 +- .8 ; 3.7
032	135	4.6	20.1 +- .6 ; 3.0	17.7 +- .8 ; 3.7
033	152	6.3	16.0 +- .5 ; 2.4	13.9 +- .7 ; 3.3
034	47	2.9	14.9 +- .4 ; 2.2	12.9 +- .7 ; 3.2
035	85	4.8	21.0 +- .6 ; 3.2	18.6 +- .8 ; 3.8
036	115	7.5	16.9 +- .5 ; 2.5	14.7 +- .7 ; 3.4
037	355	9.4	17.1 +- .5 ; 2.6	14.9 +- .7 ; 3.4
038	337	9.2	19.9 +- .6 ; 3.0	17.6 +- .8 ; 3.7
039	310	9.9	19.8 +- .6 ; 3.0	17.5 +- .8 ; 3.7
040	302	8.1	19.4 +- .6 ; 2.9	17.1 +- .8 ; 3.7
041	248	7.9	21.7 +- .6 ; 3.2	19.3 +- .8 ; 3.9
042	90	.5	16.3 +- .5 ; 2.4	14.1 +- .7 ; 3.3
043	18	9.8	20.4 +- .6 ; 3.1	18.1 +- .8 ; 3.8
044	263	1.7	15.2 +- .5 ; 2.3	13.1 +- .7 ; 3.2
045	218	12.	20.6 +- .6 ; 3.1	18.3 +- .8 ; 3.8
046	140	12.	20.3 +- .6 ; 3.0	18.0 +- .8 ; 3.8
047	301	21.	19.6 +- .6 ; 2.9	17.3 +- .8 ; 3.7
TRANSIT DOSE =			1.3 +- .6 ; 2.5	

COMANCHE PK.
FOR THE PERIOD 830926-840111

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
348.75-11.25 (N)	15.7 +- 1.7	3
11.25-33.75 (NNE)	16.1 +- 1.7	3
33.75-56.25 (NE)	13.4 +- .7	2
56.25-78.75 (ENE)	17.7 +- 0.0	1
78.75-101.25 (E)	15.2 +- 3.0	3
101.25-123.75(ESE)	15.1 +- 1.8	4
123.75-146.25(SE)	17.3 +- 1.0	3
146.25-168.75(SSE)	14.9 +- 1.0	3
168.75-191.25(S)	16.4 +- 2.9	2
191.25-213.75(SSW)	14.4 +- 1.0	2
213.75-236.25(SW)	15.4 +- 4.0	2
236.25-258.75(WSW)	15.4 +- 2.7	4
258.75-281.25(W)	14.3 +- 1.7	3
281.25-303.75(WNW)	15.1 +- 2.5	4
303.75-326.25(NW)	16.0 +- 1.4	3
326.25-348.75(NNW)	16.2 +- 2.0	2

DISTANCE(mi) FROM THE REACTOR	NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
0-2	14.4 +- 1.2	13
2-5	15.7 +- 2.1	15
>5	16.1 +- 2.0	16
UPWIND CONTROL DATA	NO DATA	NO DATA

D.C.COOK
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 830927-840120 116 DAYS
FIELD TIME 82 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Rdm;Tot.	NET EXPOSURE RATE mR/Std.Qtr. +- Rdm;Tot.
001	54	1.7	24.0 +- .7 ; 3.6	20.7 +- 1.0 ; 5.0
002	67	1.3	23.8 +- .7 ; 3.6	20.5 +- 1.0 ; 4.9
003	89	1.1	22.0 +- .7 ; 3.3	18.4 +- 1.0 ; 4.7
004	58	0.7	22.6 +- .7 ; 3.4	19.1 +- 1.0 ; 4.8
005	19	2.3	MISSING OR DAMAGED DOSIMETER	
006	111	1.6	23.4 +- .7 ; 3.5	20.0 +- 1.0 ; 4.9
007	135	1.5	22.7 +- .7 ; 3.4	19.2 +- 1.0 ; 4.8
008	158	1.4	22.7 +- .7 ; 3.4	19.3 +- 1.0 ; 4.8
009	171	1.9	23.0 +- .7 ; 3.5	19.6 +- 1.0 ; 4.8
010	199	1.5	22.1 +- .7 ; 3.3	18.6 +- 1.0 ; 4.7
011	195	3.9	16.6 +- .5 ; 2.5	12.5 +- .9 ; 4.1
012	200	6.6	MISSING OR DAMAGED DOSIMETER	
013	179	3.9	MISSING OR DAMAGED DOSIMETER	
014	151	4.4	26.1 +- .8 ; 3.9	22.9 +- 1.1 ; 5.2
015	130	4.6	25.8 +- .8 ; 3.9	22.6 +- 1.1 ; 5.2
016	110	3.7	MISSING OR DAMAGED DOSIMETER	
017	88	3.6	22.1 +- .7 ; 3.3	18.6 +- 1.0 ; 4.7
018	67	3.8	23.3 +- .7 ; 3.5	19.9 +- 1.0 ; 4.9
019	24	3.8	23.9 +- .7 ; 3.6	20.6 +- 1.0 ; 4.9
020	43	3.3	24.8 +- .7 ; 3.7	21.6 +- 1.1 ; 5.1
021	26	9.9	25.9 +- .8 ; 3.9	22.8 +- 1.1 ; 5.2
022	121	18.	20.7 +- .6 ; 3.1	17.1 +- 1.0 ; 4.5
023	121	18.	24.1 +- .7 ; 3.6	20.8 +- 1.0 ; 5.0
024	121	18.	21.9 +- .7 ; 3.3	18.4 +- 1.0 ; 4.7
TRANSIT DOSE =			5.1 +- .6 ; 2.7	

D.C.COOK
FOR THE PERIOD 830927-840120

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
348.75-11.25 (N)	NO DATA+-NO DATA	0
11.25-33.75 (NNE)	21.7 +- 1.6	2
33.75-56.25 (NE)	21.1 +- .6	2
56.25-78.75 (ENE)	19.8 +- .7	3
78.75-101.25 (E)	18.5 +- .1	2
101.25-123.75(ESE)	20.0 +- 0.0	1
123.75-146.25(SE)	20.9 +- 2.4	2
146.25-168.75(SSE)	21.1 +- 2.6	2
168.75-191.25(S)	19.6 +- 0.0	1
191.25-213.75(SSW)	15.5 +- 4.3	2
213.75-236.25(SW)	NO DATA+-NO DATA	0
236.25-258.75(WSW)	NO DATA+-NO DATA	0
258.75-281.25(W)	NO DATA+-NO DATA	0
281.25-303.75(WNW)	NO DATA+-NO DATA	0
303.75-326.25(NW)	NO DATA+-NO DATA	0
326.25-348.75(NNW)	NO DATA+-NO DATA	0

DISTANCE(mi) FROM THE REACTOR	NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
0-2	19.5 +- .8	9
2-5	19.8 +- 3.6	7
>5	22.8 +- 0.0	1
UPWIND CONTROL DATA	18.7 +- 1.9	3

COOPER
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 830927-840126 122 DAYS
FIELD TIME 85 DAYS

NRC STATION	LOCATION AZIMUTH (deg.)	DIST (mi.)	GROSS EXPOSURE(mR) +- Rdm; Tot.			NET EXPOSURE RATE mR/Std.Qtr. +- Rdm; Tot.
001	363	2.4	28.2	+- .8	4.2	NO NET DATA
002	6	3.5	30.0	+- .9	4.5	NO NET DATA
003	18	2.7	30.8	+- .9	4.6	NO NET DATA
004	16	3.2	30.6	+- .9	4.6	NO NET DATA
005	47	1.9	30.6	+- .9	4.6	NO NET DATA
006	40	3.6	30.0	+- .9	4.5	NO NET DATA
007	75	2.7	29.0	+- .9	4.3	NO NET DATA
008	55	2.8	29.4	+- .9	4.4	NO NET DATA
009	80	2.1	29.9	+- .9	4.5	NO NET DATA
010	98	3.7	28.9	+- .9	4.3	NO NET DATA
011	118	2.3	30.8	+- .9	4.6	NO NET DATA
012	109	4.6	30.5	+- .9	4.6	NO NET DATA
013	141	3.2	29.7	+- .9	4.5	NO NET DATA
014	126	5.6	22.5	+- .7	3.4	NO NET DATA
015	159	2.7	29.4	+- .9	4.4	NO NET DATA
016	167	4.9	30.1	+- .9	4.5	NO NET DATA
017	205	0.3	25.4	+- .8	3.8	NO NET DATA
018	186	4.7	30.4	+- .9	4.6	NO NET DATA
019	213	3.0	29.4	+- .9	4.4	NO NET DATA
020	195	4.9	29.1	+- .9	4.4	NO NET DATA
021	222	2.0	26.0	+- .8	3.9	NO NET DATA
022	215	5.7	30.3	+- .9	4.5	NO NET DATA
023	256	1.5	29.0	+- .9	4.4	NO NET DATA
024	238	5.2	31.3	+- .9	4.7	NO NET DATA
025	276	2.2	29.5	+- .9	4.4	NO NET DATA
026	260	3.8	29.3	+- .9	4.4	NO NET DATA
027	301	1.8	29.4	+- .9	4.4	NO NET DATA
028	286	4.3	30.3	+- .9	4.5	NO NET DATA
029	324	2.8	29.6	+- .9	4.4	NO NET DATA
030	333	3.7	29.3	+- .9	4.4	NO NET DATA
031	343	2.6	26.1	+- .8	3.9	NO NET DATA
032	333	3.7	29.5	+- .9	4.4	NO NET DATA
033	215	1.0	30.2	+- .9	4.5	NO NET DATA
034	173	18.	30.7	+- .9	4.6	NO NET DATA
035	333	23.	27.6	+- .8	4.1	NO NET DATA
036	210	19.	24.8	+- .7	3.7	NO NET DATA
037	64	7.0	32.1	+- 1.0	4.8	NO NET DATA
038	329	9.0	31.1	+- .9	4.7	NO NET DATA
039	276	10.	31.3	+- .9	4.7	NO NET DATA
040	300	2.5	30.7	+- .9	4.6	NO NET DATA
042	93	3.5	30.7	+- .9	4.6	NO NET DATA
043	270	2.2	30.5	+- .9	4.6	NO NET DATA

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

COOPER
FOR THE PERIOD 830927-840126

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
348.75-11.25 (N)	21.4 +- .9	2
11.25-33.75 (NNE)	22.6 +- .1	2
33.75-56.25 (NE)	22.1 +- .4	3
56.25-78.75 (ENE)	22.5 +- 1.6	2
78.75-101.25 (E)	22.0 +- .7	3
101.25-123.75(ESE)	22.6 +- .1	2
123.75-146.25(SE)	19.3 +- 3.8	2
146.25-168.75(SSE)	21.9 +- .4	2
168.75-191.25(S)	22.4 +- 0.0	1
191.25-213.75(SSW)	20.6 +- 1.6	3
213.75-236.25(SW)	21.2 +- 1.8	3
236.25-258.75(WSW)	22.2 +- 1.2	2
258.75-281.25(W)	22.2 +- .7	4
281.25-303.75(WNW)	22.2 +- .5	3
303.75-326.25(NW)	21.8 +- 0.0	1
326.25-348.75(NNW)	21.4 +- 1.5	4

DISTANCE(mi) FROM THE REACTOR	AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
0-2	21.0 +- 1.6	6
2-5	21.9 +- .7	27
>5	21.9 +- 2.7	6
UPWIND CONTROL DATA	20.4 +- 2.2	3

CRYSTAL RIVER
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 830923-840110 110 DAYS
FIELD TIME 84 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Rdm;Tot.			NET EXPOSURE RATE mR/Std.Qtr. +- Rdm;Tot.
005	61	4.2	18.7 +-	.6 ;	2.8	NO NET DATA
007	50	3.8	17.9 +-	.5 ;	2.7	NO NET DATA
008	20	5.2	17.1 +-	.5 ;	2.6	NO NET DATA
009	6	5.4	19.0 +-	.6 ;	2.8	NO NET DATA
010	348	5.0	18.8 +-	.6 ;	2.8	NO NET DATA
011	334	4.8	21.9 +-	.7 ;	3.3	NO NET DATA
012	318	4.8	17.2 +-	.5 ;	2.6	NO NET DATA
013	79	3.8	18.1 +-	.5 ;	2.7	NO NET DATA
014	95	4.1	19.7 +-	.6 ;	2.9	NO NET DATA
015	89	1.8	19.1 +-	.6 ;	2.9	NO NET DATA
016	113	5.0	17.9 +-	.5 ;	2.7	NO NET DATA
017	133	5.5	17.4 +-	.5 ;	2.6	NO NET DATA
018	74	8.1	12.7 +-	.4 ;	1.9	NO NET DATA
019	127	7.6	17.8 +-	.5 ;	2.7	NO NET DATA
020	150	12.	16.3 +-	.5 ;	2.4	NO NET DATA
021	159	13.	18.4 +-	.6 ;	2.8	NO NET DATA
022	150	20.	17.5 +-	.5 ;	2.6	NO NET DATA
023	150	20.	16.6 +-	.5 ;	2.5	NO NET DATA
024	150	20.	17.5 +-	.5 ;	2.6	NO NET DATA
025	56	6.1	17.3 +-	.5 ;	2.6	NO NET DATA
026	357	5.2	19.1 +-	.6 ;	2.9	NO NET DATA
027	90/	13.	17.5 +-	.5 ;	2.6	NO NET DATA
028	140	4.8	18.1 +-	.5 ;	2.7	NO NET DATA

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

CRYSTAL RIVER
FOR THE PERIOD 830923-840110

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
348.75-11.25 (N)	15.6 +- .1	2
11.25-33.75 (NNE)	14.0 +- 0.0	1
33.75-56.25 (NE)	14.4 +- .3	2
56.25-78.75 (ENE)	12.8 +- 3.5	2
78.75-101.25 (E)	15.2 +- .8	4
101.25-123.75(ESE)	14.6 +- 0.0	1
123.75-146.25(SE)	14.5 +- .3	3
146.25-168.75(SSE)	14.2 +- 1.2	2
168.75-191.25(S)	NO DATA+-NO DATA	0
191.25-213.75(SSW)	NO DATA+-NO DATA	0
213.75-236.25(SW)	NO DATA+-NO DATA	0
236.25-258.75(WSW)	NO DATA+-NO DATA	0
258.75-281.25(W)	NO DATA+-NO DATA	0
281.25-303.75(WNW)	NO DATA+-NO DATA	0
303.75-326.25(NW)	14.0 +- 0.0	1
326.25-348.75(NNW)	16.6 +- 1.8	2

DISTANCE(mi) FROM THE REACTOR	AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
0-2	15.6 +- 0.0	1
2-5	15.3 +- 1.1	9
>5	14.1 +- 1.5	10
UPWIND CONTROL DATA	14.0 +- .4	3

DAVIS BESSE
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 830926-840210 138 DAYS
FIELD TIME 81 DAYS

NRC STATION	LOCATION AZIMUTH (deg.)	LOCATION DIST (mi.)	GROSS EXPOSURE(mR) +- Rdm; Tot.		NET EXPOSURE RATE mR/Std.Qtr. +- Rdm; Tot.		
001	50	0.6	27.4 +- .8	4.1	13.9 +- 1.3	6.2	
002	86	0.9	29.8 +- .9	4.5	16.6 +- 1.3	6.5	
003	116	1.4	27.3 +- .8	4.1	13.8 +- 1.3	6.2	
004	172	0.8	30.7 +- .9	4.6	17.5 +- 1.3	6.6	
005	200	1.5	33.8 +- 1.0	5.1	21.0 +- 1.4	7.0	
006	226	1.0	30.9 +- .9	4.6	17.8 +- 1.3	6.6	
007	249	1.5	31.5 +- .9	4.7	18.5 +- 1.4	6.7	
008	267	1.8	32.1 +- 1.0	4.8	19.1 +- 1.4	6.8	
009	285	1.8	MISSING OR DAMAGED DOSIMETER				
010	306	1.5	30.9 +- .9	4.6	17.8 +- 1.4	6.6	
011	344	0.9	MISSING OR DAMAGED DOSIMETER				
012	142	4.5	31.5 +- .9	4.7	18.5 +- 1.4	6.7	
013	158	4.0	33.8 +- 1.0	5.1	21.0 +- 1.4	7.0	
014	180	3.8	28.4 +- .9	4.3	15.0 +- 1.3	6.3	
015	207	4.8	32.0 +- 1.0	4.8	19.0 +- 1.4	6.8	
016	225	4.5	31.8 +- 1.0	4.8	18.8 +- 1.4	6.8	
017	254	2.7	34.5 +- 1.0	5.2	21.8 +- 1.4	7.1	
018	269	3.0	29.0 +- .9	4.4	15.7 +- 1.3	6.4	
019	295	5.3	32.8 +- 1.0	4.9	19.9 +- 1.4	6.9	
020	25	0.5	MISSING OR DAMAGED DOSIMETER				
021	132	9.7	29.8 +- .9	4.5	16.5 +- 1.3	6.5	
022	210	6.5	28.3 +- .8	4.2	14.9 +- 1.3	6.3	
TRANSIT DOSE =			14.9 +- .8	3.8			

DAVIS BESSE
FOR THE PERIOD 830926-840210

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
348.75-11.25 (N)	NO DATA+-NO DATA	0
11.25-33.75 (NNE)	NO DATA+-NO DATA	0
33.75-56.25 (NE)	13.9 +- 0.0	1
56.25-78.75 (ENE)	NO DATA+-NO DATA	0
78.75-101.25 (E)	16.6 +- 0.0	1
101.25-123.75(ESE)	13.8 +- 0.0	1
123.75-146.25(SE)	18.5 +- 0.0	1
146.25-168.75(SSE)	21.0 +- 0.0	1
168.75-191.25(S)	16.3 +- 1.8	2
191.25-213.75(SSW)	20.0 +- 1.4	2
213.75-236.25(SW)	18.3 +- .7	2
236.25-258.75(WSW)	20.1 +- 2.3	2
258.75-281.25(W)	17.4 +- 2.4	2
281.25-303.75(WNW)	19.9 +- 0.0	1
303.75-326.25(NW)	17.8 +- 0.0	1
326.25-348.75(NNW)	NO DATA+-NO DATA	0

DISTANCE(mi) FROM THE REACTOR	NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
0-2	17.3 +- 2.3	9
2-5	18.5 +- 2.5	7
>5	19.9 +- 0.0	1
UPWIND CONTROL DATA	15.7 +- 1.1	2

DIABLO CANYON
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 830929-840202 127 DAYS
FIELD TIME 108 DAYS

NRC STATION	LOCATION AZIMUTH (deg.)	LOCATION DIST (mi.)	GROSS EXPOSURE(mR) +- Rdm; Tot.	NET EXPOSURE RATE mR/Std.Qtr. +- Rdm; Tot.
001	125	1.0	35.8 +- 1.1 ; 5.4	26.6 +- 1.1 ; 5.4
002	119	4.2	31.1 +- .9 ; 4.7	22.7 +- 1.0 ; 4.9
003	107	6.9	30.5 +- .9 ; 4.6	22.2 +- 1.0 ; 4.8
004	109	11.	31.3 +- .9 ; 4.7	22.9 +- 1.0 ; 4.9
005	113	14.	30.2 +- .9 ; 4.5	22.0 +- 1.0 ; 4.8
006	68	9.6	29.7 +- .9 ; 4.5	21.6 +- 1.0 ; 4.7
007	359	11.	28.0 +- .8 ; 4.2	20.1 +- 1.0 ; 4.6
008	359	6.6	25.5 +- .8 ; 3.8	18.1 +- .9 ; 4.3
009	339	4.7	24.2 +- .7 ; 3.6	16.9 +- .9 ; 4.2
011	332	1.3	24.1 +- .7 ; 3.6	16.8 +- .9 ; 4.2
012	37	21.	30.2 +- .9 ; 4.5	22.0 +- 1.0 ; 4.8
013	37	21.	30.5 +- .9 ; 4.6	22.2 +- 1.0 ; 4.8
014	37	21.	30.2 +- .9 ; 4.5	21.9 +- 1.0 ; 4.8
018	162	9.3	MISSING OR DAMAGED DOSIMETER	

TRANSIT DOSE = 3.8 +- .8 ; 3.5

DIABLO CANYON
FOR THE PERIOD 830929-840202

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
348.75-11.25 (N)	19.1 +- 1.4	2
11.25-33.75 (NNE)	NO DATA+-NO DATA	0
33.75-56.25 (NE)	NO DATA+-NO DATA	0
56.25-78.75 (ENE)	21.6 +- 0.0	1
78.75-101.25 (E)	NO DATA+-NO DATA	0
101.25-123.75(ESE)	22.4 +- .4	4
123.75-146.25(SE)	26.6 +- 0.0	1
146.25-168.75(SSE)	NO DATA+-NO DATA	0
168.75-191.25(S)	NO DATA+-NO DATA	0
191.25-213.75(SSW)	NO DATA+-NO DATA	0
213.75-236.25(SW)	NO DATA+-NO DATA	0
236.25-258.75(WSW)	NO DATA+-NO DATA	0
258.75-281.25(W)	NO DATA+-NO DATA	0
281.25-303.75(WNW)	NO DATA+-NO DATA	0
303.75-326.25(NW)	NO DATA+-NO DATA	0
326.25-348.75(NNW)	16.9 +- .1	2

DISTANCE(mi) FROM THE REACTOR	NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
0-2	21.7 +- 6.9	2
2-5	19.8 +- 4.1	2
>5	21.1 +- 1.8	6
UPWIND CONTROL DATA	22.0 +- .2	3

DRESDEN
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 830920-840110 113 DAYS
FIELD TIME 98 DAYS

NRC STATION	LOCATION AZIMUTH (deg.)	DIST (mi.)	GROSS EXPOSURE(mR) +- Rdm; Tot.	NET EXPOSURE RATE mR/Std.Qtr. +- Rdm; Tot.
001	70	4.2	24.7 +- .7 ; 3.7	20.9 +- .9 ; 4.3
002	92	3.9	22.9 +- .7 ; 3.4	19.2 +- .9 ; 4.2
003	119	3.2	24.4 +- .7 ; 3.7	20.6 +- .9 ; 4.3
004	134	1.3	21.5 +- .6 ; 3.2	18.0 +- .9 ; 4.0
005	115	1.5	20.7 +- .6 ; 3.1	17.2 +- .8 ; 3.9
006	180	1.9	24.9 +- .7 ; 3.7	21.1 +- .9 ; 4.4
007	179	0.5	23.8 +- .7 ; 3.6	20.0 +- .9 ; 4.3
008	166	0.7	21.8 +- .7 ; 3.3	18.2 +- .9 ; 4.0
009	205	0.5	24.1 +- .7 ; 3.6	20.3 +- .9 ; 4.3
010	224	0.7	28.0 +- .8 ; 4.2	23.9 +- 1.0 ; 4.7
011	250	0.9	22.0 +- .7 ; 3.3	18.4 +- .9 ; 4.1
012	263	1.6	24.3 +- .7 ; 3.6	20.5 +- .9 ; 4.3
013	180	4.0	21.4 +- .6 ; 3.2	17.8 +- .9 ; 4.0
014	158	4.8	21.2 +- .6 ; 3.2	17.7 +- .9 ; 4.0
015	137	4.2	MISSING OR DAMAGED DOSIMETER	
016	134	8.4	21.1 +- .6 ; 3.2	17.5 +- .9 ; 4.0
017	189	7.4	22.6 +- .7 ; 3.4	18.9 +- .9 ; 4.1
018	203	4.1	21.3 +- .5 ; 3.2	17.8 +- .9 ; 4.0
019	231	3.8	26.3 +- .8 ; 3.9	22.3 +- 1.0 ; 4.5
020	244	6.4	MISSING OR DAMAGED DOSIMETER	
021	258	8.6	25.1 +- .8 ; 3.8	21.2 +- .9 ; 4.4
022	269	4.4	20.4 +- .6 ; 3.1	16.9 +- .8 ; 3.9
023	295	3.3	24.2 +- .7 ; 3.6	20.4 +- .9 ; 4.3
024	311	3.9	22.3 +- .7 ; 3.3	18.7 +- .9 ; 4.1
025	340	4.7	29.1 +- .9 ; 4.4	24.9 +- 1.0 ; 4.8
026	7	4.4	22.8 +- .7 ; 3.4	19.1 +- .9 ; 4.1
027	1	2.0	26.9 +- .8 ; 4.0	22.9 +- 1.0 ; 4.6
028	327	1.7	27.6 +- .8 ; 4.1	23.5 +- 1.0 ; 4.7
029	318	1.4	26.0 +- .8 ; 3.9	22.1 +- .9 ; 4.5
030	301	1.9	22.8 +- .7 ; 3.4	19.2 +- .9 ; 4.2
031	30	1.5	MISSING OR DAMAGED DOSIMETER	
032	48	1.9	28.5 +- .9 ; 4.3	24.3 +- 1.0 ; 4.8
033	76	1.4	26.5 +- .8 ; 4.0	22.6 +- 1.0 ; 4.5
034	90	1.4	26.6 +- .8 ; 4.0	22.6 +- 1.0 ; 4.6
035	26	4.5	25.3 +- .8 ; 3.8	21.4 +- .9 ; 4.4
036	42	3.6	23.7 +- .7 ; 3.6	20.0 +- .9 ; 4.2
037	52/	11.	20.8 +- .6 ; 3.1	17.3 +- .8 ; 3.9
038	274	23.	24.8 +- .7 ; 3.7	20.9 +- .9 ; 4.4
039	274	23.	25.8 +- .8 ; 3.9	21.9 +- .9 ; 4.5
040	275	24.	26.5 +- .8 ; 4.0	22.6 +- 1.0 ; 4.5
TRANSIT DOSE =			1.9 +- .7 ; 3.0	

DRESDEN
FOR THE PERIOD 830920-840110

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
348.75-11.25 (N)	21.0 +- 2.7	2
11.25-33.75 (NNE)	21.4 +- 0.0	1
33.75-56.25 (NE)	20.5 +- 3.6	3
56.25-78.75 (ENE)	21.7 +- 1.2	2
78.75-101.25 (E)	20.9 +- 2.4	2
101.25-123.75(ESE)	18.9 +- 2.4	2
123.75-146.25(SE)	17.8 +- .3	2
146.25-168.75(SSE)	17.9 +- .4	2
168.75-191.25(S)	19.5 +- 1.4	4
191.25-213.75(SSW)	19.0 +- 1.8	2
213.75-236.25(SW)	23.1 +- 1.1	2
236.25-258.75(WSW)	19.8 +- 2.0	2
258.75-281.25(W)	18.7 +- 2.5	2
281.25-303.75(WNW)	19.8 +- .9	2
303.75-326.25(NW)	20.4 +- 2.4	2
326.25-348.75(NNW)	24.2 +- 1.0	2

DISTANCE(mi) FROM THE REACTOR	NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
0-2	20.9 +- 2.3	16
2-5	19.8 +- 2.1	14
>5	18.7 +- 1.8	4
UPWIND CONTROL DATA	21.8 +- .8	3

DUANE ARNOLD
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 831004-840110 99 DAYS
FIELD TIME 83 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Rdm;Tot.		NET EXPOSURE RATE mR/Std.Qtr. +- Rdm;Tot.	
001	163	9.7	19.9 +- .6	3.0	16.9 +- .9	4.1
002	170	6.2	23.3 +- .7	3.5	20.5 +- 1.0	4.6
003	180	3.5	19.7 +- .6	3.0	16.7 +- .9	4.1
004	216	2.9	MISSING OR DAMAGED DOSIMETER			
005	201	2.5	18.7 +- .6	2.8	15.5 +- .9	4.0
006	213	1.0	19.9 +- .6	3.0	16.9 +- .9	4.1
007	248	1.0	22.4 +- .7	3.4	19.6 +- .9	4.4
008	279	1.0	21.8 +- .7	3.3	19.0 +- .9	4.4
009	298	1.0	23.0 +- .7	3.5	20.3 +- 1.0	4.5
010	320	1.5	22.2 +- .7	3.3	19.4 +- .9	4.4
011	343	1.0	22.6 +- .7	3.4	19.8 +- 1.0	4.5
012	359	1.2	22.2 +- .7	3.3	19.4 +- .9	4.4
013	237	0.5	21.8 +- .7	3.3	18.9 +- .9	4.4
014	259	3.9	22.2 +- .7	3.3	19.3 +- .9	4.4
015	272	5.0	20.1 +- .6	3.0	17.1 +- .9	4.1
016	285	5.0	20.1 +- .6	3.0	17.1 +- .9	4.1
017	308	4.5	22.8 +- .7	3.4	20.0 +- 1.0	4.5
018	340	4.5	19.9 +- .6	3.0	16.8 +- .9	4.1
019	291	15.	20.1 +- .6	3.0	17.1 +- .9	4.1
020	291	15.	21.2 +- .6	3.2	18.3 +- .9	4.3
021	291	15.	20.1 +- .6	3.0	17.1 +- .9	4.1
022	358	6.1	MISSING OR DAMAGED DOSIMETER			
023	7	2.9	18.8 +- .6	2.8	15.7 +- .9	4.0
024	28	3.0	20.7 +- .6	3.1	17.8 +- .9	4.2
025	39	3.5	21.0 +- .6	3.1	18.0 +- .9	4.3
026	64	3.8	21.1 +- .6	3.2	18.1 +- .9	4.3
027	50	1.9	20.0 +- .6	3.0	17.0 +- .9	4.1
028	72	2.3	19.7 +- .6	2.9	16.6 +- .9	4.1
029	91	3.0	16.7 +- .5	2.5	13.4 +- .8	3.7
030	93	1.8	22.3 +- .7	3.3	19.5 +- .9	4.4
031	113	2.0	22.7 +- .7	3.4	19.9 +- 1.0	4.5
032	141	1.6	19.6 +- .6	2.9	16.6 +- .9	4.1
033	153	1.5	21.6 +- .6	3.2	18.7 +- .9	4.3
034	177	1.2	MISSING OR DAMAGED DOSIMETER			
035	153	4.2	19.0 +- .6	2.9	15.9 +- .9	4.0
036	135	4.1	19.7 +- .6	2.9	16.6 +- .9	4.1
037	111	4.6	21.8 +- .7	3.3	19.0 +- .9	4.4
038	123	5.1	22.8 +- .7	3.4	20.0 +- 1.0	4.5
039	132	7.0	MISSING OR DAMAGED DOSIMETER			
040	139	7.6	16.4 +- .5	2.5	13.1 +- .8	3.7
TRANSIT DOSE = 4.3 +- .6 ; 2.4						

DUANE ARNOLD
FOR THE PERIOD 831004-840110

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
348.75-11.25 (N)	17.6 +- 2.6	2
11.25-33.75 (NNE)	17.8 +- 0.0	1
33.75-56.25 (NE)	17.5 +- .7	2
56.25-78.75 (ENE)	17.4 +- 1.1	2
78.75-101.25 (E)	16.4 +- 4.3	2
101.25-123.75(ESE)	19.6 +- .6	3
123.75-146.25(SE)	15.4 +- 2.1	3
146.25-168.75(SSE)	17.2 +- 1.4	3
168.75-191.25(S)	18.6 +- 2.7	2
191.25-213.75(SSW)	16.2 +- 1.0	2
213.75-236.25(SW)	NO DATA+-NO DATA	0
236.25-258.75(WSW)	19.2 +- .5	2
258.75-281.25(W)	18.5 +- 1.2	3
281.25-303.75(WNW)	18.7 +- 2.2	2
303.75-326.25(NW)	19.7 +- .4	2
326.25-348.75(NNW)	18.3 +- 2.1	2

DISTANCE(mi) FROM THE REACTOR	NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
0-2	18.8 +- 1.2	13
2-5	17.1 +- 1.6	16
>5	17.6 +- 3.4	4
UPWIND CONTROL DATA	17.5 +- .7	3

FARLEY
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 831005-840120 108 DAYS
FIELD TIME 86 DAYS

NRC STATION	LOCATION AZIMUTH (deg.)	LOCATION DIST (mi.)	GROSS EXPOSURE(mR) +- Rdm	GROSS EXPOSURE(mR) Tot.	NET EXPOSURE RATE mR/Std.Qtr. +- Rdm	NET EXPOSURE RATE mR/Std.Qtr. Tot.
001	268	14.	20.1 +- .6	3.0	15.9 +- .9	4.2
002	252	7.8	20.8 +- .6	3.1	16.6 +- .9	4.3
003	217	6.1	20.4 +- .6	3.1	16.2 +- .9	4.2
004	155	5.7	23.9 +- .7	3.6	19.8 +- 1.0	4.6
005	170	5.1	20.7 +- .6	3.1	16.5 +- .9	4.2
006	197	4.5	18.9 +- .6	2.8	14.7 +- .9	4.0
007	191	2.4	24.0 +- .7	3.6	19.9 +- 1.0	4.7
008	200	1.8	21.2 +- .6	3.2	17.1 +- .9	4.3
009	220	1.2	19.9 +- .6	3.0	15.7 + .9	4.2
010	254	.9	20.1 +- .6	3.0	15.9 +- .9	4.2
011	300	.9	20.6 +- .6	3.1	16.4 +- .9	4.2
012	319	1.1	22.6 +- .7	3.4	18.5 +- 1.0	4.5
013	338	1.3	20.0 +- .6	3.0	15.8 +- .9	4.2
014	256	1.2	20.0 +- .6	3.0	15.8 +- .9	4.2
015	16	1.3	24.1 +- .7	3.6	20.1 +- 1.0	4.7
016	264	1.6	20.2 +- .6	3.0	16.0 +- .9	4.2
017	253	3.5	21.8 +- .7	3.3	17.7 +- .9	4.4
018	233	3.2	20.1 +- .6	3.0	15.9 +- .9	4.2
019	267	4.5	18.1 +- .5	2.7	13.8 +- .9	3.9
020	295	3.8	23.1 +- .7	3.5	19.1 +- 1.0	4.5
021	315	4.6	20.0 +- .6	3.0	15.8 +- .9	4.2
022	332	4.3	19.9 +- .6	3.0	15.7 +- .9	4.2
023	251	4.8	MISSING OR DAMAGED DOSIMETER			
024	32	5.3	21.1 +- .6	3.2	17.0 +- .9	4.3
025	54	6.2	20.0 +- .6	3.0	15.8 +- .9	4.2
026	64	5.5	20.3 +- .6	3.0	16.1 +- .9	4.2
027	88	4.7	21.5 +- .6	3.2	17.4 +- .9	4.3
028	124	5.1	21.8 +- .7	3.3	17.7 +- .9	4.4
029	153	4.1	21.5 +- .6	3.2	17.4 +- .9	4.3
030	142	3.6	19.0 +- .6	2.9	14.8 +- .9	4.1
031	130	3	19.1 +- .6	2.9	14.8 +- .9	4.1
032	110	2.8	20.1 +- .6	3.0	15.9 +- .9	4.2
033	78	2.6	20.8 +- .6	3.1	16.6 +- .9	4.3
034	58	2.2	18.8 +- .6	2.8	14.5 +- .9	4.0
035	34	2.4	23.0 +- .7	3.4	18.9 +- 1.0	4.5
036	19	2.7	22.1 +- .7	3.3	18.0 +- .9	4.4
037	284	10	22.4 +- .7	3.4	18.3 +- 1.0	4.5
038	289	15.	22.2 +- .7	3.3	18.1 +- .9	4.4
039	293	15.	18.8 +- .6	2.8	14.5 +- .9	4.0

TRANSIT DOSE = 4.9 +- .6 ; 2.6

FARLEY
FOR THE PERIOD 831005-840120

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
348.75-11.25 (N)	NO DATA+-NO DATA	0
11.25-33.75 (NNE)	18.3 +- 1.6	3
33.75-56.25 (NE)	17.4 +- 2.2	2
56.25-78.75 (ENE)	15.7 +- 1.1	3
78.75-101.25 (E)	17.4 +- 0.0	1
101.25-123.75(ESE)	15.9 +- 0.0	1
123.75-146.25(SE)	15.8 +- 1.7	3
146.25-168.75(SSE)	18.6 +- 1.7	2
168.75-191.25(S)	18.2 +- 2.4	2
191.25-213.75(SSW)	15.9 +- 1.7	2
213.75-236.25(SW)	15.9 +- .3	3
236.25-258.75(WSW)	16.5 +- .9	4
258.75-281.25(W)	15.2 +- 1.2	3
281.25-303.75(WNW)	17.7 +- 1.8	2
303.75-326.25(NW)	17.1 +- 1.9	2
326.25-348.75(NNW)	15.7 +- .0	2

DISTANCE(mi) FROM THE REACTOR	NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
0-2	16.8 +- 1.5	9
2-5	16.5 +- 1.8	17
>5	16.8 +- 1.3	9
UPWIND CONTROL DATA	17.0 +- 2.1	3

FERMI
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 830927-840120 116 DAYS
FIELD TIME 85 DAYS

NRC STATION	LOCATION AZIMUTH (deg.)	LOCATION DIST (mi.)	GROSS EXPOSURE(mR) +- Rdm;Tot.	NET EXPOSURE RATE mR/Std.Qtr. +- Rdm;Tot.
001	38	2.1	21.9 +- .7 ; 3.3	18.5 +- .9 ; 4.1
002	22	2.3	22.0 +- .7 ; 3.3	18.6 +- .9 ; 4.1
003	350	1.8	23.1 +- .7 ; 3.5	19.8 +- .9 ; 4.2
004	345	1.9	20.4 +- .6 ; 3.1	16.9 +- .8 ; 3.9
005	346	1.4	23.0 +- .7 ; 3.5	19.7 +- .9 ; 4.2
006	310	1.3	22.2 +- .7 ; 3.3	18.8 +- .9 ; 4.1
007	298	1.4	21.0 +- .6 ; 3.2	17.6 +- .8 ; 4.0
008	277	1.6	21.4 +- .6 ; 3.2	18.0 +- .8 ; 4.0
009	238	1.0	23.0 +- .7 ; 3.5	19.7 +- .9 ; 4.2
010	225	1.5	19.6 +- .6 ; 2.9	16.1 +- .8 ; 3.8
011	193	0.8	22.1 +- .7 ; 3.3	18.7 +- .9 ; 4.1
012	183	0.9	21.6 +- .6 ; 3.2	18.2 +- .8 ; 4.0
013	175	0.8	19.1 +- .6 ; 2.9	15.5 +- .8 ; 3.7
014	260	1.7	22.6 +- .7 ; 3.4	19.2 +- .9 ; 4.2
015	245	2.5	MISSING OR DAMAGED DOSIMETER	
016	236	5.0	23.7 +- .7 ; 3.6	20.4 +- .9 ; 4.3
017	225	6.8	18.2 +- .5 ; 2.7	14.6 +- .8 ; 3.6
018	250	7.8	18.3 +- .5 ; 2.7	14.6 +- .8 ; 3.6
019	277	6.0	19.4 +- .6 ; 2.9	15.9 +- .8 ; 3.7
020	297	6.0	21.0 +- .6 ; 3.1	17.5 +- .8 ; 4.0
021	320	3.8	MISSING OR DAMAGED DOSIMETER	
022	340	4.7	22.4 +- .7 ; 3.4	19.0 +- .9 ; 4.1
023	358	4.3	22.2 +- .7 ; 3.3	18.8 +- .9 ; 4.1
024	23	5.0	23.5 +- .7 ; 3.5	20.2 +- .9 ; 4.3
025	25	7.0	18.9 +- .6 ; 2.8	15.3 +- .8 ; 3.7
026	0	7.0	20.8 +- .6 ; 3.1	17.3 +- .8 ; 3.9
027	342	8.0	20.7 +- .6 ; 3.1	17.2 +- .8 ; 3.9
028	320	9.5	19.7 +- .6 ; 2.9	16.1 +- .8 ; 3.8
029	290	11.	21.5 +- .6 ; 3.2	18.0 +- .8 ; 4.0
030	270	10.	21.9 +- .7 ; 3.3	18.5 +- .9 ; 4.1
031	245	10.	21.1 +- .6 ; 3.2	17.7 +- .8 ; 4.0
032	220	10.	21.9 +- .7 ; 3.3	18.5 +- .9 ; 4.1
033	270	15.	19.1 +- .6 ; 2.9	15.5 +- .8 ; 3.7
034	270	15.	19.6 +- .6 ; 2.9	16.1 +- .8 ; 3.8
035	290	16.	20.4 +- .6 ; 3.1	16.9 +- .8 ; 3.9
036	350	0.8	21.0 +- .6 ; 3.2	17.6 +- .8 ; 4.0
037	330	0.7	21.6 +- .6 ; 3.2	18.1 +- .8 ; 4.0
038	310	0.7	MISSING OR DAMAGED DOSIMETER	
039	237	10.	20.4 +- .6 ; 3.1	16.9 +- .8 ; 3.9
040	0	9.0	21.1 +- .6 ; 3.2	17.6 +- .8 ; 4.0
041	348	9.0	18.9 +- .6 ; 2.8	15.3 +- .8 ; 3.7
TRANSIT DOSE =			4.4 +- .5 ; 2.0	

FERMI
FOR THE PERIOD 830927-840120

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
348.75-11.25 (N)	18.2 +- 1.1	5
11.25-33.75 (NNE)	17.7 +- 2.1	4
33.75-56.25 (NE)	18.5 +- 0.0	1
56.25-78.75 (ENE)	NO DATA+-NO DATA	0
78.75-101.25 (E)	NO DATA+-NO DATA	0
101.25-123.75(ESE)	NO DATA+-NO DATA	0
123.75-146.25(SE)	NO DATA+-NO DATA	0
146.25-168.75(SSE)	NO DATA+-NO DATA	0
168.75-191.25(S)	16.8 +- 1.9	2
191.25-213.75(SSW)	18.7 +- 0.0	1
213.75-236.25(SW)	17.4 +- 2.6	4
236.25-258.75(WSW)	17.3 +- 2.5	3
258.75-281.25(W)	17.9 +- 1.4	4
281.25-303.75(WNW)	17.7 +- .3	3
303.75-326.25(NW)	17.5 +- 1.9	2
326.25-348.75(NNW)	17.7 +- 1.6	6

DISTANCE(mi) FROM THE REACTOR	NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
0-2	18.1 +- 1.3	14
2-5	19.3 +- .8	6
>5	16.7 +- 1.3	15
UPWIND CONTROL DATA	16.2 +- .7	3

FITZPATRICK/NINE MI.
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 830929-840210 135 DAYS
FIELD TIME 99 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Rdm;Tot.			NET EXPOSURE RATE mR/Std.Qtr. +- Rdm;Tot.			
001	230	6.9	27.1	+- .8	; 4.1	19.3	+- 1.0	;	4.6
002	184	14	27.3	+- .8	; 4.1	19.5	+- 1.0	;	4.6
003	122	8.4	26.6	+- .8	; 4.0	18.8	+- 1.0	;	4.5
004	76	10.	20.9	+- .6	; 3.1	13.7	+- .8	;	3.9
005	91	6.8	28.7	+- .9	; 4.3	20.8	+- 1.0	;	4.7
006	112	4.3	24.9	+- .7	; 3.7	17.3	+- .9	;	4.3
007	138	4.3	25.9	+- .8	; 3.9	18.2	+- .9	;	4.4
008	152	3.6	26.5	+- .8	; 4.0	18.7	+- .9	;	4.5
009	183	3.9	26.6	+- .8	; 4.0	18.8	+- 1.0	;	4.5
010	205	4.5	25.0	+- .8	; 3.8	17.4	+- .9	;	4.3
011	220	4.4	25.9	+- .8	; 3.9	18.2	+- .9	;	4.4
012	230	6.1	26.9	+- .8	; 4.0	19.1	+- 1.0	;	4.5
013	245	1.8	26.2	+- .8	; 3.9	18.5	+- .9	;	4.5
014	223	1.8	25.5	+- .8	; 3.8	17.9	+- .9	;	4.4
015	204	2	27.9	+- .8	; 4.2	20.0	+- 1.0	;	4.6
016	181	1.8	26.2	+- .8	; 3.9	18.5	+- .9	;	4.5
017	157	1.9	25.9	+- .8	; 3.9	18.2	+- .9	;	4.4
018	137	1.6	25.8	+- .8	; 3.9	18.1	+- .9	;	4.4
019	115	1.2	27.1	+- .8	; 4.1	19.3	+- 1.0	;	4.6
020	92	1.1	26.6	+- .8	; 4.0	18.8	+- 1.0	;	4.5
021	229	19.	25.3	+- .8	; 3.8	17.7	+- .9	;	4.4
022	229	19.	25.2	+- .8	; 3.8	17.6	+- .9	;	4.4
023	229	19.	25.5	+- .8	; 3.8	17.8	+- .9	;	4.4
024	196	8	26.1	+- .8	; 3.9	18.4	+- .9	;	4.4
025	168	7.2	24.9	+- .7	; 3.7	17.3	+- .9	;	4.3
026	152	.6	26.3	+- .8	; 3.9	18.6	+- .9	;	4.5
TRANSIT DOSE =	5.8	+- .7 ; 2.9							

FITZPATRICK/NINE MI.
FOR THE PERIOD 830929-840210

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
348.75-11.25 (N)	NO DATA+-NO DATA	0
11.25-33.75 (NNE)	NO DATA+-NO DATA	0
33.75-56.25 (NE)	NO DATA+-NO DATA	0
56.25-78.75 (ENE)	13.7 +- 0.0	1
78.75-101.25 (E)	19.8 +- 1.4	2
101.25-123.75(ESE)	18.5 +- 1.1	3
123.75-146.25(SE)	18.2 +- .1	2
146.25-168.75(SSE)	18.2 +- .6	4
168.75-191.25(S)	19.0 +- .5	3
191.25-213.75(SSW)	18.6 +- 1.3	3
213.75-236.25(SW)	18.6 +- .7	4
236.25-258.75(WSW)	18.5 +- 0.0	1
258.75-281.25(W)	NO DATA+-NO DATA	0
281.25-303.75(WNW)	NO DATA+-NO DATA	0
303.75-326.25(NW)	NO DATA+-NO DATA	0
326.25-348.75(NNW)	NO DATA+-NO DATA	0

DISTANCE(mi) FROM THE REACTOR	NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
0-2	18.7 +- .7	9
2-5	18.1 +- .6	6
>5	18.4 +- 2.1	8
UPWIND CONTROL DATA	17.7 +- .1	3

FT.CALHOUN
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 830927-840126 122 DAYS
FIELD TIME 84 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Rdm;Tot.	NET EXPOSURE RATE mR/Std.Qtr. +- Rdm;Tot.
001	358	2.0	MISSING OR DAMAGED DOSIMETER	
002	351	4.6	29.1 +- .9 ; 4.4	NO NET DATA
003	30	2.5	28.3 +- .8 ; 4.2	NO NET DATA
004	27	4.6	22.9 +- .7 ; 3.4	NO NET DATA
005	53	1.9	26.8 +- .8 ; 4.0	NO NET DATA
006	37	3.9	27.8 +- .8 ; 4.2	NO NET DATA
007	76	2.3	28.9 +- .9 ; 4.3	NO NET DATA
008	59	5.2	28.1 +- .8 ; 4.2	NO NET DATA
009	100	2.3	27.1 +- .8 ; 4.1	NO NET DATA
010	88	5.6	28.5 +- .9 ; 4.3	NO NET DATA
011	122	2.3	24.2 +- .7 ; 3.6	NO NET DATA
012	105	5.7	27.0 +- .8 ; 4.0	NO NET DATA
013	145	1.9	27.9 +- .8 ; 4.2	NO NET DATA
014	128	5.5	29.7 +- .9 ; 4.4	NO NET DATA
015	157	1.9	28.5 +- .9 ; 4.3	NO NET DATA
016	150	4.9	28.0 +- .8 ; 4.2	NO NET DATA
017	173	0.5	28.7 +- .9 ; 4.3	NO NET DATA
018	173	2.3	28.3 +- .8 ; 4.2	NO NET DATA
019	212	2.5	29.2 +- .9 ; 4.4	NO NET DATA
020	204	5.3	28.6 +- .9 ; 4.3	NO NET DATA
021	233	2.0	29.0 +- .9 ; 4.3	NO NET DATA
022	224	4.6	28.4 +- .9 ; 4.3	NO NET DATA
023	239	0.6	28.2 +- .8 ; 4.2	NO NET DATA
024	243	3.9	26.4 +- .8 ; 4.0	NO NET DATA
025	269	3.3	31.5 +- .9 ; 4.7	NO NET DATA
026	262	5.9	30.4 +- .9 ; 4.6	NO NET DATA
027	288	2.6	27.2 +- .8 ; 4.1	NO NET DATA
028	292	5.0	27.8 +- .8 ; 4.2	NO NET DATA
029	311	2.4	28.3 +- .8 ; 4.2	NO NET DATA
030	310	5.5	28.6 +- .9 ; 4.3	NO NET DATA
031	340	2.3	28.4 +- .9 ; 4.3	NO NET DATA
032	338	5.3	28.7 +- .9 ; 4.3	NO NET DATA
033	182	0.5	MISSING OR DAMAGED DOSIMETER	
035	127	2.2	MISSING OR DAMAGED DOSIMETER	
039	150	5.0	MISSING OR DAMAGED DOSIMETER	
040	73	9.5	29.8 +- .9 ; 4.5	NO NET DATA
043	29	8.0	29.7 +- .9 ; 4.4	NO NET DATA
044	65	3.5	27.0 +- .8 ; 4.1	NO NET DATA
045	182	4.2	26.6 +- .8 ; 4.0	NO NET DATA
047	298	4.5	29.1 +- .9 ; 4.4	NO NET DATA
048	13	14.	23.1 +- .7 ; 3.5	NO NET DATA
049	207	19.	29.3 +- .9 ; 4.4	NO NET DATA

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

FT.CALHOUN
FOR THE PERIOD 830927-840126

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std Dev.	# IN GROUP
348.75-11.25 (N)	21.5 +- 0.0	1
11.25-33.75 (NNE)	19.9 +- 2.6	3
33.75-56.25 (NE)	20.1 +- .5	2
56.25-78.75 (ENE)	21.0 +- .9	4
78.75-101.25 (E)	20.5 +- .8	2
101.25-123.75(ESE)	18.8 +- 1.5	2
123.75-146.25(SE)	21.2 +- .9	2
146.25-168.75(SSE)	20.8 +- .2	2
168.75-191.25(S)	20.5 +- .8	3
191.25-213.75(SSW)	21.3 +- .3	2
213.75-236.25(SW)	21.2 +- .3	2
236.25-258.75(WSW)	20.1 +- .9	2
258.75-281.25(W)	22.8 +- .6	2
281.25-303.75(WNW)	20.7 +- .7	3
303.75-326.25(NW)	21.0 +- .2	2
326.25-348.75(NNW)	21.0 +- .1	2

DISTANCE(mi) FROM THE REACTOR	AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
0-2	20.8 +- .6	6
2-5	20.5 +- 1.4	18
>5	21.1 +- .8	12
UPWIND CONTROL DATA	19.3 +- 3.3	2

