
NRC TLD Direct Radiation Monitoring Network

Progress Report
October-December 1985

**U.S. Nuclear Regulatory
Commission**

NRC Region I

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October-December 1985

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ABSTRACT

This report presents the results of the NRC Direct Radiation Monitoring Network for the fourth quarter of 1985. It provides the ambient radiation levels measured in the vicinity of 74 sites throughout the United States. In addition, it describes the equipment used, monitoring station selection criteria, characterization of the dosimeter response, calibration procedures, statistical methods, intercomparison, and quality assurance program.

CONTENTS

	<u>Page</u>
ABSTRACT	iii
SUMMARY	1
1. INTRODUCTION	5
2. DOSIMETER SITE SELECTION CRITERIA	6
2.1 TLD Network Stations Within Five Miles of the Plant Site	6
2.2 TLD Network Stations Beyond Five Miles of the Plant Site	6
2.3 Emergency TLD Placement	6
3. EQUIPMENT AND GENERAL PROCEDURES	8
3.1 Dosimetry System	8
3.2 Field Container	8
3.3 Exchange Procedures	9
4. CALIBRATION	14
4.1 Facilities	14
4.2 Procedures for Calibrating Dosimeters	14
5. ESTIMATION OF TRANSIT EXPOSURE	15
6. STATISTICAL METHODS	17
7. QUALITY ASSURANCE PROGRAM	20
7.1 Dosimetry Quality Control	20
7.2 Reader Quality Control	21
7.3 Quality Assurance Audits	21
8. INTERCOMPARISON	22
8.1 Description	22
8.2 Results	22
8.3 Discussion	22
9. SUMMARY OF OPERATING EXPERIENCES	23
Appendix A - Environmental Direct Radiation Monitoring Data for NRC - Licensed Nuclear Power Reactors Monitored Site	

CONTENTS (Continued)

Page

LIST OF FIGURES

1.	Illustrations of Dosimeter Placement	7
2.	TLD Badge Construction	11
3.	TLD Reader - Reading Method and Construction	12
4.	TLD Field Container	13

LIST OF TABLES

1.	Standard Windrose Sectors Used in Selecting TLD Station Locations	3
2.	Calcium Sulfate Energy Response	10
3.	Control Dosimeter Summary	16
4.	Sites Monitored During Fourth Quarter, 1985	23

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 1985. (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, 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, NUREG/CR-3120, and NUREG/CR-3775. Each site is monitored by arranging approximately 30 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 74 facilities monitored during the Network for the fourth quarter of 1985. There are 71 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.

Four sets of information 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. Also this 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.

The third set of information describes geographic locations of the TLDs around the nuclear power plants. A detailed list of the TLD station locations for each site in the NRC program as of December 31, 1985 is included. 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.

The fourth set of data illustrates the fourth quarter measured dose around a site. Due to the constraints of digitizing the entire monitoring area onto the limited space on the map, some TLD data are not included.

This report is one of a continuing series of technical reports covering the results and experiences of the operation of the NRC TLD Direct Radiation Monitoring Network. Suggestions on methods to improve the presentation or analysis of the data contained in this NUREG are appreciated and should be submitted to NRC Region I, 631 Park Avenue, King of Prussia, Pennsylvania 19406, ATTN: Radiation Dosimetry Specialist.

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	146.25° - 168.75°
S	168.75° - 191.25°
SSW	101.25° - 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	326.75° - 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.

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 an 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.

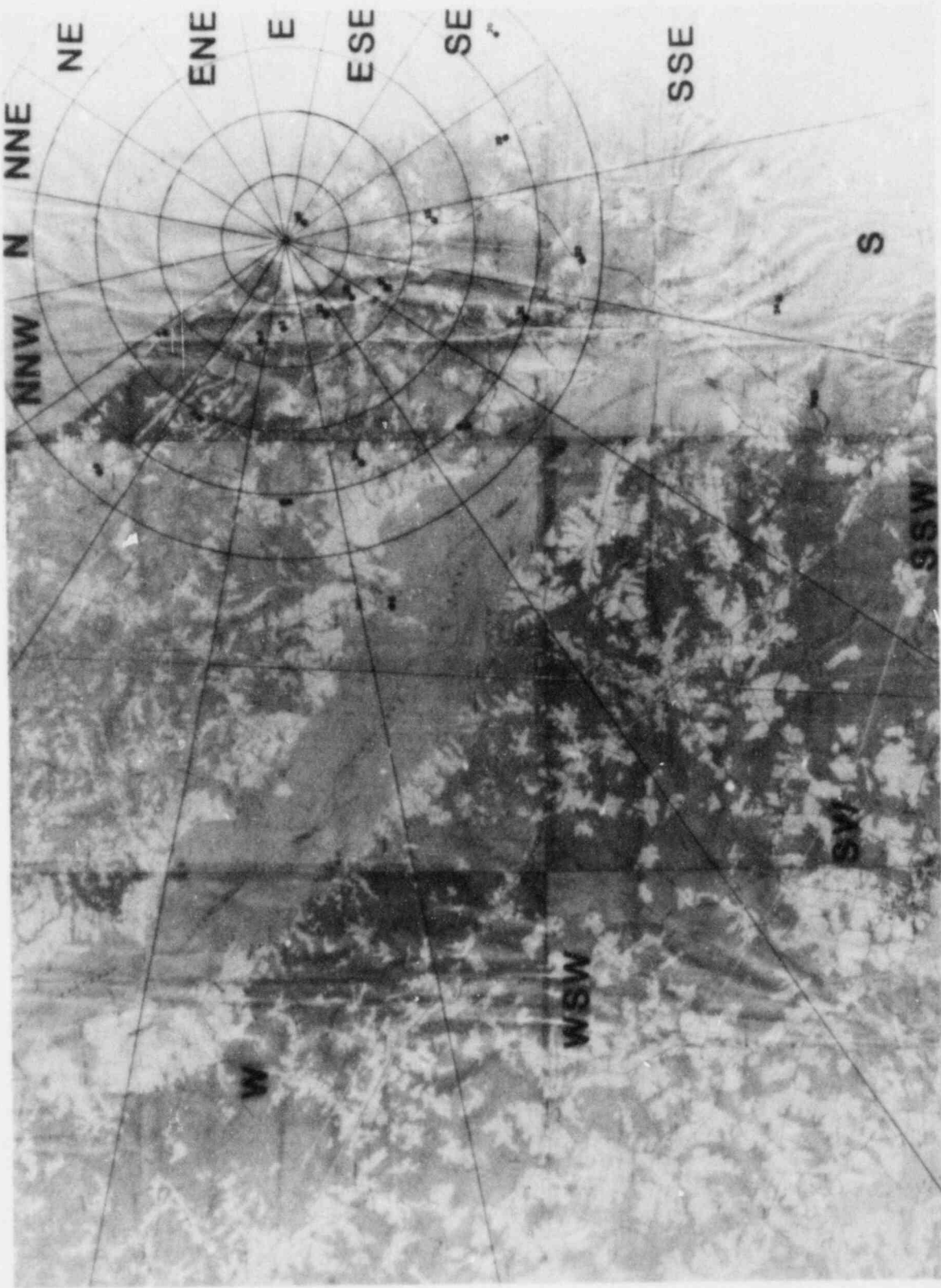


Figure 1 Illustration of Dosimeter Placement

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 ($\text{Li}_2\text{B}_4\text{O}_7:\text{Cu}$), and two elements of calcium sulfate activated with thulium ($\text{CaSO}_4:\text{Tm}$). One lithium borate element uses an "open" window of 14 mg/cm^2 to minimize attenuation of beta radiation; the other incorporates a 150 mg/cm^2 plastic filter.

Each of the two calcium sulfate elements in the badge is covered by a 700 mg/cm^2 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 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, NUREG/CR-3120, and NUREG/CR-3775.

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 a 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/cm^2 . 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 attenuation of photon radiation. It is placed approximately three meters above the ground to minimize vandalism. Figure 4 shows a TLD field container.

*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 4). All dosimeters are then annealed at the 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 with 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 5.

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 2
Calcium Sulfate Energy Response

Panasonic Model UD 801
Dosimeter Response Per Unit Exposure Relative to That
For Cesium-137 and Cobalt-60 Gamma Radiation

Effective Energy (KeV)	Average (Element 3 + Element 4) Response	
	Cs-137	Co-60
38	0.39	0.45
70	0.80	0.92
117	0.54	0.63
167	0.70	0.81
210	0.79	0.90
662	1.00	1.14
1250	0.88	1.00

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

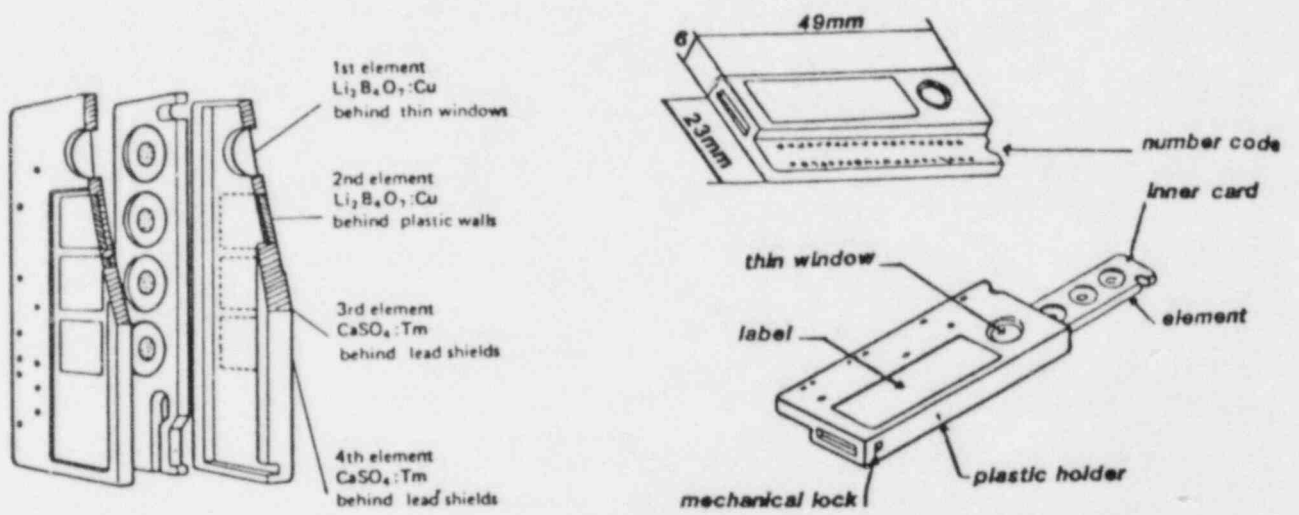


Figure 2 TLD Badge Construction

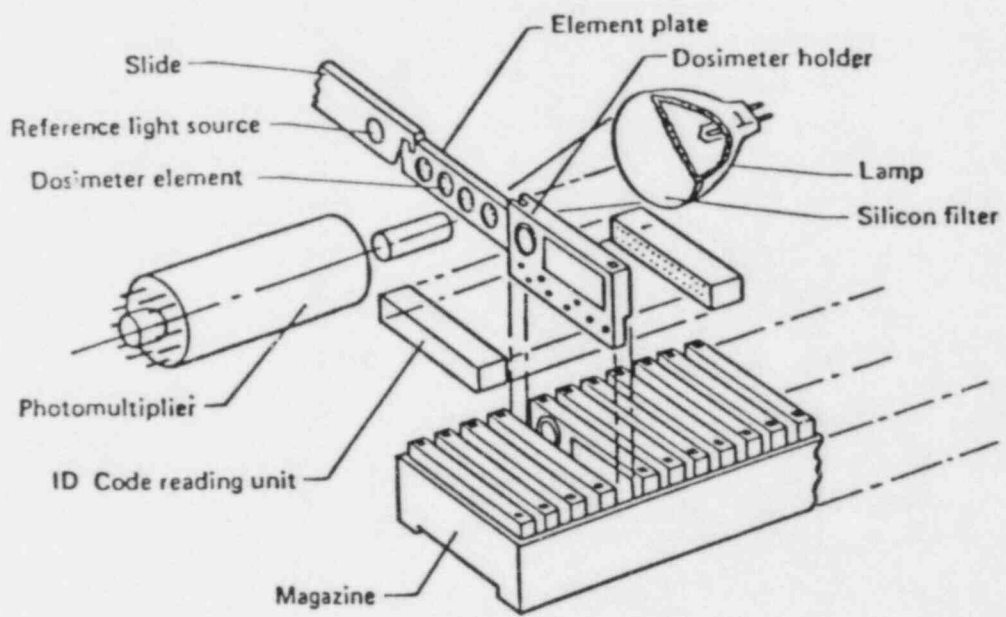


Figure 3 TLD Reader - Reading Method and Construction

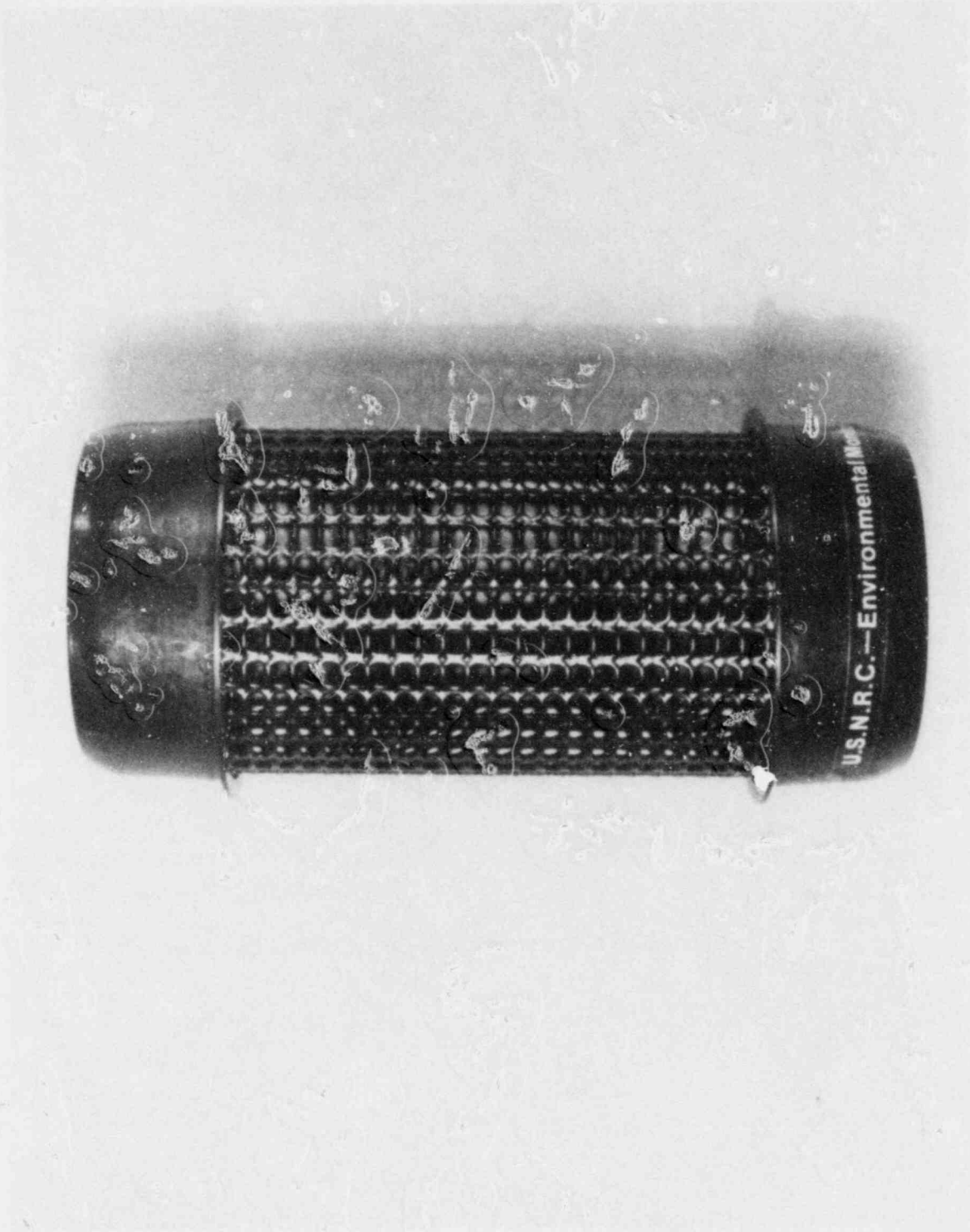


Figure 4 TLD Field Container

4 CALIBRATION

4.1 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 2.3 mR/minute exposure rate at 50 cm from the source. The exposures received by the badges are monitored, using a 33cm³ 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 $\pm 3\%$. 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.

4.2 Procedures for Calibrating Dosimeters

During each calibration, each TLD badge is exposed to approximately 45 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. The most recent determination of the element calibration factor is used in the exposure calculation. Furthermore, historical files of calibration factors are being maintained for each element of each dosimeter. These records permit detection of changes or trends in element calibration factors which would indicate either dosimeter or reader variability.

5. 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.

Two 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 is no longer used. 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 unshielded with the previous quarter's dosimeters. 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 rate during storage is estimated to be 0.09 ± 0.03 mR per day and is based on previous measurements. For information on how the exposure rate in the cask was previously estimated, refer to Appendix A of NUREG-0837, Volume 2, Number 4. 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. The storage exposure rate is essentially due only to the cosmic ray component of the local natural background radiation.

Likely sources of transit exposure include shipments of medical and other radioisotopes in the mail, as well as natural terrestrial and cosmic radiation.

A summary of the control dosimeter placement and usage is included in Table 3 of this report.

Table 3

Control Dosimeter Summary

	Control #1	Control #3
Purpose of Control:	Determination of round trip transit exposure	Determination of one-way transit exposure from NRC to field
During shipment to Contractor:	Unshielded, with field dosimeters	Unshielded, with field dosimeters
Storage Prior to Field Placement:	Unshielded, with field dosimeters	Unshielded, with field dosimeters
Storage During Quarter:	In storage cask	Not stored; returned with field dosimeters 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

6. 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 ($\pm 3\%$ 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 Storage Shield Exposure Rate	0.09 mR/day	0.03 mR/Day***

*Estimate based on NBS testing of dosimeters.

**Estimate based on NRC measurements of calcium sulfate element fading.

***Estimate reflects observed variation of past measurement of storage exposure rate.

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

Example of Uncertainty Estimation

Assumptions:

Gross Field Exposure = 25 mR
Control 1 Exposure = 10 mR
Time in Field = 90 days

A. Gross Field Exposure Uncertainty

Random Uncertainty (25 mR)(0.03) = 0.75 mR

Systematic Uncertainty:

Fading = (25 mR)(0.03) = 0.75 mR
Calibration = (25 mR)(0.05) = 1.25 mR
Energy-Directional Dependence = (25 mR)(0.14) = 3.50 mR

Total Uncertainty = $[(0.75)^2 + (1.25)^2 + (3.50)^2]^{1/2} = 3.86$ mR
Gross Field Exposure = 25 ± 0.8 ; 3.9 mR

B. Control 1 Exposure Uncertainty

Random Uncertainty = (10 mR) (0.03) = 0.30 mR

Systematic Uncertainty:

Fading = (10 mR)(0.03) = 0.30 mR
Calibration = (10 mR)(0.05) = 0.50 mR
Energy-Directional Dependence = (10 mR)(0.14) = 1.40 mR

Total Uncertainty = 1.55 mR

Control 1 Exposure = 10 ± 0.3 ; 1.6 mR

C. Transit Exposure Uncertainty

The uncertainty of the transit exposure is determined by combining the uncertainty of the Control 1 measurement with the uncertainty of the storage exposure.

Storage Exposure = (90 days)(0.0865 mR/day) = 7.78 mR
Storage Exposure Uncertainty = (90 days)(0.0265 mR/day) = 2.38 mR

This uncertainty is treated as a systematic uncertainty. The transit exposure is estimated as the difference between the Control 1 measured exposure and the estimated storage exposure. The uncertainty is determined by combining their associated uncertainties.

Transit Exposure = (10 mR) - (7.8 mR) = 2.2 mR
Systematic Uncertainty of Transit Exposure = 2.82 mR
Transit Exposure = 2.2 ± 0.3 ; 2.8 mR

D. Net Field Exposure Uncertainty

The net field exposure is the difference between the gross field exposure and the transit exposure. The uncertainty is determined by combining the associated uncertainties.

$$\text{Net Field Exposure} = (25 \text{ mR}) - (2.2 \text{ mR}) = 22.8 \text{ mR}$$

$$\text{Random Uncertainty} = 0.9 \text{ mR}$$

$$\text{Systematic Uncertainty} = 4.7 \text{ mR}$$

$$\text{Net Field Exposure} = 22.8 \pm 0.9 ; 4.7 \text{ mR}$$

If the time had not been 90 days, the net field exposure and its associated uncertainties would be adjusted and reported as exposure per 90 days.

7. 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 Standard (NBS), whenever 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 proper measurements.

7.1 Dosimeter Quality Control

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

7.1.1 Visual Inspection

Badges are visually inspected to ensure that the elements are of the correct type and have the right filtration.

7.1.2 Identification Number and Dosimeter Type

Dosimeters are read by the TLD reader and the badge identification numbers reported on the TLD reader output are compared with the corresponding numbers on the badge labels. Any deviations are corrected prior to dosimeter calibration or use.

7.1.3 Element Calibration Factors

Element calibration factors (see section 4 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.

7.2 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 routinely performed on the reader to determine system trends, to apply corrections as necessary, and to ensure that the system is operational. A depleted uranium slab is used to irradiate dosimeter cards which have been removed from their holders. These dosimeters were previously calibrated with a cesium-137 source to establish their element correction factors. In addition, the following system parameters are measured and printed by the reader.

7.2.1 Sensitivity Correction Factor

Prior to reading a rack of 50 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.

7.2.2 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.

7.3 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 will be 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 will be documented and reported to the Region I Regional Administrator. Deficiencies identified will be resolved as soon as practicable and the Region I Regional Administrator is informed of their resolution.

8. INTERCOMPARISON

8.1 Description

The Radiological and Environmental Sciences Laboratory (RESL) exposed NRC TLDs to a Cs-137 source (1) in the free air in July 1985 and (2) with a lucite phantom.

The NRC TLD Laboratory processed those TLDs. The net exposure was calculated by applying the correction factors and subtracting the transit exposure.

8.2 Results

RESL Exposure	FREE AIR	N*	WITH PHANTOM	N*
35 mR	36 ± 1 mR	5	37 ± 2 mR	5
80 mR	81 ± 2	5	85 ± 2	5
465 mR	472 ± 10	5	485 ± 4	5
810 mR	821 ± 16	5	842 ± 18	5

*N = No of TLDs

8.3 Discussion

The results of the free air exposure are in excellent agreement with the RESL. With the lucite phantom exposure results, however, NRC values are about 4~6% higher than RESL value which can be expected due to backscattering.

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.

Table 4 lists all licensed facilities included in the Network as of December 31, 1985.

The equipment and procedures used by the NRC TLD Direct Radiation Monitoring Network generally satisfied the requirements of the program for 1985. The NRC environmental radiation data base for the monitored sites became larger and more accurate. 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.

Table 4
Sites Monitored During
Fourth Quarter, 1985

1. Arkansas Nuclear One	36. McGuire
2. Beaver Valley	37. Millstone
3. Big Rock Point	38. Monticello
4. Braidwood	39. North Anna
5. Browns Ferry	40. Oconee
6. Brunswick	41. Oyster Creek
7. Byron	42. Palisades
8. Callaway	43. Palo Verde
9. Calvert Cliffs	44. Peach Bottom
10. Catawba	45. Perry
11. Clinton	46. Pilgrim
12. Comanche Peak	47. Prairie Island
13. D. C. Cook	48. Quad Cities
14. Cooper	49. Rancho Seco
15. Crystal River	50. River Bend
16. Davis-Besse	51. Robinson
17. Diablo Canyon	52. St. Lucie
18. Dresden	53. Salem/Hope Creek
19. Duane Arnold	54. San Onofre
20. Farley	55. Seabrook
21. Fermi	56. Sequoyah
22. FitzPatrick/Nine Mile Point	57. Shoreham
23. Fort Calhoun	58. Summer
24. Fort St. Vrain	59. Surry
25. Ginna	60. Susquehanna
26. Grand Gulf	61. Three Mile Island
27. Haddam Neck	62. Trojan
28. Harris	63. Turkey Point
29. Hatch	64. Vermont Yankee
30. Indian Point	65. Vogtle
31. Kewaunee/Point Beach	66. Washington Nuclear 2
32. Lacrosse	67. Waterford
33. LaSalle	68. Watts Barr
34. Limerick	69. Wolf Creek
35. Maine Yankee	70. Yankee Rowe
	71. Zion

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

ARKANSAS
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
 FOR THE PERIOD 850911-860117 129 DAYS
 FIELD TIME 100 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE(mR)			NET EXPOSURE RATE		
	AZIMUTH (deg.)	DIST (mi.)	+ -	Rdm;	Tot.	mR/Std. Otr.	+ -	Rdm; Tot.
001	4	0.4	23.0	+ -	.7	3.4	NO NET DATA	
002	353	4.1	24.6	+ -	.7	3.7	NO NET DATA	
003	32	1.3	24.2	+ -	.7	3.6	NO NET DATA	
004	13	3.3	22.6	+ -	.7	3.4	NO NET DATA	
005	53	1.5	23.1	+ -	.7	3.5	NO NET DATA	
006	37	3.3	23.5	+ -	.7	3.5	NO NET DATA	
007	78	2.3	25.3	+ -	.8	3.8	NO NET DATA	
008	60	3.3	25.5	+ -	.8	3.8	NO NET DATA	
009	92	5.5	25.1	+ -	.8	3.8	NO NET DATA	
010	83	5.5	23.6	+ -	.7	3.5	NO NET DATA	
011	122	2.1	21.8	+ -	.7	3.3	NO NET DATA	
012	109	6.0	25.0	+ -	.8	3.8	NO NET DATA	
013	138	2.3	MISSING OR DAMAGED DOSIMETER					
014	138	4.4	24.2	+ -	.7	3.6	NO NET DATA	
016	167	4.4	23.5	+ -	.7	3.5	NO NET DATA	
017	171	0.4	23.6	+ -	.7	3.5	NO NET DATA	
018	189	3.3	23.3	+ -	.7	3.5	NO NET DATA	
019	205	2.9	21.8	+ -	.7	3.3	NO NET DATA	
020	195	5.0	21.2	+ -	.6	3.2	NO NET DATA	
021	205	0.5	25.1	+ -	.8	3.8	NO NET DATA	
022	200	0.5	MISSING OR DAMAGED DOSIMETER					
023	257	2.0	14.9	+ -	.4	2.2	NO NET DATA	
024	243	4.5	21.1	+ -	.6	3.2	NO NET DATA	
025	279	1.1	25.4	+ -	.8	3.8	NO NET DATA	
026	263	4.3	22.9	+ -	.7	3.4	NO NET DATA	
027	296	0.4	24.4	+ -	.7	3.7	NO NET DATA	
028	293	5.0	24.1	+ -	.7	3.6	NO NET DATA	
029	266	1.9	23.7	+ -	.7	3.6	NO NET DATA	
030	388	4.0	23.5	+ -	.7	3.5	NO NET DATA	
031	345	1.3	24.6	+ -	.7	3.7	NO NET DATA	
032	335	4.2	21.2	+ -	.6	3.2	NO NET DATA	
033	110	0.0	24.0	+ -	.7	3.6	NO NET DATA	
039	112	0.0	23.8	+ -	.7	3.6	NO NET DATA	
040	147	0.0	24.1	+ -	.7	3.6	NO NET DATA	
041	186	0.0	22.0	+ -	.7	3.3	NO NET DATA	
042	318	1.7	26.4	+ -	.8	4.0	NO NET DATA	
043	0	5.2	25.0	+ -	.7	3.7	NO NET DATA	
044	0	9.1	22.8	+ -	.7	3.4	NO NET DATA	
045	0	0.9	28.8	+ -	.8	4.1	NO NET DATA	
046	0	0.3	23.3	+ -	.7	3.5	NO NET DATA	

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

ARKANSAS
FOR THE PERIOD 850911-860117

A-3

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
348.75-11.25 (N)	20.8 \pm 1.3	6
11.25-33.75 (NNE)	21.0 \pm 1.1	2
33.75-56.25 (NE)	20.8 \pm .2	2
56.25-78.75 (ENE)	22.8 \pm .1	2
78.75-101.25 (E)	21.8 \pm 1.0	2
101.25-123.75 (ESE)	21.0 \pm 1.2	5
123.75-146.25 (SE)	21.7 \pm 0.0	1
146.25-168.75 (SSE)	21.4 \pm .4	2
168.75-191.25 (S)	21.1 \pm .2	2
191.25-213.75 (SSW)	19.3 \pm .4	2
213.75-236.25 (SW)	22.5 \pm 0.0	1
236.25-258.75 (WSW)	16.2 \pm 3.9	2
258.75-281.25 (W)	21.7 \pm 1.6	2
281.25-303.75 (WNW)	21.8 \pm .2	2
303.75-326.25 (NW)	22.1 \pm 1.4	3
326.25-348.75 (NNW)	20.8 \pm 2.1	2

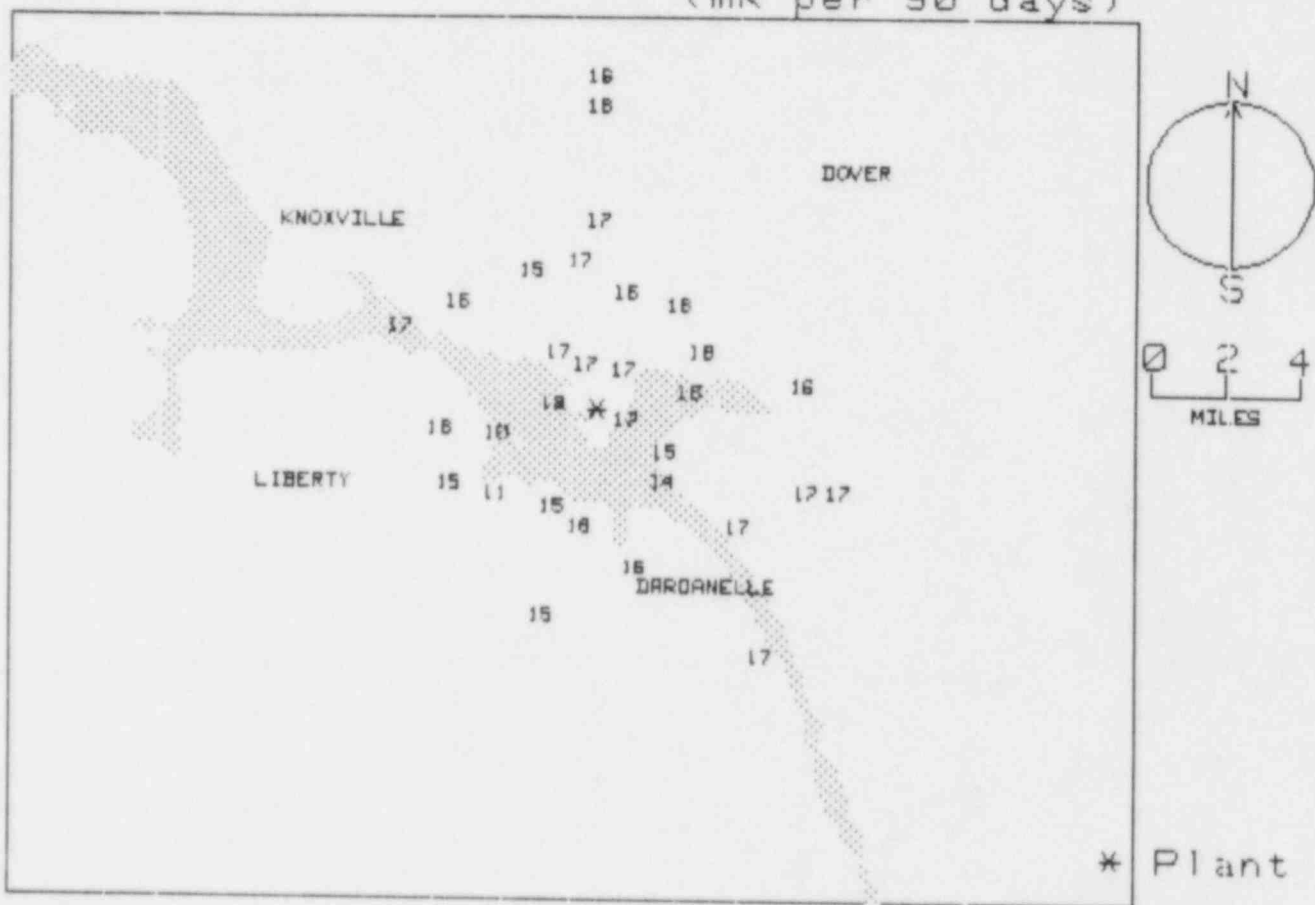
DISTANCE(mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
0-2	21.8 \pm .7	11
2-5	20.4 \pm 2.3	15
>5	21.1 \pm 1.5	12
UPWIND CONTROL DATA	NO DATA	NO DATA

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

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



BEAVER VALLEY
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
 FOR THE PERIOD 850923-860114 114 DAYS
 FIELD TIME 99 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)		NET EXPOSURE RATE		
	AZIMUTH/DIST (deg.)	(mi.)	+ Rdm	Tot.	mR/Std. Qtr. + Rdm	Tot.	
001	344	16.	20.3	+.6	17.8	+.6	4.8
002	006	13.	25.0	+.7	22.1	+.7	5.2
004	31	12.	23.0	+.7	20.2	+.7	5.0
005	55	8.4	22.2	+.7	19.6	+.7	5.0
006	60	9.5	22.9	+.7	20.2	+.7	5.0
007	357	8.0	21.5	+.6	18.9	+.6	4.9
008	110	4.3	21.0	+.7	19.2	+.6	4.9
009	110	2.2	23.5	+.7	20.7	+.7	5.1
010	91	3.4	22.6	+.7	19.9	+.7	5.0
011	77	3.7	22.9	+.7	20.2	+.7	5.0
012	153	4.2	25.1	+.8	22.2	+.7	5.2
013	170	4.4	21.7	+.6	19.1	+.6	4.9
014	190	4.4	21.4	+.6	18.8	+.6	4.9
015	200	3.5	23.1	+.7	20.4	+.7	5.0
016	264	5.6	21.7	+.6	19.1	+.6	4.9
017	270	3.3	21.2	+.6	18.7	+.6	4.9
018	232	3.4	21.9	+.7	19.3	+.6	4.9
019	267	3.3	24.0	+.7	21.2	+.7	5.1
020	294	3.4	19.0	+.6	16.7	+.6	4.7
021	286	1.4	23.4	+.7	20.6	+.7	5.1
022	220	1.3	22.1	+.7	19.5	+.6	4.9
023	255	2.3	22.2	+.7	19.6	+.7	5.0
024	209	2.1	23.0	+.7	20.3	+.7	5.0
025	186	2.1	23.2	+.7	20.4	+.7	5.0
026	190	2.2	23.0	+.7	20.2	+.7	5.0
027	125	3.0	23.1	+.7	20.4	+.7	5.0
028	87	1.6	22.0	+.7	20.1	+.7	5.0
029	59	1.5	22.1	+.7	19.4	+.6	4.9
030	58	1.2	21.5	+.6	18.9	+.6	4.9
031	320	1.2	23.9	+.7	21.1	+.7	5.1
032	325	3.5	22.3	+.7	19.6	+.7	5.0
033	341	3.5	22.3	+.7	19.6	+.7	5.0
034	343	3.2	21.0	+.6	18.4	+.6	4.9
035	9	3.6	22.9	+.7	20.2	+.7	5.0
036	14	3.3	25.1	+.8	22.2	+.7	5.2
037	37	3.0	19.7	+.6	17.3	+.6	4.8
038	22	1.8	21.5	+.6	18.9	+.6	4.9
039	351	1.6	21.0	+.7	19.2	+.6	4.9
040	344	16.	19.0	+.6	17.4	+.6	4.8
041	344	16.	19.3	+.6	16.9	+.6	4.7

TRANSIT DOSE = .7 +- .3 ; 4.3

BEAVER VALLEY
FOR THE PERIOD 850923-860114

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
348.75-11.25 (N)	20.1 \pm 1.4	4
11.25-33.75 (NNE)	20.4 \pm 1.6	3
33.75-56.25 (NE)	18.8 \pm 1.2	3
56.25-78.75 (ENE)	19.8 \pm .4	3
78.75-101.25 (E)	20.0 \pm .1	2
101.25-123.75 (ESE)	19.8 \pm 1.1	2
123.75-146.25 (SE)	20.4 \pm 0.0	1
146.25-168.75 (SSE)	22.2 \pm 0.0	1
168.75-191.25 (S)	19.6 \pm .8	4
191.25-213.75 (SSW)	20.3 \pm .1	2
213.75-236.25 (SW)	19.4 \pm .1	2
236.25-258.75 (WSW)	19.6 \pm 0.0	1
258.75-281.25 (W)	19.8 \pm 1.3	3
281.25-303.75 (WNW)	18.6 \pm 2.8	2
303.75-326.25 (NW)	20.3 \pm 1.0	2
326.25-348.75 (NNW)	19.0 \pm .8	2

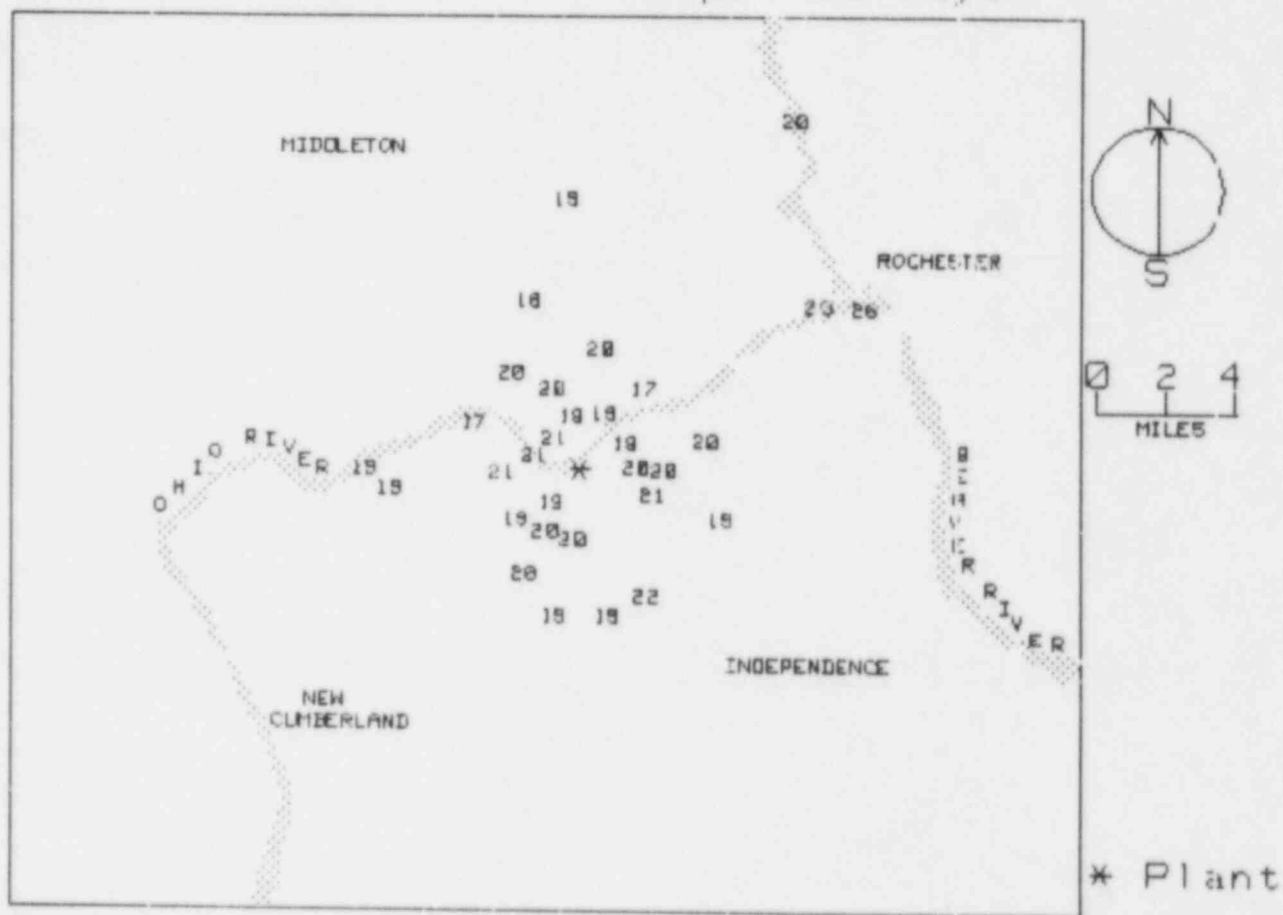
DISTANCE(mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
0-2	19.8 \pm .8	9
2-5	19.8 \pm 1.3	20
>5	19.8 \pm 1.2	8
UPWIND CONTROL DATA	17.4 \pm .5	3

BEAVER VALLEY

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING LOCATIONS

STATION	DIST(mi.)	DIR	DESCRIPTION
1	16.0	344	EAST PALESTINE ,OHIO
2	13.0	6	DARLINGTON
4	12.0	31	BEAVER FALLS
5	8.4	55	BEAVER
6	9.5	60	MONACA
7	8.0	357	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	16.0	344	EAST PALESTINE,OHIO
41	16.0	344	EAST PALESTINE,OHIO