FT. ST. VRAIN
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 830929-840110 104 DAYS
FIELD TIME 85 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Rdm; Tot.			NET EXPOSURE RATE mR/Std.Qtr. +- Rdm; Tot.		
001	8	0.8	37.7 +-	1.1 ;	5.6	32.4 +-	1.5 ;	7.0
002	2	3.3	35.8 +-	1.1 ;	5.4	30.4 +-	1.4 ;	6.7
003	29	2.6	35.1 +-	1.1 ;	5.3	29.7 +-	1.4 ;	6.7
004	17	5.4	38.2 +-	1.1 ;	5.7	33.0 +-	1.5 ;	7.1
005	54	2.1	31.5 +-	.9 ;	4.7	25.9 +-	1.3 ;	6.2
006	48	4.8	36.4 +-	1.1 ;	5.5	31.1 +-	1.4 ;	6.8
007	76	2.6	38.7 +-	1.2 ;	5.8	33.5 +-	1.5 ;	7.1
008	58	4.2	36.8 +-	1.1 ;	5.5	31.5 +-	1.4 ;	6.9
009	100	1.5	37.9 +-	1.1 ;	5.7	32.7 +-	1.5 ;	7.0
010	87	4.5	34.1 +-	1.0 ;	5.1	28.7 +-	1.4 ;	6.5
011	118	1.6	37.4 +-	1.1 ;	5.6	32.1 +-	1.5 ;	7.0
012	104	3.0	38.4 +-	1.2 ;	5.8	33.2 +-	1.5 ;	7.1
013	143	1.6	36.0 +-	1.1 ;	5.4	30.7 +-	1.4 ;	6.8
014	128	4.5	35.8 +-	1.1 ;	5.4	30.4 +-	1.4 ;	6.7
015	168	2.3	34.8 +-	1.0 ;	5.2	29.4 +-	1.4 ;	6.6
016	148	4.6	34.0 +-	1.0 ;	5.1	28.6 +-	1.4 ;	6.5
017	182	0.8	36.6 +-	1.1 ;	5.5	31.3 +-	1.4 ;	6.9
018	175	4.8	37.9 +-	1.1 ;	5.7	32.7 +-	1.5 ;	7.0
019	210	0.9	38.9 +-	1.2 ;	5.8	33.7 +-	1.5 ;	7.2
020	200	2.9	MISSING OR DAMAGED DOSIMETER					
021	234	1.3	38.2 +-	1.1 ;	5.7	33.0 +-	1.5 ;	7.1
022	216	3.3	34.3 +-	1.0 ;	5.1	28.9 +-	1.4 ;	6.5
023	254	2.5	36.0 +-	1.1 ;	5.4	30.7 +-	1.4 ;	6.8
024	244	3.8	32.8 +-	1.0 ;	4.9	27.2 +-	1.3 ;	6.3
025	278	1.5	34.4 +-	1.0 ;	5.2	29.0 +-	1.4 ;	6.6
026	263	5.4	37.3 +-	1.1 ;	5.6	32.1 +-	1.5 ;	6.9
027	297	1.7	34.1 +-	1.0 ;	5.1	28.7 +-	1.4 ;	6.5
028	284	5.6	34.9 +-	1.0 ;	5.2	29.5 +-	1.4 ;	6.6
029	317	0.9	35.0 +-	1.0 ;	5.2	29.6 +-	1.4 ;	6.6
030	305	4.2	33.6 +-	1.0 ;	5.0	28.1 +-	1.4 ;	6.4
031	338	1.4	35.3 +-	1.1 ;	5.3	29.9 +-	1.4 ;	6.7
032	330	5.0	30.7 +-	.9 ;	4.6	25.0 +-	1.3 ;	6.1
033	267	6.5	38.6 +-	1.2 ;	5.8	33.4 +-	1.5 ;	7.1
034	130	3.7	37.3 +-	1.1 ;	5.6	32.0 +-	1.5 ;	6.9
035	270	0.1	35.5 +-	1.1 ;	5.3	30.1 +-	1.4 ;	6.7
038	345	6.7	32.7 +-	1.0 ;	4.9	27.2 +-	1.3 ;	6.3
039	10	6.0	35.7 +-	1.1 ;	5.4	30.4 +-	1.4 ;	6.7
040	63	6.0	35.3 +-	1.1 ;	5.3	29.9 +-	1.4 ;	6.7
041	165	12.	37.3 +-	1.1 ;	5.6	32.0 +-	1.5 ;	6.9
042	248	13.	43.4 +-	1.3 ;	6.5	38.5 +-	1.6 ;	7.8
045	198	11.	35.4 +-	1.1 ;	5.3	30.0 +-	1.4 ;	6.7
046	39	16.	36.8 +-	1.1 ;	5.5	31.5 +-	1.4 ;	6.9
047	357	17.	35.0 +-	1.1 ;	5.3	29.6 +-	1.4 ;	6.6
048	171	18.	37.1 +-	1.1 ;	5.6	31.9 +-	1.5 ;	6.9
049	360	0.5	38.3 +-	1.1 ;	5.7	33.1 +-	1.5 ;	7.1

TRANSIT DOSE = 7.0 +- .8 ; 3.4

FT. ST. VRAIN
FOR THE PERIOD 830929-840110

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
348.75-11.25 (N)	31.1 +- 1.2	3
11.25-33.75 (NNE)	31.4 +- 2.3	2
33.75-56.25 (NE)	29.5 +- 3.1	3
56.25-78.75 (ENE)	31.6 +- 1.8	3
78.75-101.25 (E)	30.7 +- 2.8	2
101.25-123.75(ESE)	32.7 +- .8	2
123.75-146.25(SE)	31.0 +- .9	3
146.25-168.75(SSE)	30.0 +- 1.8	3
168.75-191.25(S)	32.0 +- 1.0	2
191.25-213.75(SSW)	31.9 +- 2.6	2
213.75-236.25(SW)	30.9 +- 2.9	2
236.25-258.75(WSW)	32.1 +- 5.7	3
258.75-281.25(W)	31.2 +- 2.0	4
281.25-303.75(WNW)	29.1 +- .6	2
303.75-326.25(NW)	28.8 +- 1.0	2
326.25-348.75(NNW)	27.4 +- 2.4	3

DISTANCE(mi) FROM THE REACTOR	NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
0-2	31.1 +- 1.7	12
2-5	29.8 +- 2.4	18
>5	31.6 +- 2.9	11
UPWIND CONTROL DATA	31.5 +- 1.7	3

GINNA
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 860929-840210 135 DAYS
FIELD TIME 111 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Rdm;Tot.	NET EXPOSURE RATE mR/Std.Qtr. +- Rdm;Tot.
001	95	1.7	25.0 +- .8 ; 3.8	18.2 +- .8 ; 3.8
002	108	1.1	26.3 +- .8 ; 3.9	19.2 +- .8 ; 4.0
003	142	1.7	25.8 +- .8 ; 3.9	18.8 +- .8 ; 3.9
004	154	1.5	26.7 +- .8 ; 4.0	19.6 +- .8 ; 4.0
005	174	1.4	25.7 +- .8 ; 3.8	18.7 +- .8 ; 3.9
006	212	1.6	24.1 +- .7 ; 3.6	17.5 +- .8 ; 3.8
007	244	.9	23.7 +- .7 ; 3.6	17.1 +- .8 ; 3.7
008	230	.6	25.1 +- .8 ; 3.8	18.3 +- .8 ; 3.9
010	266	1.5	25.3 +- .8 ; 3.8	18.4 +- .8 ; 3.9
011	264	4.6	26.5 +- .8 ; 4.0	19.4 +- .8 ; 4.0
012	245	3.8	25.7 +- .8 ; 3.8	18.7 +- .8 ; 3.9
013	235	4.2	18.3 +- .5 ; 2.7	12.7 +- .7 ; 3.2
014	200	3.8	23.6 +- .7 ; 3.5	17.0 +- .8 ; 3.7
015	178	3.4	24.7 +- .7 ; 3.7	17.9 +- .8 ; 3.8
016	160	3.7	MISSING OR DAMAGED DOSIMETER	
017	134	3.8	23.9 +- .7 ; 3.6	17.0 +- .8 ; 3.7
018	115	4.3	26.6 +- .8 ; 4.0	19.5 +- .8 ; 4.0
019	88	4	23.8 +- .7 ; 3.6	17.2 +- .8 ; 3.7
020	90	6.2	MISSING OR DAMAGED DOSIMETER	
021	123	7.6	23.1 +- .7 ; 3.5	16.6 +- .8 ; 3.7
022	105	12.	24.1 +- .7 ; 3.6	17.4 +- .8 ; 3.8
023	151	11.	22.8 +- .7 ; 3.4	16.4 +- .8 ; 3.6
024	212	13.	28.9 +- .9 ; 4.3	21.4 +- .9 ; 4.2
025	223	13.	20.0 +- .6 ; 3.0	14.1 +- .7 ; 3.4
026	242	16.	25.7 +- .8 ; 3.8	18.7 +- .8 ; 3.9
027	254	14.	26.2 +- .8 ; 3.9	19.2 +- .8 ; 4.0
028	234	6.9	24.9 +- .7 ; 3.7	18.1 +- .8 ; 3.8
029	185	.3	25.4 +- .8 ; 3.8	18.5 +- .8 ; 3.9
030	264	14.	24.0 +- .7 ; 3.6	17.3 +- .8 ; 3.7
TRANSIT DOSE =	2.6	+- .7 ; 2.9		

GINNA
FOR THE PERIOD 830929-840210

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
348.75-11.25 (N)	NO DATA+-NO DATA	0
11.25-33.75 (NNE)	NO DATA+-NO DATA	0
33.75-56.25 (NE)	NO DATA+-NO DATA	0
56.25-78.75 (ENE)	NO DATA+-NO DATA	0
78.75-101.25 (E)	17.7 +- .7	2
101.25-123.75(ESE)	18.2 +- 1.4	4
123.75-146.25(SE)	18.0 +- 1.1	2
146.25-168.75(SSE)	18.0 +- 2.2	2
168.75-191.25(S)	18.4 +- .4	3
191.25-213.75(SSW)	18.6 +- 2.4	3
213.75-236.25(SW)	15.8 +- 2.8	4
236.25-258.75(WSW)	17.9 +- 1.1	2
258.75-281.25(W)	18.9 +- .7	2
281.25-303.75(WNW)	NO DATA+-NO DATA	0
303.75-326.25(NW)	NO DATA+-NO DATA	0
326.25-348.75(NNW)	NO DATA+-NO DATA	0

DISTANCE(mi) FROM THE REACTOR	NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
0-2	18.4 +- .7	10
2-5	17.5 +- 2.2	8
>5	17.3 +- 2.4	6
UPWIND CONTROL DATA	18.4 +- 1.0	3

GRAND GULF
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 830929-840110 104 DAYS
FIELD TIME 92 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Rdm; Tot.	NET EXPOSURE RATE mR/Std.Qtr. +- Rdm; Tot.
002	351	1.6	16.7 +- .5 ; 2.5	14.2 +- .6 ; 2.9
003	20	1.5	20.0 +- .6 ; 3.0	17.5 +- .7 ; 3.3
004	51	2.3	18.4 +- .6 ; 2.8	15.9 +- .7 ; 3.1
005	68	2.7	26.2 +- .8 ; 3.9	23.5 +- .9 ; 4.2
006	47	4.1	MISSING OR DAMAGED DOSIMETER	
007	68	4.9	21.0 +- .6 ; 3.2	18.4 +- .7 ; 3.5
008	91	3.2	21.3 +- .6 ; 3.2	18.7 +- .7 ; 3.5
009	81	1.0	17.7 +- .5 ; 2.6	15.2 +- .6 ; 3.0
010	109	0.6	20.4 +- .6 ; 3.1	17.8 +- .7 ; 3.4
011	139	0.8	20.5 +- .6 ; 3.1	17.9 +- .7 ; 3.4
012	185	1.6	19.7 +- .6 ; 3.0	17.2 +- .7 ; 3.3
013	207	1.9	20.5 +- .6 ; 3.1	17.9 +- .7 ; 3.4
014	247	1.5	22.5 +- .7 ; 3.4	19.9 +- .8 ; 3.7
015	130	4.2	20.6 +- .6 ; 3.1	18.0 +- .7 ; 3.4
016	122	4.8	17.5 +- .5 ; 2.6	15.0 +- .6 ; 3.0
017	135	5.3	18.8 +- .6 ; 2.8	16.2 +- .7 ; 3.2
018	147	4.3	18.0 +- .5 ; 2.7	15.4 +- .7 ; 3.1
019	224	6.8	21.5 +- .6 ; 3.2	18.9 +- .7 ; 3.5
020	172	3.6	17.2 +- .5 ; 2.6	14.7 +- .6 ; 3.0
021	291	12.	18.5 +- .6 ; 2.8	16.0 +- .7 ; 3.1
022	332	8.0	27.1 +- .8 ; 4.1	24.4 +- .9 ; 4.3
023	310	7.9	22.6 +- .7 ; 3.4	20.0 +- .8 ; 3.7
024	281	7.0	18.0 +- .5 ; 2.7	15.4 +- .7 ; 3.1
025	291	4.8	20.3 +- .6 ; 3.0	17.7 +- .7 ; 3.4
026	248	9.5	MISSING OR DAMAGED DOSIMETER	
027	239	12.	17.9 +- .5 ; 2.7	15.4 +- .6 ; 3.1
029	090	0.9	19.4 +- .6 ; 2.9	16.8 +- .7 ; 3.3
030	67	51	16.0 +- .5 ; 2.4	13.5 +- .6 ; 2.8
031	67	51	15.1 +- .5 ; 2.3	12.7 +- .6 ; 2.7
032	67	51	15.0 +- .5 ; 2.3	12.6 +- .6 ; 2.7
033	206	4.8	25.7 +- .8 ; 3.8	23.0 +- .8 ; 4.1
TRANSIT DOSE =			2.2 +- .4 ; 1.6	

GRAND GULF
FOR THE PERIOD 830929-840110

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
348.75-11.25 (N)	14.2 +- 0.0	1
11.25-33.75 (NNE)	17.5 +- 0.0	1
33.75-56.25 (NE)	15.9 +- 0.0	1
56.25-78.75 (ENE)	21.0 +- 3.6	2
78.75-101.25 (E)	16.9 +- 1.8	3
101.25-123.75(ESE)	16.4 +- 2.0	2
123.75-146.25(SE)	17.4 +- 1.0	3
146.25-168.75(SSE)	15.4 +- 0.0	1
168.75-191.25(S)	15.9 +- 1.7	2
191.25-213.75(SSW)	20.5 +- 3.6	2
213.75-236.25(SW)	18.9 +- 0.0	1
236.25-258.75(WSW)	17.6 +- 3.1	2
258.75-281.25(W)	15.4 +- 0.0	1
281.25-303.75(WNW)	16.8 +- 1.2	2
303.75-326.25(NW)	20.0 +- 0.0	1
326.25-348.75(NNW)	24.4 +- 0.0	1

DISTANCE(mi) FROM THE REACTOR	NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
0-2	17.2 +- 1.6	9
2-5	18.0 +- 3.1	10
>5	18.1 +- 3.3	7
UPWIND CONTROL DATA	12.9 +- .5	3

HADDAM NECK
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 830926-840111 108 DAYS
FIELD TIME 85 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Rdm;Tot.	NET EXPOSURE RATE mR/Std.Qtr. +- Rdm;Tot.
002	17	2.6	20.2 +- .6 ; 3.0	14.6 +- .9 ; 4.1
003	45	1.9	16.4 +- .5 ; 2.5	10.6 +- .8 ; 3.7
004	67	2.3	19.2 +- .6 ; 2.9	13.5 +- .8 ; 4.0
005	93	1.6	17.8 +- .5 ; 2.7	12.1 +- .8 ; 3.8
006	115	2.3	16.2 +- .5 ; 2.4	10.4 +- .8 ; 3.6
007	145	1.9	18.2 +- .5 ; 2.7	12.5 +- .8 ; 3.9
008	165	.9	23.4 +- .7 ; 3.5	18.0 +- .9 ; 4.5
009	174	1.3	18.9 +- .6 ; 2.8	13.2 +- .8 ; 4.0
010	195	.7	17.4 +- .5 ; 2.6	11.7 +- .8 ; 3.8
012	241	.8	18.4 +- .6 ; 2.8	12.7 +- .8 ; 3.9
013	263	.8	16.5 +- .5 ; 2.5	10.7 +- .8 ; 3.7
014	290	1.9	18.2 +- .5 ; 2.7	12.5 +- .8 ; 3.9
015	311	1.5	15.9 +- .5 ; 2.4	10.1 +- .8 ; 3.6
016	341	1.3	17.9 +- .5 ; 2.7	12.2 +- .8 ; 3.8
017	360	2.3	24.2 +- .7 ; 3.6	18.9 +- 1.0 ; 4.6
018	222	2.5	16.9 +- .5 ; 2.5	11.1 +- .8 ; 3.7
019	269	3	MISSING OR DAMAGED DOSIMETER	
020	66	3.2	17.5 +- .5 ; 2.6	11.7 +- .8 ; 3.8
021	91	2.8	19.0 +- .6 ; 2.8	13.3 +- .8 ; 4.0
022	112	3.2	17.3 +- .5 ; 2.6	11.5 +- .8 ; 3.8
023	137	2.9	16.7 +- .5 ; 2.5	10.9 +- .8 ; 3.7
024	155	7.1	17.0 +- .5 ; 2.5	11.2 +- .8 ; 3.7
025	175	5.7	18.6 +- .6 ; 2.8	12.9 +- .8 ; 3.9
026	196	2.5	16.9 +- .5 ; 2.5	11.1 +- .8 ; 3.7
027	225	1.1	18.1 +- .5 ; 2.7	12.4 +- .8 ; 3.9
028	250	3.5	17.0 +- .5 ; 2.5	11.2 +- .8 ; 3.7
029	340	20	28.6 +- .9 ; 4.3	23.5 +- 1.1 ; 5.2
030	286	3.2	16.3 +- .5 ; 2.4	10.5 +- .8 ; 3.7
031	322	2.7	22.4 +- .7 ; 3.4	16.9 +- .9 ; 4.4
032	327	2.9	20.4 +- .6 ; 3.1	14.8 +- .9 ; 4.1
033	359	6.4	17.6 +- .5 ; 2.6	11.9 +- .8 ; 3.8
035	54	10.	18.5 +- .6 ; 2.8	12.8 +- .8 ; 3.9
036	72	8.8	22.3 +- .7 ; 3.3	16.8 +- .9 ; 4.4
037	149	6.8	16.3 +- .5 ; 2.4	10.5 +- .8 ; 3.7
038	158	5.9	16.8 +- .5 ; 2.5	11.0 +- .8 ; 3.7
039	267	8.8	17.3 +- .5 ; 2.6	11.6 +- .8 ; 3.8
040	303	9.1	21.9 +- .7 ; 3.3	16.4 +- .9 ; 4.3
041	313	9.6	17.1 +- .5 ; 2.6	11.3 +- .8 ; 3.7
042	320	13.	MISSING OR DAMAGED DOSIMETER	
043	324	18	MISSING OR DAMAGED DOSIMETER	
044	328	15	18.4 +- .6 ; 2.8	12.7 +- .8 ; 3.9
045	343	18	18.8 +- .6 ; 2.8	13.1 +- .8 ; 3.9
046	144	5	17.4 +- .5 ; 2.6	11.6 +- .8 ; 3.8
047	330	20	23.1 +- .7 ; 3.5	17.7 +- .9 ; 4.5
048	330	20	MISSING OR DAMAGED DOSIMETER	
049	340	20	18.9 +- .6 ; 2.8	13.3 +- .8 ; 4.0

TRANSIT DOSE = 6.4 +- .6 ; 2.4

HADDAM NECK
FOR THE PERIOD 830926-840111

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
348.75-11.25 (N)	15.4 +- 4.9	2
11.25-33.75 (NNE)	14.6 +- 0.0	1
33.75-56.25 (NE)	11.7 +- 1.6	2
56.25-78.75 (ENE)	14.0 +- 2.6	3
78.75-101.25 (E)	12.7 +- .9	2
101.25-123.75(ESE)	11.0 +- .8	2
123.75-146.25(SE)	11.7 +- .8	3
146.25-168.75(SSE)	12.7 +- 3.6	4
168.75-191.25(S)	13.1 +- .2	2
191.25-213.75(SSW)	11.4 +- .4	2
213.75-236.25(SW)	11.7 +- .9	2
236.25-258.75(WSW)	11.9 +- 1.0	2
258.75-281.25(W)	11.1 +- .6	2
281.25-303.75(WNW)	13.1 +- 3.0	3
303.75-326.25(NW)	12.8 +- 3.6	3
326.25-348.75(NNW)	15.3 +- 4.7	5

DISTANCE(mi) FROM THE REACTOR	NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
0-2	12.4 +- 2.0	12
2-5	12.8 +- 2.5	15
>5	13.5 +- 3.6	13
UPWIND CONTROL DATA	15.5 +- 3.1	2

HATCH
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 830923-840110 110 DAYS
FIELD TIME 98 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Rdm;Tot.			NET EXPOSURE RATE mR/Std.Qtr. +- Rdm;Tot.			
001	342	23	22.7 +-	.7 ;	3.4	17.3 +-	.9 ;	4.1	
002	359	7.7	22.9 +-	.7 ;	3.4	17.5 +-	.9 ;	4.1	
003	354	4.5	20.7 +-	.6 ;	3.1	15.4 +-	.9 ;	3.9	
004	336	2.9	21.6 +-	.6 ;	3.2	16.3 +-	.9 ;	4.0	
005	309	4.6	22.0 +-	.7 ;	3.3	16.6 +-	.9 ;	4.0	
006	297	5.6	25.1 +-	.8 ;	3.8	19.5 +-	.9 ;	4.4	
007	24	2.8	22.4 +-	.7 ;	3.4	17.0 +-	.9 ;	4.1	
008	49	2.0	22.0 +-	.7 ;	3.3	16.7 +-	.9 ;	4.0	
009	49/	10.	24.1 +-	.7 ;	3.6	18.6 +-	.9 ;	4.3	
010	28	4.8	23.6 +-	.7 ;	3.5	18.1 +-	.9 ;	4.2	
011	67	5.0	18.4 +-	.6 ;	2.8	13.3 +-	.8 ;	3.7	
012	50	5.1	27.0 +-	.8 ;	4.1	21.3 +-	1.0 ;	4.6	
013	353	2.0	16.4 +-	.5 ;	2.5	11.5 +-	.8 ;	3.5	
014	341	1.6	23.7 +-	.7 ;	3.5	18.2 +-	.9 ;	4.2	
015	147	10.	20.7 +-	.6 ;	3.1	15.5 +-	.9 ;	3.9	
016	232	0.9	20.9 +-	.6 ;	3.1	15.6 +-	.9 ;	3.9	
017	205	1.6	17.3 +-	.5 ;	2.6	12.3 +-	.8 ;	3.6	
018	192	4.2	19.5 +-	.6 ;	2.9	14.3 +-	.8 ;	3.8	
019	184	4.2	19.1 +-	.6 ;	2.9	14.0 +-	.8 ;	3.7	
020	165	4.6	19.3 +-	.6 ;	2.9	14.1 +-	.8 ;	3.8	
021	135	4.4	19.6 +-	.6 ;	2.9	14.5 +-	.8 ;	3.8	
022	120	4.1	22.6 +-	.7 ;	3.4	17.2 +-	.9 ;	4.1	
023	107	3.7	21.3 +-	.6 ;	3.2	16.0 +-	.9 ;	4.0	
024	123	13.	20.3 +-	.6 ;	3.0	15.1 +-	.8 ;	3.9	
025	114	12.	21.3 +-	.6 ;	3.2	16.0 +-	.9 ;	4.0	
026	142	1.8	24.2 +-	.7 ;	3.6	18.7 +-	.9 ;	4.3	
027	157	2.2	21.5 +-	.6 ;	3.2	16.2 +-	.9 ;	4.0	
028	171	0.9	18.8 +-	.6 ;	2.8	13.7 +-	.8 ;	3.7	
029	253	1.0	20.3 +-	.6 ;	3.0	15.1 +-	.8 ;	3.9	
030	270	1.0	MISSING OR DAMAGED DOSIMETER						
031	292	1.1	22.0 +-	.7 ;	3.3	16.6 +-	.9 ;	4.0	
032	268	4.2	19.1 +-	.6 ;	2.9	14.0 +-	.8 ;	3.7	
033	248	4.3	MISSING OR DAMAGED DOSIMETER						
034	216	4.1	16.4 +-	.5 ;	2.5	11.5 +-	.8 ;	3.5	
035	234	11.	18.6 +-	.6 ;	2.8	13.5 +-	.8 ;	3.7	
036	182	10.	18.4 +-	.6 ;	2.8	13.4 +-	.8 ;	3.7	
037	177	10.	15.5 +-	.5 ;	2.3	10.7 +-	.8 ;	3.4	
038	323	12.	23.3 +-	.7 ;	3.5	17.9 +-	.9 ;	4.2	
039	321	13.	23.3 +-	.7 ;	3.5	17.8 +-	.9 ;	4.2	
040	323	12.	22.9 +-	.7 ;	3.4	17.5 +-	.9 ;	4.1	

TRANSIT DOSE = 3.8 +- .7 ; 2.9

HATCH
FOR THE PERIOD 830923-840110

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
348.75-11.25 (N)	14.8 +- 3.0	3
11.25-33.75 (NNE)	17.5 +- .8	2
33.75-56.25 (NE)	18.8 +- 2.3	3
56.25-78.75 (ENE)	13.3 +- 0.0	1
78.75-101.25 (E)	NO DATA+-NO DATA	0
101.25-123.75(ESE)	16.1 +- .8	4
123.75-146.25(SE)	16.6 +- 3.0	2
146.25-168.75(SSE)	15.3 +- 1.0	3
168.75-191.25(S)	13.0 +- 1.5	4
191.25-213.75(SSW)	13.3 +- 1.4	2
213.75-236.25(SW)	13.5 +- 2.1	3
236.25-258.75(WSW)	15.1 +- 0.0	1
258.75-281.25(W)	14.0 +- 0.0	1
281.25-303.75(WNW)	18.0 +- 2.0	2
303.75-326.25(NW)	16.6 +- 0.0	1
326.25-348.75(NNW)	17.3 +- 1.0	3

DISTANCE(mi) FROM THE REACTOR	NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
0-2	15.4 +- 2.5	9
2-5	15.2 +- 1.8	15
>5	16.2 +- 3.0	11
UPWIND CONTROL DATA	17.7 +- .2	3

INDIAN POINT
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 830929-840210 135 DAYS
FIELD TIME 98 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Rdm;Tot.	NET EXPOSURE RATE mR/Std.Qtr. +- Rdm;Tot.
001	52	1.4	22.8 +- .7 ; 3.4	15.1 +- .9 ; 4.1
002	53	1	32.6 +- 1.0 ; 4.9	24.1 +- 1.1 ; 5.2
003	61	1.5	20.4 +- .6 ; 3.1	12.9 +- .8 ; 3.8
004	89	1.2	20.2 +- .6 ; 3.0	12.7 +- .8 ; 3.8
005	107	.9	26.4 +- .8 ; 4.0	18.4 +- .9 ; 4.5
006	90	.5	26.2 +- .8 ; 3.9	18.2 +- .9 ; 4.4
007	133	.8	MISSING OR DAMAGED DOSIMETER	
008	158	.8	20.7 +- .6 ; 3.1	13.2 +- .8 ; 3.8
009	188	1.2	27.5 +- .8 ; 4.1	19.4 +- 1.0 ; 4.6
010	206	.9	MISSING OR DAMAGED DOSIMETER	
011	170	1.1	18.7 +- .6 ; 2.8	11.3 +- .8 ; 3.6
012	155	2.3	28.8 +- .9 ; 4.3	20.6 +- 1.0 ; 4.7
013	136	3.2	18.8 +- .6 ; 2.8	11.4 +- .8 ; 3.7
014	107	3.1	17.8 +- .5 ; 2.7	10.5 +- .8 ; 3.6
015	94	3.8	25.9 +- .8 ; 3.9	17.9 +- .9 ; 4.4
016	142	5.7	28.3 +- .8 ; 4.2	20.2 +- 1.0 ; 4.7
018	147	9.1	20.2 +- .6 ; 3.0	12.7 +- .8 ; 3.8
019	137	11.	27.3 +- .8 ; 4.1	19.2 +- 1.0 ; 4.6
020	129	11.	26.5 +- .8 ; 4.0	18.5 +- .9 ; 4.5
022	74	7.5	24.8 +- .7 ; 3.7	16.9 +- .9 ; 4.3
023	5	92	27.2 +- .8 ; 4.1	19.1 +- 1.0 ; 4.6
024	5	92	27.0 +- .8 ; 4.1	19.0 +- 1.0 ; 4.5
025	65	4.1	25.7 +- .8 ; 3.9	17.8 +- .9 ; 4.4
026	40	4	27.7 +- .8 ; 4.2	19.6 +- 1.0 ; 4.6
027	25	5.3	MISSING OR DAMAGED DOSIMETER	
028	24	2.9	26.0 +- .8 ; 3.9	18.0 +- .9 ; 4.4
029	22	2.1	26.3 +- .8 ; 3.9	18.3 +- .9 ; 4.4
030	8	1.9	28.4 +- .9 ; 4.3	20.3 +- 1.0 ; 4.7
031	356	5	25.9 +- .8 ; 3.9	17.9 +- .9 ; 4.4
032	330	3.7	26.8 +- .8 ; 4.0	18.7 +- .9 ; 4.5
033	338	4.7	26.7 +- .8 ; 4.0	18.7 +- .9 ; 4.5
034	354	7	28.2 +- .8 ; 4.2	20.0 +- 1.0 ; 4.7
035	297	4.4	28.7 +- .9 ; 4.3	20.5 +- 1.0 ; 4.7
036	309	3.6	MISSING OR DAMAGED DOSIMETER	
037	350	1.1	27.6 +- .8 ; 4.1	19.5 +- 1.0 ; 4.6
038	337	.9	26.5 +- .8 ; 4.0	18.5 +- .9 ; 4.5
039	315	1	26.1 +- .8 ; 3.9	18.1 +- .9 ; 4.4
040	294	1.1	27.9 +- .8 ; 4.2	19.7 +- 1.0 ; 4.6
041	274	1.1	27.8 +- .8 ; 4.2	19.7 +- 1.0 ; 4.6
042	248	1.5	29.3 +- .9 ; 4.4	21.0 +- 1.0 ; 4.8
043	263	2.8	MISSING OR DAMAGED DOSIMETER	
044	5	92.	22.3 +- .7 ; 3.3	14.6 +- .9 ; 4.0
045	227	2.4	27.2 +- .8 ; 4.1	19.1 +- 1.0 ; 4.6
046	209	3.2	27.2 +- .8 ; 4.1	19.1 +- 1.0 ; 4.6
047	218	5.3	25.5 +- .8 ; 3.8	17.6 +- .9 ; 4.4
048	201	4.6	27.2 +- .8 ; 4.1	19.1 +- 1.0 ; 4.6
049	187	5.2	MISSING OR DAMAGED DOSIMETER	

TRANSIT DOSE = 6.3 +- .6 ; 2.8

INDIAN POINT
FOR THE PERIOD 830929-840210

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
348.75-11.25 (N)	18.5 +- 2.3	5
11.25-33.75 (NNE)	18.2 +- .2	2
33.75-56.25 (NE)	19.6 +- 4.5	3
56.25-78.75 (ENE)	15.9 +- 2.6	3
78.75-101.25 (E)	16.3 +- 3.1	3
101.25-123.75(ESE)	14.4 +- 5.6	2
123.75-146.25(SE)	17.3 +- 4.0	4
146.25-168.75(SSE)	15.5 +- 4.4	3
168.75-191.25(S)	15.3 +- 5.7	2
191.25-213.75(SSW)	19.1 +- 0.0	2
213.75-236.25(SW)	18.4 +- 1.1	2
236.25-258.75(WSW)	21.0 +- 0.0	1
258.75-281.25(W)	19.7 +- 0.0	1
281.25-303.75(WNW)	20.1 +- .5	2
303.75-326.25(NW)	18.1 +- 0.0	1
326.25-348.75(NNW)	18.6 +- .1	3

DISTANCE(mi) FROM THE REACTOR	NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
0-2	17.6 +- 3.6	16
2-5	17.8 +- 2.9	15
>5	17.5 +- 2.7	8
UPWIND CONTROL DATA	19.1 +- .1	2

KEWAUNEE/PT. BEACH
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 830927-840202 129 DAYS
FIELD TIME 99 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Rdm;Tot.			NET EXPOSURE RATE mR/Std.Qtr. +- Rdm;Tot.			
001	189	8.1	23.0	+- .7	; 3.5	14.7	+- 1.0	;	4.4
002	195	7.0	24.0	+- .7	; 3.6	15.7	+- 1.0	;	4.5
003	163	4.9	23.5	+- .7	; 3.5	15.2	+- 1.0	;	4.5
004	183	3.3	28.0	+- .8	; 4.2	19.2	+- 1.1	;	4.9
005	210	3.2	23.6	+- .7	; 3.5	15.2	+- 1.0	;	4.5
006	223	3.7	27.7	+- .8	; 4.2	19.0	+- 1.0	;	4.9
007	242	5.7	23.0	+- .7	; 3.5	14.7	+- 1.0	;	4.4
008	202	1.8	27.2	+- .8	; 4.1	18.6	+- 1.0	;	4.8
009	180	1.8	26.4	+- .8	; 4.0	17.8	+- 1.0	;	4.8
010	158	1.9	23.4	+- .7	; 3.5	15.1	+- 1.0	;	4.5
011	235	1.2	26.6	+- .8	; 4.0	18.0	+- 1.0	;	4.8
012	258	1.4	26.0	+- .8	; 3.9	17.5	+- 1.0	;	4.7
013	273	1.4	24.0	+- .7	; 3.6	15.6	+- 1.0	;	4.5
014	290	0.9	25.8	+- .8	; 3.9	17.3	+- 1.0	;	4.7
015	342	0.8	24.6	+- .7	; 3.7	16.2	+- 1.0	;	4.6
016	342	1.9	27.2	+- .8	; 4.1	18.5	+- 1.0	;	4.8
017	317	2.0	25.3	+- .8	; 3.8	16.8	+- 1.0	;	4.6
018	310	3.4	27.2	+- .8	; 4.1	18.6	+- 1.0	;	4.8
019	293	4.0	26.8	+- .8	; 4.0	18.2	+- 1.0	;	4.8
020	273	4.0	24.0	+- .7	; 3.6	15.6	+- 1.0	;	4.5
021	300	5.6	25.4	+- .8	; 3.8	16.9	+- 1.0	;	4.7
022	316	5.9	24.4	+- .7	; 3.7	16.0	+- 1.0	;	4.5
023	345	2.7	28.8	+- .9	; 4.3	20.0	+- 1.1	;	5.0
024	219	1.3	25.0	+- .8	; 3.8	16.6	+- 1.0	;	4.6
025	247	1.4	26.9	+- .8	; 4.0	18.2	+- 1.0	;	4.8
026	263	1.3	25.7	+- .8	; 3.9	17.2	+- 1.0	;	4.7
027	290	1.4	25.5	+- .8	; 3.8	17.0	+- 1.0	;	4.7
028	320	1.3	27.4	+- .8	; 4.1	18.7	+- 1.0	;	4.9
029	342	1.1	26.9	+- .8	; 4.0	18.2	+- 1.0	;	4.8
030	329	0.6	26.2	+- .8	; 3.9	17.6	+- 1.0	;	4.7
031	13	1.0	23.8	+- .7	; 3.6	15.4	+- 1.0	;	4.5
032	353	2.1	26.4	+- .8	; 4.0	17.8	+- 1.0	;	4.8
033	301	3.9	25.6	+- .8	; 3.8	17.1	+- 1.0	;	4.7
034	299	8.4	25.4	+- .8	; 3.8	16.9	+- 1.0	;	4.6
035	323	3.8	24.3	+- .7	; 3.6	15.9	+- 1.0	;	4.5
036	336	3.3	25.7	+- .8	; 3.9	17.2	+- 1.0	;	4.7
037	6	3.1	25.4	+- .8	; 3.8	16.9	+- 1.0	;	4.6
038	14	3.7	25.0	+- .8	; 3.8	16.6	+- 1.0	;	4.6
039	13	7.6	18.9	+- .6	; 2.8	11.0	+- .9	;	4.0
040	247	4.3	22.8	+- .7	; 3.4	14.6	+- 1.0	;	4.4
041	8	23.	25.6	+- .8	; 3.8	17.1	+- 1.0	;	4.7
042	8	23.	23.9	+- .7	; 3.6	15.6	+- 1.0	;	4.5
043	8	23.	23.6	+- .7	; 3.5	15.2	+- 1.0	;	4.5

TRANSIT DOSE = 6.8 +- .8 ; 3.4

KEWAUNEE/PT. BEACH
FOR THE PERIOD 830927-840202

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
348.75-11.25 (N)	17.4 +- .7	2
11.25-33.75 (NNE)	14.3 +- 3.0	3
33.75-56.25 (NE)	NO DATA+-NO DATA	0
56.25-78.75 (ENE)	NO DATA+-NO DATA	0
78.75-101.25 (E)	NO DATA+-NO DATA	0
101.25-123.75(ESE)	NO DATA+-NO DATA	0
123.75-146.25(SE)	NO DATA+-NO DATA	0
146.25-168.75(SSE)	15.2 +- .1	2
168.75-191.25(S)	17.3 +- 2.3	3
191.25-213.75(SSW)	16.5 +- 1.8	3
213.75-236.25(SW)	17.9 +- 1.2	3
236.25-258.75(WSW)	16.3 +- 1.9	4
258.75-281.25(W)	16.1 +- .9	3
281.25-303.75(WNW)	17.2 +- .5	6
303.75-326.25(NW)	17.2 +- 1.4	5
326.25-348.75(NNW)	18.0 +- 1.3	6

DISTANCE(mi) FROM THE REACTOR	NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
0-2	17.2 +- 1.1	18
2-5	17.1 +- 1.6	15
>5	15.1 +- 2.0	7
UPWIND CONTROL DATA	16.0 +- 1.0	3

LACROSSE
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 830927-840119 115 DAYS
FIELD TIME 78 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Rdm; Tot.			NET EXPOSURE RATE mR/Std.Qtr. +- Rdm; Tot.		
001	5/	20.	23.7 +-	.7 ;	3.5	20.7 +-	1.1 ;	5.2
002	5/	20.	22.9 +-	.7 ;	3.4	19.8 +-	1.1 ;	5.1
003	3/	20.	24.1 +-	.7 ;	3.6	21.2 +-	1.1 ;	5.3
004	343	3.8	23.1 +-	.7 ;	3.5	20.0 +-	1.1 ;	5.1
005	313	3.8	29.0 +-	.9 ;	4.3	26.8 +-	1.2 ;	5.9
006	291	3.0	24.7 +-	.7 ;	3.7	21.9 +-	1.1 ;	5.3
007	261	4.8	24.3 +-	.7 ;	3.6	21.4 +-	1.1 ;	5.3
008	249	3.2	25.6 +-	.8 ;	3.8	22.9 +-	1.1 ;	5.5
009	214	5.0	23.5 +-	.7 ;	3.5	20.4 +-	1.1 ;	5.2
010	171	9.8	22.9 +-	.7 ;	3.4	19.8 +-	1.1 ;	5.1
011	176	5.1	20.8 +-	.6 ;	3.1	17.3 +-	1.0 ;	4.8
012	165	4.9	24.3 +-	.7 ;	3.6	21.4 +-	1.1 ;	5.3
013	138	3.5	22.8 +-	.7 ;	3.4	19.6 +-	1.1 ;	5.1
014	114	4.2	23.7 +-	.7 ;	3.6	20.7 +-	1.1 ;	5.2
015	97	3.9	20.8 +-	.6 ;	3.1	17.4 +-	1.0 ;	4.8
016	94	3.8	26.2 +-	.8 ;	3.9	23.6 +-	1.2 ;	5.5
017	105	2.0	24.9 +-	.7 ;	3.7	22.1 +-	1.1 ;	5.4
018	52	1.5	22.9 +-	.7 ;	3.4	19.8 +-	1.1 ;	5.1
019	16	1.5	23.0 +-	.7 ;	3.4	19.9 +-	1.1 ;	5.1
020	1	1.0	22.6 +-	.7 ;	3.4	19.5 +-	1.1 ;	5.1
021	358	0.5	24.8 +-	.7 ;	3.7	22.0 +-	1.1 ;	5.4
022	180	0.6	24.5 +-	.7 ;	3.7	21.6 +-	1.1 ;	5.3
023	134	1.7	24.8 +-	.7 ;	3.7	22.0 +-	1.1 ;	5.4
024	58	0.6	25.5 +-	.8 ;	3.8	22.8 +-	1.1 ;	5.5
025	59	3.1	24.7 +-	.7 ;	3.7	21.8 +-	1.1 ;	5.3
026	16	1.5	24.6 +-	.7 ;	3.7	21.8 +-	1.1 ;	5.3
027	26	5.1	23.5 +-	.7 ;	3.5	20.4 +-	1.1 ;	5.2
028	25	7.0	22.0 +-	.7 ;	3.3	18.8 +-	1.1 ;	5.0
029	4	4.8	25.1 +-	.8 ;	3.8	22.3 +-	1.1 ;	5.4

TRANSIT DOSE = 5.7 +- .6 ; 2.8

LACROSSE
FOR THE PERIOD 830927-840119

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
348.75-11.25 (N)	21.3 +- 1.6	3
11.25-33.75 (NNE)	20.2 +- 1.2	4
33.75-56.25 (NE)	19.8 +- 0.0	1
56.25-78.75 (ENE)	22.3 +- .7	2
78.75-101.25 (E)	20.5 +- 4.4	2
101.25-123.75(ESE)	21.4 +- .9	2
123.75-146.25(SE)	20.8 +- 1.7	2
146.25-168.75(SSE)	21.4 +- 0.0	1
168.75-191.25(S)	19.6 +- 2.1	3
191.25-213.75(SSW)	NO DATA+-NO DATA	0
213.75-236.25(SW)	20.4 +- 0.0	1
236.25-258.75(WSW)	22.9 +- 0.0	1
258.75-281.25(W)	21.4 +- 0.0	1
281.25-303.75(WNW)	21.9 +- 0.0	1
303.75-326.25(NW)	26.8 +- 0.0	1
326.25-348.75(NNW)	20.0 +- 0.0	1

DISTANCE(mi) FROM THE REACTOR	NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
0-2	21.3 +- 1.2	9
2-5	21.6 +- 2.2	13
>5	19.1 +- 1.4	4
UPWIND CONTROL DATA	20.5 +- .7	3

LA SALLE
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 830919-840184 188 DAYS
FIELD TIME 98 DAYS

NRC STATION	LOCATION AZIMUTH (deg.)	LOCATION DIST (mi.)	GROSS EXPOSURE(mR) +- Rdm; Tot.	NET EXPOSURE RATE mR/Std.Qtr. +- Rdm; Tot.
001	302	10.	24.3 +- .7 ; 3.6	15.5 +- .8 ; 4.0
002	335	4.8	27.1 +- .8 ; 4.1	18.1 +- .9 ; 4.3
003	343	5.8	24.1 +- .7 ; 3.6	15.4 +- .8 ; 4.0
004	38	5.5	25.6 +- .8 ; 3.8	16.7 +- .8 ; 4.1
005	39	4.3	22.3 +- .7 ; 3.3	13.8 +- .8 ; 3.8
006	27	3.8	24.9 +- .7 ; 3.7	16.1 +- .8 ; 4.1
007	355	4.1	28.0 +- .8 ; 4.2	19.0 +- .9 ; 4.4
008	304	4.6	26.5 +- .8 ; 4.0	17.6 +- .9 ; 4.2
009	292	3.9	26.5 +- .8 ; 4.0	17.6 +- .9 ; 4.2
010	276	3.7	25.7 +- .8 ; 3.8	16.8 +- .8 ; 4.1
011	248	4.0	26.8 +- .8 ; 4.0	17.9 +- .9 ; 4.3
012	222	12.	25.5 +- .8 ; 3.8	16.7 +- .8 ; 4.1
013	212	18.	25.9 +- .8 ; 3.9	17.1 +- .9 ; 4.2
014	212	18.	26.9 +- .8 ; 4.0	18.0 +- .9 ; 4.3
015	212	18.	26.8 +- .8 ; 4.0	17.8 +- .9 ; 4.3
016	215	4.4	27.6 +- .8 ; 4.1	18.6 +- .9 ; 4.4
017	204	4.0	26.4 +- .8 ; 4.0	17.5 +- .9 ; 4.2
018	173	4.6	MISSING OR DAMAGED DOSIMETER	
019	174	6.4	25.7 +- .8 ; 3.9	16.9 +- .9 ; 4.1
020	158	4.9	27.7 +- .8 ; 4.1	18.7 +- .9 ; 4.4
021	125	4.2	26.8 +- .8 ; 4.0	17.9 +- .9 ; 4.3
022	114	3.8	26.4 +- .8 ; 4.0	17.5 +- .9 ; 4.2
023	97	4.5	26.2 +- .8 ; 3.9	17.3 +- .9 ; 4.2
024	72	4.7	MISSING OR DAMAGED DOSIMETER	
025	41	2.0	26.5 +- .8 ; 4.0	17.6 +- .9 ; 4.2
026	13	1.6	27.2 +- .8 ; 4.1	18.3 +- .9 ; 4.3
027	358	1.5	28.4 +- .9 ; 4.3	19.3 +- .9 ; 4.5
028	336	1.6	27.4 +- .8 ; 4.1	18.4 +- .9 ; 4.3
029	310	2.3	MISSING OR DAMAGED DOSIMETER	
030	301	2.0	27.2 +- .8 ; 4.1	18.3 +- .9 ; 4.3
031	271	1.7	MISSING OR DAMAGED DOSIMETER	
032	251	1.8	26.8 +- .8 ; 4.0	17.8 +- .9 ; 4.3
033	227	2.4	28.7 +- .9 ; 4.3	19.6 +- .9 ; 4.5
034	204	1.7	26.9 +- .8 ; 4.0	18.0 +- .9 ; 4.3
035	171	1.6	23.8 +- .7 ; 3.6	15.1 +- .8 ; 3.9
036	153	1.8	MISSING OR DAMAGED DOSIMETER	
037	139	2.1	26.9 +- .8 ; 4.0	18.0 +- .9 ; 4.3
038	111	1.5	24.4 +- .7 ; 3.7	15.7 +- .8 ; 4.0
039	271	0.6	28.2 +- .8 ; 4.2	19.2 +- .9 ; 4.4
TRANSIT DOSE =			7.3 +- .5 ; 2.4	

LA SALLE
FOR THE PERIOD 830919-840184

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std Dev.	# IN GROUP
348.75-11.25 (N)	19.2 +- .2	2
11.25-33.75 (NNE	17.2 +- 1.5	2
33.75-56.25 (NE)	16.0 +- 2.0	3
56.25-78.75 (ENE)	NO DATA+-NO DATA	0
78.75-101.25 (E)	17.3 +- 0.0	1
101.25-123.75(ESE)	16.6 +- 1.3	2
123.75-146.25(SE)	17.9 +- .1	2
146.25-168.75(SSE)	18.7 +- 0.0	1
168.75-191.25(S)	16.0 +- 1.3	2
191.25-213.75(SSW)	17.7 +- .4	2
213.75-236.25(SW)	18.3 +- 1.5	3
236.25-258.75(WSW)	17.9 +- .0	2
258.75-281.25(W)	18.0 +- 1.7	2
281.25-303.75(WNW)	17.1 +- 1.4	3
303.75-326.25(NW)	17.6 +- 0.0	1
326.25-348.75(NNW)	17.3 +- 1.7	3

DISTANCE(mi) FROM THE REACTOR	NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
0-2	17.3 +- 1.4	10
2-5	17.6 +- 1.3	16
>5	16.2 +- .7	5
UPWIND CONTROL DATA	17.6 +- .5	3

LIMERICK
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 830922-831228 98 DAYS
FIELD TIME 79 DAYS

NRC STATION	LOCATION AZIMUTH (deg.)	DIST (mi.)	GROSS EXPOSURE(mR) +- Rdm; Tot.	NET EXPOSURE RATE mR/Std.Qtr. +- Rdm; Tot.
002	131	17.	MISSING OR DAMAGED DOSIMETER	
003	88	3.7	20.3 +- .6 ; 3.0	19.9 +- .8 ; 3.8
004	52	3.2	21.5 +- .6 ; 3.2	21.3 +- .8 ; 4.0
005	23	3.5	21.7 +- .7 ; 3.3	21.5 +- .8 ; 4.1
006	8	4.6	22.2 +- .7 ; 3.3	22.1 +- .9 ; 4.1
007	340	7.1	22.4 +- .7 ; 3.4	22.3 +- .9 ; 4.2
008	330	3.6	21.4 +- .6 ; 3.2	21.1 +- .8 ; 4.0
009	313	3.3	21.7 +- .7 ; 3.3	21.5 +- .8 ; 4.1
010	291	4.8	20.8 +- .6 ; 3.1	20.5 +- .8 ; 3.9
011	303	2.9	25.9 +- .8 ; 3.9	26.3 +- 1.0 ; 4.7
012	314	1.6	20.0 +- .6 ; 3.0	19.5 +- .8 ; 3.8
013	352	1.7	21.4 +- .6 ; 3.2	21.2 +- .8 ; 4.0
014	339	1.3	18.8 +- .6 ; 2.8	18.2 +- .7 ; 3.6
015	47	1.8	20.6 +- .6 ; 3.1	20.3 +- .8 ; 3.9
016	71	2.7	22.1 +- .7 ; 3.3	22.0 +- .8 ; 4.1
017	17	.4	20.0 +- .6 ; 3.0	19.5 +- .8 ; 3.8
018	286	.5	19.2 +- .6 ; 2.9	18.6 +- .8 ; 3.7
019	276	.6	20.6 +- .6 ; 3.1	20.3 +- .8 ; 3.9
020	245	.9	19.4 +- .6 ; 2.9	18.9 +- .8 ; 3.7
021	224	1	20.7 +- .6 ; 3.1	20.3 +- .8 ; 3.9
022	202	1.2	21.5 +- .6 ; 3.2	21.3 +- .8 ; 4.0
023	172	1.6	18.7 +- .6 ; 2.8	18.1 +- .7 ; 3.6
024	150	1.7	18.4 +- .6 ; 2.8	17.8 +- .7 ; 3.5
025	132	1.2	21.5 +- .6 ; 3.2	21.3 +- .8 ; 4.0
026	120	1.2	22.1 +- .7 ; 3.3	22.0 +- .8 ; 4.1
027	160	1	20.9 +- .6 ; 3.1	20.6 +- .8 ; 3.9
028	91	1	22.0 +- .7 ; 3.3	21.8 +- .8 ; 4.1
029	67	.7	20.8 +- .6 ; 3.1	20.5 +- .8 ; 3.9
030	146	3.4	23.7 +- .7 ; 3.5	23.8 +- .9 ; 4.4
031	158	2.8	24.3 +- .7 ; 3.6	24.4 +- .9 ; 4.5
032	152	7.4	19.7 +- .6 ; 2.9	19.2 +- .8 ; 3.7
033	184	4.3	18.0 +- .5 ; 2.7	17.3 +- .7 ; 3.5
034	201	3.9	18.9 +- .6 ; 2.8	18.3 +- .8 ; 3.6
035	225	5.1	19.7 +- .6 ; 2.9	19.2 +- .8 ; 3.7
036	245	4.2	19.8 +- .6 ; 3.2	19.3 +- .8 ; 3.8
037	266	3.9	17.5 +- .5 ; 2.6	16.8 +- .7 ; 3.4
038	290	15	21.1 +- .6 ; 3.2	20.9 +- .8 ; 4.0
039	290	15	19.6 +- .6 ; 2.9	19.1 +- .8 ; 3.7
040	290	15	23.0 +- .7 ; 3.5	23.0 +- .9 ; 4.3
041	128	3	20.9 +- .6 ; 3.1	20.6 +- .8 ; 3.9
042	111	4.4	19.7 +- .6 ; 3.0	19.3 +- .8 ; 3.7
TRANSIT DOSE =			2.8 +- .3 ; 1.4	

LIMERICK
FOR THE PERIOD 830922-831228

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
348.75-11.25 (N)	21.6 +- .6	2
11.25-33.75 (NNE)	20.5 +- 1.4	2
33.75-56.25 (NE)	20.8 +- .7	2
56.25-78.75 (ENE)	21.2 +- 1.1	2
78.75-101.25 (E)	20.9 +- 1.4	2
101.25-123.75(ESE)	20.6 +- 1.9	2
123.75-146.25(SE)	21.9 +- 1.7	3
146.25-168.75(SSE)	20.5 +- 2.9	4
168.75-191.25(S)	17.7 +- .5	2
191.25-213.75(SSW)	19.8 +- 2.1	2
213.75-236.25(SW)	19.8 +- .8	2
236.25-258.75(WSW)	19.1 +- .3	2
258.75-281.25(W)	18.5 +- 2.5	2
281.25-303.75(WNW)	21.8 +- 4.0	3
303.75-326.25(NW)	20.5 +- 1.4	2
326.25-348.75(NNW)	20.6 +- 2.1	3

DISTANCE(mi) FROM THE REACTOR	NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
0-2	20.0 +- 1.3	17
2-5	20.9 +- 2.5	17
>5	20.2 +- 1.8	3
UPWIND CONTROL DATA	21.0 +- 1.9	3

MAINE YANKEE
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 830930-840110 103 DAYS
FIELD TIME 82 DAYS

NRC STATION	LOCATION AZIMUTH (deg.)	DIST (mi.)	GROSS EXPOSURE(mR) +- Rdm	Tot.	NET EXPOSURE RATE mR/Std.Qtr. +- Rdm	Tot.
002	6	1.4	27.6 +- .8	4.1	25.0 +- .9	4.8
003	23	1.5	21.7 +- .6	3.2	18.4 +- .8	3.9
004	44	1.8	26.5 +- .8	4.0	23.7 +- .9	4.6
005	116	.5	26.1 +- .8	3.9	23.3 +- .9	4.6
006	168	1	25.8 +- .8	3.9	23.0 +- .9	4.5
007	185	1.6	21.7 +- .6	3.2	18.4 +- .8	3.9
008	195	2.3	26.8 +- .8	4.0	24.1 +- .9	4.7
009	209	3.8	25.1 +- .8	3.8	22.2 +- .9	4.4
010	310	1.7	27.1 +- .8	4.1	24.4 +- .9	4.7
011	290	1.8	28.8 +- .9	4.3	26.3 +- 1.0	5.0
012	275	1.7	27.0 +- .8	4.0	24.2 +- .9	4.7
013	256	1.9	25.6 +- .8	3.8	22.7 +- .9	4.5
014	232	2.5	19.9 +- .6	3.0	16.4 +- .7	3.6
015	227	5.3	27.1 +- .8	4.1	24.4 +- .9	4.7
016	246	4.4	25.6 +- .8	3.8	22.8 +- .9	4.5
017	250	6.6	30.4 +- .9	4.6	28.0 +- 1.0	5.2
018	268	4.7	26.3 +- .8	3.9	23.5 +- .9	4.6
019	283	4.4	58.6 +- 1.8	8.8	59.0 +- 1.9	9.8
020	305	4.7	27.3 +- .8	4.1	24.6 +- .9	4.8
021	300	2.9	26.9 +- .8	4.0	24.1 +- .9	4.7
022	332	2.7	28.5 +- .9	4.3	25.9 +- 1.0	4.9
023	20	3.9	28.0 +- .8	4.2	25.3 +- 1.0	4.9
024	23	3	28.3 +- .8	4.2	25.7 +- 1.0	4.9
025	42	4.7	25.7 +- .8	3.8	22.8 +- .9	4.5
026	60	15	24.9 +- .7	3.7	22.0 +- .9	4.4
027	62	16.	21.7 +- .6	3.2	18.4 +- .8	3.9
028	63	16.	25.5 +- .8	3.8	22.6 +- .9	4.5
029	64	2.1	29.4 +- .9	4.4	26.9 +- 1.0	5.1
030	84	1.5	19.9 +- .6	3.0	16.4 +- .7	3.6
031	115	1.6	25.7 +- .8	3.9	22.9 +- .9	4.5
032	135	2	22.2 +- .7	3.3	19.0 +- .8	4.0
033	66	3.5	26.7 +- .8	4.0	24.0 +- .9	4.7
034	97	4.9	20.1 +- .6	3.0	16.7 +- .7	3.7
035	123	4.8	20.4 +- .6	3.1	17.0 +- .7	3.7
036	140	4.9	28.5 +- .9	4.3	25.9 +- 1.0	4.9
037	151	6	26.1 +- .8	3.9	23.3 +- .9	4.6
038	152	4.2	27.2 +- .8	4.1	24.5 +- .9	4.7
039	172	4.9	21.3 +- .6	3.2	18.0 +- .8	3.8
040	156	7.4	25.9 +- .8	3.9	23.0 +- .9	4.5
TRANSIT DOSE =	4.9	+- .2 ; 1.4				

MAINE YANKEE
FOR THE PERIOD 830930-840110

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std Dev.	# IN GROUP
348.75-11.25 (N)	25.0 +- 0.0	1
11.25-33.75 (NNE)	23.2 +- 4.1	3
33.75-56.25 (NE)	23.3 +- .7	2
56.25-78.75 (ENE)	25.4 +- 2.1	2
78.75-101.25 (E)	16.6 +- .2	2
101.25-123.75(ESE)	21.0 +- 3.5	3
123.75-146.25(SE)	22.5 +- 4.9	2
146.25-168.75(SSE)	23.4 +- .7	4
168.75-191.25(S)	18.2 +- .3	2
191.25-213.75(SSW)	23.1 +- 1.3	2
213.75-236.25(SW)	20.4 +- 5.6	2
236.25-258.75(WSW)	24.5 +- 3.0	3
258.75-281.25(W)	23.9 +- .5	2
281.25-303.75(WNW)	36.5 +- 19.5	3
303.75-326.25(NW)	24.5 +- .2	2
326.25-348.75(NNW)	25.9 +- 0.0	1

DISTANCE(mi) FROM THE REACTOR	NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
0-2	22.1 +- 3.0	13
2-5	24.7 +- 8.9	19
>5	24.7 +- 2.3	4
UPWIND CONTROL DATA	21.0 +- 2.3	3

MCGUIRE
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 830923-840120 120 DAYS
FIELD TIME 94 DAYS

NRC STATION	LOCATION AZIMUTH (deg.)	LOCATION DIST (mi.)	GROSS EXPOSURE(mR) +- Rdm	GROSS EXPOSURE(mR) Tot.	NET EXPOSURE RATE mR/Std.Qtr. +- Rdm	NET EXPOSURE RATE mR/Std.Qtr. Tot.
001	97	0.5	27.4 +- .8	4.1	20.3 +- 1.0	4.8
002	323	1.6	27.3 +- .8	4.1	20.2 +- 1.0	4.8
003	336	1.7	29.2 +- .9	4.4	22.1 +- 1.1	5.1
004	303	2.9	27.7 +- .8	4.2	20.6 +- 1.0	4.9
005	321	3.9	27.0 +- .8	4.0	19.9 +- 1.0	4.8
006	334	3.7	28.6 +- .9	4.3	21.4 +- 1.1	5.0
007	352	3.5	25.3 +- .8	3.8	18.3 +- 1.0	4.6
008	287	2.0	26.7 +- .8	4.0	19.7 +- 1.0	4.8
009	273	1.9	25.0 +- .8	3.8	18.0 +- 1.0	4.6
010	244	1.7	22.7 +- .7	3.4	15.8 +- .9	4.3
011	225	2.1	26.6 +- .8	4.0	19.5 +- 1.0	4.7
012	212	3.6	24.3 +- .7	3.6	17.3 +- 1.0	4.5
013	232	4.4	32.7 + 1.0	4.9	25.4 +- 1.1	5.5
014	253	3.7	30.8 +- .9	4.6	23.5 +- 1.1	5.2
015	261	4.2	23.8 +- .7	3.6	16.9 +- .9	4.4
016	288	4.3	34.2 +- 1.0	5.1	26.8 +- 1.2	5.7
017	288	16.	36.9 +- 1.1	5.5	29.4 +- 1.2	6.0
018	287	2.0	34.0 +- 1.0	5.1	26.7 +- 1.2	5.6
019	286	16.	34.3 +- 1.0	5.1	26.9 +- 1.2	5.7
020	233	17.	34.0 +- 1.0	5.1	26.7 +- 1.2	5.6
021	204	10.	MISSING OR DAMAGED DOSIMETER			
022	239	9.5	27.7 +- .8	4.2	20.6 +- 1.0	4.9
023	115	4.9	25.1 +- .8	3.8	18.1 +- 1.0	4.6
024	132	4.9	23.7 +- .7	3.5	16.8 +- .9	4.4
025	156	4.0	21.3 +- .6	3.2	14.5 +- .9	4.2
026	175	3.7	24.3 +- .7	3.6	17.4 +- 1.0	4.5
027	198	4.3	28.2 +- .8	4.2	21.1 +- 1.0	4.9
028	169	12.	26.[illegible] +- .8	3.9	19.0 +- 1.0	4.7
029	155	12.	25.8 +- .8	3.9	18.8 +- 1.0	4.7
030	146	13.	23.3 +- .7	3.5	16.4 +- .9	4.4
031	143	1.9	24.1 +- .7	3.6	17.1 +- 1.0	4.5
032	155	1.3	21.9 +- .7	3.3	15.1 +- .9	4.2
033	178	1.6	25.4 +- .8	3.8	18.4 +- 1.0	4.6
034	108	2.0	24.8 +- .7	3.7	17.8 +- 1.0	4.5
035	93	2.2	25.7 +- .8	3.8	18.7 +- 1.0	4.6
036	68	2.5	25.0 +- .7	3.7	18.0 +- 1.0	4.6
037	82	4.7	23.8 +- .7	3.6	16.9 +- .9	4.4
038	64	4.9	25.2 +- .8	3.8	18.2 +- 1.0	4.6
039	42	5.0	29.5 +- .9	4.4	22.3 +- 1.1	5.1
040	26	4.3	25.3 +- .8	3.8	18.3 +- 1.0	4.6
041	42	2.0	22.1 +- .7	3.3	15.3 +- .9	4.2
042	21	1.6	26.8 +- .8	4.0	19.7 +- 1.0	4.8
043	8	2.6	29.0 +- .9	4.4	21.9 +- 1.1	5.0
044	37/	13.	33.0 +- 1.0	5.0	25.7 +- 1.2	5.5
045	78/	18.	35.9 +- 1.1	5.4	28.4 +- 1.2	5.9
046	94/	18.	31.5 +- .9	4.7	24.2 +- 1.1	5.3

TRANSIT DOSE = 6.2 +- .7 ; 2.9

MCGUIRE
FOR THE PERIOD 830923-840120

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
348.75-11.25 (N)	20.1 +- 2.5	2
11.25-33.75 (NNE)	19.0 +- 1.0	2
33.75-56.25 (NE)	21.1 +- 5.3	3
56.25-78.75 (ENE)	21.6 +- 6.0	3
78.75-101.25 (E)	20.0 +- 3.1	4
101.25-123.75(ESE)	18.0 +- .2	2
123.75-146.25(SE)	16.8 +- .4	3
146.25-168.75(SSE)	16.1 +- 2.3	3
168.75-191.25(S)	18.3 +- .8	3
191.25-213.75(SSW)	19.2 +- 2.7	2
213.75-236.25(SW)	23.9 +- 3.8	3
236.25-258.75(WSW)	20.0 +- 3.9	3
258.75-281.25(W)	17.5 +- .8	2
281.25-303.75(WNW)	22.4 +- 3.9	3
303.75-326.25(NW)	20.1 +- .2	2
326.25-348.75(NNW)	21.8 +- .4	2

DISTANCE(mi) FROM THE REACTOR	NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
0-2	18.3 +- 2.2	12
2-5	19.6 +- 3.0	22
>5	22.5 +- 4.3	8
UPWIND CONTROL DATA	27.7 +- 1.5	3

MILLSTONE
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 830922-840111 112 DAYS
FIELD TIME 85 DAYS

NRC STATION	LOCATION AZIMUTH (deg.)	DIST (mi.)	GROSS EXPOSURE(mR) +- Rdm; Tot.			NET EXPOSURE RATE mR/Std.Qtr. +- Rdm; Tot.		
001	0	1	21.5 +-	.6 ;	3.2	17.9 +-	.8 ;	3.9
002	24	1.3	23.3 +-	.7 ;	3.5	19.8 +-	.9 ;	4.2
003	47	1.5	22.1 +-	.7 ;	3.3	18.5 +-	.8 ;	4.0
004	60	1.7	20.5 +-	.6 ;	3.1	16.8 +-	.8 ;	3.8
005	85	1.3	22.1 +-	.7 ;	3.3	18.5 +-	.8 ;	4.0
006	110	1.8	20.6 +-	.6 ;	3.1	17.0 +-	.8 ;	3.8
007	67	5.3	21.8 +-	.7 ;	3.3	18.2 +-	.8 ;	4.0
008	49	5.3	21.4 +-	.6 ;	3.2	17.8 +-	.8 ;	3.9
009	84	5.2	19.5 +-	.6 ;	2.9	15.8 +-	.8 ;	3.7
011	232	2.5	19.8 +-	.6 ;	3.0	16.1 +-	.8 ;	3.7
012	256	2.4	21.8 +-	.7 ;	3.3	18.2 +-	.8 ;	4.0
013	274	2.2	MISSING OR DAMAGED DOSIMETER					
014	295	1.9	20.2 +-	.6 ;	3.0	16.5 +-	.8 ;	3.8
015	315	1.5	23.7 +-	.7 ;	3.6	20.2 +-	.9 ;	4.2
016	339	1.2	21.9 +-	.7 ;	3.3	18.3 +-	.8 ;	4.0
017	353	3.5	21.4 +-	.6 ;	3.2	17.7 +-	.8 ;	3.9
018	24	3.5	21.1 +-	.6 ;	3.2	17.5 +-	.8 ;	3.9
019	33	3	22.7 +-	.7 ;	3.4	19.2 +-	.9 ;	4.1
020	82	4	19.0 +-	.6 ;	2.8	15.2 +-	.8 ;	3.6
022	59	3.7	21.7 +-	.6 ;	3.2	18.1 +-	.8 ;	4.0
028	257	5.8	22.6 +-	.7 ;	3.4	19.0 +-	.8 ;	4.1
029	272	3.7	22.5 +-	.7 ;	3.4	19.0 +-	.8 ;	4.1
030	295	3.5	24.8 +-	.7 ;	3.7	21.3 +-	.9 ;	4.4
031	317	3.6	21.1 +-	.6 ;	3.2	17.5 +-	.8 ;	3.9
032	327	4.3	23.2 +-	.7 ;	3.5	19.7 +-	.9 ;	4.2
033	41	4.7	21.7 +-	.7 ;	3.3	18.1 +-	.8 ;	4.0
034	54	5.5	22.4 +-	.7 ;	3.4	18.8 +-	.8 ;	4.1
037	354	6.8	21.7 +-	.7 ;	3.3	18.1 +-	.8 ;	4.0
039	1	5.7	20.5 +-	.6 ;	3.1	16.8 +-	.8 ;	3.8
040	278	8.7	19.2 +-	.6 ;	2.9	15.4 +-	.8 ;	3.6
041	34	11.	29.1 +-	.9 ;	4.4	25.9 +-	1.0 ;	5.0
042	84	8	21.0 +-	.6 ;	3.2	17.4 +-	.8 ;	3.9
046	41	.6	21.2 +-	.6 ;	3.2	17.5 +-	.8 ;	3.9
048	4	40	26.0 +-	.8 ;	3.9	22.6 +-	.9 ;	4.6
049	4	40	25.7 +-	.8 ;	3.8	22.3 +-	.9 ;	4.5
TRANSIT DOSE = 4.6 +- .4 ; 1.9								

MILLSTONE
FOR THE PERIOD 830922-840111

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std Dev.	# IN GROUP
348.75-11.25 (N)	17.6 +- .6	4
11.25-33.75 (NNE)	18.8 +- 1.2	3
33.75-56.25 (NE)	19.5 +- 3.2	6
56.25-78.75 (ENE)	17.7 +- .8	3
78.75-101.25 (E)	16.7 +- 1.5	4
101.25-123.75(ESE)	17.0 +- 0.0	1
123.75-146.25(SE)	NO DATA+-NO DATA	0
146.25-168.75(SSE)	NO DATA+-NO DATA	0
168.75-191.25(S)	NO DATA+-NO DATA	0
191.25-213.75(SSW)	NO DATA+-NO DATA	0
213.75-236.25(SW)	16.1 +- 0.0	1
236.25-258.75(WSW)	18.6 +- .6	2
258.75-281.25(W)	17.2 +- 2.5	2
281.25-303.75(WNW)	18.9 +- 3.4	2
303.75-326.25(NW)	18.9 +- 1.9	2
326.25-348.75(NNW)	19.0 +- 1.0	2

DISTANCE(mi) FROM THE REACTOR	NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
0-2	18.1 +- 1.2	10
2-5	18.1 +- 1.6	12
>5	18.3 +- 2.9	10
UPWIND CONTROL DATA	22.5 +- .2	2

MONTICELLO
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 830927-840119 115 DAYS
FIELD TIME 92 DAYS

NRC STATION	LOCATION AZIMUTH (deg.)	LOCATION DIST (mi.)	GROSS EXPOSURE(mR) +- Rdm;Tot.			NET EXPOSURE RATE mR/Std.Qtr. +- Rdm;Tot.			
001	133	3.6	24.8	+- .7	; 3.7	20.5	+- 1.0	;	4.6
002	163	4.6	24.8	+- .7	; 3.7	20.5	+- 1.0	;	4.6
003	183	4.1	24.5	+- .7	; 3.7	20.2	+- 1.0	;	4.6
004	206	4.3	26.2	+- .8	; 3.9	21.8	+- 1.0	;	4.7
005	230	4.2	24.3	+- .7	; 3.6	20.0	+- 1.0	;	4.5
006	253	4.6	25.3	+- .8	; 3.8	20.9	+- 1.0	;	4.6
007	269	4.4	24.9	+- .7	; 3.7	20.5	+- 1.0	;	4.6
008	286	4.0	25.1	+- .8	; 3.8	20.7	+- 1.0	;	4.6
009	274	1.9	24.1	+- .7	; 3.6	19.7	+- 1.0	;	4.5
010	244	1.3	23.2	+- .7	; 3.5	18.9	+- .9	;	4.4
011	226	0.9	23.8	+- .7	; 3.6	19.4	+- 1.0	;	4.5
012	181	1.8	24.9	+- .7	; 3.7	20.5	+- 1.0	;	4.6
013	137	1.7	24.2	+- .7	; 3.6	19.8	+- 1.0	;	4.5
014	155	1.0	24.2	+- .7	; 3.6	19.8	+- 1.0	;	4.5
015	208	0.5	23.7	+- .7	; 3.6	19.4	+- 1.0	;	4.5
016	284	2.0	23.9	+- .7	; 3.6	19.6	+- 1.0	;	4.5
017	113	1.6	18.2	+- .5	; 2.7	14.0	+- .8	;	3.9
018	85	1.1	23.6	+- .7	; 3.5	19.3	+- .9	;	4.4
019	63	1.2	24.1	+- .7	; 3.6	19.8	+- 1.0	;	4.5
020	37	1.7	23.6	+- .7	; 3.5	19.2	+- .9	;	4.4
021	23	0.8	24.4	+- .7	; 3.7	20.1	+- 1.0	;	4.5
022	354	0.7	24.6	+- .7	; 3.7	20.3	+- 1.0	;	4.6
023	338	0.8	24.3	+- .7	; 3.6	20.0	+- 1.0	;	4.5
024	307	1.8	24.4	+- .7	; 3.7	20.0	+- 1.0	;	4.5
025	339	4.1	24.7	+- .7	; 3.7	20.3	+- 1.0	;	4.6
026	320	4.6	17.3	+- .5	; 2.6	13.1	+- .8	;	3.8
027	354	4.5	21.8	+- .7	; 3.3	17.5	+- .9	;	4.2
028	17	3.7	22.9	+- .7	; 3.4	18.6	+- .9	;	4.4
029	50	4.0	23.7	+- .7	; 3.6	19.4	+- 1.0	;	4.5
030	77	3.6	23.9	+- .7	; 3.6	19.5	+- 1.0	;	4.5
031	115	3.3	25.6	+- .8	; 3.8	21.2	+- 1.0	;	4.7
032	90	4.6	24.8	+- .7	; 3.7	20.5	+- 1.0	;	4.6
033	323	15.	24.1	+- .7	; 3.6	19.8	+- 1.0	;	4.5
034	323	15.	24.4	+- .7	; 3.7	20.0	+- 1.0	;	4.5
035	323	15.	25.4	+- .8	; 3.8	21.0	+- 1.0	;	4.7
TRANSIT DOSE =			3.9	+- .7	; 2.9				

MONTICELLO
FOR THE PERIOD 830927-840119

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
348.75-11.25 (N)	18.9 +- 2.0	2
11.25-33.75 (NNE)	19.3 +- 1.0	2
33.75-56.25 (NE)	19.3 +- .1	2
56.25-78.75 (ENE)	19.6 +- .2	2
78.75-101.25 (E)	19.9 +- .8	2
101.25-123.75(ESE)	17.6 +- 5.1	2
123.75-146.25(SE)	20.1 +- .4	2
146.25-168.75(SSE)	20.1 +- .4	2
168.75-191.25(S)	20.3 +- .2	2
191.25-213.75(SSW)	20.6 +- 1.7	2
213.75-236.25(SW)	19.7 +- .4	2
236.25-258.75(WSW)	19.9 +- 1.4	2
258.75-281.25(W)	20.1 +- .6	2
281.25-303.75(WNW)	20.1 +- .8	2
303.75-326.25(NW)	16.5 +- 4.9	2
326.25-348.75(NNW)	20.1 +- .2	2

DISTANCE(mi) FROM THE REACTOR	NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
0-2	19.4 +- 1.5	16
2-5	19.7 +- 2.0	16
>5	NO DATA+-NO DATA	0
UPWIND CONTROL DATA	20.3 +- .6	3

NORTH ANNA
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 830928-840119 114 DAYS
FIELD TIME 102 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Rdm;Tot.			NET EXPOSURE RATE mR/Std.Qtr. +- Rdm;Tot.		
001	343	1.8	29.7	+- .9 ;	4.5	24.4	+- 1.0 ;	4.6
002	263	1.6	26.5	+- .8 ;	4.0	21.5	+- .9 ;	4.2
003	296	1	27.4	+- .8 ;	4.1	22.3	+- .9 ;	4.3
004	311	1.3	32.3	+- 1.0 ;	4.8	26.6	+- 1.0 ;	4.8
005	329	1.3	27.9	+- .8 ;	4.2	22.7	+- .9 ;	4.3
006	231	3.9	29.8	+- .9 ;	4.5	24.5	+- 1.0 ;	4.6
007	224	1.7	MISSING OR DAMAGED DOSIMETER					
008	210	1.	27.9	+- .8 ;	4.2	22.7	+- .9 ;	4.3
009	181	1.4	25.7	+- .8 ;	3.9	20.8	+- .9 ;	4.1
010	155	1.7	33.9	+- 1.0 ;	5.1	28.0	+- 1.0 ;	5.0
011	136	1.6	27.5	+- .8 ;	4.1	22.4	+- .9 ;	4.3
012	163	3.5	30.1	+- .9 ;	4.5	24.7	+- 1.0 ;	4.6
013	190	3.3	27.2	+- .8 ;	4.1	22.2	+- .9 ;	4.3
014	205	4.9	24.9	+- .7 ;	3.7	20.1	+- .9 ;	4.0
015	140	4.2	27.9	+- .8 ;	4.2	22.8	+- .9 ;	4.3
016	113	4.9	33.8	+- 1.0 ;	5.1	27.9	+- 1.0 ;	5.0
017	93	3.3	24.6	+- .7 ;	3.7	19.8	+- .8 ;	4.0
018	64	4.1	21.7	+- .7 ;	3.3	17.3	+- .8 ;	3.7
019	78	2.7	39.5	+- 1.2 ;	5.9	33.0	+- 1.2 ;	5.7
020	97	1.9	23.2	+- .7 ;	3.5	18.6	+- .8 ;	3.8
021	105	1.7	24.8	+- .7 ;	3.7	20.1	+- .8 ;	4.0
022	60	2.4	25.4	+- .8 ;	3.8	20.6	+- .9 ;	4.1
023	37	1.4	26.5	+- .8 ;	4.0	21.6	+- .9 ;	4.2
024	16	1.6	33.1	+- 1.0 ;	5.0	27.3	+- 1.0 ;	4.9
025	48	3.5	24.9	+- .7 ;	3.7	20.1	+- .9 ;	4.0
026	17	3.7	29.3	+- .9 ;	4.4	24.0	+- .9 ;	4.5
027	3	4.8	MISSING OR DAMAGED DOSIMETER					
028	348	4	26.2	+- .8 ;	3.9	21.3	+- .9 ;	4.2
029	2	1.9	23.9	+- .7 ;	3.6	19.2	+- .8 ;	3.9
030	284	5	25.3	+- .8 ;	3.8	20.4	+- .9 ;	4.1
031	310	4.7	33.6	+- 1.0 ;	5.0	27.8	+- 1.0 ;	5.0
032	273	4.9	22.5	+- .7 ;	3.4	18.0	+- .8 ;	3.8
033	257	5.1	28.0	+- .8 ;	4.2	22.8	+- .9 ;	4.4
034	242	7.1	29.4	+- .9 ;	4.4	24.1	+- .9 ;	4.5
035	255	11.	27.9	+- .8 ;	4.2	22.7	+- .9 ;	4.3
036	248	15.	27.2	+- .8 ;	4.1	22.2	+- .9 ;	4.3
037	247	17.	25.5	+- .8 ;	3.8	20.6	+- .9 ;	4.1
038	244	19.	23.9	+- .7 ;	3.6	19.2	+- .8 ;	3.9
TRANSIT DOSE =	2.1	+- .6 ; 2.6						

NORTH ANNA
FOR THE PERIOD 830928-840119

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
348.75-11.25 (N)	19.2 +- 0.0	1
11.25-33.75 (NNE)	25.7 +- 2.3	2
33.75-56.25 (NE)	20.8 +- 1.0	2
56.25-78.75 (ENE)	23.6 +- 8.3	3
78.75-101.25 (E)	19.2 +- .8	2
101.25-123.75(ESE)	24.0 +- 5.6	2
123.75-146.25(SE)	22.6 +- .3	2
146.25-168.75(SSE)	26.4 +- 2.3	2
168.75-191.25(S)	21.5 +- .9	2
191.25-213.75(SSW)	21.4 +- 1.8	2
213.75-236.25(SW)	24.5 +- 0.0	1
236.25-258.75(WSW)	23.5 +- .8	4
258.75-281.25(W)	19.8 +- 2.5	2
281.25-303.75(WNW)	21.4 +- 1.3	2
303.75-326.25(NW)	27.2 +- .8	2
326.25-348.75(NNW)	22.0 +- 1.0	2

DISTANCE(mi) FROM THE REACTOR	NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
0-2	22.7 +- 2.9	14
2-5	22.8 +- 4.1	16
>5	23.2 +- .8	3
UPWIND CONTROL DATA	20.7 +- 1.5	3

OCONEE
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 831005-840202 121 DAYS
FIELD TIME 93 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Rdm;Tot.	NET EXPOSURE RATE mR/Std.Qtr. +- Rdm;Tot.
001	158	7.5	30.3 +- .9 ; 4.5	27.4 +- 1.0 ; 5.1
002	133	4.9	32.7 +- 1.0 ; 4.9	29.7 +- 1.1 ; 5.4
003	119	4.3	31.0 +- .9 ; 4.6	28.1 +- 1.1 ; 5.2
004	84	4.7	MISSING OR DAMAGED DOSIMETER	
005	65	4.0	32.8 +- 1.0 ; 4.9	29.9 +- 1.1 ; 5.5
006	52	1.8	33.2 +- 1.0 ; 5.0	30.2 +- 1.1 ; 5.5
007	22	3.5	32.3 +- 1.0 ; 4.8	29.4 +- 1.1 ; 5.4
008	33	1.4	31.0 +- .9 ; 4.7	28.1 +- 1.1 ; 5.2
009	52	1.8	27.3 +- .8 ; 4.1	24.5 +- 1.0 ; 4.8
010	56	1.2	22.4 +- .7 ; 3.4	19.8 +- .9 ; 4.2
011	107	1.9	27.4 +- .8 ; 4.1	24.6 +- 1.0 ; 4.8
012	87	1.0	29.2 +- .9 ; 4.4	26.4 +- 1.0 ; 5.0
013	142	0.7	25.7 +- .8 ; 3.9	23.0 +- .9 ; 4.6
014	166	0.7	22.0 +- .7 ; 3.3	19.4 +- .9 ; 4.2
015	226	1.7	31.8 +- 1.0 ; 4.8	28.9 +- 1.1 ; 5.3
016	207	1.4	MISSING OR DAMAGED DOSIMETER	
017	182	2.2	22.5 +- .7 ; 3.4	19.9 +- .9 ; 4.2
018	186	3.8	21.4 +- .6 ; 3.2	18.8 +- .8 ; 4.1
019	155	4.1	27.9 +- .8 ; 4.2	25.1 +- 1.0 ; 4.8
020	203	8.4	26.8 +- .8 ; 4.0	24.0 +- 1.0 ; 4.7
021	210	4.6	29.8 +- .9 ; 4.5	27.0 +- 1.0 ; 5.1
022	227	4.8	25.7 +- .8 ; 3.8	23.0 +- .9 ; 4.6
023	240	3.6	30.6 +- .9 ; 4.6	27.7 +- 1.1 ; 5.2
024	268	3.6	33.4 +- 1.0 ; 5.0	30.5 +- 1.1 ; 5.5
025	257	1.9	27.3 +- .8 ; 4.1	24.5 +- 1.0 ; 4.8
026	293	3.6	29.5 +- .9 ; 4.4	26.6 +- 1.0 ; 5.0
027	311	3.5	24.8 +- .7 ; 3.7	22.1 +- .9 ; 4.5
028	288	2.0	27.0 +- .8 ; 4.1	24.3 +- 1.0 ; 4.7
029	275	1.8	26.1 +- .8 ; 3.9	23.3 +- .9 ; 4.6
030	321	1.8	26.4 +- .8 ; 4.0	23.6 +- 1.0 ; 4.7
031	344	2.0	26.1 +- .8 ; 3.9	23.3 +- .9 ; 4.6
032	336	3.7	36.4 +- 1.1 ; 5.5	33.3 +- 1.2 ; 5.9
033	358	4.5	31.2 +- .9 ; 4.7	28.3 +- 1.1 ; 5.3
034	256	9.4	36.8 +- 1.1 ; 5.5	33.7 +- 1.2 ; 6.0
035	149	21.	MISSING OR DAMAGED DOSIMETER	
036	126	8.2	33.8 +- 1.0 ; 5.1	30.8 +- 1.1 ; 5.6
037	96	9.7	31.9 +- 1.0 ; 4.8	29.0 +- 1.1 ; 5.3
038	32/	15.	MISSING OR DAMAGED DOSIMETER	
039	31/	15.	32.1 +- 1.0 ; 4.8	29.2 +- 1.1 ; 5.4
040	29/	15.	28.6 +- .9 ; 4.3	25.8 +- 1.0 ; 4.9

TRANSIT DOSE = 1.9 +- .6 ; 2.7

OCONEE
FOR THE PERIOD 831005-840202

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
348.75-11.25 (N)	28.3 +- 0.0	1
11.25-33.75 (NNE)	28.8 +- .9	2
33.75-56.25 (NE)	27.4 +- 4.0	2
56.25-78.75 (ENE)	24.8 +- 7.2	2
78.75-101.25 (E)	27.7 +- 1.8	2
101.25-123.75(ESE)	26.4 +- 2.4	2
123.75-146.25(SE)	27.9 +- 4.2	3
146.25-168.75(SSE)	24.0 +- 4.1	3
168.75-191.25(S)	19.4 +- .8	2
191.25-213.75(SSW)	25.5 +- 2.1	2
213.75-236.25(SW)	25.9 +- 4.2	2
236.25-258.75(WSW)	28.6 +- 4.7	3
258.75-281.25(W)	26.9 +- 5.0	2
281.25-303.75(WNW)	25.4 +- 1.7	2
303.75-326.25(NW)	22.9 +- 1.1	2
326.25-348.75(NNW)	28.3 +- 7.0	2

DISTANCE(mi) FROM THE REACTOR	NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
0-2	24.6 +- 3.1	14
2-5	26.6 +- 4.1	15
>5	29.0 +- 3.6	5
UPWIND CONTROL DATA	27.5 +- 2.4	2

OYSTER CREEK
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 830921-840111 113 DAYS
FIELD TIME 98 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Rdm;Tot.	NET EXPOSURE RATE mR/Std.Qtr. +- Rdm;Tot.
001	141	.5	14.3 +- .4 ; 2.1	NO NET DATA
002	120	.9	MISSING OR DAMAGED DOSIMETER	
003	105	1.5	14.9 +- .4 ; 2.2	NO NET DATA
004	127	1.5	18.2 +- .5 ; 2.7	NO NET DATA
005	137	1.3	17.3 +- .5 ; 2.6	NO NET DATA
006	158	1.2	14.8 +- .4 ; 2.2	NO NET DATA
007	176	2.2	17.7 +- .5 ; 2.7	NO NET DATA
008	179	1.6	18.0 +- .5 ; 2.7	NO NET DATA
009	159	2.8	16.1 +- .5 ; 2.4	NO NET DATA
010	167	8.4	MISSING OR DAMAGED DOSIMETER	
011	173	4.4	19.8 +- .6 ; 3.0	NO NET DATA
012	196	4.2	17.4 +- .5 ; 2.6	NO NET DATA
013	198	8.6	14.9 +- .4 ; 2.2	NO NET DATA
014	185	10.	19.9 +- .6 ; 3.0	NO NET DATA
015	171	10.	MISSING OR DAMAGED DOSIMETER	
016	154	8.2	17.3 +- .5 ; 2.6	NO NET DATA
017	126	6.3	17.8 +- .5 ; 2.7	NO NET DATA
018	220	4.6	MISSING OR DAMAGED DOSIMETER	
019	231	5.3	16.5 +- .5 ; 2.5	NO NET DATA
020	211	1.6	MISSING OR DAMAGED DOSIMETER	
022	258	1.5	18.1 +- .5 ; 2.7	NO NET DATA
023	271	1.2	18.2 +- .5 ; 2.7	NO NET DATA
024	297	1.3	20.0 +- .6 ; 3.0	NO NET DATA
025	318	1.5	18.7 +- .6 ; 2.8	NO NET DATA
026	341	3.2	19.5 +- .6 ; 2.9	NO NET DATA
027	330	4.6	19.2 +- .6 ; 2.9	NO NET DATA
028	358	3.2	18.0 +- .5 ; 2.7	NO NET DATA
029	4	1.8	18.7 +- .6 ; 2.8	NO NET DATA
030	19	.8	11.5 +- .3 ; 1.7	NO NET DATA
031	69	1.4	18.2 +- .5 ; 2.7	NO NET DATA
032	78	2.5	17.0 +- .5 ; 2.5	NO NET DATA
033	85	2.2	11.6 +- .3 ; 1.7	NO NET DATA
034	38	1.7	MISSING OR DAMAGED DOSIMETER	
035	24	1.9	19.6 +- .6 ; 2.9	NO NET DATA
036	50	3	19.4 +- .6 ; 2.9	NO NET DATA
037	46	4.8	16.3 +- .5 ; 2.4	NO NET DATA
038	27	4	MISSING OR DAMAGED DOSIMETER	
039	12	8.9	12.9 +- .4 ; 1.9	NO NET DATA
040	10	8.7	20.2 +- .6 ; 3.0	NO NET DATA
041	3	9.9	19.1 +- .6 ; 2.9	NO NET DATA
042	38	10.	16.8 +- .5 ; 2.5	NO NET DATA
043	46	9.1	20.9 +- .6 ; 3.1	NO NET DATA
044	73	6.5	17.7 +- .5 ; 2.7	NO NET DATA
045	79	6	19.4 +- .6 ; 2.9	NO NET DATA
046	278	20.	20.1 +- .6 ; 3.0	NO NET DATA
047	278	20.	19.3 +- .6 ; 2.9	NO NET DATA

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

OYSTER CREEK
FOR THE PEPIOD 830921-840111

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
348.75-11.25 (N)	15.1 +- .7	4
11.25-33.75 (NNE)	11.6 +- 3.4	3
33.75-56.25 (NE)	14.6 +- 1.7	4
56.25-78.75 (ENE)	14.0 +- .5	3
78.75-101.25 (E)	12.3 +- 4.4	2
101.25-123.75(ESE)	11.8 +- 0.0	1
123.75-146.25(SE)	13.4 +- 1.4	4
146.25-168.75(SSE)	12.8 +- 1.0	3
168.75-191.25(S)	15.0 +- .9	4
191.25-213.75(SSW)	12.9 +- 1.4	2
213.75-236.25(SW)	13.1 +- 0.0	1
236.25-258.75(WSW)	14.4 +- 0.0	1
258.75-281.25(W)	14.5 +- 0.0	1
281.25-303.75(WNW)	15.9 +- 0.0	1
303.75-326.25(NW)	14.9 +- 0.0	1
326.25-348.75(NNW)	15.4 +- .2	2

DISTANCE(mi) FROM THE REACTOR	AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
0-2	13.7 +- 1.9	14
2-5	13.9 +- 1.9	11
>5	14.1 +- 1.9	12
UPWIND CONTROL DATA	15.7 +- .5	2

PALISADES
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 830927-840120 116 DAYS
FIELD TIME 81 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Rdm;Tot.			NET EXPOSURE RATE mR/Std.Qtr. +- Rdm;Tot.			
001	195	4.9	22.1 +-	.7 ;	3.3	17.9 +-	1.0 ;	4.8	
002	173	4.6	23.9 +-	.7 ;	3.6	19.8 +-	1.1 ;	5.1	
003	156	3.9	24.1 +-	.7 ;	3.6	20.0 +-	1.1 ;	5.1	
004	132	4.6	22.4 +-	.7 ;	3.4	18.1 +-	1.0 ;	4.9	
005	118	3.3	24.4 +-	.7 ;	3.7	20.4 +-	1.1 ;	5.1	
006	152	1.8	23.3 +-	.7 ;	3.5	19.2 +-	1.1 ;	5.0	
007	196	2.2	23.2 +-	.7 ;	3.5	19.0 +-	1.1 ;	5.0	
008	178	1.6	23.1 +-	.7 ;	3.5	19.0 +-	1.1 ;	5.0	
009	200	0.9	22.8 +-	.7 ;	3.4	18.6 +-	1.0 ;	4.9	
010	124	1.8	22.9 +-	.7 ;	3.4	18.8 +-	1.0 ;	4.9	
011	107	1.6	21.1 +-	.6 ;	3.2	16.7 +-	1.0 ;	4.7	
012	90	1.5	21.5 +-	.6 ;	3.2	17.2 +-	1.0 ;	4.8	
013	65	1.7	22.4 +-	.7 ;	3.4	18.1 +-	1.0 ;	4.9	
014	51	1.9	MISSING OR DAMAGED DOSIMETER						
015	74	3.7	22.1 +-	.7 ;	3.3	17.9 +-	1.0 ;	4.8	
016	90	3.6	21.9 +-	.7 ;	3.3	17.6 +-	1.0 ;	4.8	
017	90/	10.	23.4 +-	.7 ;	3.5	19.3 +-	1.1 ;	5.0	
018	47	4.5	23.6 +-	.7 ;	3.5	19.5 +-	1.1 ;	5.0	
019	23	1.5	22.5 +-	.7 ;	3.4	18.3 +-	1.0 ;	4.9	
020	32	4.8	23.1 +-	.7 ;	3.5	19.0 +-	1.1 ;	5.0	
021	29	7.0	MISSING OR DAMAGED DOSIMETER						
022	99/	15.	25.2 +-	.8 ;	3.8	21.3 +-	1.1 ;	5.2	
023	98/	18.	23.5 +-	.7 ;	3.5	19.4 +-	1.1 ;	5.0	
024	98/	18.	23.7 +-	.7 ;	3.5	19.6 +-	1.1 ;	5.0	
TRANSIT DOSE = 6.0 +- .6 ; 2.8									

PALISADES
FOR THE PERIOD 830927-840120

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
348.75-11.25 (N)	NO DATA+-NO DATA	0
11.25-33.75 (NNE)	18.6 +- .5	2
33.75-56.25 (NE)	19.5 +- 0.0	1
56.25-78.75 (ENE)	18.0 +- .2	2
78.75-101.25 (E)	18.0 +- 1.1	3
101.25-123.75(ESE)	18.5 +- 2.6	2
123.75-146.25(SE)	18.4 +- .4	2
146.25-168.75(SSE)	19.6 +- .6	2
168.75-191.25(S)	19.4 +- .6	2
191.25-213.75(SSW)	18.5 +- .6	3
213.75-236.25(SW)	NO DATA+-NO DATA	0
236.25-258.75(WSW)	NO DATA+-NO DATA	0
258.75-281.25(W)	NO DATA+-NO DATA	0
281.25-303.75(WNW)	NO DATA+-NO DATA	0
303.75-326.25(NW)	NO DATA+-NO DATA	0
326.25-348.75(NNW)	NO DATA+-NO DATA	0

DISTANCE(mi) FROM THE REACTOR	NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
0-2	18.2 +- .9	8
2-5	18.9 +- 1.0	10
>5	19.3 +- 0.0	1
UPWIND CONTROL DATA	20.1 +- 1.1	3

PALO VERDE
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 830927-840110 106 DAYS
FIELD TIME 90 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Rdm; Tot.		NET EXPOSURE RATE mR/Std.Qtr. +- Rdm; Tot.	
001	74	23.	26.4 +- .8	4.0	24.8 +- .9	4.5
002	92	21.	25.7 +- .8	3.9	24.1 +- .9	4.4
003	89	15.	24.8 +- .7	3.7	23.2 +- .9	4.3
004	103	11.	28.3 +- .8	4.2	26.7 +- 1.0	4.8
005	140	7.4	25.3 +- .8	3.9	24.7 +- .9	4.5
006	142	3.1	25.4 +- .8	3.8	23.8 +- .9	4.4
007	162	2.6	25.0 +- .7	3.7	23.4 +- .9	4.3
008	168	2.6	27.6 +- .8	4.1	26.0 +- 1.0	4.7
009	193	2.6	30.2 +- .9	4.5	28.6 +- 1.0	5.0
010	215	3.1	27.3 +- .8	4.1	25.7 +- 1.0	4.6
011	200	1.7	26.3 +- .8	3.9	24.7 +- .9	4.5
012	214	1.0	26.3 +- .8	3.9	24.7 +- .9	4.5
013	242	0.7	28.6 +- .9	4.3	27.0 +- 1.0	4.8
014	263	0.6	26.6 +- .8	4.0	25.0 +- .9	4.6
015	295	0.6	25.6 +- .8	3.8	24.0 +- .9	4.4
016	325	1.0	25.6 +- .8	3.8	24.0 +- .9	4.4
017	347	1.8	25.6 +- .8	3.8	24.0 +- .9	4.4
018	0	2.4	27.5 +- .8	4.1	25.9 +- 1.0	4.7
019	18	1.5	25.0 +- .7	3.7	23.4 +- .9	4.3
020	37	2.0	24.8 +- .7	3.7	23.2 +- .9	4.3
021	58	2.3	27.3 +- .8	4.1	25.7 +- 1.0	4.6
022	75	2.8	27.7 +- .8	4.1	26.1 +- 1.0	4.7
023	93	4.4	25.3 +- .8	3.8	23.7 +- .9	4.4
024	101	3.3	25.0 +- .8	3.8	23.4 +- .9	4.3
025	346	2.9	26.0 +- .8	3.9	24.4 +- .9	4.5
026	334	4.3	28.0 +- .8	4.2	26.4 +- 1.0	4.7
027	333	7.9	MISSING OR DAMAGED DOSIMETER			
028	0	7.0	27.6 +- .8	4.1	26.0 +- 1.0	4.7
029	9	4.2	27.3 +- .8	4.1	25.7 +- 1.0	4.6
030	27	3.6	29.6 +- .9	4.4	28.0 +- 1.0	5.0
031	49	3.5	28.5 +- .9	4.3	26.9 +- 1.0	4.8
032	120	3.3	28.0 +- .8	4.2	26.4 +- 1.0	4.7

TRANSIT DOSE = 1.6 +- .5 ; 2.2

PALO VERDE
FOR THE PERIOD 830927-840110

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std Dev.	# IN GROUP
348.75-11.25 (N)	25.8 +- .2	3
11.25-33.75 (NNE)	25.7 +- 3.3	2
33.75-56.25 (NE)	25.0 +- 2.7	2
56.25-78.75 (ENE)	25.9 +- .2	2
78.75-101.25 (E)	23.6 +- .2	2
101.25-123.75(ESE)	26.6 +- .2	2
123.75-146.25(SE)	24.2 +- .7	2
146.25-168.75(SSE)	24.7 +- 1.9	2
168.75-191.25(S)	NO DATA+-NO DATA	0
191.25-213.75(SSW)	26.6 +- 2.8	2
213.75-236.25(SW)	25.2 +- .7	2
236.25-258.75(WSW)	27.0 +- 0.0	1
258.75-281.25(W)	25.0 +- 0.0	1
281.25-303.75(WNW)	24.0 +- 0.0	1
303.75-326.25(NW)	24.0 +- 0.0	1
326.25-348.75(NNW)	24.9 +- 1.3	3

DISTANCE(mi) FROM THE REACTOR	NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
0-2	24.4 +- 1.1	9
2-5	25.6 +- 1.6	16
>5	25.8 +- 1.0	3
UPWIND CONTROL DATA	24.0 +- .8	3

PEACH BOTTOM
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 830922-831229 99 DAYS
FIELD TIME 80 DAYS

NRC STATION	LOCATION AZIMUTH (deg.)	DIST (mi.)	GROSS EXPOSURE(mR) +- Rdm;Tot.	NET EXPOSURE RATE mR/Std.Qtr. +- Rdm;Tot.
001	329	10.	16.9 +- .5 ; 2.5	16.0 +- .8 ; 3.9
002	31	10.	MISSING OR DAMAGED DOSIMETER	
003	22	4.7	21.5 +- .6 ; 3.2	21.1 +- .9 ; 4.5
004	4	5	22.9 +- .7 ; 3.4	22.8 +- 1.0 ; 4.7
005	345	4.1	22.3 +- .7 ; 3.3	22.0 +- 1.0 ; 4.6
006	9	2.2	23.0 +- .7 ; 3.4	22.8 +- 1.0 ; 4.7
007	22	2.5	23.0 +- .7 ; 3.4	22.8 +- 1.0 ; 4.7
008	55	2.9	23.6 +- .7 ; 3.5	23.6 +- 1.0 ; 4.8
009	45	2	22.0 +- .7 ; 3.3	21.8 +- 1.0 ; 4.5
010	63	1.7	22.4 +- .7 ; 3.4	22.2 +- 1.0 ; 4.6
011	97	2	23.7 +- .7 ; 3.5	23.6 +- 1.0 ; 4.8
012	107	2.3	16.7 +- .5 ; 2.5	15.8 +- .8 ; 3.8
013	72	5	22.4 +- .7 ; 3.4	22.2 +- 1.0 ; 4.6
014	86	4.6	23.2 +- .7 ; 3.5	23.0 +- 1.0 ; 4.7
015	110	4.3	24.7 +- .7 ; 3.7	24.8 +- 1.0 ; 4.9
016	130	4.7	19.2 +- .6 ; 2.9	18.5 +- .9 ; 4.1
017	158	9	19.8 +- .6 ; 3.0	19.2 +- .9 ; 4.2
018	163	4.6	21.4 +- .6 ; 3.2	21.0 +- .9 ; 4.4
019	184	3.9	22.3 +- .7 ; 3.3	22.0 +- 1.0 ; 4.6
020	203	4.9	22.4 +- .7 ; 3.4	22.2 +- 1.0 ; 4.6
021	197	2.3	24.5 +- .7 ; 3.7	24.6 +- 1.0 ; 4.9
022	183	1.7	22.9 +- .7 ; 3.4	22.7 +- 1.0 ; 4.6
023	190	1.8	26.2 +- .8 ; 3.9	26.4 +- 1.1 ; 5.1
024	222	1.8	25.6 +- .8 ; 3.8	25.7 +- 1.0 ; 5.0
025	248	1.7	23.0 +- .7 ; 3.5	22.9 +- 1.0 ; 4.7
026	268	1.8	25.6 +- .8 ; 3.8	25.7 +- 1.0 ; 5.0
027	288	1.9	20.7 +- .6 ; 3.1	20.3 +- .9 ; 4.4
028	323	1.8	22.6 +- .7 ; 3.4	22.4 +- 1.0 ; 4.6
029	286	3.6	25.9 +- .8 ; 3.9	26.1 +- 1.1 ; 5.1
030	264	4	22.8 +- .7 ; 3.4	22.7 +- 1.0 ; 4.6
031	262	9.9	24.7 +- .7 ; 3.7	24.7 +- 1.0 ; 4.9
032	248	3.2	22.7 +- .7 ; 3.4	22.5 +- 1.0 ; 4.6
033	235	9.4	16.6 +- .5 ; 2.5	15.6 +- .8 ; 3.8
034	319	4.9	24.0 +- .7 ; 3.6	24.0 +- 1.0 ; 4.8
035	151	.7	21.8 +- .7 ; 3.3	21.5 +- .9 ; 4.5
036	148	16.	18.1 +- .5 ; 2.7	17.3 +- .9 ; 4.0
037	148	16.	19.7 +- .6 ; 2.9	19.1 +- .9 ; 4.2
038	148	16.	19.2 +- .6 ; 2.9	18.5 +- .9 ; 4.1

TRANSIT DOSE = 2.7 +- .5 ; 2.3

PEACH BOTTOM
FOR THE PERIOD 830922-831229

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
348.75-11.25 (N)	22.8 +- .0	2
11.25-33.75 (NNE)	22.0 +- 1.2	2
33.75-56.25 (NE)	22.7 +- 1.3	2
56.25-78.75 (ENE)	22.2 +- 0.0	2
78.75-101.25 (E)	23.3 +- .4	2
101.25-123.75(ESE)	20.3 +- 6.4	2
123.75-146.25(SE)	18.5 +- 0.0	1
146.25-168.75(SSE)	20.6 +- 1.2	3
168.75-191.25(S)	23.7 +- 2.4	3
191.25-213.75(SSW)	23.4 +- 1.7	2
213.75-236.25(SW)	20.7 +- 7.2	2
236.25-258.75(WSW)	22.7 +- .2	2
258.75-281.25(W)	24.4 +- 1.6	3
281.25-303.75(WNW)	23.2 +- 4.1	2
303.75-326.25(NW)	23.2 +- 1.2	2
326.25-348.75(NNW)	19.0 +- 4.3	2

DISTANCE(mi) FROM THE REACTOR	NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
0-2	23.2 +- 2.0	11
2-5	22.3 +- 2.3	19
>5	18.9 +- 4.2	4
UPWIND CONTROL DATA	18.3 +- .9	3

PERRY
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 830930-840210 134 DAYS
FIELD TIME 111 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Rdm;Tot.	NET EXPOSURE RATE mR/Std.Qtr. +- Rdm;Tot.
001	72	5.0	25.7 +- .8 ; 3.9	NO NET DATA
003	88	5.5	21.8 +- .7 ; 3.3	NO NET DATA
004	112	6.0	26.0 +- .8 ; 3.9	NO NET DATA
005	130	4.0	25.9 +- .8 ; 3.9	NO NET DATA
006	155	5.0	26.1 +- .8 ; 3.9	NO NET DATA
007	178	5.2	24.6 +- .7 ; 3.7	NO NET DATA
008	205	4.6	29.1 +- .9 ; 4.4	NO NET DATA
009	220	5.2	22.3 +- .7 ; 3.3	NO NET DATA
010	225	7.4	23.7 +- .7 ; 3.5	NO NET DATA
011	240	5.8	MISSING OR DAMAGED DOSIMETER	
012	225	19.	23.2 +- .7 ; 3.5	NO NET DATA
013	225	19.	21.6 +- .6 ; 3.2	NO NET DATA
014	212	12.	27.4 +- .8 ; 4.1	NO NET DATA
015	248	1.4	22.2 +- .7 ; 3.3	NO NET DATA
016	225	0.8	20.9 +- .6 ; 3.1	NO NET DATA
017	205	0.7	19.3 +- .6 ; 2.9	NO NET DATA
018	180	0.8	21.0 +- .6 ; 3.1	NO NET DATA
019	152	1.8	26.6 +- .8 ; 4.0	NO NET DATA
020	123	1.6	23.0 +- .7 ; 3.4	NO NET DATA
021	105	1.4	25.3 +- .8 ; 3.8	NO NET DATA
022	85	1.2	19.4 +- .6 ; 2.9	NO NET DATA
023	65	1.4	25.2 +- .8 ; 3.8	NO NET DATA
024	40	0.6	25.4 +- .8 ; 3.8	NO NET DATA
025	40	0.6	22.3 +- .7 ; 3.3	NO NET DATA
026	182	2.8	21.6 +- .6 ; 3.2	NO NET DATA
027	175	2.8	20.3 +- .6 ; 3.0	NO NET DATA

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

PERRY
FOR THE PERIOD 830930-840210

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
348.75-11.25 (N)	NO DATA+-NO DATA	0
11.25-33.75 (NNE)	NO DATA+-NO DATA	0
33.75-56.25 (NE)	16.0 +- 1.4	2
56.25-78.75 (ENE)	17.1 +- .2	2
78.75-101.25 (E)	13.8 +- 1.1	2
101.25-123.75(ESE)	16.6 +- 1.1	3
123.75-146.25(SE)	17.4 +- 0.0	1
146.25-168.75(SSE)	17.7 +- .2	2
169.75-191.25(S)	14.7 +- 1.3	4
191.25-213.75(SSW)	16.3 +- 4.7	2
213.75-236.25(SW)	15.0 +- .9	3
236.25-258.75(WSW)	14.9 +- 0.0	1
258.75-281.25(W)	NO DATA+-NO DATA	0
281.25-303.75(WNW)	NO DATA+-NO DATA	0
303.75-326.25(NW)	NO DATA+-NO DATA	0
326.25-348.75(NNW)	NO DATA+-NO DATA	0

DISTANCE(mi) FROM THE REACTOR	AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
0-2	15.3 +- 1.7	11
2-5	16.8 +- 2.2	6
>5	15.9 +- 1.1	5
UPWIND CONTROL DATA	16.2 +- 2.0	3