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



BIG ROCK
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
 FOR THE PERIOD 850912-860203 145 DAYS
 FIELD TIME 98 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)		NET EXPOSURE RATE	
	AZIMUTH (deg.)	DIST (mi.)	+ Rdm	Tot.	mR/Std. Dtr. + Rdm	Tot.
001	200	4.9	25.1	+- .8	12.9	+- .9
002	220	3.6	23.1	+- .7	11.1	+- .8
003	204	2.4	23.6	+- .7	11.6	+- .8
004	176	3.3	22.6	+- .7	10.6	+- .8
005	161	4.6	23.9	+- .7	11.0	+- .8
006	133	4.7	25.4	+- .8	13.2	+- .9
007	116	3.7	27.2	+- .8	14.9	+- .9
008	111	4.7	27.5	+- .8	15.1	+- .9
009	90	4.5	24.0	+- .7	12.7	+- .8
010	000	12.	24.1	+- .7	12.0	+- .8
011	003	16.	24.0	+- .7	12.4	+- .8
012	003	16.	24.0	+- .7	11.9	+- .8
013	003	16.	23.7	+- .7	11.0	+- .8
014	77	3.4	23.0	+- .7	11.0	+- .8
015	96	1.0	25.0	+- .8	12.0	+- .8
016	110	2.0	25.0	+- .8	12.0	+- .8
017	134	2.0	24.1	+- .7	12.0	+- .8
018	222	1.9	22.0	+- .7	10.0	+- .8
019	194	1.4	26.3	+- .8	14.0	+- .9
020	179	1.5	30.0	+- .9	18.1	+- 1.0
021	153	1.1	25.2	+- .8	13.0	+- .9
TRANSIT DOSE = 11.0 +- .6			7.8			

BIG ROCK
FOR THE PERIOD 850912-860203

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
348.75-11.25 (N)	NO DATA+-NO DATA	0
11.25-33.75 (NNE)	NO DATA+-NO DATA	0
33.75-56.25 (NE)	NO DATA+-NO DATA	0
56.25-78.75 (ENE)	11.8 \pm 0.0	1
78.75-101.25 (E)	12.5 \pm .5	3
101.25-123.75 (ESE)	14.3 \pm 1.2	3
123.75-146.25 (SE)	12.8 \pm .8	2
146.25-168.75 (SSE)	12.4 \pm .8	2
168.75-191.25 (S)	14.4 \pm 5.3	2
191.25-213.75 (SSW)	12.8 \pm 1.2	3
213.75-236.25 (SW)	10.8 \pm .2	2
236.25-258.75 (WSW)	NO DATA+-NO DATA	0
258.75-281.25 (W)	NO DATA+-NO DATA	0
281.25-303.75 (WNW)	NO DATA+-NO DATA	0
303.75-326.25 (NW)	NO DATA+-NO DATA	0
326.25-348.75 (NNW)	NO DATA+-NO DATA	0

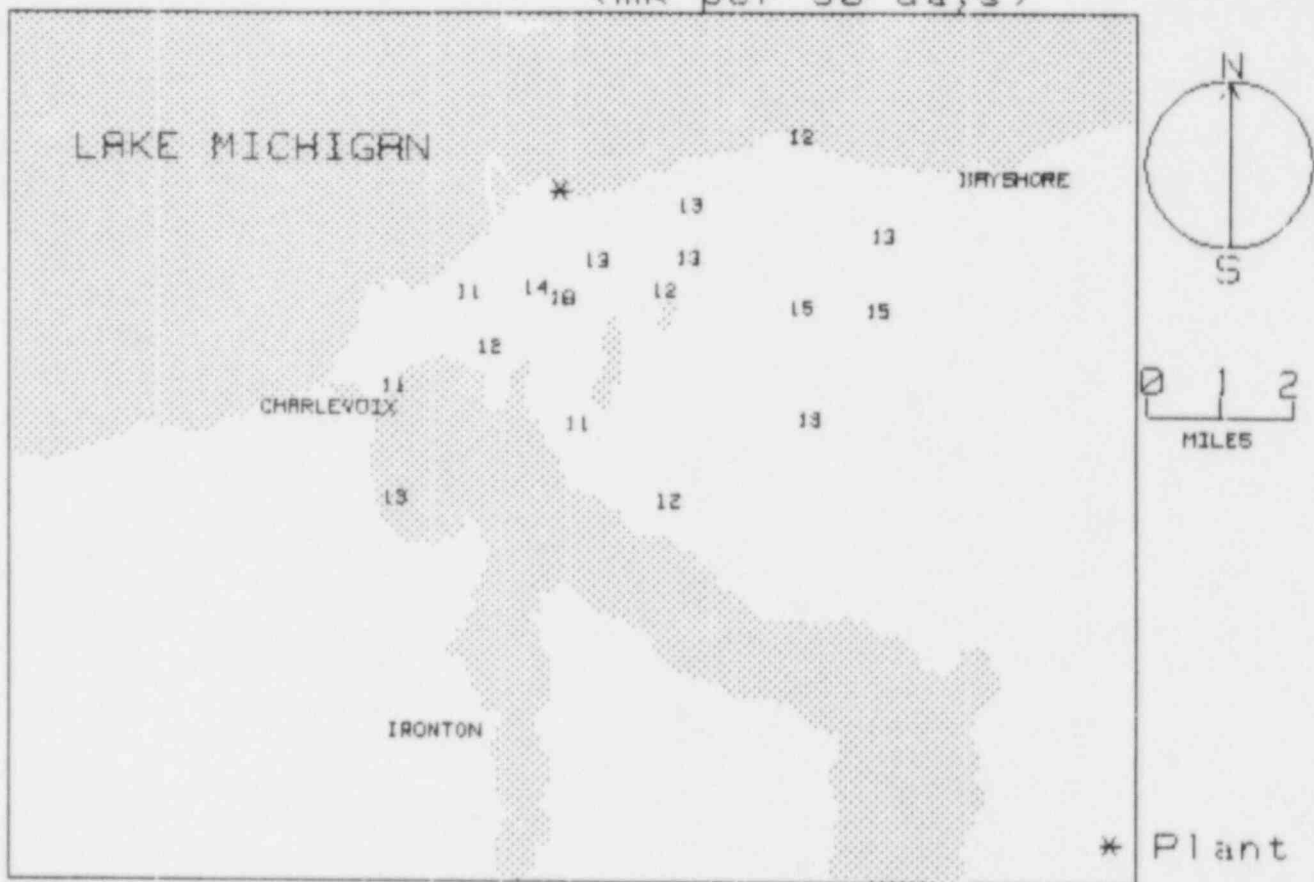
DISTANCE (mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
0-2	13.4 \pm 2.3	7
2-5	12.5 \pm 1.5	10
>5	12.0 \pm 0.0	1
UPWIND CONTROL DATA	12.8 \pm .4	3

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 ROAD & GUN CLUB)
21	1.1	153	US 31

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



BRAIDWOOD
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
 FOR THE PERIOD 850912-860108 119 DAYS
 FIELD TIME 93 DAYS

NRC STATION	LOCATION		GROSS		NET EXPOSURE RATE	
	AZIMUTH/DIST (deg.) (mi.)		EXPOSURE(mR)		mR/Std.Qtr.	
			+ - Rdm; Tot.		+ - Rdm; Tot.	
001	351	.8	21.9 +- .7	3.3	NO NET DATA	
002	19	1.3	22.5 +- .7	3.4	NO NET DATA	
003	45	2	18.1 +- .5	2.7	NO NET DATA	
004	66	2.1	21.8 +- .7	3.3	NO NET DATA	
005	87	1.8	20.9 +- .6	3.1	NO NET DATA	
006	114	2	24.3 +- .7	3.6	NO NET DATA	
007	133	2.7	22.7 +- .7	3.4	NO NET DATA	
008	151	2.8	20.9 +- .6	3.1	NO NET DATA	
009	178	3.9	28.2 +- .8	4.2	NO NET DATA	
010	197	2.8	22.3 +- .7	3.3	NO NET DATA	
011	222	1.4	20.2 +- .6	3.0	NO NET DATA	
012	252	1.1	22.2 +- .7	3.3	NO NET DATA	
013	261	1.0	21.9 +- .7	3.3	NO NET DATA	
014	278	1.2	20.5 +- .6	3.1	NO NET DATA	
015	310	1.3	21.4 +- .6	3.2	NO NET DATA	
016	335	1.6	17.1 +- .5	2.6	NO NET DATA	
017	359	1.5	22.7 +- .7	3.4	NO NET DATA	
018	018	3.5	26.4 +- .8	4.0	NO NET DATA	
019	042	6.3	22.1 +- .7	3.3	NO NET DATA	
020	069	5.7	21.1 +- .6	3.2	NO NET DATA	
021	086	6.8	23.7 +- .7	3.6	NO NET DATA	
022	100	10'	22.9 +- .7	3.4	NO NET DATA	
023	45'	4.9	22.0 +- .7	3.4	NO NET DATA	
024	070	4.2	22.4 +- .7	3.4	NO NET DATA	
025	086	4.1	19.2 +- .6	2.9	NO NET DATA	
026	113	4.4	22.5 +- .7	3.4	NO NET DATA	
027	142	6.4	22.7 +- .7	3.4	NO NET DATA	
028	161	6.1	22.2 +- .7	3.3	NO NET DATA	
029	180	6.1	MISSING OR DAMAGED DOSIMETER			
030	191	5.8	27.5 +- .8	4.1	NO NET DATA	
031	230	5.8	25.1 +- .8	3.8	NO NET DATA	
032	266	5.3	22.1 +- .7	3.3	NO NET DATA	
033	289	4.1	23.8 +- .7	3.6	NO NET DATA	
034	315	4.3	24.0 +- .7	3.6	NO NET DATA	
035	333	4.5	22.8 +- .7	3.4	NO NET DATA	
036	000	5.9	21.4 +- .6	3.2	NO NET DATA	
037	021	5.3	21.1 +- .6	3.2	NO NET DATA	
038	190	10'	19.8 +- .6	3.0	NO NET DATA	
039	224	13'	20.3 +- .6	3.0	NO NET DATA	
040	224	13'	24.5 +- .7	3.7	NO NET DATA	

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

BRAIDWOOD
FOR THE PERIOD 850912-860108

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	* IN GROUP
348.75-11.25 (N)	21.3 \pm .8	3
11.25-33.75 (NNE)	22.6 \pm 2.7	3
33.75-56.25 (NE)	20.3 \pm 2.5	3
56.25-78.75 (ENE)	21.1 \pm .8	3
78.75-101.25 (E)	21.0 \pm 2.0	4
101.25-123.75 (ESE)	22.6 \pm 1.2	2
123.75-146.25 (SE)	21.8 \pm .8	2
146.25-168.75 (SSE)	20.8 \pm .9	2
168.75-191.25 (S)	24.3 \pm 4.5	3
191.25-213.75 (SSW)	21.5 \pm 0.0	1
213.75-236.25 (SW)	21.9 \pm 3.3	2
236.25-258.75 (WSW)	21.4 \pm 0.0	1
258.75-281.25 (W)	20.8 \pm .8	3
281.25-303.75 (WNW)	23.0 \pm 0.0	1
303.75-326.25 (NW)	21.9 \pm 1.8	2
326.25-348.75 (NNW)	19.3 \pm 3.9	2

DISTANCE(mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	* IN GROUP
0-2	20.4 \pm 1.9	12
2-5	22.3 \pm 2.2	13
>5	21.8 \pm 2.0	12
UPWIND CONTROL DATA	21.7 \pm 2.8	2

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/.5 MI.S. OF SMILEY RD
6	2.0	114	ESSEX NR BRAIDWOOD TRAIN. CTR.
7	2.7	133	ESSEX/.5 MI.S.OF COOPER/TAMEN 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/37500S & 2240W
27	6.4	142	W1400N & N300W
28	6.1	161	W1600N & N300W
29	6.1	180	POLE AFTER BRIDGE IN MINES
30	5.8	1	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)

MAP FOR BRAIDWOOD

Map will be provided for this site in the future.

BROWNS FERRY
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
 FOR THE PERIOD 850916-860114 121 DAYS
 FIELD TIME 92 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)		NET EXPOSURE RATE		
	AZIMUTH (deg.)	DIST (mi.)	+ Rdm	Tot.	mR/Std. Qtr. + Rdm	Tot.	
001	130	9	16.0	+	16.0	+	4.4
002	133	5.5	15.0	+	14.0	+	4.4
003	153	4.0	16.0	+	16.1	+	4.4
004	210	5.0	21.0	+	20.0	+	5.0
005	220	6.0	16.0	+	16.0	+	4.4
006	245	4.5	20.0	+	19.0	+	4.4
007	269	1.9	18.0	+	17.0	+	4.4
008	257	11.0	18.0	+	17.0	+	4.4
009	295	7.0	18.0	+	17.0	+	4.4
010	292	4.0	18.0	+	17.0	+	4.4
011	269	1.1	19.0	+	18.0	+	4.4
012	240	2.0	17.0	+	16.0	+	4.4
013	220	1.0	20.0	+	20.1	+	5.1
014	260	1.0	18.0	+	18.0	+	4.4
015	201	0.0	19.0	+	18.0	+	4.4
016	181	0.0	17.0	+	16.0	+	4.4
017	50	9.0	19.0	+	18.0	+	4.4
018	51	0.0	18.0	+	17.0	+	4.4
019	62	0.0	18.0	+	17.0	+	4.4
020	66	0.0	20.0	+	19.0	+	4.4
021	111	0.1	21.0	+	20.0	+	5.0
022	64	1.1	22.0	+	21.0	+	5.1
023	90	2.0	20.0	+	19.0	+	4.4
024	111	0.0	20.0	+	19.0	+	4.4
025	46	2.0	18.0	+	17.0	+	4.4
026	26	1.0	20.0	+	19.0	+	4.4
027	333	1.0	19.0	+	18.0	+	4.4
028	335	1.0	21.0	+	20.0	+	5.0
029	27	0.0	19.0	+	18.0	+	4.4
030	0	4.0	17.0	+	16.0	+	4.4
031	340	0.0	20.0	+	19.0	+	4.4
032	12	0.0	19.0	+	18.0	+	4.4
033	0	1.0	22.0	+	21.0	+	5.1
034	52	1.0	18.0	+	18.0	+	4.4
035	95	0.4	18.0	+	18.0	+	4.4
036	60	0.0	20.0	+	19.0	+	4.4
037	149	0.0	17.0	+	16.0	+	4.4
038	164	0.0	15.0	+	14.0	+	4.4
TRANSIT DOSE =		.4	+	.2	;	3.9	

BROWNS FERRY
FOR THE PERIOD 850916-860114

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std. Dev.	# IN GROUP
348.75-11.25 (N)	19.0 \pm 3.6	2
11.25-33.75 (NNE)	19.3 \pm .9	2
33.75-56.25 (NE)	17.8 \pm .5	4
56.25-78.75 (ENE)	19.4 \pm 2.0	3
78.75-101.25 (E)	18.9 \pm .7	3
101.25-123.75 (ESE)	20.1 \pm 1.0	2
123.75-146.25 (SE)	15.4 \pm .8	2
146.25-168.75 (SSE)	15.9 \pm 1.1	3
168.75-191.25 (S)	16.8 \pm 0.0	1
191.25-213.75 (SSW)	19.5 \pm 1.1	2
213.75-236.25 (SW)	19.1 \pm 4.4	2
236.25-258.75 (WSW)	18.1 \pm 1.7	2
258.75-281.25 (W)	18.1 \pm .5	2
281.25-303.75 (WNW)	17.5 \pm .5	2
303.75-326.25 (NW)	18.6 \pm 0.0	1
326.25-348.75 (NNW)	19.4 \pm 1.1	3

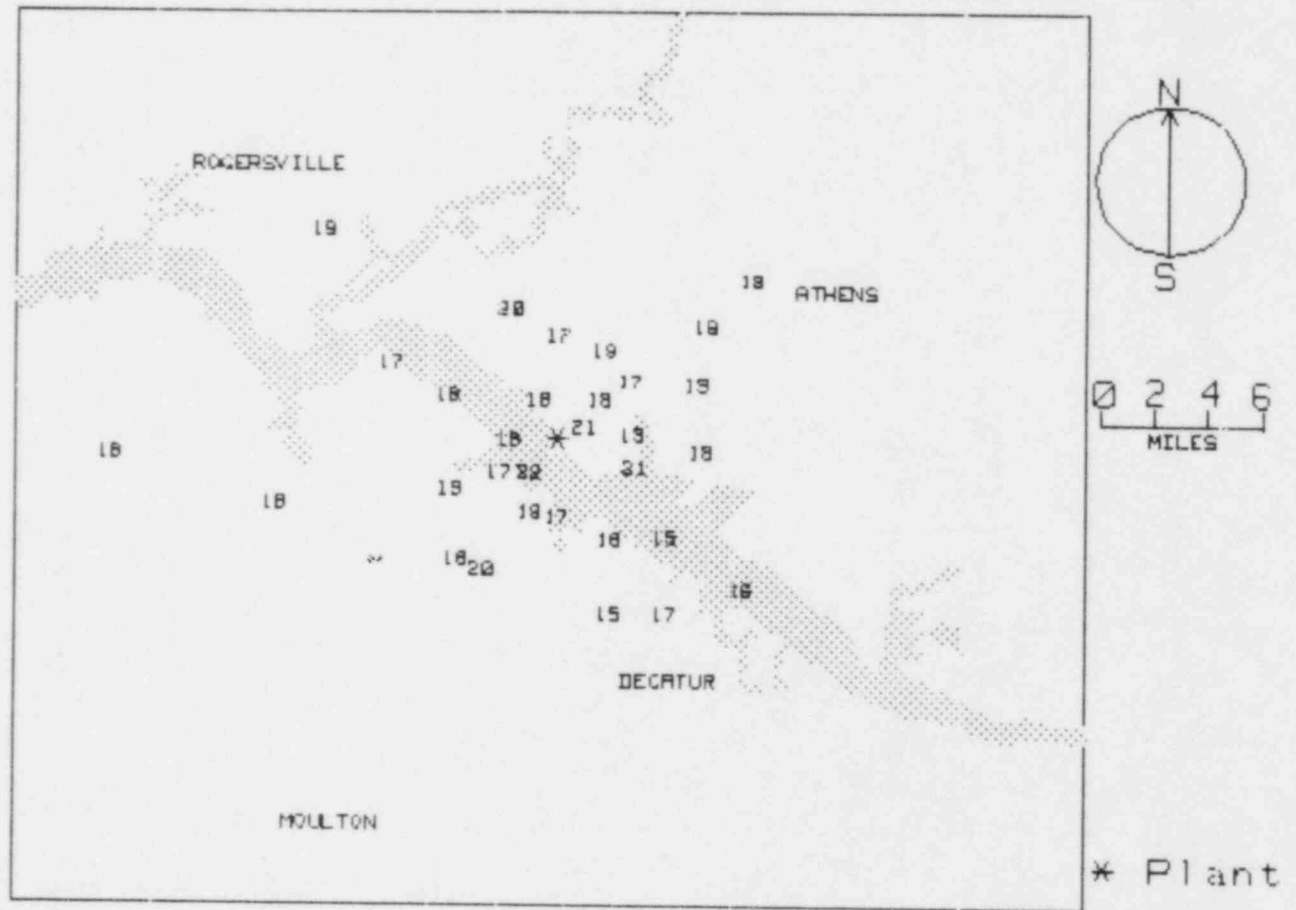
DISTANCE(mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std. Dev.	# IN GROUP
0-2	19.9 \pm 1.6	9
2-5	17.9 \pm 1.4	13
>5	17.6 \pm 1.8	14
UPWIND CONTROL DATA	17.9 \pm .1	2

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

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



BRUNSWICK
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
 FOR THE PERIOD 850916-860114 121 DAYS
 FIELD TIME 72 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)		NET EXPOSURE RATE	
	AZIMUTH/DIST (deg.) (mi.)		+/- Rdm; Tot.		mR/Std. Dev. +/- Rdm; Tot.	
001	260	2.2	15.3 +- .5	2.3	12.9 +- .7	6.5
002	245	3.4	15.1 +- .5	2.3	12.6 +- .7	6.5
003	231	3.8	14.8 +- .4	2.2	12.2 +- .7	6.4
004	210	4.9	17.3 +- .5	2.6	15.3 +- .8	6.7
005	186	4.3	16.1 +- .5	2.4	13.9 +- .7	6.6
006	270	4.5	14.9 +- .4	2.2	12.4 +- .7	6.4
007	272	4.4	16.6 +- .5	2.5	14.4 +- .7	6.6
008	73	1.3	16.1 +- .5	2.4	13.9 +- .7	6.6
009	97	1.6	16.3 +- .5	2.4	14.1 +- .7	6.6
010	120	1.5	17.2 +- .5	2.6	15.2 +- .8	6.6
011	131	0.9	17.2 +- .5	2.6	15.2 +- .8	6.6
012	156	1.1	17.4 +- .5	2.6	15.5 +- .8	6.7
013	180	1.1	16.7 +- .5	2.5	14.6 +- .7	6.6
014	194	2.4	16.0 +- .4	2.4	13.7 +- .7	6.5
015	201	2.6	16.1 +- .4	2.4	13.8 +- .7	6.5
016	218	1.2	16.0 +- .4	2.4	13.7 +- .7	6.5
017	252	1.1	16.7 +- .5	2.5	14.6 +- .7	6.6
018	272	1.2	16.4 +- .5	2.5	14.2 +- .7	6.6
019	19	1.1	16.0 +- .4	2.4	13.7 +- .7	6.5
020	2	1.1	15.9 +- .4	2.4	13.6 +- .7	6.5
021	288	1.3	14.6 +- .4	2.2	11.9 +- .7	6.4
022	307	1.5	15.8 +- .4	2.4	13.4 +- .7	6.5
023	338	2.1	16.3 +- .4	2.4	14.1 +- .7	6.6
024	325	4.9	15.4 +- .3	2.3	13.9 +- .7	6.5
025	338	3.8	17.1 +- .6	2.6	15.1 +- .8	6.6
026	356	5.2	16.0 +- .4	2.4	13.7 +- .7	6.5
027	30	6.4	15.6 +- .3	2.3	13.2 +- .7	6.5
028	43	9.8	17.0 +- .5	2.5	14.9 +- .8	6.6
029	50	8.5	17.1 +- .5	2.5	15.1 +- .8	6.6
030	59	7.2	16.7 +- .5	2.5	14.6 +- .7	6.6
031	65	6.5	16.4 +- .5	2.5	14.2 +- .7	6.6
032	74	5.8	17.1 +- .6	2.6	15.1 +- .8	6.6
033	88	4.1	15.3 +- .3	2.3	12.9 +- .7	6.5
034	12/	17.	16.2 +- .4	2.4	13.9 +- .7	6.6
035	16/	18.	15.1 +- .3	2.3	12.6 +- .7	6.5
036	204	16.	17.5 +- .6	2.6	15.6 +- .8	6.7
037	204	16.	17.8 +- .7	2.7	15.9 +- .8	6.7
038	205	16.	16.6 +- .5	2.5	14.4 +- .7	6.6
039	207	4.6	15.4 +- .3	2.3	13.0 +- .7	6.5
040	271	0.7	17.8 +- .5	2.7	15.9 +- .8	6.7

TRANSIT DOSE = 5.0 +- .3 ; 4.7

BRUNSWICK
FOR THE PERIOD 850916-860114

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
348.75-11.25 (N)	13.7 \pm .1	2
11.25-33.75 (NNE)	13.4 \pm .6	4
33.75-56.25 (NE)	15.0 \pm .1	2
56.25-78.75 (ENE)	14.4 \pm .5	4
78.75-101.25 (E)	13.5 \pm .8	2
101.25-123.75 (ESE)	15.2 \pm 0.0	1
123.75-146.25 (SE)	15.2 \pm 0.0	1
146.25-168.75 (SSE)	15.5 \pm 0.0	1
168.75-191.25 (S)	14.2 \pm .5	2
191.25-213.75 (SSW)	14.3 \pm .9	3
213.75-236.25 (SW)	13.0 \pm 1.1	2
236.25-258.75 (WSW)	13.6 \pm 1.4	2
258.75-281.25 (W)	14.0 \pm 1.4	5
281.25-303.75 (WNW)	12.5 \pm .8	2
303.75-326.25 (NW)	13.2 \pm .3	2
326.25-348.75 (NNW)	14.6 \pm .8	2

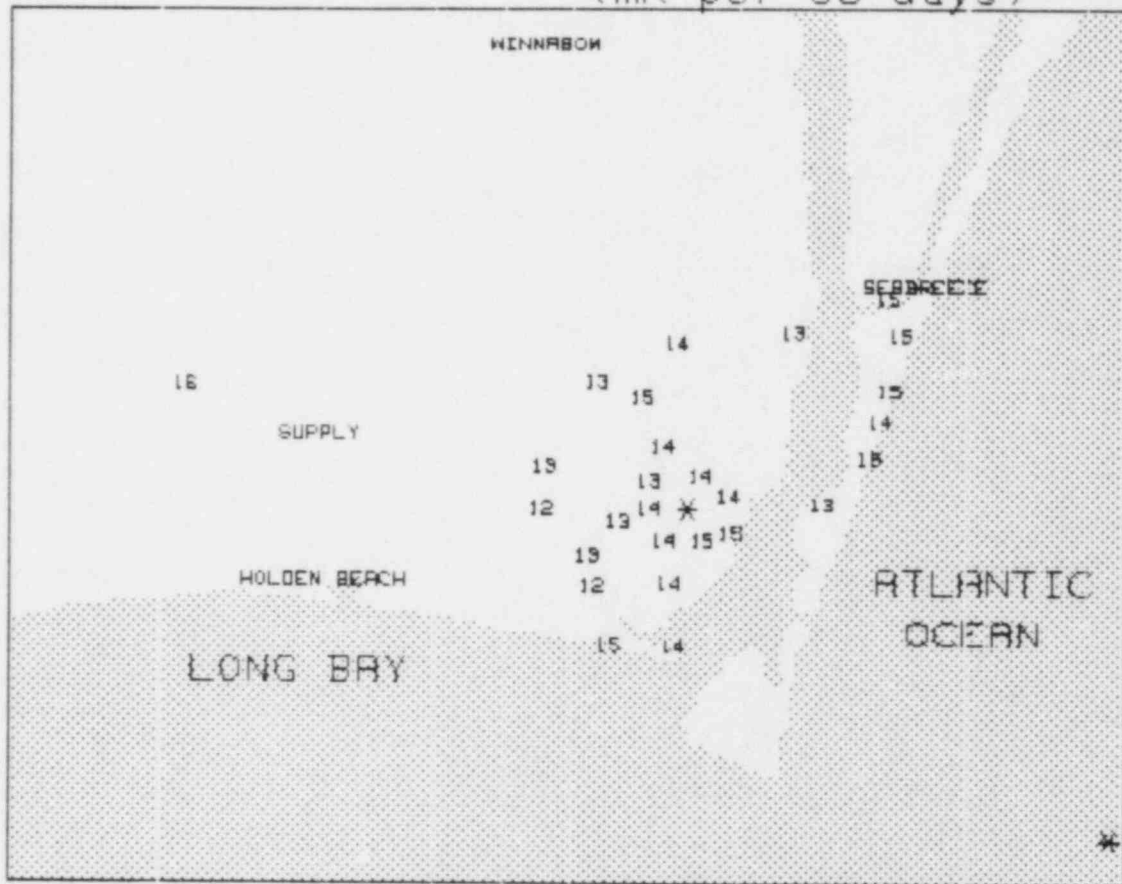
DISTANCE(mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
0-2	14.2 \pm 1.0	15
2-5	13.5 \pm 1.0	13
>5	14.1 \pm .8	9
UPWIND CONTROL DATA	15.3 \pm .8	3

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	2.1	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	16.0	284	SUPPLY (NC RT. 211 & RD. 1115)
37	16.0	284	SUPPLY (NC RT. 211 & RT. 17)
38	16.0	285	SUPPLY (NC RT. 17 & RD. 1115)
39	4.6	287	COUNTY WATER PLANT
40	.7	271	0.5 MILES E. OF HWY. 87

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



BYRON
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
 FOR THE PERIOD 850912-860108 119 DAYS
 FIELD TIME 93 DAYS

NRC STATION	LOCATION		GROSS		NET EXPOSURE RATE	
	AZIMUTH/ (deg.)	DIST (mi.)	EXPOSURE (mR)		mR/Std. Otr.	
			+ - Rdm; Tot.		+ - Rdm; Tot.	
001	10	1.1	22.7	+- .7	16.0	+- .7
002	23	1.0	21.0	+- .7	17.9	+- .7
003	46	1.0	19.1	+- .6	15.4	+- .5
004	68	1.0	25.5	+- .6	21.5	+- .5
005	86	1.4	25.5	+- .6	21.6	+- .5
006	112	1.3	23.1	+- .7	19.2	+- .5
007	133	1.4	26.1	+- .7	22.1	+- .5
008	175	2.2	22.0	+- .7	18.2	+- .7
009	156	0.5	19.3	+- .6	15.6	+- .5
010	183	0.5	24.0	+- .7	20.0	+- .5
011	210	0.5	22.9	+- .7	19.0	+- .5
012	236	0.9	21.0	+- .6	17.4	+- .5
013	247	0.0	20.5	+- .6	16.7	+- .5
014	262	0.7	24.9	+- .7	21.0	+- .5
015	298	0.0	24.2	+- .7	20.1	+- .5
016	326	1.0	19.5	+- .6	15.7	+- .5
017	333	1.0	17.0	+- .5	14.1	+- .4
018	23	4.0	18.3	+- .5	15.1	+- .4
019	17	4.1	18.0	+- .5	14.2	+- .4
020	5	4.3	20.7	+- .5	16.9	+- .4
021	348	4.2	24.0	+- .5	20.1	+- .4
022	322	4.9	24.9	+- .5	21.0	+- .4
023	384	6.9	18.6	+- .5	14.9	+- .4
024	278	4.0	19.0	+- .5	16.0	+- .4
025	244	4.6	18.3	+- .5	14.5	+- .4
026	224	4.0	18.7	+- .5	15.0	+- .4
027	213	5.2	19.6	+- .5	15.0	+- .4
028	289	14.	18.1	+- .5	14.3	+- .4
029	215	13.	19.9	+- .5	16.1	+- .4
030	215	13.	21.1	+- .5	17.2	+- .4
031	284	4.6	16.0	+- .4	12.3	+- .4
032	178	4.4	19.0	+- .4	16.0	+- .4
033	155	3.9	22.7	+- .4	18.0	+- .4
034	138	4.6	20.0	+- .4	17.0	+- .4
035	118	4.4	21.6	+- .4	17.0	+- .4
036	81	3.0	19.5	+- .4	15.7	+- .4
037	70	5.5	21.7	+- .4	17.0	+- .4
038	45	4.0	18.0	+- .4	14.2	+- .4
039	40	6.0	21.3	+- .4	17.5	+- .4
040	45	15.	18.9	+- .4	15.2	+- .4
041	320	3.0	24.6	+- .4	20.7	+- .4
TRANSIT DOSE = 3.2 +- .3			; 4.9			

BYRON
FOR THE PERIOD 850912-860108

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std. Dev.	# IN GROUP
348.75-11.25 (N)	17.8 \pm 1.4	2
11.25-33.75 (NNE)	15.8 \pm 1.9	3
33.75-56.25 (NE)	15.6 \pm 1.4	4
56.25-78.75 (ENE)	19.7 \pm 2.6	2
78.75-101.25 (E)	18.7 \pm 4.1	2
101.25-123.75 (ESE)	18.5 \pm 1.0	2
123.75-146.25 (SE)	19.5 \pm 3.6	2
146.25-168.75 (SSE)	17.2 \pm 2.3	2
168.75-191.25 (S)	18.3 \pm 2.4	3
191.25-213.75 (SSW)	15.7 \pm 3.4	3
213.75-236.25 (SW)	16.2 \pm 1.7	2
236.25-258.75 (WSW)	15.6 \pm 1.5	2
258.75-281.25 (W)	18.5 \pm 3.5	2
281.25-303.75 (WNW)	20.2 \pm 0.0	1
303.75-326.25 (NW)	18.1 \pm 3.2	4
326.25-348.75 (NNW)	17.1 \pm 4.2	2

DISTANCE(mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std. Dev.	# IN GROUP
0-2	18.6 \pm 2.5	16
2-5	16.7 \pm 2.5	17
>5	16.2 \pm 1.4	5
UPWIND CONTROL DATA	15.8 \pm 1.5	3

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	N SILVER CR RD(SO OF MIDTOWN RD)
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

MAP FOR BYRON

Map will be provided for this site in the future.

CALLAWAY
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
 FOR THE PERIOD 850913-860108 118 DAYS
 FIELD TIME 83 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)		NET EXPOSURE RATE	
	AZIMUTH (deg.)	DIST (mi.)	+ Rdm	Tot.	mR/Std. Qtr. + Rdm	Tot.
001	247	2.1	26.5	+- .08	24.1	+- .09
002	259	1.4	24.5	+- .10	21.9	+- .09
003	282	1.3	23.9	+- .10	21.2	+- .09
004	304	1.3	25.2	+- .10	22.7	+- .09
005	330	1.7	25.3	+- .10	22.7	+- .09
006	1	1.7	19.0	+- .10	16.0	+- .10
007	23	2.7	19.5	+- .10	16.4	+- .10
008	77	1.7	20.1	+- .10	17.1	+- .10
009	85	1.4	22.3	+- .10	19.5	+- .10
010	98	1.5	20.3	+- .10	17.3	+- .10
011	121	2.2	25.3	+- .10	22.0	+- .10
012	140	2.2	23.6	+- .10	20.9	+- .10
013	158	2.5	21.6	+- .10	18.0	+- .10
014	183	3.7	22.3	+- .10	19.5	+- .10
015	188	1.7	20.0	+- .10	17.9	+- .10
016	202	1.7	20.2	+- .10	17.2	+- .10
017	237	1.7	23.7	+- .10	21.0	+- .10
018	312	1.1	20.0	+- .10	17.0	+- .10
019	292	1.0	22.2	+- .10	19.4	+- .10
020	268	0.9	20.0	+- .10	17.9	+- .10
021	247	0.0	24.0	+- .10	21.4	+- .10
022	225	0.0	21.7	+- .10	18.9	+- .10
023	220	0.0	25.7	+- .10	23.0	+- .10
024	205	0.5	23.3	+- .10	20.0	+- .10
025	157	0.4	26.1	+- .10	23.0	+- .10
026	134	0.5	19.5	+- .10	16.4	+- .10
027	115	0.2	26.0	+- .10	23.0	+- .10
028	95	0.5	25.7	+- .10	23.0	+- .10
029	67	0.4	22.6	+- .10	19.0	+- .10
030	48	0.5	19.4	+- .10	16.4	+- .10
031	14	0.5	20.9	+- .10	18.0	+- .10
032	2	0.1	21.3	+- .10	18.4	+- .10
033	335	0.6	19.3	+- .10	16.0	+- .10
034	288	0.3	22.3	+- .10	19.5	+- .10
035	310	0.2	21.0	+- .10	19.0	+- .10
036	264	0.2	16.2	+- .10	12.9	+- .10
037	237	0.0	21.0	+- .10	18.9	+- .10
038	270	15	22.2	+- .10	19.4	+- .10
039	270	15	23.0	+- .10	20.0	+- .10
040	203	20	22.1	+- .10	19.2	+- .10

TRANSIT DOSE = 4.3 +- .3 ; 4.8

CALLAWAY
FOR THE PERIOD 850913-860108

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
348.75-11.25 (N)	17.6 \pm 1.2	2
11.25-33.75 (NNE)	17.2 \pm 1.1	2
33.75-56.25 (NE)	16.4 \pm 0.0	1
56.25-78.75 (ENE)	18.5 \pm 2.0	2
78.75-101.25 (E)	20.0 \pm 3.0	3
101.25-123.75 (ESE)	23.1 \pm .5	2
123.75-146.25 (SE)	18.6 \pm 3.1	2
146.25-168.75 (SSE)	21.2 \pm 3.4	2
168.75-191.25 (S)	18.7 \pm 1.2	2
191.25-213.75 (SSW)	18.9 \pm 2.4	2
213.75-236.25 (SW)	21.0 \pm 3.1	2
236.25-258.75 (WSW)	21.3 \pm 2.1	4
258.75-281.25 (W)	17.6 \pm 4.5	3
281.25-303.75 (WNW)	20.0 \pm 1.0	3
303.75-326.25 (NW)	19.5 \pm 2.9	3
326.25-348.75 (NNW)	19.5 \pm 4.6	2

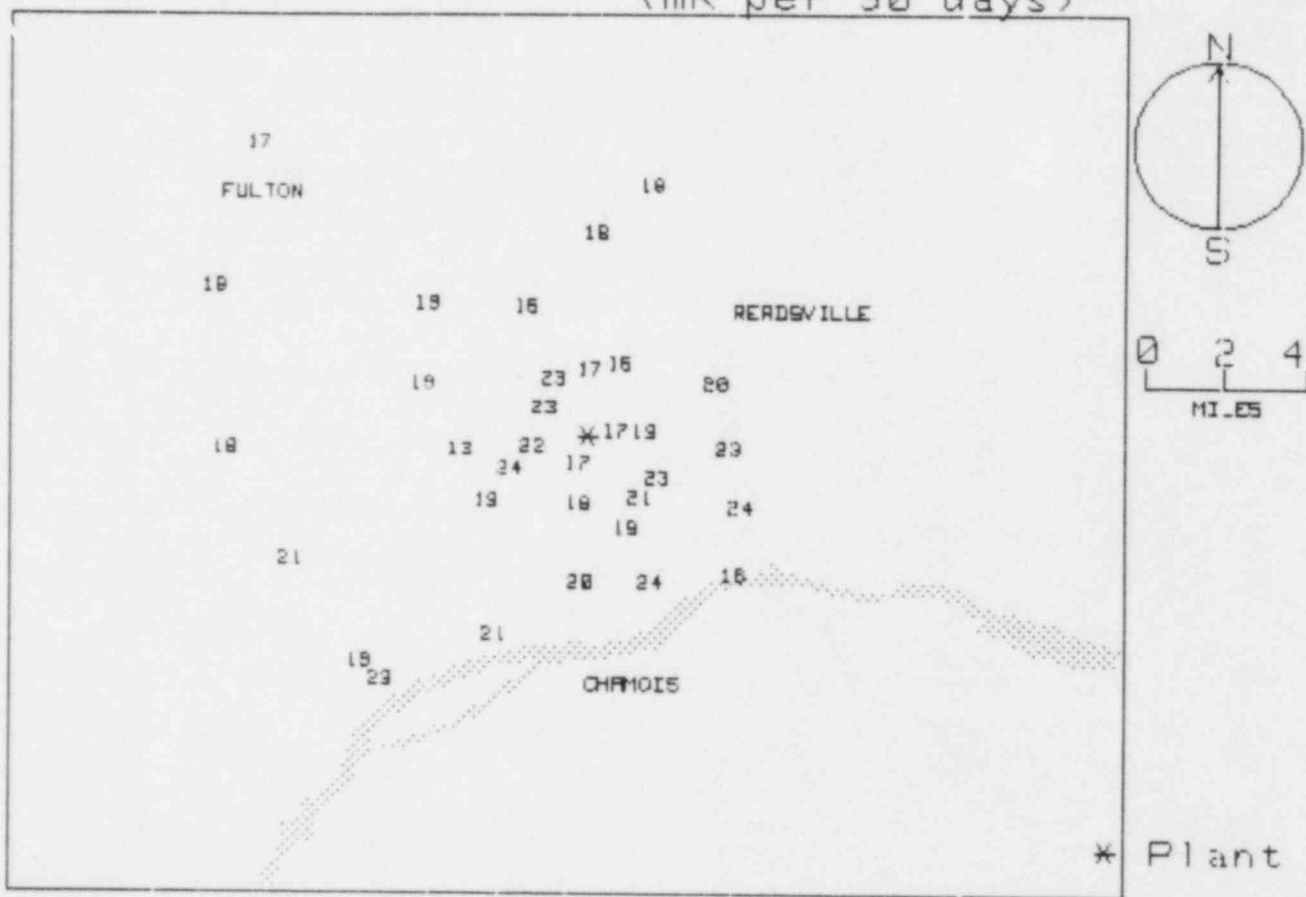
DISTANCE(mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
0-2	19.7 \pm 2.5	14
2-5	19.4 \pm 3.4	13
>5	19.4 \pm 1.9	10
UPWIND CONTROL DATA	19.6 \pm .5	3

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 PNE/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

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



CALVERT CLIFFS
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
 FOR THE PERIOD 850930-860108 101 DAYS
 FIELD TIME 97 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE(mR)			NET EXPOSURE RATE	
	AZIMUTH (deg.)	DIST (mi.)	+ -	Rdm;	Tot.	mR/Std.Qtr.	+ - Rdm; Tot.
001	275	1.5	16.1	+-	.5	2.4	NO NET DATA
003	284	1.7	15.3	+-	.5	2.3	NO NET DATA
004	323	2.4	13.5	+-	.4	2.0	NO NET DATA
005	297	3.1	16.4	+-	.5	2.5	NO NET DATA
006	324	4.7	16.3	+-	.5	2.4	NO NET DATA
007	324	5.5	12.4	+-	.4	1.9	NO NET DATA
008	256	6.1	14.7	+-	.4	2.2	NO NET DATA
009	273	4.1	17.4	+-	.5	2.6	NO NET DATA
010	253	3.7	16.1	+-	.5	2.4	NO NET DATA
011	230	4	17.6	+-	.5	2.5	NO NET DATA
012	243	1.3	14.7	+-	.4	2.2	NO NET DATA
013	222	1.5	18.3	+-	.5	2.7	NO NET DATA
014	208	1.8	12.7	+-	.4	1.9	NO NET DATA
015	176	2.4	17.3	+-	.5	2.6	NO NET DATA
016	160	1.5	16.4	+-	.5	2.5	NO NET DATA
019	159	3.8	14.8	+-	.4	2.2	NO NET DATA
020	139	4.7	14.5	+-	.4	2.2	NO NET DATA
021	201	4	13.3	+-	.4	2.0	NO NET DATA
022	187	4.7	13.6	+-	.4	2.0	NO NET DATA
023	201	8.7	14.3	+-	.4	2.1	NO NET DATA
024	190	7.8	12.9	+-	.4	1.9	NO NET DATA
025	325	6.7	13.5	+-	.4	2.0	NO NET DATA
026	314	11.	12.6	+-	.4	1.9	NO NET DATA
027	314	11.	12.6	+-	.4	1.9	NO NET DATA
028	315	10.	17.4	+-	.5	2.6	NO NET DATA
029	186	12.	16.6	+-	.5	2.5	NO NET DATA