PILGRIM
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 830930-840110 103 DAYS
FIELD TIME 89 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Rdm;Tot.	NET EXPOSURE RATE mR/Std.Qtr. +- Rdm;Tot.
001	288	.1	44.8 +- 1.3 ; 6.7	42.1 +- 1.5 ; 7.3
002	310	.2	MISSING OR DAMAGED DOSIMETER	
005	289	.7	21.3 +- .6 ; 3.2	18.3 +- .9 ; 4.2
006	261	1.7	MISSING OR DAMAGED DOSIMETER	
007	270	.5	29.2 +- .9 ; 4.4	26.3 +- 1.1 ; 5.2
008	247	.3	MISSING OR DAMAGED DOSIMETER	
009	224	.3	19.6 +- .6 ; 2.9	16.6 +- .9 ; 4.0
010	205	.3	22.6 +- .7 ; 3.4	19.7 +- .9 ; 4.4
012	159	.4	26.0 +- .8 ; 3.9	23.0 +- 1.0 ; 4.8
013	146	.7	18.5 +- .6 ; 2.8	15.5 +- .8 ; 3.9
014	155	1	26.2 +- .8 ; 3.9	23.2 +- 1.0 ; 4.8
016	136	1.3	18.6 +- .6 ; 2.8	15.6 +- .8 ; 3.9
018	212	.8	20.9 +- .6 ; 3.1	17.9 +- .9 ; 4.1
019	232	1	17.2 +- .5 ; 2.6	14.2 +- .8 ; 3.7
021	256	1.6	21.0 +- .6 ; 3.1	18.0 +- .9 ; 4.2
022	130	2.5	19.7 +- .6 ; 2.9	16.7 +- .9 ; 4.0
023	146	3.4	19.9 +- .6 ; 3.0	16.9 +- .9 ; 4.0
025	168	1.5	19.0 +- .6 ; 2.8	16.0 +- .9 ; 3.9
026	180	1.3	16.7 +- .5 ; 2.5	13.6 +- .8 ; 3.7
027	231	1.8	18.0 +- .5 ; 2.7	15.0 +- .8 ; 3.8
030	153	2.2	19.9 +- .6 ; 3.0	16.9 +- .9 ; 4.0
031	179	2.5	18.1 +- .5 ; 2.7	15.1 +- .8 ; 3.8
032	217	2.6	21.6 +- .6 ; 3.2	18.6 +- .9 ; 4.2
033	234	2.5	17.8 +- .5 ; 2.7	14.8 +- .8 ; 3.8
037	264	4.2	19.7 +- .6 ; 2.9	16.7 +- .9 ; 4.0
038	152	3.5	20.3 +- .6 ; 3.0	17.3 +- .9 ; 4.1
039	155	5.3	16.2 +- .5 ; 2.4	13.2 +- .8 ; 3.6
040	272	4.6	19.7 +- .6 ; 2.9	16.7 +- .9 ; 4.0
042	281	4.6	17.8 +- .5 ; 2.7	14.8 +- .8 ; 3.8
043	291	5.8	MISSING OR DAMAGED DOSIMETER	
047	301	26.	MISSING OR DAMAGED DOSIMETER	
048	301	26.	MISSING OR DAMAGED DOSIMETER	
049	301	26.	MISSING OR DAMAGED DOSIMETER	

TRANSIT DOSE = 3.2 +- .6 ; 2.7

COMMENTS:

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

PILGRIM
FOR THE PERIOD 830930-840110

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
348.75-11.25 (N)	NO DATA+-NO DATA	0
11.25-33.75 (NNE)	NO DATA+-NO DATA	0
33.75-56.25 (NE)	NO DATA+-NO DATA	0
56.25-78.75 (ENE)	NO DATA+-NO DATA	0
78.75-101.25 (E)	NO DATA+-NO DATA	0
101.25-123.75(ESE)	NO DATA+-NO DATA	0
123.75-146.25(SE)	16.2 +- .7	4
146.25-168.75(SSE)	18.3 +- 4.0	6
168.75-191.25(S)	14.4 +- 1.0	2
191.25-213.75(SSW)	18.8 +- 1.3	2
213.75-236.25(SW)	15.8 +- 1.8	5
236.25-258.75(WSW)	18.0 +- 0.0	1
258.75-281.25(W)	18.6 +- 5.2	4
281.25-303.75(WNW)	30.2 +- 16.8	2
303.75-326.25(NW)	NO DATA+-NO DATA	0
326.25-348.75(NNW)	NO DATA+-NO DATA	0

DISTANCE(mi) FROM THE REACTOR	NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
0-2	19.7 +- 7.2	15
2-5	16.4 +- 1.2	10
>5	13.2 +- 0.0	1
UPWIND CONTROL DATA	NO DATA	NO DATA

PRAIRIE ISLAND
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 830928-840119 114 DAYS
FIELD TIME 95 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Rdm;Tot.			NET EXPOSURE RATE mR/Std.Qtr. +- Rdm;Tot.		
001	312	17.	26.5 +-	.8 ;	4.0	23.4 +-	.9 ;	4.5
002	310	15.	26.5 +-	.8 ;	4.0	23.4 +-	.9 ;	4.5
003	310	15.	26.0 +-	.8 ;	3.9	22.9 +-	.9 ;	4.4
004	308	5.5	25.1 +-	.8 ;	3.8	22.1 +-	.9 ;	4.3
005	297	4.1	24.4 +-	.7 ;	3.7	21.4 +-	.9 ;	4.2
006	287	1.3	25.3 +-	.8 ;	3.8	22.2 +-	.9 ;	4.3
007	313	0.8	22.1 +-	.7 ;	3.3	19.2 +-	.8 ;	4.0
008	244	0.5	24.5 +-	.7 ;	3.7	21.5 +-	.9 ;	4.2
009	194	0.6	23.7 +-	.7 ;	3.6	20.8 +-	.9 ;	4.2
010	155	0.5	23.7 +-	.7 ;	3.5	20.7 +-	.9 ;	4.1
011	129	1.6	22.5 +-	.7 ;	3.4	19.6 +-	.8 ;	4.0
012	153	1.4	23.0 +-	.7 ;	3.4	20.0 +-	.9 ;	4.1
013	217	0.6	22.9 +-	.7 ;	3.4	20.0 +-	.8 ;	4.1
014	178	0.8	24.9 +-	.7 ;	3.7	21.8 +-	.9 ;	4.3
015	272	1.9	24.0 +-	.7 ;	3.6	21.0 +-	.9 ;	4.2
016	262	4.6	MISSING OR DAMAGED DOSIMETER					
017	250	4.3	25.8 +-	.8 ;	3.9	22.7 +-	.9 ;	4.4
018	225	4.1	24.2 +-	.7 ;	3.6	21.2 +-	.9 ;	4.2
019	233	6.7	23.8 +-	.7 ;	3.6	20.8 +-	.9 ;	4.2
020	200	4.9	20.4 +-	.6 ;	3.1	17.6 +-	.8 ;	3.8
021	187	4.7	23.8 +-	.7 ;	3.6	20.8 +-	.9 ;	4.2
022	160	4.4	24.5 +-	.7 ;	3.7	21.5 +-	.9 ;	4.2
023	140	4.7	24.7 +-	.7 ;	3.7	21.7 +-	.9 ;	4.3
024	131	6.6	23.7 +-	.7 ;	3.6	20.8 +-	.9 ;	4.2
025	117	4.9	24.6 +-	.7 ;	3.7	21.6 +-	.9 ;	4.2
026	88	1.9	23.8 +-	.7 ;	3.6	20.8 +-	.9 ;	4.2
027	69	1.8	24.7 +-	.7 ;	3.7	21.7 +-	.9 ;	4.3
028	47	1.6	25.5 +-	.8 ;	3.8	22.4 +-	.9 ;	4.4
029	19	1.5	23.1 +-	.7 ;	3.5	20.2 +-	.9 ;	4.1
030	356	1.9	24.9 +-	.7 ;	3.7	21.9 +-	.9 ;	4.3
031	346	2.4	23.9 +-	.7 ;	3.6	20.9 +-	.9 ;	4.2
032	340	3.8	24.3 +-	.7 ;	3.6	21.3 +-	.9 ;	4.2
033	8	4.6	24.4 +-	.7 ;	3.7	21.4 +-	.9 ;	4.2
034	17	4.7	25.6 +-	.8 ;	3.8	22.6 +-	.9 ;	4.4
035	45	11.	24.5 +-	.7 ;	3.7	21.5 +-	.9 ;	4.2
036	48	4.7	24.1 +-	.7 ;	3.6	21.1 +-	.9 ;	4.2
037	61	4.2	24.0 +-	.7 ;	3.6	21.0 +-	.9 ;	4.2
038	86	4.9	24.9 +-	.7 ;	3.7	21.8 +-	.9 ;	4.3
039	107	9.1	24.6 +-	.7 ;	3.7	21.6 +-	.9 ;	4.3
040	111	3.7	23.1 +-	.7 ;	3.5	20.2 +-	.9 ;	4.1

TRANSIT DOSE = 1.8 +- .6 ; 2.6

PRAIRIE ISLAND
FOR THE PERIOD 830928-840119

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
348.75-11.25 (N)	21.7 +- .3	2
11.25-33.75 (NNE)	21.4 +- 1.7	2
33.75-56.25 (NE)	21.7 +- .7	3
56.25-78.75 (ENE)	21.3 +- .5	2
78.75-101.25 (E)	21.3 +- .7	2
101.25-123.75(ESE)	21.1 +- .8	3
123.75-146.25(SE)	20.7 +- 1.0	3
146.25-168.75(SSE)	20.7 +- .7	3
168.75-191.25(S)	21.3 +- .7	2
191.25-213.75(SSW)	19.2 +- 2.2	2
213.75-236.25(SW)	20.7 +- .6	3
236.25-258.75(WSW)	22.1 +- .8	2
258.75-281.25(W)	21.0 +- 0.0	1
281.25-303.75(WNW)	21.8 +- .6	2
303 75-326.25(NW)	20.7 +- 2.0	2
326.25-348.75(NNW)	21.1 +- .3	2

DISTANCE(mi) FROM THE REACTOR	NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
0-2	20.9 +- 1.0	15
2-5	21.2 +- 1.1	16
>5	21.3 +- .6	5
UPWIND CONTROL DATA	23.2 +- .3	3

QUAD CITIES
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 830919-840110 114 DAYS
FIELD TIME 97 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Rdm;Tot.	NET EXPOSURE RATE mR/Std.Qtr. +- Rdm;Tot.
001	7	0.7	MISSING OR DAMAGED DOSIMETER	
002	17	1.2	19.6 +- .6 ; 2.9	17.4 +- .8 ; 3.7
003	45	1.7	20.8 +- .6 ; 3.1	18.5 +- .8 ; 3.9
004	65	1.1	22.9 +- .7 ; 3.4	20.5 +- .8 ; 4.1
005	90	0.8	23.2 +- .7 ; 3.5	20.8 +- .9 ; 4.1
006	136	1.1	22.5 +- .7 ; 3.4	20.1 +- .8 ; 4.0
007	175	1.8	19.1 +- .6 ; 2.9	16.9 +- .8 ; 3.7
008	157	2.0	18.5 +- .6 ; 2.8	16.3 +- .8 ; 3.6
009	186	3.1	22.2 +- .7 ; 3.3	19.8 +- .8 ; 4.0
010	188	7.7	24.1 +- .7 ; 3.6	21.6 +- .9 ; 4.2
011	156	4.2	24.4 +- .7 ; 3.7	21.9 +- .9 ; 4.2
012	142	4.8	24.6 +- .7 ; 3.7	22.1 +- .9 ; 4.3
013	121	3.3	23.3 +- .7 ; 3.5	20.8 +- .9 ; 4.1
014	114	2.0	22.1 +- .7 ; 3.3	19.7 +- .8 ; 4.0
015	86	2.8	24.1 +- .7 ; 3.6	21.5 +- .9 ; 4.2
016	62	4.4	25.3 +- .8 ; 3.8	22.7 +- .9 ; 4.3
017	48	6.1	22.8 +- .7 ; 3.4	20.4 +- .8 ; 4.1
018	39	8.8	MISSING OR DAMAGED DOSIMETER	
019	36	4.7	22.4 +- .7 ; 3.4	20.0 +- .8 ; 4.0
020	16	4.3	22.7 +- .7 ; 3.4	20.3 +- .8 ; 4.1
021	358	4.2	25.2 +- .8 ; 3.8	22.6 +- .9 ; 4.3
022	336	4.1	27.3 +- .8 ; 4.1	24.6 +- .9 ; 4.6
023	337	5.7	24.3 +- .7 ; 3.6	21.8 +- .9 ; 4.2
024	317	4.4	25.7 +- .8 ; 3.9	23.1 +- .9 ; 4.4
025	295	4.1	24.3 +- .7 ; 3.6	21.7 +- .9 ; 4.2
026	282	6.9	21.2 +- .6 ; 3.2	18.9 +- .8 ; 3.9
027	265	4.3	23.4 +- .7 ; 3.5	20.9 +- .9 ; 4.1
028	253	4.0	23.3 +- .7 ; 3.5	20.8 +- .9 ; 4.1
029	356	2.8	26.3 +- .8 ; 3.9	23.6 +- .9 ; 4.5
030	335	1.9	21.5 +- .6 ; 3.2	19.1 +- .8 ; 3.9
031	317	2.6	26.3 +- .8 ; 3.9	23.6 +- .9 ; 4.5
032	295	2.5	23.1 +- .7 ; 3.5	20.7 +- .9 ; 4.1
033	266	2.0	25.8 +- .8 ; 3.9	23.2 +- .9 ; 4.4
034	248	2.2	MISSING OR DAMAGED DOSIMETER	
035	229	2.6	17.9 +- .5 ; 2.7	15.8 +- .7 ; 3.6
036	204	3.4	25.7 +- .8 ; 3.8	23.0 +- .9 ; 4.4
037	194	8.3	23.1 +- .7 ; 3.5	20.7 +- .9 ; 4.1
038	224	4.6	26.9 +- .8 ; 4.0	24.2 +- .9 ; 4.5
039	301	15.	21.5 +- .6 ; 3.2	19.1 +- .8 ; 3.9
040	301	15.	24.4 +- .7 ; 3.7	21.9 +- .9 ; 4.2
041	301	15.	22.6 +- .7 ; 3.4	20.2 +- .8 ; 4.1
TRANSIT DOSE =	.8 +- .6 ; 2.8			

QUAD CITIES
FOR THE PERIOD 830919-840110

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
348.75-11.25 (N)	23.1 +- .7	2
11.25-33.75 (NNE)	18.8 +- 2.1	2
33.75-56.25 (NE)	19.6 +- 1.0	3
56.25-78.75 (ENE)	21.6 +- 1.5	2
78.75-101.25 (E)	21.1 +- .6	2
101.25-123.75(ESE)	20.3 +- .8	2
123.75-146.25(SE)	21.1 +- 1.4	2
146.25-168.75(SSE)	19.1 +- 3.9	2
168.75-191.25(S)	19.4 +- 2.4	3
191.25-213.75(SSW)	21.8 +- 1.7	2
213.75-236.25(SW)	20.0 +- 5.9	2
236.25-258.75(WSW)	20.8 +- 0.0	1
258.75-281.25(W)	22.1 +- 1.6	2
281.25-303.75(WNW)	20.4 +- 1.4	3
303.75-326.25(NW)	23.3 +- .4	2
326.25-348.75(NNW)	21.8 +- 2.7	3

DISTANCE(mi) FROM THE REACTOR	NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
0-2	19.2 +- 2.1	10
2-5	21.7 +- 2.0	20
>5	20.7 +- 1.1	5
UPWIND CONTROL DATA	20.4 +- 1.4	3

RANCHO SECO
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 830928-840210 136 DAYS
FIELD TIME 96 DAYS

NRC STATION	LOCATION AZIMUTH (deg.)	LOCATION DIST (mi.)	GROSS EXPOSURE(mR) +- Rdm; Tot.	NET EXPOSURE RATE mR/Std.Qtr. +- Rdm; Tot.
001	288	16.	25.5 +- .8 ; 3.8	18.1 +- 1.0 ; 4.6
002	239	12.	21.4 +- .6 ; 3.2	14.3 +- .9 ; 4.2
003	213	16.	28.6 +- .9 ; 4.3	21.0 +- 1.0 ; 5.0
004	149	9.9	30.4 +- .9 ; 4.6	22.7 +- 1.1 ; 5.2
005	108	8.2	32.3 +- 1.0 ; 4.8	24.5 +- 1.1 ; 5.4
006	86	10.	25.2 +- .8 ; 3.8	17.9 +- 1.0 ; 4.6
007	83	9.7	21.8 +- .7 ; 3.3	14.7 +- .9 ; 4.3
008	37	7.1	23.6 +- .7 ; 3.5	16.3 +- .9 ; 4.4
009	65	0.8	18.9 +- .6 ; 2.8	11.9 +- .9 ; 4.0
010	43	0.7	24.6 +- .7 ; 3.7	17.2 +- 1.0 ; 4.5
011	92	0.2	25.5 +- .8 ; 3.8	18.1 +- 1.0 ; 4.6
012	131	1.6	23.8 +- .7 ; 3.6	16.5 +- .9 ; 4.5
013	358	0.6	23.8 +- .7 ; 3.6	16.5 +- .9 ; 4.5
014	323	0.7	19.8 +- .6 ; 3.0	12.8 +- .9 ; 4.1
015	151	0.7	23.6 +- .7 ; 3.5	16.3 +- .9 ; 4.4
016	219	0.9	25.4 +- .8 ; 3.8	18.0 +- 1.0 ; 4.6
017	245	1.5	25.1 +- .8 ; 3.8	17.8 +- 1.0 ; 4.6
018	254	2.3	24.1 +- .7 ; 3.6	16.8 +- 1.0 ; 4.5
019	323	7.0	25.6 +- .8 ; 3.8	18.2 +- 1.0 ; 4.7
020	309	6.3	25.7 +- .8 ; 3.8	18.3 +- 1.0 ; 4.7
021	279	5.7	MISSING OR DAMAGED DOSIMETER	
022	244	6.4	24.1 +- .7 ; 3.6	16.8 +- 1.0 ; 4.5
023	217	4.6	25.9 +- .8 ; 3.9	18.5 +- 1.0 ; 4.7
024	350	11.	26.1 +- .8 ; 3.9	18.7 +- 1.0 ; 4.7
025	318	17.	25.5 +- .8 ; 3.8	18.1 +- 1.0 ; 4.6
026	311	22.	28.0 +- .8 ; 4.2	20.4 +- 1.0 ; 4.9
027	306	27.	25.2 +- .8 ; 3.8	17.9 +- 1.0 ; 4.6
028	306	27.	24.8 +- .7 ; 3.7	17.4 +- 1.0 ; 4.6
029	306	27.	28.2 +- .8 ; 4.2	20.7 +- 1.0 ; 4.9
030	306	27.	24.2 +- .7 ; 3.6	16.9 +- 1.0 ; 4.5
TRANSIT DOSE =			6.2 +- .7 ; 3.1	

RANCHO SECO
FOR THE PERIOD 830928-840210

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
348.75-11.25 (N)	17.6 +- 1.6	2
11.25-33.75 (NNE)	NO DATA+-NO DATA	0
33.75-56.25 (NE)	16.8 +- .7	2
56.25-78.75 (ENE)	11.9 +- 0.0	1
78.75-101.25 (E)	16.9 +- 1.9	3
101.25-123.75(ESE)	24.5 +- 0.0	1
123.75-146.25(SE)	16.5 +- 0.0	1
146.25-168.75(SSE)	19.5 +- 4.5	2
168.75-191.25(S)	NO DATA+-NO DATA	0
191.25-213.75(SSW)	21.0 +- 0.0	1
213.75-236.25(SW)	18.2 +- .3	2
236.25-258.75(WSW)	16.4 +- 1.5	4
258.75-281.25(W)	NO DATA+-NO DATA	0
281.25-303.75(WNW)	18.1 +- 0.0	1
303.75-326.25(NW)	17.5 +- 2.6	6
326.25-348.75(NNW)	NO DATA+-NO DATA	0

DISTANCE(mi) FROM THE REACTOR	NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
0-2	16.1 +- 2.3	9
2-5	17.6 +- 1.2	2
>5	18.5 +- 2.8	15
UPWIND CONTROL DATA	18.6 +- 1.6	3

ROBINSON
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 830928-840119 114 DAYS
FIELD TIME 92 DAYS

NRC STATION	LOCATION AZIMUTH (deg.)	DIST (mi.)	GROSS EXPOSURE(mR) +- Rdm	Tot.	NET EXPOSURE RATE mR/Std.Qtr. +- Rdm	Tot.
001	191	0.2	20.8 +- .6	3.1	12.5 +- 1.0	4.5
002	151	1.9	25.4 +- .8	3.8	17.1 +- 1.1	4.9
003	134	2.0	22.7 +- .7	3.4	14.4 +- 1.0	4.7
004	119	1.9	20.7 +- .6	3.1	12.4 +- 1.0	4.4
005	89	2.1	24.4 +- .7	3.7	16.0 +- 1.0	4.8
006	65	1.0	23.0 +- .7	3.4	14.7 +- 1.0	4.7
007	46	1.8	23.7 +- .7	3.6	15.4 +- 1.0	4.8
008	27	1.9	MISSING OR DAMAGED DOSIMETER			
009	22	3.5	19.4 +- .6	2.9	11.1 +- .9	4.3
010	0	5.0	21.1 +- .6	3.2	12.8 +- 1.0	4.5
011	51	4.8	25.9 +- .8	3.9	17.5 +- 1.1	5.0
012	67	4.1	21.6 +- .6	3.2	13.3 +- 1.0	4.5
013	87	4.5	21.1 +- .6	3.2	12.8 +- 1.0	4.5
014	109	5.0	22.1 +- .7	3.3	13.8 +- 1.0	4.6
015	118	4.8	MISSING OR DAMAGED DOSIMETER			
016	138	5.3	22.5 +- .7	3.4	14.2 +- 1.0	4.6
017	115	17.	23.4 +- .7	3.5	15.0 +- 1.0	4.7
018	199	12.	23.2 +- .7	3.5	14.9 +- 1.0	4.7
019	208	4.8	28.3 +- .8	4.2	19.8 +- 1.1	5.3
020	225	4.0	26.9 +- .8	4.0	18.5 +- 1.1	5.1
021	178	4.6	19.1 +- .6	2.9	10.9 +- .9	4.3
022	167	3.7	22.6 +- .7	3.4	14.3 +- 1.0	4.6
023	181	2.3	21.8 +- .7	3.3	13.5 +- 1.0	4.6
024	194	2.0	25.2 +- .8	3.8	16.8 +- 1.1	4.9
025	228	2.1	23.7 +- .7	3.5	15.3 +- 1.0	4.8
026	245	1.5	16.2 +- .5	2.4	8.1 +- .9	4.0
027	273	1.8	20.0 +- .6	3.0	11.8 +- 1.0	4.4
028	287	2.0	19.3 +- .6	2.9	11.1 +- .9	4.3
029	311	1.6	23.1 +- .7	3.5	14.8 +- 1.0	4.7
030	334	1.9	22.7 +- .7	3.4	14.4 +- 1.0	4.7
031	353	1.8	17.5 +- .5	2.6	9.3 +- .9	4.1
032	333	4.0	23.5 +- .7	3.5	15.2 +- 1.0	4.7
033	318	4.7	22.8 +- .7	3.4	14.5 +- 1.0	4.7
034	310	6.9	22.2 +- .7	3.3	13.9 +- 1.0	4.6
035	295	4.0	26.8 +- .8	4.0	18.4 +- 1.1	5.1
036	269	4.6	25.0 +- .7	3.7	16.6 +- 1.0	4.9
037	252	4.6	24.8 +- .7	3.7	16.5 +- 1.0	4.9
038	274	10.	22.8 +- .7	3.4	14.5 +- 1.0	4.7
039	286	15.	20.2 +- .6	3.0	12.0 +- 1.0	4.4
040	289	16.	21.0 +- .6	3.1	12.7 +- 1.0	4.5
041	291	17.	22.4 +- .7	3.4	14.1 +- 1.0	4.6
TRANSIT DOSE =			8.0 +- .8	3.3		

ROBINSON
FOR THE PERIOD 830928-840119

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
348.75-11.25 (N)	11.0 +- 2.5	2
11.25-33.75 (NNE)	11.1 +- 0.0	1
33.75-56.25 (NE)	16.4 +- 1.5	2
56.25-78.75 (ENE)	14.0 +- .9	2
78.75-101.25 (E)	14.4 +- 2.2	2
101.25-123.75(ESE)	13.7 +- 1.3	3
123.75-146.25(SE)	14.3 +- .1	2
146.25-168.75(SSE)	15.7 +- 2.0	2
168.75-191.25(S)	12.3 +- 1.3	3
191.25-213.75(SSW)	17.2 +- 2.5	3
213.75-236.25(SW)	16.9 +- 2.2	2
236.25-258.75(WSW)	12.3 +- 5.9	2
258.75-281.25(W)	14.3 +- 2.4	3
281.25-303.75(WNW)	14.8 +- 5.2	2
303.75-326.25(NW)	14.4 +- .5	3
326.25-348.75(NNW)	14.8 +- .6	2

DISTANCE(mi) FROM THE REACTOR	NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
0-2	13.3 +- 2.7	13
2-5	15.1 +- 2.5	18
>5	14.5 +- .5	5
UPWIND CONTROL DATA	12.9 +- 1.1	3

ST.LUCIE
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 830923-840110 110 DAYS
FIELD TIME 89 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Rdm;Tot.			NET EXPOSURE RATE mR/Std.Qtr. +- Rdm;Tot.
001	20	0.3	19.6 +-	.6 ;	2.9	NO NET DATA
002	45	0.2	19.9 +-	.6 ;	3.0	NO NET DATA
003	67	0.2	20.4 +-	.6 ;	3.1	NO NET DATA
004	92	0.3	17.2 +-	.5 ;	2.6	NO NET DATA
005	115	0.4	18.1 +-	.5 ;	2.7	NO NET DATA
006	143	1.1	16.3 +-	.5 ;	2.4	NO NET DATA
007	150	2.0	15.9 +-	.5 ;	2.4	NO NET DATA
008	154	4.7	18.0 +-	.5 ;	2.7	NO NET DATA
009	152	22.	16.6 +-	.5 ;	2.5	NO NET DATA
010	152	22.	17.0 +-	.5 ;	2.6	NO NET DATA
011	152	22.	19.6 +-	.6 ;	2.9	NO NET DATA
012	168	14.	19.2 +-	.6 ;	2.9	NO NET DATA
013	185	10.	19.5 +-	.6 ;	2.9	NO NET DATA
014	183	11.	21.5 +-	.6 ;	3.2	NO NET DATA
015	170	8.0	19.7 +-	.6 ;	2.9	NO NET DATA
016	196	7.0	19.5 +-	.6 ;	2.9	NO NET DATA
017	229	7.9	16.6 +-	.5 ;	2.5	NO NET DATA
018	250	6.6	18.1 +-	.5 ;	2.7	NO NET DATA
019	247	4.8	16.8 +-	.5 ;	2.5	NO NET DATA
020	229	5.0	18.5 +-	.6 ;	2.8	NO NET DATA
021	208	3.8	17.3 +-	.5 ;	2.6	NO NET DATA
022	187	3.8	17.8 +-	.5 ;	2.7	NO NET DATA
023	203	2.6	14.6 +-	.4 ;	2.2	NO NET DATA
024	245	1.9	14.9 +-	.4 ;	2.2	NO NET DATA
025	280	2.2	17.6 +-	.5 ;	2.6	NO NET DATA
026	299	3.1	17.6 +-	.5 ;	2.6	NO NET DATA
027	305	3.8	17.3 +-	.5 ;	2.6	NO NET DATA
028	276	4.0	17.3 +-	.5 ;	2.6	NO NET DATA
029	293	5.8	17.9 +-	.5 ;	2.7	NO NET DATA
030	316	7.7	17.9 +-	.5 ;	2.7	NO NET DATA
032	300	10.	18.5 +-	.6 ;	2.8	NO NET DATA
033	322	8.7	19.6 +-	.6 ;	2.9	NO NET DATA
034	339	8.8	18.1 +-	.5 ;	2.7	NO NET DATA
035	342	2.9	17.3 +-	.5 ;	2.6	NO NET DATA
036	346	1.9	17.8 +-	.5 ;	2.7	NO NET DATA
037	353	1.0	17.0 +-	.5 ;	2.5	NO NET DATA
038	226	2.0	17.6 +-	.5 ;	2.6	NO NET DATA

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

ST.LUCIE
FOR THE PERIOD 830923-840110

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std Dev.	# IN GROUP
348.75-11.25 (N)	13.9 +- 0.0	1
11.25-33.75 (NNE)	16.0 +- 0.0	1
33.75-56.25 (NE)	16.3 +- 0.0	1
56.25-78.75 (ENE)	16.7 +- 0.0	1
78.75-101.25 (E)	14.1 +- 0.0	1
101.25-123.75(ESE)	14.8 +- 0.0	1
123.75-146.25(SE)	13.3 +- 0.0	1
146.25-168.75(SSE)	14.4 +- 1.4	3
168.75-191.25(S)	16.0 +- 1.2	4
191.25-213.75(SSW)	14.0 +- 2.0	3
213.75-236.25(SW)	14.3 +- .8	3
236.25-258.75(WSW)	13.6 +- 1.3	3
258.75-281.25(W)	14.3 +- .1	2
281.25-303.75(WNW)	14.7 +- .4	3
303.75-326.25(NW)	14.9 +- 1.0	3
326.25-348.75(NNW)	14.5 +- .3	3

DISTANCE(mi) FROM THE REACTOR	AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
0-2	14.5 +- 1.4	11
2-5	14.1 +- .8	11
>5	15.4 +- 1.0	12
UPWIND CONTROL DATA	14.5 +- 1.3	3

SALEM
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 830921-840111 113 DAYS
FIELD TIME 99 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Rdm;Tot.	NET EXPOSURE RATE mR/Std.Qtr. +- Rdm;Tot.
002	79	3.4	19.2 +- .6 ; 2.9	NO NET DATA
003	72	3.6	21.4 +- .6 ; 3.2	NO NET DATA
004	58	4.2	22.2 +- .7 ; 3.3	NO NET DATA
005	54	4.9	21.9 +- .7 ; 3.3	NO NET DATA
006	68	8.6	18.7 +- .6 ; 2.8	NO NET DATA
007	40	5.7	15.4 +- .5 ; 2.3	NO NET DATA
008	116	11.	20.8 +- .6 ; 3.1	NO NET DATA
010	8	5.8	21.1 +- .6 ; 3.2	NO NET DATA
011	15	8.1	19.7 +- .6 ; 3.0	NO NET DATA
012	24	8.6	19.0 +- .6 ; 2.8	NO NET DATA
013	49	8.6	19.5 +- .6 ; 2.9	NO NET DATA
014	90	6.7	16.9 +- .5 ; 2.5	NO NET DATA
015	105	6.4	18.8 +- .6 ; 2.8	NO NET DATA
030	353	12.	MISSING OR DAMAGED DOSIMETER	

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

COMMENTS:

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

SALEM
FOR THE PERIOD 830921-840111

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
348.75-11.25 (N)	16.8 +- 0.0	1
11.25-33.75 (NNE)	15.4 +- .4	2
33.75-56.25 (NE)	15.1 +- 2.6	3
56.25-78.75 (ENE)	16.5 +- 1.4	3
78.75-101.25 (E)	14.4 +- 1.3	2
101.25-123.75(ESE)	15.8 +- 1.2	2
123.75-146.25(SE)	NO DATA+-NO DATA	0
146.25-168.75(SSE)	NO DATA+-NO DATA	0
168.75-191.25(S)	NO DATA+-NO DATA	0
191.25-213.75(SSW)	NO DATA+-NO DATA	0
213.75-236.25(SW)	NO DATA+-NO DATA	0
236.25-258.75(WSW)	NO DATA+-NO DATA	0
258.75-281.25(W)	NO DATA+-NO DATA	0
281.25-303.75(WNW)	NO DATA+-NO DATA	0
303.75-326.25(NW)	NO DATA+-NO DATA	0
326.25-348.75(NNW)	NO DATA+-NO DATA	0

DISTANCE(mi) FROM THE REACTOR	AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
0-2	NO DATA+-NO DATA	0
2-5	16.8 +- 1.1	4
>5	15.0 +- 1.4	9
UPWIND CONTROL DATA	NO DATA	NO DATA

SALEM
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 830921-840111 113 DAYS
FIELD TIME 99 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Rdm;Tot.		NET EXPOSURE RATE mR/Std.Qtr. +- Rdm;Tot.	
017	331	4.2	21.2 +- .6 ;	3.2	14.7 +- .8 ;	3.8
018	320	3.8	18.8 +- .6 ;	2.8	12.6 +- .8 ;	3.6
019	299	3.4	20.9 +- .6 ;	3.1	14.5 +- .8 ;	3.8
021	276	3.6	22.9 +- .7 ;	3.4	16.2 +- .9 ;	4.0
022	266	4.7	21.4 +- .6 ;	3.2	14.9 +- .8 ;	3.8
023	257	4.4	22.9 +- .7 ;	3.4	16.3 +- .9 ;	4.0
024	240	4.4	23.6 +- .7 ;	3.5	16.9 +- .9 ;	4.1
025	217	4.9	23.3 +- .7 ;	3.5	16.6 +- .9 ;	4.0
026	204	3.9	22.0 +- .7 ;	3.3	15.5 +- .8 ;	3.9
027	188	4.2	23.4 +- .7 ;	3.5	16.7 +- .9 ;	4.0
028	319	20	24.8 +- .7 ;	3.7	18.0 +- .9 ;	4.2
029	265	6.7	19.0 +- .6 ;	2.9	12.7 +- .8 ;	3.6
030	353	12.	MISSING OR DAMAGED DOSIMETER			
031	0	18	22.8 +- .7 ;	3.4	16.2 +- .9 ;	4.0
032	338	8.1	21.7 +- .7 ;	3.3	15.2 +- .8 ;	3.9
033	265	9.8	21.8 +- .7 ;	3.3	15.3 +- .8 ;	3.9
034	270	13.	22.7 +- .7 ;	3.4	16.1 +- .9 ;	4.0

TRANSIT DOSE = 5.0 +- .6 ; 2.7

COMMENTS:

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

SALEM
FOR THE PERIOD 830921-840111

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
348.75-11.25 (N)	NO DATA+-NO DATA	0
11.25-33.75 (NNE)	NO DATA+-NO DATA	0
33.75-56.25 (NE)	NO DATA+-NO DATA	0
56.25-78.75 (ENE)	NO DATA+-NO DATA	0
78.75-101.25 (E)	NO DATA+-NO DATA	0
101.25-123.75(ESE)	NO DATA+-NO DATA	0
123.75-146.25(SE)	NO DATA+-NO DATA	0
146.25-168.75(SSE)	NO DATA+-NO DATA	0
168.75-191.25(S)	16.7 +- 0.0	1
191.25-213.75(SSW)	15.5 +- 0.0	1
213.75-236.25(SW)	16.6 +- 0.0	1
236.25-258.75(WSW)	16.6 +- .4	2
258.75-281.25(W)	15.1 +- 1.4	5
281.25-303.75(WNW)	14.5 +- 0.0	1
303.75-326.25(NW)	12.6 +- 0.0	1
326.25-348.75(NNW)	15.0 +- .3	2

DISTANCE(mi) FROM THE REACTOR	NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
0-2	NO DATA+-NO DATA	0
2-5	15.5 +- 1.4	10
>5	14.8 +- 1.5	4
UPWIND CONTROL DATA	17.1 +- 1.3	2

SAN ONOFRE
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 830928-840210 136 DAYS
FIELD TIME 95 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Rdm;Tot.					NET EXPOSURE RATE mR/Std.Qtr. +- Rdm;Tot.				
001	346	35.	33.8	+-	1.0	;	5.1	22.5	+-	1.4	;	6.4
002	346	35.	34.2	+-	1.0	;	5.1	22.9	+-	1.4	;	6.4
003	346	35.	33.9	+-	1.0	;	5.1	22.6	+-	1.4	;	6.4
004	327	11.	28.0	+-	.8	;	4.2	16.9	+-	1.3	;	5.8
005	308	14.	30.8	+-	.9	;	4.6	19.6	+-	1.3	;	6.1
006	307	10.	28.2	+-	.8	;	4.2	17.2	+-	1.3	;	5.8
007	318	6.3	28.2	+-	.8	;	4.2	17.2	+-	1.3	;	5.8
008	322	5.1	28.9	+-	.9	;	4.3	17.8	+-	1.3	;	5.9
009	311	3.3	29.8	+-	.9	;	4.5	18.6	+-	1.3	;	6.0
010	331	3.3	29.6	+-	.9	;	4.4	18.5	+-	1.3	;	6.0
011	300	2.6	27.8	+-	.8	;	4.2	16.8	+-	1.3	;	5.8
012	285	0.5	32.3	+-	1.0	;	4.8	21.0	+-	1.3	;	6.2
013	320	2.4	28.5	+-	.9	;	4.3	17.4	+-	1.3	;	5.9
014	320	1.7	31.0	+-	.9	;	4.6	19.8	+-	1.3	;	6.1
015	333	1.2	31.1	+-	.9	;	4.7	19.9	+-	1.3	;	6.1
016	30	1.9	30.3	+-	.9	;	4.5	19.1	+-	1.3	;	6.0
017	8	1.3	22.3	+-	.7	;	3.3	11.6	+-	1.2	;	5.3
018	39	2.4	31.6	+-	.9	;	4.7	20.3	+-	1.3	;	6.2
019	55	2.9	28.6	+-	.9	;	4.3	17.5	+-	1.3	;	5.9
020	77	4.1	31.8	+-	1.0	;	4.8	20.6	+-	1.3	;	6.2
021	87	4.7	31.5	+-	.9	;	4.7	20.3	+-	1.3	;	6.2
022	25	3.4	32.3	+-	1.0	;	4.8	21.1	+-	1.3	;	6.2
023	357	3.5	25.8	+-	.8	;	3.9	14.8	+-	1.2	;	5.6
024	25	0.4	29.0	+-	.9	;	4.4	17.9	+-	1.3	;	5.9
025	81	0.4	26.8	+-	.8	;	4.0	15.8	+-	1.2	;	5.7
026	126	2.1	27.3	+-	.8	;	4.1	16.3	+-	1.2	;	5.7
027	130	8.6	27.8	+-	.8	;	4.2	16.7	+-	1.3	;	5.8
028	99	8.9	26.2	+-	.8	;	3.9	15.2	+-	1.2	;	5.6
029	135	11.	21.7	+-	.6	;	3.2	11.0	+-	1.1	;	5.2
030	126	2.0	23.2	+-	.7	;	3.5	12.4	+-	1.2	;	5.4
031	128	3.7	22.9	+-	.7	;	3.4	12.1	+-	1.2	;	5.3
032	140	22.	27.3	+-	.8	;	4.1	16.3	+-	1.2	;	5.7
033	120	26.	25.9	+-	.8	;	3.9	14.9	+-	1.2	;	5.6
TRANSIT DOSE =	10.1	+-	1.0 ; 4.5									

SAN ONOFRE
FOR THE PERIOD 830928-840210

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
348.75-11.25 (N)	13.2 +- 2.3	2
11.25-33.75 (NNE)	19.4 +- 1.6	3
33.75-56.25 (NE)	18.9 +- 2.0	2
56.25-78.75 (ENE)	20.6 +- 0.0	1
78.75-101.25 (E)	17.1 +- 2.8	3
101.25-123.75(ESE)	14.9 +- 0.0	1
123.75-146.25(SE)	14.2 +- 2.6	6
146.25-168.75(SSE)	NO DATA+-NO DATA	0
168.75-191.25(S)	NO DATA+-NO DATA	0
191.25-213.75(SSW)	NO DATA+-NO DATA	0
213.75-236.25(SW)	NO DATA+-NO DATA	0
236.25-258.75(WSW)	NO DATA+-NO DATA	0
258.75-281.25(W)	NO DATA+-NO DATA	0
281.25-303.75(WNW)	18.9 +- 3.0	2
303.75-326.25(NW)	18.2 +- 1.1	7
326.25-348.75(NNW)	18.4 +- 1.5	3

DISTANCE(mi) FROM THE REACTOR	NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
0-2	17.2 +- 3.6	8
2-5	17.9 +- 2.6	12
>5	16.3 +- 2.3	10
UPWIND CONTROL DATA	22.6 +- .2	3

SEABROOK
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 831005-840110 98 DAYS
FIELD TIME 76 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Rdm; Tot.	NET EXPOSURE RATE mR/Std.Qtr. +- Rdm; Tot.
001	157	.7	23.7 +- .7 ; 3.6	21.7 +- 1.0 ; 5.0
002	179	.7	MISSING OR DAMAGED DOSIMETER	
003	199	.7	MISSING OR DAMAGED DOSIMETER	
004	223	.9	20.4 +- .6 ; 3.1	17.7 +- .9 ; 4.5
005	244	1.2	18.6 +- .6 ; 2.8	15.6 +- .9 ; 4.2
006	293	1	21.7 +- .6 ; 3.2	19.2 +- 1.0 ; 4.7
007	275	.5	18.2 +- .5 ; 2.7	15.1 +- .9 ; 4.2
008	317	2.8	20.8 +- .6 ; 3.1	18.2 +- 1.0 ; 4.5
009	331	1.6	21.3 +- .6 ; 3.2	18.8 +- 1.0 ; 4.6
010	358	1.9	20.3 +- .6 ; 3.0	17.6 +- .9 ; 4.5
011	20	2.6	23.3 +- .7 ; 3.5	21.1 +- 1.0 ; 4.9
012	50	2.1	18.5 +- .6 ; 2.8	15.4 +- .9 ; 4.2
013	82	1.7	19.5 +- .6 ; 2.9	16.7 +- .9 ; 4.4
014	43	4.1	20.3 +- .6 ; 3.0	17.6 +- .9 ; 4.5
015	0	4	21.2 +- .6 ; 3.2	18.6 +- 1.0 ; 4.6
016	20	12.	21.9 +- .7 ; 3.3	19.5 +- 1.0 ; 4.7
017	322	7.3	21.1 +- .6 ; 3.2	18.5 +- 1.0 ; 4.6
018	292	3.9	20.5 +- .6 ; 3.1	17.8 +- .9 ; 4.5
019	269	9.9	19.9 +- .6 ; 3.0	17.1 +- .9 ; 4.4
020	253	4.2	MISSING OR DAMAGED DOSIMETER	
021	232	4.7	20.9 +- .6 ; 3.1	18.3 +- 1.0 ; 4.6
022	213	6.1	22.0 +- .7 ; 3.3	19.6 +- 1.0 ; 4.7
023	189	6.6	26.2 +- .8 ; 3.9	24.6 +- 1.1 ; 5.3
024	166	7.2	19.5 +- .6 ; 2.9	16.6 +- .9 ; 4.4
025	177	4.1	23.5 +- .7 ; 3.5	21.4 +- 1.0 ; 4.9
026	159	4	20.1 +- .6 ; 3.0	17.3 +- .9 ; 4.4
027	138	2.4	23.3 +- .7 ; 3.5	21.2 +- 1.0 ; 4.9
028	117	4.4	18.6 +- .6 ; 2.8	15.6 +- .9 ; 4.2
030	66	2.1	21.7 +- .6 ; 3.2	19.2 +- 1.0 ; 4.7
031	336	5.4	21.5 +- .6 ; 3.2	19.1 +- 1.0 ; 4.6
032	237	18.	21.7 +- .7 ; 3.3	19.3 +- 1.0 ; 4.7
033	237	18.	MISSING OR DAMAGED DOSIMETER	
034	237	18.	21.3 +- .6 ; 3.2	18.8 +- 1.0 ; 4.6
TRANSIT DOSE =	5.4	+- .5 ; 2.2		

SEABROOK
FOR THE PERIOD 831005-840110

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
348.75-11.25 (N)	18.1 +- .8	2
11.25-33.75 (NNE)	20.3 +- 1.2	2
33.75-56.25 (NE)	16.5 +- 1.5	2
56.25-78.75 (ENE)	19.2 +- 0.0	1
78.75-101.25 (E)	16.7 +- 0.0	1
101.25-123.75(ESE)	15.6 +- 0.0	1
123.75-146.25(SE)	21.2 +- 0.0	1
146.25-168.75(SSE)	18.5 +- 2.7	3
168.75-191.25(S)	23.0 +- 2.2	2
191.25-213.75(SSW)	19.6 +- 0.0	1
213.75-236.25(SW)	18.0 +- .4	2
236.25-258.75(WSW)	15.6 +- 0.0	1
258.75-281.25(W)	16.1 +- 1.4	2
281.25-303.75(WNW)	18.5 +- 1.0	2
303.75-326.25(NW)	18.3 +- .3	2
326.25-348.75(NNW)	18.9 +- .2	2

DISTANCE(mi) FROM THE REACTOR	NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
0-2	17.8 +- 2.1	8
2-5	18.5 +- 2.0	12
>5	19.3 +- 2.6	7
UPWIND CONTROL DATA	19.1 +- .3	2

SEQUOYAH
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 830929-840119 113 DAYS
FIELD TIME 89 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Rdm;Tot.	NET EXPOSURE RATE mR/Std.Qtr. +- Rdm;Tot.
001	218	11.	MISSING OR DAMAGED DOSIMETER	
002	206	13.	23.7 +- .7 ; 3.5	18.4 +- 1.0 ; 4.6
003	203	3.9	29.1 +- .9 ; 4.4	23.8 +- 1.1 ; 5.3
004	199	2.0	18.5 +- .6 ; 2.8	13.1 +- .9 ; 4.0
005	181	1.4	30.9 +- .9 ; 4.6	25.7 +- 1.2 ; 5.5
006	153	1.5	23.7 +- .7 ; 3.6	18.4 +- 1.0 ; 4.6
007	139	1.9	23.4 +- .7 ; 3.5	18.1 +- 1.0 ; 4.5
008	115	1.8	24.2 +- .7 ; 3.6	18.9 +- 1.0 ; 4.7
009	84	1.6	23.2 +- .7 ; 3.5	17.9 +- 1.0 ; 4.5
010	66	1.3	25.4 +- .8 ; 3.8	20.1 +- 1.0 ; 4.8
011	45	1.5	26.2 +- .8 ; 3.9	20.9 +- 1.0 ; 4.9
012	14	2.0	26.9 +- .8 ; 4.0	21.6 +- 1.1 ; 5.0
013	2.0	2.1	26.9 +- .8 ; 4.0	21.6 +- 1.1 ; 5.0
014	19	3.9	25.4 +- .8 ; 3.8	20.1 +- 1.0 ; 4.8
015	48	4.0	23.6 +- .7 ; 3.5	18.3 +- 1.0 ; 4.6
016	65	4.9	24.2 +- .7 ; 3.6	18.9 +- 1.0 ; 4.7
017	90	3.9	25.3 +- .8 ; 3.8	20.0 +- 1.0 ; 4.8
018	111	3.4	25.8 +- .8 ; 3.9	20.5 +- 1.0 ; 4.8
019	135	3.4	23.7 +- .7 ; 3.6	18.4 +- 1.0 ; 4.6
020	158	3.4	21.0 +- .6 ; 3.1	15.6 +- .9 ; 4.3
021	184	4.6	MISSING OR DAMAGED DOSIMETER	
022	233	10.	16.0 +- .5 ; 2.4	10.6 +- .8 ; 3.7
023	219	4.9	25.1 +- .8 ; 3.8	19.8 +- 1.0 ; 4.8
024	241	4.3	25.0 +- .7 ; 3.7	19.7 +- 1.0 ; 4.7
025	235	2.0	21.7 +- .6 ; 3.2	16.3 +- .9 ; 4.4
026	248	1.5	22.5 +- .7 ; 3.4	17.2 +- 1.0 ; 4.4
027	266	1.2	22.7 +- .7 ; 3.4	17.4 +- 1.0 ; 4.5
028	291	1.2	24.2 +- .7 ; 3.6	18.9 +- 1.0 ; 4.6
029	309	1.2	24.6 +- .7 ; 3.7	19.3 +- 1.0 ; 4.7
030	330	0.5	26.7 +- .8 ; 4.0	21.4 +- 1.1 ; 5.0
031	339	1.8	MISSING OR DAMAGED DOSIMETER	
032	355	4.9	23.1 +- .7 ; 3.5	17.8 +- 1.0 ; 4.5
033	334	3.6	22.6 +- .7 ; 3.4	17.3 +- 1.0 ; 4.5
034	317	4.4	21.9 +- .7 ; 3.3	16.5 +- .9 ; 4.4
035	277	5.6	25.2 +- .8 ; 3.8	19.9 +- 1.0 ; 4.8
036	283	3.6	22.6 +- .7 ; 3.4	17.2 +- 1.0 ; 4.5
037	273	4.4	24.5 +- .7 ; 3.7	19.2 +- 1.0 ; 4.7
038	302	19.	22.9 +- .7 ; 3.4	17.5 +- 1.0 ; 4.5
039	290	18	23.8 +- .7 ; 3.6	18.5 +- 1.0 ; 4.6
040	289	18	23.2 +- .7 ; 3.5	17.9 +- 1.0 ; 4.5
041	318	6.1	25.0 +- .7 ; 3.7	19.7 +- 1.0 ; 4.7
TRANSIT DOSE =			5.5 +- .7 ; 2.8	

SEQUOYAH
FOR THE PERIOD 830929-840119

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
348.75-11.25 (N)	19.7 +- 2.7	2
11.25-33.75 (NNE)	20.9 +- 1.1	2
33.75-56.25 (NE)	19.6 +- 1.9	2
56.25-78.75 (ENE)	19.5 +- .9	2
78.75-101.25 (E)	19.0 +- 1.5	2
101.25-123.75(ESE)	19.7 +- 1.1	2
123.75-146.25(SE)	18.2 +- .3	2
146.25-168.75(SSE)	17.0 +- 2.0	2
168.75-191.25(S)	25.7 +- 0.0	1
191.25-213.75(SSW)	18.4 +- 5.3	3
213.75-236.25(SW)	15.6 +- 4.7	3
236.25-258.75(WSW)	18.4 +- 1.8	2
258.75-281.25(W)	18.8 +- 1.3	3
281.25-303.75(WNW)	18.1 +- 1.1	2
303.75-326.25(NW)	18.5 +- 1.7	3
326.25-348.75(NNW)	19.4 +- 2.9	2

DISTANCE(mi) FROM THE REACTOR	NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
0-2	19.0 +- 2.8	15
2-5	19.1 +- 2.0	16
>5	17.1 +- 4.4	4
UPWIND CONTROL DATA	18.0 +- .5	3

SHOREHAM
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 830928-840202 128 DA'S
FIELD TIME 97 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Rdm;Tot.			NET EXPOSURE RATE mR/Std.Qtr. +- Rdm;Tot.			
001	262	10	20.2	.6	3.0	13.4	.7		3.5
002	268	4.4	19.2	.6	2.9	12.5	.7		3.4
003	256	3.2	18.1	.5	2.7	11.5	.7		3.3
004	268	2.1	23.1	.7	3.5	16.1	.8		3.8
005	243	1.7	16.3	.5	2.4	9.8	.7		3.1
007	136	1.5	MISSING OR DAMAGED DOSIMETER						
008	116	0.9	23.0	.7	3.5	16.1	.8		3.8
009	910	0.8	18.0	.5	2.7	11.4	.7		3.3
010	730	0.7	17.0	.5	2.6	10.5	.7		3.2
011	62.	0.7	MISSING OR DAMAGED DOSIMETER						
012	75	1.6	19.7	.6	2.9	13.0	.7		3.5
013	88	2.1	20.1	.6	3.0	13.4	.7		3.5
014	119	4.6	19.6	.6	2.9	12.9	.7		3.4
015	110	10.	20.4	.6	3.1	13.6	.7		3.5
016	138	14.	19.2	.6	2.9	12.5	.7		3.4
017	162	11.	MISSING OR DAMAGED DOSIMETER						
018	170	11.	16.9	.5	2.5	10.4	.7		3.2
019	189	5.1	19.9	.6	3.0	13.2	.7		3.5
021	163	2.5	19.4	.6	2.9	12.7	.7		3.4
022	149	1.5	21.0	.6	3.2	14.2	.8		3.6
023	177	1.3	20.1	.6	3.0	13.3	.7		3.5
024	196	1.2	20.2	.6	3.0	13.4	.7		3.5
025	217	1.5	20.6	.6	3.1	13.8	.8		3.6
026	215	4.6	18.6	.6	2.8	11.9	.7		3.3
027	205	4.2	20.0	.6	3.0	13.3	.7		3.5
028	233	11	19.6	.6	2.9	12.9	.7		3.4
029	224	12.	19.3	.6	2.9	12.6	.7		3.4
030	202	14.	19.8	.6	3.0	13.0	.7		3.5
031	210	15.	18.8	.6	2.8	12.1	.7		3.4
032	210	15.	19.9	.6	3.0	13.1	.7		3.5
033	210	15.	17.8	.5	2.7	11.2	.7		3.2
034	27	.2	MISSING OR DAMAGED DOSIMETER						
035	50	.3	MISSING OR DAMAGED DOSIMETER						
036	133	3.9	20.5	.6	3.1	13.7	.7		3.5
TRANSIT DOSE =	5.7	+- .5 ; 2.3							

SHOREHAM
FOR THE PERIOD 830928-840202

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
348.75-11.25 (N)	11.0 +- .7	2
11.25-33.75 (NNE)	NO DATA+-NO DATA	0
33.75-56.25 (NE)	NO DATA+-NO DATA	0
56.25-78.75 (ENE)	13.0 +- 0.0	1
78.75-101.25 (E)	13.4 +- 0.0	1
101.25-123.75(ESE)	14.2 +- 1.7	3
123.75-146.25(SE)	13.1 +- .9	2
146.25-168.75(SSE)	13.5 +- 1.0	2
168.75-191.25(S)	12.3 +- 1.7	3
191.25-213.75(SSW)	13.2 +- .2	3
213.75-236.25(SW)	12.8 +- .8	4
236.25-258.75(WSW)	10.7 +- 1.2	2
258.75-281.25(W)	14.0 +- 1.9	3
281.25-303.75(WNW)	NO DATA+-NO DATA	0
303.75-326.25(NW)	NO DATA+-NO DATA	0
326.25-348.75(NNW)	NO DATA+-NO DATA	0

DISTANCE(mi) FROM THE REACTOR	NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
0-2	12.8 +- 1.9	9
2-5	13.1 +- 1.3	9
>5	12.7 +- 1.0	8
UPWIND CONTROL DATA	12.1 +- 1.0	3

SUMMER
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 830928-840120 115 DAYS
FIELD TIME 96 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Rdm;Tot.	NET EXPOSURE RATE mR/Std.Qtr. +- Rdm;Tot.
001	199	3.7	31.2 +- .9 ; 4.7	NO NET DATA
002	111	1.0	29.4 +- .9 ; 4.4	NO NET DATA
003	340	4.1	33.3 +- 1.0 ; 5.0	NO NET DATA
004	192	9.3	27.5 +- .8 ; 4.1	NO NET DATA
005	72	1.8	31.1 +- .9 ; 4.7	NO NET DATA
006	54	1.5	29.8 +- .9 ; 4.5	NO NET DATA
007	46	3.0	35.4 +- 1.1 ; 5.3	NO NET DATA
008	31	3.0	38.4 +- 1.2 ; 5.8	NO NET DATA
009	13	3.9	35.6 +- 1.1 ; 5.3	NO NET DATA
010	7	4.0	34.3 +- 1.0 ; 5.1	NO NET DATA
011	349	4.3	27.8 +- .8 ; 4.2	NO NET DATA
012	323	5.0	MISSING OR DAMAGED DOSIMETER	
013	333	3.0	MISSING OR DAMAGED DOSIMETER	
014	255	2.8	25.1 +- .8 ; 3.8	NO NET DATA
015	308	5.6	36.3 +- 1.1 ; 5.4	NO NET DATA
016	64	3.5	34.7 +- 1.0 ; 5.2	NO NET DATA
017	98	3.1	30.3 +- .9 ; 4.5	NO NET DATA
018	114	3.5	29.6 +- .9 ; 4.4	NO NET DATA
019	132	2.0	31.1 +- .9 ; 4.7	NO NET DATA
020	152	4.5	22.8 +- .7 ; 3.4	NO NET DATA
021	133	4.1	22.8 +- .7 ; 3.4	NO NET DATA
022	157	2.4	25.7 +- .8 ; 3.8	NO NET DATA
023	173	2.4	26.3 +- .8 ; 3.9	NO NET DATA
024	185	3.9	28.7 +- .9 ; 4.3	NO NET DATA
025	210	3.3	27.9 +- .8 ; 4.2	NO NET DATA
026	217	3.3	25.9 +- .8 ; 3.9	NO NET DATA
027	231	3.1	MISSING OR DAMAGED DOSIMETER	
028	267	2.7	31.2 +- .9 ; 4.7	NO NET DATA
029	276	3.4	29.4 +- .9 ; 4.4	NO NET DATA
030	293	3.8	35.0 +- 1.1 ; 5.3	NO NET DATA
031	244	3.6	28.4 +- .9 ; 4.3	NO NET DATA
032	247	6.2	30.7 +- .9 ; 4.6	NO NET DATA
033	218	9.0	30.2 +- .9 ; 4.5	NO NET DATA
034	192	9.3	27.5 +- .8 ; 4.1	NO NET DATA
035	184	14.	23.7 +- .7 ; 3.6	NO NET DATA
036	183	14.	23.0 +- .7 ; 3.5	NO NET DATA
037	182	14.	21.6 +- .6 ; 3.2	NO NET DATA
038	148	20.	26.4 +- .8 ; 4.0	NO NET DATA
039	140	25.	27.2 +- .8 ; 4.1	NO NET DATA
040	135	23.	27.1 +- .8 ; 4.1	NO NET DATA

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

SUMMER
FOR THE PERIOD 830928-840120

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
348.75-11.25 (N)	24.3 +- 3.6	2
11.25-33.75 (NNE)	28.9 +- 1.5	2
33.75-56.25 (NE)	25.5 +- 3.1	2
56.25-78.75 (ENE)	25.7 +- 2.0	2
78.75-101.25 (E)	23.7 +- 0.0	1
101.25-123.75(ESE)	23.1 +- .1	2
123.75-146.25(SE)	21.2 +- 2.7	4
146.25-168.75(SSE)	19.5 +- 1.5	3
168.75-191.25(S)	21.5 +- 1.3	2
191.25-213.75(SSW)	22.3 +- 1.4	4
213.75-236.25(SW)	21.9 +- 2.4	2
236.25-258.75(WSW)	21.9 +- 2.2	3
258.75-281.25(W)	23.7 +- 1.0	2
281.25-303.75(WNW)	27.4 +- 0.0	1
303.75-326.25(NW)	28.4 +- 0.0	1
326.25-348.75(NNW)	26.1 +- 0.0	1

DISTANCE(mi) FROM THE REACTOR	AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
0-2	23.7 +- .7	4
2-5	23.5 +- 3.4	22
>5	22.8 +- 2.6	8
UPWIND CONTROL DATA	17.8 +- .9	3

SURRY
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 830928-840119 114 DAYS
FIELD TIME 96 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Rdm; Tot.		NET EXPOSURE RATE mR/Std.Qtr. +- Rdm; Tot.	
001	118	18.	23.7 +- .7	3.5	19.2 +- .9	4.1
002	129	17.	24.9 +- .7	3.7	20.3 +- .9	4.2
003	162	16.	23.4 +- .7	3.5	18.9 +- .9	4.1
004	162	16.	23.2 +- .7	3.5	18.8 +- .9	4.0
005	156	5.1	MISSING OR DAMAGED DOSIMETER			
006	189	4.1	24.4 +- .7	3.7	19.9 +- .9	4.2
007	202	2.2	20.8 +- .6	3.1	16.5 +- .8	3.8
008	183	1.6	24.2 +- .7	3.6	19.7 +- .9	4.2
009	243	0.2	29.6 +- .9	4.4	24.7 +- 1.0	4.8
010	269	0.1	34.2 +- 1.0	5.1	29.1 +- 1.1	5.4
011	304	0.1	33.0 +- 1.0	5.0	27.9 +- 1.1	5.2
012	334	0.2	33.5 +- 1.0	5.0	28.4 +- 1.1	5.3
013	10	1.2	25.0 +- .7	3.7	20.4 +- .9	4.2
014	21	2.0	25.5 +- .8	3.8	20.9 +- .9	4.3
015	203	4.5	23.1 +- .7	3.5	18.6 +- .9	4.0
016	224	3.7	15.1 +- .5	2.3	11.2 +- .7	3.2
017	212	2.0	24.3 +- .7	3.6	19.7 +- .9	4.2
018	248	5.1	23.3 +- .7	3.5	18.9 +- .9	4.1
019	259	8.1	25.1 +- .8	3.8	20.5 +- .9	4.3
020	285	5.0	17.1 +- .5	2.6	13.0 +- .7	3.4
021	270	4.1	25.9 +- .8	3.9	21.3 +- .9	4.4
022	123	12.	26.7 +- .8	4.0	22.0 +- .9	4.4
023	102	11.	32.8 +- 1.0	4.9	27.8 +- 1.1	5.2
024	106	4.9	26.8 +- .8	4.0	22.1 +- .9	4.5
025	90	5.2	25.6 +- .8	3.8	21.0 +- .9	4.3
026	69	5.1	30.2 +- .9	4.5	25.3 +- 1.0	4.9
027	23	5.3	27.4 +- .8	4.1	22.6 +- 1.0	4.5
028	49	5.0	28.8 +- .9	4.3	24.0 +- 1.0	4.7
029	7.0	6.8	26.9 +- .8	4.0	22.2 +- .9	4.5
030	359	6.5	24.3 +- .7	3.6	19.7 +- .9	4.2
031	1.0	4.6	21.5 +- .6	3.2	17.1 +- .8	3.8
032	332	3.8	25.1 +- .8	3.8	20.5 +- .9	4.3
033	314	5.4	25.5 +- .8	3.8	20.9 +- .9	4.3
034	308	6.4	23.7 +- .7	3.6	19.2 +- .9	4.1
035	348	5.3	24.3 +- .7	3.6	19.8 +- .9	4.2
036	343	14.	19.0 +- .6	2.8	14.8 +- .8	3.6
037	340	15.	23.0 +- .7	3.5	18.6 +- .9	4.0
038	339	15.	23.3 +- .7	3.5	18.9 +- .9	4.1
039	153	1.9	26.9 +- .8	4.0	22.2 +- .9	4.5
040	144	2.1	26.2 +- .8	3.9	21.6 +- .9	4.4

TRANSIT DOSE = 3.2 +- .6 ; 2.5

SURRY
FOR THE PERIOD 830928-840119

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
348.75-11.25 (N)	19.9 +- 2.1	4
11.25-33.75 (NNE)	21.8 +- 1.2	2
33.75-56.25 (NE)	24.0 +- 0.0	1
56.25-78.75 (ENE)	25.3 +- 0.0	1
78.75-101.25 (E)	21.0 +- 0.0	1
101.25-123.75(ESE)	22.8 +- 3.6	4
123.75-146.25(SE)	20.9 +- .9	2
146.25-168.75(SSE)	20.0 +- 2.0	3
168.75-191.25(S)	19.8 +- .1	2
191.25-213.75(SSW)	18.3 +- 1.6	3
213.75-236.25(SW)	11.2 +- 0.0	1
236.25-258.75(WSW)	21.8 +- 4.1	2
258.75-281.25(W)	23.6 +- 4.7	3
281.25-303.75(WNW)	13.0 +- 0.0	1
303.75-326.25(NW)	22.7 +- 4.6	3
326.25-348.75(NNW)	22.9 +- 4.8	3

DISTANCE(mi) FROM THE REACTOR	NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
0-2	23.7 +- 3.9	9
2-5	18.7 +- 3.9	11
>5	21.1 +- 2.5	16
UPWIND CONTROL DATA	17.4 +- 2.3	3

SUSQUEHANNA
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 830922-831228 98 DAYS
FIELD TIME 80 DAYS

NRC STATION	LOCATION AZIMUTH (deg.)	DIST (mi.)	GROSS EXPOSURE(mR) +- Rdm; Tot.	NET EXPOSURE RATE mR/Std.Qtr. +- Rdm; Tot.
001	19	1.4	19.4 +- .6 ; 2.9	19.4 +- .8 ; 3.9
002	0	1.4	19.0 +- .6 ; 2.8	19.0 +- .8 ; 3.8
003	333	1.7	19.4 +- .6 ; 2.9	19.4 +- .8 ; 3.9
004	318	1.7	19.2 +- .6 ; 2.9	19.2 +- .8 ; 3.9
005	287	1.7	20.3 +- .6 ; 3.0	20.4 +- .8 ; 4.0
006	270	1.3	20.8 +- .6 ; 3.1	21.0 +- .9 ; 4.1
007	239	1.8	19.7 +- .6 ; 2.9	19.7 +- .8 ; 3.9
008	217	2	21.8 +- .7 ; 3.3	22.2 +- .9 ; 4.2
009	200	1.4	20.1 +- .6 ; 3.0	20.2 +- .8 ; 4.0
010	175	1.2	18.8 +- .6 ; 2.8	18.7 +- .8 ; 3.8
011	243	5.1	20.3 +- .6 ; 3.0	20.5 +- .8 ; 4.0
012	252	4.7	19.7 +- .6 ; 2.9	19.7 +- .8 ; 3.9
013	274	3.4	21.5 +- .6 ; 3.2	21.8 +- .9 ; 4.2
014	286	3.6	19.9 +- .6 ; 3.0	20.0 +- .8 ; 4.0
015	2	3.8	20.6 +- .6 ; 3.1	20.8 +- .8 ; 4.1
016	334	4.1	20.2 +- .6 ; 3.0	20.3 +- .8 ; 4.0
017	312	4.4	19.4 +- .6 ; 2.9	19.5 +- .8 ; 3.9
018	32	4.9	20.4 +- .6 ; 3.1	20.6 +- .8 ; 4.0
019	45	9.9	19.7 +- .6 ; 3.0	19.8 +- .8 ; 3.9
020	65	4.8	20.1 +- .6 ; 3.0	20.2 +- .8 ; 4.0
021	44	3.1	22.7 +- .7 ; 3.4	23.2 +- .9 ; 4.4
022	47	.7	23.2 +- .7 ; 3.5	23.7 +- .9 ; 4.4
023	65	1.2	17.9 +- .5 ; 2.7	17.7 +- .8 ; 3.7
024	87	1.4	19.8 +- .6 ; 3.0	19.9 +- .8 ; 3.9
025	108	1.4	19.3 +- .6 ; 2.9	19.3 +- .8 ; 3.9
026	137	1.5	19.3 +- .6 ; 2.9	19.3 +- .8 ; 3.9
027	152	1.5	20.6 +- .6 ; 3.1	20.8 +- .8 ; 4.1
028	108	3.7	20.6 +- .6 ; 3.1	20.8 +- .8 ; 4.1
029	102	4.3	21.0 +- .6 ; 3.2	21.3 +- .9 ; 4.1
030	140	4.3	21.2 +- .6 ; 3.2	21.4 +- .9 ; 4.1
031	162	3.4	19.6 +- .6 ; 2.9	19.6 +- .8 ; 3.9
032	176	3.5	19.6 +- .6 ; 2.9	19.6 +- .8 ; 3.9
033	192	3.1	21.5 +- .6 ; 3.2	21.8 +- .9 ; 4.2
034	231	4.4	18.8 +- .6 ; 2.8	18.7 +- .8 ; 3.8
035	134	12.	22.1 +- .7 ; 3.3	22.4 +- .9 ; 4.3
036	114	13.	MISSING OR DAMAGED DOSIMETER	
037	150	15.	MISSING OR DAMAGED DOSIMETER	
TRANSIT DOSE =			2.1 +- .4 ; 1.9	

SUSQUEHANNA
FOR THE PERIOD 830922-831228

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
348.75-11.25 (N)	19.9 +- 1.3	2
11.25-33.75 (NNE)	20.0 +- .8	2
33.75-56.25 (NE)	22.2 +- 2.1	3
56.25-78.75 (ENE)	19.0 +- 1.8	2
78.75-101.25 (E)	19.9 +- 0.0	1
101.25-123.75(ESE)	20.5 +- 1.0	3
123.75-146.25(SE)	20.4 +- 1.5	2
146.25-168.75(SSE)	20.2 +- .8	2
168.75-191.25(S)	19.2 +- .6	2
191.25-213.75(SSW)	21.0 +- 1.2	2
213.75-236.25(SW)	20.4 +- 2.4	2
236.25-258.75(WSW)	20.0 +- .4	3
258.75-281.25(W)	21.4 +- .6	2
281.25-303.75(WNW)	20.2 +- .3	2
303.75-326.25(NW)	19.3 +- .2	2
326.25-348.75(NNW)	19.9 +- .6	2

DISTANCE(mi) FROM THE REACTOR	NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
0-2	20.0 +- 1.4	16
2-5	20.6 +- 1.1	16
>5	20.1 +- .5	2
UPWIND CONTROL DATA	22.4 +- 0.0	1

THREE MILE ISLAND
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 830922-831229 99 DAYS
FIELD TIME 78 DAYS

NRC STATION	LOCATION AZIMUTH (deg.)	DIST (mi.)	GROSS EXPOSURE(mR) +- Rdm; Tot.	NET EXPOSURE RATE mR/Std.Qtr. +- Rdm; Tot.
001	95	5.9	20.7 +- .6 ; 3.1	NO NET DATA
002	101	3.9	22.1 +- .7 ; 3.3	NO NET DATA
003	109	2.7	16.0 +- .5 ; 2.4	NO NET DATA
004	163	1.8	16.4 +- .5 ; 2.5	NO NET DATA
005	161	2.2	19.9 +- .6 ; 3.0	NO NET DATA
006	150	1	22.0 +- .7 ; 3.3	NO NET DATA
007	136	.6	20.0 +- .6 ; 3.0	NO NET DATA
008	83	.4	20.7 +- .6 ; 3.1	NO NET DATA
009	60	.5	17.6 +- .5 ; 2.6	NO NET DATA
010	1	1.7	15.7 +- .5 ; 2.4	NO NET DATA
011	25	.9	15.5 +- .5 ; 2.3	NO NET DATA
012	46	2.8	15.7 +- .5 ; 2.3	NO NET DATA
013	19	5.2	16.3 +- .5 ; 2.4	NO NET DATA
014	358	2.5	15.5 +- .5 ; 2.3	NO NET DATA
015	133	9.0	18.6 +- .6 ; 2.8	NO NET DATA
016	0	3.1	15.0 +- .4 ; 2.2	NO NET DATA
018	349	3.5	MISSING OR DAMAGED DOSIMETER	
019	343	3.2	17.5 +- .5 ; 2.6	NO NET DATA
020	318	5	15.4 +- .5 ; 2.3	NO NET DATA
021	348	1.3	13.2 +- .4 ; 2.0	NO NET DATA
022	17	3.1	19.4 +- .6 ; 2.9	NO NET DATA
023	64	3.8	13.8 +- .4 ; 2.1	NO NET DATA
024	44	3.6	16.9 +- .5 ; 2.5	NO NET DATA
025	335	0.5	MISSING OR DAMAGED DOSIMETER	
027	006	7.4	20.6 +- .6 ; 3.1	NO NET DATA
029	293	0.4	MISSING OR DAMAGED DOSIMETER	
030	317	1.2	MISSING OR DAMAGED DOSIMETER	
031	306	9.6	18.9 +- .6 ; 2.8	NO NET DATA
032	297	7.4	18.3 +- .5 ; 2.7	NO NET DATA
033	301	5.9	14.8 +- .4 ; 2.2	NO NET DATA
034	267	2.3	15.8 +- .5 ; 2.4	NO NET DATA
035	299	1.8	18.6 +- .6 ; 2.8	NO NET DATA
036	267	1.2	13.7 +- .4 ; 2.0	NO NET DATA
037	256	1.4	13.9 +- .4 ; 2.1	NO NET DATA
038	225	1.9	21.2 +- .6 ; 3.2	NO NET DATA
039	200	2.1	13.6 +- .4 ; 2.0	NO NET DATA
040	204	2.5	14.9 +- .4 ; 2.2	NO NET DATA
041	185	13.	16.2 +- .5 ; 2.4	NO NET DATA
042	259	7.3	18.8 +- .6 ; 2.8	NO NET DATA
043	268	5.8	19.0 +- .6 ; 2.9	NO NET DATA
044	263	4.7	15.6 +- .5 ; 2.3	NO NET DATA
045	230	0.5	MISSING OR DAMAGED DOSIMETER	
046	177	3	14.7 +- .4 ; 2.2	NO NET DATA
047	177	5.7	15.8 +- .5 ; 2.4	NO NET DATA
048	182	9	27.9 +- .8 ; 4.2	NO NET DATA
049	206	0.3	MISSING OR DAMAGED DOSIMETER	

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

THREE MILE ISLAND
FOR THE PERIOD 830922-831229

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
348.75-11.25 (N)	15.1 +- 2.4	4
11.25-33.75 (NNE)	15.5 +- 1.9	3
33.75-56.25 (NE)	14.8 +- .8	2
56.25-78.75 (ENE)	14.3 +- 2.4	2
78.75-101.25 (E)	19.2 +- .7	3
101.25-123.75(ESE)	14.5 +- 0.0	1
123.75-146.25(SE)	17.5 +- .9	2
146.25-168.75(SSE)	17.6 +- 2.6	3
168.75-191.25(S)	16.9 +- 5.7	4
191.25-213.75(SSW)	12.9 +- .8	2
213.75-236.25(SW)	19.2 +- 0.0	1
236.25-258.75(WSW)	NO DATA+-NO DATA	0
258.75-281.25(W)	15.7 +- 1.7	4
281.25-303.75(WNW)	15.0 +- 2.2	2
303.75-326.25(NW)	15.6 +- 2.3	2
326.25-348.75(NNW)	13.9 +- 2.7	2

DISTANCE(mi) FROM THE REACTOR	AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
0-2	16.4 +- 2.8	9
2-5	14.8 +- 2.1	16
>5	17.1 +- 3.1	12
UPWIND CONTROL DATA	14.0 +- 2.5	3

TROJAN
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 830929-840202 127 DAYS
FIELD TIME 92 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Rdm;Tot.			NET EXPOSURE RATE mR/Std.Qtr. +- Rdm;Tot.		
001	340	0.6	16.6 +-	.5 ;	2.5	11.4 +-	.9 ;	4.2
002	334	1.5	21.2 +-	.6 ;	3.2	15.9 +-	1.0 ;	4.7
003	340	1.7	20.5 +-	.6 ;	3.1	15.2 +-	1.0 ;	4.6
004	328	3.9	18.6 +-	.6 ;	2.8	13.4 +-	.9 ;	4.4
005	308	4.6	20.5 +-	.6 ;	3.1	15.2 +-	1.0 ;	4.6
006	312	4.5	27.5 +-	.8 ;	4.1	22.0 +-	1.1 ;	5.3
007	267	4.6	20.8 +-	.6 ;	3.1	15.5 +-	1.0 ;	4.6
008	274	3.8	19.8 +-	.6 ;	3.0	14.5 +-	1.0 ;	4.5
009	279	1.7	19.2 +-	.6 ;	2.9	13.9 +-	1.0 ;	4.5
010	263	2.0	21.0 +	.6 ;	3.2	15.7 +-	1.0 ;	4.6
011	245	1.6	29.4 +-	.9 ;	4.4	23.9 +-	1.2 ;	5.5
012	223	1.2	26.2 +-	.8 ;	3.9	20.7 +-	1.1 ;	5.2
013	196	1.1	21.1 +-	.6 ;	3.2	15.8 +-	1.0 ;	4.6
014	180	1.2	23.8 +-	.7 ;	3.6	18.4 +-	1.0 ;	4.9
015	165	1.7	24.3 +-	.7 ;	3.6	18.9 +-	1.1 ;	5.0
016	212	3.9	26.9 +-	.8 ;	4.0	21.5 +-	1.1 ;	5.3
017	230	3.5	26.3 +-	.8 ;	3.9	20.8 +-	1.1 ;	5.2
018	162	9.3	25.8 +-	.8 ;	3.9	20.4 +-	1.1 ;	5.1
019	172	5.0	27.6 +-	.8 ;	4.1	22.1 +-	1.1 ;	5.3
020	334	5.8	23.7 +-	.7 ;	3.5	18.3 +-	1.0 ;	4.9
021	345	5.5	24.5 +-	.7 ;	3.7	19.1 +-	1.1 ;	5.0
022	356	5.5	24.4 +-	.7 ;	3.7	19.0 +-	1.1 ;	5.0
023	8	3.9	23.3 +-	.7 ;	3.5	18.0 +-	1.0 ;	4.9
024	15	3.7	24.4 +-	.7 ;	3.7	19.0 +-	1.1 ;	5.0
025	27	1.9	22.5 +-	.7 ;	3.4	17.1 +-	1.0 ;	4.8
026	37	2.1	27.3 +-	.8 ;	4.1	21.8 +-	1.1 ;	5.3
027	60	2.9	26.0 +-	.8 ;	3.9	20.6 +-	1.1 ;	5.2
028	55	4.5	26.3 +-	.8 ;	3.9	20.9 +-	1.1 ;	5.2
029	69	1.6	24.2 +-	.7 ;	3.6	18.8 +-	1.0 ;	5.0
030	83	3.9	23.9 +-	.7 ;	3.6	18.5 +-	1.0 ;	4.9
031	93	2.7	26.4 +-	.8 ;	4.0	20.9 +-	1.1 ;	5.2
032	119	2.2	26.5 +-	.8 ;	4.0	21.1 +-	1.1 ;	5.2
033	106	5.3	24.9 +-	.7 ;	3.7	19.5 +-	1.1 ;	5.0
034	134	2.5	23.3 +-	.7 ;	3.5	17.9 +-	1.0 ;	4.9
035	145	4.7	24.0 +-	.7 ;	3.6	18.6 +-	1.0 ;	4.9
036	270	17.	30.1 +-	.9 ;	4.5	24.6 +-	1.2 ;	5.6
037	270	17.	29.0 +-	.9 ;	4.4	23.5 +-	1.1 ;	5.5
038	270	17.	27.2 +-	.8 ;	4.1	21.7 +-	1.1 ;	5.3

TRANSIT DOSE = 4.9 +- .8 ; 3.5

TROJAN
FOR THE PERIOD 830929-840202

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
348.75-11.25 (N)	18.5 +- .8	2
11.25-33.75 (NNE)	18.1 +- 1.3	2
33.75-56.25 (NE)	21.4 +- .7	2
56.25-78.75 (ENE)	19.7 +- 1.3	2
78.75-101.25 (E)	19.7 +- 1.7	2
101.25-123.75(ESE)	20.3 +- 1.1	2
123.75-146.25(SE)	18.3 +- .5	2
146.25-168.75(SSE)	19.7 +- 1.0	2
168.75-191.25(S)	20.3 +- 2.6	2
191.25-213.75(SSW)	18.6 +- 4.0	2
213.75-236.25(SW)	20.8 +- .1	2
236.25-258.75(WSW)	23.9 +- 0.0	1
258.75-281.25(W)	14.9 +- .8	4
281.25-303.75(WNW)	NO DATA+-NO DATA	0
303.75-326.25(NW)	18.6 +- 4.8	2
326.25-348.75(NNW)	15.5 +- 2.9	6

DISTANCE(mi) FROM THE REACTOR	NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
0-2	17.1 +- 3.3	12
2-5	19.0 +- 2.8	18
>5	19.3 +- .8	5
UPWIND CONTROL DATA	23.3 +- 1.5	3

TURKEY POINT
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 830923-840110 110 DAYS
FIELD TIME 89 DAYS

NRC STATION	LOCATION AZIMUTH (deg.)	DIST (mi.)	GROSS EXPOSURE(mR) +- Rdm;Tot.	NET EXPOSURE RATE mR/Std.Qtr. +- Rdm;Tot.
001	310	1.3	13.1 +- .4 ; 2.0	NO NET DATA
002	292	2.4	17.4 +- .5 ; 2.6	NO NET DATA
003	340	1.9	17.4 +- .5 ; 2.6	NO NET DATA
004	354	2.0	MISSING OR DAMAGED DOSIMETER	
005	314	3.8	MISSING OR DAMAGED DOSIMETER	
006	331	4.2	16.7 +- .5 ; 2.5	NO NET DATA
007	291	5.4	17.6 +- .5 ; 2.6	NO NET DATA
008	263	5.1	12.4 +- .4 ; 1.9	NO NET DATA
009	242	5.7	13.4 +- .4 ; 2.0	NO NET DATA
010	234	6.2	15.0 +- .5 ; 2.3	NO NET DATA
011	220	6.2	16.3 +- .5 ; 2.4	NO NET DATA
012	213	6.9	14.3 +- .4 ; 2.1	NO NET DATA
013	199	10.	18.3 +- .5 ; 2.7	NO NET DATA
014	190	10.	18.5 +- .6 ; 2.8	NO NET DATA
015	180	10.	20.7 +- .6 ; 3.1	NO NET DATA
016	171	10.	20.8 +- .6 ; 3.1	NO NET DATA
017	165	9.0	18.5 +- .6 ; 2.8	NO NET DATA
018	203	16.	19.1 +- .6 ; 2.9	NO NET DATA
019	203	16.	18.4 +- .6 ; 2.8	NO NET DATA
020	203	16.	19.0 +- .6 ; 2.9	NO NET DATA
021	268	8.7	17.0 +- .5 ; 2.5	NO NET DATA
022	256	8.0	11.7 +- .4 ; 1.8	NO NET DATA
023	275	9.0	MISSING OR DAMAGED DOSIMETER	
024	285	9.0	20.3 +- .6 ; 3.0	NO NET DATA
025	293	8.7	18.6 +- .6 ; 2.8	NO NET DATA
026	301	8.4	20.4 +- .6 ; 3.1	NO NET DATA
027	311	8.3	18.9 +- .6 ; 2.8	NO NET DATA
028	327	8.2	19.8 +- .6 ; 3.0	NO NET DATA
029	339	9.3	18.3 +- .5 ; 2.7	NO NET DATA
030	350	8.7	16.1 +- .5 ; 2.4	NO NET DATA
031	359	9.9	19.0 +- .6 ; 2.8	NO NET DATA
032	2 /	18.	20.0 +- .6 ; 3.0	NO NET DATA
033	12/	21.	19.6 +- .6 ; 2.9	NO NET DATA
034	18/	24.	20.8 +- .6 ; 3.1	NO NET DATA
035	28/	22.	17.9 +- .5 ; 2.7	NO NET DATA
036	15	0.3	18.2 +- .5 ; 2.7	NO NET DATA
037	228	0.5	18.0 +- .5 ; 2.7	NO NET DATA

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

TURKEY POINT
FOR THE PERIOD 830920-840110

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
348.75-11.25 (N)	15.0 +- 1.7	3
11.25-33.75 (NNE)	15.6 +- 1.1	4
33.75-56.25 (NE)	NO DATA+-NO DATA	0
56.25-78.75 (ENE)	NO DATA+-NO DATA	0
78.75-101.25 (E)	NO DATA+-NO DATA	0
101.25-123.75(ESE)	NO DATA+-NO DATA	0
123.75-146.25(SE)	NO DATA+-NO DATA	0
146.25-168.75(SSE)	15.1 +- 0.0	1
168.75-191.25(S)	16.0 +- 1.1	3
191.25-213.75(SSW)	13.3 +- 2.3	2
213.75-236.25(SW)	13.4 +- 1.2	3
236.25-258.75(WSW)	10.3 +- 1.0	2
258.75-281.25(W)	12.0 +- 2.6	2
281.25-303.75(WNW)	15.4 +- 1.2	5
303.75-326.25(NW)	13.1 +- 3.4	2
326.25-348.75(NNW)	14.8 +- 1.1	4

DISTANCE(mi) FROM THE REACTOR	AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
0-2	13.6 +- 2.0	4
2-5	13.9 +- .4	2
>5	14.5 +- 2.2	25
UPWIND CONTROL DATA	15.4 +- .3	3

VERMONT YANKEE
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

VERMONT YANKEE-Fourth Quarter TLDs Not Collected At Time Of Report

VERMONT YANKEE
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

VERMONT YANKEE-Fourth Quarter TLDs Not Collected At Time Of Report

WASHINGTON NUCLEAR 2
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 830930-840119 112 DAYS
FIELD TIME 93 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Rdm;Tot.			NET EXPOSURE RATE mR/Std.Qtr. +- Rdm;Tot.			
001	174	12.	21.9 +-	.7 ;	3.3	19.2 +-	.8 ;	3.8	
002	163	11.	20.5 +-	.6 ;	3.1	17.9 +-	.8 ;	3.6	
003	161	9.0	MISSING OR DAMAGED DOSIMETER						
004	152	5.0	22.5 +-	.7 ;	3.4	19.9 +-	.8 ;	3.8	
005	195	2.0	22.1 +-	.7 ;	3.3	19.4 +-	.8 ;	3.8	
006	220	1.5	21.0 +-	.6 ;	3.2	18.4 +-	.8 ;	3.7	
007	92	3.0	23.4 +-	.7 ;	3.5	20.7 +-	.8 ;	3.9	
008	155	1.0	21.3 +-	.6 ;	3.2	18.7 +-	.8 ;	3.7	
009	130	0.5	21.7 +-	.6 ;	3.2	19.1 +-	.8 ;	3.7	
010	70	0.5	22.7 +-	.7 ;	3.4	20.0 +-	.8 ;	3.9	
011	25	0.8	21.5 +-	.6 ;	3.2	18.9 +-	.8 ;	3.7	
012	315	0.5	21.9 +-	.7 ;	3.3	19.3 +-	.8 ;	3.8	
013	290	0.5	21.1 +-	.6 ;	3.2	18.5 +-	.8 ;	3.7	
014	270	0.5	21.3 +-	.6 ;	3.2	18.7 +-	.8 ;	3.7	
015	245	1.8	22.1 +-	.7 ;	3.3	19.4 +-	.8 ;	3.8	
016	285	3.0	22.8 +-	.7 ;	3.4	20.1 +-	.8 ;	3.9	
017	240	4.0	25.4 +-	.8 ;	3.8	22.6 +-	.9 ;	4.2	
018	198	7.0	21.6 +-	.6 ;	3.2	19.0 +-	.8 ;	3.7	
019	173	8.5	22.3 +-	.7 ;	3.3	19.7 +-	.8 ;	3.8	
020	150	20.	21.5 +-	.6 ;	3.2	18.9 +-	.8 ;	3.7	
021	114	7.0	23.8 +-	.7 ;	3.6	21.1 +-	.8 ;	4.0	
022	120	8.0	21.3 +-	.6 ;	3.2	18.7 +-	.8 ;	3.7	
023	134	6.0	23.7 +-	.7 ;	3.5	21.0 +-	.8 ;	4.0	
024	110	4.0	25.5 +-	.8 ;	3.8	22.7 +-	.9 ;	4.2	
025	85	5.0	22.5 +-	.7 ;	3.4	19.8 +-	.8 ;	3.8	
026	65	5.0	24.0 +-	.7 ;	3.6	21.3 +-	.8 ;	4.0	
027	53	4.0	21.1 +-	.6 ;	3.2	18.5 +-	.8 ;	3.7	
028	44	8.0	22.7 +-	.7 ;	3.4	20.1 +-	.8 ;	3.9	
029	33	10.	20.4 +-	.6 ;	3.1	17.8 +-	.8 ;	3.6	
030	8	9.5	23.0 +-	.7 ;	3.4	20.3 +-	.8 ;	3.9	
031	215	15.	22.5 +-	.7 ;	3.4	19.8 +-	.8 ;	3.8	
TRANSIT DOSE =	2.0	+- .5 ; 2.1							

WASHINGTON NUCLEAR 2
FOR THE PERIOD 830930-840119

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
348.75-11.25 (N)	20.3 +- 0.0	1
11.25-33.75 (NNE)	18.4 +- .8	2
33.75-56.25 (NE)	19.3 +- 1.1	2
56.25-78.75 (ENE)	20.6 +- .9	2
78.75-101.25 (E)	20.3 +- .7	2
101.25-123.75(ESE)	20.9 +- 2.0	3
123.75-146.25(SE)	20.0 +- 1.4	2
146.25-168.75(SSE)	18.8 +- .8	4
168.75-191.25(S)	19.7 +- 0.0	1
191.25-213.75(SSW)	19.2 +- .3	2
213.75-236.25(SW)	18.4 +- 0.0	1
236.25-258.75(WSW)	21.0 +- 2.3	2
258.75-281.25(W)	18.7 +- 0.0	1
281.25-303.75(WNW)	19.3 +- 1.2	2
303.75-326.25(NW)	19.3 +- 0.0	1
326.25-348.75(NNW)	NO DATA+-NO DATA	0

DISTANCE(mi) FROM THE REACTOR	NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
0-2	19.0 +- .5	10
2-5	20.7 +- 1.5	8
>5	19.5 +- 1.2	10
UPWIND CONTROL DATA	19.5 +- .4	2

WATERFORD
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 831004-840110 99 DAYS
FIELD TIME 71 DAYS

NRC STATION	LOCATION AZIMUTH (deg.)	DIST (mi.)	GROSS EXPOSURE(mR) +- Rdm; Tot.	NET EXPOSURE RATE mR/Std.Qtr. +- Rdm; Tot.
001	101	0.4	17.5 +- .5 ; 2.6	12.5 +- 1.0 ; 4.8
002	116	1.1	19.6 +- .6 ; 2.9	15.2 +- 1.1 ; 5.1
003	132	1.3	21.6 +- .6 ; 3.2	17.7 +- 1.1 ; 5.3
004	160	1.8	18.5 +- .6 ; 2.8	13.8 +- 1.0 ; 4.9
005	183	1.4	18.5 +- .6 ; 2.8	13.8 +- 1.0 ; 4.9
006	202	1.2	18.1 +- .5 ; 2.7	13.2 +- 1.0 ; 4.8
007	226	1.2	15.6 +- .5 ; 2.3	10.1 +- 1.0 ; 4.5
008	248	1.3	17.6 +- .5 ; 2.6	12.7 +- 1.0 ; 4.8
009	265	1.9	MISSING OR DAMAGED DOSIMETER	
010	186	4.2	18.8 +- .6 ; 2.8	14.1 +- 1.1 ; 4.9
011	315	4.4	17.9 +- .5 ; 2.7	13.0 +- 1.0 ; 4.8
012	328	4.1	17.8 +- .5 ; 2.7	12.9 +- 1.0 ; 4.8
013	309	0.8	17.5 +- .5 ; 2.6	12.5 +- 1.0 ; 4.8
014	273	0.9	20.3 +- .6 ; 3.0	16.0 +- 1.1 ; 5.1
015	292	0.8	19.1 +- .6 ; 2.9	14.6 +- 1.1 ; 5.0
016	335	0.5	15.7 +- .5 ; 2.3	10.2 +- 1.0 ; 4.5
017	120	4.3	14.9 +- .4 ; 2.2	9.3 +- 1.0 ; 4.4
018	145	3.5	MISSING OR DAMAGED DOSIMETER	
019	153	8.1	19.8 +- .6 ; 3.0	15.4 +- 1.1 ; 5.1
020	133	8.1	20.4 +- .6 ; 3.1	16.2 +- 1.1 ; 5.2
021	116	6.7	16.3 +- .5 ; 2.4	11.0 +- 1.0 ; 4.6
022	95	4.3	20.6 +- .6 ; 3.1	16.5 +- 1.1 ; 5.2
023	86	2.6	19.9 +- .6 ; 3.0	15.5 +- 1.1 ; 5.1
024	66	4.2	22.2 +- .7 ; 3.3	18.5 +- 1.1 ; 5.4
025	37	3.5	19.1 +- .6 ; 2.9	14.5 +- 1.1 ; 5.0
026	23	3.6	15.4 +- .5 ; 2.3	9.8 +- 1.0 ; 4.5
027	350	4.9	MISSING OR DAMAGED DOSIMETER	
028	335	5.0	18.5 +- .6 ; 2.8	13.8 +- 1.0 ; 4.9
029	6	2.8	MISSING OR DAMAGED DOSIMETER	
030	356	1.1	15.3 +- .5 ; 2.3	9.7 +- 1.0 ; 4.5
031	15	0.8	20.9 +- .6 ; 3.1	16.9 +- 1.1 ; 5.2
032	40	0.8	19.3 +- .6 ; 2.9	14.8 +- 1.1 ; 5.0
033	69	1.1	20.4 +- .6 ; 3.1	16.2 +- 1.1 ; 5.2
034	292	15.	20.3 +- .6 ; 3.0	16.0 +- 1.1 ; 5.1
035	282	27.	23.2 +- .7 ; 3.5	19.7 +- 1.2 ; 5.6
036	268	21.	MISSING OR DAMAGED DOSIMETER	
TRANSIT DOSE =			7.6 +- .6 ; 2.7	

WATERFORD
FOR THE PERIOD 831004-840110

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
348.75-11.25 (N)	9.7 +- 0.0	1
11.25-33.75 (NNE)	13.3 +- 5.0	2
33.75-56.25 (NE)	14.6 +- .2	2
56.25-78.75 (ENE)	17.4 +- 1.6	2
78.75-101.25 (E)	14.8 +- 2.1	3
101.25-123.75(ESE)	11.8 +- 3.1	3
123.75-146.25(SE)	17.0 +- 1.1	2
146.25-168.75(SSE)	14.6 +- 1.1	2
168.75-191.25(S)	14.0 +- .2	2
191.25-213.75(SSW)	13.2 +- 0.0	1
213.75-236.25(SW)	10.1 +- 0.0	1
236.25-258.75(WSW)	12.7 +- 0.0	1
258.75-281.25(W)	16.0 +- 0.0	1
281.25-303.75(WNW)	14.6 +- 0.0	1
303.75-326.25(NW)	12.8 +- .3	2
326.25-348.75(NNW)	12.3 +- 1.9	3

DISTANCE(mi) FROM THE REACTOR	NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
0-2	13.8 +- 2.4	16
2-5	13.8 +- 2.8	10
>5	14.2 +- 2.8	3
UPWIND CONTROL DATA	17.9 +- 2.6	2

WATTS BAR
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 830929-840119 113 DAYS
FIELD TIME 89 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Rdm;Tot.		NET EXPOSURE RATE mR/Std.Qtr. +- Rdm;Tot.	
001	337	0.9	24.7 +- .7	3.7	21.1 +- 1.0	4.6
002	314	2.1	26.1 +- .8	3.9	22.5 +- 1.0	4.7
003	297	1.9	24.4 +- .7	3.7	20.8 +- 1.0	4.5
004	272	2.0	25.1 +- .8	3.8	21.5 +- 1.0	4.6
005	251	1.9	27.3 +- .8	4.1	23.7 +- 1.0	4.9
006	235	1.8	28.5 +- .9	4.3	25.0 +- 1.1	5.1
007	230	3.8	27.2 +- .8	4.1	23.7 +- 1.0	4.9
008	208	3.6	25.9 +- .8	3.9	22.3 +- 1.0	4.7
009	249	4.2	22.4 +- .7	3.4	18.8 +- .9	4.3
010	266	3.1	24.6 +- .7	3.7	21.0 +- 1.0	4.6
011	289	3.3	21.8 +- .7	3.3	18.2 +- .9	4.2
012	310	4.7	22.4 +- .7	3.4	18.7 +- .9	4.3
013	337	3.6	21.0 +- .6	3.2	17.4 +- .9	4.1
014	330	7.0	21.9 +- .7	3.3	18.3 +- .9	4.2
015	350	4.7	26.9 +- .8	4.0	23.3 +- 1.0	4.9
016	7	1.1	26.1 +- .8	3.9	22.5 +- 1.0	4.8
017	23	1.6	20.6 +- .6	3.1	16.9 +- .9	4.1
018	41	2.3	24.0 +- .7	3.6	20.4 +- .9	4.5
019	69	1.3	25.8 +- .8	3.9	22.2 +- 1.0	4.7
020	89	1.2	30.0 +- .9	4.5	26.4 +- 1.1	5.3
021	114	1.1	23.4 +- .7	3.5	19.8 +- .9	4.4
022	141	1.0	28.3 +- .8	4.2	24.7 +- 1.1	5.0
023	163	1.1	29.3 +- .9	4.4	25.8 +- 1.1	5.2
024	187	1.1	23.3 +- .7	3.5	19.7 +- .9	4.4
025	203	1.2	27.3 +- .8	4.1	23.7 +- 1.0	4.9
026	184	5.9	23.0 +- .7	3.5	19.4 +- .9	4.4
027	176	4.5	24.5 +- .7	3.7	20.9 +- 1.0	4.6
028	161	3.5	17.9 +- .5	2.7	14.2 +- .8	3.8
029	144	3.0	25.0 +- .7	3.7	21.4 +- 1.0	4.6
030	117	3.1	22.5 +- .7	3.4	18.8 +- .9	4.3
031	97	4.0	23.4 +- .7	3.5	19.8 +- .9	4.4
032	76	4.1	21.1 +- .6	3.2	17.5 +- .9	4.1
033	32	4.1	24.2 +- .7	3.6	20.6 +- 1.0	4.5
034	36	4.7	20.9 +- .6	3.1	17.3 +- .9	4.1
035	338	18.	17.6 +- .5	2.6	13.9 +- .8	3.7
036	338	18.	25.3 +- .8	3.8	21.7 +- 1.0	4.7
037	338	18.	24.9 +- .7	3.7	21.3 +- 1.0	4.6
TRANSIT DOSE =	3.8	+- .6	; 2.6			

WATTS BAR
FOR THE PERIOD 830929-840119

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
348.75-11.25 (N)	22.9 +- .5	2
11.25-33.75 (NNE)	18.8 +- 2.6	2
33.75-56.25 (NE)	18.8 +- 2.2	2
56.25-78.75 (ENE)	19.8 +- 3.3	2
78.75-101.25 (E)	23.1 +- 4.7	2
101.25-123.75(ESE)	19.3 +- .7	2
123.75-146.25(SE)	23.0 +- 2.4	2
146.25-168.75(SSE)	20.0 +- 8.2	2
168.75-191.25(S)	20.0 +- .8	3
191.25-213.75(SSW)	23.0 +- 1.0	2
213.75-236.25(SW)	24.3 +- .9	2
236.25-258.75(WSW)	21.2 +- 3.5	2
258.75-281.25(W)	21.3 +- .4	2
281.25-303.75(WNW)	19.5 +- 1.8	2
303.75-326.25(NW)	20.6 +- 2.6	2
326.25-348.75(NNW)	18.9 +- 1.9	3

DISTANCE(mi) FROM THE REACTOR	NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
0-2	22.4 +- 2.7	14
2-5	19.8 +- 2.4	18
>5	18.8 +- .8	2
UPWIND CONTROL DATA	19.0 +- 4.4	3

WOLF CR.
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 830919-840119 123 DAYS
FIELD TIME 100 DAYS

NRC STATION	LOCATION AZIMUTH (deg.)	DIST (mi.)	GROSS EXPOSURE(mR) +- Rdm; Tot.			NET EXPOSURE RATE mR/Std.Qtr. +- Rdm; Tot.		
001	316	2.9	27.3	+- .8 ;	4.1	20.8	+- 1.0 ;	4.5
002	330	1.8	22.4	+- .7 ;	3.4	16.4	+- .9 ;	4.0
003	360	2.8	28.3	+- .8 ;	4.2	21.7	+- 1.0 ;	4.6
004	355	1.6	23.5	+- .7 ;	3.5	17.4	+- .9 ;	4.1
005	031	1.8	24.5	+- .7 ;	3.7	18.3	+- .9 ;	4.2
006	047	2	28.7	+- .9 ;	4.3	22.1	+- 1.0 ;	4.7
007	70	1.6	31.9	+- 1.0 ;	4.8	24.9	+- 1.1 ;	5.0
008	90	1.7	30.1	+- .9 ;	4.5	23.4	+- 1.0 ;	4.8
009	111	2.4	28.8	+- .9 ;	4.3	22.2	+- 1.0 ;	4.7
010	137	2.5	32.0	+- 1.0 ;	4.8	25.0	+- 1.1 ;	5.0
011	157	3.4	30.8	+- .9 ;	4.6	24.0	+- 1.0 ;	4.9
012	184	3.3	28.1	+- .8 ;	4.2	21.5	+- 1.0 ;	4.6
013	213	2.9	23.5	+- .7 ;	3.5	17.4	+- .9 ;	4.1
014	233	2.4	29.1	+- .9 ;	4.4	22.4	+- 1.0 ;	4.7
015	248	2.2	29.3	+- .9 ;	4.4	22.6	+- 1.0 ;	4.7
016	278	2.1	24.5	+- .7 ;	3.7	18.3	+- .9 ;	4.2
017	270	3.4	26.1	+- .8 ;	3.9	19.7	+- .9 ;	4.4
018	263	4.2	31.3	+- .9 ;	4.7	24.4	+- 1.0 ;	5.0
020	280	3.9	26.3	+- .8 ;	3.9	19.9	+- .9 ;	4.4
021	298	3.9	30.2	+- .9 ;	4.5	23.4	+- 1.0 ;	4.8
022	319	4.8	27.5	+- .8 ;	4.1	21.0	+- 1.0 ;	4.5
023	332	5	24.2	+- .7 ;	3.6	18.0	+- .9 ;	4.2
024	019	3.9	29.2	+- .9 ;	4.4	22.5	+- 1.0 ;	4.7
025	35	4.4	26.5	+- .8 ;	4.0	20.1	+- .9 ;	4.4
026	67	4.3	28.8	+- .9 ;	4.3	22.2	+- 1.0 ;	4.7
027	88	4.1	30.7	+- .9 ;	4.6	23.9	+- 1.0 ;	4.9
028	110	4.5	29.6	+- .9 ;	4.4	22.9	+- 1.0 ;	4.8
029	128	4.4	30.1	+- .9 ;	4.5	23.4	+- 1.0 ;	4.8
030	112	16.	29.1	+- .9 ;	4.4	22.4	+- 1.0 ;	4.7
031	127	9.4	27.8	+- .8 ;	4.2	21.3	+- 1.0 ;	4.6
032	162	11.	27.3	+- .8 ;	4.1	20.8	+- 1.0 ;	4.5
033	153	5.2	23.1	+- .7 ;	3.5	17.1	+- .9 ;	4.1
034	174	4.7	30.3	+- .9 ;	4.5	23.5	+- 1.0 ;	4.9
035	197	5.2	25.8	+- .8 ;	3.9	19.4	+- .9 ;	4.4
036	224	4.8	26.9	+- .8 ;	4.0	20.5	+- 1.0 ;	4.5
037	220	14.	25.6	+- .8 ;	3.8	19.3	+- .9 ;	4.3
038	253	6.5	24.7	+- .7 ;	3.7	18.5	+- .9 ;	4.2
039	278	10.	26.0	+- .8 ;	3.9	19.7	+- .9 ;	4.4
040	285	15.	27.0	+- .8 ;	4.0	20.5	+- 1.0 ;	4.5
041	292	6.7	29.2	+- .9 ;	4.4	22.5	+- 1.0 ;	4.7
042	345	13.	26.0	+- .8 ;	3.9	19.7	+- .9 ;	4.4
043	005	7.5	29.0	+- .9 ;	4.3	22.3	+- 1.0 ;	4.7
044	020	8.3	28.9	+- .9 ;	4.3	22.3	+- 1.0 ;	4.7
045	315	7.5	28.6	+- .9 ;	4.3	22.9	+- 1.0 ;	4.7
046	341	7.7	29.5	+- .9 ;	4.4	22.8	+- 1.0 ;	4.8
047	355	1	23.5	+- .7 ;	3.5	17.4	+- .9 ;	4.1

TRANSIT DOSE = 4.1 +- .7 ; 2.9

WOLF CR.
FOR THE PERIOD 830919-840119

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
348.75-11.25 (N)	19.7 +- 2.7	4
11.25-33.75 (NNE)	21.0 +- 2.4	3
33.75-56.25 (NE)	21.1 +- 1.4	2
56.25-78.75 (ENE)	23.6 +- 1.9	2
78.75-101.25 (E)	23.6 +- .4	2
101.25-123.75(ESE)	22.5 +- .3	3
123.75-146.25(SE)	23.2 +- 1.9	3
146.25-168.75(SSE)	20.6 +- 3.5	3
168.75-191.25(S)	22.5 +- 1.4	2
191.25-213.75(SSW)	18.4 +- 1.5	2
213.75-236.25(SW)	20.7 +- 1.6	3
236.25-258.75(WSW)	20.6 +- 2.9	2
258.75-281.25(W)	20.4 +- 2.3	5
281.25-303.75(WNW)	22.2 +- 1.5	3
303.75-326.25(NW)	21.3 +- .6	3
326.25-348.75(NNW)	19.2 +- 2.7	4

DISTANCE(mi) FROM THE REACTOR	NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
0-2	20.0 +- 3.4	7
2-5	21.7 +- 2.1	24
>5	20.7 +- 1.7	15
UPWIND CONTROL DATA	NO DATA	NO DATA