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

CALVERT CLIFFS
FOR THE PERIOD 850930-860108

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std. Dev.	# IN GROUP
348.75-11.25 (N)	NO DATA+-NO DATA	0
11.25-33.75 (NNE)	NO DATA+-NO DATA	0
33.75-56.25 (NE)	NO DATA+-NO DATA	0
56.25-78.75 (ENE)	NO DATA+-NO DATA	0
78.75-101.25 (E)	NO DATA+-NO DATA	0
101.25-123.75 (ESE)	NO DATA+-NO DATA	0
123.75-146.25 (SE)	13.5 \pm 0.0	1
146.25-168.75 (SSE)	14.4 \pm 1.0	2
168.75-191.25 (S)	14.0 \pm 2.0	4
191.25-213.75 (SSW)	12.5 \pm .7	3
213.75-236.25 (SW)	16.6 \pm .5	2
236.25-258.75 (WSW)	14.0 \pm .8	3
258.75-281.25 (W)	15.5 \pm .9	2
281.25-303.75 (WNW)	14.7 \pm .7	2
303.75-326.25 (NW)	12.9 \pm 1.5	4
326.25-348.75 (NNW)	NO DATA+-NO DATA	0

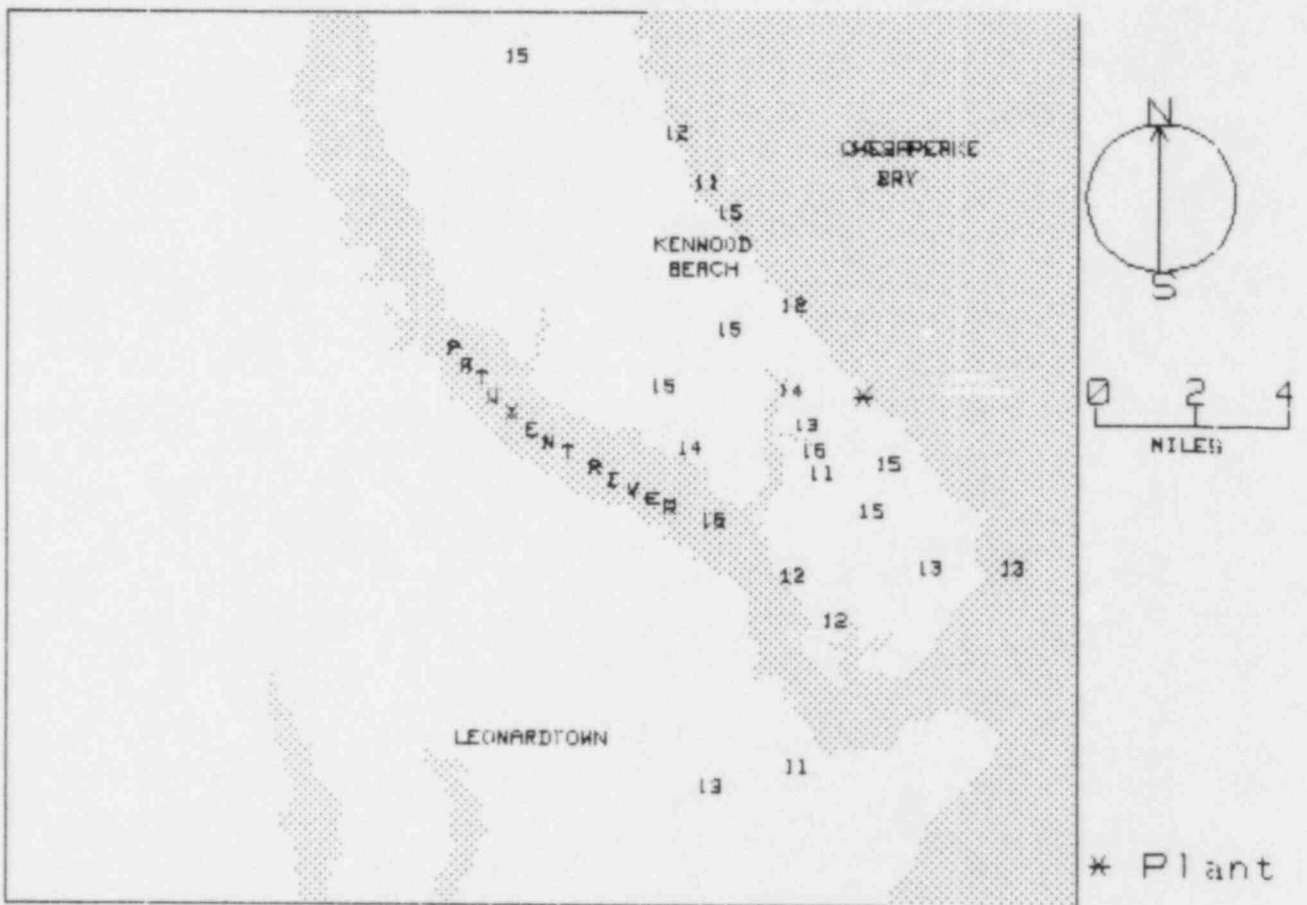
DISTANCE(mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std. Dev.	# IN GROUP
0-2	14.4 \pm 1.7	6
2-5	14.4 \pm 1.5	11
>5	13.0 \pm 1.4	6
UPWIND CONTROL DATA	13.1 \pm 2.6	3

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(JOHN'S 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	11.0	314	PRINCE FREDERICK
27	11.0	314	PRINCE FREDERICK
28	10.0	315	PRINCE FREDERICK
29	12.0	186	LEXINGTON PARK

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



CATAWBA
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
 FOR THE PERIOD 850917-860122 128 DAYS
 FIELD TIME 92 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)		NET EXPOSURE RATE	
	AZIMUTH (deg.)	DIST (mi.)	+ Rdm	Tot.	mR/Std. Dtr. + Rdm	Tot.
001	134	0.1	21.7	0.6	15.4	0.7
002	162	0.4	20.4	0.6	14.2	0.7
003	132	0.8	23.1	0.7	16.0	0.6
004	111	1.3	19.9	0.6	13.7	0.9
005	045	0.7	20.2	0.6	14.0	0.4
006	298	1.3	22.6	0.7	16.4	0.5
007	004	0.6	19.5	0.6	13.3	0.6
008	332	1.5	26.2	0.6	19.9	0.6
009	318	1.6	MISSING OR DAMAGED DOSIMETER			
010	176	1.0	MISSING OR DAMAGED DOSIMETER			
011	203	1.5	21.4	0.6	15.2	0.4
012	225	1.0	23.2	0.7	17.0	0.6
013	250	1.9	18.5	0.6	12.4	0.6
014	270	1.4	18.0	0.6	11.0	0.2
015	331	3.0	18.0	0.6	12.7	0.3
016	311	3.9	18.1	0.6	11.9	0.2
017	296	4.0	23.9	0.7	17.6	0.6
018	324	4.0	20.6	0.6	14.4	0.4
019	352	4.0	17.9	0.6	11.0	0.2
020	022	4.0	20.7	0.6	14.5	0.4
021	290	3.9	19.7	0.6	13.5	0.3
022	266	4.0	24.2	0.7	17.9	0.7
023	251	4.0	15.0	0.6	10.9	0.8
024	229	3.9	16.6	0.6	10.5	1.1
025	202	4.4	20.3	0.7	17.0	0.6
026	051	4.3	22.4	0.7	16.1	0.5
027	064	7.9	17.0	0.6	10.0	0.3
028	061	4.9	19.9	0.6	13.7	0.3
029	049	1.9	25.4	0.6	19.1	0.7
030	064	1.0	19.5	0.6	13.3	0.3
031	007	1.6	18.7	0.6	12.6	0.3
032	121	2.0	21.5	0.6	15.3	0.4
033	114	7.0	MISSING OR DAMAGED DOSIMETER			
034	093	4.5	21.4	0.6	15.2	0.4
035	132	4.3	25.7	0.6	19.4	0.8
036	163	0.9	16.9	0.6	10.0	1.1
037	173	4.9	19.5	0.6	13.3	0.3
038	157	4.6	25.2	0.6	18.9	0.7
039	240	10.	20.1	0.6	13.9	0.4
040	229	12.	21.3	0.6	15.1	0.4
041	210	13.	20.0	0.6	14.0	0.4
042	213	16.	21.0	0.7	15.5	0.5
TRANSIT DOSE =			5.9	+ .4	5.0	

CATAWBA
FOR THE PERIOD 850917-860122

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
348.75-11.25 (N)	12.6 \pm 1.1	2
11.25-33.75 (NNE)	14.5 \pm 0.0	1
33.75-56.25 (NE)	16.4 \pm 2.5	3
56.25-78.75 (ENE)	12.6 \pm 1.5	3
78.75-101.25 (E)	13.9 \pm 1.9	2
101.25-123.75 (ESE)	14.5 \pm 1.1	2
123.75-146.25 (SE)	17.2 \pm 2.0	3
146.25-168.75 (SSE)	14.6 \pm 4.1	3
168.75-191.25 (S)	13.3 \pm 0.0	1
191.25-213.75 (SSW)	16.1 \pm 1.3	2
213.75-236.25 (SW)	13.7 \pm 4.6	2
236.25-258.75 (WSW)	11.7 \pm 2.6	3
258.75-281.25 (W)	14.9 \pm 4.3	2
281.25-303.75 (WNW)	15.8 \pm 2.1	3
303.75-326.25 (NW)	13.1 \pm 1.7	2
326.25-348.75 (NNW)	16.3 \pm 5.1	2

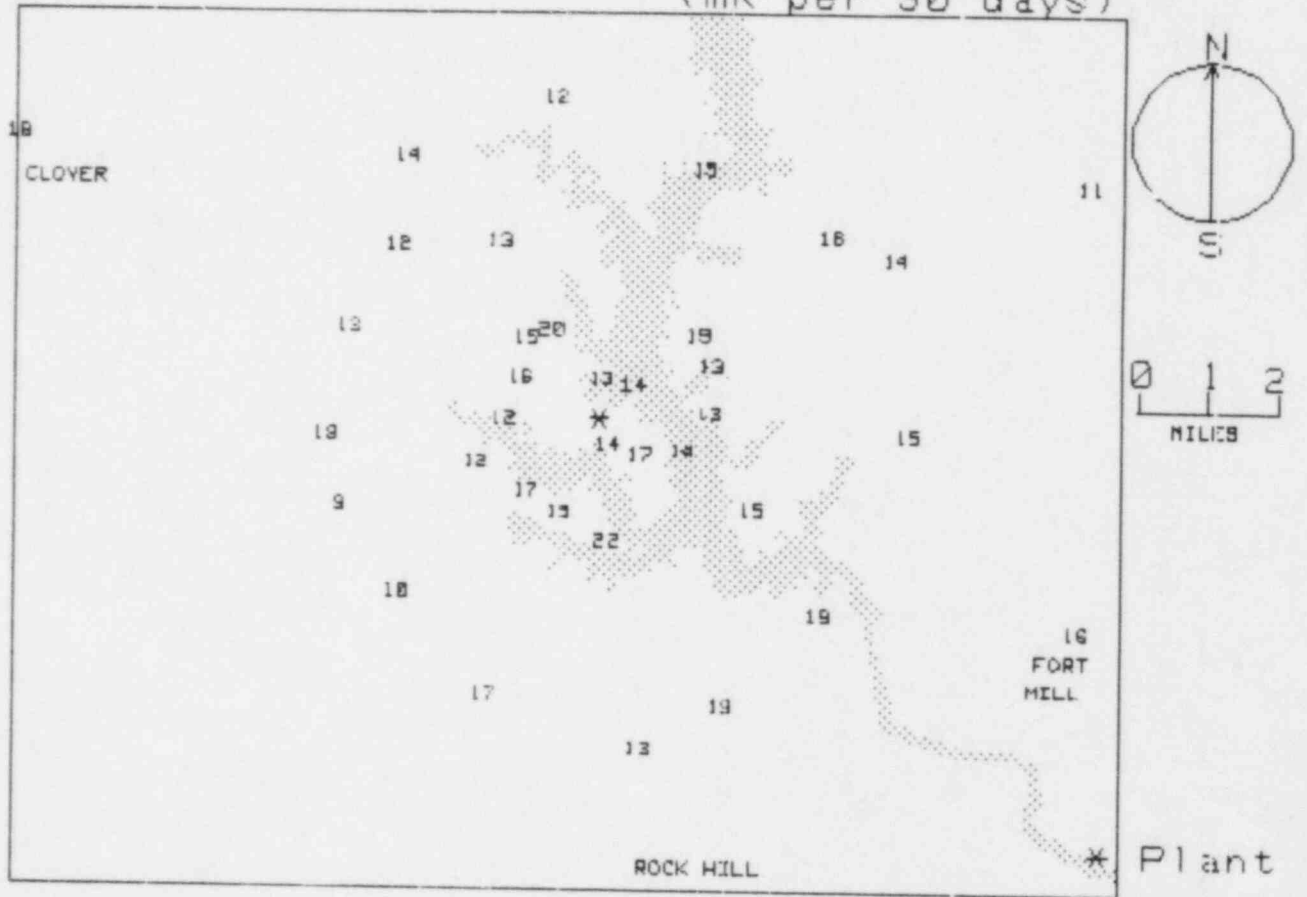
DISTANCE(mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
0-2	15.0 \pm 2.4	15
2-5	14.4 \pm 2.9	17
>5	13.3 \pm 3.3	4
UPWIND CONTROL DATA	15.1 \pm .5	3

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. HAMILTON & 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 CRY(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 RESOURCES 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)

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



CLINTON
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
 FOR THE PERIOD 850912-860108 119 DAYS
 FIELD TIME 94 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)			NET EXPOSURE RATE			
	AZIMUTH (deg.)	DIST (mi.)	+ Rdm	Tot.		mR/Std. Qtr. + Rdm	Tot.		
001	352	0.6	27.1	+.8	4.1	22.7	+.8	6.1	
002	7	0.7	21.7	+.6	3.2	17.5	+.7	5.7	
003	26	0.8	24.3	+.7	3.0	20.0	+.6	5.9	
004	165	0.5	22.3	+.7	3.3	18.1	+.7	5.7	
005	187	0.5	22.2	+.7	3.3	18.1	+.7	5.7	
006	223	0.6	22.6	+.7	3.4	18.4	+.7	5.8	
007	238	0.8	22.5	+.7	3.4	18.3	+.7	5.7	
008	62	1.9	22.2	+.7	3.3	18.1	+.7	5.7	
009	78	1.8	21.1	+.6	2.2	17.0	+.7	5.6	
010	79	2.6	21.4	+.6	2.2	17.2	+.7	5.7	
011	104	2.3	21.6	+.6	2.2	17.5	+.7	5.7	
012	115	3.0	18.8	+.6	2.0	14.7	+.6	5.5	
013	127	3.2	21.7	+.7	3.3	17.6	+.7	5.7	
014	160	2.1	21.6	+.6	2.2	17.4	+.7	5.7	
015	180	3.0	23.0	+.7	3.5	18.8	+.7	5.8	
016	203	3.2	20.7	+.6	3.1	16.6	+.7	5.6	
017	235	3.7	18.7	+.6	2.8	14.7	+.6	5.5	
018	255	2.8	24.5	+.7	3.7	20.3	+.8	5.9	
019	275	2.3	20.7	+.6	3.1	16.6	+.7	5.6	
020	302	0.9	21.5	+.6	3.2	17.3	+.7	5.7	
021	305	0.8	21.6	+.6	3.2	17.4	+.7	5.7	
022	332	0.6	22.1	+.7	3.3	18.0	+.7	5.7	
023	350	4.6	21.7	+.6	3.2	17.5	+.7	5.7	
024	20	3.9	21.8	+.7	3.3	17.7	+.7	5.7	
025	46	5.0	22.3	+.7	3.3	18.1	+.7	5.7	
026	62	5.5	20.3	+.6	3.0	16.2	+.7	5.6	
027	90	4.0	21.7	+.7	3.3	17.6	+.7	5.7	
028	115	5.2	25.1	+.8	3.9	20.0	+.8	6.0	
029	128	5.1	21.0	+.6	3.1	16.9	+.7	5.6	
030	153	5.8	21.6	+.6	3.2	17.5	+.7	5.7	
031	173	5.2	21.1	+.6	3.2	17.0	+.7	5.6	
032	205	4.7	21.1	+.6	3.2	17.0	+.7	5.6	
033	236	5.4	22.1	+.7	3.3	18.0	+.7	5.7	
034	252	5.8	21.3	+.6	3.2	17.2	+.7	5.7	
035	263	6.6	MISSING OR DAMAGED DOSIMETER						
036	272	4.8	21.4	+.6	3.2	17.3	+.7	5.7	
037	288	4.8	21.5	+.6	3.2	17.3	+.7	5.7	
038	297	7.6	19.7	+.6	2.9	15.6	+.6	5.5	
039	315	5.1	22.3	+.7	3.3	18.1	+.7	5.7	
040	342	4.8	21.8	+.7	3.3	17.6	+.7	5.7	
041	65/	10.	22.2	+.7	3.3	18.1	+.7	5.7	
042	148	14.	20.9	+.6	3.1	16.8	+.7	5.6	
043	148	14.	22.0	+.7	3.3	17.8	+.7	5.7	
044	206	15.	18.9	+.6	2.8	14.9	+.6	5.5	

TRANSIT DOSE = 3.3 +- .3 ; 5.0

CLINTON
FOR THE PERIOD 850912-860108

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
348.75-11.25 (N)	19.2 \pm 3.0	3
11.25-33.75 (NNE)	18.8 \pm 1.7	2
33.75-56.25 (NE)	18.1 \pm 0.0	1
56.25-78.75 (ENE)	17.3 \pm .9	4
78.75-101.25 (E)	17.4 \pm .2	2
101.25-123.75 (ESE)	17.7 \pm 3.0	3
123.75-146.25 (SE)	17.2 \pm .5	2
146.25-168.75 (SSE)	17.7 \pm .4	3
168.75-191.25 (S)	17.8 \pm .9	3
191.25-213.75 (SSW)	16.8 \pm .3	2
213.75-236.25 (SW)	17.0 \pm 2.1	3
236.25-258.75 (WSW)	18.6 \pm 1.6	3
258.75-281.25 (W)	17.0 \pm .5	2
281.25-303.75 (WNW)	16.8 \pm 1.0	3
303.75-326.25 (NW)	17.8 \pm .5	2
326.25-348.75 (NNW)	17.8 \pm .2	2

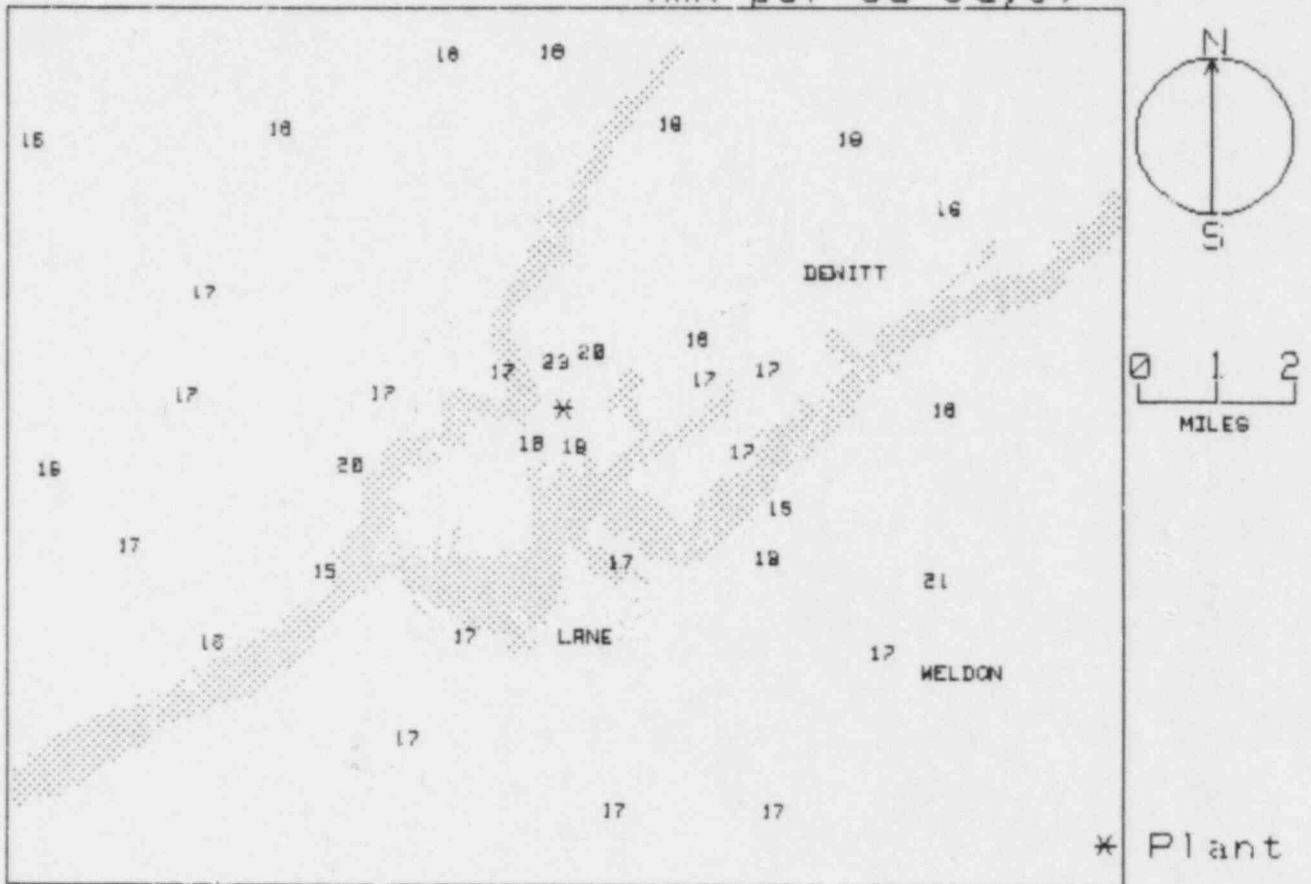
DISTANCE(mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
0-2	18.4 \pm 1.5	12
2-5	17.3 \pm 1.3	18
>5	17.5 \pm 1.4	10
UPWIND CONTROL DATA	16.5 \pm 1.5	3

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	NAPELLA 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	14.0	148	ARGENTA MUNIC. BLDG.
43	14.0	148	ARGENTA MUNIC. BLDG.
44	15.0	206	EMERY(R.R. XING)

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



COMANCHE PK.
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
 FOR THE PERIOD 850911-860121 133 DAYS
 FIELD TIME 99 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)		NET EXPOSURE RATE	
	AZIMUTH/DIST (deg.)	(mi.)	+ Rdm; Tot.		mR/Std. Qtr. + Rdm; Tot.	
001	306	1.4	19.1	+-	14.0	+-
002	285	1.5	20.2	+-	14.9	+-
003	268	1.1	19.1	+-	13.9	+-
004	253	.9	20.7	+-	15.4	+-
005	218	1.0	20.7	+-	15.4	+-
006	200	1	16.0	+-	11.9	+-
007	180	1.4	18.1	+-	13.0	+-
008	163	1.6	20.1	+-	14.9	+-
009	140	1.3	20.3	+-	15.0	+-
010	118	1.5	18.0	+-	13.0	+-
011	93	1.9	21.0	+-	16.4	+-
012	73	2.4	21.0	+-	16.3	+-
013	245	1.7	18.0	+-	13.0	+-
014	156	4.3	17.4	+-	13.4	+-
015	186	7.3	19.4	+-	14.0	+-
016	183	4.1	21.3	+-	16.0	+-
017	205	4.3	20.0	+-	14.0	+-
018	225	3.4	17.0	+-	12.0	+-
019	245	3.2	19.0	+-	14.0	+-
020	264	3.0	17.0	+-	12.0	+-
021	258	3.2	17.9	+-	12.0	+-
022	284	3.1	18.1	+-	13.0	+-
023	313	3.0	MISSING OR DAMAGED DOSIMETER			
024	332	4.9	18.0	+-	13.7	+-
025	9	4.6	19.4	+-	14.2	+-
026	26	4.5	18.3	+-	13.2	+-
027	47	4.1	17.6	+-	12.6	+-
028	6	1.0	19.0	+-	13.9	+-
029	16	1.9	18.0	+-	13.7	+-
030	102	3	18.0	+-	13.7	+-
031	108	3.9	18.5	+-	13.4	+-
032	135	4.6	19.9	+-	14.7	+-
033	152	6.3	18.5	+-	13.4	+-
034	47	2.9	17.4	+-	12.4	+-
035	85	4.0	20.1	+-	14.0	+-
036	115	7.5	19.2	+-	14.1	+-
037	355	9.4	18.3	+-	13.2	+-
038	337	9.2	18.1	+-	13.1	+-
039	318	9.9	18.5	+-	13.4	+-
040	302	8.1	18.2	+-	13.2	+-
041	248	7.9	20.2	+-	15.0	+-
042	90	.5	15.7	+-	10.9	+-
043	18	9.8	19.1	+-	14.0	+-
044	263	1.7	17.1	+-	12.2	+-
045	218	12.	19.0	+-	13.0	+-
046	140	12.	20.0	+-	14.0	+-
047	301	21.	18.6	+-	13.5	+-
TRANSIT DOSE =			3.7	+-	.4	; 5.3

COMANCHE PK.
FOR THE PERIOD 850911-860121

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
348.75-11.25 (N)	13.8 \pm .5	3
11.25-33.75 (NNE)	13.6 \pm .4	3
33.75-56.25 (NE)	12.5 \pm .1	2
56.25-78.75 (ENE)	16.2 \pm 0.0	1
78.75-101.25 (E)	14.0 \pm 2.9	3
101.25-123.75 (ESE)	13.5 \pm .5	4
123.75-146.25 (SE)	14.8 \pm .2	3
146.25-168.75 (SSE)	13.5 \pm 1.3	3
168.75-191.25 (S)	14.4 \pm 1.5	3
191.25-213.75 (SSW)	13.3 \pm 2.1	2
213.75-236.25 (SW)	14.0 \pm 1.3	3
236.25-258.75 (WSW)	14.2 \pm 1.2	5
258.75-281.25 (W)	13.0 \pm .9	3
281.25-303.75 (WNW)	13.7 \pm .9	4
303.75-326.25 (NW)	13.7 \pm .4	2
326.25-348.75 (NNW)	13.4 \pm .4	2

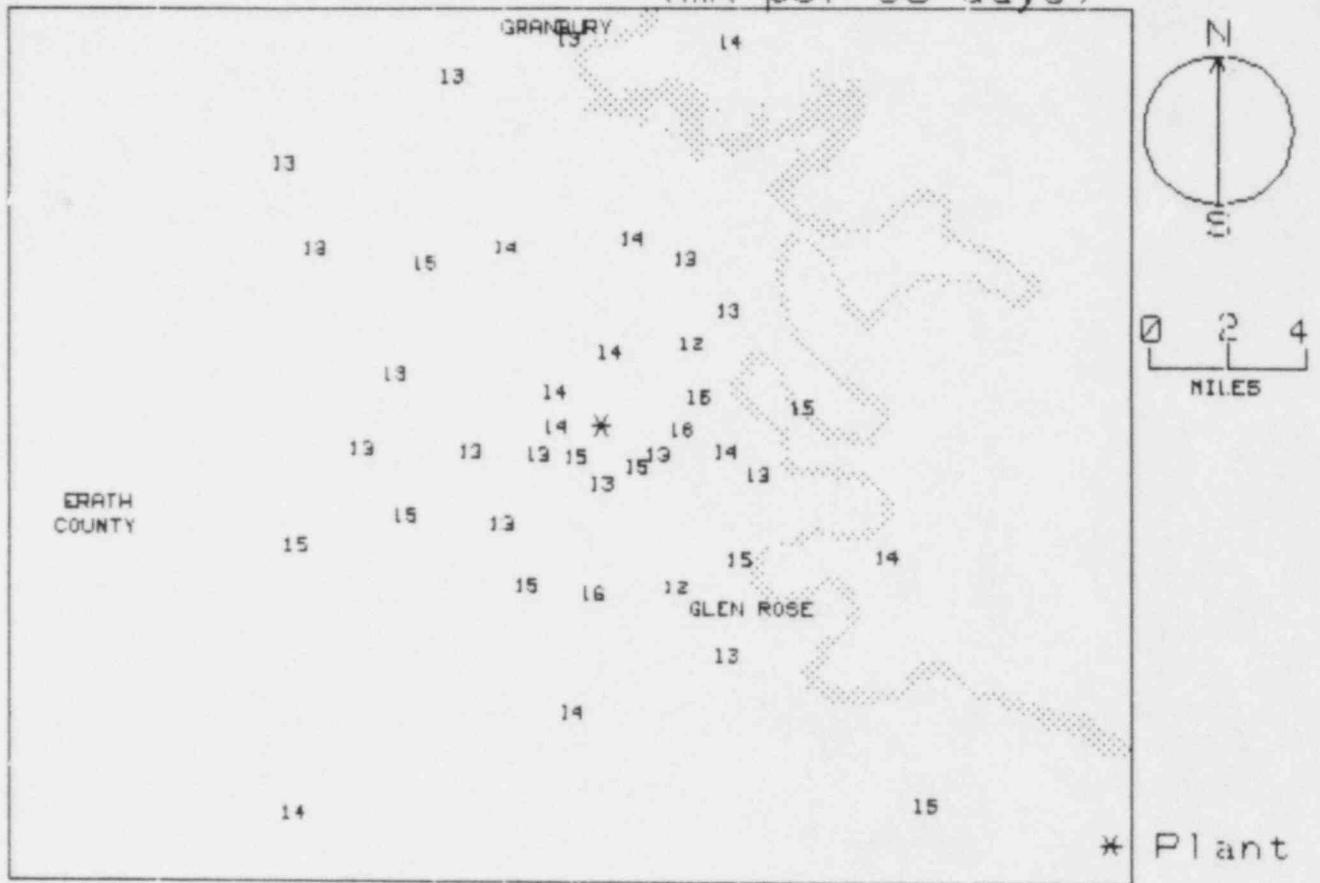
DISTANCE(mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
0-2	13.8 \pm 1.5	18
2-5	13.9 \pm 1.2	15
>5	13.7 \pm .7	15
UPWIND CONTROL DATA	NO DATA	NO DATA

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
5	1.0	218	SITE OF TEXAS TLD#5
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

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



COOPER
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
 FOR THE PERIOD 850911-860116 128 DAYS
 FIELD TIME 93 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)			NET EXPOSURE RATE		
	AZIMUTH (deg.)	DIST (mi.)	+ Rdm	± Tot.		mR/Std. Qtr.	+ Rdm	± Tot.
001	363	2.4	24.7	± .7	3.7	19.6	± .00	6.2
002	6	3.5	23.9	± .7	3.6	18.0	± .00	6.2
003	18	2.7	25.7	± .8	3.0	20.6	± .00	6.3
004	16	3.2	23.8	± .7	3.6	18.0	± .00	6.2
005	47	1.9	24.9	± .7	3.7	19.8	± .00	6.3
006	40	3.5	25.5	± .8	3.0	20.4	± .00	6.3
007	75	2.7	24.5	± .7	3.7	19.5	± .00	6.2
008	55	2.8	23.7	± .7	3.6	18.7	± .00	6.2
009	80	2.1	25.2	± .8	3.0	20.2	± .00	6.3
010	98	3.7	24.5	± .7	3.7	19.4	± .00	6.2
011	118	2.9	24.5	± .7	3.7	19.4	± .00	6.2
012	109	4.6	25.7	± .8	3.9	20.6	± .00	6.3
013	141	3.2	24.2	± .7	3.6	19.1	± .00	6.2
014	126	5.6	23.7	± .7	3.5	18.7	± .00	6.1
015	159	2.7	23.2	± .7	3.5	18.2	± .00	6.3
016	167	4.9	25.7	± .8	3.9	20.6	± .00	6.4
017	205	8.3	26.4	± .8	4.8	21.0	± .00	6.2
018	186	4.7	24.6	± .7	3.7	19.6	± .00	6.2
019	213	3.8	24.4	± .7	3.7	19.3	± .00	6.2
020	195	4.9	26.3	± .8	3.9	21.2	± .00	6.4
021	222	2.8	22.6	± .7	3.4	17.6	± .00	6.1
022	215	5.7	25.8	± .8	3.9	20.7	± .00	6.3
023	256	1.5	24.8	± .7	3.6	19.8	± .00	6.2
024	238	5.2	25.5	± .8	3.8	20.4	± .00	6.3
025	276	2.2	26.7	± .8	4.6	21.6	± .00	6.4
026	268	3.8	25.9	± .8	3.9	20.8	± .00	6.3
027	301	1.8	25.5	± .8	3.8	20.4	± .00	6.3
028	286	4.3	24.6	± .7	3.7	19.5	± .00	6.2
029	324	2.8	24.8	± .7	3.7	19.7	± .00	6.2
030	333	2.7	24.5	± .7	3.7	19.5	± .00	6.2
031	343	2.6	25.8	± .8	3.9	20.7	± .00	6.3
032	333	3.7	25.3	± .8	3.8	20.2	± .00	6.3
033	215	1.8	25.8	± .8	3.7	19.9	± .00	6.3
034	173	18.	MISSING OR DAMAGED DOSIMETER					
035	333	23.	24.8	± .7	3.7	19.7	± .00	6.2
036	218	19.	25.8	± .8	3.9	20.7	± .00	6.3
037	64	7.8	28.2	± .9	4.2	23.1	± .00	6.5
038	329	9.8	28.9	± .9	4.3	23.7	± .00	6.6
039	276	18.	25.3	± .8	3.8	20.2	± .00	6.3
040	388	2.5	25.8	± .8	3.9	20.7	± .00	6.3
042	93	3.5	24.1	± .7	3.6	19.8	± .00	6.2
043	278	2.2	25.2	± .8	3.8	20.2	± .00	6.3
049	245	1.6	MISSING OR DAMAGED DOSIMETER					
TRANSIT DOSE =			4.4	± .4	5.3			

COOPER
FOR THE PERIOD 850911-860116

A-51

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std. Dev.	# IN GROUP
348.75-11.25 (N)	19.2 \pm .5	2
11.25-33.75 (NNE)	19.7 \pm 1.3	2
33.75-56.25 (NE)	19.6 \pm .9	3
56.25-78.75 (ENE)	21.3 \pm 2.5	2
78.75-101.25 (E)	19.5 \pm .6	3
101.25-123.75 (ESE)	20.0 \pm .9	2
123.75-146.25 (SE)	18.9 \pm .3	2
146.25-168.75 (SSE)	19.4 \pm 1.7	2
168.75-191.25 (S)	19.6 \pm 0.0	1
191.25-213.75 (SSW)	20.6 \pm 1.1	3
213.75-236.25 (SW)	19.4 \pm 1.6	3
236.25-258.75 (WSW)	19.7 \pm 1.0	2
258.75-281.25 (W)	20.7 \pm .7	4
281.25-303.75 (WNW)	20.2 \pm .6	3
303.75-326.25 (NW)	19.7 \pm 0.0	1
326.25-348.75 (NNW)	21.0 \pm 1.9	4

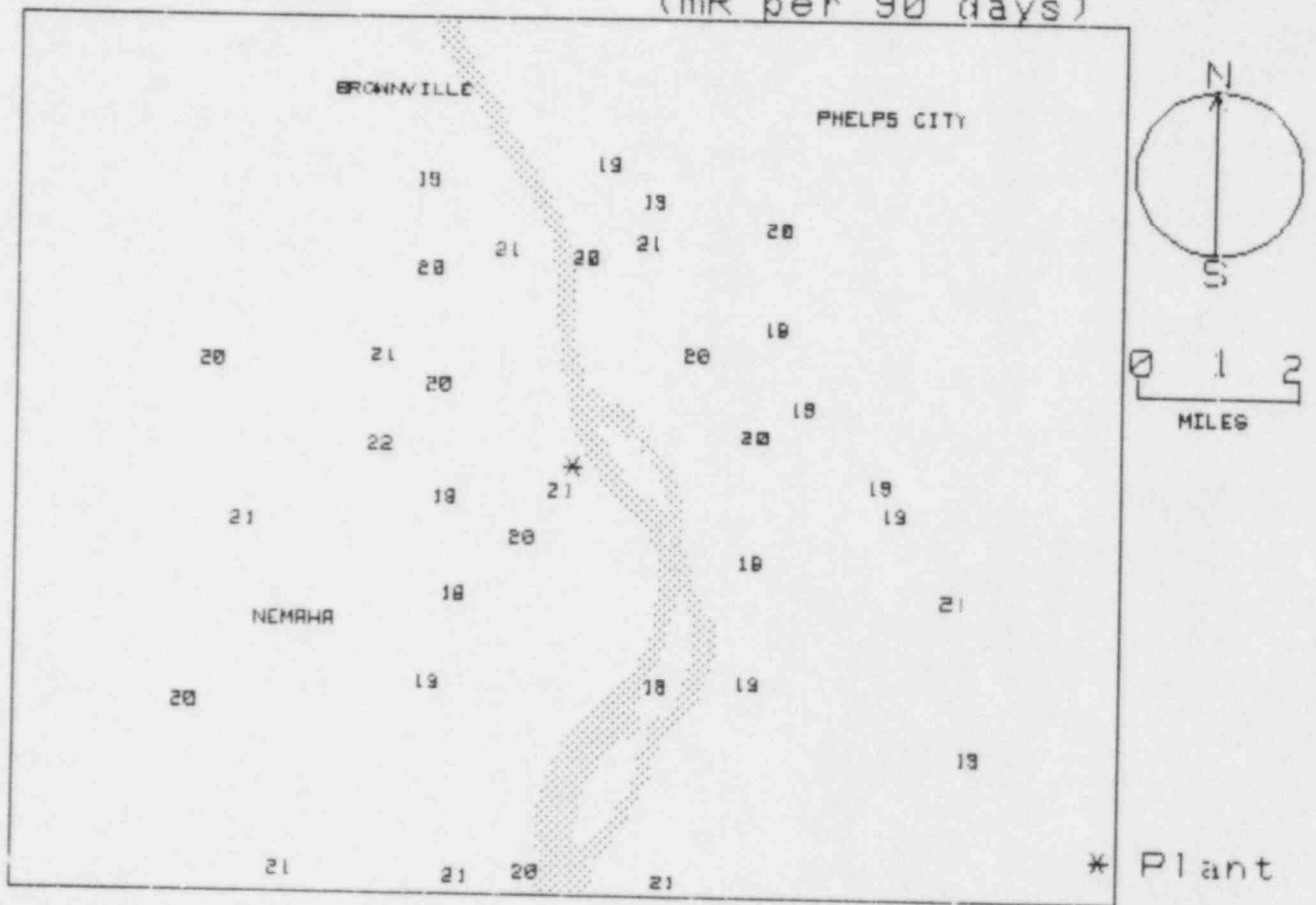
DISTANCE(mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std. Dev.	# IN GROUP
0-2	19.7 \pm 1.3	6
2-5	19.9 \pm .8	27
>5	21.1 \pm 1.9	6
UPWIND CONTROL DATA	20.2 \pm .7	2

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	RUBURN
40	2.5	300	HAPPY HOLLOW SCHOOL
42	3.5	93	HWY. U & E (LANGDON)
43	2.2	270	LANGDON HWY U& E
49	1.6	245	NO LOCATION INFORMATION!