YANKEE ROWE
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 831004-840110 99 DAYS
FIELD TIME 86 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Rdm;Tot.	NET EXPOSURE RATE mR/Std.Qtr. +- Rdm;Tot.	
001	0	.8	MISSING OR DAMAGED DOSIMETER		
005	85	2.2	16.5 +- .5 ; 2.5	12.0 +- .7 ;	3.4
006	118	2.6	17.1 +- .5 ; 2.6	12.6 +- .7 ;	3.4
007	137	2.1	18.0 +- .5 ; 2.7	13.5 +- .7 ;	3.6
008	153	1.7	18.3 +- .5 ; 2.7	13.9 +- .8 ;	3.6
009	176	1.1	16.8 +- .5 ; 2.5	12.3 +- .7 ;	3.4
010	203	.5	18.0 +- .5 ; 2.7	13.6 +- .7 ;	3.6
011	219	.6	17.9 +- .5 ; 2.7	13.4 +- .7 ;	3.5
012	239	1.1	21.4 +- .6 ; 3.2	17.1 +- .8 ;	4.0
013	272	1.8	21.3 +- .6 ; 3.2	17.0 +- .8 ;	4.0
014	292	1.3	19.0 +- .6 ; 2.9	14.6 +- .8 ;	3.8
015	315	1.6	19.9 +- .6 ; 3.0	15.6 +- .8 ;	3.8
016	348	1.4	19.7 +- .6 ; 3.0	15.4 +- .8 ;	3.8
017	358	2.8	23.6 +- .7 ; 3.5	19.4 +- .9 ;	4.3
018	21	2.8	16.3 +- .5 ; 2.4	11.8 +- .7 ;	3.4
019	43	5.8	17.8 +- .5 ; 2.7	13.3 +- .7 ;	3.5
020	75	6	20.1 +- .6 ; 3.0	15.7 +- .8 ;	3.8
021	98	6	16.1 +- .5 ; 2.4	11.6 +- .7 ;	3.3
022	104	5.2	15.9 +- .5 ; 2.4	11.4 +- .7 ;	3.3
023	133	5.7	21.2 +- .6 ; 3.2	16.9 +- .8 ;	4.0
024	157	7.5	15.5 +- .5 ; 2.3	10.9 +- .7 ;	3.3
025	184	6.3	MISSING OR DAMAGED DOSIMETER		
027	225	5.9	17.9 +- .5 ; 2.7	13.5 +- .7 ;	3.6
029	269	3.5	18.6 +- .6 ; 2.8	14.2 +- .8 ;	3.6
032	342	3.3	17.7 +- .5 ; 2.6	13.2 +- .7 ;	3.5
034	48	7.3	17.7 +- .5 ; 2.7	13.3 +- .7 ;	3.5
035	39	2.3	16.1 +- .5 ; 2.4	11.6 +- .7 ;	3.3
047	260	9.6	18.1 +- .5 ; 2.7	13.6 +- .7 ;	3.6
048	261	9	19.4 +- .6 ; 2.9	15.0 +- .8 ;	3.7
TRANSIT DOSE =	5.0	+- .5 ; 2.1			

YANKEE ROWE
FOR THE PERIOD 831004-840110

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
348.75-11.25 (N)	19.4 +- 0.0	1
11.25-33.75 (NNE)	11.8 +- 0.0	1
33.75-56.25 (NE)	12.7 +- 1.0	3
56.25-78.75 (ENE)	15.7 +- 0.0	1
78.75-101.25 (E)	11.8 +- .3	2
101.25-123.75(ESE)	12.0 +- .9	2
123.75-146.25(SE)	15.2 +- 2.4	2
146.25-168.75(SSE)	12.4 +- 2.1	2
168.75-191.25(S)	12.3 +- 0.0	1
191.25-213.75(SSW)	13.6 +- 0.0	1
213.75-236.25(SW)	13.4 +- .0	2
236.25-258.75(WSW)	17.1 +- 0.0	1
258.75-281.25(W)	15.6 +- 2.0	2
281.25-303.75(WNW)	14.6 +- 0.0	1
303.75-326.25(NW)	15.6 +- 0.0	1
326.25-348.75(NNW)	14.3 +- 1.5	2

DISTANCE(mi) FROM THE REACTOR	NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
0-2	14.8 +- 1.6	9
2-5	13.5 +- 2.5	8
>5	13.3 +- 2.1	8
UPWIND CONTROL DATA	14.3 +- 1.0	2

ZIMMER
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 830926-840210 138 DAYS
FIELD TIME 88 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Rdm;Tot.		NET EXPOSURE RATE mR/Std.Qtr. +- Rdm;Tot.		
001	182	0.4	30.0 +- .9	4.5	23.4 +- 1.2		5.5
002	150	1.0	30.2 +- .9	4.5	23.6 +- 1.2		5.6
003	133	1.1	30.5 +- .9	4.6	23.9 +- 1.2		5.6
004	106	2.1	32.7 +- 1.0	4.9	26.1 +- 1.2		5.9
005	82	2.9	29.6 +- .9	4.4	23.0 +- 1.1		5.5
006	091	4.4	27.2 +- .8	4.1	20.5 +- 1.1		5.2
007	106	7.3	27.3 +- .8	4.1	20.6 +- 1.1		5.2
008	135	6.6	25.2 +- .8	3.8	18.5 +- 1.0		4.9
009	163	4.2	32.6 +- 1.0	4.9	26.0 +- 1.2		5.9
010	129	3.9	28.4 +- .9	4.3	21.8 +- 1.1		5.3
011	115	4.6	28.0 +- .8	4.2	21.4 +- 1.1		5.3
012	74	3.9	25.1 +- .8	3.8	18.4 +- 1.0		4.9
013	50	3.6	29.8 +- .9	4.5	23.2 +- 1.1		5.5
014	22	4.1	22.1 +- .7	3.3	15.3 +- 1.0		4.6
015	354	3.7	23.5 +- .7	3.5	16.7 +- 1.0		4.7
016	359	2.1	MISSING OR DAMAGED DOSIMETER				
017	26	2.0	MISSING OR DAMAGED DOSIMETER				
018	47	1.6	22.9 +- .7	3.4	16.2 +- 1.0		4.7
019	72	0.8	21.9 +- .7	3.3	15.1 +- 1.0		4.6
020	335	7.3	22.8 +- .7	3.4	16.0 +- 1.0		4.7
021	332	4.0	25.3 +- .8	3.8	18.6 +- 1.0		5.0
022	335	1.8	30.8 +- .9	4.6	24.2 +- 1.2		5.6
023	310	2.1	29.3 +- .9	4.4	22.7 +- 1.1		5.5
024	286	1.9	30.9 +- .9	4.6	24.3 +- 1.2		5.7
025	276	1.4	29.5 +- .9	4.4	22.9 +- 1.1		5.5
026	247	0.9	33.1 +- 1.0	5.0	26.5 +- 1.2		5.9
027	218	1.1	22.3 +- .7	3.3	15.5 +- 1.0		4.6
028	200	1.9	23.5 +- .7	3.5	16.7 +- 1.0		4.7
029	191	4.5	29.6 +- .9	4.4	23.0 +- 1.1		5.5
030	212	4.4	31.3 +- .9	4.7	24.8 +- 1.2		5.7
031	229	4.1	30.2 +- .9	4.5	23.6 +- 1.2		5.6
032	248	3.5	30.8 +- .9	4.6	24.2 +- 1.2		5.6
033	270	3.7	30.7 +- .9	4.6	24.1 +- 1.2		5.6
034	292	4.5	30.9 +- .9	4.6	24.3 +- 1.2		5.7
035	317	4.6	29.6 +- .9	4.4	23.0 +- 1.1		5.5
036	106	19.	28.0 +- .8	4.2	21.3 +- 1.1		5.3
037	107	20.	31.4 +- .9	4.7	24.8 +- 1.2		5.7
038	107	20.	31.3 +- .9	4.7	24.8 +- 1.2		5.7
TRANSIT DOSE =	7.1 +- .7	3.0					

ZIMMER
FOR THE PERIOD 830926-840210

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
348.75-11.25 (N)	16.7 +- 0.0	1
11.25-33.75 (NNE)	15.3 +- 0.0	1
33.75-56.25 (NE)	19.7 +- 5.0	2
56.25-78.75 (ENE)	16.8 +- 2.3	2
78.75-101.25 (E)	21.8 +- 1.8	2
101.25-123.75(ESE)	22.7 +- 3.0	3
123.75-146.25(SE)	21.4 +- 2.8	3
146.25-168.75(SSE)	24.8 +- 1.7	2
168.75-191.25(S)	23.2 +- .3	2
191.25-213.75(SSW)	20.7 +- 5.7	2
213.75-236.25(SW)	19.5 +- 5.7	2
236.25-258.75(WSW)	25.4 +- 1.7	2
258.75-281.25(W)	23.5 +- .9	2
281.25-303.75(WNW)	24.3 +- 0.0	2
303.75-326.25(NW)	22.9 +- .2	2
326.25-348.75(NNW)	19.6 +- 4.2	3

DISTANCE(mi) FROM THE REACTOR	NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
0-2	21.1 +- 4.3	11
2-5	22.1 +- 3.0	19
>5	18.4 +- 2.3	3
UPWIND CONTROL DATA	23.8 +- 2.0	3

ZION
TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
FOR THE PERIOD 830919-840110 114 DAYS
FIELD TIME 96 DAYS

NRC STATION	LOCATION AZIMUTH/DIST (deg.)	(mi.)	GROSS EXPOSURE(mR) +- Rdm;Tot.	NET EXPOSURE RATE mR/Std.Qtr. +- Rdm;Tot.
001	287	1.0	17.5 +- .5 ; 2.6	14.5 +- .7 ; 3.5
002	192	1.0	21.1 +- .6 ; 3.2	17.9 +- .8 ; 3.8
003	187	1.5	16.1 +- .5 ; 2.4	13.2 +- .7 ; 3.3
004	227	2.4	25.0 +- .8 ; 3.8	21.6 +- .9 ; 4.3
005	257	1.8	26.3 +- .8 ; 3.9	22.8 +- .9 ; 4.4
006	264	1.2	MISSING OR DAMAGED DOSIMETER	
007	287	1.6	24.5 +- .7 ; 3.7	21.1 +- .9 ; 4.2
008	320	1.8	21.6 +- .6 ; 3.2	18.4 +- .8 ; 3.9
009	343	2.6	23.7 +- .7 ; 3.5	20.3 +- .9 ; 4.1
010	356	4.5	22.4 +- .7 ; 3.4	19.1 +- .8 ; 4.0
011	337	4.5	25.2 +- .8 ; 3.8	21.8 +- .9 ; 4.3
012	310	4.0	26.4 +- .8 ; 4.0	22.9 +- .9 ; 4.4
013	293	3.5	MISSING OR DAMAGED DOSIMETER	
014	280	4.5	26.9 +- .8 ; 4.0	23.4 +- .9 ; 4.5
015	239	3.2	26.5 +- .8 ; 4.0	23.0 +- .9 ; 4.5
016	227	3.5	24.3 +- .7 ; 3.6	20.9 +- .9 ; 4.2
017	210	4.5	20.4 +- .6 ; 3.1	17.3 +- .8 ; 3.8
018	206	2.8	22.8 +- .7 ; 3.4	19.5 +- .8 ; 4.0
019	342	2.7	22.1 +- .7 ; 3.3	18.8 +- .8 ; 3.9
020	197	14.	26.3 +- .8 ; 3.9	22.8 +- .9 ; 4.4
021	352	7.9	23.0 +- .7 ; 3.4	19.7 +- .9 ; 4.0
022	348	8.3	23.5 +- .7 ; 3.5	20.2 +- .9 ; 4.1
023	336	8.5	22.3 +- .7 ; 3.3	19.0 +- .8 ; 4.0
024	314	5.8	MISSING OR DAMAGED DOSIMETER	
025	220	6.3	24.1 +- .7 ; 3.6	20.8 +- .9 ; 4.2
026	195	8.0	22.9 +- .7 ; 3.4	19.6 +- .9 ; 4.0
028	197	14.	26.8 +- .8 ; 4.0	23.3 +- .9 ; 4.5
030	320	9.8	22.1 +- .7 ; 3.3	18.8 +- .8 ; 3.9
031	229	8.0	24.2 +- .7 ; 3.6	20.8 +- .9 ; 4.2
TRANSIT DOSE =			1.9 +- .6 ; 2.6	

ZION
FOR THE PERIOD 830919-840110

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	NET AVER. EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
348.75-11.25 (N)	19.4 +- .4	2
11.25-33.75 (NNE)	NO DATA+-NO DATA	0
33.75-56.25 (NE)	NO DATA+-NO DATA	0
56.25-78.75 (ENE)	NO DATA+-NO DATA	0
78.75-101.25 (E)	NO DATA+-NO DATA	0
101.25-123.75(ESE)	NO DATA+-NO DATA	0
123.75-146.25(SE)	NO DATA+-NO DATA	0
146.25-168.75(SSE)	NO DATA+-NO DATA	0
168.75-191.25(S)	13.2 +- 0.0	1
191.25-213.75(SSW)	18.6 +- 1.2	4
213.75-236.25(SW)	21.0 +- .4	4
236.25-258.75(WSW)	22.9 +- .1	2
258.75-281.25(W)	23.4 +- 0.0	1
281.25-303.75(WNW)	17.8 +- 4.7	2
303.75-326.25(NW)	20.0 +- 2.5	3
326.25-348.75(NNW)	20.0 +- 1.2	5

DISTANCE(mi) FROM THE REACTOR	NET AVER.EXPOSURE RATE (mR/Std.Qtr.) +-Std.Dev.	# IN GROUP
0-2	18.0 +- 3.7	6
2-5	20.8 +- 2.0	11
>5	19.9 +- .8	7
UPWIND CONTROL DATA	23.0 +- .3	2

APPENDIX B

LIST OF TLD STATION LOCATIONS FOR EACH SITE MONITORED

ARKANSAS

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING LOCATIONS

STATION	DIST(mi.)	DIR	DESCRIPTION
1	.4	4	S. OF HERSHEL BENNETT HOME
2	4.1	353	E. PT. CHURCH
3	1.3	32	N. OF U.S. 64
4	3.3	13	N. OF FARM RD.
5	1.5	53	U.S. 64 & FARM RD.
6	3.6	37	MAP COORDINATE 522
7	2.5	78	MISSION CEMETERY
8	3.2	60	COORDINATE 477
9	.5	92	METEOR. TOWER
10	5.5	83	COORDINATE 356
11	2.1	122	COORDINATE 354
12	6.8	109	AP&L (RUSSELLVILLE)
13	2.6	138	COORDINATE 372
14	4.9	130	SKYLINE DR.
16	4.4	167	HWY. 22 & LITTLE HAYES CR
17	.4	171	MAY CEMETERY
18	3.2	189	HWY. 22
19	2.9	205	HWY. 22
20	5.8	195	SUNSET PT.
21	.5	235	AP&L LODGE
22	3.6	230	HWY. 22
23	2.8	257	PLEDGER CEMETERY
24	4.5	243	DELAWARE
25	1.2	279	SHALE PT.
26	4.3	263	RD. TO RIVER MTN.
27	.4	298	SWAN CEMETERY
28	5.8	293	PINEY
29	1.9	326	LONDON
30	4.8	308	COORDINATE 621
31	1.3	345	HWY. 64
32	4.2	335	MARTIN CHAPEL
33	.8	110	HOME OF D. H. DOUGLAS
39	6.0	112	RUSSELLVILLE HIGH SCHOOL
40	8.0	147	DARDANELL HIGH SCHOOL
41	17.0	106	ATKINS
42	17.0	310	CLARKSVILLE
43	5.2	0	POLYTECHNIC COLLEGE
44	9.1	0	LAMAR ELEMENTARY SCHOOL
45	8.9	0	DOVER HIGH SCHOOL
46	8.3	0	RUSSELLVILLE AIRPORT

BEAVER VALLEY

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING LOCATIONS

STATION	DIST(mi.)	DIR	DESCRIPTION
2	13.0	6	DARLINGTON
4	12.0	31	BEAVER FALLS
5	8.4	55	BEAVER
6	9.5	60	MONACA
7	8.0	97	ALIQUIPPA
8	4.3	110	GREEN GARDEN ROAD
9	2.2	110	ROUTE 18
10	2.4	91	ROUTE 18
11	3.7	77	ROUTE 18
12	4.2	153	ROUTE 18
13	4.4	170	ROUTE 151
14	4.4	190	ROUTE 30
15	3.5	208	ROUTE 30
16	5.6	264	ROUTE 30
17	6.3	270	CHESTER, WEST VIRGINIA
18	2.4	232	HOOKSTOWN
19	2.3	267	HILL ROAD
20	3.4	294	GEORGETOWN
21	1.4	286	RIVER OPPOSITE MIDLAND
22	1.3	220	ROUTE 168 (FARM)
23	2.3	255	HILL ROAD
24	2.1	209	MC CLEARY ROAD
25	2.1	186	MC CLEARY ROAD
26	2.2	190	MC CLEARY ROAD
27	2.0	125	MC CLEARY ROAD
28	1.6	87	GREEN GARDEN ROAD
29	1.5	59	GREEN GARDEN ROAD
30	1.2	50	SHIPPINGPORT
31	1.2	320	MIDLAND
32	3.5	325	ROUTE 168
33	2.5	341	EASTWOOD DRIVE
34	5.2	343	FAIRVIEW
35	3.6	9	ENGLE ROAD
36	3.3	14	ENGLE ROAD
37	3.0	37	OHIOVIEW
38	1.8	22	INDUSTRY
39	1.6	351	NORTH OF MIDLAND
40	15.0	344	EAST PALESTINE,OHIO
41	15.0	344	EAST PALESTINE,OHIO

BIG ROCK

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING LOCATIONS

STATION	DIST(mi.)	DIR	DESCRIPTION
1	4.9	208	MICHIGAN 66
2	3.6	220	PETOSKY (US 31) & PROSPECT
3	2.4	204	COUNTY RD. 56
4	3.3	176	QUARTER LINE RD.
5	4.6	161	COUNTY RD. 56
6	4.7	133	QUARTER LINE RD. & MAPLE GROVE RD.
7	3.7	116	STOLT RD. & MAPLE GROVE RD.
8	4.7	111	STOLT RD. & MURRAY RD.
9	4.5	98	MURRAY RD & BAY SHORE RD.
10	12.0	88	PETOSKY (MI)
11	16.0	83	BAYVIEW (MI)
12	16.0	83	BAYVIEW (MI)
13	16.0	83	BAYVIEW (MI)
14	3.4	77	US 31
15	1.8	96	BURGESS RD.
16	2.0	118	OLD 31 RD.
17	2.0	134	OLD 31 RD.
18	1.9	222	PA-BA-SHAN LANE
19	1.4	194	NEAR US 31
20	1.5	179	US 31 (NEAR CHARLOVOIX ROD & GUN CLUB)
21	1.1	153	US 31

BRAIDWOOD

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING LOCATIONS

STATION	DIST(mi.)	DIR	DESCRIPTION
1	.8	351	IL-53 9TH POLE SW OF DIV.
2	1.3	19	N. OF RR/DIV. & IL-129
3	2.0	45	IL-113/.5 MI E. OF IL-53
4	2.1	66	ESSEX/.5 MI S. OF IL-113
5	1.8	87	ESSEX & SMILEY RDS
6	2.0	114	ESSEX NR BRAIDWOOD TRAIN. CTR.
7	2.7	133	ESSEX & COOPER/TANNER BERRIES
8	2.8	151	COUNTY LINE/.5 MI W. OF ESSEX
9	3.9	178	W500N(PONDEROSA CLUB SIGN)
10	2.8	197	KANKAKEE & DONDANVILLE RDS
11	1.4	222	KANKAKEE NR HOUSE ON HILL
12	1.1	252	KANKAKEE NR GODLEY VILLAGE HALL
13	1.0	261	KANKAKEE N. OF RR TRACKS
14	1.2	278	KANKAKEE UNDER TRANS. LINES
15	1.3	310	KANKAKEE & IS-55 FRONTAGE
16	1.6	335	KENNEDY & ENGLISH STS.
17	1.5	359	BRAIDWOOD ELEM. SCH.
18	3.5	18	COAL CITY & CEMETARY RDS
19	6.3	42	WILMINGTON WATER TOWER
20	5.7	69	IL-102 & HINTZE
21	6.8	86	IL-102 OF RITCHIE
22	10.0	100	KANKAKEE ST PARK ENTRANCE
23	4.9	45	RIVER & JOHNSON RDS.
24	4.2	70	RIVER & IL-113
25	4.1	86	ZILM RD(1 MI S. OF IL-113)
26	4.4	113	ZILM RD/3750S & 2240W
27	6.4	142	W1400N & N400W
28	6.1	161	W1600N & N300W
29	6.1	180	POLE AFTER BRIDGE IN MINES
30	5.8	191	W1900N & N300W
31	5.8	230	STORM RD & IL-53
32	5.3	266	CARBON HILL & BRACEVILLE RDS
33	4.1	289	CARBON HILL & REED RDS
34	4.3	315	COAL CITY WATER TOWER
35	4.5	333	5TH IN EILEEN BETW RR TRACKS
36	5.9	0	CECO & COOPER RDS
37	5.3	21	IL-129 S. OF IS-55
38	10.0	190	OFF IL-17 ENTRY TO REDDICK
39	13.0	224	IL-47 & IL-17 (DWIGHT
40	13.0	224	IL-47 & IL-17 (DWIGHT)

BROWNS FERRY

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING LOCATIONS

STATION	DIST(mi.)	DIR	DESCRIPTION
1	9.0	130	DECATUR
2	5.5	133	FINLEY IS. RD.
3	4.3	153	LEWIS LANE
4	5.8	210	TENN. VALLEY JR. HIGH SCHOOL
5	6.0	220	HILLSBORO
6	4.5	245	DAVID TEMPLE CH.
7	1.9	269	PORTER CEMETERY
8	11.0	257	COURTLAND HOSPITAL
9	7.0	295	SPRING CR. & LOCK RD.
10	4.5	292	MALLARD CR. RD.
11	1.9	269	LAKEVIEW CABINS
12	2.6	240	DAVIS FARM
13	1.7	220	BROWNS FERRY RD.
14	17.0	268	TOWN CREEK
15	3.0	201	BAKER BOTTOM RD.
16	3.0	181	STATE PIC STATION
17	9.5	50	ATHENS RD. & RT. 72
18	3.5	51	ATHENS RD. & COW FORD RD.
19	3.2	62	OAK GROVE CHURCH
20	2.8	86	COW FORD RD.
21	3.1	111	END OF COW FORD RD.
22	1.1	64	COX CEMETERY
23	26.0	90	HUNTSVILLE
24	.8	111	BFNP METEOROLOGICAL TOWER
25	2.2	46	LAWNGATE
26	1.7	26	INTERSECTION ON LAWNGATE RD.
27	1.7	333	POPULAR PT.
28	1.0	335	PARADISE SHORES
29	3.8	27	SEVEN MILE POST RD. & RT. 24
30	4.0	0	RIPLEY CITY HALL
31	5.3	340	SNAKE RD.
32	12.0	312	ROLAND EZELL RESIDENCE
33	1.5	0	SHAW RD. & LAWNGATE RD.
34	7.0	52	TURNER CHAPEL SCHOOL
35	5.4	95	BEULAH BAY RD.
36	5.6	68	MOORESVILLE RD.
37	7.8	149	TVA SUBSTATION
38	7.0	164	TRINITY TOWN HALL

BRUNSWICK

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING LOCATIONS

STATION	DIST(mi.)	DIR	DESCRIPTION
1	2.2	260	BEMC SUBSTATION RT. 133
2	3.4	245	HWY. 133 & RD. 1101
3	3.8	231	STANDARD PRODUCTS
4	4.9	210	CASWELL BEACH
5	4.3	186	FORT CASWELL DOCK
6	4.5	270	S. BRUNSWICK CO. LANDFILL
7	4.4	272	BRUNSWICK CO. LAND ON RT. 211
8	1.3	73	HWY. 1528 (INTAKE CANAL)
9	1.0	97	HWY. 1528 (S. OF CANAL)
10	1.5	120	RD. 1534
11	.9	131	HWY. 1528 & RD. 1534
12	1.1	156	SUBSTATION (RT. 1528)
13	1.1	180	HWY. 1527
14	2.4	194	E. LEONARD & N. ATLANTIC ST.
15	2.0	201	E. 11TH ST.
16	1.2	218	HWY. 87 (N. OF HWY. 211)
17	1.1	252	HWY. 87 & BSEP ACCESS RD.
18	1.2	272	HWY. 87 (0.5 N. ACCESS RD.)
19	1.1	19	RD. 1525 (2.0 E. OF HWY. 87)
20	1.1	2	RD. 1525 (1.6 E. OF HWY. 87)
21	1.3	288	HWY. 87 (0.3 N. OF RD. 1525)
22	1.5	307	HWY. 87 (0.7 N. OF RD. 1525)
23	2.0	338	SUNNY PT. ACCESS RD.
24	4.9	325	BOILING SPRINGS LAKES
25	3.8	338	HWY. 133 & ORTON CR.
26	5.2	356	HWY. 133 (2 MILES N. OF ORTON CR.)
27	6.4	30	SUNNY PT. (N. GATE)
28	9.0	43	HWY. 421 (SNOW CUT)
29	8.5	50	RT. 421 & LUMBERTON ST.
30	7.2	59	RT. 421 & OCEAN VIEW DR.
31	6.5	65	KURE BEACH WATER TOWER
32	5.8	74	FORT FISHER AFB
33	4.1	88	FEDERAL PT. FERRY LANDING
34	17.0	12	SHIPYARD BLVD.& WORTH DR.
35	18.0	16	SHIPYARD BLVD. & NEWKIRK AVE.
36	15.0	284	SUPPLY (NC RT. 211 & RD. 1115)
37	15.0	284	SUPPLY (NC RT. 211 & RT. 17)
38	15.0	285	SUPPLY (NC RT. 17 & RD. 1115)
39	4.6	287	COUNTY WATER PLANT
40	.7	271	0.5 MILES E. OF HWY. 87

BYRON

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING LOCATIONS

STATION	DIST(mi.)	DIR	DESCRIPTION
1	1.1	10	CLOSEST FARM
2	1.0	23	N. GERMAN CHURCH RD.
3	1.6	46	N. GERMAN CHURCH RD.
4	1.6	68	N. BLACK WALNUT RD.
5	1.4	86	N. BLACK WALNUT RD.
6	1.3	112	N. BLACK WALNUT RD.
7	1.4	133	E. HOLCOMB RD.
8	2.2	175	N. GERMAN CHURCH RD.
9	.6	156	E. PLEASANT GROVE RD.
10	.5	183	E. PLEASANT GROVE RD.
11	.6	210	E. PLEASANT GROVE RD.
12	.9	236	N.RAZORVILLE RD.
13	.8	247	N. RAZORVILLE RD.
14	.7	262	N. RAZORVILLE RD.
15	.8	298	N. RAZORVILLE RD.
16	1.0	326	N. RAZORVILLE RD.
17	1.6	333	N. RAZORVILLE RD.
18	4.0	23	BYRON WATER TOWER
19	4.1	17	COLFAX ST NR SCH
20	4.3	5	E. MILL RD.
21	4.2	340	CONGER RD/RT IL 72
22	4.9	322	IL 72/N STONE SCH RD
23	6.9	304	IL 72 IN LEAF RIVER
24	4.8	270	W MIDOWN/N SILVER CK
25	4.6	244	N LIMEKILN RD
26	4.8	224	IL 64 E OF OREGON
27	5.2	213	4TH/ADAMS
28	14.0	209	IL 2/BROADWAY GR DET
29	13.0	215	S RIDGE RD/W HOUSE RD
30	13.0	215	S RIDGE RD/W HOUSE RD
31	4.6	204	IL 64/DAYSVILLE RD
32	4.4	178	IL 64/N GER CH RD
33	3.9	155	E BRICK RD
34	4.6	138	E BRICK RD/S CHANA RD
35	4.4	118	N. STILLMAN RD
36	3.8	81	E WELD PARK RD/N COX RD
37	5.5	70	IL 72/N STILLMAN RD
38	4.0	45	IL 72/E KISHWAUKEE RD
39	6.8	40	MCCORMICK CAMP
40	15.0	45	IL 51 S OF US 20
41	3.0	320	N RIVER RD/E HALF MI RD

CALLAWAY

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING LOCATIONS

STATION	DIST(mi.)	DIR	DESCRIPTION
1	2.1	247	HWY CC ON PN 18769
2	1.4	259	HWY CC ON PN 18747
3	1.3	282	HWY AD ON PN 185580
4	1.3	304	HWY CC ON PN 18450
5	1.7	330	HWY CC AND O - PN 28613
6	1.7	1	RT O AND DD - PN 28139
7	2.0	23	RT O - UNION CITY ST. - PN 31094
8	.7	77	RT DD - PN 28151
9	1.4	85	RT DD - GRAVEL RD - PN 30956
10	1.5	98	RT DD - FARM HOUSE
11	2.0	121	RT DD - PN 2 N 310
12	2.0	140	RT DD - PN 06871
13	2.5	158	RT DD - PN 06851
14	3.7	183	RT DD & HWY 94 - PN 06754
15	1.7	188	RT 336(MICRO TWR)PN-18716
16	.7	202	RT 336(HEAVY HAUL RD) NO #
17	.7	237	RT 336-NO PN-NEAR PARK LOT
18	11.0	312	NE OF FULTON ON Z-PN21544
19	10.0	292	RT C-S. OF FULTON- NO PN
20	9.0	268	RT C - PN 53655
21	8.0	247	RT C - RANCH HOUSE PN 5/40
22	8.0	225	RT C-S CALLOWAY RII SCH PN5/25K
23	8.0	220	RT C-RIVERVIEW NURS HM PN 5V/1
24	5.5	205	RT C - SKIP 7 DEBS STORE(POST)
25	4.0	157	HWY 94-NEAR GRAY BARN PN 12182
26	5.0	134	PORTLAND-NEAR CH BELL PN 125/11
27	4.2	115	HWY 94 & RT D - PN 11935
28	3.5	95	RT D - PN 13000
29	3.4	67	RT D - PN 12955
30	4.5	48	RT D (PAST RT K) PN 12818
31	6.5	14	YUCATAN BAPTIST CH. PN 12670
32	5.1	2	BEFORE MOHEGAN RD. PN 19139
33	3.6	335	RT CC - POLE(L. SIDE OF RD)
34	4.3	288	RT O - PN 18145
35	5.2	310	GRAVEL RD. - PN 17516
36	3.2	264	RT AD - BRIDGE POST(RT. SIDE)
37	3.0	237	RT CC - POLE AT X SEC WITH SIDE RD.
38	15.0	270	NEW BLOOMFIELD - BEHIND STORE
39	15.0	270	NEW BLOOMFIELD - BEHIND STORE
40	20.0	203	HOLTS SUMMIT-BY CHIROPRACTIC CLINIC

CALVERT CLIFFS

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING LOCATIONS

STATION	DIST(mi.)	DIR	DESCRIPTION
1	1.5	275	ROUTE 2, GIOVANNI'S
3	1.7	284	ROUTE 2
4	2.4	323	LONG BEACH
5	3.1	297	ROUTE 2 AND PARRAN ROAD
6	4.7	324	ROUTE 2,CLIFFS MOTEL
7	5.5	324	GOVERNOR RUN
8	6.1	256	BROOMES ISLAND
9	4.1	273	ROUTE 265(BOWEN ROAD)
10	3.7	253	WALLVILLE
11	4.0	230	ST. LEONARD CREEK
12	1.3	243	ROUTE 2
13	1.5	222	ROUTE 2(JOHNS CREEK)
14	1.8	208	LUSBY
15	2.4	176	ROUTE 2, MIDDLEHAM CHAPEL
16	1.5	160	CAMP CANOY
19	3.8	159	ROUTE 497&LITTLE COVE POINT ROAD
20	4.7	139	COVE POINT
21	4.0	201	MILL BRIDGE ROAD & TURNER ROAD
22	4.7	187	APPEAL
23	8.7	201	S.PAXTUENT BEACH RD.
24	7.8	190	SOLOMONS ISLAND
25	6.7	325	SCIENTIST CLIFFS
26	10.0	314	PRINCE FREDERICK
27	10.0	314	PRINCE FREDERICK
28	10.0	315	PRINCE FREDERICK
29	11.0	186	LEXINGTON PARK

CATAWBA

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING LOCATIONS

STATION	DIST(mi.)	DIR	DESCRIPTION
1	.1	134	CATAWBA OVERLOOK CENTER
2	.4	162	DISCHARGE CANAL
3	.8	132	CONCORD RD.
4	1.3	111	ENT. COMMODORE YACHT CLUB
5	.7	45	BLUEBIRD LN.
6	1.3	298	DUKE POWER SUBSTATION
7	.6	4	DPC ENVIRON. MONITOR. STATION
8	1.5	332	HV POWER LINES
9	1.6	318	JCT HWY 274 & LIBERTY HILL RD.
10	1.8	176	S. OF MARTHA'S VINEYARD RD.
11	1.5	203	ALLISON CR. RD.(W. OF BARDALE RD.)
12	1.5	225	ALLISON CR. RD.(W. OF GRANVILLA RD)
13	1.9	250	ALLISON CR. PRESBYTERIAN CHURCH
14	1.4	270	ALLISON CREEK LANDING
15	3.0	331	BETHEL BAPTIST CHURCH
16	3.9	311	BETHEL SCHOOL
17	9.5	296	CLOVER POST OFFICE
18	4.8	324	CHANDLER RD OFF BETHEL SCH. RD
19	4.8	352	BETHEL LUMBER CO.
20	4.0	22	HUNGRY FISHERMAN RESTAURANT
21	3.9	290	INTERSEC. C.R. 114 & 152
22	4.0	266	INTERSEC. HWY 49 & C.R. 54
23	4.0	251	INTERSEC. HWYS 54 & 80
24	3.9	229	HV POWER LINE (HWY 54)
25	4.4	202	CARTER LUMBER CO.
26	4.3	51	HV POWER LINE(HWY 49 &PLEASANT HILL RD)
27	7.9	64	CAROWINDS AMUSEMENT PARK
28	4.9	61	INTERSEC. HAMILITON & STEELE CR. RDS
29	1.9	49	INTERSEC. SNUG HARBOR & KALABASH RDS
30	1.8	64	S. ON SNUG HARBOR RD
31	1.6	87	JUNC. BANKHEAD RD & WILBANKS RD
32	2.6	121	TEGA CAY(DPC SUBSTATION)
33	7.6	114	C&S SUPERETTE (FT. MILL)
34	4.5	93	FT. MILL TELEPHONE CO.
35	4.3	132	US WILDLIFE RESOURSES STATION
36	8.9	163	VILLAGE GAS PUMPS (C.R. 274)
37	4.9	173	BRYANT AIRPORT
38	4.6	157	JCT TWIN LAKES RD & HOMESTEAD RD
39	10.0	248	YORK COUNTY HEALTH CENTER
40	12.0	229	PHILADELPHIA UNITED CHURCH
41	13.0	218	JCT. HWY 321 & DAVES RD
42	16.0	213	FIRE DEPT & POST OFF.(McCONNELLS,SC)

CLINTON

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING LOCATIONS

STATION	DIST(mi.)	DIR	DESCRIPTION
1	.6	352	ALONG IL. 54
2	.7	7	ON IL. POWER CO. RD.
3	.8	26	ON I.P.C. RD.(NE)
4	.5	165	ON I.P.C. RD.(S)
5	.5	187	ON I.P.C. RD.(S)
6	.6	223	ON I.P.C. RD.(S)
7	.8	238	ON I.P.C. RD.(S)
8	1.9	62	IL. 54 & COUNTY 10 INTERSECTION
9	1.8	78	ON CTY. 10(NEXT INTER.)
10	2.6	79	DEWITT(T-INTER.)
11	2.3	104	MASCOUTINE ST. PK.
12	3.0	115	ON COUNTY 14
13	3.2	127	CTY. 14 & CTY. 5(INTER.)
14	2.1	160	ON CTY. 5(CLINTON LK. MARINA SIGN)
15	3.0	180	ON IL. 10(DAY CAMP SIGN)
16	3.2	203	IL. 10 & CTY. 12(INTER.)
17	3.7	235	W. ACCESS RD.(TRANS. LINE)
18	2.8	255	W. ACCESS RD.(INTER)
19	2.3	275	W. ACCESS RD.(NEAR IL. 54)
20	.9	302	ON IL. 54(R.R. XING)
21	.8	305	ON IL. 54(VISITOR CNTR.)
22	.6	332	ON IL. 54
23	4.6	358	INTER. E. OF CTY. 16
24	3.9	20	ON CTY. 10
25	5.0	46	ON CTY. 10
26	5.5	62	IL. 54 & IL. 48(INTER.)
27	4.8	90	ON IL. 48
28	5.2	115	ON IL. 48
29	5.1	128	ON IL. 10(NEAR WELDON)
30	5.8	153	CTY. 14 & CTY. 15(INTER.)
31	5.2	173	CTY. 15 & CTY. 5(INTER.)
32	4.7	205	ON CTY. 15
33	5.4	236	ON CTY. 18(WELDON SPRINGS PK.)
34	5.8	252	ON CTY. 1
35	6.6	263	CLINTON-EISNER AGENCY STORE(SUBST)
36	4.8	272	ON CTY. 1
37	4.8	288	ON CTY 1
38	7.6	297	WAPELLA WATER TOWER
39	5.1	315	ON CTY. 10
40	4.8	342	ON CTY. 16
41	10.0	65	FARMER CITY STATE BANK
42	13.0	148	ARGENTA MUNIC. BLDG.
43	13.0	148	ARGENTA MUNIC. BLDG.
44	15.0	206	EMERY(R.R. XING)

COMANCHE PK.

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING LOCATIONS

STATION	DIST(mi.)	DIR	DESCRIPTION
1	1.4	306	SITE OF TEXAS TLD#1
2	1.5	285	SITE OF TEXAS TLD#2
3	1.1	268	SITE OF TEXAS TLD#3
4	.9	253	SITE OF TEXAS TLD#4
6	1.0	200	SITE OF TEXAS TLD#6
7	1.4	180	ST OF TEX#7
8	1.6	163	SITE OF TEXAS TLD#8
9	1.3	140	SITE OF TEXAS TLD#9
10	1.5	118	SITE OF TEXAS TLD#10
11	1.9	93	SITE OF TEXAS TLD#11
12	2.4	73	SITE OF TEXAS TLD#12
13	1.7	245	FM201-0.6 MI S. OF GATE
14	4.3	156	HWY 67 AT 201
15	7.0	186	HWY 67-WARD RANCH(CEMETARY)
16	4.1	183	HWY 67 AT 205
17	4.3	205	DINOSAUR ST. PARK
18	3.4	225	UTILITY POLE(OFF HWY 201)
19	5.2	245	RUNNING M RANCH
20	5.8	264	SIREN POLE #19
21	3.2	258	SIREN POLE #7
22	5.1	284	SIREN POLE #18
23	5.8	313	HWY 206 & 51
24	4.9	332	HWY 212(LONE STAR PET. GATE)
25	4.6	9	HWY 144 & 2425
26	4.5	26	RD 310A
27	4.1	47	HWY 310 & 2425
28	1.8	6	SITE OF TEXAS TLD#14
29	1.9	16	SITE OF TEXAS TLD#13
30	3.0	102	HAPPY HILLS CHILD. HOME
31	3.9	108	FM RD 200
32	4.6	135	HWY 67 AT 144
33	6.3	152	HWY 56-CABLE SIGN
34	2.9	47	HWY 144 & 2425
35	4.8	85	SITE OF TEXAS TLD#39
36	7.5	115	HWY 200 & 402
37	9.4	355	HOOD CITY HOSP.
38	9.2	337	HWY 377 & 203
39	9.9	310	CITY OF TULAR
40	8.1	302	FM RD 201
41	7.9	248	RD 201 & 2157
42	.5	90	ON SITE(COMMANCHE PK PLANK)
43	9.8	18	SITE OF TEXAS TLD#30
44	1.7	263	NEXT TO MAIN GATE
45	12.0	218	CHALK MT(JACKSONS TEXACO)
46	12.0	140	CITY OF BRAZOS PT.
47	21.0	301	CITY OF LIPAN

D.C.COOK

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING LOCATIONS

STATION	DIST(mi.)	DIR	DESCRIPTION
1	1.7	54	RED ARROW HWY. (US 31)
2	1.3	67	RED ARROW HWY. & LINCO RD.
3	1.1	89	RED ARROW HWY. & ROAD TO PLANT
4	.7	58	WILLOW RD.
5	2.3	19	GRAND MERE RD.
6	1.6	111	JERICHO RD. & LIVINGSTON RD.
7	1.5	135	GAST RD.
8	1.4	158	LEMON CREEK RD. & RED ARROW HWY.
9	1.9	171	RED ARROW HWY.
10	1.5	199	DUNEWOOD DR.
11	3.9	195	HILDEBRANT RD.
12	6.6	200	SAWYER RD. & RED ARROW HWY.
13	3.9	179	SNOW RD. & BALDWIN RD.
14	4.4	151	SNOW RD. & DATE RD.
15	4.6	130	CLEVELAND AVE. & SKALA RD.
16	3.7	110	CLEVELAND AVE. & LEMON CREEK RD.
17	3.6	88	CLEVELAND AVE. & MARRS RD.
18	3.8	67	CLEVELAND AVE. & ROCKY WEED RD.
19	3.8	24	THORNTON RD & MARQUETTE WOODS RD.
20	3.3	43	JOHN BEEVS RD.
21	9.9	26	DOWNTOWN ST. JOSEPH (MI)
22	18.0	121	NILES (MI)
23	18.0	121	NILES (MI)
24	18.0	121	NILES (MI)

COOPER

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING LOCATIONS

STATION	DIST(mi.)	DIR	DESCRIPTION
1	2.4	363	STATE RECREATION AREA
2	3.5	6	0.5 MILES N. OF US 136
3	2.7	18	0.6 MILES S. OF US 136
4	3.2	16	1.5 MILES W. OF HWY. U
5	1.9	47	0.9 MILES W. OF PHELPS CITY
6	3.6	40	PHELPS CITY
7	2.7	75	HWY. U (1.5 MILES S. OF US 136)
8	2.8	55	HWY. U (0.5 MILES S. OF US 136)
9	2.1	80	FARMHOUSE
10	3.7	98	LANGDON
11	2.3	118	LANGDON
12	4.6	109	GRAIN STG. BIN
13	3.2	141	BM 883
14	5.6	126	ROCK CREEK DITCH
15	2.7	159	PAST END OF HWY. U
16	4.9	167	HWY. 67 (2.3 MI. S OF L. NEMAHA R.)
17	.3	205	PLANT ENTRANCE
18	4.7	186	HWY. 67 (2.3 MI. S OF L. NEMAHA R.)
19	3.0	213	N. OF NEMAHA BRIDGE
20	4.9	195	HWY. 67 (2.3 MI. S OF L. NEMAHA R.)
21	2.0	222	NEMAHA ELEVATOR
22	5.7	215	HWY. 67 (2.3 MI. S OF L. NEMAHA R.)
23	1.5	256	HWY. 67 (N. OF RD. TO REACTOR)
24	5.2	238	HWY. 67 (0.2 MI. S OF L. NEMAHA R.)
25	2.2	276	HWY. 67 (2 MILES S. OF US 136)
26	3.8	260	HWY. 67 (3 MILES S. OF US 136)
27	1.8	301	HWY. 67 (1.3 MILES S. OF US 136)
28	4.3	286	US 136 (2.6 MI. W OF SOUTHBOUND 67)
29	2.8	324	HWY. 67 & US 136
30	3.7	333	HWY. 67 (1 MILE N. OF US 136)
31	2.6	343	BROWNVILLE
32	3.7	333	US 136 (0.6 MI. W OF SOUTHBOUND 67)
33	1.0	215	MOORE RESIDENCE
34	18.0	173	FALLS CITY
35	23.0	333	NEBRASKA CITY
36	19.0	210	US 73 & US 75
37	7.0	64	ROCK PORT
38	9.0	329	PERU
39	10.0	276	AUBURN
40	2.5	300	HAPPY HOLLOW SCHOOL
42	3.5	93	HWY. U & E (LANGDON)
43	2.2	270	NEMAHA

CRYSTAL RIVER

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING LOCATIONS

STATION	DIST(mi.)	DIR	DESCRIPTION
6	4.2	61	BASSWOOD RD & CALADIUM ST.
7	3.8	50	RT. 19
8	5.2	20	RT. 40 & RT. 19
9	5.4	6	CRACKERTOWN
10	5.0	348	COAST GUARD STATION
11	4.8	334	RT. 40
12	4.8	318	PUMPKIN ISLAND
13	3.8	79	RED LEVEL BAPTIST CHURCH
14	4.1	95	TALLAHASSEE RD.
15	1.8	89	PLANT ACCESS ROAD
16	5.0	113	OAK LANE RD.
17	5.5	133	STATE ARCHEOLOGICAL SITE
18	8.1	74	DEROSA VILLAGE
19	7.6	127	RT. 19 & RT. 495
20	12.0	150	HOMOSASSA SPRINGS
21	13.0	159	HOMOSASSA
22	20.0	150	RT. 19
23	20.0	150	RIGHT ROAD OFF RT. 19
24	20.0	150	RIGHT ROAD OFF RT. 19
25	6.1	56	CORP. OF ENGINEERS SPILLWAY & DAM
26	5.2	357	RIVERSIDE RD. & 52ND ST.
27	13.0	90	BEVERLY HILLS
28	4.8	140	MARINE SCIENCE STATION

DAVIS BESSE

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING LOCATIONS

STATION	DIST(mi.)	DIR	DESCRIPTION
1	.6	50	SITE BOUNDARY NEAR INTAKE
2	.9	86	SITE BOUNDARY
3*	1.4	116	SITE BOUNDARY - FOUSSAINT R. STORM DRAIN
4	.8	172	SITE BOUNDARY - LOCUST PT. & RIVER
5	1.5	200	ALONG LEVTZ
6	1.0	226	RT. 2 AT FENCE BOUNDARY
7	1.5	249	ZETZER RD.
8	1.8	267	HUMPHREY & DUFF WASHA
9	1.8	285	RT. 2 & HUMPHREY
10	1.5	306	LONG BEACH - HUMPHREY & HOLLYWOOD
11	.9	344	SAND BEACH - RUSSELL RD.
12	4.5	142	ERIE INDUSTRIAL PARK
13	4.0	158	RYMERS RD. & RT. 15
14	3.8	180	RT. 15 & TOUSSAINT RD.
15	4.8	207	BEHLMAN RD. & BIER
16	4.5	225	GENZMAN RD. & RT. 190
17	2.7	254	EARL MOORE FARM - BOYLEN RD.
18	3.0	269	HWY. 19 UNDER TRANSMISSION LINES
19	5.3	295	MM-CC STATE PARK (ADMINISTRATION BUILDING)
20	.5	25	RESIDENCE
21	9.7	132	4TH & MADISON
22	6.5	210	CHURCH & WALNUT

DIABLO CANYON

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING LOCATIONS

STATION	DIST(mi.)	DIR	DESCRIPTION
1	1.0	125	SITE ENTRANCE RD.
2	4.2	119	SITE ENTRANCE RD.
3	6.9	107	SAN MIGUEL ST.
4	11.0	109	CORNER NAOMI AVE.
5	14.0	113	CORNER ATLANTIC CITY AVE.
6	9.6	68	PREFUMO CANYON RD.
7	11.0	359	PG&E MORROW BAY PLANT
8	6.6	359	PECHO VALLEY RD.
9	4.7	339	MONTANO DeORO PARK
11	1.3	332	PRIV. RD. N. OF PLANT
12	21.0	37	SAN DIEGO RD.
13	21.0	37	SAN DIEGO RD.
14	21.0	37	SAN DIEGO RD.
18	9.3	162	NO LOCATION INFORMATION!

DRESDEN

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING LOCATIONS

STATION	DIST(mi.)	DIR	DESCRIPTION
1	4.2	70	FRONTAGE RD.
2	3.9	92	FRONTAGE RD.
3	3.2	119	TOWNLINE RD.
4	1.3	134	WILL RD. & TOWNLINE RD.
5	1.5	115	RIVER RD.
6	1.9	180	DRESDEN RD.
7	.5	179	PLANT ENTRANCE
8	.7	166	THORENSON RD.
9	.5	205	COLLINS RD.
10	.7	224	COLLINS RD.
11	.9	250	COLLINS RD.
12	1.6	263	COLLINS RD.
13	4.0	180	DRESDEN RD.
14	4.8	158	MURPHY RD.
15	4.2	137	GREEN RD.
16	8.4	134	MAIN ST.
17	7.4	189	BROADWAY ST.
18	4.1	203	CARPER RD.
19	3.8	231	JUGTOWN RD.
20	6.4	244	PINE BLUFF RD.
21	8.6	258	NETTLE ST.
22	4.4	269	CEMETERY RD.
23	3.3	295	TABLER RD.
24	3.9	311	SAND RIDGE RD.
25	4.7	340	MINOOKA RD.
26	4.4	7	WABENA AVE.
27	2.0	1	RIDGE RD.
28	1.7	327	McLINDON RD.
29	1.4	318	HANSEL RD.
30	1.9	301	CEMETERY RD.
31	1.5	30	HANSEL RD.
32	1.9	48	RD. IN SECTS. 19 & 30 (T.34N-R.9E)
33	1.4	76	RD. IN SECTS. 19 & 30 (T.34N-R.9E)
34	1.4	90	RD. IN SECTS. 19 & 30 (T.34N-R.9E)
35	4.5	26	CHANNAHON RD
36	3.6	42	CENTER ST.
37	11.0	52	NEAR BRANDON RI.
38	23.0	274	N. 31ST.
39	23.0	274	N. 31ST.
40	24.0	275	E. 24TH ST.

DUANE ARNOLD

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING LOCATIONS

STATION	DIST(mi.)	DIR	DESCRIPTION
1	9.7	163	EDGEWOOD RD.
2	6.2	170	HWY. 94 (COVINGTON)
3	3.5	180	PUBLIC USE AREA #11
4	2.9	216	E36 COUNTY RD.
5	2.5	201	MAJOR INTERSECTION IN PALO
6	1.0	213	DEAD END RD.
7	1.0	248	S. OF R.R. ON W36
8	1.0	279	W36 PAST SMALL BRIDGE
9	1.0	298	W36 E. SIDE FENCEPOST
10	1.5	320	W36 'Y' INTERSECTION
11	1.0	340	DEADEND RD. - E.
12	1.2	359	N. ON PRIVATE DRIVE
13	.5	237	PLANT ACCESS RD.
14	3.9	259	COUNTY RD. AFTER CURVE
15	5.0	272	SHELLSBURG
16	5.0	285	W26
17	4.5	308	E24
18	4.5	340	E24 IN 'LEWIS PRESERVE'
19	15.0	291	VINTON LUTHERAN HOME
20	15.0	291	VINTON LUTHERAN HOME
21	15.0	291	HWY. 101
22	6.1	358	SUMMIT & IOWA STS.
23	2.9	7	HWY. 150
24	3.0	28	ALONG GRAVEL RD.
25	3.5	39	HWY. 150 INTERSECTION
26	3.8	64	HWY. 150
27	1.9	50	COUNTY RD.
28	2.3	72	ON FENCE POST
29	3.0	91	TODDVILLE
30	1.8	93	WALTONIAN ARCHERS SIGN
31	2.0	113	N . OF KUEHL RESIDENCE
32	1.6	141	CROSSROADS
33	1.5	153	ALONG RD. AT INTERSECTION
34	1.2	177	FENCEPOST NEAR N. GATE
35	4.2	153	ALONG RD. AT CURVE
36	4.1	135	MILBURN RD.
37	4.6	111	HWY. 150 & GRAVEL RD.
38	5.1	123	HWY. 150 & TRAILER PARK
39	7.0	132	HIAWATHA
40	7.6	139	DANIELS PARK

FARLEY

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING LOCATIONS

STATION	DIST(mi.)	DIR	DESCRIPTION
1	14.0	268	DOTHAN
2	7.8	252	ASHFORD (AL)
3	6.1	217	PANSEY (AL)
4	5.7	155	GORDANS LANDING (AL)
5	5.1	170	MARSH RESIDENCE
6	4.5	197	PHIL. CHURCH RD.
7	2.4	191	HWY. 95 AT CEDAR CR.
8	1.8	200	UNION SPRING CH. RD.
9	1.2	220	WHATLEY FARM
10	.9	254	FRONT GATE (AT SITE)
11	.9	300	HWY. 95
12	1.1	319	HWY. 95 (FARLEY SITE)
13	1.3	338	DAMSITE RD.
14	1.2	256	PIC STATION
15	1.3	16	DAMSITE RD.
16	1.6	264	RT. 42
17	3.5	253	LANDFILL
18	3.2	233	UNION SPRING CH.
19	4.5	267	OAKY GROVE CH.
20	3.8	295	RT. 75 & RT. 33
21	4.6	315	HWY. 52 (AL)
22	4.3	332	HWY. 52 (AL)
23	4.8	251	COLUMBIA (AL)
24	5.3	32	HILTON (GA)
25	6.2	54	SAWHATCHEE (GA)
26	5.5	64	RD. 26 (GA)
27	4.7	88	CEDAR SPRINGS TOWER
28	5.1	124	CEDAR SPRINGS
29	4.1	153	HWY. 273 (GA)
30	3.6	142	HWY. 370 (GA)
31	3.0	130	HWY. 370 (GA)
32	2.8	110	HWY. 370 (GA)
33	2.6	78	HWY. 370 (GA)
34	2.2	58	RD. 81
35	2.4	34	RD. 81
36	2.7	19	ANDERS LOCK & DAM RD.
37	10.0	284	WEBB (AL)
38	15.0	289	HWY. 431 (AL)
39	15.0	293	AL HWY. 431

FERMI

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING LOCATIONS

STATION	DIST(mi.)	DIR	DESCRIPTION
1	2.1	38	ESTRAL BEACH
2	2.3	22	PORT SUNLIGHT
3	1.8	350	STRONG&TROMBLY RDS.
4	1.9	345	SWAN VIEW DR.
5	1.4	346	POST&LEROUX RDS.
6	1.3	310	M.SMITH FARM
7	1.4	298	FERMI DR.&LEROUX RD.
8	1.6	277	TOLL(N. DIXIE&LEROUX RDS.)
9	1.0	238	FERMI ENTRANCE
10	1.5	225	ELM AND MAIN ST.
11	.8	193	VENT PIPE(PT. AUX PEAX RD.)
12	.9	183	DEWEY RD.
13	.8	175	LONG RD.
14	1.7	260	JEFFERSON HIGH SCH.
15	2.5	245	WOODLAND BEACH
16	5.0	236	STERLING PARK
17	6.8	225	ENTRANCE TO DECO
18	7.8	250	ST. MARY'S PARK
19	6.0	277	DECO SUBSTATION
20	6.0	297	RT. 24&BUHL RD.
21	3.8	320	NEWPORT POST OFFICE
22	4.7	340	BRANDO&LABO RDS.
23	4.3	358	LABO&N.DIXIE HWY.
24	5.0	23	SHOOTING RANGE
25	7.0	25	CAMPAU RD.
26	7.0	0	S.ROCKWOOD
27	8.0	342	ROCKWOOD RD.
28	9.5	320	CARLETON TOWN
29	11.0	290	FINZEL RD.
30	10.0	270	RAISINVILLE RD.
31	10.0	245	HERR RD.
32	10.0	220	MORTAR RD.
33	15.0	270	LEWIS RD.
34	15.0	270	LEWIS RD.
35	16.0	290	MAYBEE RD.
36	.8	350	TOLL-FISHER RD.(SITE)
37	.7	330	TOLL RD.(SITE BOUNDRY)
38	.7	310	TOLL RD.(SITE BOUNDRY)
39	10.0	23	GIBRALTAR & TURNPIKE
40	9.0	0	CAHILL RD.
41	9.0	348	RT. 24 & GIBRALTAR RDS.