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



CRYSTAL RIVER
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
 FOR THE PERIOD 850916-860113 120 DAYS
 FIELD TIME 92 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE(mR)			NET EXPOSURE RATE			
	AZIMUTH/ (deg.)	DIST (mi.)	+ -	Rdm;	Tot.	mR/Std.Qtr.	+ -	Rdm;Tot.	
006	61	4.2	17.6	+-	.5	2.6	14.4	+- .6	5.3
007	50	3.8	16.4	+-	.5	2.5	13.2	+- .6	5.2
008	20	5.2	17.8	+-	.5	2.7	14.6	+- .6	5.3
009	6	5.4	18.2	+-	.5	2.7	14.9	+- .6	5.3
010	348	5.0	18.4	+-	.6	2.8	15.1	+- .6	5.4
011	334	4.8	18.1	+-	.5	2.7	14.9	+- .6	5.3
012	318	4.8	19.0	+-	.6	2.8	15.7	+- .6	5.4
013	79	3.8	17.9	+-	.5	2.7	14.7	+- .6	5.3
014	95	4.1	18.1	+-	.5	2.7	14.9	+- .6	5.3
015	89	1.8	19.5	+-	.6	2.9	16.2	+- .6	5.4
016	113	5.0	16.9	+-	.5	2.5	13.7	+- .6	5.3
017	133	5.5	17.9	+-	.5	2.7	14.6	+- .6	5.3
018	74	8.1	16.1	+-	.5	2.4	12.9	+- .6	5.2
019	127	7.6	17.3	+-	.5	2.6	14.0	+- .6	5.3
020	150	12	16.3	+-	.5	2.4	13.1	+- .6	5.2
021	159	13	17.7	+-	.5	2.7	14.5	+- .6	5.3
022	150	13	17.6	+-	.5	2.6	14.4	+- .6	5.3
023	150	21	15.6	+-	.5	2.3	12.4	+- .6	5.2
024	150	21	17.2	+-	.5	2.6	14.0	+- .6	5.3
025	56	6.1	18.5	+-	.6	2.8	15.2	+- .6	5.4
026	357	5.2	19.7	+-	.6	2.9	16.4	+- .7	5.5
027	90	13	18.2	+-	.5	2.7	14.9	+- .6	5.3
028	140	4.8	18.4	+-	.6	2.8	15.1	+- .6	5.4
TRANSIT DOSE =			2.9	+-	.3	;	4.7		

CRYSTAL RIVER
FOR THE PERIOD 850916-860113

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std. Dev.	# IN GROUP
348.75-11.25 (N)	15.6 \pm 1.0	2
11.25-33.75 (NNE)	14.6 \pm 0.0	1
33.75-56.25 (NE)	14.2 \pm 1.4	2
56.25-78.75 (ENE)	13.6 \pm 1.1	2
78.75-101.25 (E)	15.2 \pm .7	4
101.25-123.75 (ESE)	13.7 \pm 0.0	1
123.75-146.25 (SE)	14.6 \pm .5	3
146.25-168.75 (SSE)	13.8 \pm 1.0	2
168.75-191.25 (S)	NO DATA \pm NO DATA	0
191.25-213.75 (SSW)	NO DATA \pm NO DATA	0
213.75-236.25 (SW)	NO DATA \pm NO DATA	0
236.25-258.75 (WSW)	NO DATA \pm NO DATA	0
258.75-281.25 (W)	NO DATA \pm NO DATA	0
281.25-303.75 (WNW)	NO DATA \pm NO DATA	0
303.75-326.25 (NW)	15.7 \pm 0.0	1
326.25-348.75 (NNW)	15.0 \pm .2	2

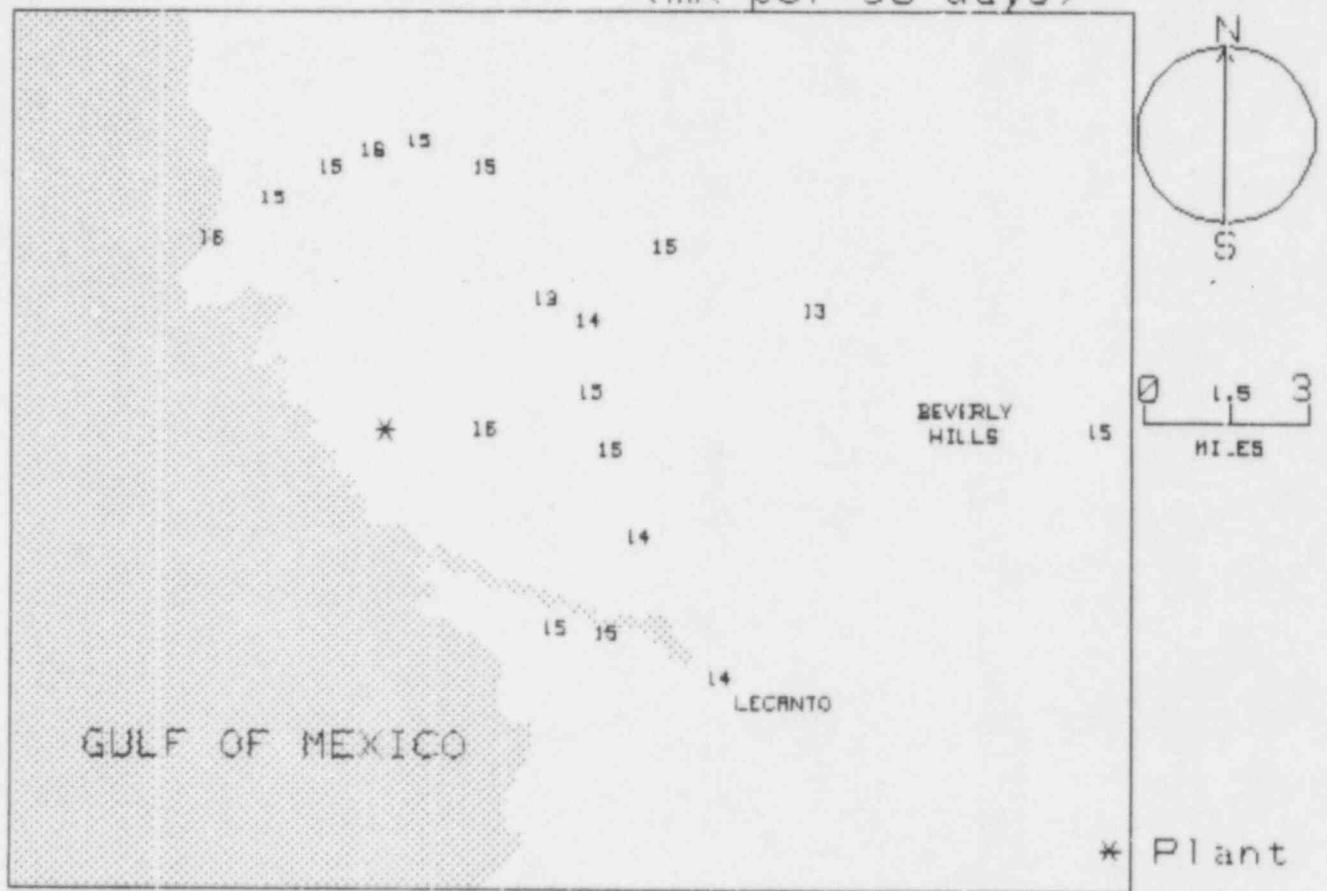
DISTANCE (mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std. Dev.	# IN GROUP
0-2	16.2 \pm 0.0	1
2-5	14.6 \pm .8	9
>5	14.5 \pm 1.0	10
UPWIND CONTROL DATA	13.6 \pm 1.0	3

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	13.0	150	RT. 19
23	21.0	150	RIGHT ROAD OFF RT. 19
24	21.0	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

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



DAVIS BESSE
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
 FOR THE PERIOD 850916-860124 131 DAYS
 FIELD TIME 94 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE(mR)		NET EXPOSURE RATE			
	AZIMUTH/DIST (deg.) (mi.)		+ Rdm; Tot.		mR/Std.Qtr. + Rdm; Tot.			
001	50	0.6	18.5	+- .6	13.2	+- .6	5.8	
002	86	0.9	19.3	+- .6	14.0	+- .7	5.9	
003	116	1.4	19.2	+- .6	13.9	+- .7	5.9	
004	172	0.8	28.3	+- .8	22.6	+- .9	6.6	
005	200	1.5	23.9	+- .7	18.4	+- .6	6.2	
006	226	1.0	22.5	+- .7	17.0	+- .7	6.1	
007	249	1.5	24.6	+- .7	19.1	+- .6	6.3	
008	267	1.0	24.2	+- .7	18.7	+- .6	6.2	
009	285	1.0	24.8	+- .7	19.3	+- .6	6.3	
010	306	1.5	23.0	+- .7	17.6	+- .6	6.1	
011	344	0.9	20.3	+- .6	15.0	+- .7	5.9	
012	142	4.5	25.3	+- .8	19.7	+- .6	6.3	
013	158	4.0	26.4	+- .8	20.0	+- .6	6.4	
014	180	3.0	23.5	+- .7	18.1	+- .6	6.2	
015	207	4.0	MISSING OR DAMAGED DOSIMETER					
016	225	4.5	23.2	+- .7	17.7	+- .6	6.2	
017	254	2.7	26.5	+- .8	20.9	+- .6	6.4	
018	269	3.0	24.0	+- .7	18.5	+- .6	6.2	
019	295	5.0	24.6	+- .7	19.1	+- .6	6.3	
020	25	0.5	19.2	+- .6	13.9	+- .7	5.9	
021	132	9.7	23.7	+- .7	18.2	+- .6	6.2	
022	210	6.5	22.5	+- .7	17.1	+- .7	6.1	
TRANSIT DOSE = 4.6 +- .4 ; 5.4								

DAVIS BESSE
FOR THE PERIOD 850916-860124

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
348.75-11.25 (N)	NO DATA+-NO DATA	0
11.25-33.75 (NNE)	13.9 \pm 0.0	1
33.75-56.25 (NE)	13.2 \pm 0.0	1
56.25-78.75 (ENE)	NO DATA+-NO DATA	0
78.75-101.25 (E)	14.0 \pm 0.0	1
101.25-123.75 (ESE)	13.9 \pm 0.0	1
123.75-146.25 (SE)	19.7 \pm 0.0	1
146.25-168.75 (SSE)	20.8 \pm 0.0	1
168.75-191.25 (S)	20.3 \pm 3.2	2
191.25-213.75 (SSW)	18.4 \pm 0.0	1
213.75-236.25 (SW)	17.4 \pm .5	2
236.25-258.75 (WSW)	20.0 \pm 1.3	2
258.75-281.25 (W)	18.6 \pm .2	2
281.25-303.75 (WNW)	19.2 \pm .1	2
303.75-326.25 (NW)	17.6 \pm 0.0	1
326.25-348.75 (NNW)	15.0 \pm 0.0	1

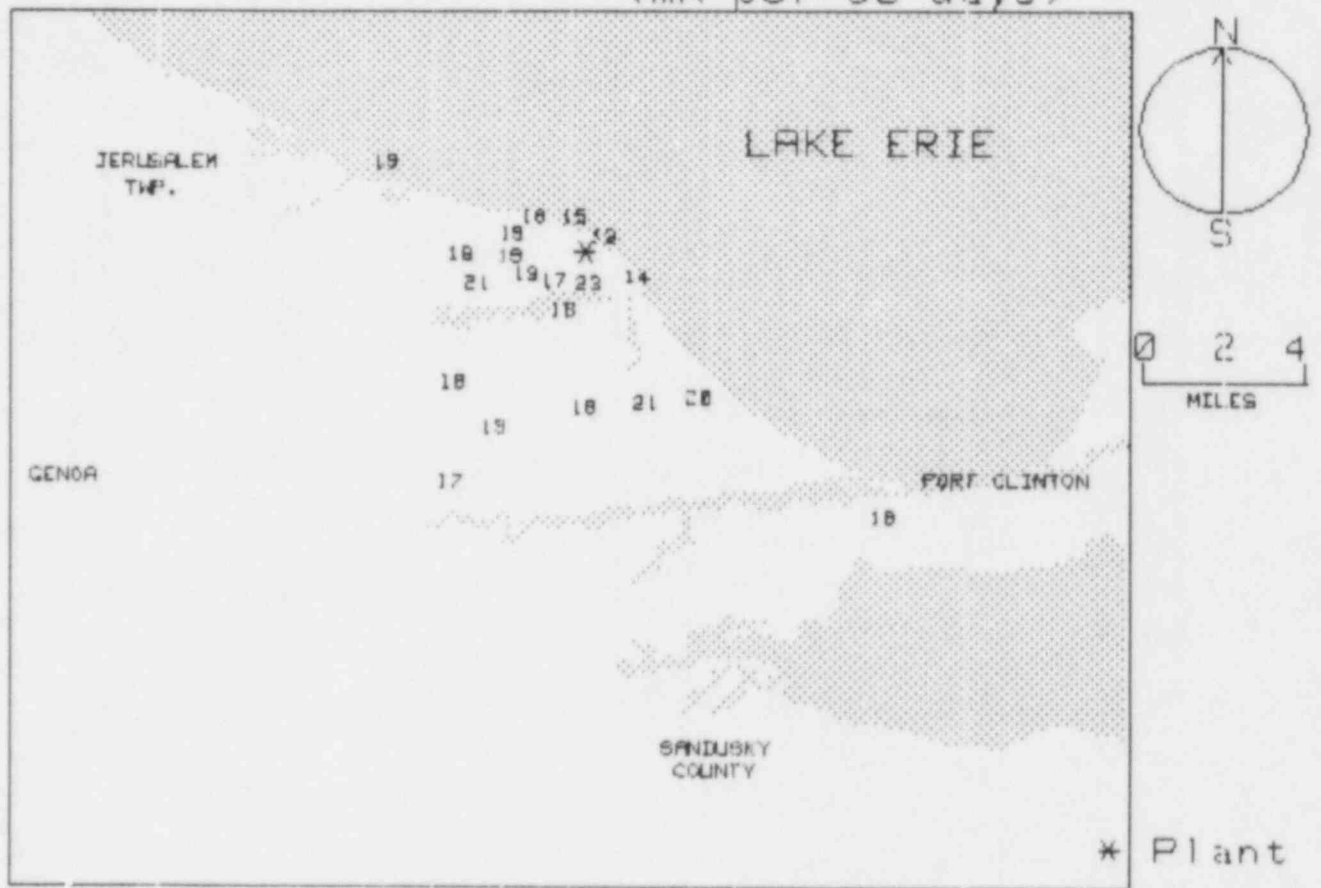
DISTANCE(mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
0-2	16.9 \pm 2.9	12
2-5	19.3 \pm 1.4	6
>5	19.1 \pm 0.0	1
UPWIND CONTROL DATA	17.7 \pm .8	2

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 F. 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

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



D.C. COOK
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
 FOR THE PERIOD 850912-860203 145 DAYS
 FIELD TIME 92 DAYS

NRC STATION	LOCATION		GROSS			NET EXPOSURE RATE		
	AZIMUTH/DIST (deg.) (mi.)		EXPOSURE(mR)	+ Rdm; Tot.		mR/Std. Qtr.	+ Rdm; Tot.	
001	54	1.7	23.6	+- .7	3.5	14.3	+- .8	7.5
002	67	1.3	29.3	+- .9	4.4	19.8	+- 1.0	8.9
003	89	1.1	23.1	+- .7	3.5	13.8	+- .8	7.5
004	58	0.7	22.4	+- .7	3.4	13.1	+- .8	7.5
005	19	2.3	22.6	+- .7	3.4	13.3	+- .8	7.5
006	111	1.6	22.8	+- .7	3.4	13.5	+- .8	7.5
007	135	1.5	22.1	+- .7	3.3	12.9	+- .8	7.5
008	158	1.4	MISSING OR DAMAGED DOSIMETER					
009	171	1.9	22.4	+- .7	3.4	13.1	+- .8	7.5
010	199	1.5	22.1	+- .7	3.3	12.9	+- .8	7.5
011	195	0.9	22.3	+- .7	3.3	13.1	+- .8	7.5
012	200	6.6	23.5	+- .7	3.5	14.3	+- .8	7.5
013	179	0.9	26.9	+- .8	4.3	17.5	+- .9	7.7
014	151	4.4	25.6	+- .8	4.3	16.2	+- .9	7.7
015	138	4.6	26.5	+- .8	4.3	17.1	+- .9	7.8
016	110	0.7	25.1	+- .8	4.3	15.7	+- .9	7.6
017	88	0.6	22.9	+- .7	3.4	13.6	+- .8	7.5
018	67	0.8	31.3	+- .9	4.7	21.8	+- 1.0	8.1
019	24	0.8	22.9	+- .7	3.4	13.6	+- .8	7.5
020	43	0.6	31.4	+- .9	4.7	22.9	+- 1.0	8.1
021	26	0.9	28.2	+- .8	4.2	18.8	+- .9	7.9
022	121	10.	23.1	+- .7	3.5	13.8	+- .8	7.5
023	121	10.	22.7	+- .7	3.4	13.4	+- .8	7.5
024	121	10.	27.6	+- .8	4.1	18.2	+- .9	7.8
TRANSIT DOSE = 9.0 +- .5 ; 6.9								

D.C. COOK
FOR THE PERIOD 850912-860203

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
348.75-11.25 (N)	NO DATA+-NO DATA	0
11.25-33.75 (NNE)	15.2 \pm 3.1	3
33.75-56.25 (NE)	18.1 \pm 5.4	2
56.25-78.75 (ENE)	18.3 \pm 4.6	3
78.75-101.25 (E)	13.7 \pm .1	2
101.25-123.75 (ESE)	14.6 \pm 1.6	2
123.75-146.25 (SE)	15.0 \pm 3.0	2
146.25-168.75 (SSE)	16.2 \pm 0.0	1
168.75-191.25 (S)	15.3 \pm 3.1	2
191.25-213.75 (SSW)	13.4 \pm .7	3
213.75-236.25 (SW)	NO DATA+-NO DATA	0
236.25-258.75 (WSW)	NO DATA+-NO DATA	0
258.75-281.25 (W)	NO DATA+-NO DATA	0
281.25-303.75 (WNW)	NO DATA+-NO DATA	0
303.75-326.25 (NW)	NO DATA+-NO DATA	0
326.25-348.75 (NNW)	NO DATA+-NO DATA	0

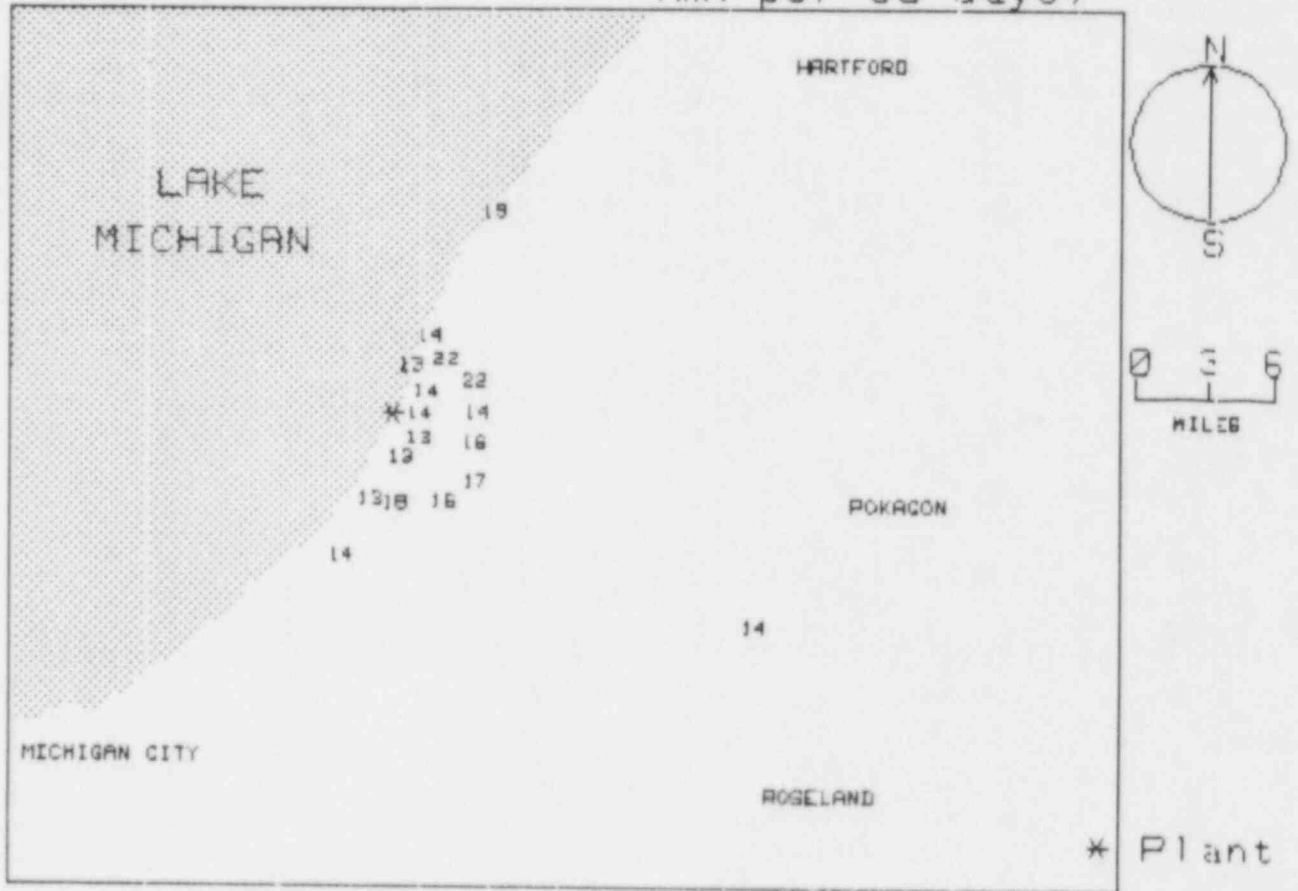
DISTANCE(mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
0-2	14.2 \pm 2.3	8
2-5	16.4 \pm 3.3	10
>5	16.5 \pm 3.3	2
UPWIND CONTROL DATA	15.2 \pm 2.6	3

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	JERICO 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 WOOD 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)

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



DIABLO CANYON
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
 FOR THE PERIOD 850910-860210 154 DAYS
 FIELD TIME 101 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE(mR)		NET EXPOSURE RATE		
	AZIMUTH (deg.)	DIST (mi.)	+ Rdm	Tot.	mR/Std.Qtr. + Rdm	Tot.	
001	125	1.0	35.3	1.1	24.8	1.0	7.6
002	119	4.2	31.4	.9	21.3	.9	7.3
003	107	6.9	28.8	.9	19.0	.9	7.1
004	109	11.	27.8	.8	18.1	.9	7.0
005	113	14.	29.4	.9	19.6	.9	7.1
006	68	9.6	28.9	.9	19.1	.9	7.1
007	359	11.	27.2	.8	17.6	.8	7.0
008	359	6.6	23.9	.7	14.6	.8	6.7
009	339	4.7	23.6	.7	14.4	.8	6.7
010	328	3.0	24.4	.7	15.1	.8	6.8
011	332	1.3	24.8	.7	15.5	.8	6.8
012	37	21.	32.0	1.0	21.9	1.0	7.3
013	37	21.	MISSING OR DAMAGED DOSIMETER				
014	37	21.	MISSING OR DAMAGED DOSIMETER				
TRANSIT DOSE =			7.4	+ .5	; 6.7		

DIABLO CANYON
FOR THE PERIOD 850910-860210

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
348.75-11.25 (N)	16.1 \pm 2.1	2
11.25-33.75 (NNE)	NO DATA+-NO DATA	0
33.75-56.25 (NE)	NO DATA+-NO DATA	0
56.25-78.75 (ENE)	19.1 \pm 0.0	1
78.75-101.25 (E)	NO DATA+-NO DATA	0
101.25-123.75 (ESE)	19.5 \pm 1.4	4
123.75-146.25 (SE)	24.8 \pm 0.0	1
146.25-168.75 (SSE)	NO DATA+-NO DATA	0
168.75-191.25 (S)	NO DATA+-NO DATA	0
191.25-213.75 (SSW)	NO DATA+-NO DATA	0
213.75-236.25 (SW)	NO DATA+-NO DATA	0
236.25-258.75 (WSW)	NO DATA+-NO DATA	0
258.75-281.25 (W)	NO DATA+-NO DATA	0
281.25-303.75 (WNW)	NO DATA+-NO DATA	0
303.75-326.25 (NW)	NO DATA+-NO DATA	0
326.25-348.75 (NNW)	15.0 \pm .8	3

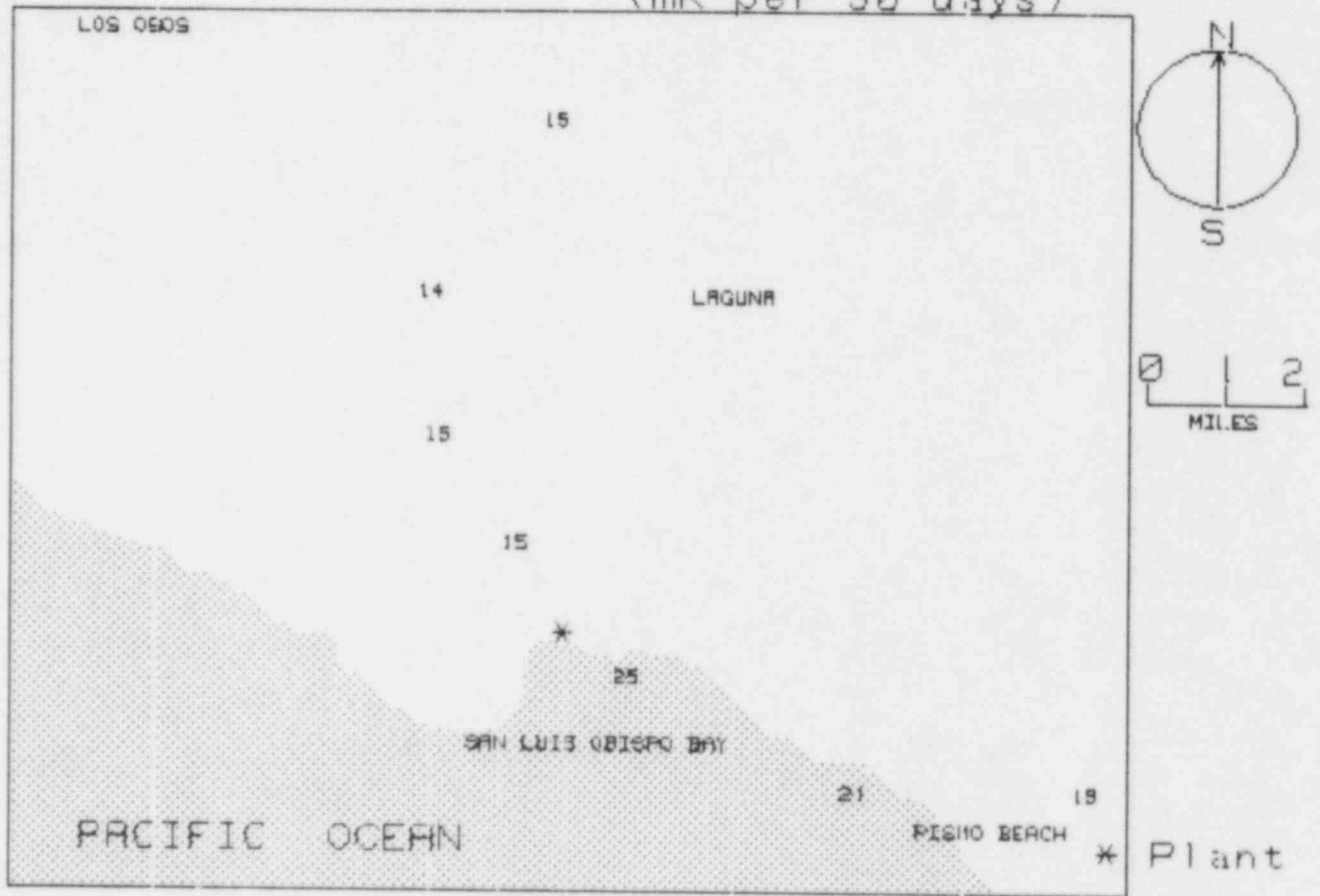
DISTANCE(mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
0-2	20.1 \pm 6.6	2
2-5	16.9 \pm 3.0	3
>5	18.0 \pm 1.0	6
UPWIND CONTROL DATA	21.9 \pm 0.0	1

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
10	3.0	328	PRIV. RD. END OF PECHO VALLEY
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.

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



DRESDEN
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
 FOR THE PERIOD 850912-860108 119 DAYS
 FIELD TIME 94 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)		NET EXPOSURE RATE				
	AZIMUTH (deg.)	DIST (mi.)	+/-	Rdm; Tot.	mR/Std. Dtr.	+/-	Rdm; Tot.		
001	70	4.2	21.2	+- .6	3.2	17.0	+- .7	5.6	
002	92	3.9	20.0	+- .6	3.1	16.7	+- .7	5.6	
003	119	3.2	20.7	+- .6	3.1	16.6	+- .7	5.6	
004	134	1.9	16.0	+- .5	3.5	12.0	+- .6	5.3	
005	115	1.5	17.0	+- .5	3.7	13.0	+- .6	5.4	
006	180	1.9	21.1	+- .6	3.3	17.0	+- .7	5.6	
007	179	0.5	19.1	+- .6	3.9	15.1	+- .6	5.5	
008	166	0.7	18.5	+- .6	3.8	14.5	+- .6	5.4	
009	205	0.5	21.2	+- .6	3.3	17.1	+- .7	5.6	
010	224	0.7	26.0	+- .8	4.0	22.5	+- .8	6.1	
011	250	0.9	18.6	+- .6	2.8	14.6	+- .6	5.5	
012	263	1.6	21.7	+- .6	3.3	17.5	+- .7	5.7	
013	180	4.0	17.6	+- .5	2.2	13.6	+- .6	5.4	
014	158	4.0	19.0	+- .5	2.9	15.0	+- .6	5.5	
015	137	4.2	18.4	+- .5	2.8	14.4	+- .6	5.4	
016	134	0.4	18.1	+- .5	2.7	14.1	+- .6	5.4	
017	189	7.4	18.0	+- .5	2.8	14.7	+- .6	5.5	
018	203	4.1	18.3	+- .5	2.7	14.3	+- .6	5.4	
019	231	0.0	21.7	+- .6	3.2	17.5	+- .7	5.7	
020	244	0.4	MISSING OR DAMAGED DOSIMETER						
021	258	0.6	22.2	+- .7	3.3	18.1	+- .7	5.7	
022	269	4.4	18.2	+- .5	2.7	14.2	+- .6	5.4	
023	295	0.3	21.6	+- .6	3.2	17.4	+- .7	5.7	
024	311	0.9	19.5	+- .6	2.9	15.4	+- .6	5.5	
025	340	4.7	22.7	+- .7	3.4	18.5	+- .7	5.8	
026	7	4.4	18.9	+- .6	2.8	14.9	+- .6	5.5	
027	1	2.0	24.0	+- .7	3.6	19.0	+- .8	5.9	
028	327	1.7	24.3	+- .7	3.6	20.1	+- .8	5.9	
029	318	1.4	20.7	+- .6	3.1	16.6	+- .7	5.6	
030	301	1.9	18.4	+- .6	2.8	14.4	+- .6	5.4	
031	30	1.5	22.7	+- .7	3.4	18.5	+- .7	5.8	
032	48	1.9	22.3	+- .7	3.3	18.1	+- .7	5.7	
033	76	1.4	21.5	+- .6	3.2	17.3	+- .7	5.7	
034	90	1.4	20.6	+- .6	3.1	16.5	+- .7	5.6	
035	26	4.5	21.2	+- .6	3.2	17.1	+- .7	5.6	
036	42	3.6	19.0	+- .6	2.9	15.0	+- .6	5.5	
037	52/	12.	20.5	+- .6	3.1	16.4	+- .7	5.6	
038	274	24.	20.6	+- .6	3.1	16.5	+- .7	5.6	
039	274	24.	20.5	+- .6	3.1	16.4	+- .7	5.6	
040	275	24.	21.7	+- .6	3.2	17.5	+- .7	5.7	
TRANSIT DOSE =			3.3	+- .3	5.0				

DRESDEN
FOR THE PERIOD 850912-860108

A-71

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
348.75-11.25 (N)	17.3 \pm 3.5	2
11.25-33.75 (NNE)	17.8 \pm 1.8	2
33.75-56.25 (NE)	16.5 \pm 1.6	3
56.25-78.75 (ENE)	17.2 \pm .2	2
78.75-101.25 (E)	16.8 \pm .1	2
101.25-123.75 (ESE)	15.2 \pm 1.9	2
123.75-146.25 (SE)	13.8 \pm .8	3
146.25-168.75 (SSE)	14.7 \pm .4	2
168.75-191.25 (S)	15.1 \pm 1.4	4
191.25-213.75 (SSW)	15.7 \pm 2.0	2
213.75-236.25 (SW)	20.0 \pm 3.5	2
236.25-258.75 (WSW)	16.3 \pm 2.5	2
258.75-281.25 (W)	15.9 \pm 2.3	2
281.25-303.75 (WNW)	15.9 \pm 2.2	2
303.75-326.25 (NW)	16.0 \pm .8	2
326.25-348.75 (NNW)	19.3 \pm 1.1	2

DISTANCE(mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
0-2	16.8 \pm 2.5	17
2-5	15.8 \pm 1.5	15
>5	15.8 \pm 1.8	4
UPWIND CONTROL DATA	16.8 \pm .8	3

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	THORENSEN 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	12.0	52	NEAR BRANDON RD.
38	24.0	274	N. 31ST.
39	24.0	274	N. 31ST.
40	24.0	275	E. 24TH ST.

MAP FOR DRESDEN

Map will be provided for this site in the future.

DUANE ARNOLD
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
 FOR THE PERIOD 850912-860109 120 DAYS
 FIELD TIME 96 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE(mR)		NET EXPOSURE RATE			
	AZIMUTH/DIST (deg.) (mi.)		+ Rdm; Tot.		mR/Std. Qtr. + Rdm; Tot.			
001	163	9.7	19.4	+- .6	2.9	13.9	+- .6	
002	170	6.2	20.5	+- .6	0.1	15.0	+- .7	
003	180	3.5	18.2	+- .5	2.7	12.0	+- .6	
004	216	2.9	20.5	+- .6	0.1	15.0	+- .7	
005	201	2.5	17.2	+- .5	2.6	11.9	+- .6	
006	213	1.0	19.5	+- .6	2.9	14.1	+- .6	
007	248	1.0	20.3	+- .6	0.0	14.0	+- .7	
008	279	1.0	20.9	+- .6	0.1	15.3	+- .7	
009	298	1.0	21.6	+- .6	2.2	16.0	+- .7	
010	320	1.5	19.7	+- .6	0.0	14.3	+- .7	
011	343	1.0	MISSING OR DAMAGED DOSIMETER					
012	359	1.2	20.7	+- .6	0.1	15.2	+- .7	
013	237	0.5	20.2	+- .6	0.0	14.7	+- .7	
014	259	3.9	20.5	+- .6	0.1	15.0	+- .7	
015	272	5.0	17.0	+- .5	2.7	12.5	+- .6	
016	285	5.0	19.0	+- .6	0.0	13.6	+- .6	
017	300	4.5	21.2	+- .6	2.0	15.7	+- .7	
018	340	4.5	18.1	+- .5	2.7	12.7	+- .6	
019	291	15.	19.4	+- .6	2.9	13.9	+- .6	
020	291	15.	20.4	+- .6	1.1	14.9	+- .7	
021	291	15.	18.5	+- .5	0.0	13.1	+- .6	
022	350	6.1	18.1	+- .5	2.7	12.7	+- .6	
023	7	2.9	17.5	+- .5	2.6	12.2	+- .6	
024	20	3.0	21.2	+- .6	2.0	15.6	+- .7	
025	39	3.5	19.6	+- .5	2.9	14.2	+- .6	
026	64	3.0	19.0	+- .5	0.0	14.4	+- .7	
027	50	1.9	17.9	+- .5	2.7	12.5	+- .6	
028	72	2.3	19.7	+- .5	2.9	14.2	+- .6	
029	91	3.0	22.1	+- .6	3.3	16.5	+- .7	
030	93	1.0	20.9	+- .6	0.1	15.3	+- .7	
031	113	2.0	21.9	+- .6	3.3	16.3	+- .7	
032	141	1.6	17.6	+- .5	2.6	12.0	+- .6	
033	153	1.5	20.3	+- .5	0.0	14.0	+- .7	
034	177	1.2	17.5	+- .5	2.6	12.2	+- .6	
035	153	4.2	17.2	+- .5	2.6	11.9	+- .6	
036	135	4.1	19.5	+- .5	2.9	14.1	+- .6	
037	111	4.6	20.9	+- .6	0.1	15.3	+- .7	
038	123	5.1	20.1	+- .5	0.0	14.6	+- .7	
039	132	7.0	17.4	+- .5	2.6	12.1	+- .6	
040	139	7.6	19.6	+- .5	2.9	14.1	+- .7	

TRANSIT DOSE = 4.5 +- .4 ; 5.4

DUANE ARNOLD
FOR THE PERIOD 850912-860109

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
348.75-11.25 (N)	13.4 \pm 1.6	3
11.25-33.75 (NNE)	15.6 \pm 0.0	1
33.75-56.25 (NE)	13.4 \pm 1.2	2
56.25-78.75 (ENE)	14.3 \pm .1	2
78.75-101.25 (E)	15.9 \pm .8	2
101.25-123.75 (ESE)	15.4 \pm .8	3
123.75-146.25 (SE)	13.1 \pm 1.1	4
146.25-168.75 (SSE)	13.5 \pm 1.5	3
168.75-191.25 (S)	13.3 \pm 1.5	3
191.25-213.75 (SSW)	13.0 \pm 1.6	2
213.75-236.25 (SW)	15.0 \pm 0.0	1
236.25-258.75 (WSW)	14.8 \pm .1	2
258.75-281.25 (W)	14.3 \pm 1.6	3
281.25-303.75 (WNW)	14.8 \pm 1.7	2
303.75-326.25 (NW)	14.9 \pm 1.0	2
326.25-348.75 (NNW)	12.7 \pm 0.0	1

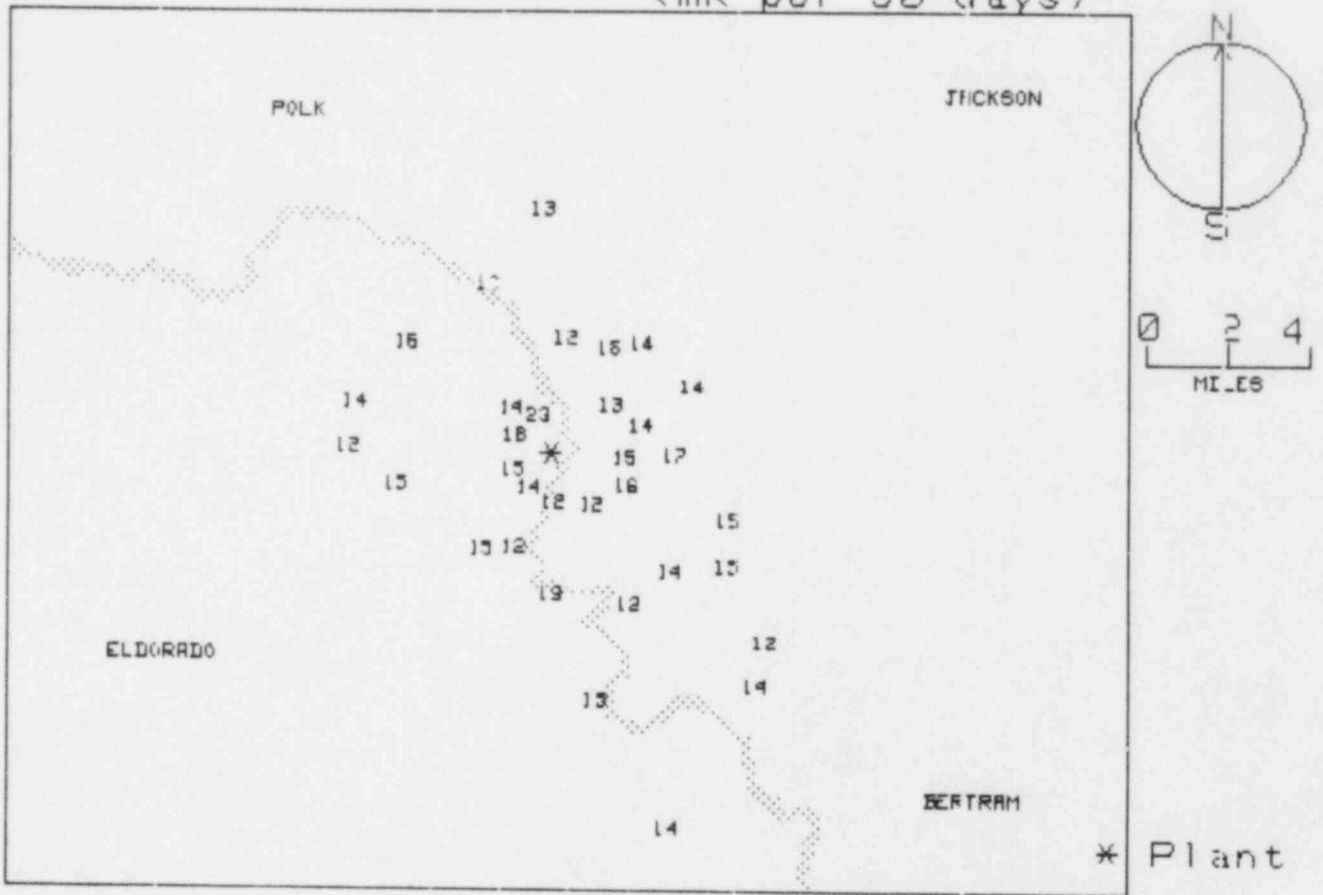
DISTANCE(mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
0-2	14.4 \pm 1.4	13
2-5	14.0 \pm 1.4	17
>5	13.8 \pm 1.1	6
UPWIND CONTROL DATA	14.0 \pm .9	3

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(CHAIN BRIDGE RD)
4	2.9	216	BLAINS FERRY RD & HWY 94
5	2.5	201	MAJOR JCT IN PALO (E36 & W36)
6	1.0	213	COMP RD
7	1.0	248	S. OF R.R. ON W36(PALO MARSH RD)
8	1.0	279	W36 PAST SMALL BRIDGE
9	1.0	298	W36 E. SIDE FENCEPOST
10	1.5	320	W36 & McCLINTOCK RD.
11	1.0	343	McCLINTOCK RD.-E.
12	1.2	359	N. ON PRIVATE DRIVE
13	.5	237	POWER PLANT RD.
14	3.9	259	BEAR CREEK 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'(LEWIS ACC.RD)
19	15.0	291	2ND AVE-VINTON LUTHERAN HOME
20	15.0	291	VINTON LUTHERAN HOME
21	15.0	291	HWY. 101
22	6.1	358	SUMMIT & IOWA STS(in CENTER PT)
23	2.9	7	HWY. 150(CENTER POINT RD)
24	3.0	28	QUAIL RIDGE RD
25	3.5	39	HWY 150(TULL LN & CENTER PT RD)
26	3.8	64	HWY 150(HAGERMAN RD & CENTER PT RD)
27	1.9	50	PONDS LANE
28	2.3	72	ON FENCE POST(STANDLER RD)
29	3.0	91	FRONT DRIVE IN TODDVILLE
30	1.8	93	FEATHER RIDGE RD & WICKIUP HILL RD
31	2.0	113	N. OF KUEHL RESIDENCE(FEATHER RIDGE RD)
32	1.6	141	MORRIS HILLS RD & HORSESHOE LANE RD
33	1.5	153	MORRIS HILLS RD AT INTERSECTION
34	1.2	177	FENCEPOST NEAR N. GATE(MORRIS HILLS RD)
35	4.2	153	BLAIRS FERRY RD AT CURVE
36	4.1	135	MILBURN RD.& OAK GROVE RD
37	4.6	111	CENTER POINT RD & SINGER HILL LANE
38	5.1	123	CENTER POINT RD & TOWER TERRACE RD
39	7.0	132	1ST AVE & CENTER PT RD in HIAWATHA
40	7.6	139	J AVE & MAPLEWOK DR in CEIAR RAPIDS

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



FARLEY
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
 FOR THE PERIOD 850916-860114 121 DAYS
 FIELD TIME 92 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)		NET EXPOSURE RATE	
	AZIMUTH (deg.)	DIST (mi.)	+ Rdm	Tot.	mR/Std. Qtr. + Rdm	Tot.
001	268	15.	16.4	+-	15.6	+-
002	252	7.8	17.8	+-	16.2	+-
003	217	6.1	16.7	+-	15.9	+-
004	155	5.7	18.9	+-	18.8	+-
005	170	5.1	17.1	+-	16.2	+-
006	197	4.5	16.6	+-	15.7	+-
007	191	2.4	19.6	+-	18.7	+-
008	200	1.8	17.4	+-	16.7	+-
009	220	1.2	15.5	+-	14.7	+-
010	254	.9	17.6	+-	16.8	+-
011	300	.9	18.8	+-	17.1	+-
012	319	1.1	17.6	+-	16.8	+-
013	338	1.3	16.1	+-	15.2	+-
014	256	1.2	16.5	+-	15.8	+-
015	16	1.3	21.1	+-	20.1	+-
016	264	1.6	16.4	+-	15.8	+-
017	253	3.5	18.5	+-	17.7	+-
018	233	3.2	17.7	+-	16.8	+-
019	267	4.5	17.7	+-	16.8	+-
020	295	3.8	19.5	+-	18.8	+-
021	315	4.6	17.2	+-	16.3	+-
022	332	4.3	15.9	+-	15.1	+-
023	251	4.8	16.8	+-	15.1	+-
024	32	5.3	18.4	+-	17.5	+-
025	54	6.2	15.4	+-	14.8	+-
026	64	5.5	17.1	+-	16.3	+-
027	88	4.7	17.8	+-	16.2	+-
028	124	5.1	17.8	+-	16.9	+-
029	153	4.1	17.8	+-	16.9	+-
030	142	3.6	15.6	+-	14.8	+-
031	130	3	15.3	+-	14.5	+-
032	110	2.8	17.5	+-	16.7	+-
033	78	2.6	16.6	+-	15.8	+-
034	58	2.2	15.2	+-	14.4	+-
035	34	2.4	22.1	+-	21.1	+-
036	19	2.7	18.3	+-	17.4	+-
037	284	18	17.1	+-	16.3	+-
038	289	15.	19.8	+-	18.9	+-
039	293	15.	18.9	+-	18.8	+-

TRANSIT DOSE = .5 +- .2 ; 4.0

FARLEY
FOR THE PERIOD 850916-860114

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
348.75-11.25 (N)	NO DATA+-NO DATA	0
11.25-33.75 (NNE)	18.4 \pm 1.5	3
33.75-56.25 (NE)	17.9 \pm 4.6	2
56.25-78.75 (ENE)	15.5 \pm 1.0	3
78.75-101.25 (E)	16.2 \pm 0.0	1
101.25-123.75 (ESE)	16.7 \pm 0.0	1
123.75-146.25 (SE)	15.4 \pm 1.3	3
146.25-168.75 (SSE)	17.4 \pm .8	2
168.75-191.25 (S)	17.5 \pm 1.0	2
191.25-213.75 (SSW)	16.2 \pm .6	2
213.75-236.25 (SW)	15.8 \pm 1.1	3
236.25-258.75 (WSW)	16.3 \pm 1.0	5
258.75-281.25 (W)	16.0 \pm .7	3
281.25-303.75 (WNW)	17.8 \pm 1.0	2
303.75-326.25 (NW)	16.5 \pm .3	2
326.25-348.75 (NNW)	15.2 \pm .1	2

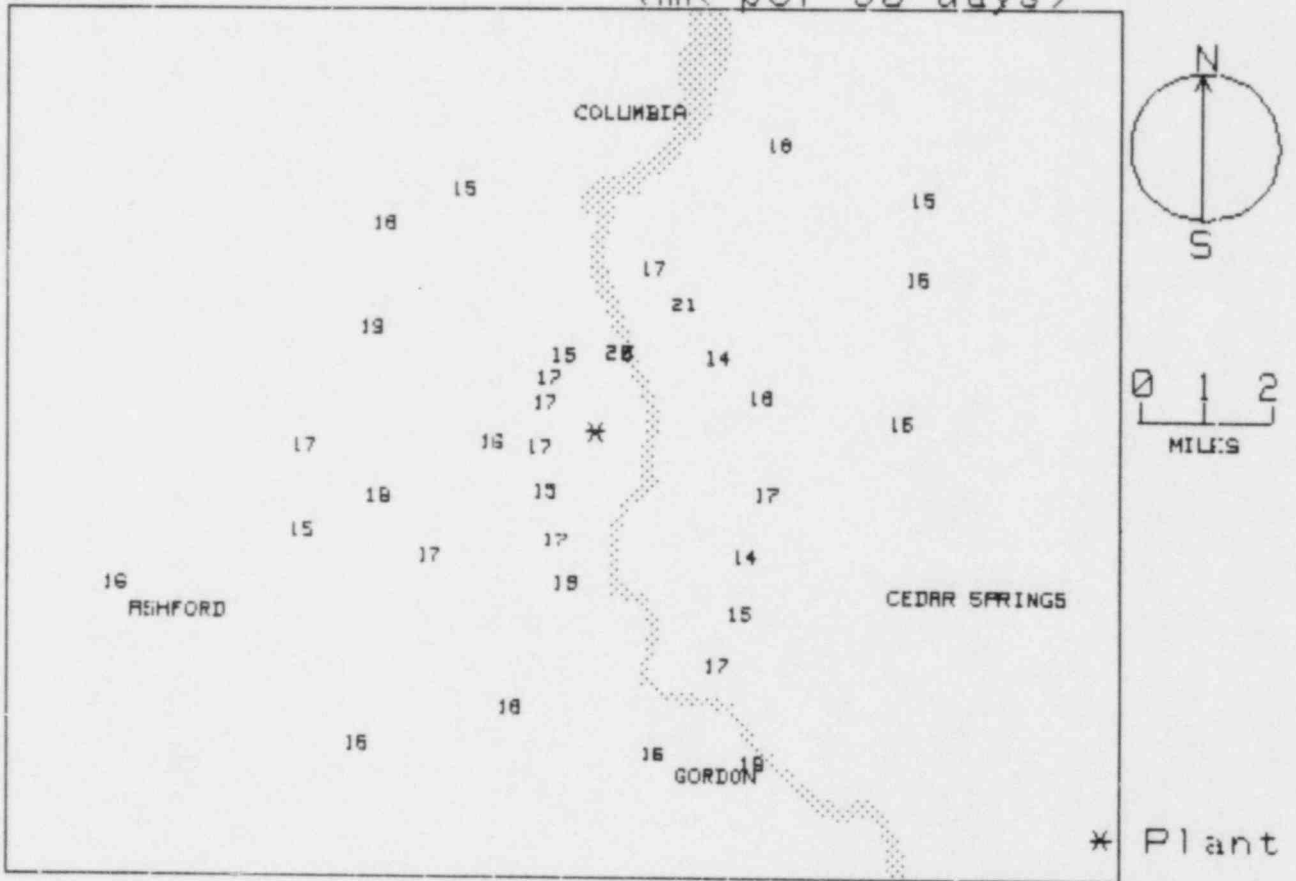
DISTANCE(mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
0-2	16.5 \pm 1.6	9
2-5	16.6 \pm 1.7	18
>5	16.4 \pm 1.0	9
UPWIND CONTROL DATA	17.7 \pm 1.3	3

FARLEY

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING LOCATIONS

STATION	DIST(mi.)	DIR	DESCRIPTION
1	15.0	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

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



FERMI
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
 FOR THE PERIOD 850912-860203 145 DAYS
 FIELD TIME 92 DAYS

NRC STATION	LOCATION		GROSS		NET EXPOSURE RATE				
	AZIMUTH (deg.)	DIST (mi.)	EXPOSURE(mR) +- Rdm;Tot.		mR/Std.Qtr. +- Rdm;Tot.				
001	38	2.1	MISSING OR DAMAGED DOSIMETER						
002	22	2.3	28.1 +- .8	4.2	15.7 +- 1.0	8.8			
003	350	1.8	33.4 +- 1.0	5.0	20.9 +- 1.1	9.2			
004	345	1.9	29.5 +- .9	4.4	17.1 +- 1.0	8.9			
005	346	1.4	28.2 +- .8	4.2	15.7 +- 1.0	8.8			
006	310	1.3	24.5 +- .7	3.7	12.2 +- .9	8.6			
007	298	1.4	27.5 +- .8	4.1	15.1 +- 1.0	8.8			
008	277	1.6	28.4 +- .9	4.3	16.0 +- 1.0	8.9			
009	238	1.8	29.2 +- .9	4.4	16.8 +- 1.0	9.0			
010	225	1.5	MISSING OR DAMAGED DOSIMETER						
011	193	8.8	27.9 +- .8	4.2	15.4 +- 1.0	8.8			
012	183	8.9	27.7 +- .8	4.1	15.3 +- 1.0	8.8			
013	175	8.8	26.7 +- .8	4.0	14.3 +- 1.0	8.7			
014	260	1.7	28.5 +- .9	4.3	16.0 +- 1.0	8.9			
015	245	2.5	28.1 +- .8	4.2	15.6 +- 1.0	8.8			
016	236	5.0	30.3 +- .9	4.5	17.8 +- 1.1	9.0			
017	225	6.8	24.1 +- .7	3.6	11.8 +- .9	8.6			
018	250	7.8	MISSING OR DAMAGED DOSIMETER						
019	277	6.8	25.5 +- .8	3.8	13.1 +- .9	8.7			
020	297	6.8	27.6 +- .8	4.1	15.2 +- 1.0	8.8			
021	320	3.8	27.3 +- .8	4.1	14.9 +- 1.0	8.8			
022	340	4.7	28.2 +- .8	4.2	15.7 +- 1.0	8.8			
023	358	4.3	28.1 +- .8	4.2	15.6 +- 1.0	8.8			
024	23	5.0	30.2 +- .9	4.5	17.7 +- 1.1	9.0			
025	25	7.0	24.6 +- .7	3.7	12.2 +- .9	8.6			
026	0	7.0	26.3 +- .8	3.9	13.9 +- 1.0	8.7			
027	342	8.8	MISSING OR DAMAGED DOSIMETER						
028	320	9.5	27.6 +- .8	4.1	15.2 +- 1.0	8.8			
029	290	11.	30.1 +- .9	4.5	17.6 +- 1.1	9.0			
030	270	11.	32.5 +- 1.0	4.9	19.9 +- 1.1	9.2			
031	245	10.	27.3 +- .8	4.1	14.9 +- 1.0	8.8			
032	220	11.	27.5 +- .8	4.1	15.1 +- 1.0	8.8			
033	270	15.	25.6 +- .8	3.8	13.2 +- .9	8.7			
034	270	15.	27.0 +- .8	4.0	14.6 +- 1.0	8.8			
035	290	16.	27.3 +- .8	4.1	14.9 +- 1.0	8.8			
036	350	8.8	32.0 +- 1.0	4.8	19.5 +- 1.1	9.1			
037	330	8.7	MISSING OR DAMAGED DOSIMETER						
038	310	8.7	28.5 +- .9	4.3	16.1 +- 1.0	8.9			
039	23/	10.	30.8 +- .9	4.6	18.3 +- 1.1	9.0			
040	0	9.0	31.0 +- .9	4.6	18.5 +- 1.1	9.0			
041	348	9.0	26.3 +- .8	3.9	13.9 +- 1.0	8.7			
TRANSIT DOSE =			12.1 +- .6	; 8.0					

FERMI
FOR THE PERIOD 850912-860203

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
348.75-11.25 (N)	17.7 \pm 2.8	5
11.25-33.75 (NNE)	16.0 \pm 2.8	4
33.75-56.25 (NE)	NO DATA+-NO DATA	0
56.25-78.75 (ENE)	NO DATA+-NO DATA	0
78.75-101.25 (E)	NO DATA+-NO DATA	0
101.25-123.75 (ESE)	NO DATA+-NO DATA	0
123.75-146.25 (SE)	NO DATA+-NO DATA	0
146.25-168.75 (SSE)	NO DATA+-NO DATA	0
168.75-191.25 (S)	14.8 \pm .7	2
191.25-213.75 (SSW)	15.4 \pm 0.0	1
213.75-236.25 (SW)	14.9 \pm 3.0	3
236.25-258.75 (WSW)	15.8 \pm .9	3
258.75-281.25 (W)	16.3 \pm 2.8	4
281.25-303.75 (WNW)	16.0 \pm 1.4	3
303.75-326.25 (NW)	14.6 \pm 1.7	4
326.25-348.75 (NNW)	15.6 \pm 1.3	4

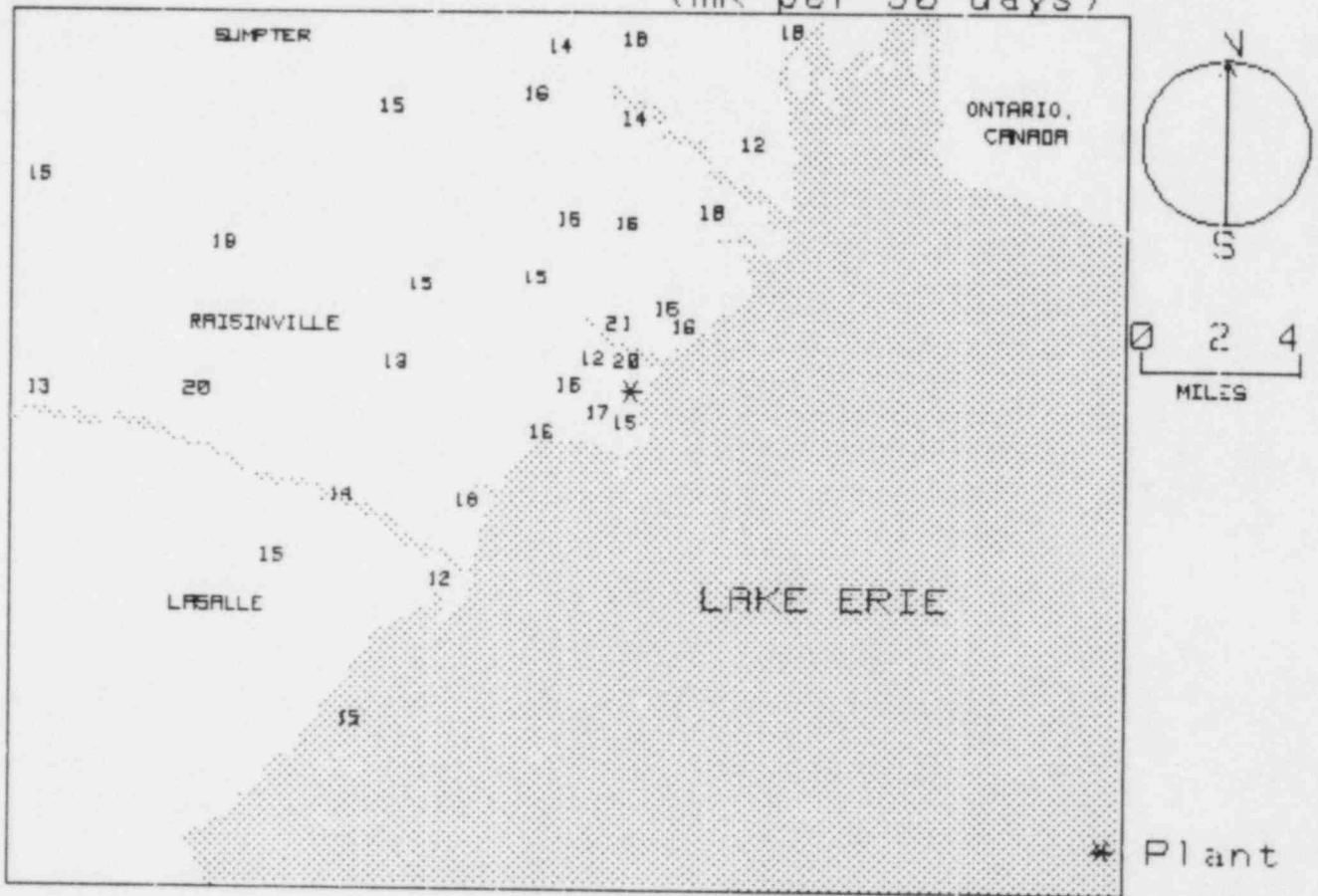
DISTANCE(mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
0-2	16.2 \pm 2.2	13
2-5	16.2 \pm 1.1	7
>5	15.4 \pm 2.5	13
UPWIND CONTROL DATA	14.2 \pm .9	3

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	11.0	270	RAISINVILLE RD.
31	10.0	245	HERR RD.
32	11.0	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.

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



* Plant

FITZPATRICK/NINE MI.
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
 FOR THE PERIOD 850917-860122 128 DAYS
 FIELD TIME 102 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE(mR)		NET EXPOSURE RATE			
	AZIMUTH/DIST (deg.) (mi.)		+ - Rdm; Tot.		mR/Std. Qtr. + - Rdm; Tot.			
001	230	6.9	18.7	+ - .6	2.8	15.2	+ - .6	4.8
002	184	14	21.0	+ - .6	3.1	17.2	+ - .6	5.0
003	122	8.4	18.5	+ - .6	2.8	15.1	+ - .6	4.8
004	76	11.	17.9	+ - .5	2.7	14.6	+ - .5	4.8
005	91	6.8	19.3	+ - .6	2.9	15.7	+ - .6	4.8
006	112	4.3	18.3	+ - .5	2.7	14.9	+ - .5	4.8
007	138	4.3	19.1	+ - .6	2.9	15.6	+ - .6	4.8
008	152	3.6	18.7	+ - .6	2.8	15.2	+ - .6	4.8
009	183	3.9	19.5	+ - .6	2.9	16.0	+ - .6	4.9
010	205	4.5	18.2	+ - .5	2.7	14.8	+ - .5	4.8
011	220	4.4	19.3	+ - .6	2.9	15.8	+ - .6	4.8
012	230	6.1	20.1	+ - .6	3.0	16.5	+ - .6	4.9
013	245	1.8	18.7	+ - .6	2.8	15.3	+ - .6	4.8
014	223	1.8	18.3	+ - .5	2.7	14.9	+ - .5	4.8
015	204	2	19.2	+ - .6	2.9	15.7	+ - .6	4.8
016	181	1.8	18.3	+ - .5	2.7	14.9	+ - .5	4.8
017	157	1.9	20.1	+ - .6	3.0	16.5	+ - .6	4.9
018	137	1.6	19.5	+ - .6	2.9	16.0	+ - .6	4.9
019	115	1.2	19.8	+ - .6	3.0	16.2	+ - .6	4.9
020	92	1.1	18.9	+ - .6	2.8	15.4	+ - .6	4.8
021	229	20.	18.3	+ - .5	2.7	14.9	+ - .5	4.8
022	229	20.	18.3	+ - .5	2.7	14.9	+ - .5	4.8
023	229	20.	18.5	+ - .6	2.8	15.0	+ - .6	4.8
024	196	8	19.2	+ - .6	2.9	15.7	+ - .6	4.8
025	168	7.2	18.8	+ - .6	2.8	15.6	+ - .6	4.8
026	152	.6	19.2	+ - .6	2.9	15.7	+ - .6	4.8
TRANSIT DOSE =			1.4	+ - .3	4.7			

FITZPATRICK/NINE MI.
FOR THE PERIOD 850917-860122

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
348.75-11.25 (N)	NO DATA+-NO DATA	0
11.25-33.75 (NNE)	NO DATA+-NO DATA	0
33.75-56.25 (NE)	NO DATA+-NO DATA	0
56.25-78.75 (ENE)	14.6 \pm 0.0	1
78.75-101.25 (E)	15.6 \pm .2	2
101.25-123.75 (ESE)	15.4 \pm .7	3
123.75-146.25 (SE)	15.8 \pm .3	2
146.25-168.75 (SSE)	15.7 \pm .6	4
168.75-191.25 (S)	16.0 \pm 1.2	3
191.25-213.75 (SSW)	15.4 \pm .5	3
213.75-236.25 (SW)	15.6 \pm .7	4
236.25-258.75 (WSW)	15.3 \pm 0.0	1
258.75-281.25 (W)	NO DATA+-NO DATA	0
281.25-303.75 (WNW)	NO DATA+-NO DATA	0
303.75-326.25 (NW)	NO DATA+-NO DATA	0
326.25-348.75 (NNW)	NO DATA+-NO DATA	0

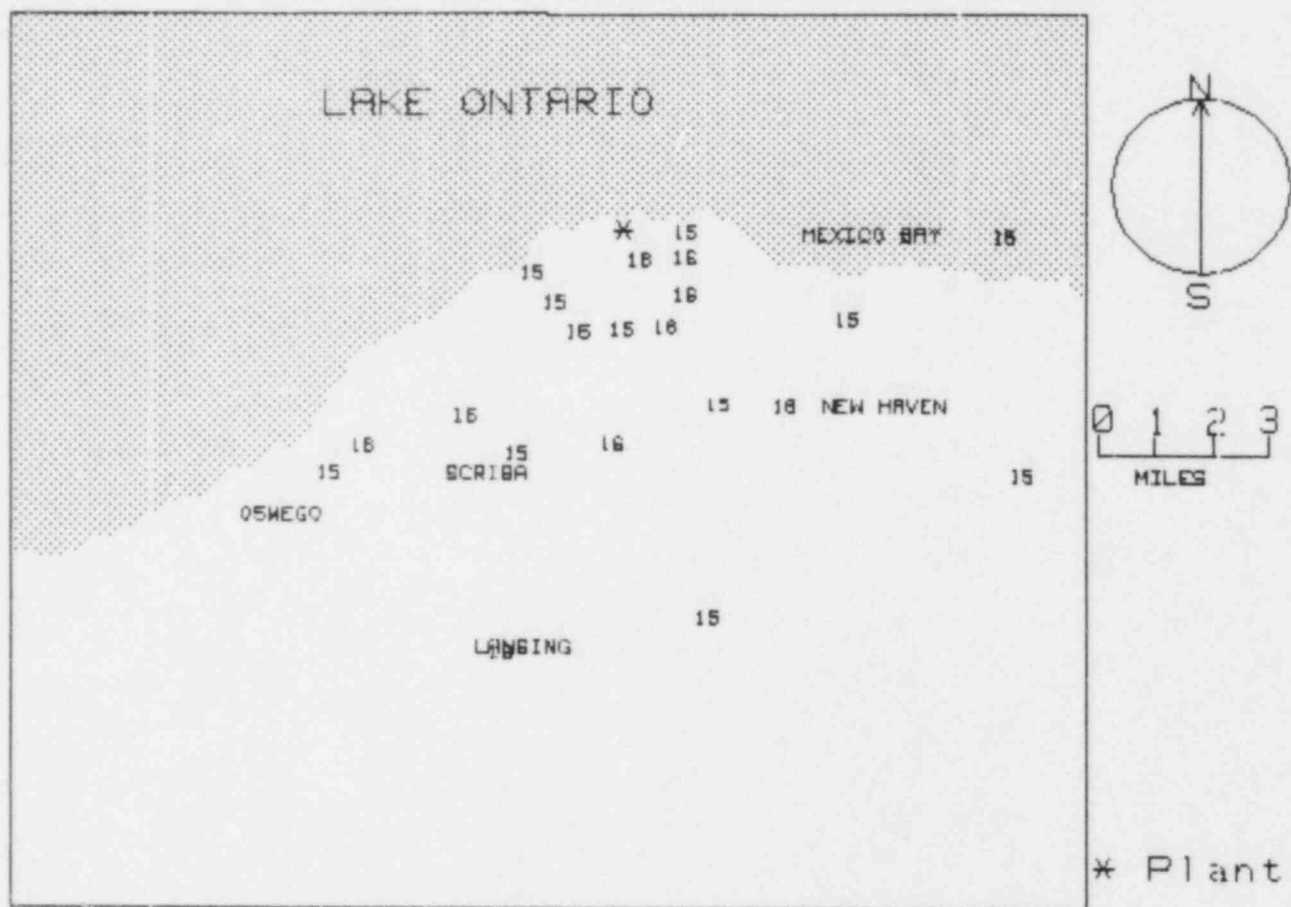
DISTANCE(mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
0-2	15.6 \pm .6	9
2-5	15.4 \pm .5	6
>5	15.7 \pm .8	8
UPWIND CONTROL DATA	14.9 \pm .1	3

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	11.0	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	20.0	229	FAIR HAVEN STATE PARK
22	20.0	229	FAIR HAVEN STATE PARK
23	20.0	229	FAIR HAVEN STATE PARK
24	8.0	196	FROST ROAD
25	7.2	168	O'CONNOR RD.
26	.6	152	NEAREST RESIDENT

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



FT. CALHOUN
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
 FOR THE PERIOD 850911-860116 128 DAYS
 FIELD TIME 93 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)		NET EXPOSURE RATE			
	AZIMUTH/ (deg.)	DIST (mi.)	+ -	Rdm; Tot.	mR/Std. Dtr. + -	Rdm; Tot.		
001	358	2.0	23.9	+- .7	19.2	+- .00	6.1	
002	351	4.6	24.0	+- .7	19.4	+- .00	6.1	
003	30	2.5	24.6	+- .7	20.0	+- .00	6.1	
004	27	4.6	24.0	+- .7	20.1	+- .00	6.1	
005	53	1.9	22.9	+- .7	18.3	+- .7	6.0	
006	37	3.9	24.3	+- .7	19.7	+- .00	6.1	
007	76	2.0	25.0	+- .8	21.1	+- .00	6.2	
008	59	2.0	25.6	+- .8	20.9	+- .00	6.2	
009	100	2.0	22.4	+- .7	17.0	+- .7	5.9	
010	88	2.5	24.5	+- .7	19.0	+- .00	6.1	
011	122	2.0	25.4	+- .8	20.7	+- .00	6.2	
012	105	5.7	24.2	+- .7	19.5	+- .00	6.1	
013	145	1.9	26.0	+- .8	21.0	+- .00	6.2	
014	128	5.0	25.0	+- .8	20.3	+- .00	6.2	
015	157	1.9	24.7	+- .7	20.1	+- .00	6.1	
016	150	4.9	25.1	+- .8	20.4	+- .00	6.2	
017	173	0.5	25.2	+- .8	20.5	+- .00	6.2	
018	173	5.3	26.7	+- .8	21.9	+- .00	6.3	
019	212	2.5	28.0	+- .8	23.2	+- .9	6.4	
020	204	5.3	26.9	+- .8	22.1	+- .00	6.3	
021	233	2.0	MISSING OR DAMAGED DOSIMETER					
022	224	4.6	26.5	+- .8	21.7	+- .00	6.3	
023	239	0.6	24.7	+- .7	20.0	+- .00	6.1	
024	243	6.9	24.1	+- .7	19.4	+- .00	6.1	
025	269	3.3	26.2	+- .8	21.5	+- .00	6.3	
026	262	5.9	26.3	+- .8	21.6	+- .00	6.3	
027	288	2.0	25.1	+- .8	20.4	+- .00	6.2	
028	292	5.0	25.3	+- .8	20.6	+- .00	6.2	
029	311	2.4	25.6	+- .8	20.9	+- .00	6.2	
030	310	5.5	25.7	+- .8	21.0	+- .00	6.2	
031	340	2.3	23.4	+- .7	18.7	+- .00	6.0	
032	338	5.3	25.7	+- .8	21.0	+- .00	6.2	
033	182	0.5	25.0	+- .7	20.3	+- .00	6.2	
035	127	2.2	24.6	+- .7	19.9	+- .00	6.1	
039	150	5.0	24.1	+- .7	19.5	+- .00	6.1	
040	73	9.5	25.4	+- .8	20.7	+- .00	6.2	
043	29	8.0	24.3	+- .7	19.7	+- .00	6.1	
044	65	3.5	22.7	+- .7	18.1	+- .7	6.0	
045	182	4.2	26.2	+- .8	21.5	+- .00	6.3	
047	298	4.5	24.6	+- .7	19.9	+- .00	6.1	
048	13	14.	25.2	+- .8	20.5	+- .00	6.2	
049	207	19.	MISSING OR DAMAGED DOSIMETER					

TRANSIT DOSE = 4.0 +- .3 ; 5.1

FT. CALHOUN
FOR THE PERIOD 850911-860116

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
348.75-11.25 (N)	19.3 \pm .1	2
11.25-33.75 (NNE)	19.9 \pm .2	3
33.75-56.25 (NE)	19.0 \pm 1.0	2
56.25-78.75 (ENE)	20.2 \pm 1.4	4
78.75-101.25 (E)	18.8 \pm 1.4	2
101.25-123.75 (ESE)	20.1 \pm .9	2
123.75-146.25 (SE)	20.5 \pm .7	3
146.25-168.75 (SSE)	20.0 \pm .5	3
168.75-191.25 (S)	21.1 \pm .8	4
191.25-213.75 (SSW)	22.7 \pm .8	2
213.75-236.25 (SW)	21.7 \pm 0.0	1
236.25-258.75 (WSW)	19.7 \pm .4	2
258.75-281.25 (W)	21.5 \pm .1	2
281.25-303.75 (WNW)	20.3 \pm .4	3
303.75-326.25 (NW)	20.9 \pm .1	2
326.25-348.75 (NNW)	19.9 \pm 1.6	2

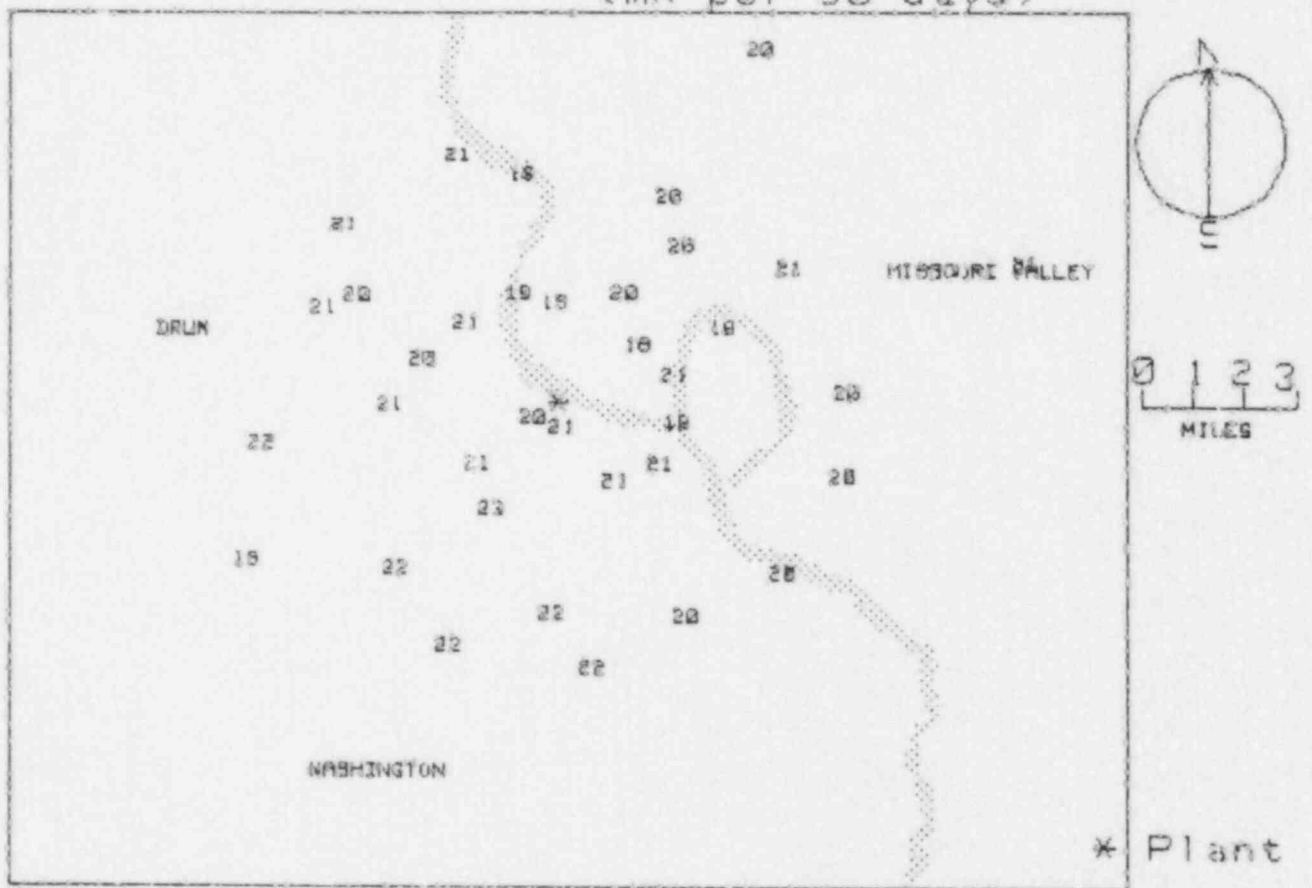
DISTANCE(mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
0-2	20.0 \pm 1.0	7
2-5	20.3 \pm 1.3	20
>5	20.7 \pm .9	12
UPWIND CONTROL DATA	20.5 \pm 0.0	1

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

NRC TLD DOSES FOR FORT CALHOUN AREA (mR per 30 days)



FT. ST. VRAIN
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
 FOR THE PERIOD 850911-860113 125 DAYS
 FIELD TIME 93 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)			NET EXPOSURE RATE			
	AZIMUTH (deg.)	DIST (m.)	+/-	Rdm	Tot.	mR/Std. Dtr.	+/-	Rdm	Tot.
001	0	0.0	05.6	+-	1.1	27.2	+-	1.1	0.0
002	2	0.0	05.6	+-	1.1	27.2	+-	1.1	0.0
003	29	0.0	05.6	+-	1.1	27.2	+-	1.1	0.0
004	17	0.4	05.6	+-	1.1	27.2	+-	1.1	0.0
005	54	1.1	05.6	+-	1.1	27.2	+-	1.1	0.0
026	48	4.0	05.6	+-	1.2	28.7	+-	1.2	0.4
007	76	2.0	05.6	+-	1.2	28.1	+-	1.2	0.3
008	58	4.4	05.6	+-	1.2	28.2	+-	1.2	0.3
009	100	4.4	05.6	+-	1.2	28.2	+-	1.2	0.4
010	87	4.4	05.6	+-	1.1	28.0	+-	1.1	0.3
011	118	1.1	05.6	+-	1.2	31.7	+-	1.2	0.5
012	104	3.0	05.6	+-	1.2	32.0	+-	1.2	0.5
013	140	4.4	05.6	+-	1.1	29.2	+-	1.1	0.3
014	120	4.4	05.6	+-	1.2	31.1	+-	1.2	0.5
015	168	2.0	05.6	+-	1.1	28.0	+-	1.1	0.3
016	148	4.4	05.6	+-	1.1	28.2	+-	1.1	0.3
017	182	0.0	05.6	+-	1.1	29.0	+-	1.1	0.3
018	175	4.4	05.6	+-	1.2	31.1	+-	1.2	0.4
019	210	0.0	05.6	+-	1.2	30.2	+-	1.2	0.3
020	200	2.0	05.6	+-	1.2	30.8	+-	1.2	0.4
021	234	1.1	05.6	+-	1.2	30.8	+-	1.2	0.3
022	216	3.0	05.6	+-	1.1	27.0	+-	1.1	0.3
023	254	2.0	05.6	+-	1.1	29.0	+-	1.1	0.3
024	244	3.0	05.6	+-	1.1	28.2	+-	1.1	0.3
025	278	1.1	05.6	+-	1.1	27.0	+-	1.1	0.3
026	263	5.4	05.6	+-	1.1	26.6	+-	1.1	0.3
027	297	1.7	05.6	+-	1.0	25.9	+-	1.1	0.3
028	284	5.6	05.6	+-	1.1	27.4	+-	1.1	0.3
029	317	0.9	05.6	+-	1.0	27.7	+-	1.1	0.3
030	305	4.2	05.6	+-	1.0	26.0	+-	1.1	0.3
031	338	1.4	05.6	+-	1.1	27.0	+-	1.1	0.3
032	330	5.5	05.6	+-	1.0	24.9	+-	1.1	0.3
033	267	5.0	05.6	+-	1.2	31.0	+-	1.2	0.5
034	130	3.7	05.6	+-	1.1	28.1	+-	1.1	0.3
035	270	0.1	05.6	+-	1.1	28.0	+-	1.1	0.3
038	345	6.7	05.6	+-	1.1	27.0	+-	1.1	0.3
039	10	5.0	05.6	+-	1.1	27.7	+-	1.1	0.3
040	63	6.0	05.6	+-	1.1	28.0	+-	1.1	0.3
041	165	12.0	05.6	+-	1.2	31.7	+-	1.2	0.5
042	248	13.0	05.6	+-	1.3	33.9	+-	1.3	0.6
045	198	11.0	05.6	+-	1.1	29.5	+-	1.1	0.3
046	39	16.0	05.6	+-	1.1	28.0	+-	1.1	0.3
047	357	17.0	05.6	+-	1.0	25.4	+-	1.1	0.3
048	171	18.0	05.6	+-	1.1	29.7	+-	1.1	0.3
049	360	0.5	05.6	+-	1.2	31.9	+-	1.2	0.5
TRANSIT DOSE =			7.5	+-	0.5				6.4

FT. ST. VRAIN
FOR THE PERIOD 850911-860113

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
348.75-11.25 (N)	27.7 \pm .5	3
11.25-33.75 (NNE)	29.5 \pm .2	2
33.75-56.25 (NE)	29.3 \pm 1.2	3
56.25-78.75 (ENE)	29.7 \pm .8	3
78.75-101.25 (E)	29.2 \pm 1.4	2
101.25-123.75 (ESE)	32.2 \pm .8	2
123.75-146.25 (SE)	29.6 \pm 1.8	3
146.25-168.75 (SSE)	29.6 \pm 1.9	3
168.75-191.25 (S)	30.0 \pm 1.5	2
191.25-213.75 (SSW)	30.2 \pm .6	3
213.75-236.25 (SW)	28.5 \pm 2.1	2
236.25-258.75 (WSW)	30.4 \pm 3.1	3
258.75-281.25 (W)	28.2 \pm 2.1	4
281.25-303.75 (WNW)	26.9 \pm 1.4	2
303.75-326.25 (NNW)	26.1 \pm .2	2
326.25-348.75 (NNW)	26.9 \pm 1.8	3