FITZPATRICK/NINE MI.

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING LOCATIONS

STATION	DIST(mi.)	DIR	DESCRIPTION
1	6.9	230	OAK HILL SCHOOL
2	14.0	184	FULTON
3	8.4	122	MEXICO
4	10.0	76	SELKIRK SHORES PARK
5	6.8	91	MEXICO PT. BOAT LAUNCH
6	4.3	112	DEMSTER BEACH RD.
7	4.3	138	ALBRIGHT RD.
8	3.6	152	MIDDLE RD.
9	3.9	183	DUKE RD.
10	4.5	205	CREMERY RD.
11	4.4	220	Z RIDGE FARM
12	6.1	230	ST. PAUL'S ST.
13	1.8	245	LAKEVIEW WATERFRONT
14	1.8	223	LAKEVIEW RD.
15	2.0	204	MINER RD.
16	1.8	181	HOPKINS RESIDENCE
17	1.9	157	PARKHURST RD.
18	1.6	137	DAWNS BEAUTY SHOP
19	1.2	115	LAKE RD.
20	1.1	92	NOYES RESIDENCE
21	19.0	229	FAIR HAVEN STATE PARK
22	19.0	229	FAIR HAVEN STATE PARK
23	19.0	229	FAIR HAVEN STATE PARK
24	8.0	196	FROST ROAD
25	7.2	168	O'CONNOR RD.
26	.6	152	NEAREST RESIDENT

FT.CALHOUN

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING LOCATIONS

STATION	DIST(mi.)	DIR	DESCRIPTION
1	2.0	358	DIRT RD. (1 MILE E. OF MISSOURI R.)
2	4.6	351	COTTONWOOD MARINA
3	2.5	30	HWY. 30 (2 MILES E. OF MISSOURI R.)
4	4.6	27	OLD SOLDIER R. DITCH
5	1.9	53	DIRT FARM RD. NEAR US 30
6	3.9	37	GRAVEL RD. NEAR US 30
7	2.3	76	DeSOTO REFUGE
8	5.2	59	CALIF. JUNCT.(1ST INTERSEC. N OF RR)
9	2.3	100	RIVER GAUGING STATION
10	5.6	88	FARM RD. NEAR US 30
11	2.3	122	DeSOTO REGUGE ENTRANCE GATE
12	5.7	105	FARMHOUSE NEAR US 30
13	1.9	145	DeSOTO
14	5.5	128	TRAILER PARK
15	1.9	157	INTERSECTION P226 & P39
16	4.9	150	CEMETERY (CLAY RD.)
17	.5	173	NEAR PLANT ENTRANCE
18	5.3	173	INTERSECTION P39 & P132
19	2.5	212	COUNTY RD.P35(AT INTERSEC-GRAVEL RD)
20	5.3	204	COUNTY RD.P34 (0.5 MI. E OF HWY 133)
21	2.0	233	COUNTY RD. P35(1.3 MI N OF RD. P128)
22	4.6	224	HWY. 133 (3.4 MILES S. OF BLAIR)
23	.6	239	1 MILE N. ON HWY. 73 FROM PLANT ENTRANCE
24	6.9	243	KENNARD
25	3.3	269	HWY. 30 & 133
26	5.9	262	COUNTY RDS.P26 &P27
27	2.8	288	BLAIR
28	5.0	292	BLAIR FARMHOUSE
29	2.4	311	TELEPHONE POLE STORAGE AREA
30	5.5	310	US 73 NEAR ROAD TO CHURCH
31	2.3	340	FIRST INTERSECTION W. OF BLAIR RD.
32	5.3	338	COTTONWOOD MARINA
33	.5	182	GREENHOUSE PLANT ENTRANCE
35	2.2	127	SMITH FARM
39	5.0	150	FORT ATKINSON
40	9.5	73	MISSOURI VALLEY
43	8.0	29	MODALE SCHOOL
44	3.5	65	PICNIC AREA - DeSOTO REFUGE
45	4.2	182	SCHOOL #8
47	4.5	298	DANA COLLEGE
48	14.0	13	MONDAMIN TOWN HALL
49	19.0	207	ELKHORN

FT. ST. VRAIN

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING LOCATIONS

STATION	DIST(mi.)	DIR	DESCRIPTION
1	.8	8	0.7 MILES N. & 0.1 MILES E. OF REACTOR
2	3.3	2	RD 42
3	2.6	29	RD 23 & RD 40
4	5.4	17	RD 46 & RD 23
5	2.1	54	FARM HOUSE ON RD 38
6	4.8	48	HWY. 60 & RD 42
7	2.6	76	RD. 25
8	4.2	58	HWY. 60 & RD. 40
9	1.5	100	RD. 23
10	4.5	87	RD. 36 & RD. 29
11	1.6	118	RD. 23
12	3.0	104	RD. 34
13	1.6	143	RD. 32 & RD. 21
14	4.5	128	NILES MILLER DAIRY
15	2.3	168	RD. 21 AT BEEMAN'S DITCH
16	4.6	148	RD. 28
17	.8	182	RD. 34
18	4.8	175	RD. 26
19	.9	210	RD. 19 & RD. 34
20	2.9	200	RD. 19 & HWY. 66
21	1.3	234	RD. 34
22	3.3	216	RD. 17
23	2.5	254	RD. 34 & RD. 15
24	3.8	244	RD. 13 & RD. 32
25	1.5	278	RD. 17 & RD. 36
26	5.4	263	RD. 34
27	1.7	297	RD. 17 & RD. 36 1/2
28	5.6	284	RD. 38
29	.9	317	RD. 36 1/2 & RD. 19
30	4.2	305	RD. 13 & RD. 40
31	1.4	338	RD. 15 & RD. 38
32	5.0	330	RD. 44 & RD. 15
33	6.5	267	MEAD ELEMENTARY SCHOOL
34	3.7	130	PLATTEVILLE ELEMENTARY SCHOOL
35	.1	270	VISTOR'S CENTER AT PLANT
38	6.7	345	LETFORD ELEMENTARY SCHOOL
39	6.0	10	MILLIKEN MIDDLE SCHOOL
40	6.0	63	GILCREST
41	12.0	165	FT. LUPTON
42	13.0	248	LONGMONT SCHOOL
45	11.0	198	FREDERICK JR./SR. HIGH SCHOOL
46	16.0	39	GREELEY ELECTRICAL SUBSTATION
47	17.0	357	WINDSOR
48	18.0	171	BRIGHTON
49	.5	360	RD. 19

GINNA

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING LOCATIONS

STATION	DIST(mi.)	DIR	DESCRIPTION
1	1.7	95	ONTARIO BOAT LAUNCH
2	1.1	108	LAKE RD. & KNICKERBOCKER RD.
3	1.7	142	KNICKERBOCKER RD. & BRICK CHURCH RD.
4	1.5	154	BRICK CHURCH RD.
5	1.4	174	ONTARIO CENTER RD. & BRICK CHURCH RD.
6	1.6	212	SLOCUM RD. & BRICK CHURCH RD.
7	.9	244	LAKE RD. & SLOCUM RD.
8	.6	230	LAKE RD.
10	1.5	266	EAGLE CLIFF FARM
11	4.6	264	LAKE RD. & SALT RD.
12	3.8	245	COUNTY LINE RD. & WOODWARD RD.
13	4.2	235	COUNTY LINE RD. & BERG RD.
14	3.8	200	RT. 104 (SUBSTATION #204)
15	3.4	178	RT. 104 (SUBSTATION #205)
16	3.7	160	RT. 104 & FURNACE RD.
17	3.8	134	FISHER RD & KENYON RD.
18	4.3	115	SEELY RD. & STONY LONESOME RD.
19	4.0	88	STONY LONESOME RD. & LAKE RD.
20	6.2	90	PULTNEYVILLE
21	7.6	123	WILLIAMSON
22	12.0	105	MARION
23	11.0	151	SODUS
24	13.0	212	FAIRPORT
25	13.0	223	PENFIELD
26	16.0	242	ROCHESTER MUSEUM
27	14.0	254	IRONDEQUDIT TOWN HALL
28	6.9	234	WEBSTER
29	.3	185	FARM IN FRONT OF PLANT
30	14.0	264	ROCHESTER

GRAND GULF

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING LOCATIONS

STATION	DIST(mi.)	DIR	DESCRIPTION
2	1.6	351	GRAND GULF ST. PARK
3	1.5	20	EVAC. SIGN E. OF GRAND GULF
4	2.3	51	E. OF STATION 3
5	2.7	68	UNDERGROUND CABLE SIGN
6	4.1	47	N. OF YMCA CAMP
7	4.9	68	BONNER BEAUTY SHOP
8	3.2	91	LAKE CLAIBORNE
9	1.0	81	W. OF SPRING HILL BAPTIST CHURCH
10	.6	109	NEAR ROAD BED SIGN ESE OF PLANT
11	.8	139	OPEN FIELD SE OF PLANT
12	1.6	185	S. OF PLANT
13	1.9	207	UNDERGROUND CABLE SIGN
14	1.5	247	WSW OF PLANT BY MISS. RIVER
15	4.2	130	ADDISON HIGH SCHOOL
16	4.8	122	PORT GIBSON SUBSTATION
17	5.3	135	VINE ST.
18	4.3	147	CENTERS CR.
19	6.8	224	WINDSOR RUINS
20	3.6	172	NEAR MISS. AIR SAMPLING STATION
21	12.0	291	NEWELLTON
22	8.0	332	TOP OF LEVY
23	7.9	310	YUCATAN HUNTING CLUB
24	7.0	281	LAKE ST. JOSEPH
25	4.8	291	WINTER QUARTERS
26	9.5	248	LAKE BRUIN STATE PARK
27	12.0	239	ST. JOSEPH
29	.9	90	MAGIE JACKSON TRAILER
30	51.0	67	JACKSON (MISSISSIPPI)
31	51.0	67	JACKSON (MISSISSIPPI)
32	51.0	67	JACKSON (MISSISSIPPI)
33	4.8	206	EAST OF WINDSOR RUINS

HADDAM NECK

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING LOCATIONS

STATION	DIST(mi.)	DIR	DESCRIPTION
2	2.6	17	LEESVILLE SUBSTA.
3	1.9	45	FRANK DAVIS RESORT
4	2.3	67	RT. 149 & RT. 151
5	1.6	93	STATE RT. 149
6	2.3	115	ON MORTIMER GELSTON FARM
7	1.9	143	SUBSTA. ON RT. 9A
8	.9	165	PLAINS ROAD
9	1.3	174	PLAINS ROAD
10	.7	195	MIDDLESEX EXT. CENTER
12	.8	241	JAIL HILL ROAD
13	.8	263	WALKLEY HILL RD. & RT. 9A
14	1.9	290	WALKLEY HILL ROAD
15	1.5	311	ROCK LANDING
16	1.3	341	UPPER ROAD
17	2.3	360	PINE BROOK
18	2.5	222	BEAVER MEADOW ROAD
19	3.0	269	SKINNER ROAD
20	3.2	66	EAST HADDAM PUBLIC LIBRARY
21	2.8	91	ORCHARD ST.
22	3.2	112	SUBSTA. ON RT. 151
23	2.9	137	GOODSPEED OPERA HOUSE
24	7.1	155	MONSANTO PLANT
25	5.7	175	CHESTER(RT.148)
26	2.5	196	TURKEY HILL ROAD
27	1.1	225	JAIL HILL ROAD
28	3.5	250	HADDAM JR. HIGH
29	20.0	340	CONN.STATE(SECURITY)
30	3.2	286	CL&P SUBSTA.(HIGGANUM)
31	2.7	322	CLARKHURST ROAD
32	2.9	327	HURD PARK ROAD
33	6.4	359	EAST HAMPTON FIRE DEPT.
35	10.0	54	COLCHESTER STATE POLICE
36	8.8	72	LAKE HAYWOOD AREA
37	6.8	149	ST.JOHN'S SCHOOL
38	5.9	158	CHESTER FIRE CO.
39	8.8	267	COGINCHAUG HIGH SCH.
40	9.1	303	OLD GAS WORKS
41	9.6	313	U.S. POST OFFICE
42	13.0	320	CROMWELL FIRE CO.
43	18.0	324	NEWINGTON CHILDREN'S HOSP.
44	15.0	328	ROCKY HILL FIRE STA.
45	18.0	343	WETHERSFIELD(CONN)
46	5.0	144	SMOLEN'S RESIDENCE
47	20.0	330	WEST HARTFORD
49	20.0	340	CONN. STATE CAPITOL

HATCH

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING LOCATIONS

STATION	DIST(mi.)	DIR	DESCRIPTION
1	23.0	342	VIDALIA FIRE STATION
2	7.7	359	TOOMBS CENTRAL SCHOOL
3	4.5	354	HWY. 1 & RD. 43
4	2.9	336	HWY. 107 (TAYLOR CHAPEL)
5	4.6	309	RD. S 1125
6	5.6	297	GRAYS LANDING
7	2.8	24	DEAD RIVER RD.
8	2.0	49	DEAD RIVER RD.
9	10.0	49	GA STATE PRISON
10	4.8	28	RD. 30
11	5.0	67	PROVIDENCE CHURCH
12	5.1	50	MARVEY CHURCH
13	2.0	353	RD. 49
14	1.6	341	WILLIAMS CR. BRIDGE
15	10.0	147	McTIER CHURCH
16	.9	232	HWY. 1 AT POND
17	1.6	205	HWY. 1 NEAR HVT LINES
18	4.2	192	ALTOMADA SCH.
19	4.2	184	RD. 538
20	4.6	165	RD. 538 AT POND
21	4.4	135	RD. 380 & 377
22	4.1	120	RD. 377 & 382
23	3.7	107	RD. 382
24	13.0	123	BETHEL CHURCH
25	12.0	114	OAK GROVE CHURCH
26	1.8	142	RD. 386
27	2.2	157	RD. 383
28	.9	171	RD. 383 (N.R.)
29	1.0	253	CALVARY CHURCH
30	1.0	270	RD. 467
31	1.1	292	RD. 467
32	4.2	268	RD. 3 & 1
33	4.3	248	RD. 1 & 11
34	4.1	216	MELTON CHAPEL
35	11.0	234	GRAHAM (GA)
36	10.0	182	SHELL STATION
37	10.0	177	BAXLEY SUBSTATION
38	12.0	323	SUBSTATION (ALSTON GA)
39	13.0	321	HWY. 135 & RT. 107
40	12.0	323	RT. 107 AND RT. 113

INDIAN POINT

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING LOCATIONS

STATION	DIST(mi.)	DIR	DESCRIPTION
1	1.4	52	VALERIE HOME
2	1.0	53	CHARBS PT.
3	1.5	61	FRANKLIN ST.
4	1.2	89	WASHINGTON ST.
5	.9	107	POST RD. (ALBANY-NY)
6	.5	90	BROADWAY
7	.8	133	FIRST ST.
8	.8	158	WEST CHESTER AVE.
9	1.2	188	WESTCHESTER AVE.
10	.9	206	NYU RADIO TOWER
11	1.1	170	MONTROSE PT.
12	2.3	155	DUTCH ST.
13	3.2	136	WATCH HILL RD.
14	3.1	107	WATCH HILL RD.
15	3.8	94	FURNACE DOCK RD.
16	5.7	142	CROTON-ON-HUDSON
18	9.1	147	OSSINING
19	11.0	137	PLEASANTVILLE
20	11.0	129	CHAPPAQUA
22	7.5	74	NAT. GUARD ARMORY
23	92.0	5	UWC - ALBANY
24	92.0	5	UWC - ALBANY
25	4.1	65	CROMPOUND RD.
26	4.0	40	LOCUST AVE.
27	5.3	25	GALLOWS HILL RD.
28	2.9	24	ROA HOOK RD.
29	2.1	22	POLICE STATION
30	1.9	8	CORTLANDT TOWNSHIP GARAGE
31	5.0	356	RT. 9D
32	3.7	330	BEAR MTN. BRIDGE
33	4.7	338	GARRISON RD.
34	7.0	354	LADYCLIFF COLLEGE
35	4.4	297	ANTHONY WAYNE RECREATION AREA
36	3.6	309	PERKINS MEM. OBSERVATORY
37	1.1	350	JONES POINT
38	.9	337	JONES POINT
39	1.0	315	RT. 202
40	1.1	294	RT. 202
41	1.1	274	GAYS HILL RD
42	1.5	248	MOTT FARM RD.
43	2.8	263	CAMP ADDISONE BOYCE
44	92.0	5	UWC - ALBANY
45	2.4	227	WAYNE AVE.
46	3.2	209	STONY PT.
47	5.3	218	THIELLS
48	4.6	201	WEST HAVERSTRAW
49	5.2	187	HAVERSTRAW

KEWAUNEE/PT. BEACH

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING LOCATIONS

STATION	DIST(mi.)	DIR	DESCRIPTION
1	8.1	189	HWY. 42 & 34TH AVE.
2	7.0	195	COUNTY RD. VV & TANNERY RD.
3	4.9	163	PT. BEACH STATE PARK
4	3.3	183	LAKE SHORE RD. & RAVINE DR.
5	3.2	210	ELECTRICAL POWER SUBSTATION ON COUNTY RD. V
6	3.7	223	COUNTY RD. V & TANNERY RD.
7	5.7	242	COUNTY RD. V
8	1.8	202	IRISH RD.
9	1.8	180	IRISH RD.
10	1.9	158	IRISH RD. & LAKE SHORE RD.
11	1.2	235	NUCLEAR RD. & TWIN ELDER RD.
12	1.4	258	HWY. 42
13	1.4	273	HWY. 42
14	.9	290	TAPAWINGO RD.
15	.8	342	LAKE SHORE RD.
16	1.9	342	TWO CREEKS RD. & LAKE SHORE RD.
17	2.0	317	TWO CREEKS RD. & HWY. 42
18	3.4	310	ZANDER RD. & TANNERY RD.
19	4.0	293	SAXONBURG RD.
20	4.0	273	SAXONBURG RD. & TAPAWINGO RD.
21	5.6	300	TISCH MILLS
22	5.9	316	NUCLEAR RD. & COUNTY RD. B
23	2.7	345	LAKE SHORE RD.
24	1.3	219	COUNTY RD. BB & RADAJACK LANE
25	1.4	247	WOODSIDE AVE.
26	1.3	263	WOODSIDE AVE.
27	1.4	290	WOODSIDE AVE.
28	1.3	320	SANDY BAY RD.
29	1.1	342	SANDY BAY RD. & HWY. 42
30	.6	329	HWY. 42
31	1.0	13	SANDY BAY RD. & CEMETERY RD.
32	2.1	353	HWY. 42 & LAKE SHORE RD./COUNTY RD. G
33	3.9	301	COUNTY RD. G
34	8.4	299	HWY. 163
35	3.8	323	OLD SETTLER RD. & TOWN HALL RD.
36	3.3	336	OLD SETTLER RD. & WOODSIDE AVE.
37	3.1	6	OLD SETTLER RD.
38	3.7	14	LAKE SHORE RD. & LAKE RD.
39	7.6	13	HWY. 42
40	4.3	247	ASPEN RD. & SAXONBURG RD.
41	23.0	8	UWC - HWY. 42
42	23.0	8	UWC - HWY. 42
43	23.0	8	UWC - HWY. 42

LACROSSE

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING LOCATIONS

STATION	DIST(mi.)	DIR	DESCRIPTION
1	20.0	5	STATE OFFICE BLDG.
2	20.0	5	STATE OFFICE BLDG.
3	20.0	3	ST. DOMINIC'S MONASTERY
4	3.8	343	BROWNSVILLE
5	3.8	313	RENO - HWY. 26
6	3.0	291	FRONT OF TRAILER
7	4.8	261	HOUSTON CTY. RD. 14
8	3.2	249	RR NEXT TO HWY. 26
9	5.0	214	NEW ALBIN (LEFT OF HWY. 26)
10	9.8	171	DeSOTO (WI)
11	5.1	176	VICTORY
12	4.9	165	COUNTY RD.
13	3.5	138	BAD AXE RD.
14	4.2	114	WARREN RD.
15	3.9	97	CREEK RD.
16	3.0	94	HWY. 56 (S. SIDE)
17	2.0	105	MOUND RIDGE RD.
18	1.5	52	HWY. 56
19	1.5	16	HWY. 56 & COUNTY K RD.
20	1.0	1	GENOA
21	.5	358	LOCK & DAM #8
22	.6	180	HWY 35
23	1.7	134	PEDRETTI FARM
24	.6	58	MALIN FARM
25	3.1	59	COUNTY K (LEFT SIDE)
26	1.5	16	COUNTY O RD.
27	5.1	26	BIRCHLAWN FARM
28	7.0	25	THUNDER COULEE
29	4.8	4	HWY. 35 AT WAYSIDE

LA SALLE

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING LOCATIONS

STATION	DIST(mi.)	DIR	DESCRIPTION
1	10.0	302	McKINLEY ST.
2	4.8	335	2350TH RD.
3	5.8	343	AURORA ST.
4	5.5	38	OAK ST.
5	4.3	39	N. 2553 RD.
6	3.8	27	N. 2553 RD.
7	4.1	355	N. 2553 RD.
8	4.6	304	N. 24TH & E. 22ND RD.
9	3.9	292	N. 23RD & E. 22ND RD.
10	3.7	276	N. 22ND & E. 22ND RD.
11	4.0	248	N. 20TH & E. 22ND RD.
12	12.0	222	ILLINOIS ST.
13	18.0	212	HWY. 23
14	18.0	212	HWY. 23
15	18.0	212	HWY. 23
16	4.4	215	N. 18TH RD.
17	4.0	204	N. 18TH RD. & E. 24TH RD.
18	4.6	173	N. 17TH RD.
19	6.4	174	PLUMB ST.
20	4.9	158	N. 18TH & E. 27TH RD.
21	4.2	125	HWY. 170
22	3.8	114	HWY. 170 & N. 20TH RD.
23	4.5	97	N. 21ST & E. 30TH RD.
24	4.7	72	O/MALLEY RD.
25	2.0	41	N. 2350TH RD.
26	1.6	13	N. 2350TH RD.
27	1.5	358	N. 2350TH RD.
28	1.6	336	E. 25TH & N. 2350TH RD.
29	2.3	310	E. 24TH & N. 2350TH RD.
30	2.0	301	E. 24TH RD.
31	1.7	271	E. 24TH RD.
32	1.8	251	N. 21ST & E. 24TH RD.
33	2.4	227	N. 20TH & E. 24TH RD.
34	1.7	204	N. 20TH & E. 25TH RD.
35	1.6	171	N. 20TH & E. 26TH RD.
36	1.8	153	N. 20TH RD.
37	2.1	139	E. 27TH RD. & N. 20TH RD.
38	1.5	111	N. 21ST & E. 27TH RD.
39	.6	271	E. 25TH RD.

LIMERICK

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING LOCATIONS

STATION	DIST(mi.)	DIR	DESCRIPTION
2	17.0	131	NO LOCATION INFORMATION!
3	3.7	88	CEMETERY RT.422
4	3.2	52	HOFFMAN NURSERY
5	3.5	23	FAUST RD.&SWAMP PIKE
6	4.6	8	FIRE CO.(SWAMP PIKE)
7	7.1	340	S. MADISON ST.(FIELD)
8	3.6	330	SMITH RESIDENCE
9	3.3	313	N. END FIRE CO.
10	4.8	291	PRINCE ST.
11	2.9	303	SUBSTATION SHERIDAN ST.
12	1.6	314	POTTSTOWN MEDICAL CTR.
13	1.7	352	POTTSGROVE ELEM. SCH.
14	1.3	339	SANATOGA FIRE CO.
15	1.8	47	SAWCHUK'S GARAGE
16	2.7	71	LIMERICK TWP.MUNICIPAL BLDG.
17	.4	17	LIMERICK PLANT ENTRANCE
18	.5	286	W. KULP RESIDENCE
19	.6	276	NEAR RR TRACKS
20	.9	245	EASTERN WAREHOUSES
21	1.0	224	SANATOGA RD.
22	1.2	202	CHEVRON STATION
23	1.6	172	BUS STOP/UTILITY POLE
24	1.7	150	MOBILE STATION
25	1.2	132	LIMERICK CTR. RD.
26	1.2	120	BROWNBACK RD.
27	1.0	160	HOUSE #68(LONGVIEW RD.)
28	1.0	91	EVANS CREEK
29	.7	67	BESSE BELL FARM
30	3.4	146	PENNHURST ENTRANCE
31	2.8	158	PENHURST RESERVOIR
32	7.4	152	SUBSTATION(WHEATLAND ST.)
33	4.3	184	SEVEN STARS INN
34	3.9	201	RIDGE FIRE CO.
35	5.1	225	RIDGE RESTAURANT
36	4.2	245	DRIVING RANGE
37	3.9	266	CEDARVILLE RD.
38	15.0	290	DANIEL BOONE HOMESTEAD
39	15.0	290	DANIEL BOONE HOMESTEAD
40	15.0	290	DANIEL BOONE HOMESTEAD
41	3.0	128	STECKEL RESIDENCE
42	4.4	111	MINGO CHURCH

MAINE YANKEE

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING LOCATIONS

STATION	DIST(mi.)	DIR	DESCRIPTION
2	1.4	6	RT. 144
3	1.5	23	RT. 144
4	1.8	44	OLD RT. 144 & RT. 144
5	.5	116	RT. 144
6	1.0	168	WEST PORT VOLUNTEER
7	1.6	185	RT. 144
8	2.3	195	BAY SHORE RD.
9	3.8	209	HARRISON'S TRAILER
10	1.7	310	MONTSWEAG BROOK
11	1.8	290	RT. 1 & MONTSWEAG RD.
12	1.7	275	MONTSWEAG RD.
13	1.9	256	MONTSWEAG RD.
14	2.5	232	MURPHY'S CORNER
15	5.3	227	HOCKOMOCK RD.
16	4.4	246	MURPHY'S CORNER RD.
17	6.6	250	BATH FIRE STATION
18	4.7	268	RT. 127
19	4.4	283	RT. 127 & OLD STAGE RD.
20	4.7	305	RT. 127 & DANA HILL RD.
21	2.9	300	OLD STAGE RD. & MEADOW RD.
22	2.7	332	OLD STAGE RD.
23	3.9	20	WISCASSET COURT HOUSE
24	3.0	23	MASON STATION
25	4.7	42	RT. 1 & RT. 27
26	15.0	60	UWC (WALDOBORO)
27	16.0	62	UWC (WALDOBORO)
28	16.0	63	UWC (WALDOBORO)
29	2.1	64	CROSS POINT RD.
30	1.5	84	CROSS POINT RD.
31	1.6	115	CROSS POINT RD. & MILL RD.
32	2.0	135	CROSS POINT RD.
33	3.5	66	EDGECOMB FIRE CO.
34	4.9	97	RIVER RD.
35	4.8	123	RIVER RD. & RT. 27
36	4.9	140	ADAMS POND RD. & DOVER RD.
37	6.0	151	INTERSECTION OF RT. 27 (BACK RIVER RD. & COREY
38	4.2	152	BACK RIVER RD. & GRAY RD.
39	4.9	172	BARTERS ISLAND
40	7.4	156	BOOTHBAY FIRE STATION

MCGUIRE

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING LOCATIONS

STATION	DIST(mi.)	DIR	DESCRIPTION
1	.5	97	SITE RD. (S. OF ENVIR. LAB.)
2	1.6	323	RT. 1395 (1.6 MILES N. OF RT. 73)
3	1.7	336	RT. 1393 (0.4 MILES E. OF RT. 1395)
4	2.9	303	LINCOLN ANIMAL HOSPITAL
5	3.9	321	LINCOLN EMERG. SERV. BLDG.
6	3.7	334	OLD EBENEZER CH.
7	3.5	352	LAKEVIEW INN RESTAURANT
8	2.0	287	RT. 73 (0.1 MILES E. OF RT. 1396)
9	1.9	273	MARTHA'S CHAPEL
10	1.7	244	RT. 1396 (0.2 MILES S. OF RT. 1397)
11	2.1	225	RT. 1396 AT RAILROAD TRACKS
12	3.6	212	RT. 1396 NEAR JOHNSON CR.
13	4.4	232	CASTANEA CH.
14	3.7	253	CAROLINA BANK OF LOWESVILLE
15	4.2	261	0.7 MILES W. OF RT. 16 & HILLS CH.
16	4.3	288	LINCOLN HIGH SCHOOL
17	16.0	288	RT. 321 & RT. 1281
18	2.0	287	RT. 73 (0.1 MILES E.)
19	16.0	286	McKENDREE CH.
20	17.0	233	GASTONIA (McDONALDS)
21	10.0	204	MT. HOLLY SCH.
22	9.5	239	KISER SCHOOL (STANLEY)
23	4.9	115	RT. 2138 (0.1 MILES)
24	4.9	132	RT. 2138 & RT. 2117
25	4.0	156	RT. 2074 & RT. 2128
26	3.7	175	McDOWELL CR.
27	4.3	198	END OF RT. 2074
28	12.0	169	BROWNS AVE. (CHARLOTTE)
29	12.0	155	BEATTIES FORD RD. (CHARLOTTE)
30	13.0	146	GRAHAM ST. (CHARLOTTE)
31	1.9	143	UNION GROVE CH.
32	1.3	155	RT. 2133 (0.9 MILES W. OF RT. 2128)
33	1.6	178	RT. 2133 (1.5 MILES W. OF RT. 2128)
34	2.0	108	GILEAD VOLUNTEER FIRE DEPT.
35	2.2	93	RT. 73 & TERRY LANE
36	2.5	68	NORMAN ISLAND DR.
37	4.7	82	RT. 21 & RT. 2145
38	4.9	64	RT. 21 & RT. 2147
39	5.0	42	ANCHORAGE SHIPYARD
40	4.3	26	BETHEL CH. RD. & STAGHORN CT.
41	2.0	42	RT. 2149 (1.1 MILES S. OF RT. 2151)
42	1.6	21	MOLLYPOP LANE
43	2.6	8	JETTON RD. & CASUAL CAY RD.
44	13.0	37	MOORESVILLE RAILROAD CROSSING
45	18.0	78	N. KANNAPOLIS METHODIST CH.
46	18.0	94	CONCORD

MILLSTONE

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING LOCATIONS

STATION	DIST(mi.)	DIR	DESCRIPTION
1	1.0	0	ALBACORE DRIVE
2	1.3	24	GARDNERS WOOD ROAD
3	1.5	47	LAMPHERE ROAD
4	1.7	60	NEW LONDON COUNTRY CLUB
5	1.3	85	PLEASURE BEACH FIRE STATION
6	1.8	110	SEASIDE POINT
7	5.3	67	EASTERN POINT SCHOOL
8	5.3	49	NEW LONDON PIER
9	5.2	84	AVERY POINT
11	2.5	232	OLD BLACK POINT ROAD
12	2.4	256	BILLOW ROAD
13	2.2	274	TERRACE ROAD
14	1.9	295	COLUMBUS AVENUE
15	1.5	315	SMITH AVE.
16	1.2	339	HILLVER'S BAIT SHOP
17	3.5	353	OSWEGATCHIE FIRE STATION
18	3.5	24	FOY PLAIN ROAD
19	3.0	33	WATERFORD POLICE DEPT.
20	4.0	82	NEW LONDON LIGHT HOUSE
22	3.7	59	LAWRENCE HOSPITAL
28	5.8	257	POLICE STA.-SOUND VIEW
29	3.7	272	GIANTS NECK ROAD
30	3.5	295	COREY LN.
31	3.6	317	EAST LYME HIGH SCHOOL
32	4.3	327	FLANDERS SUB.
33	4.7	41	HIGH SCHOOL-NEW LONDON
34	5.5	54	FORT GRISWOLD
37	6.8	354	KONOMOC RESERVOIR
39	5.7	1	WATERFORD MAINTENANCE GARAGE
40	8.7	278	OLD LYME SUB.
41	11.0	34	STODDARDS WHARF ROAD
42	8.0	84	MUMFORD COVE
46	.6	41	GUNSHOT RD-POLE #3735
48	40.0	4	ASHFORD/CONN
49	40.0	4	ASHFORD/CONN

MONTICELLO

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING LOCATIONS

STATION	DIST(mi.)	DIR	DESCRIPTION
1	3.6	133	WASHINGTON AVE.
2	4.6	163	COUNTY RD 25
3	4.1	183	COUNTY RD. 106
4	4.3	206	ACACIA AVE.
5	4.2	230	VANLITH RESIDENCE
6	4.6	253	COUNTY RD. 111
7	4.4	269	COUNTY RD. 111 (NEAR CHURCH)
8	4.0	286	W. BERGQUIST PROPERTY
9	1.9	274	SECTION 31 (T. 122 N. - R. 25 W.)
10	1.3	244	ORCHARD DR.
11	.9	226	ORCHARD DR.
12	1.8	181	INTERSECTION COUNTY RD. 39
13	1.7	137	OTTERCREEK RD.
14	1.0	155	W. RIVER ST./COUNTY RD. 75
15	.5	208	NEAREST RESIDENT COUNTY RD. 75
16	2.0	284	COUNTY RD. 75
17	1.6	113	COUNTY RD. 11
18	1.1	85	COUNTY RD. 11
19	1.2	63	COUNTY RD. 11
20	1.7	37	COUNTY RD. 11 & 84TH AVE.
21	.8	23	SHERBURNE AVE(SOUTH)
22	.7	354	SHERBURNE AVE(SOUTH)
23	.8	338	SHERBURNE AVE(SOUTH)
24	1.8	307	BENCHMARK 948(SHERBURNE AVE)
25	4.1	339	PLEASANT ST.
26	4.6	320	COUNTY RD. 53
27	4.5	354	COUNTY RD. 67/4
28	3.7	17	COUNTY RD. 11/73
29	4.0	50	COUNTY RD. 73/81
30	3.6	77	COUNTY RD. 73/196TH ST.
31	3.3	115	COUNTY RD. 25 NEAR AIRPORT
32	4.6	90	LAKE ST./MARTIN AVE.
33	15.0	323	COUNTY RD. 3
34	15.0	323	COUNTY RD. 3
35	15.0	323	COUNTY RD. 3

NORTH ANNA

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING LOCATIONS

STATION	DIST(mi.)	DIR	DESCRIPTION
1	1.8	243	RT. 700 & RT. 652
2	1.6	263	RT. 685 (0.4 MILES N. OF RT. 652)
3	1.0	296	RT. 685 (1.5 MILES N. OF RT. 652)
4	1.3	311	RT. 685 (1.6 MILES N. OF RT. 652)
5	1.3	329	RT. 685 (2.1 MILES N. OF RT. 652)
6	3.9	231	RT. 700 & RT. 712
7	1.7	224	LAUREL HILL CHURCH
8	1.6	210	RT. 652 (0.8 MILES E. OF RT. 700)
9	1.4	181	RT. 652 & RD. 1205
10	1.0	155	S. SHORE OF LAKE ANNA
11	1.6	136	RT. 614 (1.2 MILES N. OF RT. 652)
12	3.5	163	INTERSECTION OF RT. 652 & RD. 728
13	3.3	190	TRICE DAIRY RD.
14	4.9	205	RT. 614 & RT. 618
15	4.2	140	RT. 622 (0.5 MILES N. OF RT. 701)
16	4.9	113	RT. 601 & RT. 622
17	3.3	93	RT. 601 (2.2 MILES N. OF LEVY)
18	4.1	64	RT. 614 (1.6 MILES NE OF RT. 601)
19	2.7	78	RT. 601 & RT. 614 (LEWISTON)
20	1.9	97	RT. 614 (1 MILE S. OF RT. 601)
21	1.7	105	RT. 614 (N. SHORE OF LAKE ANNA)
22	2.4	60	RT. 601 & RT. 689
23	1.4	37	RT. 713 (0.9 MILES S. OF RT. 601)
24	1.6	16	0.5 MILES NW OF RT. 713 ON DIRT RD.
25	3.5	48	RT. 665 (1.1 MILES W. OF RT. 601)
26	3.7	17	GOOD HOPE CHURCH ON RT. 601
27	4.8	3	RT. 601 & RIDGE RD.
28	4.0	348	RT. 643 (0.7 MILES NW OF RT. 655)
29	1.9	2	RT. 208 IN GLENORA
30	5.0	284	WARES CROSSROADS
31	4.7	310	RT. 663 (N. SHORE OF LAKE ANNA)
32	4.9	273	HWY. 522
33	5.1	257	HWY. 522 & RT. 720
34	7.1	242	MINERAL GRADE SCHOOL
35	11.0	255	HWY. 32 & RT. 208 (LA)
36	15.0	248	S. ANNA RD. & RT. 208
37	17.0	247	RT. 208 & RT. 640
38	19.0	244	RT. 208 & HWY. 64

OCONEE

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING LOCATIONS

STATION	DIST(mi.)	DIR	DESCRIPTION
1	7.5	158	CLEMSON
2	4.9	133	LAWRENCE CHAPEL
3	4.3	119	PLEASANT HILL CHURCH
4	4.7	84	SIX MILE MICROWAVE TOWER
5	4.0	65	HWY. 133
6	1.8	52	HWY. 183
7	3.5	22	HWY. 157 (BANKS RESIDENCE)
8	1.4	33	WARPATH LANDING
9	1.8	52	HWY. 183 S. OF WARPATH RD.
10	1.2	66	HWY. 183 (1 MILE S. OF WARPATH RD.)
11	1.9	107	HWY. 160 (BAIT SHOP)
12	1.0	87	HWY. 183 (1.5 MILES S. OF WARPATH RD.)
13	.7	142	HWY. 6 (BEAVER COLONY)
14	.7	166	HWY. 6 (0.7 MILES S. OF HWY. 183)
15	1.7	226	HWY. 15 (MORGAN MEMORIAL CHAPEL)
16	1.4	207	HWY. 15 AT HWY. 37
17	2.2	182	HWY. 130 AT DIRT RD.
18	3.8	186	HWY. 130 (1.0 MILES N. OF NEWRY)
19	4.1	155	ISSAQUEENA LAKE RD.
20	8.4	203	SENECA WATER TOWER
21	4.6	210	SUBDIVISION OFF HWY. 588
22	4.8	227	HWY. 188 NEAR BRIDGE
23	3.6	240	NEW HOPE CHURCH
24	3.6	268	KEOWEE HIGH SCHOOL
25	1.9	257	TRAMMEL RD.
26	3.6	293	HIGHWAY 201 AT HWY. 92
27	3.5	311	STAMP CR. ACCESS AREA
28	2.0	288	HIGH FALLS CHURCH
29	1.8	275	DUKE CAMPGROUND
30	1.8	321	KEOWEE KEY GUARD HOUSE
31	2.0	344	McCALL RESIDENCE
32	3.7	336	STAMP CR. CHURCH
33	4.5	358	KEOWEE TOWN LANDING
34	9.4	256	WALHALLA
35	21.0	149	ANDERSON
36	8.2	126	CENTRAL
37	9.7	96	LIBERTY
38	15.0	32	HOLLY SPRINGS CHURCH
39	15.0	31	HOLLY SPRINGS GROCERY
40	15.0	29	SLIDING ROCK RD. & HWY. 178

OYSTER CREEK

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING LOCATIONS

STATION	DIST(mi.)	DIR	DESCRIPTION
1	.5	141	BAY PARKWAY AVE.
2	.9	120	BAY PARKWAY AVE.
3	1.5	105	COMPASS ROAD
4	1.5	127	NORTH OF FRESH CREEK
5	1.3	137	LIGHTHOUSE ROAD
6	1.2	158	WARETOWN SUBSTATION
7	2.2	176	WARETOWN SUBSTATION
8	1.6	179	AHEARNS SEAFOOD MARKET
9	2.8	159	BARNEGAT BEACH
10	8.4	187	BAYSHORE DRIVE
11	4.4	173	BAYSHORE DRIVE
12	4.2	196	BARNEGATE ELEMENTARY SCHOOL
13	8.6	198	MONAHAWKIN
14	10.0	185	MARGUS MARINA
15	10.0	171	LONG BEACH BLVD.&8TH ST.
16	8.2	154	LONG BEACH BLVD.& 70TH ST.
17	6.3	126	6TH AND BAY AVE.
18	4.6	220	BARNEGAT ESTATES
19	5.3	231	GARDEN STATE PARKWAY INTERCHANGE#69
20	1.6	211	ROUTE 532(WARETOWN CREEK)
22	1.5	258	GARDEN STATE PARKWAY
23	1.2	271	GARDEN STATE PARKWAY
24	1.3	297	GARDEN STATE PARKWAY
25	1.5	318	GARDEN STATE PARKWAY
26	3.2	341	PARKSIDE DRIVE
27	4.6	330	LACEY ROAD
28	3.2	358	LACEY TOWNSHIP MUNICIPAL BLDG.
29	1.8	4	LAKE BARNEGAT SOUTH SHORE
30	.8	19	CLEAR WATER DRIVE
31	1.4	69	BEACH BLVD.
32	2.5	78	BEACH BLVD.
33	2.2	85	BEACH BLVD.
34	1.7	38	BAY AVE.
35	1.9	24	LACEY ROAD
36	3.0	50	SUNRISE BLVD.
37	4.8	46	LAUREL BLVD.
38	4.0	27	LANOKA FIRE AND FIRST AID STATION
39	8.9	12	ADMIRAL FARRAGUT ACADEMY
40	8.7	10	PROSPECT AVE.
41	9.9	3	FRANKLIN AVE.
42	10.0	38	J STREET
43	9.1	46	ISLAND BEACH STATE PARK
44	6.5	73	ISLAND BEACH STATE PARK
45	6.0	79	ISLAND BEACH STATE PARK
46	20.0	278	LEBANON STATE PARK
47	20.0	278	LEBANON STATE PARK

PALISADES

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING LOCATIONS

STATION	DIST(mi.)	DIR	DESCRIPTION
1	4.9	195	BLUE STAR HWY. (US 33)
2	4.6	173	78TH ST.
3	3.9	156	76TH ST. & 38TH AVE.
4	4.6	132	36TH AVE.
5	3.3	118	COUNTY RD. 378 (30TH AVE.)
6	1.8	152	77.5 ST. & 30TH AVE.
7	2.2	196	32ND AVE.
8	1.6	178	BLUE STAR HWY. (US 33)
9	.9	200	PALISADES PARK COUNTRY CLUB
10	1.8	124	28TH AVE. & 76TH ST.
11	1.6	107	76TH ST.
12	1.5	90	76TH ST. & 24TH ST.
13	1.7	65	76TH ST.
14	1.9	51	76TH ST.
15	3.7	74	72ND ST. & COUNTY RD. 380 (20TH AVE.)
16	3.6	90	72ND ST. & 24TH AVE.
17	10.0	98	COUNTY RD. 378
18	4.5	47	12TH AVE.
19	1.5	23	18TH AVE.
20	4.8	32	MICHIGAN 43 & BLUE STAR HWY. (US 33)
21	7.0	29	PHOENIX RD.
22	15.0	99	MICHIGAN 43
23	18.0	98	MICHIGAN 43
24	18.0	98	MICHIGAN 43

PALO VERDE

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING LOCATIONS

STATION	DIST(mi.)	DIR	DESCRIPTION
1	23.0	74	SCOTT LIBBY SCHOOL
2	21.0	92	LIBERTY SCHOOL
3	15.0	89	BUCKEYE
4	11.0	103	PALO VERDE SCHOOL
5	7.4	140	ARLINGTON SCHOOL
6	3.1	142	APS SUBSTATION
7	2.6	162	ELLIOT ROAD (2.2mi.W.OF 355TH AVE.)
8	2.6	168	ELLIOT ROAD RR CROSSING
9	2.6	193	ELLIOT & WINTERSBURG ROAD
10	3.1	215	ELLIOT ROAD RESIDENCE
11	1.7	200	1mi.N.ON WINTERSBURG RD(FROM ELLIOT RD.)
12	1.0	214	1.7mi.N. WINTERSBURG RD(FROM ELLIOT RD.)
13	.7	242	2mi.N. WINTERSBURG RD(FROM ELLIOT RD.)
14	.6	263	2.5mi.N. WINTERSBURG RD(FROM ELLIOT RD.)
15	.6	295	WINTERSBURG RD.(PALO VERDE GATE#2)
16	1.0	325	3.6mi.N.WINTERSBURG RD(FROM ELLIOT RD.)
17	1.8	347	4.7mi.N.WINTERSBURG RD(FROM ELLIOT RD.)
18	2.4	0	WINTERSBURG
19	1.5	18	ED THOMAS RESIDENCE
20	2.0	37	BUCKEYE-SALOME RD.(NEAR GATE#14)
21	2.3	58	GUY POLE(BUCKEYE-SALOME ROAD)
22	2.8	75	WM. ROGERS RESIDENCE
23	4.4	93	INTERSECT. BUCKEYE-SALOME&339TH AVE.
24	3.3	101	BASELINE ROAD&351ST AVE.
25	2.9	346	NEAR BUCKEYE_SALOME&WINTERSBURG RD.
26	4.3	334	INTERSECTION BUCKEYE-SALOME RD.&395TH AVE.
27	7.9	333	TONOPAH
28	7.0	0	RUTH FISHER SCHOOL
29	4.2	9	VAN BUREN&371ST AVE.
30	3.6	27	BUCKEYE ROAD & 363rd AVE.
31	3.5	49	BUCKEYE ROAD & 355TH AVE.
32	3.3	120	355TH AVE. & DOBBINS ROAD

PEACH BOTTOM

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING LOCATIONS

STATION	DIST(mi.)	DIR	DESCRIPTION
1	10.0	329	PEQUEA
2	10.0	31	QUARRYVILLE
3	4.7	22	RIVER ROAD
4	5.0	4	RIVER ROAD& SUSQUEHANNOCK ROAD
5	4.1	345	P.E. BIOLOGY LAB.
6	2.2	9	SUSQUEHANNOCK ROAD(BY THE RIVER)
7	2.5	22	BALD EAGLE ROAD
8	2.9	55	CHERRY HILL ROAD
9	2.0	45	CHERRY HILL ROAD (PAST 90 DEG. BEND)
10	1.7	63	FULTON WEATHER STATION
11	2.0	97	PETERS CREEK
12	2.3	107	PEACH BOTTOM
13	5.0	72	LINDECAMP RESIDENCE
14	4.6	86	PILOTOWN
15	4.3	110	PLEASANT GROVE CHURCH
16	4.7	130	ST. PATRICKS CHAPEL
17	9.0	158	DARLINGTON
18	4.6	163	BROAD CREEK
19	3.9	184	TABERNACLE CHURCH
20	4.9	203	MT. VERNON CHURCH
21	2.3	197	ORCHARD ROAD
22	1.7	183	KRICK ROAD
23	1.8	190	ORCHARD CAMPGROUND
24	1.8	222	ROUTE 623&PEACH BOTTOM ROAD
25	1.7	248	WILEY ROAD
26	1.8	268	AILES ROAD
27	1.9	288	AILES AND PAPER MILL ROAD
28	1.8	323	COLD CABIN BEACH
29	3.6	286	ROUTE 74 AND PAPER MILL ROAD
30	4.0	264	SCOTT CREEK
31	9.9	262	REID RESIDENCE
32	3.2	248	LAY ROAD
33	9.4	235	DELTA SUBSTATION
34	4.9	319	ROUTE 372 BRIDGE
35	.7	151	TRAILER(NEAREST RESIDENT)
36	16.0	148	HAVRE DE GRACE(MD.)
37	16.0	148	HAVRE DE GRACE (MD.)
38	16.0	148	HAVRE DE GRACE (MD.)