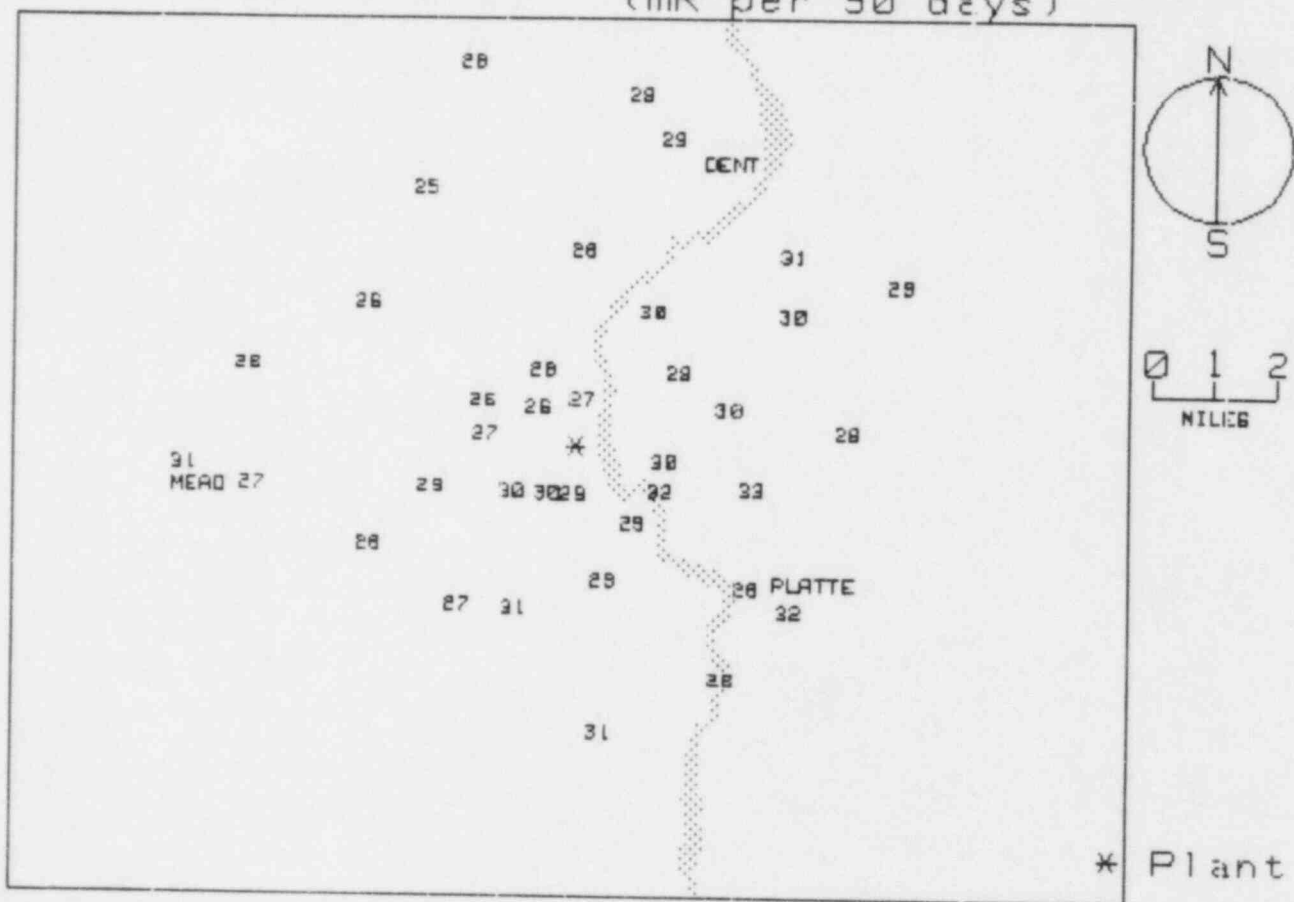
DISTANCE (mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
0-2	28.5 \pm 1.8	12
2-5	29.0 \pm 2.0	19
>5	29.4 \pm 2.1	11
UPWIND CONTROL DATA	29.0 \pm 3.3	3

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. 19 & 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

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



GINNA
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
 FOR THE PERIOD 850917-860122 128 DAYS
 FIELD TIME 100 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE(mR)		NET EXPOSURE RATE	
	AZIMUTH/DIST (deg.)	(mi.)	+ Rdm; Tot.		mR/Std. Qtr. + Rdm; Tot.	
001	95	1.7	19.2 +- .6	2.9	15.2 +- .6	5.1
002	108	1.1	18.5 +- .6	2.8	14.5 +- .6	5.0
003	142	1.7	18.4 +- .6	2.8	14.4 +- .6	5.0
004	154	1.5	18.7 +- .6	2.8	14.8 +- .6	5.1
005	174	1.4	18.7 +- .6	2.8	14.8 +- .6	5.1
006	212	1.6	18.2 +- .5	2.7	14.3 +- .6	5.0
007	244	.9	17.8 +- .5	2.7	13.9 +- .6	5.0
008	230	.6	19.2 +- .6	2.9	15.2 +- .6	5.1
010	266	1.5	18.3 +- .5	2.7	14.4 +- .6	5.0
011	264	4.6	19.7 +- .6	2.9	15.6 +- .6	5.1
012	245	3.8	18.2 +- .5	2.7	14.3 +- .6	5.0
013	235	4.2	17.8 +- .5	2.7	14.8 +- .6	5.0
014	200	3.8	18.0 +- .5	2.7	14.1 +- .6	5.0
015	178	3.4	18.7 +- .6	2.8	14.7 +- .6	5.1
016	160	3.7	MISSING OR DAMAGED DOSIMETER			
017	134	3.8	18.2 +- .5	2.7	14.3 +- .6	5.0
018	115	4.3	19.2 +- .6	2.9	15.2 +- .6	5.1
019	88	4	17.9 +- .5	2.7	14.8 +- .6	5.0
020	90	6.2	MISSING OR DAMAGED DOSIMETER			
021	123	7.6	17.1 +- .5	2.6	13.3 +- .5	5.0
022	151	11.	18.2 +- .5	2.7	14.3 +- .6	5.0
023	105	12.	18.5 +- .6	2.8	14.6 +- .6	5.0
024	212	14.	22.6 +- .7	3.4	18.2 +- .7	5.3
025	223	13.	19.1 +- .6	2.9	15.1 +- .6	5.1
026	242	16.	19.6 +- .6	2.9	15.6 +- .6	5.1
027	254	14.	19.7 +- .6	2.9	15.6 +- .6	5.1
028	234	6.9	18.3 +- .5	2.7	14.4 +- .6	5.0
029	185	.3	19.1 +- .6	2.9	15.1 +- .6	5.1
030	264	15.	18.3 +- .5	2.7	14.4 +- .6	5.0
TRANSIT DOSE =			2.3 +- .3	4.9		

GINNA
FOR THE PERIOD 850917-860122

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
348.75-11.25 (N)	NO DATA+-NO DATA	0
11.25-33.75 (NNE)	NO DATA+-NO DATA	0
33.75-56.25 (NE)	NO DATA+-NO DATA	0
56.25-78.75 (ENE)	NO DATA+-NO DATA	0
78.75-101.25 (E)	14.6 \pm .8	2
101.25-123.75 (ESE)	14.4 \pm .8	4
123.75-146.25 (SE)	14.4 \pm .1	2
146.25-168.75 (SSE)	14.5 \pm .3	2
168.75-191.25 (S)	14.9 \pm .2	3
191.25-213.75 (SSW)	15.6 \pm 2.3	3
213.75-236.25 (SW)	14.6 \pm .6	4
236.25-258.75 (WSW)	14.1 \pm .3	2
258.75-281.25 (W)	15.0 \pm .9	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

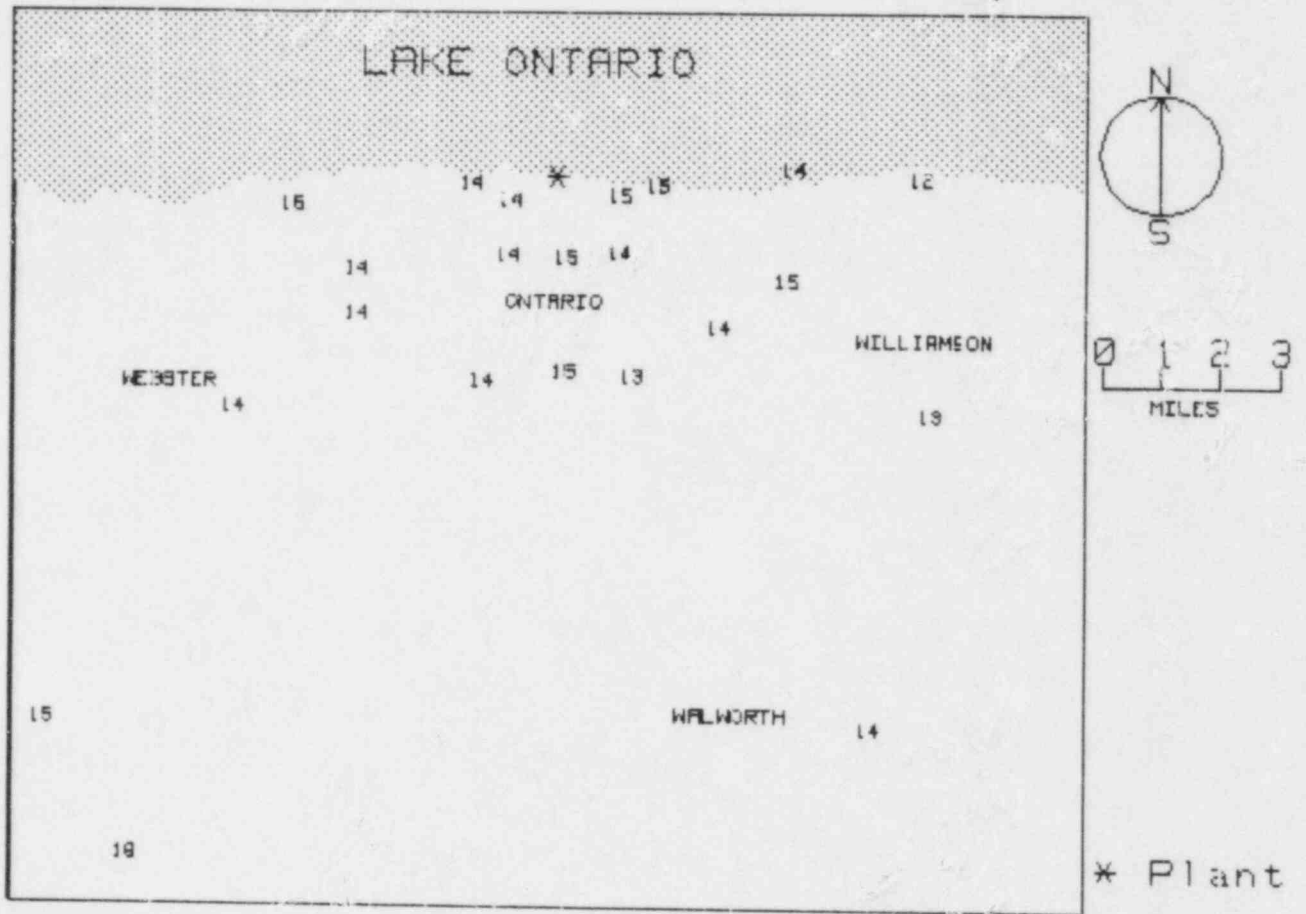
DISTANCE(mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
0-2	14.7 \pm .4	10
2-5	14.5 \pm .6	8
>5	15.0 \pm 1.7	6
UPWIND CONTROL DATA	15.2 \pm .7	3

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	11.0	151	MARION
23	12.0	105	SODUS
24	14.0	212	FAIRPORT
25	13.0	223	PENFIELD
26	16.0	242	ROCHESTER MUSEUM
27	14.0	254	IRONDEQUIT TOWN HALL
28	6.9	234	WEBSTER
29	.3	185	FARM IN FRONT OF PLANT
30	15.0	264	ROCHESTER

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



GRAND GULF
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
 FOR THE PERIOD 850913-860109 119 DAYS
 FIELD TIME 93 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE(mR)		NET EXPOSURE RATE	
	AZIMUTH (deg.)	DIST (mi.)	+ Rdm;	Tot.	mR/Std.Qtr. + Rdm;	Tot.
001	337	2.7	19.6	+- .6	16.0	+- .6
002	351	1.6	16.6	+- .5	13.9	+- .5
003	20	1.5	19.2	+- .5	16.4	+- .5
004	51	2.3	18.5	+- .5	15.7	+- .5
005	68	2.7	19.4	+- .5	16.6	+- .5
006	47	4.1	19.0	+- .5	17.0	+- .5
007	68	4.9	21.1	+- .5	18.2	+- .5
008	91	3.2	21.9	+- .5	19.0	+- .5
009	81	1.0	19.3	+- .5	16.5	+- .5
010	109	0.6	21.3	+- .5	18.4	+- .5
011	139	0.0	20.2	+- .5	17.4	+- .5
012	185	1.6	19.6	+- .5	16.0	+- .5
013	207	1.9	21.1	+- .5	18.3	+- .5
014	247	1.5	19.3	+- .5	16.5	+- .5
015	130	4.2	21.2	+- .5	18.6	+- .5
016	122	4.0	21.0	+- .5	18.1	+- .5
017	135	5.3	18.9	+- .5	16.1	+- .5
018	147	4.3	17.9	+- .5	15.2	+- .5
019	224	6.0	20.9	+- .5	18.1	+- .5
020	172	3.6	18.5	+- .5	15.7	+- .5
021	291	12.1	19.7	+- .5	16.9	+- .5
022	332	8.0	21.6	+- .5	18.7	+- .5
023	310	7.9	19.0	+- .5	16.3	+- .5
024	281	7.0	19.1	+- .5	16.3	+- .5
025	291	4.0	20.1	+- .5	17.3	+- .5
026	248	9.5	18.4	+- .5	15.6	+- .5
027	239	13.1	18.9	+- .5	16.1	+- .5
029	090	0.9	20.3	+- .5	17.5	+- .5
030	67	51	17.0	+- .5	14.3	+- .5
031	67	51	17.6	+- .5	14.9	+- .5
032	67	51	17.2	+- .5	14.5	+- .5
033	206	4.8	20.0	+- .5	17.2	+- .5
TRANSIT DOSE =		2.2 +- .3	; 4.6			

GRAND GULF
FOR THE PERIOD 850913-860109

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std. Dev.	# IN GROUP
348.75-11.25 (N)	13.9 \pm 0.0	1
11.25-33.75 (NNE)	16.4 \pm 0.0	1
33.75-56.25 (NE)	16.3 \pm .9	2
56.25-78.75 (ENE)	17.4 \pm 1.1	2
78.75-101.25 (E)	17.7 \pm 1.3	3
101.25-123.75 (ESE)	18.3 \pm .2	2
123.75-146.25 (SE)	17.3 \pm 1.1	3
146.25-168.75 (SSE)	15.2 \pm 0.0	1
168.75-191.25 (S)	16.3 \pm .8	2
191.25-213.75 (SSW)	17.7 \pm .8	2
213.75-236.25 (SW)	18.1 \pm 0.0	1
236.25-258.75 (WSW)	16.1 \pm .4	3
258.75-281.25 (W)	16.3 \pm 0.0	1
281.25-303.75 (WNW)	17.1 \pm .3	2
303.75-326.25 (NW)	16.3 \pm 0.0	1
326.25-348.75 (NNW)	17.8 \pm 1.4	2

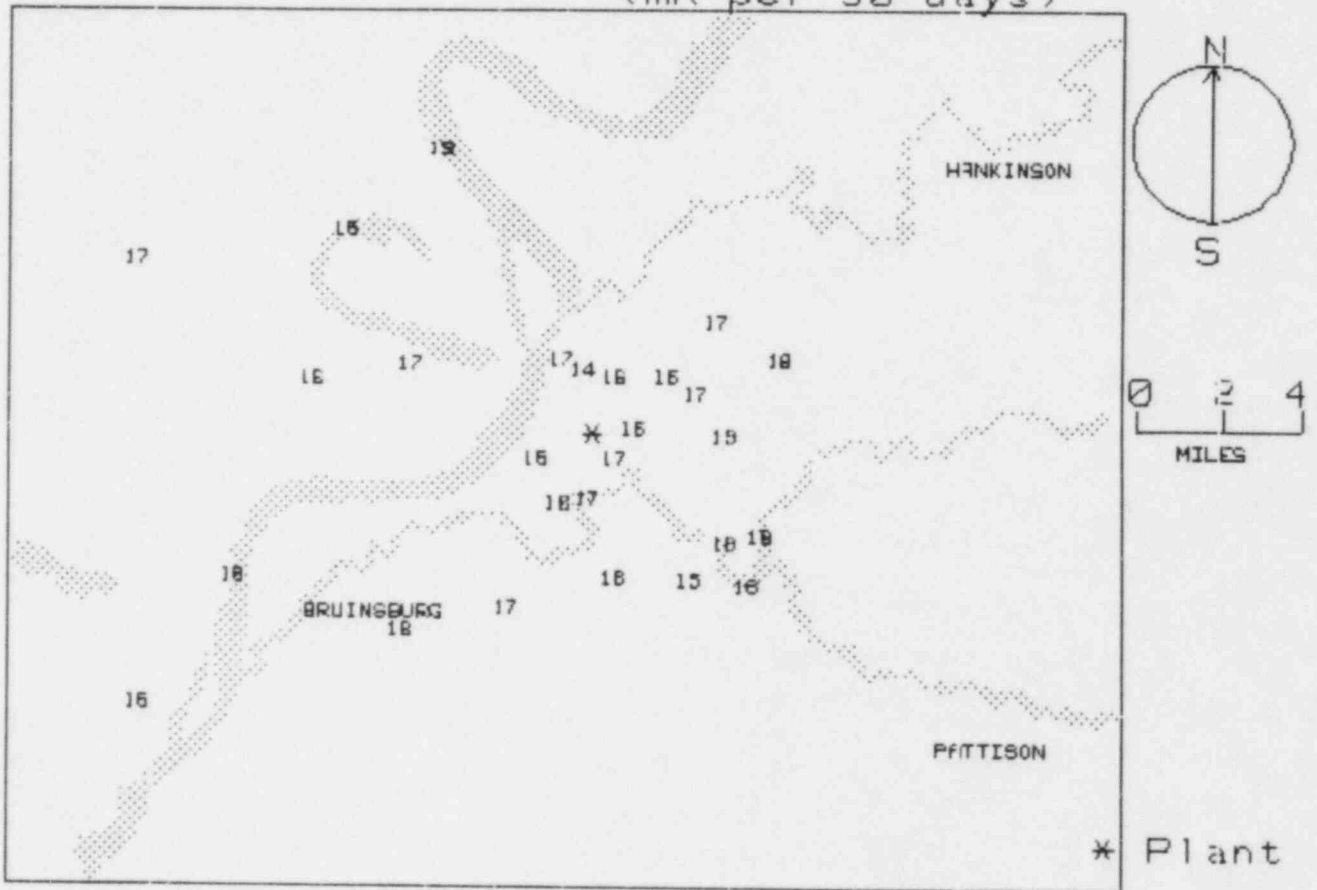
DISTANCE (mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std. Dev.	# IN GROUP
0-2	16.9 \pm 1.3	10
2-5	17.1 \pm 1.2	11
>5	16.8 \pm 1.1	8
UPWIND CONTROL DATA	14.6 \pm .3	3

GRAND GULF

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING LOCATIONS

STATION	DIST(mi.)	DIR	DESCRIPTION
1	2.0	337	FT. COBUN
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	NSW 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	13.0	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

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



HADDAM NECK
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
 FOR THE PERIOD 850918-860109 114 DAYS
 FIELD TIME 91 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE(mR)			NET EXPOSURE RATE				
	AZIMUTH/ (deg.)	DIST (mi.)	+ -	Rdm;	Tot.	mR/Std. Qtr.	+ -	Rdm; Tot.		
002	17	2.6	20.5	+-	.6	3.1	18.5	+- .7	5.2	
003	45	1.9	23.4	+-	.7	3.5	21.4	+- .7	5.5	
004	67	2.3	19.6	+-	.6	2.9	17.6	+- .6	5.2	
005	93	1.6	18.2	+-	.5	2.7	16.2	+- .6	5.0	
006	115	2.3	17.7	+-	.5	2.6	15.8	+- .6	5.0	
007	143	1.9	19.6	+-	.6	2.9	17.6	+- .6	5.2	
008	165	.9	18.7	+-	.6	2.8	16.7	+- .6	5.1	
009	174	1.3	19.5	+-	.6	2.9	17.6	+- .6	5.2	
010	195	.7	18.2	+-	.5	2.7	16.3	+- .6	5.0	
012	241	.8	18.7	+-	.6	2.8	16.8	+- .6	5.1	
013	263	.8	17.7	+-	.5	2.6	15.8	+- .6	5.0	
014	290	1.9	19.7	+-	.6	2.9	17.7	+- .6	5.2	
015	311	1.5	17.7	+-	.5	2.7	15.8	+- .6	5.0	
016	341	1.3	19.4	+-	.6	2.9	17.4	+- .6	5.1	
017	360	2.3	21.7	+-	.6	3.2	19.7	+- .7	5.3	
018	222	2.5	18.0	+-	.5	2.7	16.1	+- .6	5.0	
019	269	3	17.9	+-	.5	2.7	16.0	+- .6	5.0	
020	66	3.2	19.5	+-	.6	2.9	17.6	+- .6	5.2	
021	91	2.8	20.1	+-	.6	3.0	18.2	+- .7	5.2	
022	112	3.2	MISSING OR DAMAGED DOSIMETER							
023	137	2.9	17.2	+-	.5	2.6	15.3	+- .6	5.0	
024	155	7.1	18.6	+-	.6	2.8	16.6	+- .6	5.1	
025	175	5.7	17.9	+-	.5	2.7	16.0	+- .6	5.0	
026	196	2.5	17.0	+-	.5	2.6	15.1	+- .6	5.0	
027	225	1.1	19.5	+-	.6	2.9	17.6	+- .6	5.2	
028	250	3.5	17.9	+-	.5	2.7	16.0	+- .6	5.0	
029	340	20	19.4	+-	.6	2.9	17.5	+- .6	5.1	
030	286	3.2	17.7	+-	.5	2.7	15.8	+- .6	5.0	
031	322	2.7	19.3	+-	.6	2.9	17.3	+- .6	5.1	
032	327	2.9	20.0	+-	.6	3.1	18.8	+- .7	5.3	
033	359	6.4	17.7	+-	.5	2.6	15.8	+- .6	5.0	
035	54	10.	18.1	+-	.5	2.7	16.2	+- .6	5.0	
036	72	8.8	21.0	+-	.6	3.2	19.1	+- .7	5.3	
037	149	6.8	17.3	+-	.5	2.6	15.4	+- .6	5.0	
038	158	5.9	17.2	+-	.5	2.6	15.3	+- .6	5.0	
039	267	8.8	18.6	+-	.6	2.8	16.7	+- .6	5.1	
040	303	9.1	22.5	+-	.7	3.4	20.5	+- .7	5.4	
041	313	9.6	18.7	+-	.6	2.8	16.8	+- .6	5.1	
042	320	13.	19.4	+-	.6	2.9	17.5	+- .6	5.1	
043	324	18	17.1	+-	.5	2.6	15.2	+- .6	5.0	
044	328	15	18.8	+-	.6	2.8	16.8	+- .6	5.1	
045	343	18	20.0	+-	.6	3.0	18.0	+- .7	5.2	
046	144	5	19.4	+-	.6	2.9	17.5	+- .6	5.1	
049	340	20	19.3	+-	.6	2.9	17.4	+- .6	5.1	
TRANSIT DOSE =			1.7	+-	.3	4.3				

HADDAM NECK
FOR THE PERIOD 850918-860109

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std. Dev.	# IN GROUP
348.75-11.25 (N)	17.7 \pm 2.8	2
11.25-33.75 (NNE)	18.5 \pm 0.0	1
33.75-56.25 (NE)	18.8 \pm 3.7	2
56.25-78.75 (ENE)	18.1 \pm .8	3
78.75-101.25 (E)	17.2 \pm 1.4	2
101.25-123.75 (ESE)	15.8 \pm 0.0	1
123.75-146.25 (SE)	16.8 \pm 1.3	3
146.25-168.75 (SSE)	16.0 \pm .8	4
168.75-191.25 (S)	16.8 \pm 1.2	2
191.25-213.75 (SSW)	15.7 \pm .8	2
213.75-236.25 (SW)	16.8 \pm 1.0	2
236.25-258.75 (WSW)	16.4 \pm .6	2
258.75-281.25 (W)	16.1 \pm .5	3
281.25-303.75 (WNW)	18.0 \pm 2.4	3
303.75-326.25 (NW)	16.5 \pm 1.0	5
326.25-348.75 (NNW)	17.7 \pm .7	5

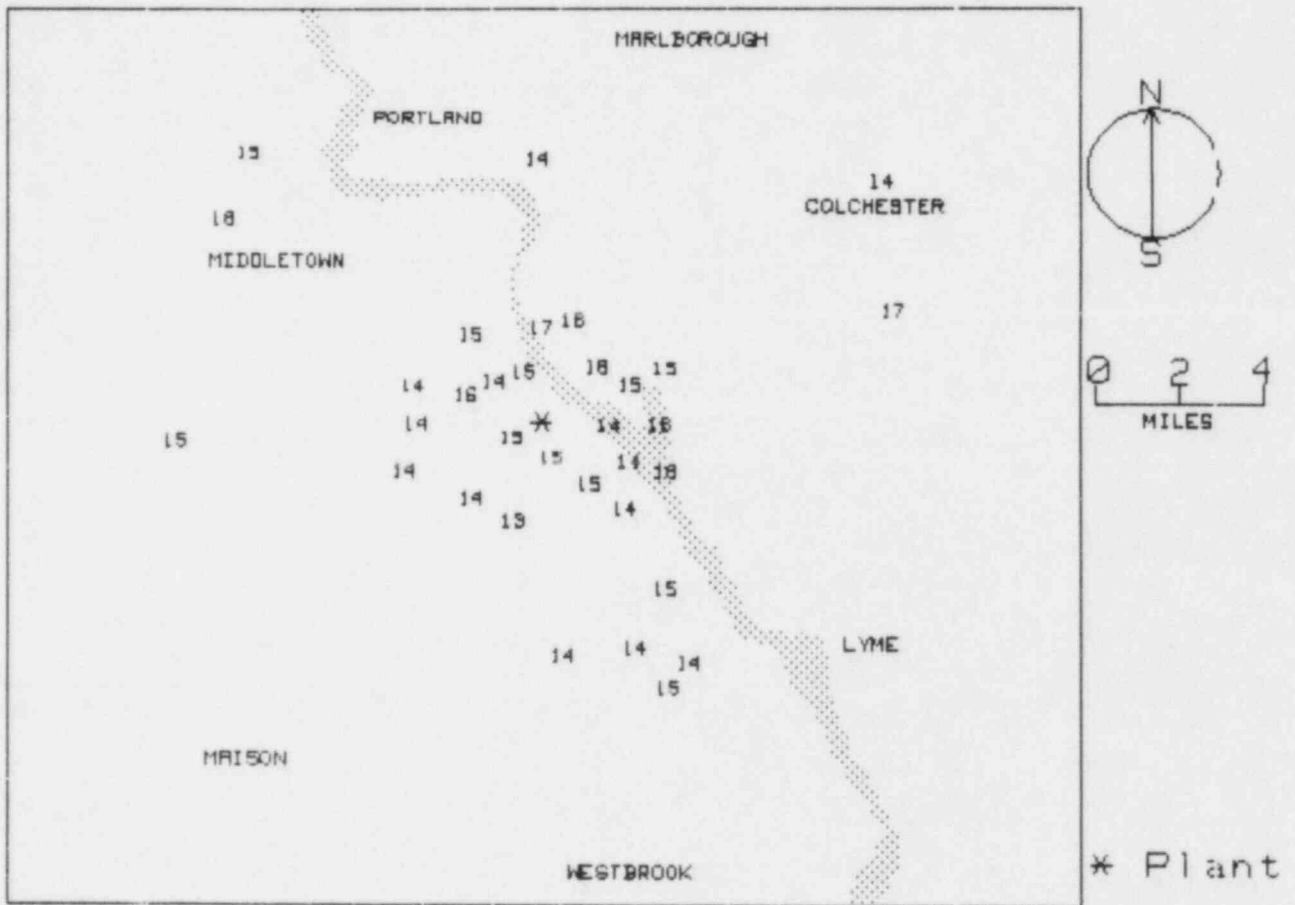
DISTANCE(mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std. Dev.	# IN GROUP
0-2	17.3 \pm 1.5	12
2-5	17.0 \pm 1.4	15
>5	16.9 \pm 1.5	15
UPWIND CONTROL DATA	17.4 \pm 0.0	1

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
49	20.0	340	CONN. STATE CAPITOL

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



HARRIS
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
 FOR THE PERIOD 850916-860114 121 DAYS
 FIELD TIME 94 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE(mR)			NET EXPOSURE RATE				
	AZIMUTH/DIST (deg.) (mi.)		+ Rdm; Tot.			mR/Std. Dtr. + Rdm; Tot.				
001	36	2.6	20.4	+-	.6	3.1	17.5	+-	.7	5.3
002	25	3.2	19.3	+-	.6	2.9	16.4	+-	.6	5.2
003	5	2.5	20.2	+-	.6	3.0	17.2	+-	.6	5.3
004	27	1.5	22.1	+-	.7	3.3	19.1	+-	.7	5.4
005	36	0.9	17.3	+-	.5	2.6	14.4	+-	.6	5.0
006	68	0.8	16.3	+-	.5	2.4	13.5	+-	.5	5.0
007	98	0.7	19.8	+-	.6	3.0	16.9	+-	.6	5.2
008	232	0.7	17.9	+-	.5	2.7	15.1	+-	.6	5.1
009	190	0.8	15.9	+-	.5	2.4	13.2	+-	.5	4.9
010	158	0.7	17.9	+-	.5	2.7	15.1	+-	.6	5.1
011	42	4.7	23.5	+-	.7	3.5	20.4	+-	.7	5.5
012	40	8.6	20.8	+-	.6	3.1	17.8	+-	.7	5.3
013	298	13.	17.4	+-	.5	2.6	14.5	+-	.6	5.0
014	298	12.	17.6	+-	.5	2.6	14.8	+-	.6	5.1
015	298	11.	17.2	+-	.5	2.6	14.3	+-	.6	5.0
016	332	4.8	19.2	+-	.6	2.9	16.3	+-	.6	5.2
017	291	4.5	17.1	+-	.5	2.6	14.3	+-	.6	5.0
018	270	5.1	17.6	+-	.5	2.6	14.7	+-	.6	5.1
019	240	5.1	20.6	+-	.6	3.1	17.7	+-	.7	5.3
020	227	4.8	15.3	+-	.5	2.3	12.6	+-	.5	4.9
021	208	4.8	15.4	+-	.5	2.3	12.6	+-	.5	4.9
022	190	4.6	17.8	+-	.5	2.7	15.0	+-	.6	5.1
023	151	4.8	18.4	+-	.6	2.8	15.5	+-	.6	5.1
024	132	4.7	17.7	+-	.5	2.6	14.8	+-	.6	5.1
025	112	5.0	20.5	+-	.6	3.1	17.6	+-	.7	5.3
026	92	4.6	16.9	+-	.5	2.5	14.1	+-	.6	5.0
027	115	2.8	19.7	+-	.6	2.9	16.7	+-	.6	5.2
028	135	2.3	14.7	+-	.4	2.2	12.0	+-	.5	4.9
029	164	2.2	18.3	+-	.5	2.7	15.4	+-	.6	5.1
030	49	2.2	18.6	+-	.6	2.8	15.7	+-	.6	5.1
031	276	1.8	19.1	+-	.6	2.9	16.2	+-	.6	5.2
032	292	1.7	21.9	+-	.7	3.3	18.9	+-	.7	5.4
033	314	1.4	20.3	+-	.6	3.0	17.4	+-	.6	5.3
034	329	1.3	21.3	+-	.6	3.2	18.3	+-	.7	5.3
035	350	4.5	19.6	+-	.6	2.9	16.7	+-	.6	5.2
036	338	4.4	24.1	+-	.7	3.6	21.0	+-	.7	5.6
037	16	4.9	20.1	+-	.6	3.0	17.1	+-	.6	5.2
038	68	4.8	16.4	+-	.5	2.5	13.6	+-	.5	5.0
039	80	6.9	17.8	+-	.5	2.7	15.0	+-	.6	5.1
040	80	6.9	18.4	+-	.6	2.8	15.5	+-	.6	5.1
041	118	9.7	22.9	+-	.7	3.4	19.8	+-	.7	5.5
042	260	1.1	18.8	+-	.6	2.8	15.9	+-	.6	5.1
043	333	1.7	19.0	+-	.6	2.8	16.1	+-	.6	5.2
044	50	24.	25.6	+-	.8	3.8	22.4	+-	.8	5.7

TRANSIT DOSE = 2.2 +- .3 ; 4.6

HARRIS
FOR THE PERIOD 850916-860114

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	* IN GROUP
348.75-11.25 (N)	17.0 \pm .4	2
11.25-33.75 (NNE)	17.5 \pm 1.4	3
33.75-56.25 (NE)	18.0 \pm 3.0	6
56.25-78.75 (ENE)	13.6 \pm .0	2
78.75-101.25 (E)	15.4 \pm 1.2	4
101.25-123.75 (ESE)	18.0 \pm 1.6	3
123.75-146.25 (SE)	13.4 \pm 2.0	2
146.25-168.75 (SSE)	15.3 \pm .2	3
168.75-191.25 (S)	14.1 \pm 1.3	2
191.25-213.75 (SSW)	12.6 \pm 0.0	1
213.75-236.25 (SW)	13.8 \pm 1.0	2
236.25-258.75 (WSW)	17.7 \pm 0.0	1
258.75-281.25 (W)	15.6 \pm .8	3
281.25-303.75 (WNW)	16.6 \pm 3.2	2
303.75-326.25 (NW)	17.4 \pm 0.0	1
326.25-348.75 (NNW)	17.9 \pm 2.3	4

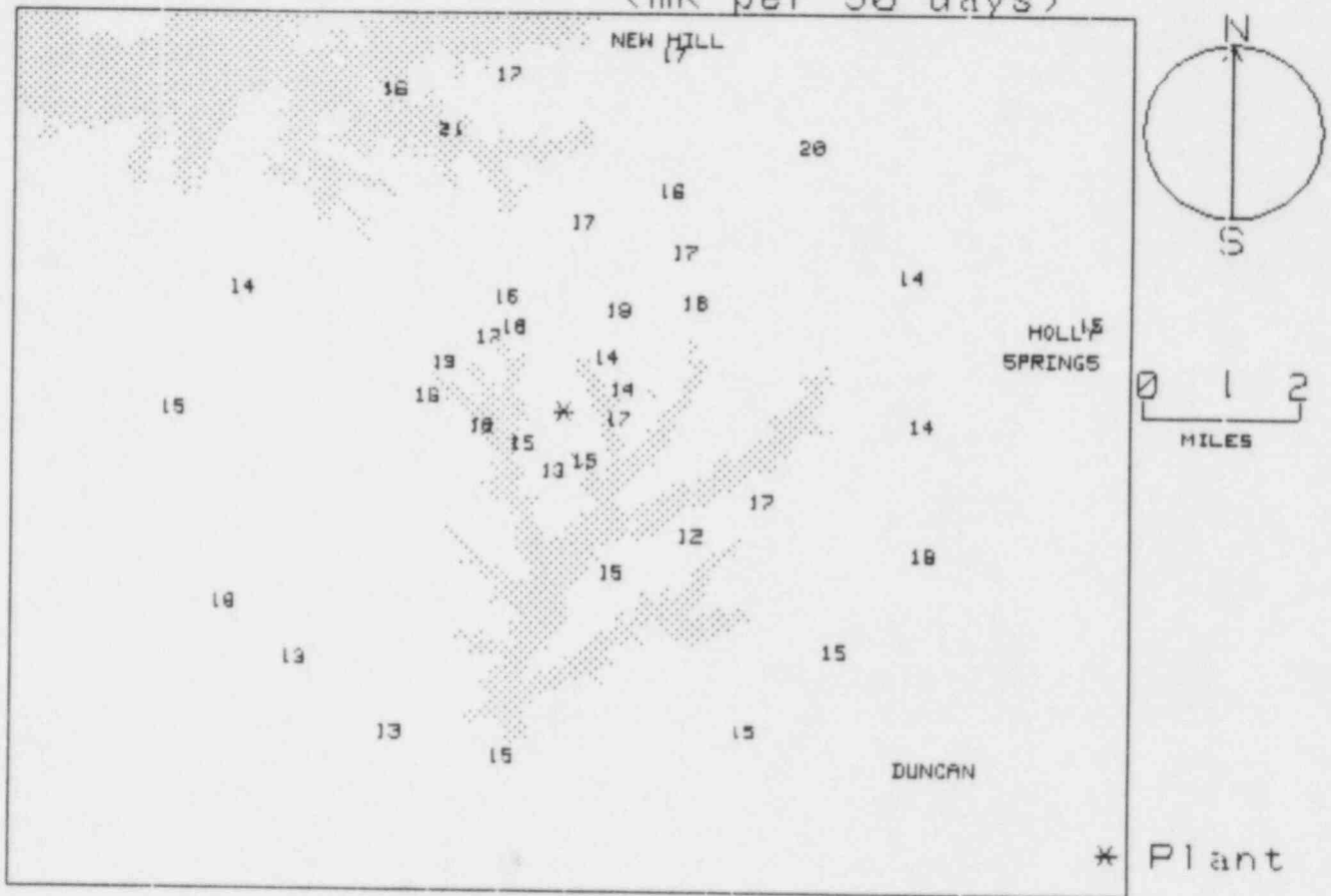
DISTANCE(mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	* IN GROUP
0-2	16.1 \pm 1.9	13
2-5	15.8 \pm 2.3	21
>5	17.6 \pm 2.6	7
UPWIND CONTROL DATA	14.6 \pm .2	3

HARRIS

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING LOCATIONS

STATION	DIST(mi.)	DIR	DESCRIPTION
1	2.6	36	N.OF SHE&E CENTER ON SR 1127
2	3.2	25	SR 1127 ACROSS 1ST BAPTIST CHURCH
3	2.5	5	SR 1134, SOUTH OF OLD US 1
4	1.5	27	OLD ROAD BED, EAST OF SR 1134
5	.9	36	JUNCTION SR 1134 & SR 1135
6	.8	68	DIRT RD EXTENSION OF SR 1134
7	.7	98	DIRT RD EXTENSION OF SR 1134
8	.7	232	ROAD ADJACENT TO THE INTAKE CANAL
9	.8	190	EAST SIDE OF RD,SOUTH OF POWERLINES
10	.7	158	POWER LINE RIGHT OF WAY
11	4.7	42	US 1 AT SR 1149 OVERPASS
12	8.6	40	JONES PARK, APEX, S.C.
13	13.0	298	PITTSBORO LINE & SERVICE OFFICE ON US64
14	12.0	298	PITTSBORO CHRISTIAN HOME
15	11.0	298	JUNCTION US64 & SR 1943
16	4.8	332	EAST SIDE OF SR 1008,POLE #2054
17	4.5	291	INTERSECTION SRS 1910,1909,AND 1908
18	5.1	270	SR 1908 EXIT RAMP OF US 1
19	5.1	240	CHEMBOND CORP. PARKING LOT
20	4.8	227	NORTHSIDE OF SR 1924 AT POWER LN
21	4.8	208	NC HWY42 ACROSS BUCKHORN U.M. CHURCH LOT
22	4.6	190	NORTH OF SPILLWAY MAINTENANCE
23	4.8	151	JUNCTION SR 1402&1401 ON SR 1402
24	4.7	132	SR 1116,NEAR SPRINGS CHURCH
25	5.0	112	POWER LINE RIGHT-OF WAY,NEAR SR1116
26	4.6	92	WEST OF SR 1115 NEAR HOUSE & BARN
27	2.8	115	SR 1127 WEST,JUNCTION SR 1127,1115&1130
28	2.3	135	SR 1130,1 MI SOUTH, HOLLEMAN'S
29	2.2	164	SR 1130 SOUTH OF STATION 28
30	2.2	49	REAR HARRIS ENERGY & ENV.CENTER
31	1.8	276	SR 1191
32	1.7	292	US 1 NEAR CHATHAM-WAKE CTY LINE
33	1.4	314	US 1 NEAR HARRIS LAKE
34	1.3	329	US1 .2 MI NORTH OF RAILROAD OVERPASS
35	4.5	350	SR1142 ON UNDERGROUND CABLE SIGN
36	4.0	338	SR1142 ON NC WILDLIFE SIGN
37	4.9	16	SR 1142,YARD OF DAIRY BARN
38	4.8	68	SR1152,1.2MI SOUTH OF 1152
39	6.9	80	EARP ST. HOLLY SPRINGS,NC
40	6.9	80	NORTH OF JUNCTION SR 1393 & 1421
41	9.7	118	CP&LOFFICE PARKING LOT
42	1.1	260	ACCESSE RD(EAST),TO AUX.RESERVOIR
43	1.7	333	LEWIS FISH RESIDENCE
44	24.0	50	NC ENV.RAD.RALEIGH N.C.

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



HATCH
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
 FOR THE PERIOD 850917-860122 128 DAYS
 FIELD TIME 92 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR) +- Rdm; Tot.	NET EXPOSURE RATE mR/Std. Qtr. +- Rdm; Tot.
	AZIMUTH (deg.)	DIST (mi.)		
001	342	23	17.9 +- .5	14.8 +- .6 ; 5.3
002	359	7.7	MISSING OR DAMAGED DOSIMETER	
003	354	4.5	16.8 +- .5	13.7 +- .6
004	336	2.9	17.4 +- .5	14.2 +- .6
005	309	4.6	16.8 +- .5	13.7 +- .6
006	297	5.6	18.8 +- .5	15.6 +- .6
007	24	2.8	17.5 +- .5	14.3 +- .6
008	49	2.8	17.3 +- .5	14.1 +- .6
009	49	1.8	17.8 +- .5	13.9 +- .6
010	28	4.8	17.6 +- .5	14.5 +- .6
011	67	5.8	18.2 +- .5	15.8 +- .6
012	58	5.1	21.6 +- .5	18.3 +- .7
013	353	2.8	16.5 +- .5	13.4 +- .6
014	341	1.6	18.1 +- .5	15.8 +- .6
015	14	1.6	15.6 +- .5	12.5 +- .6
016	232	8.9	16.1 +- .5	13.8 +- .6
017	285	1.6	17.3 +- .5	14.1 +- .6
018	192	4.2	14.5 +- .5	11.4 +- .6
019	184	4.2	15.3 +- .5	12.2 +- .6
020	165	4.6	16.5 +- .5	13.4 +- .6
021	135	4.4	16.4 +- .5	13.3 +- .6
022	128	4.1	19.1 +- .5	15.9 +- .6
023	187	3.7	17.4 +- .5	14.2 +- .6
024	12	1.4	15.8 +- .5	11.9 +- .6
025	114	1.2	16.5 +- .5	13.4 +- .6
026	142	1.8	18.6 +- .5	15.5 +- .6
027	157	2.2	17.8 +- .5	13.9 +- .6
028	171	8.9	17.5 +- .5	14.3 +- .6
029	253	1.8	17.2 +- .5	14.1 +- .6
030	278	1.8	21.3 +- .5	18.1 +- .7
031	292	1.1	17.9 +- .5	14.7 +- .6
032	268	4.2	17.8 +- .5	13.9 +- .6
033	248	4.3	15.6 +- .5	12.5 +- .6
034	216	4.1	14.9 +- .5	11.8 +- .6
035	23	1.2	16.2 +- .5	13.1 +- .6
036	182	1.8	15.8 +- .5	11.9 +- .6
037	177	1.8	16.5 +- .5	13.4 +- .6
038	323	1.2	18.4 +- .5	15.3 +- .6
039	321	1.3	19.5 +- .5	16.3 +- .6
040	323	1.2	18.8 +- .5	15.7 +- .6
TRANSIT DOSE =			2.8 +- .3 ; 4.7	

HATCH
FOR THE PERIOD 850917-860122

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
348.75-11.25 (N)	13.5 \pm .2	2
11.25-33.75 (NNE)	13.3 \pm 1.1	5
33.75-56.25 (NE)	15.5 \pm 2.5	3
56.25-78.75 (ENE)	15.0 \pm 0.0	1
78.75-101.25 (E)	NO DATA+-NO DATA	0
101.25-123.75 (ESE)	14.5 \pm 1.3	3
123.75-146.25 (SE)	14.4 \pm 1.5	2
146.25-168.75 (SSE)	13.6 \pm .4	2
168.75-191.25 (S)	13.0 \pm 1.1	4
191.25-213.75 (SSW)	12.8 \pm 1.9	2
213.75-236.25 (SW)	12.4 \pm .8	2
236.25-258.75 (WSW)	13.3 \pm 1.1	2
258.75-281.25 (W)	16.0 \pm 2.9	2
281.25-303.75 (WNW)	15.2 \pm .6	2
303.75-326.25 (NW)	13.7 \pm 0.0	1
326.25-348.75 (NNW)	14.7 \pm .4	3

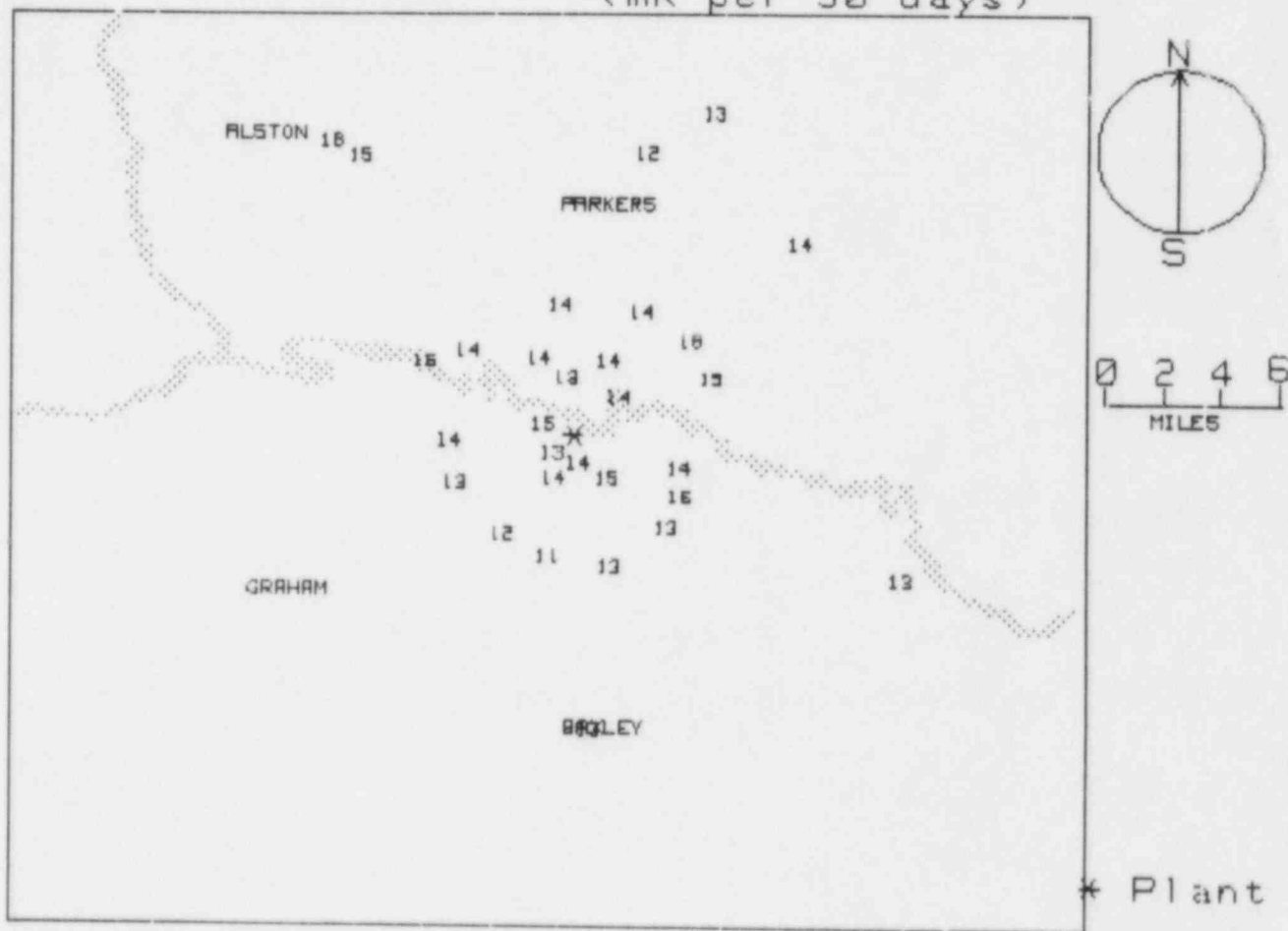
DISTANCE(mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
0-2	14.6 \pm 1.4	10
2-5	13.6 \pm 1.2	16
>5	13.8 \pm 2.0	10
UPWIND CONTROL DATA	15.7 \pm .5	3

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	14	McTIER CHURCH
16	.9	232	HWY. 1 AT POND
17	1.6	205	HWY. 1 NEAR HVT LINES
18	4.2	192	ALDOMADA 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	14.0	12	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	12.0	23	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

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



INDIAN POINT
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
 FOR THE PERIOD 850917-860122 128 DAYS
 FIELD TIME 98 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE(mR)		NET EXPOSURE RATE		
	AZIMUTH/ (deg.)	DIST (mi.)	+ -	Rdm; Tot.	mR/Std. Qtr.	+ - Rdm; Tot.	
001	52	1.4	18.0	+- .5	2.7	NO NET DATA	
002	53	1	19.5	+- .6	2.9	NO NET DATA	
003	61	1.5	19.8	+- .6	3.0	NO NET DATA	
004	89	1.2	20.0	+- .6	3.0	NO NET DATA	
005	107	.9	19.7	+- .6	3.0	NO NET DATA	
006	90	.5	20.0	+- .6	3.0	NO NET DATA	
007	133	.8	19.1	+- .6	2.9	NO NET DATA	
008	158	.8	20.7	+- .6	3.1	NO NET DATA	
009	188	1.2	22.2	+- .7	3.3	NO NET DATA	
010	206	.9	20.7	+- .6	3.1	NO NET DATA	
011	170	1.1	MISSING OR DAMAGED DOSIMETER				
012	155	2.3	19.4	+- .6	2.9	NO NET DATA	
013	136	3.2	19.1	+- .6	2.9	NO NET DATA	
014	107	3.1	18.9	+- .6	2.8	NO NET DATA	
015	94	3.8	18.6	+- .6	2.8	NO NET DATA	
016	142	5.7	20.9	+- .6	3.1	NO NET DATA	
018	147	9.1	20.7	+- .6	3.1	NO NET DATA	
019	137	12.	20.1	+- .6	3.0	NO NET DATA	
020	129	12.	19.5	+- .6	2.9	NO NET DATA	
022	74	7.5	20.2	+- .6	3.0	NO NET DATA	
023	5	92	20.5	+- .6	3.1	NO NET DATA	
024	5	92	21.4	+- .6	3.2	NO NET DATA	
025	65	4.1	19.9	+- .6	3.0	NO NET DATA	
026	40	4	22.6	+- .7	3.4	NO NET DATA	
027	25	5.3	10.2	+- .3	1.5	NO NET DATA	
028	24	2.9	19.8	+- .6	3.0	NO NET DATA	
029	22	2.1	19.3	+- .6	2.9	NO NET DATA	
030	8	1.9	20.4	+- .6	3.1	NO NET DATA	
031	356	5	20.8	+- .6	3.1	NO NET DATA	
032	338	3.7	21.8	+- .7	3.3	NO NET DATA	
033	338	4.7	21.4	+- .6	3.2	NO NET DATA	
034	354	7	23.7	+- .7	3.6	NO NET DATA	
035	297	4.4	21.4	+- .6	3.2	NO NET DATA	
036	309	3.6	18.0	+- .5	2.7	NO NET DATA	
037	350	1.1	21.2	+- .6	3.2	NO NET DATA	
038	337	.9	21.7	+- .6	3.2	NO NET DATA	
039	315	1	19.8	+- .6	3.0	NO NET DATA	
040	294	1.1	20.6	+- .6	3.1	NO NET DATA	
041	274	1.1	22.6	+- .7	3.4	NO NET DATA	
042	248	1.5	23.2	+- .7	3.5	NO NET DATA	
044	5	92.	20.9	+- .6	3.1	NO NET DATA	
045	227	2.4	MISSING OR DAMAGED DOSIMETER				
046	209	3.2	20.0	+- .6	3.0	NO NET DATA	
047	218	5.3	19.4	+- .6	2.9	NO NET DATA	
048	201	4.6	20.3	+- .6	3.0	NO NET DATA	
049	187	5.2	19.2	+- .6	2.9	NO NET DATA	
050	171	7.1	19.1	+- .6	2.9	NO NET DATA	

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

INDIAN POINT
FOR THE PERIOD 850917-860122

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
348.75-11.25 (N)	19.8 \pm 1.2	5
11.25-33.75 (NNE)	15.1 \pm 5.0	3
33.75-56.25 (NE)	18.4 \pm 2.1	3
56.25-78.75 (ENE)	18.3 \pm .2	3
78.75-101.25 (E)	17.8 \pm .7	3
101.25-123.75 (ESE)	17.7 \pm .6	2
123.75-146.25 (SE)	18.1 \pm .7	5
146.25-168.75 (SSE)	18.6 \pm .7	3
168.75-191.25 (S)	18.5 \pm 1.6	3
191.25-213.75 (SSW)	18.6 \pm .3	3
213.75-236.25 (SW)	17.8 \pm 0.0	1
236.25-258.75 (WSW)	21.3 \pm 0.0	1
258.75-281.25 (W)	20.8 \pm 0.0	1
281.25-303.75 (WNW)	19.3 \pm .5	2
303.75-326.25 (NW)	17.3 \pm 1.1	2
326.25-348.75 (NNW)	19.8 \pm .2	3

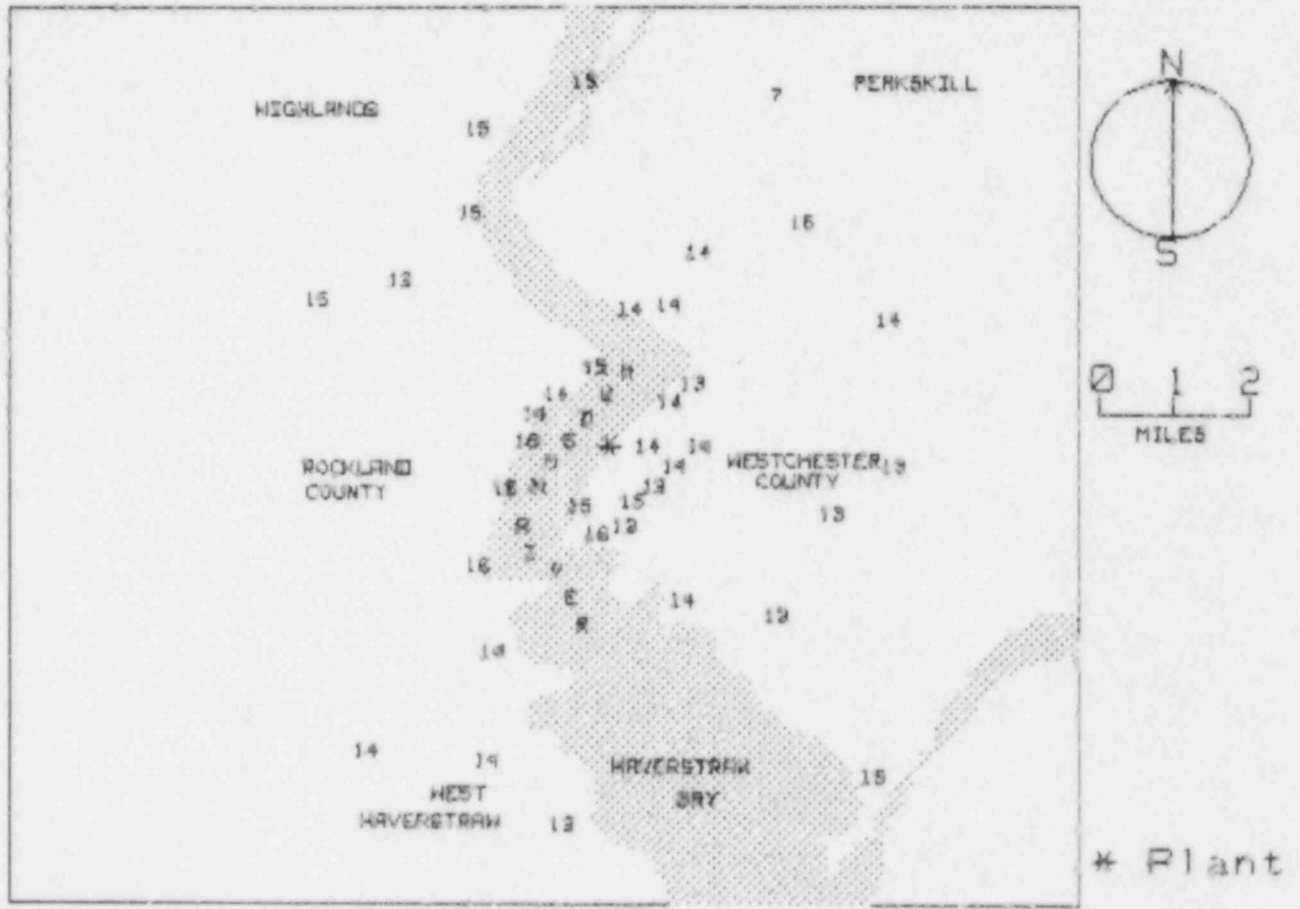
DISTANCE(mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
0-2	18.8 \pm 1.2	17
2-5	18.4 \pm 1.2	15
>5	17.8 \pm 3.1	11
UPWIND CONTROL DATA	19.2 \pm .8	2

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	12.0	137	PLEASANTVILLE
20	12.0	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.
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
50	7.1	171	RT. 9W

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



KEWAUNEE/PT. BEACH
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
 FOR THE PERIOD 850913-860122 132 DAYS
 FIELD TIME 104 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)		NET EXPOSURE RATE	
	AZIMUTH/ (deg.)	DIST (mi.)	+ - Rdm; Tot.		mR/Std. Qtr. + - Rdm; Tot.	
001	189	8.1	18.8 +- .6	2.8	11.7 +- .6	5.8
002	195	7.8	25.7 +- .8	3.9	17.7 +- .8	6.2
003	163	4.9	19.9 +- .6	3.0	12.6 +- .6	5.8
004	183	3.3	22.3 +- .7	3.3	14.7 +- .7	6.0
005	210	3.2	17.6 +- .5	2.6	10.6 +- .5	5.7
006	223	3.7	22.2 +- .7	3.3	14.6 +- .7	6.0
007	242	5.7	28.5 +- .6	3.1	23.2 +- .6	5.9
008	202	1.8	23.4 +- .7	3.5	15.6 +- .7	6.0
009	180	1.8	21.7 +- .6	2.2	14.2 +- .7	5.9
010	158	1.9	19.1 +- .6	2.9	12.0 +- .6	5.8
011	235	1.2	22.7 +- .7	3.4	15.0 +- .7	6.0
012	258	1.4	21.8 +- .7	3.3	14.0 +- .7	5.9
013	273	1.4	21.4 +- .6	2.2	14.0 +- .7	5.9
014	290	0.9	22.7 +- .7	3.4	15.0 +- .7	6.0
015	333	0.8	21.5 +- .6	3.2	14.0 +- .7	5.9
016	342	1.9	21.0 +- .6	3.1	13.6 +- .7	5.9
017	317	2.0	19.3 +- .6	2.9	12.1 +- .6	5.8
018	310	3.4	24.5 +- .7	3.7	16.6 +- .7	6.1
019	293	4.0	MISSING OR DAMAGED DOSIMETER			
020	273	4.0	19.0 +- .6	2.8	11.8 +- .6	5.8
021	300	5.6	20.7 +- .6	3.1	13.4 +- .6	5.9
022	316	5.9	MISSING OR DAMAGED DOSIMETER			
023	345	2.7	23.0 +- .7	3.5	15.3 +- .7	6.0
024	219	1.3	20.2 +- .6	3.0	12.9 +- .6	5.8
025	247	1.4	22.1 +- .7	3.3	14.6 +- .7	6.0
026	263	1.3	22.5 +- .7	3.4	14.9 +- .7	6.0
027	290	1.4	22.7 +- .7	3.4	15.1 +- .7	6.0
028	320	1.3	MISSING OR DAMAGED DOSIMETER			
029	342	1.1	21.3 +- .6	3.2	13.8 +- .7	5.9
030	329	0.6	22.8 +- .7	3.4	15.1 +- .7	6.0
031	13	1.0	18.8 +- .6	2.8	11.7 +- .6	5.8
032	353	2.1	22.5 +- .7	3.4	14.9 +- .7	6.0
033	301	3.9	22.3 +- .7	3.3	14.7 +- .7	6.0
034	299	8.4	21.6 +- .6	3.2	14.1 +- .7	5.9
035	323	3.8	19.4 +- .6	2.9	12.2 +- .6	5.8
036	336	3.3	MISSING OR DAMAGED DOSIMETER			
037	6	3.1	20.7 +- .6	3.1	13.3 +- .6	5.9
038	14	3.7	20.2 +- .6	3.0	12.9 +- .6	5.8
039	13	7.6	18.6 +- .6	2.8	11.5 +- .6	5.8
040	247	4.3	MISSING OR DAMAGED DOSIMETER			
041	8	23.	18.4 +- .6	2.8	11.4 +- .6	5.7
042	8	23.	19.6 +- .6	2.9	12.4 +- .6	5.8
043	8	23.	18.7 +- .6	2.8	11.6 +- .6	5.8
TRANSIT DOSE = 5.3 +- .4 ; 6.0						

KEWAUNEE/PT. BEACH
FOR THE PERIOD 850913-860122

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std. Dev.	# IN GROUP
348.75-11.25 (N)	14.1 \pm 1.1	2
11.25-33.75 (NNE)	12.1 \pm .8	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)	12.3 \pm .5	2
168.75-191.25 (S)	13.5 \pm 1.5	3
191.25-213.75 (SSW)	14.7 \pm 3.6	3
213.75-236.25 (SW)	14.2 \pm 1.1	3
236.25-258.75 (WSW)	14.0 \pm .7	3
258.75-281.25 (W)	13.6 \pm 1.6	3
281.25-303.75 (WNW)	14.5 \pm .7	5
303.75-326.25 (NW)	13.6 \pm 2.6	3
326.25-348.75 (NNW)	14.4 \pm .8	5

DISTANCE(mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std. Dev.	# IN GROUP
0-2	14.0 \pm 1.2	17
2-5	13.7 \pm 1.7	12
>5	13.6 \pm 2.2	6
UPWIND CONTROL DATA	11.8 \pm .5	3

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	333	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 F.D.
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 LAINE
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	3.6	323	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

MAP FOR KEWAUNEE/PT. BEACH

Map will be provided for this site in the future.

LACROSSE
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
 FOR THE PERIOD 850913-860122 132 DAYS
 FIELD TIME 98 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE(mR)		NET EXPOSURE RATE		
	AZIMUTH (deg.)	DIST (mi.)	+ Rdm	Tot.	mR/Std.Qtr. + Rdm	Tot.	
001	5	20.	19.6	+.6	13.8	+.6	
002	5	20.	19.4	+.6	13.6	+.6	
003	3	20.	20.0	+.6	14.1	+.6	
004	343	3.0	19.5	+.6	13.7	+.6	
005	313	3.0	21.5	+.6	15.6	+.6	
006	291	3.0	21.4	+.6	15.5	+.6	
007	261	4.0	MISSING OR DAMAGED DOSIMETER				
008	249	3.2	23.3	+.6	17.2	+.6	
009	214	5.0	23.1	+.6	17.0	+.6	
010	171	9.0	18.9	+.6	13.2	+.6	
011	176	5.1	19.2	+.6	13.4	+.6	
012	165	4.9	20.0	+.6	14.9	+.6	
013	138	6.5	22.4	+.6	16.3	+.6	
014	114	4.2	19.9	+.6	14.1	+.6	
015	97	3.9	19.6	+.6	13.8	+.6	
016	94	3.9	20.2	+.6	14.4	+.6	
017	105	2.9	21.4	+.6	15.5	+.6	
018	52	1.5	19.8	+.6	13.9	+.6	
019	16	1.5	19.8	+.6	13.9	+.6	
020	1	1.9	18.9	+.6	13.2	+.6	
021	250	6.5	22.1	+.6	15.7	+.6	
022	180	8.6	20.7	+.6	14.8	+.6	
023	134	1.7	20.0	+.6	14.5	+.6	
024	50	8.6	20.0	+.6	14.4	+.6	
025	59	3.1	20.2	+.6	14.6	+.6	
026	16	1.5	20.4	+.6	14.8	+.6	
027	226	5.1	19.5	+.6	13.7	+.6	
028	25	7.9	18.7	+.6	13.5	+.6	
029	4	4.0	21.6	+.6	15.8	+.6	
TRANSIT DOSE =	4.6	+.4	5.5				

LACROSSE
FOR THE PERIOD 850913-860122

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
348.75-11.25 (N)	14.9 \pm 1.6	3
11.25-33.75 (NNE)	13.8 \pm .6	4
33.75-56.25 (NE)	13.3 \pm 0.0	1
56.25-78.75 (ENE)	15.5 \pm .9	2
78.75-101.25 (E)	14.1 \pm .4	2
101.25-123.75 (ESE)	14.8 \pm 1.0	2
123.75-146.25 (SE)	16.1 \pm .4	2
146.25-168.75 (SSE)	14.9 \pm 0.0	1
168.75-191.25 (S)	13.8 \pm .9	3
191.25-213.75 (SSW)	NO DATA \pm NO DATA	0
213.75-236.25 (SW)	17.0 \pm 0.0	1
236.25-258.75 (WSW)	17.2 \pm 0.0	1
258.75-281.25 (W)	NO DATA \pm NO DATA	0
281.25-303.75 (WNW)	15.5 \pm 0.0	1
303.75-326.25 (NW)	15.6 \pm 0.0	1
326.25-348.75 (NNW)	13.7 \pm 0.0	1

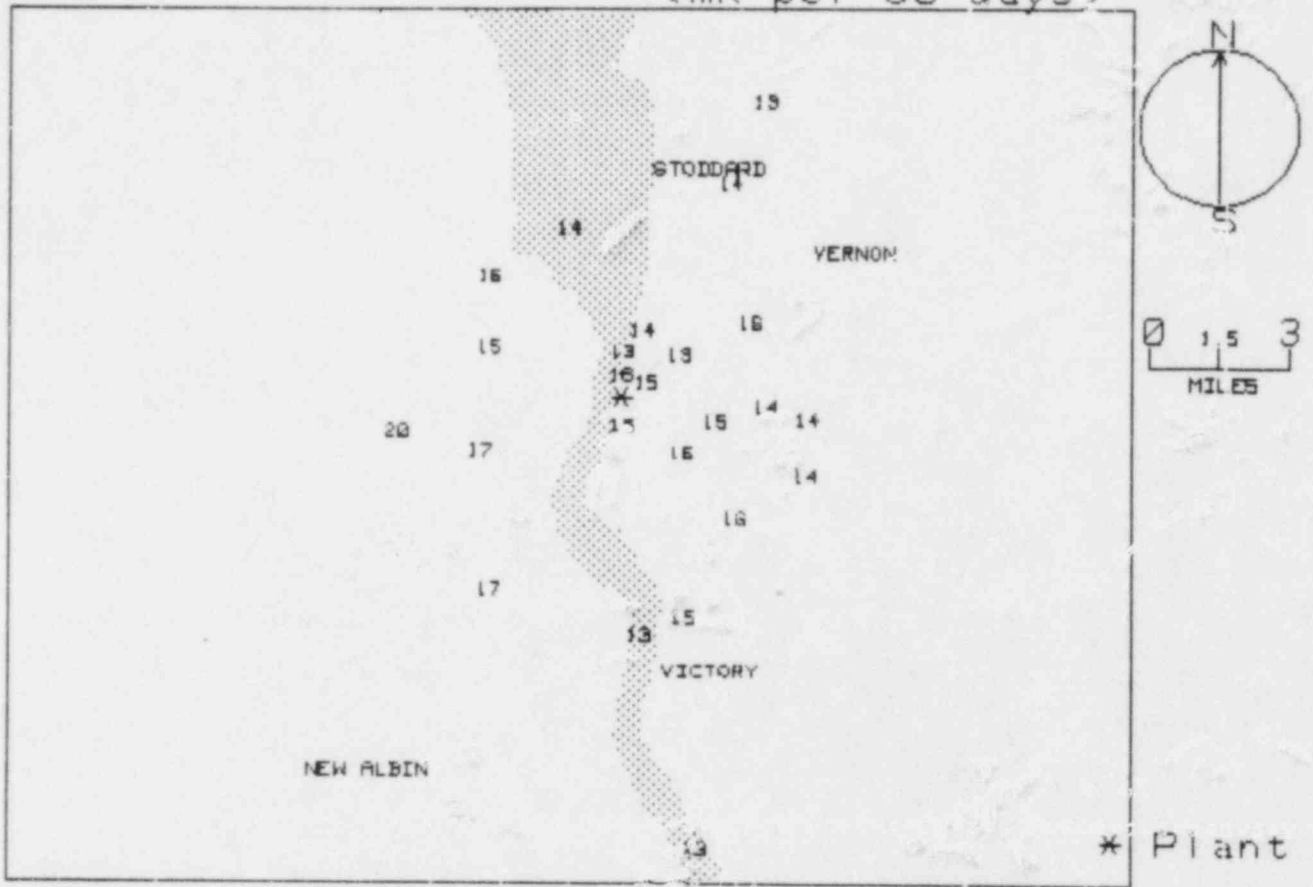
DISTANCE (mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
0-2	14.6 \pm 1.0	9
2-5	15.3 \pm 1.2	12
>5	13.3 \pm .3	4
UPWIND CONTROL DATA	13.8 \pm .3	3

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 (POLE #BC1B94)
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 R'DGE 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

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



LA SALLE
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
 FOR THE PERIOD 850912-860108 119 DAYS
 FIELD TIME 94 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE(mR)		NET EXPOSURE RATE	
	AZIMUTH/ (deg.)	DIST (mi.)	+ - Rdm; Tot.		mR/Std. Dtr. + - Rdm; Tot.	
001	302	10.	19.5 +- .6	2.9	16.5 +- .6	5.2
002	335	4.0	MISSING OR DAMAGED DOSIMETER			
003	343	5.0	18.4 +- .6	2.0	15.4 +- .6	5.1
004	38	5.5	23.6 +- .7	2.5	20.5 +- .7	5.6
005	39	4.3	16.4 +- .5	2.5	13.5 +- .6	5.0
006	27	3.0	19.9 +- .6	2.0	16.9 +- .6	5.2
007	355	4.1	21.8 +- .7	3.3	18.7 +- .7	5.4
008	304	4.6	24.8 +- .7	3.7	21.6 +- .8	5.7
009	292	3.9	20.2 +- .6	3.0	17.2 +- .6	5.3
010	276	3.7	22.6 +- .7	3.4	19.5 +- .7	5.5
011	248	4.0	20.5 +- .6	3.1	17.5 +- .7	5.3
012	222	12.	19.7 +- .6	3.0	16.7 +- .6	5.2
013	212	10.	20.3 +- .6	3.0	17.3 +- .6	5.3
014	212	10.	21.2 +- .6	3.2	18.1 +- .7	5.3
015	212	10.	20.9 +- .6	3.1	17.8 +- .7	5.3
016	215	4.4	22.0 +- .7	3.3	18.9 +- .7	5.4
017	204	4.0	21.8 +- .7	3.3	18.7 +- .7	5.4
018	173	4.6	21.5 +- .6	3.2	18.4 +- .7	5.4
019	174	6.4	19.7 +- .6	3.0	16.7 +- .6	5.2
020	158	4.9	20.8 +- .6	3.1	17.8 +- .7	5.3
021	125	4.2	22.0 +- .7	3.3	18.9 +- .7	5.4
022	114	3.0	21.7 +- .6	3.2	18.6 +- .7	5.4
023	97	4.5	20.0 +- .6	3.0	17.0 +- .6	5.3
024	72	4.7	22.0 +- .7	3.3	18.9 +- .7	5.4
025	41	2.0	22.1 +- .7	3.3	19.0 +- .7	5.4
026	13	1.6	MISSING OR DAMAGED DOSIMETER			
027	358	1.5	21.4 +- .6	3.2	18.3 +- .7	5.4
028	336	1.6	20.2 +- .6	3.0	17.2 +- .6	5.3
029	310	2.3	22.3 +- .7	3.3	19.2 +- .7	5.4
030	301	2.0	23.1 +- .7	3.5	20.0 +- .7	5.5
031	271	1.7	20.4 +- .6	3.1	17.4 +- .7	5.3
032	251	1.8	21.0 +- .6	3.2	18.0 +- .7	5.3
033	227	2.4	22.5 +- .7	3.4	19.4 +- .7	5.5
034	204	1.7	21.4 +- .6	3.2	18.3 +- .7	5.4
035	171	1.6	21.8 +- .7	3.3	18.7 +- .7	5.4
036	153	1.8	22.1 +- .7	3.3	19.0 +- .7	5.4
037	139	2.1	21.0 +- .6	3.1	17.9 +- .7	5.3
038	111	1.5	18.9 +- .6	2.8	15.9 +- .6	5.2
039	271	0.6	21.8 +- .7	3.3	18.7 +- .7	5.4
TRANSIT DOSE =			2.2 +- .3	4.6		

LA SALLE
FOR THE PERIOD 850912-860108

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
348.75-11.25 (N)	18.5 \pm .3	2
11.25-33.75 (NNE)	16.9 \pm 0.0	1
33.75-56.25 (NE)	17.7 \pm 3.7	3
56.25-78.75 (ENE)	18.9 \pm 0.0	1
78.75-101.25 (E)	17.0 \pm 0.0	1
101.25-123.75 (ESE)	17.3 \pm 1.9	2
123.75-146.25 (SE)	18.4 \pm .7	2
146.25-168.75 (SSE)	18.4 \pm .8	2
168.75-191.25 (S)	18.0 \pm 1.1	3
191.25-213.75 (SSW)	18.5 \pm .3	2
213.75-236.25 (SW)	18.4 \pm 1.4	3
236.25-258.75 (WSW)	17.7 \pm .4	2
258.75-281.25 (W)	18.5 \pm 1.1	3
281.25-303.75 (WNW)	17.9 \pm 1.8	3
303.75-326.25 (NW)	20.4 \pm 1.7	2
326.25-348.75 (NNW)	16.3 \pm 1.3	2

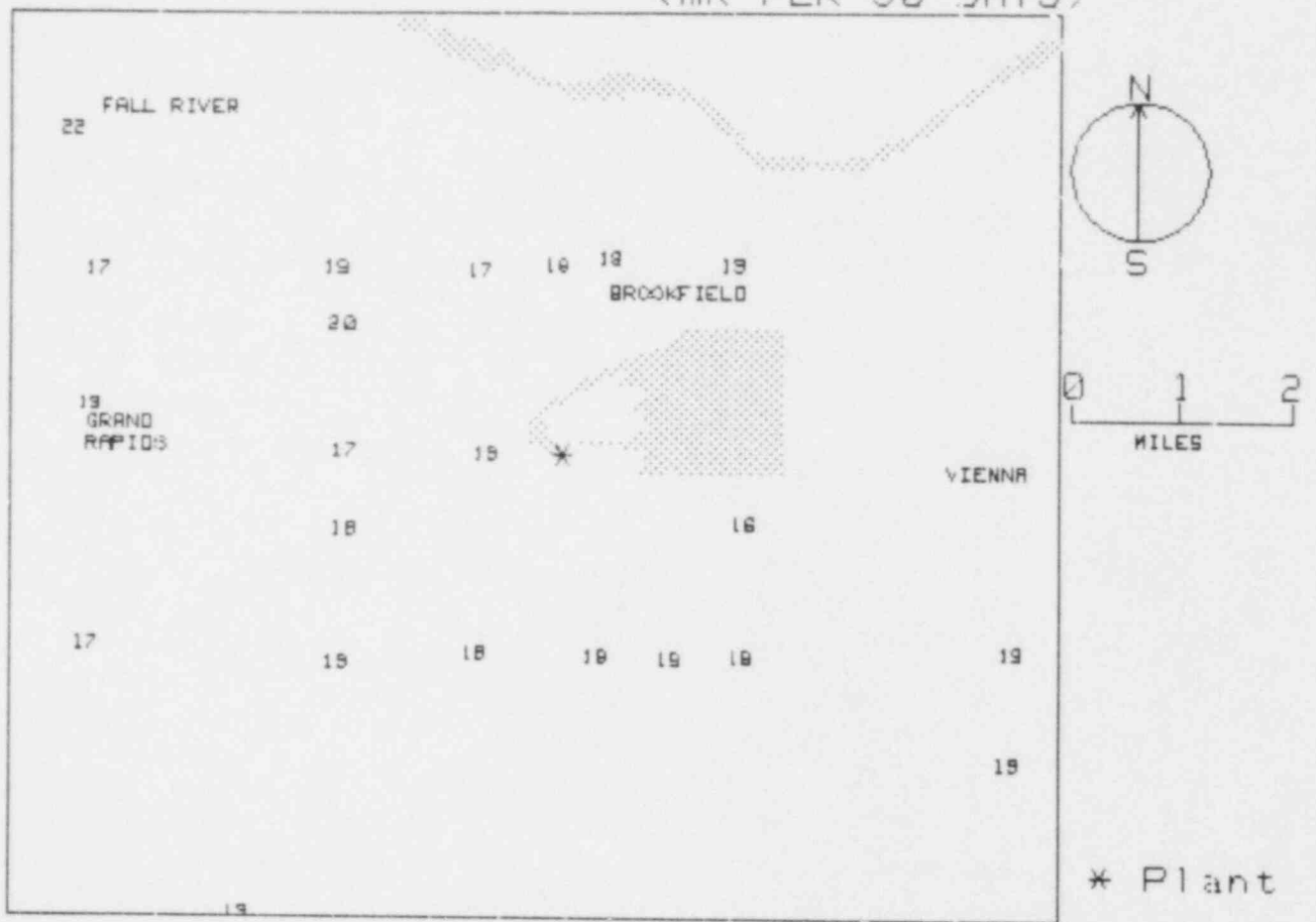
DISTANCE (mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
0-2	18.2 \pm 1.1	11
2-5	18.3 \pm 1.6	18
>5	17.2 \pm 1.9	5
UPWIND CONTROL DATA	17.8 \pm .4	3

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.