PERRY

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING LOCATIONS

STATION	DIST(mi.)	DIR	DESCRIPTION
1	5.0	72	CHAPEL ACROSS FROM REDBIRD RD.
3	5.5	88	HUBBARD RD.-NEAR RT. 20
4	6.0	112	HUBBARD RD (LAKE ST) NEAR RT 84
5	4.0	130	WOOD & S. RIDGE RD (RT 84)
6	5.0	155	TURNEY & RIVER RD
7	5.2	178	WEBB & RIVER RD
8	4.6	205	LANE RD AT RR TRACKS
9	5.2	220	HALE & LEE RDS(NEAR SCH.)
10	7.4	225	FOBES ST-PAINESVILLE NEAR RT 20
11	5.8	240	HARDY RD BY LAKE ERIE
12	19.0	225	ST CLAIR CEI SUBSTATION
13	19.0	225	ST CLAIR CEI SUBSTATION
14	12.0	212	AUBURN-CONCORD RDS
15	1.4	248	PARMLY RD PARK BY L. ERIE
16	.8	225	PARMLY RD ACROSS FM SUBSTATION
17	.7	205	PARMLY RD ACROSS FR TEST FAC.
18	.8	180	PARMLY RD ENTRANCE TO PARK LOT
19	1.6	152	RT 20 NEAR PARMLY RD
20	1.6	123	RT 20 - ANTIOCH RD
21	1.4	105	2941 ANTIOCH RD (HOME)
22	1.2	85	2828 ANTIOCH RD (HOME)
23	1.4	65	ANTIOCH RD
24	.6	40	END LOCKWOOD CIR.
25	.6	40	LOCKWOOD RD
26	2.8	182	3911 CENTER RD - PERRY
27	2.8	175	4274 MANCHESTER ST - PERRY

PILGRIM

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING LOCATIONS

STATION	DIST(mi.)	DIR	DESCRIPTION
1	.1	288	PILGRIM OVERLOOK
2	.2	310	STATION PARKING AREA
5	.7	289	ROCKY HILL ROAD
6	1.7	261	ROCKY HILL ROAD
7	.5	270	ROCKY HILL ROAD
8	.3	247	ROCKY HILL ROAD
9	.3	224	ROCKY HILL ROAD
10	.3	205	ROCKY HILL ROAD
11	.3	184	ROCKY HILL ROAD
12	.4	159	ROCKY HILL ROAD
13	.7	146	ROCKY HILL ROAD
14	1.0	155	ROCKY HILL ROAD
16	1.3	136	WHITE HORSE BEACH
18	.8	212	CLEFT ROCK & Rt 3A
19	1.0	232	Rt 3A
21	1.6	256	Rt 3A
22	2.5	130	MANOMET POINT
23	3.4	146	MANOMET ELEMENTARY
25	1.5	168	Rt 3A
26	1.3	180	Rt 3A
27	1.8	231	DOTON ROAD
30	2.2	153	NEW BEDFORD SUBSTATION
31	2.5	179	BEAVER DAM ROAD
32	2.6	217	OLD SANDWICH ROAD
33	2.5	234	SANDWICH & CLIFFORD
37	4.2	264	SANDWICH ROAD SUBSTATION
38	3.5	152	CHURCH HILL LANDING
39	5.3	155	SURFSIDE BEACH
40	4.6	272	JORDAN HOSPITAL
42	4.6	281	PLYMOUTH LIBRARY
43	5.8	291	NORTH PLYMOUTH
47	26.0	301	WEYMOUTH
48	26.0	301	WEYMOUTH
49	26.0	301	WEYMOUTH

PRAIRIE ISLAND

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING LOCATIONS

STATION	DIST(mi.)	DIR	DESCRIPTION
1	17.0	312	HASTINGS (MN)
2	15.0	310	HASTINGS (MN)
3	15.0	310	HASTINGS (MN)
4	5.5	308	COUNTY RD. 18
5	4.1	297	COUNTY RD. 18
6	1.3	287	COUNTY RD. 18
7	.8	313	COUNTY RD. 18/RD. TO RESERVATION
8	.5	244	COUNTY RD. 18
9	.6	194	COUNTY RD. 18
10	.5	155	SUTER RESIDENCE
11	1.6	129	LOCK & DAM 3
12	1.4	153	COUNTY RD. 18
13	.6	217	COUNTY RD. 18
14	.3	178	COUNTY RD. 18
15	1.9	272	SOUTH ACCESS RD.
16	4.6	262	NW OF US. 61/COUNTY RD. 18
17	4.3	250	U.S. 61
18	4.1	225	Y - INTERSECT.SECTIONS 13/14/23/24 ADJOIN
19	6.7	233	COUNTY RD. 7 IN WELCH
20	4.9	200	LEESON LANE
21	4.7	187	T - INTERSECTION BETWEEN SECTIONS 29 & 32
22	4.4	160	COUNTY RD. 53
23	4.7	140	TYLER RD.
24	6.6	131	RED WING (CITY HALL)
25	4.9	117	TIMBERLANE RD.
26	1.9	88	LOWER RIVER RD.
27	1.8	69	LOWER RIVER RD.
28	1.6	47	LOWER RIVER RD.
29	1.5	19	LOWER RIVER RD.
30	1.9	356	LOWER RIVER RD.
31	2.4	346	WIND RIVER RD.
32	3.8	340	HOLST RD./AVERY AVE.
33	4.6	8	OAK RIDGE RD./SPRING GREEN RD.
34	4.7	17	COUNTY RD 00
35	11.0	45	ELLSWORTH (WI)
36	4.7	48	COUNTY RD. K
37	4.2	61	NELSON DR.
38	4.9	86	FISHER COULEE RD.
39	9.1	107	HWY. 35 (WI)
40	3.7	111	COUNTY RD. K

QUAD CITIES

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING LOCATIONS

STATION	DIST(mi.)	DIR	DESCRIPTION
1	.7	7	RIVER RD.
2	1.2	17	RIVER RD.
3	1.7	45	222 AVE.
4	1.1	65	HWY. 84
5	.8	90	HWY. 84
6	1.1	136	192ND AVE.
7	1.8	175	178TH AVE.
8	2.0	157	236TH ST.
9	3.1	186	9TH ST.
10	7.7	138	AGNES ST.
11	4.2	156	COUNTY RD. BB
12	4.8	142	COUNTY RD. BB
13	3.3	121	266TH ST.
14	2.0	114	192ND AVE.
15	2.8	86	206TH AVE.
16	4.4	62	MEREDOSIA RD.
17	6.1	48	PEARL ST.
18	8.8	39	CLINTON (IA)
19	4.7	36	13TH AVE.
20	4.3	16	COUNTY RD. F21
21	4.2	358	COUNTY RD. F21
22	4.1	336	RD. IN SECTION 35 (T.81N.-R.5E)
23	5.7	337	4TH ST. (LOW MOOR)
24	4.4	317	RD. IN R.5E (T.81N & T.80N)
25	4.1	295	COUNTY RD. Z36
26	6.9	282	COUNTY RD Z30
27	4.3	265	RD. BETWEEN SECTIONS 20 & 21 IN T.80N-R.5E
28	4.0	253	COUNTY RD. F33
29	2.8	356	U.S. 67
30	1.9	335	HANSON'S BOAT DOCKS
31	2.6	317	U.S. 67
32	2.5	295	U.S. 67
33	2.0	266	PRINCETON WILDLIFE AREA
34	2.2	248	GRAVEL RD. WEST OF PLANT
35	2.6	229	GRAVEL RD. WEST OF PLANT
36	3.4	204	RIVER DRIVE
37	8.3	194	U.S. 67 (LeCLAIRE)
38	4.6	224	COUNTY RD. F45
39	15.0	301	DEWITT (IA)
40	15.0	301	DEWITT (IA)
41	15.0	301	DEWITT (IA)

RANCHO SECO

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING LOCATIONS

STATION	DIST(mi.)	DIR	DESCRIPTION
1	16.0	288	ELK GROVE BLVD.
2	12.0	239	ELM AVE.
3	16.0	213	N. CLUFF AVE.
4	9.9	149	FISH HATCHERY
5	8.2	108	HWY. 88
6	10.0	86	PRESTON SCHOOL
7	9.7	83	FOREST FIRE ACADEMY
8	7.1	37	CARBONDALE RD.
9	.8	65	MARCIEL PROPERTY
10	.7	43	PLANT ACCESS RD.
11	.2	92	NPP VISITOR CENTER
12	1.6	131	RESERVOIR UTILITY SHED
13	.6	358	HWY. 104 N. OF PLANT
14	.7	323	HWY. 104 & R.R. SPUR
15	.7	151	CLAY EAST RD. (END)
16	.9	219	CLAY EAST RD. SW OF PLANT
17	1.5	245	KIRKWOOD ST.
18	2.3	254	'OLD' CLAY STATION RD.
19	7.0	323	TARVENOR RD.
20	6.3	309	ROGER MILLER RESIDENCE
21	5.7	279	WOODS RD.
22	6.4	244	HWY. 104 & ALTA MESA RD.
23	4.6	217	BORDEN RD.
24	11.0	350	KEIFER RD.
25	17.0	318	BRADSHAW RD.
26	22.0	311	HOWE AVE.
27	27.0	306	3RD ST. (SACRAMENTO)
28	27.0	306	3RD ST. (SACRAMENTO)
29	27.0	306	CALIFORNIA RAD. HEALTH OFFICE
30	27.0	306	CALIFORNIA RAD. HEALTH OFFICE

ROBINSON

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING LOCATIONS

STATION	DIST(mi.)	DIR	DESCRIPTION
1	.2	191	0.1 MILES S. OF VISITORS CENTER
2	1.9	151	HWY. 151 (1.7 MILES S. OF RT. 23)
3	2.0	134	RT. 39 (150 YARDS S. OF RAILROAD TRACKS)
4	1.9	119	RT. 824 (0.4 MILES N. OF RT. 39)
5	2.1	89	RT. 824 (1.5 MILES N. OF RT. 39)
6	1.0	65	RT. 39 (0.5 MILES N. OF RT. 23)
7	1.8	46	RT. 39 & RT. 737
8	1.9	27	RT. 737 (EASTERLINGS LANDING RD.)
9	3.5	22	RT. 21 & RT. 752
10	5.0	0	RT. 346 (0.5 MILES W. OF RT. 46)
11	4.8	51	RT. 20 (3.1 MILES S. OF RT. 346)
12	4.1	67	RT. 20 (0.2 MILES S. OF LOOKOUT TOWER)
13	4.5	87	JOHNSONS FENCE & AWNING
14	5.0	109	HWY. 15 AT ST. MARYS CHURCH/SCHOOL
15	4.8	118	W. CAROLINA AVE. & ARMORY ST.
16	5.3	138	MILLER RD.
17	17.0	115	HWY. 151 (DARLINGTON)
18	12.0	199	HWY. 15 (BISHOPVILLE)
19	4.8	208	RT. 13 (100 YARDS N. OF RT. 14)
20	4.0	225	RT. 85 (1.6 MILES N. OF RT. 14)
21	4.6	178	RT. 772 (KELLYBELL CH.)
22	3.7	167	RT. 12 AT KELLYTOWN CH.
23	2.3	181	RT. 53 & RT. 200
24	2.0	194	RT. 53 AT HVT LINES
25	2.1	228	GUM SWAMP CH.
26	1.5	245	RT. 761 (0.5 MILES N. OF RT. 23)
27	1.8	273	RT. 761 (1.3 MILES N. OF RT. 23)
28	2.0	287	RT. 761 & RT. 176
29	1.6	311	HWY. 151 & RT. 176
30	1.9	334	RT. 172 (0.6 MILES E. OF HWY. 151)
31	1.8	353	MARGINAL RD.
32	4.0	333	RT. 346 AT RAILROAD TRACKS
33	4.7	318	HWY. 151 AT RT. 711
34	6.9	310	HWY. 151 (McBEE)
35	4.0	295	RT. 711 (1.9 MILES S. OF HWY. 151)
36	4.8	269	RT. 31 AT UNION CH.
37	4.6	252	RT. 23 AT RT. 722
38	10.0	274	HWY. 341 (BETHUNE)
39	15.0	286	HWY. 341 (5 MILES NW OF HWY. 1)
40	16.0	289	HWY. 341 AT RT. 42)
41	17.0	291	HWY. 341 (1.3 MILES NW OF RT. 42)

ST.LUCIE

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING LOCATIONS

STATION	DIST(mi.)	DIR	DESCRIPTION
1	.3	20	RT. A1A - BIG MUD CREEK
2	.2	45	RT. A1A
3	.2	67	RT. A1A
4	.3	92	RT. A1A
5	.4	115	RT. A1A
6	1.1	143	RT. A1A
7	2.0	150	RT. A1A
8	4.7	154	RT. A1A - OCEANA CONDOMINIUMS
9	22.0	152	HOBE SOUND
10	22.0	152	HOBE SOUND
11	22.0	152	HOBE SOUND
12	14.0	168	PORT SALERNO
13	10.0	185	STUART
14	11.0	183	STUART SUBSTATION
15	8.0	170	JENSEN BEACH
16	7.0	196	JENSEN BEACH SUBSTATION
17	7.9	229	PORT ST. LUCIE
18	6.6	250	PORT ST. LUCIE BAPTIST CHURCH
19	4.8	247	RT. 1
20	5.0	229	RT. 1 & WALTON RD.
21	3.8	208	WALTON RD.
22	3.8	187	RT. 707
23	2.6	203	RT. 707
24	1.9	245	RT. 707
25	2.2	280	RT. 707
26	3.1	299	RT. 707
27	3.8	305	RT. 707 & RT. 712
28	4.0	276	SILVER OAK DR.
29	5.8	293	WHITE CITY SUBSTATION
30	7.7	316	SUNRISE BLVD. & VIRGINIA AVE.
32	10.0	300	UNIV. OF FLA. AGRICULTURAL RESEARCH CENTER
33	8.7	322	ST. LUCIE COUNTY HEALTH DEPT.
34	8.8	339	RT. A1A & HERNANDO ST.
35	2.9	342	RT. A1A
36	1.9	346	RT. A1A - LITTLE MUD CREEK
37	1.0	353	RT. A1A - BLIND CREEK
38	2.0	226	RT. 707

SALEM

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING LOCATIONS

STATION	DIST(mi.)	DIR	DESCRIPTION
2	3.4	79	ALLOWAY CREEK NECK ROAD
3	3.6	72	ALLOWAY CREEK NECK ROAD
4	4.2	58	BUTTONWOOD AVE.
5	4.9	54	LOWER ALLOWAY CREEK TOWNSHIP BLDG.
6	8.6	68	TATTLETOWN JERICHO RD.
7	5.7	40	LOCUST ISLAND ROAD
8	11.0	116	GREENWICH N.J.
10	5.8	8	FT. ELFSBORG ROAD
11	8.1	15	SINNICKSON LANDING RD.
12	8.6	24	NORTH SALEM(N.J.)
13	8.6	49	QUINTON TOWNSHIP BLDG.
14	6.7	90	LOWER ALLOWAY ELEMENTARY SCHOOL
15	6.4	105	STOW NECK ROAD
17	4.2	331	PORT PENN(DEL.)
18	3.8	320	AUGUSTINE BEACH(DEL.)
19	3.4	299	BAY VIEW BEACH
20	0.0	330	GETTY OIL CO.
21	3.6	276	ROUTE#9
22	4.7	266	NEAR EMERSON FARM
23	4.4	257	THOMAS LANDING
24	4.4	240	BOLTON FARM
25	4.9	217	TAYLORS BRIDGE
26	3.9	204	EAST OF TAYLORS BRIDGE
27	4.2	188	E. OF TAYLORS BRIDGE(ROADS END)
28	20.0	319	NEWARK(DEL.)
29	6.7	265	ODESSA
30	12.0	353	NEW CASTLE
31	18.0	0	WILMINGTON(DEL.)
32	8.1	338	DELAWARE CITY MARINA
33	9.8	265	NATIONAL GUARD ARMORY (MIDDLETOWN)
34	13.0	270	SMYRNA(DEL)

SAN ONOFRE

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING LOCATIONS

STATION	DIST(mi.)	DIR	DESCRIPTION
1	35.0	346	FEATHERLY PARK
2	35.0	346	FEATHERLY PARK
3	35.0	346	FEATHERLY PARK
4	11.0	327	S. COAST HOSPITAL
5	14.0	308	FIRE STATION
6	10.0	307	DANA PT. HARBOR
7	6.3	318	GAS & ELECTRIC OFFICE (SAN CLEMENTE)
8	5.1	322	CIVIC CTR. (SAN CLEMENTE)
9	3.3	311	CONCORDIA SCHOOL
10	3.3	331	SAN MATEO RD.
11	2.6	300	U.S. COAST GUARD
12	.5	285	SAN ONOFRE SURFING BEACH
13	2.4	320	SAN CLEMENTE RANCH HEAD
14	1.7	320	SAN ONOFRE ELEMENTARY SCHOOL
15	1.2	333	SAN ONOFRE MOBILE HOME PARK
16	1.9	30	BASILONE RD.
17	1.3	8	BASILONE RD.
19	2.9	55	CAMP SAN ONOFRE
20	4.1	77	CAMP HORNO
21	4.7	87	CAMP HORNO
22	3.4	25	SAN MATEO RD.
23	3.5	357	CAMP SAN MATEO
24	.4	25	OLD RT. 101
25	.4	81	OLD RT. 101
26	2.1	126	BORDER PATROL STATION
27	8.6	130	STUART MESA RD. AREA
28	8.9	99	CAMP LOS PULGAS
29	11.0	135	STUART MESA RD.
30	2.0	126	SAN ONOFRE STATE CAMPING AREA
31	3.7	128	SAN ONOFRE STATE PARK
32	22.0	140	OCEANSIDE FIRE STATION
33	26.0	120	VISTA COUNTY OFFICES

SEABROOK

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING LOCATIONS

STATION	DIST(mi.)	DIR	DESCRIPTION
1	.7	157	END OF RAILROAD AVE.
2	.7	179	CAUSEWAY ST.
3	.7	199	DIRT ROAD OFF DEPOT RD.
4	.9	223	RR OVERPASS ON DEPOT RD.
5	1.2	244	PINE ST.& RT.1A
6	1.0	293	PAGES LANE
7	.5	275	ROCKS RD.
8	2.8	317	BRIMERS LANE
9	1.6	331	LINCOLN AKERMAN SCH.
10	1.9	358	JERRY'S RESTAURANT
11	2.6	20	WINNACUNNET HIGH SCHOOL
12	2.1	50	GLADE PATH ROD.
13	1.7	82	N.H. LOBSTER CO.
14	4.1	43	SCRUB-A-DOB LAUNDRY
15	4.0	0	RT. 101C & RT. 51
16	12.0	20	N. CONGRETATIONAL PARISH
17	7.3	322	EXETER
18	3.9	292	DOW LANE
19	9.9	269	LOCUST ST.
20	4.2	253	RT. 150 AND STREAM
21	4.7	232	MT. PROSPECT CEMETERY
22	6.1	213	ST. MARYS CEMETERY
23	6.6	189	COFFIN COURT
24	7.2	166	PLUM ISLAND
25	4.1	177	LONG HILL CEMETERY
26	4.0	159	E TO Z PARKING
27	2.4	138	SEABROOK BEACH
28	4.4	117	RIVER ST.
30	2.1	66	ASHWORTH AVE.
31	5.4	336	PHINNEY LANE
32	18.0	237	WESTVIEW CEMETARY
33	18.0	237	LAWRENCE(MASS.)
34	18.0	237	LAWRENCE(MASS.)

SEQUOYAH

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING LOCATIONS

STATION	DIST(mi.)	DIR	DESCRIPTION
1	11.0	218	KINGS PT. RD. & HWY. 75
2	13.0	206	SHALLOWFORD RD. & HWY. 153
3	3.9	203	HARRISON BAY STATE PARK
4	2.0	199	MORNING GLORY FARMS
5	1.4	181	ORR SLOUGH
6	1.5	153	9420 HARRISON BAY RD.
7	1.9	139	HARRISON BAY RD. AT BIRCH PIKE
8	1.8	115	NEAR IGOU FERRY RD.
9	1.6	84	10404 BIRCHWOOD PIKE
10	1.3	65	BIRCHWOOD PIKE AT LYNN RD.
11	1.5	45	TVA PUBLIC USE AREA
12	2.0	14	WARE BRANCH LANE
13	2.1	2	6304 DOGWOOD DR.
14	3.9	19	HENRY RD.
15	4.0	48	GAMBLE RD. (BOX 279)
16	4.9	65	GAMBLE RD.
17	3.9	90	DOLLY POND ROAD
18	3.4	111	NEW SHEPHERD HILL CHURCH
19	3.4	135	TVA SUBSTATION
20	3.4	158	BIRCHWOOD PIKE
21	4.6	184	RAMSEY TOWN RD.
22	10.0	233	NORTHGATE MALL
23	4.9	219	GOLD PT. CIRCLE RD.
24	4.3	241	DALLAS SCHOOL
25	2.0	235	BASE BAY MARINA
26	1.5	248	N. OF BASE BAY MARINA
27	1.2	266	HIXSON PIKE & IGOU FERRY RD.
28	1.2	291	HIXSON PIKE N. OF IGOU FERRY RD.
29	1.2	309	EXXON STATION
30	.5	330	IGOU FERRY RD. & STONESAGE RD.
31	1.8	339	STONESAGE RD. AT POINT PLACE RD.
32	4.9	355	ARMSTRONG RD.
33	3.6	334	CERA CLUB
34	4.4	317	DALLAS HOLLOW RD.
35	5.6	277	SODDY-DAISY OFF DEPOT RD.
36	3.6	283	JOHN H. ALLEN SCHOOL
37	4.4	273	SEQUOYHA HEALTH CENTER
38	19.0	302	FIRST BAPTIST CHURCH (DUNLAP)
39	18.0	290	HWY. 127 & HWY. 28
40	18.0	289	HWY. 127 S. OF DUNLAP
41	6.1	318	SODDY ELEMENTARY SCHOOL

SHOREHAM

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING LOCATIONS

STATION	DIST(mi.)	DIR	DESCRIPTION
1	10.0	262	MATHOR MEM. HOSP.
2	4.4	268	LONG VIEW AVE.
3	3.2	256	JUPITER & KING RD.
4	2.1	268	BRIARCLIFF SCH
5	1.7	243	MILLER AVE SCH.
7	1.5	136	DOGWOOD DR.
8	.9	116	DANBY RESIDENCE
9	.8	910	PONDVIEW RD.
10	.7	730	SUNSET BLVD
11	.7	62	OAK ST.
12	1.6	75	ORPHANAGE
13	2.1	88	WILDWOOD STATE PARK
14	4.6	119	SOUTH PATH RD.
15	10.0	110	PULASKI ST.
16	14.0	138	WESTHAMPTON CH.
17	11.0	162	CENTER MORICHES
18	11.0	170	MASTIC FIRE DEPT.
19	5.1	189	BROOKHAVEN LABS
21	2.5	163	LAKE PANAMOKA
22	1.5	149	GATEWAY DR.
23	1.3	177	E. OF RANDALL RD
24	1.2	196	FENCEHILL RD
25	1.5	217	HUCK FINN LN.
26	4.6	215	WHISKEY RD.
27	4.2	205	RIDGE SCH.
28	11.0	233	SELDON
29	12.0	224	FARMINGVILLE
30	14.0	202	HAGERMAN FIRE CO.
31	15.0	210	PATCHOGUE
32	15.0	210	PATCHOGUE
33	15.0	210	PATCHOGUE
34	.2	27	END OF SOUND RD.
35	.3	50	FIELD & TENNIS CLUB
36	3.9	133	GRUMAN AIRPORT

SUMMER

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING LOCATIONS

STATION	DIST(mi.)	DIR	DESCRIPTION
1	3.7	199	WICKER'S STORE
2	1.0	111	RT. 311 (0.3 MILES W. OF RT. 215)
3	4.1	340	RT. 257 & RT. 383
4	9.3	192	RT. 215 (0.5 MILES N. OF RT. 113)
5	1.8	72	WHITE HALL SCHOOL
6	1.5	54	RT. 224 (0.5 MILES N. OF RT. 213/215)
7	3.0	46	RT. S.20.359
8	3.0	31	RT. 213/215 (0.5 MILES N. OF RT. 359)
9	3.9	13	RT. 215 & RT. 11
10	4.0	7	RT. 11 (3.7 MILES W. OF RT. 215)
11	4.3	349	RT. 11 (0.7 MILES E. OF RT. 257)
12	5.0	323	RT. 651 (2.2 MILES W. OF RT. 257)
13	3.0	333	RT. 257 (2.3 MILES S. OF RT. 283)
14	2.8	255	RT. 28 (CANNONS CREEK)
15	5.6	308	RT. 28 & RT. 97)
16	3.5	64	OLD BRICK CH.
17	3.1	98	RT. 247
18	3.5	114	STELLA HILL RESIDENCE
19	2.0	132	RT. 213/215
20	4.5	152	LOOKOUT TOWER RD.
21	4.1	133	ROCK HILL CH.
22	2.4	157	RT. 213
23	2.4	173	RT. 216
24	3.9	185	MOUNT HERMAN CH
25	3.3	210	RT. 28 (0.8 MILES N. OF RT. 213)
26	3.3	217	RT. 28 (1.2 MILES N. OF RT. 213)
27	3.1	231	RT. 28 (2.1 MILES N. OF RT. 213)
28	2.7	267	RT. 28 (1.6 MILES N OF RT. 33)
29	3.4	276	RT. 98 (0.5 MILES W. OF RT. 28)
30	3.8	293	PARR RESERVOIR
31	3.6	244	RT. 33 (0.8 MILES W. OF RT. 28)
32	6.2	247	POMARIA FIRE DEPT.
33	9.0	218	RT. 202 & RT. 76
34	9.3	192	RT. 76 & CLARK ST.
35	14.0	184	RT. 270 & PUTNAM RD.
36	14.0	183	RT. 270 (0.5 MILES S. OF PUTNAM RD.)
37	14.0	182	RT. 270 & RT. 1254
38	20.0	148	MAJIK MARKET
39	25.0	140	S.C. DEPT. OF HEALTH
40	23.0	135	RT. 321 & BUCKNER ST.

SURRY

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING LOCATIONS

STATION	DIST(mi.)	DIR	DESCRIPTION
1	18.0	118	HAMPTON COLISEUM
2	17.0	129	NEWPORT NEWS
3	16.0	162	N. SIDE JAMES R. (RT. 258)
4	16.0	162	SMITHFIELD SQ. SHOPPING CTR.
5	5.1	156	RUSHMERE SHORES
6	4.1	189	RT. 628 & RT. 617
7	2.2	202	CHIPPOAKS PLANTATION
8	1.6	183	RT. 650 & PUBLIC BOAT LANDING
9	.2	243	0.2 MILES S. SURRY MAIN GATE
10	.1	269	0.1 MILES S. SURRY MAIN GATE
11	.1	304	SURRY MAIN GATE
12	.2	334	0.1 MILES N. SURRY MAIN GATE
13	1.2	10	RT. 650 (1 MILE N. OF SURRY MAIN GATE)
14	2.0	21	HOMEWOOD & VA AIR SAMPLER
15	4.5	203	BARONS CASTLE CH.
16	3.7	224	RT. 634 & RT. 633
17	2.0	212	CHIPPOAKS PLANTATION (WEST)
18	5.1	248	ALLIANCE INTERSECTION
19	8.1	259	SURRY COUNTY CIVIL DEFENSE
20	5.0	285	SCOTLAND FERRY DOCK
21	4.1	270	RT. 636 & RT. 637
22	12.0	123	HIDEN BLVD. & MADISON W.
23	11.0	102	PATRICK HENRY AIRPORT
24	4.9	106	WAGNER BLDG.
25	5.2	90	FORT EUSTICE
26	5.1	69	BADISCHE CORP.
27	5.3	23	BUSCHE GARDENS
28	5.0	49	RT. 667 (0.4 MILES OFF RT. 1)
29	6.8	7	RT. 637 (TRAILER PARK)
30	6.5	359	WILLIAMSBURG SEWAGE PLANT
31	4.6	1	COLONIAL NAT. HISTORIC PKWY.
32	3.8	332	NATIONAL MEMORIAL PARK SIGN
33	5.4	314	NATIONAL PARK MAINTENANCE AREA
34	6.4	308	JAMESTOWN FESTIVAL PARK
35	5.3	348	WILLIMSBURG JAMESTOWN AIRPORT
36	14.0	343	RT. 60 & RT. 607
37	15.0	340	RT. 60 & BUSH SPRING RD.
38	15.0	339	RT. 60 & CHICK HOMING ST.
39	1.9	153	PUBLIC BOAT LANDING RD.
40	2.1	144	PUBLIC BOAT LANDING

SUSQUEHANNA

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING LOCATIONS

STATION	DIST(mi.)	DIR	DESCRIPTION
1	1.4	19	LUZERNE APPAREL CO.
2	1.4	0	MINGLE INN ROAD
3	1.7	333	HIGH TENSION LINES
4	1.7	318	MINGLE INN ROAD TRAILER PARK
5	1.7	287	WALKER RUN CREEK
6	1.3	270	WALKER RUN CREEK
7	1.8	239	INTERSECTION WSW OF PLANT
8	2.0	217	SALEM TOWNSHIP FIRE CO.
9	1.4	200	CAR-MAR(INC.)
10	1.2	175	HIGH TENSION LINES
11	5.1	243	BERWICK SUBSTATION
12	4.7	252	BERWICK HOSPITAL
13	3.4	274	JUNKYARD
14	3.6	286	0.7 MI. N. OF JUNKYARD
15	3.8	2	WEST END COAL CO.
16	4.1	334	NEAR RED BARN
17	4.4	312	SHICKSHINNEY VALLEY CHURCH
18	4.9	32	THE HIDEOUT
19	9.9	45	SHEATOWN
20	4.8	65	SW OF SLOCUM
21	3.1	44	POND HILL FIRE HOUSE
22	.7	47	INFORMATION CENTER
23	1.2	65	STONE CRUSHER TRAIL
24	1.4	87	S. OF STONE CRUSHER TR.
25	1.4	108	N. OF WAPWALLOPEN
26	1.5	137	HELLERS ORCHARD
27	1.5	152	POST OFFICE
28	3.7	108	ST. PETER'S REFORMED CHURCH
29	4.3	102	GOOD SCHOOL HOUSE
30	4.3	140	SMALL STONE BRIDGE
31	3.4	162	BRIGGSVILLE COMMUNITY CENTER
32	3.5	176	NEAR CIVIL SIREN POLE
33	3.1	192	MT. ZION CHURCH
34	4.4	231	MAPLE ST.
35	12.0	134	HAZELTON
36	13.0	114	FREELAND
37	15.0	150	MC ADOO

THREE MILE ISLAND

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING LOCATIONS

STATION	DIST(mi.)	DIR	DESCRIPTION
1	5.9	95	ROUTE 241 AND TURNPIKE ROAD
2	3.9	101	TURNPIKE ROAD AND BOSSLER ROAD
3	2.7	109	FALMOUTH AND HILLSDALE ROAD
4	1.8	163	MC CANN RESIDENCE
5	2.2	161	COLLINS SUBSTATION
6	1.0	150	RED HILL FARM STAND
7	.6	136	500 KEV SUBSTATION
8	.4	83	ROUTE 441 AND MEADOW LANE
9	.5	60	ROUTE 441 AND LAUREL ROAD
10	1.7	1	1.5 MILE NORTH OF STATION 9
11	.9	25	BUCKLOCK MARKET
12	2.8	46	GINGRICH ROAD
13	5.2	19	HILLSDALE DRIVE
14	2.5	358	GRUBB STREET
15	9.0	133	CARGILL TANKS
16	3.1	0	RACE AND CONEWAGO STREETS
18	3.5	349	GRANDVIEW ELEMENTARY
19	3.2	343	PENN STATE CAMPUS
20	5.0	318	HIGHSPIRE
21	1.3	348	MANSBERGER ELEMENTARY
22	3.1	17	STARLITE MOTEL
23	3.8	64	ROUTE 230 AND DEODATE ROAD
24	3.6	44	LONDONBERRY ELEMENTARY
25	.5	335	KOHR ISLAND
27	7.4	6	VINE STREET AND ROUTE 322
29	.4	293	SHELLY ISLAND
30	1.2	317	HILL ISLAND
31	9.6	306	MEADOWBROOK ROAD
32	7.4	297	OLD YORK ROAD AT THE TURNPIKE
33	5.9	301	MARSH RUN ROAD
34	2.3	267	ROUTE 262/YOCUMTOWN ROAD
35	1.8	299	STILL HOUSE ROAD
36	1.2	267	GOLDSBORO BOAT RAMP
37	1.4	256	GOLDSBORO CEMENT BRIDGE
38	1.9	225	ROUTE 262 AND RIVER ROAD
39	2.1	200	ROUTE 262E BY THE R.R. TRACKS
40	2.5	204	ROUTE 295 AND 382
41	13.0	185	YORK SUBSTATION
42	7.3	259	ROUTE 382W AND ROUTE 177
43	5.8	268	ROUTE 392E(.4Mi FROM ROUTE 177)
44	4.7	263	ROXBERRY AND LEWISBERRY SCHOOL
45	.5	230	BEECH ISLAND NORTH
46	3.0	177	LANDVALE ST. & PA. AVE.
47	5.7	177	GEORGE STREET AND MEETING HOUSE ROAD
48	9.0	182	ROUTE 181S AND ROUTE 238W
49	.9	206	BEECH ISLAND SOUTH

TROJAN

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING LOCATIONS

STATION	DIST(mi.)	DIR	DESCRIPTION
1	.6	340	SCHOOL ST. (END)
2	1.5	334	THOMPSON RESIDENCE
3	1.7	340	JACK FALLS RD.
4	3.9	328	HWY. 30 NEAR RAINIER
5	4.6	308	FERNHILL RD.
6	4.5	312	FERNCREST DRIVE
7	4.6	267	ZIMMER RD.
8	3.8	274	HUTCHI ^N RD.
9	1.7	279	NEER CITY RD.
10	2.0	263	BROWNLEE RD.
11	1.6	245	LIRES RESIDENCE
12	1.2	223	NEER CITY RD. & P-45
13	1.1	196	CEMETERY RD.
14	1.2	180	NEER'S RESIDENCE
15	1.7	165	NICOLAI RD.
16	3.9	212	FAIRVIEW RD.
17	3.5	230	WALKER RD.
18	9.3	162	REICHHOLD CHEMICALS
19	5.0	172	TIDE CR. RD.
20	5.8	334	LONGVIEW (WASHINGTON)
21	5.5	345	TENNANT RD.
22	5.5	356	TALLEY RD.
23	3.9	8	SIGNS FOR THE LORD
24	3.7	15	ROSE VALLEY RD.
25	1.9	27	CARROLLS BLUFF
26	2.1	37	MT. PLEASANT RD.
27	2.9	60	MT. PLEASANT CEMETERY
28	4.5	55	NEAR KOOL RD.
29	1.6	69	OLD 99 SOUTH
30	3.9	83	SALMON FISH HATCHERY
31	2.7	93	SPENCER CR. RD.
32	2.2	119	OLD 99 SOUTH (N. OF ELM)
33	5.3	106	CHINA GARDEN RD.
34	2.5	134	SPENCER CR. RD
35	4.7	145	OLD 99 SOUTH NEAR KILKELLY RD.
36	17.0	270	HWY. 47
37	17.0	270	HWY. 47
38	17.0	270	HWY. 47

TURKEY POINT

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING LOCATIONS

STATION	DIST(mi.)	DIR	DESCRIPTION
1	1.3	310	SITE RD. & PALM DR.
2	2.4	292	PALM DR (1.2 MILES W. OF SITE RD.)
3	1.9	340	HOMESTEAD BAYFRONT PARK
4	2.0	354	HOMESTEAD BAYFRONT PARK (BOAT LAUNCH)
5	3.8	314	WAREHAUSER SHRIMP FARM
6	4.2	331	S. ALLAPATTAH DR.
7	5.4	291	N. CANAL DR. & TALLAHASSEE RD.
8	5.1	263	S. OF CANAL DR. ON TALLAHASSEE RD.
9	5.7	242	TALLAHASSEE RD. (4.5 MILES S. OF CANAL RD.)
10	6.2	234	TALLAHASSEE RD. (5.6 MILES S. OF CANAL RD.)
11	6.2	220	OFF TALLAHASSEE RD. ON DIRT RD. WITH STEEL BARR
12	6.9	213	OFF TALLAHASSEE RD. ON DIRT RD. AT LEVEE
13	10.0	199	CARD SOUND RD.
14	10.0	190	CARD SOUND RD. AT BARNES PT.
15	10.0	180	CARD SOUND RD. AT STEAMBOAT CR.
16	10.0	171	CARD SOUND RD. (RT. 905)
17	9.0	165	KEY LARGO CLUB GATEHOUSE
18	16.0	203	HWY. 1 (6 MILES N. OF RT. 905)
19	16.0	203	HWY. 1 (6.4 MILES N. OF RT. 905)
20	16.0	203	HWY. 1 (6.4 MILES N. OF RT. 905)
21	8.7	268	NAVY SECURITY COMPLEX
22	8.0	256	CARD SOUND RD. (2.2 MILES E OF RT. 1)
23	9.0	275	HWY. 1 (1 MILE N. OF CARD SOUND RD.)
24	9.0	285	HWY. 1 & MOWRY ST.
25	8.7	293	HWY. 1 & KINGS HWY.
26	8.4	301	HWY. 1 & BISCAYNE BLVD.
27	8.3	311	HWY. 1 & SW 145TH ST.
28	8.2	327	COCONUT PALM DR.
29	9.3	339	HWY. 1 & SW 220TH ST.
30	8.7	350	OLD CUTLER RD. & SW 223RD ST.
31	9.9	359	FRANJO RD.
32	18.0	2	HWY. 1 & SW 104TH ST.
33	21.0	12	HWY. 1 & GRANADA RD.
34	24.0	18	HATOMA SUBSTATION
35	22.0	28	CRANDON BLVD. & EASTWOOD DR.
36	.3	15	TURKEY PT. BEACH
37	.5	228	TURKEY PT. BOY SCOUT CAMP

VERMONT YANKEE

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING LOCATIONS

STATION	DIST(mi.)	DIR	DESCRIPTION
2	1.0	158	STEBBINS RD.
3	1.3	184	RT. 142 & POND RD.
4	1.4	201	WEST RD. & EDGEWOOD PARK RD.
5	1.6	220	FAIRMAN RD.
6	3.4	157	POND RD. & HOUGHTON HILL RD.
7	4.9	189	HUCKLE HILL RD.
8	13.0	201	GREENFIELD
9	5.8	208	RT. 5 & HAIGAS RD.
10	3.7	232	RT. 5
11	2.9	277	RT. 5
12	1.4	292	TYLER HILL RD.
13	1.4	314	RT. 142
14	4.2	310	RT. 5 & GREEN RIVER RD.
15	4.3	299	GREEN RIVER RD.
16	4.5	270	WEATHER HEAD HOLLOW RD. & STONY HILL RD.
17	5.0	331	BRATTLEBORO HIGH SCHOOL
18	18.0	290	WILMINGTON
19	18.0	290	WILMINGTON
20	18.0	290	WILMINGTON
21	3.2	359	MIDDLE OX BOW RD.
23	2.2	334	HINSDALE RACEWAY
24	.9	4	RT. 119
25	1.0	30	RT. 119
26	1.5	72	RT. 119
27	.7	44	RT. 119 & PROSPECT RD.
28	2.0	39	RT. 63 & OLD CHESTERFIELD RD.
29	3.8	25	RT. 63
30	2.7	72	RT. 119
31	2.0	85	DEPOT ST.
32	1.8	111	RT. 63
33	4.0	134	RT. 63
34	6.0	151	NORTHFIELD
35	4.3	111	RIGHT SIDE RD. OFF ASHUELOT RD.
36	4.7	92	ASHUELOT RD.
37	15.0	50	KEENE
39	.3	222	GOV. HUNT RD.
40	3.0	250	RT. 5

WASHINGTON NUCLEAR 2

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING LOCATIONS

STATION	DIST(mi.)	DIR	DESCRIPTION
1	12.0	174	STEVENS DR. & VAN GIESEN ST.
2	11.0	163	HANDFORD SCHOOL
3	9.0	161	BENTON BLVD.
4	5.0	152	RT.4 AT RR CROSSING
5	2.0	195	RT.4& WNP 1-4 ACCESS RD.
6	1.5	220	RT. 4 N. OF FFTF ACCESS RD.
7	3.0	92	WNP-2 INTAKE STRUCTURE
8	1.0	155	WNP 1-4 ACCESS RD. & WNP-2 CUTOFF
9	.5	130	WNP-2 CUTOFF & WASTE WATER TREATMENT ACCESS RD.
10	.5	70	WNP-4 EXCLUS.BOUNDARY BY WNP-2 CUTOFF
11	.8	25	N.W.CORNER WNP-4 EXCLUSION BOUNDARY
12	.5	315	B.P.A.H.J. ASHE SUBSTATION
13	.5	290	WNP-2 EXCLUSION BOUNDARY
14	.5	270	WPPSS METEOROLOGY STATION
15	1.8	245	RT.4&WNP-2 ACCESS ROAD
16	3.0	285	WYE BARRICADE
17	4.0	240	RT.10 & FFTF ACCESS ROAD
18	7.0	198	B.P.A. WHITE BLUFF SUBSTATION
19	8.5	173	HORN RAPIDS ROAD ACROSS FROM EXXON
20	20.0	150	RD.#36 & RUBY IN PASCO
21	7.0	114	EDWIN MARKHAM SCHOOL
22	8.0	120	B'A BAXTER SUBSTATION
23	6.0	134	COTTONWOOD ROAD N. OF PASCO
24	4.0	110	END OF FIR ROAD N.W. OF PASCO
25	5.0	85	GLENWOOD & GUM INTERSECTION
26	5.0	65	ELTOPIA RINGOLD ROAD
27	4.0	53	RINGOLD FISH HATCHERY
28	8.0	44	RD.#170 & KLAMATH INTERSECTION
29	10.0	33	WAHLUKE SO. & BASIN HILL RD. INTERSECTION
30	9.5	8	HOLLINGSWORTH & MT. VISTA RD.
31	15.0	215	ACORD & WHAN RD. INTERSECTION

WATERFORD

TLD DIRECT RAD'ATION ENVIRONMENTAL MONITORING LOCATIONS

STATION	DIST(mi.)	DIR	DESCRIPTION
1	.4	101	EBASCO ENTRANCE
2	1.1	116	HOOKER CHEMICAL SUBST.
3	1.3	132	WITCO EMPLOYEES LOT
4	1.8	160	LA3142&LA3127
5	1.4	183	TEXACO VALVE STATION
6	1.2	202	STEEL FENCE (GATE 8)
7	1.2	226	STEEL GATE POST(GATE 9)
8	1.3	248	2.3mi.W.OF LA3127&3142
9	1.9	265	LA3127&3141(RD.SIGN)
10	4.2	186	PAR! H BOUNDRY
11	4.4	315	GOLD MINE PLANTATION
12	4.1	328	1mi.E.OF GOLD MINE PLANT.
13	.8	309	.6mi.E.OFLA18&3141
14	.9	273	KILLONA ELEMENTARY SCH.
15	.8	292	.3 mi.N.OFKILLONA SCH.
16	.5	335	WATERFORD 1&2 INTAKE
17	4.3	120	ST.CHARLES COURT HOUSE
18	3.5	145	S.SIDE OF LA3160&3127
19	8.1	153	HAHNVILLE HIGH SCH.
20	8.1	133	LULING LP&L DISTRICT OFFICE
21	6.7	116	DESTREHAN HIGH SCH.
22	4.3	95	GOOD HOPE
23	2.6	86	SHELL CHEMICAL NARCO PLANT
24	4.2	66	NARCO LINES RECREATION PARK
25	3.5	37	W. BANK BONNET CARRE SPILLWAY
26	3.8	23	DOT WEIGH STATION
27	4.9	350	TWIN OAKS NURSING HOME
28	5.0	335	MILESVILLE SCH.
29	2.8	6	BAYOU STEEL PLANT
30	1.1	356	LITTLE GYPSY PLANT
31	.8	15	LA628 SECURITY FENCE
32	.8	40	LITTLE GYPSY PLT.WATER INTAKE
33	1.1	69	MONTZ PARK
34	15.0	292	US61&LA641
35	27.0	282	SUNSHINE BRIDGE
36	21.0	268	ST.JAMES POST OFFICE

WATTS BAR

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING LOCATIONS

STATION	DIST(mi.)	DIR	DESCRIPTION
1	.9	337	EAST OF PLANT ACCESS RD.
2	2.1	314	HWY. 68 & OLD DIXIE HWY.
3	1.9	297	OLD DIXIE HWY. (HOUSE #286)
4	2.0	272	OLD DIXIE HWY. (NEAR BRIDGE)
5	1.9	251	NEAR YELLOW CR. BAPTIST CHURCH
6	1.8	235	END OF ROAD PAST YELLOW CR. BAPTIST CHURCH
7	3.8	230	INTERSECTION - BREEDLOVE FERRY RD.
8	3.6	208	BOGLES CHAPEL
9	4.2	249	INTERSECTION - OLD DIXIE HWY.
10	3.1	266	INTERSECTION - OLD DIXIE HWY.
11	3.3	289	J&H PALLET CO.
12	4.7	310	HWY. 68 & WOLFE CR. RD.
13	3.6	337	WOLFE CR. RD. INTERSECTION
14	7.0	330	WATER TREATMENT PLANT
15	4.7	350	WELSH RESIDENCE
16	1.1	7	WATTS BAR DAM SUBSTATION
17	1.6	23	BEACH PARKING AREA
18	2.3	41	NEAR BURNED OUT BLDG.
19	1.3	69	RIVER RD. NEAR CHICKEN SHED
20	1.2	89	HIGH TENSION TOWER
21	1.1	114	RIVER RD. CLAP BOARD HOUSE
22	1.0	141	RIVER RD. RED BRICK HOUSE
23	1.1	163	RIVER RD. NEAR STONEWALL
24	1.1	187	CAPTAIN JOHN'S RESTAURANT
25	1.2	203	NEAR BOAT DOCK OFF RIVER RD.
26	5.9	184	ARRANT RD. & RIVER RD.
27	4.5	176	EAVES FERRY RD. & HWY. 58
28	3.5	161	HOUSE #584
29	3.0	144	FAIRVIEW SCHOOL
30	3.1	117	BMLHT 771/772
31	4.0	97	FEZZELL RD. & HWY. 58
32	4.1	76	HICKORY FLAT CHURCH
33	4.1	32	NEAR BIVENS LAKESIDE MARKET
34	4.7	36	SAM'S BOAT DOCK
35	18.0	338	NEAR EXXON STATION
36	18.0	338	PARKING AREA OFF HWY. 68
37	18.0	338	IN FRONT OF RED BARN WITH SILO

WOLF CR.

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING LOCATIONS

STATION	DIST(mi.)	DIR	DESCRIPTION
1	2.9	316	EOC ON TELEPHONE POLE
2	1.8	330	NORTH GATEPOST
3	2.8	360	WITH LICENSEE AIR SAMPLERS
4	1.6	355	NEAREST RESIDENCE
5	1.8	31	2ND POLE EAST(N. SIDE OF ROAD)
6	2.0	47	2ND POLE EAST(S. SIDE OF ROAD)
7	1.6	70	CORNER FENCEPOST(W. SIDE OF ROAD)
8	1.7	90	GIFFORD'S RESIDENCE
9	2.4	111	WHITE HOUSE YARD
10	2.5	137	CO-LOCATED WITH KS AND KG&E
11	3.4	157	LOGAN CEMETARY FENCEPOST
12	3.3	184	ON ROAD TO DAM
13	2.9	213	CO-LOCATED WITH KS ON METER POLE
14	2.4	233	CO-LOCATED WITH KG&E NEAR WITHERS
15	2.2	248	FENCEPOST SW CORNER
16	2.1	278	KG&E PROPERTY FENCEPOST
17	3.4	270	RIVERSIDE EAST WORK AREA
18	4.2	263	RIVERSIDE WEST
20	3.9	280	DAM SITE PUBLIC USE AREA
21	3.9	298	NW CORNER OF NEW STRAWN
22	4.8	319	SE CORNER OF INTERSECTION
23	5.0	332	NE CORNER OF INTERSECTION
24	3.9	19	NW CORNER OF INTERSECTION
25	4.4	35	NE CORNER OF INTERSECTION
26	4.3	67	BACK OF ROAD SIGN
27	4.1	88	SE OF INTERSECTION
28	4.5	110	CO-LOCATED WITH KG&E
29	4.4	128	N. SIDE OF FAS 10
30	16.0	112	WESTPHALIA-NEAR SCHOOL
31	9.4	127	ALICEVILLE
32	11.0	162	LEROY
33	5.2	153	POLE ON N. SIDE OF ROAD
34	4.7	174	SW CORNER OF INTERSECTION
35	5.2	197	POLE WEST OF INTERSECTION
36	4.8	224	BURLINGTON(COUNTY COURT HOUSE)
37	14.0	220	GRIDLEY CORNER(1ST AND MAIN)
38	6.5	253	OTTER CREEK CAMPGROUND
39	10.0	278	S. SIDE OF INTERSECTION
40	15.0	285	HARTFORD (CO-LOCATED W KS AND KG&E)
41	6.7	292	TRANSFORMER POLE(N. SIDE OF ROAD)
42	13.0	345	BETO JUNCTION W OF HIWAY 75
43	7.5	5	HALL'S SUMMIT
44	8.3	20	WAVERLY ON POLE W. OF SUNSET MANOR
45	7.5	315	SE CORNER OF T-INTERSECTION
46	7.7	341	FAS 1133 TO HALL'S SUMMIT
47	1.0	355	1ST POLE N. OF FENCE ON ACCESS ROAD

YANKEE ROWE

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING LOCATIONS

STATION	DIST(mi.)	DIR	DESCRIPTION
1	.8	0	VT/MASS LINE-READSBORO ROAD
5	2.2	85	WEST OF LESHURES ROAD
6	2.6	118	LESHURES & FORD HILL ROAD
7	2.1	137	FORD HILL & MIDDLETOWN ROADS
8	1.7	153	E. MILES RESIDENCE
9	1.1	176	MONROE HILL ROAD
10	.5	203	MONROE HILL ROAD
11	.6	219	MONROE HILL ROAD
12	1.1	239	MONROE BRIDGE
13	1.8	272	MAIN ROAD & DAVIS ROAD
14	1.3	292	MAIN ROAD
15	1.6	315	MAIN ROAD
16	1.4	348	BOSLEY HILL ROAD
17	2.8	358	Vt. Rt. 100
18	2.8	21	Vt. Rt. 100 & POTTERS ROAD
19	5.8	43	Vt. Rt. 100
20	6.0	75	Vt. Rt. 8A
21	6.0	98	MASS. Rt. 8A
22	5.2	104	MASS. Rt. 8A
23	5.7	133	MASS. Rt. 8A & DELL ROAD
24	7.5	157	MASS. Rts. 8A & 2
25	6.3	184	COLD RIVER STATE PARK
27	5.9	225	Rt. 2 & CHURCH ROAD
29	3.5	269	NORTH ROAD
32	3.3	342	READSBORO FIREHOUSE
34	7.3	48	JACKSONVILLE
35	2.3	39	POTTERS ROAD
47	9.6	260	NORTH ADAMS
48	9.0	261	NORTH ADAMS HOSPITAL

ZIMMER

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING LOCATIONS

STATION	DIST(mi.)	DIR	DESCRIPTION
1	.4	182	4TH ST. MOSCOW
2	1.0	150	OHIO STATE ROAD 743
3	1.1	133	OHIO STATE ROAD 743
4	2.1	106	OHIO STATE ROAD 743
5	2.9	82	STATE ROAD 743&756
6	4.4	91	COLLIER ROAD
7	7.3	106	FELICITY HIGH SCHOOL
8	6.6	135	MARKET ST. & CINCINNATI ST.
9	4.2	163	NEVILLE
10	3.9	129	NEVILLE-PENN SCHOOL HOUSE ROAD
11	4.6	115	NEVILLE-PENN SCHOOL HOUSE RD.
12	3.9	74	OHIO STATE ROAD 743
13	3.6	50	LAUREL-PT. ISABEL ROAD
14	4.1	22	CLERMONTVILLE-LAUREL ROAD
15	3.7	354	CLERMONTVILLE-LAUREL ROAD
16	2.1	359	OHIO STATE ROAD 232
17	2.0	26	OHIO STATE ROAD 232
18	1.6	47	ROAD 232&LAUREL-MOSCOW RD.
19	.8	72	LAUREL-MOSCOW ROAD
20	7.3	335	NEW RICHMOND
21	4.0	332	CALIFORNIA
22	1.8	335	MENTOR(KY)
23	2.1	310	KENTUCKY STATE ROAD 735
24	1.9	286	KENTUCKY STATE ROAD 10
25	1.4	276	ALONG IVOR ROAD
26	.9	247	KENTUCKY STATE ROAD 8
27	1.1	218	KENTUCKY STATE RD.8
28	1.9	200	KENTUCKY STATE ROAD 8
29	4.5	191	LICK RUN & JIMMIE CREEK
30	4.4	212	KENTUCKY STATE ROAD 10
31	4.1	229	KENTUCKY STATE ROAD 10
32	3.5	248	KENTUCKY STATE ROAD 10
33	3.7	270	WESLEY CHAPEL ROAD
34	4.5	292	CALIFORNIA CROSS ROAD
35	4.6	317	CALIFORNIA CROSS ROAD
36	19.0	106	US 52 IN LEVANNA(OH)
37	20.0	107	US 52 OUTSIDE LEVANNA
38	20.0	107	US 52 OUTSIDE LEVANNA

ZION

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING LOCATIONS

STATION	DIST(mi.)	DIR	DESCRIPTION
1	1.0	287	SHILOH BLVD. & EDINA BLVD.
2	1.0	192	ILLINOIS BEACH STATE PARK
3	1.5	187	ILLINOIS BEACH STATE PARK
4	2.4	227	BEACH RD. & NORTH AVE.
5	1.8	257	ELMWOOD SCHOOL
6	1.2	264	CITY HALL
7	1.6	287	HIGH SCHOOL
8	1.8	320	17TH & SHERIDAN RD.
9	2.6	343	WINTHROP HARBOR CITY GARAGE
10	4.5	356	116TH ST. & LAKE
11	4.5	337	TOBIN - 116TH ST. & 28TH ST.
12	4.0	310	N. PRAIRIE SCHOOL
13	3.5	293	KENOSHA RD. & HWY. 173
14	4.5	280	21ST ST. & FOREST VIEW RD.
15	3.2	239	BEACH PARK SCHOOL
16	3.5	227	LAKE COUNTY BAPTIST SCHOOL
17	4.5	210	SUBSTAT. S OF GREENWOOD-SHERIDAN RD
18	2.8	206	YORK HOUSE RD. & SHERIDAN
19	2.7	342	LAKE COUNTY WATER TREATMENT PLANT
20	14.0	197	ILLINOIS STATE RT. 60
21	7.9	352	SUBSTATION - 7TH AVE. & 80TH ST.
22	8.3	348	LINCOLN PK. (71ST. & 22ND)
23	8.5	336	75TH ST. & COOPER RD.
24	5.8	314	GREENS BAY RD. & RT. 174
25	6.3	220	RT. 131 & 132
26	8.0	195	12TH & GREENFIELD ST.
28	14.0	197	ILLINOIS STATE RT. 60
30	9.8	320	PLEASANT PRAIRIE SCHOOL
31	8.0	229	WARREN TOWNSHIP HIGH SCHOOL

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This report provides the status and results of the NRC Thermoluminescent Dosimeter (TLD) Direct Radiation Monitoring Network. It presents the radiation levels measured in the vicinity of NRC licensed facility sites throughout the country for the fourth quarter of 1983.

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