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



LIMERICK
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
 FOR THE PERIOD 850917-860114 120 DAYS
 FIELD TIME 97 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE(mR)		NET EXPOSURE RATE		
	AZIMUTH/DIST (deg.)	(mi.)	+ Rdm; Tot.	±	mR/Std. Dtr. + Rdm; Tot.	±	
001	12	9.	25.4	±.8	22.0	±.8	
003	88	3.7	22.3	±.7	19.5	±.7	
004	52	3.2	23.7	±.7	20.0	±.7	
005	23	3.5	24.2	±.7	21.2	±.7	
006	8	4.6	23.8	±.7	20.0	±.7	
007	346	7.1	23.2	±.7	20.0	±.7	
008	330	3.6	23.1	±.7	20.0	±.7	
009	313	3.3	22.4	±.7	19.5	±.7	
010	291	4.8	23.6	±.7	20.0	±.7	
011	303	2.9	27.0	±.8	23.0	±.8	
012	314	1.6	21.2	±.6	18.5	±.6	
013	352	1.7	24.8	±.7	21.0	±.7	
014	339	1.3	20.2	±.6	17.5	±.6	
015	47	1.8	23.8	±.7	20.0	±.7	
016	71	2.7	23.7	±.7	20.0	±.7	
017	17	.4	21.9	±.7	19.1	±.7	
018	286	.5	22.1	±.7	19.0	±.7	
019	276	.6	22.0	±.7	19.0	±.7	
020	245	.9	21.4	±.6	18.7	±.6	
021	224	1	22.2	±.7	19.4	±.7	
022	202	1.2	22.3	±.7	19.5	±.7	
023	172	1.6	20.1	±.6	17.4	±.6	
024	150	1.7	MISSING OR DAMAGED DOSIMETER				
025	132	1.2	23.4	±.7	20.5	±.7	
026	120	1.2	24.2	±.7	21.2	±.7	
027	160	1	22.3	±.7	19.5	±.7	
028	91	1	22.0	±.7	19.2	±.7	
029	67	.7	22.2	±.7	19.4	±.7	
030	146	3.4	26.5	±.8	23.4	±.8	
031	158	2.8	23.9	±.7	20.9	±.7	
032	152	7.4	22.0	±.7	19.0	±.7	
033	184	4.3	19.9	±.6	17.0	±.6	
034	201	3.9	21.4	±.6	18.7	±.6	
035	225	5.1	22.1	±.7	19.0	±.7	
036	245	4.2	22.0	±.7	19.0	±.7	
037	266	3.9	18.9	±.6	16.0	±.6	
038	290	15	23.5	±.7	20.0	±.7	
039	290	15	23.6	±.7	20.0	±.7	
040	290	15	25.9	±.8	22.0	±.8	
041	128	3	19.3	±.6	16.0	±.6	
042	111	4.4	20.6	±.6	17.9	±.6	
TRANSIT DOSE =			1.3	±.3	4.4	±.6	

LINERICK
FOR THE PERIOD 850917-860114

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
348.75-11.25 (N)	21.3 \pm .7	2
11.25-33.75 (NNE)	20.8 \pm 1.6	3
33.75-56.25 (NE)	20.8 \pm .1	2
56.25-78.75 (ENE)	20.1 \pm 1.0	2
78.75-101.25 (E)	19.3 \pm .2	2
101.25-123.75 (ESE)	19.5 \pm 2.4	2
123.75-146.25 (SE)	20.2 \pm 3.3	3
146.25-168.75 (SSE)	19.9 \pm .9	3
168.75-191.25 (S)	17.3 \pm .1	2
191.25-213.75 (SSW)	19.1 \pm .6	2
213.75-236.25 (SW)	19.4 \pm .1	2
236.25-258.75 (WSW)	18.9 \pm .4	2
258.75-281.25 (W)	17.8 \pm 2.1	2
281.25-303.75 (WNW)	21.3 \pm 2.3	3
303.75-326.25 (NW)	19.0 \pm .8	2
326.25-348.75 (NNW)	19.3 \pm 1.6	3

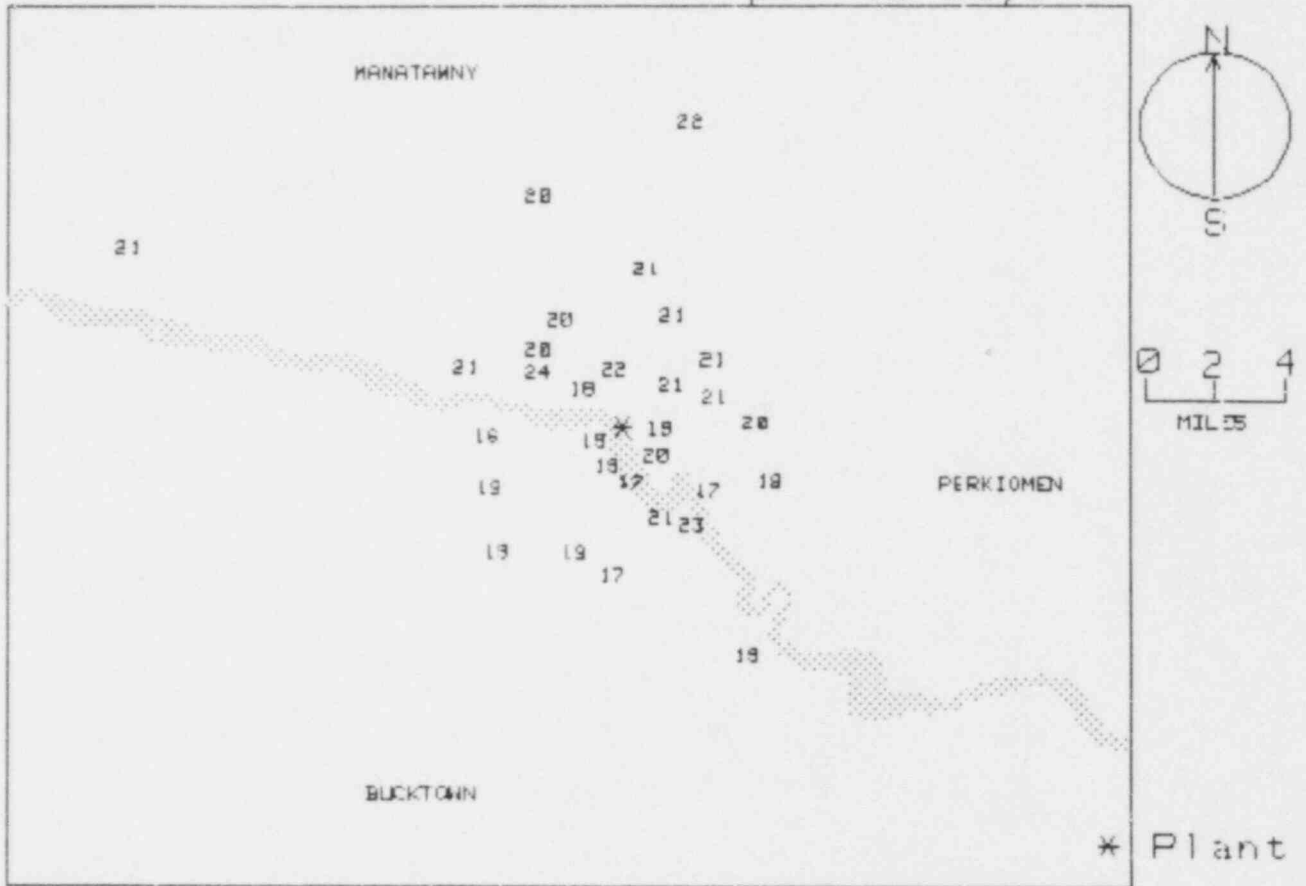
DISTANCE(mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
0-2	19.4 \pm 1.2	16
2-5	19.9 \pm 2.1	17
>5	20.3 \pm 1.5	4
UPWIND CONTROL DATA	21.4 \pm 1.3	3

LIMERICK

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING LOCATIONS

STATION	DIST(mi.)	DIR	DESCRIPTION
1	9.0	12	THOMPSON RESIDENCE
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	PENNHURST 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

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



MAINE YANKEE
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
 FOR THE PERIOD 850925-860110 108 DAYS
 FIELD TIME 100 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE(mR)			NET EXPOSURE RATE		
	AZIMUTH/ (deg.)	DIST (mi.)	+ -	Rdm;	Tot.	mR/Std. Qtr.	+ -	Rdm; Tot.
001	340	1.	22.1	+-	.7	18.3	+-	.7
002	6	1.4	21.0	+-	.6	17.2	+-	.6
003	23	1.5	21.2	+-	.6	17.4	+-	.6
004	44	1.8	21.4	+-	.6	17.6	+-	.6
005	116	.5	21.1	+-	.6	17.3	+-	.6
006	168	1	21.4	+-	.6	17.6	+-	.6
007	185	1.6	20.2	+-	.6	16.5	+-	.6
008	195	2.3	20.8	+-	.6	17.1	+-	.6
009	209	3.8	19.7	+-	.6	16.1	+-	.6
010	310	1.7	20.3	+-	.6	16.6	+-	.6
011	290	1.8	24.9	+-	.7	20.0	+-	.7
012	275	1.7	22.1	+-	.7	18.3	+-	.7
013	256	1.9	20.9	+-	.6	17.2	+-	.6
014	232	2.5	23.1	+-	.7	19.1	+-	.7
015	227	5.3	22.3	+-	.7	18.4	+-	.7
016	246	4.4	24.0	+-	.7	19.0	+-	.7
017	250	6.6	28.1	+-	.8	23.7	+-	.8
018	268	4.7	22.7	+-	.7	18.0	+-	.7
019	283	4.4	22.2	+-	.7	18.3	+-	.7
020	305	4.7	20.7	+-	.6	17.0	+-	.6
021	300	2.9	21.9	+-	.7	18.1	+-	.6
022	332	2.7	23.1	+-	.7	19.1	+-	.7
023	20	3.9	22.5	+-	.7	18.6	+-	.7
024	23	3	23.8	+-	.7	19.0	+-	.7
025	42	4.7	22.4	+-	.7	18.5	+-	.7
026	60	15	21.6	+-	.6	17.0	+-	.6
027	62	16	20.3	+-	.6	16.7	+-	.6
028	63	16	20.5	+-	.6	16.0	+-	.6
029	64	2.1	25.3	+-	.8	21.2	+-	.7
030	84	1.5	22.6	+-	.7	18.7	+-	.7
031	115	1.6	21.1	+-	.6	17.4	+-	.6
032	135	2	MISSING OR DAMAGED DOSIMETER					
033	66	3.5	21.6	+-	.6	17.0	+-	.6
034	97	4.9	22.1	+-	.7	18.3	+-	.7
035	123	4.8	23.0	+-	.7	19.0	+-	.7
036	140	4.9	22.3	+-	.7	18.4	+-	.7
037	151	6	22.6	+-	.7	18.7	+-	.7
038	152	4.2	22.6	+-	.7	18.7	+-	.7
039	172	4.9	21.6	+-	.6	17.0	+-	.6
040	156	7.4	21.6	+-	.6	17.8	+-	.6
TRANSIT DOSE =			1.8	+-	.3 ; 4.7			

MAINE YANKEE
FOR THE PERIOD 850925-860110

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
348.75-11.25 (N)	17.2 \pm 0.0	1
11.25-33.75 (NNE)	18.6 \pm 1.2	3
33.75-56.25 (NE)	18.1 \pm .6	2
56.25-78.75 (ENE)	19.5 \pm 2.4	2
78.75-101.25 (E)	18.5 \pm .3	2
101.25-123.75 (ESE)	17.9 \pm 1.0	3
123.75-146.25 (SE)	18.4 \pm 0.0	1
146.25-168.75 (SSE)	18.2 \pm .6	4
168.75-191.25 (S)	17.2 \pm .9	2
191.25-213.75 (SSW)	16.6 \pm .7	2
213.75-236.25 (SW)	18.8 \pm .5	2
236.25-258.75 (WSW)	20.3 \pm 3.3	3
258.75-281.25 (W)	18.6 \pm .4	2
281.25-303.75 (WNW)	19.0 \pm 1.5	3
303.75-326.25 (NW)	16.8 \pm .3	2
326.25-348.75 (NNW)	18.7 \pm .6	2

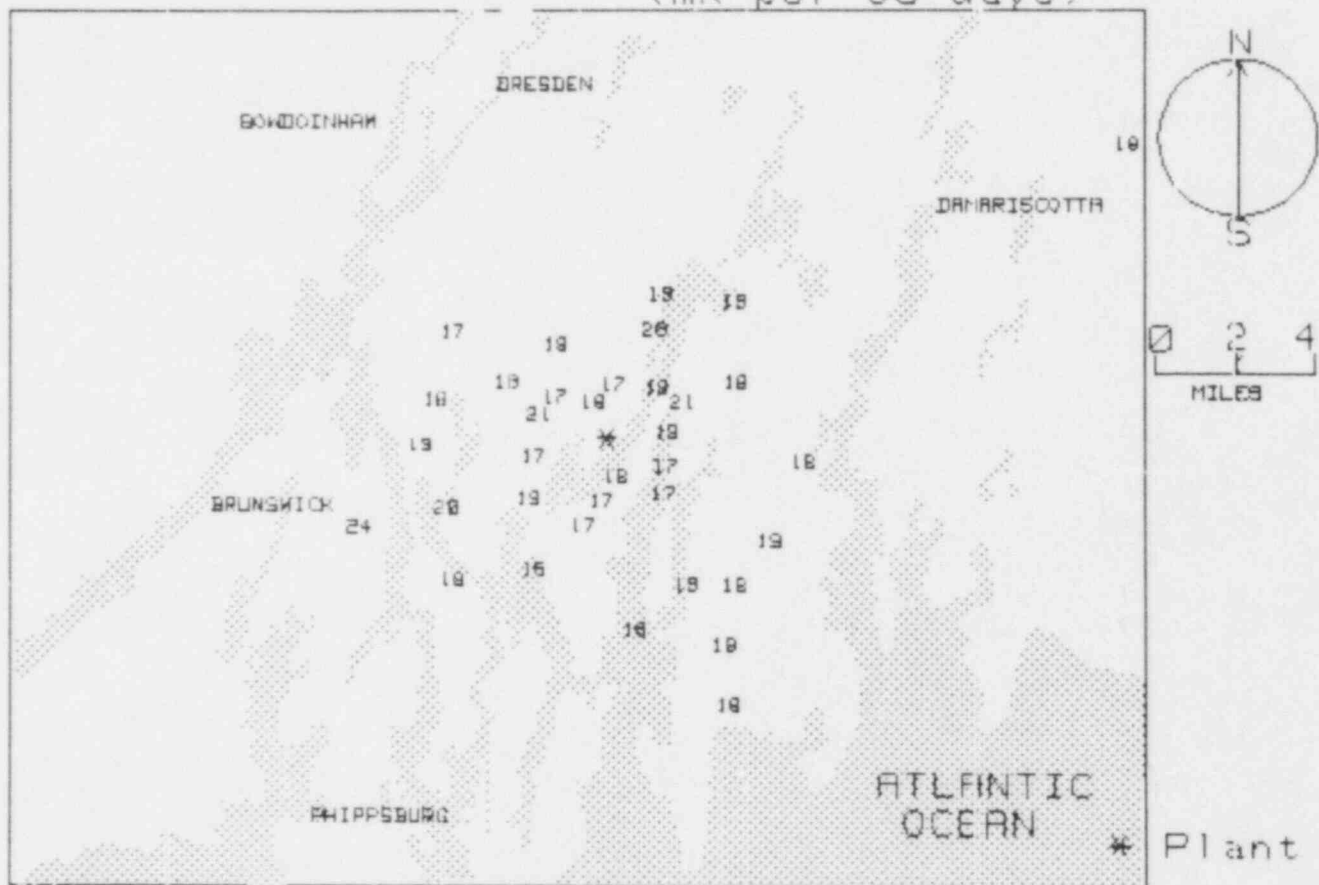
DISTANCE(mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
0-2	17.8 \pm 1.1	13
2-5	18.5 \pm 1.1	19
>5	19.7 \pm 2.7	4
UPWIND CONTROL DATA	17.1 \pm .6	3

MAINE YANKEE

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING LOCATIONS

STATION	DIST(mi.)	DIR	DESCRIPTION
1	1.0	340	ACCESS RD. & RT. 144
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

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



MCGUIRE
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
 FOR THE PERIOD 850916-860114 121 DAYS
 FIELD TIME 85 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE(mR)		NET EXPOSURE RATE	
	AZIMUTH/ (deg.)	DIST (mi.)	+ - Rdm; Tot.		mR/Std. Qtr. + - Rdm; Tot.	
001	97	0.5	20.1 +- .6	3.0	16.6 +- .7	6.1
002	323	1.6	20.5 +- .6	3.1	17.1 +- .7	6.2
003	336	1.7	22.5 +- .7	3.4	19.2 +- .8	6.3
004	303	2.9	MISSING OR DAMAGED DOSIMETER			
005	321	3.9	MISSING OR DAMAGED DOSIMETER			
006	334	3.7	19.9 +- .6	3.0	16.4 +- .7	6.1
007	352	3.5	19.5 +- .6	2.9	16.1 +- .7	6.1
008	287	2.0	MISSING OR DAMAGED DOSIMETER			
009	273	1.9	20.2 +- .6	3.0	16.7 +- .7	6.1
010	244	1.7	19.7 +- .6	2.9	16.2 +- .7	6.1
011	225	2.1	18.9 +- .6	2.8	15.4 +- .7	6.0
012	212	3.6	21.5 +- .6	3.2	18.2 +- .8	6.2
013	232	4.4	26.5 +- .8	4.0	23.4 +- .9	6.7
014	253	3.7	22.7 +- .7	3.4	19.4 +- .8	6.3
015	261	4.2	19.4 +- .6	2.9	15.9 +- .7	6.1
016	288	4.3	MISSING OR DAMAGED DOSIMETER			
017	288	17'	27.4 +- .8	4.1	24.4 +- .9	6.8
018	287	2.0	26.1 +- .8	3.9	23.0 +- .9	6.7
019	286	17'	25.6 +- .8	3.8	22.5 +- .9	6.6
020	233	18.	26.3 +- .8	3.9	23.2 +- .9	6.7
021	204	10.	20.5 +- .6	3.1	17.1 +- .7	6.2
022	239	9.5	22.0 +- .7	3.3	18.7 +- .8	6.3
023	115	4.9	17.1 +- .5	2.6	13.5 +- .7	5.9
024	132	4.9	17.8 +- .5	2.7	14.3 +- .7	5.9
025	156	4.0	16.5 +- .5	2.5	12.8 +- .6	5.8
026	175	3.7	18.2 +- .5	2.7	14.7 +- .7	6.0
027	198	4.3	MISSING OR DAMAGED DOSIMETER			
028	169	13'	19.6 +- .6	2.9	16.2 +- .7	6.1
029	155	13.	18.4 +- .6	2.8	14.8 +- .7	6.0
030	146	14.	18.5 +- .6	2.8	15.0 +- .7	6.0
031	143	1.9	18.8 +- .6	2.8	15.3 +- .7	6.0
032	155	1.3	19.7 +- .6	2.9	16.2 +- .7	6.1
033	178	1.6	19.2 +- .6	2.9	15.7 +- .7	6.0
034	108	2.0	18.3 +- .5	2.7	14.7 +- .7	6.0
035	93	2.2	18.4 +- .6	2.8	14.9 +- .7	6.0
036	68	2.5	19.6 +- .6	2.9	16.2 +- .7	6.1
037	82	4.7	19.1 +- .6	2.9	15.6 +- .7	6.0
038	64	4.9	MISSING OR DAMAGED DOSIMETER			
039	42	5.0	22.3 +- .7	3.3	19.0 +- .8	6.3
040	26	4.3	20.1 +- .6	3.0	16.6 +- .7	6.1
041	42	2.0	18.0 +- .5	2.7	14.4 +- .7	6.0
042	21	1.6	20.5 +- .6	3.1	17.1 +- .7	6.2
043	8	2.6	23.1 +- .7	3.5	19.8 +- .8	6.4
044	37/	13.	26.7 +- .8	4.0	23.6 +- .9	6.7
045	78/	19'	MISSING OR DAMAGED DOSIMETER			
046	94/	19'	MISSING OR DAMAGED DOSIMETER			
TRANSIT DOSE = 4.3 +- .3 ; 4.9						

MCGUIRE
FOR THE PERIOD 850916-860114

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
348.75-11.25 (N)	17.8 \pm 2.7	2
11.25-33.75 (NNE)	16.9 \pm .3	2
33.75-56.25 (NE)	10.0 \pm 4.6	3
56.25-78.75 (ENE)	16.2 \pm 0.0	1
78.75-101.25 (E)	15.7 \pm .9	3
101.25-123.75 (ESE)	14.1 \pm .9	2
123.75-146.25 (SE)	14.9 \pm .5	3
146.25-168.75 (SSE)	14.6 \pm 1.7	3
168.75-191.25 (S)	15.5 \pm .8	3
191.25-213.75 (SSW)	17.6 \pm .8	2
213.75-236.25 (SW)	20.7 \pm 4.6	3
236.25-258.75 (WSW)	18.1 \pm 1.7	3
258.75-281.25 (W)	16.3 \pm .6	2
281.25-303.75 (WNW)	NO DATA \pm NO DATA	0
303.75-326.25 (NW)	17.1 \pm 0.0	1
326.25-348.75 (NNW)	17.8 \pm 2.0	2

DISTANCE (mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
0-2	16.3 \pm 1.3	11
2-5	16.6 \pm 2.7	17
>5	18.4 \pm 3.7	7
UPWIND CONTROL DATA	23.3 \pm 1.0	3

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	MILLER-GATES FRAME SHOP
6	3.7	334	OLD EBENEZER CH.
7	3.5	352	HOLIDAY LAND FAMILY CAMPING RESORT
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	17.0	288	RT. 321 & RT. 1281
18	2.0	287	RT. 73 (0.1 MILES E.)
19	17.0	286	McKENDREE CH.
20	18.0	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	13.0	169	BROWNS AVE. (CHARLOTTE)
29	13.0	155	BEATTIES FORD RD. (CHARLOTTE)
30	14.0	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	19.0	78	N. KANNAPOLIS METHODIST CH.
46	19.0	94	CONCORD

MAP FOR MCGUIRE

Map will be provided for this site in the future.

MILLSTONE
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
 FOR THE PERIOD 850918-860109 114 DAYS
 FIELD TIME 94 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE(mR)		NET EXPOSURE RATE		
	AZIMUTH (deg.)	DIST (mi.)	+ Rdm; Tot.		mR/Std. Qtr. + Rdm; Tot.		
001	0	1	22.2	+- .7	19.9	+- .7	5.2
002	24	1.3	17.3	+- .5	15.2	+- .5	4.8
003	47	1.5	21.0	+- .6	18.8	+- .6	5.1
004	60	1.7	18.8	+- .5	16.6	+- .5	4.9
005	85	1.3	21.5	+- .6	19.2	+- .6	5.2
006	110	1.0	20.0	+- .5	17.8	+- .5	5.0
007	67	1.0	21.7	+- .6	19.4	+- .6	5.2
008	49	1.0	22.3	+- .7	20.0	+- .7	5.2
009	84	1.0	19.4	+- .5	17.2	+- .5	5.0
011	232	1.0	19.5	+- .5	17.3	+- .5	5.0
012	256	1.4	22.3	+- .7	20.0	+- .7	5.2
013	274	1.0	21.2	+- .6	19.0	+- .6	5.1
014	295	1.1	23.7	+- .8	21.3	+- .8	5.4
015	315	1.1	16.8	+- .5	14.7	+- .5	4.8
016	339	1.1	21.0	+- .6	19.5	+- .6	5.2
017	353	1.0	20.4	+- .5	18.1	+- .5	5.1
018	34	1.0	21.2	+- .6	18.9	+- .6	5.1
019	33	1.0	21.2	+- .6	19.0	+- .6	5.1
020	82	1.4	19.2	+- .5	17.0	+- .5	5.0
022	59	1.7	21.9	+- .7	19.6	+- .7	5.2
028	257	1.8	22.0	+- .7	19.7	+- .7	5.2
029	272	1.7	22.9	+- .8	20.5	+- .8	5.3
030	295	1.5	23.0	+- .8	20.6	+- .8	5.3
031	317	1.3	20.3	+- .6	18.0	+- .6	5.1
032	327	1.3	22.0	+- .7	19.7	+- .7	5.2
033	41	1.7	21.4	+- .7	19.1	+- .7	5.2
034	54	1.5	22.5	+- .8	20.1	+- .8	5.3
037	354	1.0	20.5	+- .6	18.3	+- .6	5.1
039	1	1.7	19.7	+- .6	17.5	+- .6	5.0
040	278	1.7	18.9	+- .5	16.8	+- .5	5.0
041	34	1.1	25.7	+- .9	23.3	+- .9	5.6
042	84	1.0	20.5	+- .6	18.2	+- .6	5.1
046	41	1.6	21.3	+- .7	19.0	+- .7	5.2
048	4	1.0	25.4	+- .9	22.9	+- .9	5.5
049	4	1.0	26.1	+- .9	23.6	+- .9	5.6
TRANSIT DOSE = 1.4			+- .3	; 4.3			

MILLSTONE
FOR THE PERIOD 850918-860109

R-147

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
348.75-11.25 (N)	18.3 \pm 1.0	4
11.25-33.75 (NNE)	17.7 \pm 2.2	3
33.75-56.25 (NE)	20.1 \pm 1.7	6
56.25-78.75 (ENE)	18.5 \pm 1.7	3
78.75-101.25 (E)	17.9 \pm 1.0	4
101.25-123.75 (ESE)	17.8 \pm 0.0	1
123.75-146.25 (SE)	NO DATA+-NO DATA	0
146.25-168.75 (SSE)	NO DATA+-NO DATA	0
168.75-191.25 (S)	NO DATA+-NO DATA	0
191.25-213.75 (SSW)	NO DATA+-NO DATA	0
213.75-236.25 (SW)	17.3 \pm 0.0	1
236.25-258.75 (WSW)	19.9 \pm .2	2
258.75-281.25 (W)	18.7 \pm 1.9	3
281.25-303.75 (WNW)	21.0 \pm .5	2
303.75-326.25 (NW)	16.4 \pm 2.4	2
326.25-348.75 (NNW)	19.6 \pm .2	2

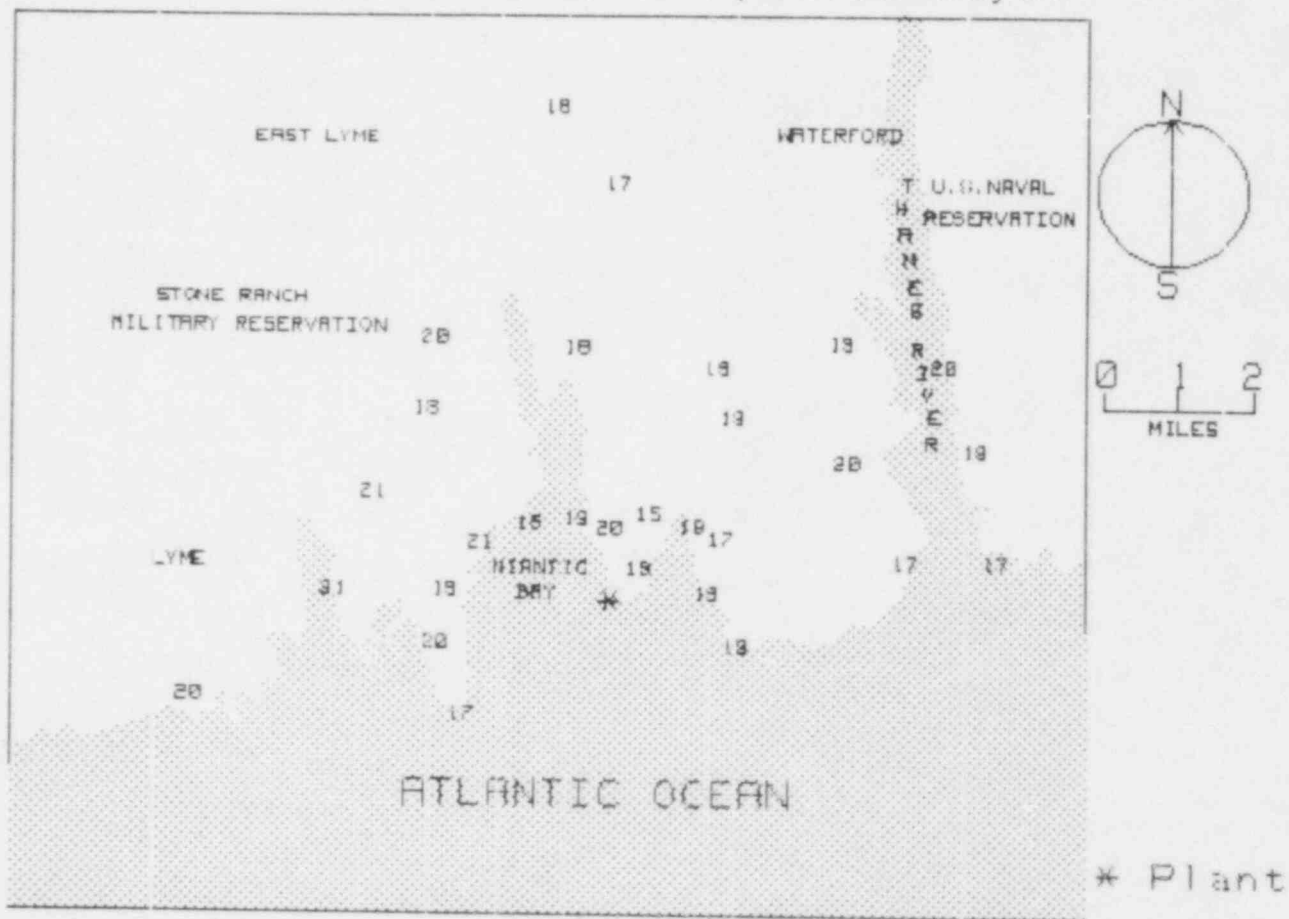
DISTANCE(mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
0-2	18.2 \pm 2.1	10
2-5	19.0 \pm 1.1	13
>5	19.0 \pm 1.9	10
UPWIND CONTROL DATA	23.3 \pm .5	2

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	1.3	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

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



MONTICELLO
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
 FOR THE PERIOD 850913-850113 123 DAYS
 FIELD TIME 99 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)			NET EXPOSURE RATE			
	AZIMUTH (deg.)	DIST (mi.)	+ Rdm	Tot.		mR/Std. Qtr.	+ Rdm	Tot.	
001	133	3.6	20.6	+- .6	0.1	16.0	+- .6	5.0	
002	163	4.6	21.1	+- .6	0.2	16.0	+- .6	5.0	
003	183	4.1	21.4	+- .6	0.2	17.1	+- .7	5.4	
004	206	4.3	20.9	+- .6	0.1	16.0	+- .6	5.0	
005	230	4.2	22.6	+- .7	0.4	18.2	+- .7	5.4	
006	253	4.6	21.1	+- .6	0.2	16.7	+- .6	5.0	
007	269	4.4	19.8	+- .6	0.0	15.6	+- .6	5.0	
008	286	4.9	21.4	+- .6	0.2	17.0	+- .7	5.4	
009	274	1.9	20.0	+- .6	0.0	15.7	+- .6	5.0	
010	244	1.3	MISSING OR DAMAGED DOSIMETER						
011	226	0.9	19.8	+- .6	0.0	15.6	+- .6	5.0	
012	181	1.0	19.8	+- .6	0.0	15.6	+- .6	5.0	
013	137	1.7	20.1	+- .6	0.0	15.9	+- .6	5.0	
014	155	1.0	20.5	+- .6	0.1	16.3	+- .6	5.0	
015	200	0.6	19.8	+- .6	0.0	15.6	+- .6	5.0	
016	204	2.0	19.8	+- .6	0.0	15.6	+- .6	5.0	
017	113	1.6	21.5	+- .6	0.2	17.1	+- .7	4.4	
018	65	1.1	22.2	+- .7	0.3	17.7	+- .7	4.4	
019	63	1.2	20.9	+- .6	0.1	16.6	+- .6	5.0	
020	97	1.7	19.9	+- .6	0.0	15.7	+- .6	5.0	
021	23	0.0	19.2	+- .6	0.0	15.1	+- .6	5.0	
022	354	0.7	19.2	+- .6	0.0	15.2	+- .6	5.0	
023	300	0.0	20.1	+- .6	0.0	15.0	+- .6	5.0	
024	307	1.0	20.0	+- .6	0.0	15.7	+- .6	5.0	
025	339	4.1	19.8	+- .6	0.0	15.6	+- .6	5.0	
026	320	4.6	19.9	+- .6	0.0	15.7	+- .6	5.0	
027	354	4.5	20.6	+- .6	0.1	16.0	+- .6	5.0	
028	17	3.7	18.4	+- .6	0.0	14.6	+- .6	5.0	
029	50	4.0	19.7	+- .6	0.0	15.5	+- .6	5.0	
030	77	3.6	20.0	+- .6	0.0	16.0	+- .6	5.0	
031	115	3.0	19.8	+- .6	0.0	15.6	+- .6	5.0	
032	90	4.6	19.5	+- .6	0.0	15.3	+- .6	5.0	
033	323	16'	20.7	+- .6	0.1	16.4	+- .6	5.0	
034	323	16'	19.8	+- .6	0.0	15.6	+- .6	5.0	
035	323	16'	20.7	+- .6	0.1	16.4	+- .6	5.0	
TRANSIT DOSE = 2.6 +- .3			; 4.9						

MONTICELLO
FOR THE PERIOD 850913-860113

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
348.75-11.25 (N)	15.7 \pm .8	2
11.25-33.75 (NNE)	14.7 \pm .5	2
33.75-56.25 (NE)	15.8 \pm .2	2
56.25-78.75 (ENE)	16.3 \pm .4	2
78.75-101.25 (E)	16.5 \pm 1.7	2
101.25-123.75 (ESE)	16.4 \pm 1.1	2
123.75-146.25 (SE)	16.1 \pm .3	2
146.25-168.75 (SSE)	16.5 \pm .4	2
168.75-191.25 (S)	16.3 \pm 1.0	2
191.25-213.75 (SSW)	16.1 \pm .7	2
213.75-236.25 (SW)	16.9 \pm 1.8	2
236.25-258.75 (WSW)	16.7 \pm 0.0	1
258.75-281.25 (W)	15.7 \pm .1	2
281.25-303.75 (WNW)	16.3 \pm 1.0	2
303.75-326.25 (NW)	15.7 \pm .1	2
326.25-348.75 (NNW)	15.7 \pm .2	2

DISTANCE (mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
0-2	15.9 \pm .7	15
2-5	16.2 \pm .9	16
>5	NO DATA \pm NO DATA	0
UPWIND CONTROL DATA	16.1 \pm .5	3

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 AND CAHILL FIVE.
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. BERGGUIST 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	.6	208	120TH STREET,N.E. & 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	16.0	323	COUNTY RD. 3
34	16.0	323	COUNTY RD. 3
35	16.0	323	COUNTY RD. 3

MAP FOR MONTICELLO

Map will be provided for this site in the future.

NORTH ANNA
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
 FOR THE PERIOD 850917-860123 129 DAYS
 FIELD TIME 92 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE(mR)			NET EXPOSURE RATE			
	AZIMUTH (deg.)	DIST (mi.)	+ -	Rdm;	Tot.	mR/Std. Qtr.	+ -	Rdm;	Tot.
001	243	1.0	23.3	+-	.7	20.2	+-	.7	5.7
002	263	1.6	22.0	+-	.7	19.0	+-	.7	5.5
003	296	1	22.1	+-	.7	19.1	+-	.7	5.5
004	011	1.3	26.0	+-	.8	22.9	+-	.9	5.9
005	029	1.0	22.6	+-	.7	19.6	+-	.7	5.5
006	231	3.9	24.0	+-	.7	20.9	+-	.4	5.7
007	224	1.7	22.0	+-	.7	19.7	+-	.4	5.5
008	210	1.6	21.9	+-	.7	18.8	+-	.3	5.5
009	181	1.4	18.6	+-	.6	15.0	+-	.6	5.3
010	155	1.7	28.1	+-	.8	24.9	+-	.9	5.9
011	136	1.6	21.0	+-	.6	18.3	+-	.5	5.1
012	163	3.5	21.6	+-	.6	18.5	+-	.5	5.5
013	190	3.0	21.0	+-	.6	18.0	+-	.5	5.5
014	205	4.9	19.5	+-	.5	16.5	+-	.4	5.4
015	140	4.2	23.6	+-	.7	20.5	+-	.7	5.7
016	113	4.9	26.4	+-	.8	23.0	+-	.8	5.8
017	93	3.0	19.1	+-	.6	16.1	+-	.5	5.5
018	64	4.1	22.0	+-	.7	19.7	+-	.7	5.7
019	78	2.7	31.2	+-	.9	27.9	+-	.9	6.4
020	97	1.9	23.6	+-	.7	20.9	+-	.7	5.7
021	105	1.7	20.3	+-	.6	17.3	+-	.5	5.4
022	60	2.4	20.1	+-	.6	17.1	+-	.5	5.4
023	37	1.4	22.5	+-	.7	19.5	+-	.7	5.7
024	16	1.6	27.1	+-	.8	23.9	+-	.9	6.4
025	48	3.5	19.5	+-	.6	16.5	+-	.5	5.4
026	17	3.7	22.5	+-	.7	19.4	+-	.7	5.7
027	3	4.0	19.9	+-	.6	16.9	+-	.5	5.4
028	348	4	19.5	+-	.6	16.5	+-	.5	5.4
029	2	1.9	20.1	+-	.6	17.1	+-	.5	5.4
030	284	5	20.9	+-	.6	17.9	+-	.5	5.4
031	010	4.7	23.3	+-	.7	20.3	+-	.7	5.7
032	273	4.9	17.2	+-	.5	14.2	+-	.4	5.4
033	257	5.1	23.0	+-	.7	19.9	+-	.7	5.7
034	242	7.1	22.4	+-	.7	19.3	+-	.7	5.7
035	255	11.	21.9	+-	.7	18.9	+-	.7	5.7
036	248	15.	21.7	+-	.6	18.7	+-	.6	5.6
037	247	17.	19.9	+-	.6	16.9	+-	.5	5.4
038	244	19.	MISSING OR DAMAGED DOSIMETER						
TRANSIT DOSE = 2.6 +- .3 ; 4.6									

MC. TH ANNA
FOR THE PERIOD 850917-860123

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std. Dev.	# IN GROUP
348.75-11.25 (N)	17.0 \pm .2	2
11.25-33.75 (NNE)	21.7 \pm 3.2	2
33.75-56.25 (NE)	18.0 \pm 2.1	2
56.25-78.75 (ENE)	21.6 \pm 5.6	3
78.75-101.25 (E)	18.3 \pm 3.1	2
101.25-123.75 (ESE)	20.2 \pm 4.2	2
123.75-146.25 (SE)	19.4 \pm 1.6	2
146.25-168.75 (SSE)	21.7 \pm 4.5	2
168.75-191.25 (S)	16.8 \pm 1.7	2
191.25-213.75 (SSW)	17.7 \pm 1.6	2
213.75-236.25 (SW)	20.3 \pm .9	2
236.25-258.75 (WSW)	19.6 \pm .6	4
258.75-281.25 (W)	16.6 \pm 3.4	2
281.25-303.75 (WNW)	18.5 \pm .8	2
303.75-326.25 (NW)	21.6 \pm 1.9	2
326.25-348.75 (NNW)	18.0 \pm 2.1	2

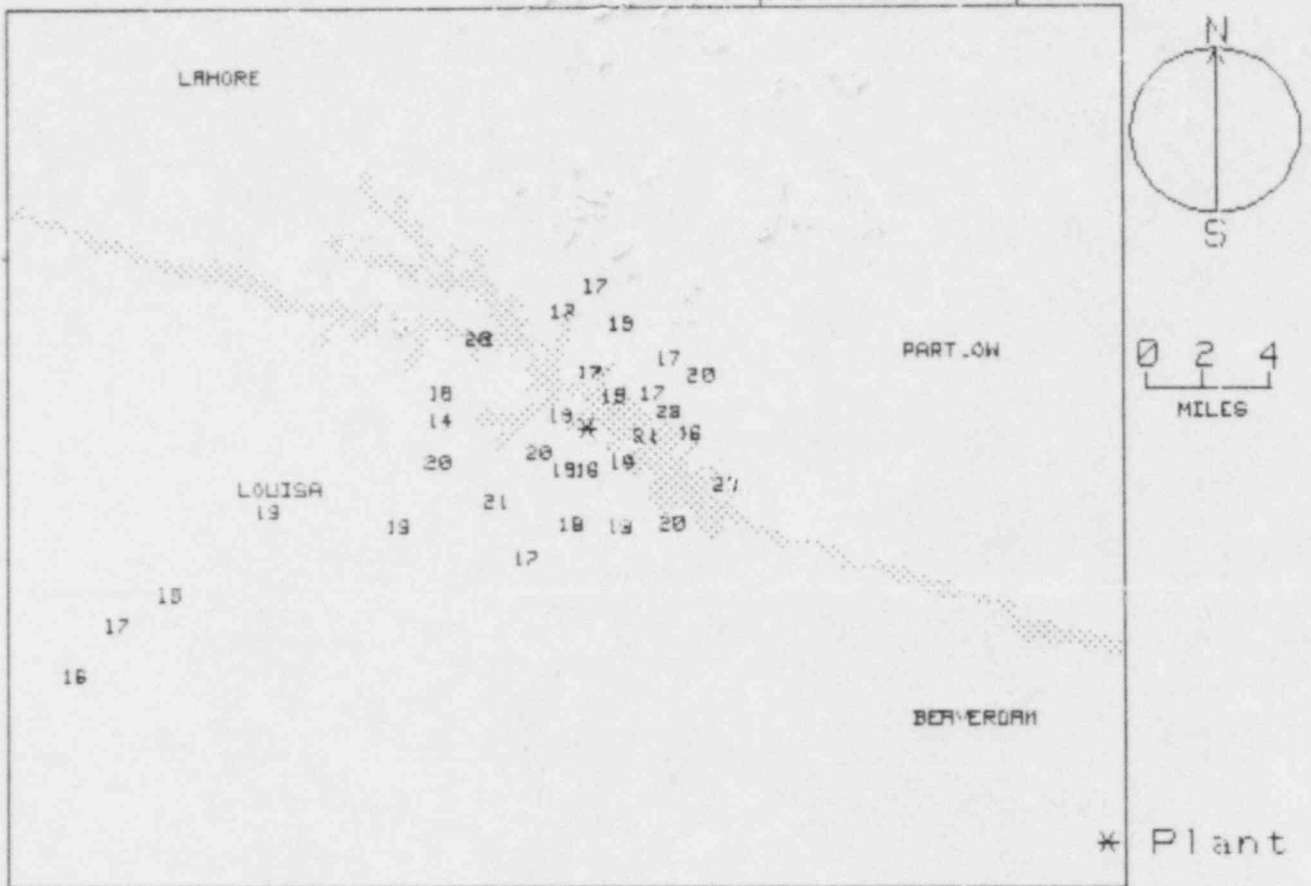
DISTANCE(mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std. Dev.	# IN GROUP
0-2	19.8 \pm 2.5	15
2-5	18.8 \pm 3.2	17
>5	19.4 \pm .5	3
UPWIND CONTROL DATA	17.7 \pm 1.2	2

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

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



OCONEE
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
 FOR THE PERIOD 850917-860122 128 DAYS
 FIELD TIME 92 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)			NET EXPOSURE RATE		
	AZIMUTH (deg.)	DIST (mi.)	+-	Rdm; Tot.		mR/Std. Qtr.	+-	Rdm; Tot.
001	158	7.5	24.5	+- .7	3.7	23.3	+- .6	5.3
002	133	4.9	26.8	+- .8	4.9	25.5	+- .6	5.5
003	119	4.3	25.3	+- .8	3.8	24.1	+- .6	5.4
004	84	4.7	25.9	+- .8	3.9	24.7	+- .6	5.5
005	65	4.0	23.9	+- .7	3.8	22.7	+- .7	5.3
006	52	1.8	26.6	+- .8	4.8	25.3	+- .6	5.5
007	22	3.5	26.8	+- .8	4.9	25.5	+- .6	5.5
008	33	1.4	24.4	+- .7	3.7	23.1	+- .6	5.3
009	52	1.8	20.4	+- .6	3.1	19.3	+- .6	4.9
010	66	1.2	16.4	+- .5	2.5	15.3	+- .5	4.6
011	107	1.9	20.4	+- .6	3.1	19.2	+- .6	4.9
012	87	1.0	23.8	+- .7	3.8	22.8	+- .7	5.3
013	142	0.7	MISSING OR DAMAGED DOSIMETER					
014	166	0.7	MISSING OR DAMAGED DOSIMETER					
015	226	1.7	22.6	+- .7	3.4	21.4	+- .7	5.1
016	207	1.4	21.7	+- .7	3.3	20.6	+- .7	5.1
017	182	2.2	20.4	+- .6	3.1	19.2	+- .6	4.9
018	186	3.8	19.7	+- .6	3.0	18.6	+- .6	4.9
019	155	4.1	24.5	+- .7	3.7	23.3	+- .6	5.3
020	203	0.4	21.3	+- .6	3.2	20.1	+- .7	5.0
021	210	4.6	22.6	+- .7	3.4	21.4	+- .7	5.2
022	227	4.8	MISSING OR DAMAGED DOSIMETER					
023	240	3.6	22.5	+- .7	3.4	21.3	+- .7	5.1
024	268	3.6	25.1	+- .8	3.8	23.9	+- .6	5.4
025	257	1.9	20.5	+- .6	3.1	19.3	+- .6	5.0
026	293	3.6	21.7	+- .6	3.2	20.5	+- .7	5.1
027	311	3.5	18.5	+- .6	2.8	17.4	+- .6	4.8
028	288	2.8	19.2	+- .6	2.9	18.1	+- .6	4.8
029	275	1.8	20.1	+- .6	3.0	18.9	+- .6	4.9
030	321	1.8	23.7	+- .7	3.5	22.5	+- .7	5.3
031	344	2.8	18.2	+- .5	2.7	17.1	+- .6	4.8
032	336	3.7	27.7	+- .8	4.2	26.4	+- .6	5.7
033	358	4.5	23.3	+- .7	3.5	22.1	+- .7	5.2
034	256	9.4	28.3	+- .8	4.2	27.0	+- .9	5.7
035	149	21.	23.8	+- .7	3.8	22.6	+- .7	5.3
036	126	8.2	25.7	+- .8	3.9	24.5	+- .6	5.5
037	96	9.7	25.6	+- .8	3.8	24.4	+- .6	5.4
038	32	16.	31.9	+- 1.0	4.8	30.5	+- 1.0	6.1
039	31	16.	27.6	+- .8	4.1	26.0	+- .8	5.6
940	29	16.	27.8	+- .8	4.0	25.7	+- .8	5.6
TRANSIT DOSE =			.7	+-	.2	;	4.0	

OCCONEE
FOR THE PERIOD 850917-860122

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
348.75-11.25 (N)	22.1 \pm 0.0	1
11.25-33.75 (NNE)	24.3 \pm 1.7	2
33.75-56.25 (NE)	22.3 \pm 4.3	2
56.25-78.75 (ENE)	19.0 \pm 5.2	2
78.75-101.25 (E)	23.9 \pm 1.1	3
101.25-123.75 (ESE)	21.7 \pm 3.4	2
123.75-146.25 (SE)	25.0 \pm .7	2
146.25-168.75 (SSE)	23.0 \pm .4	3
168.75-191.25 (S)	18.9 \pm .4	2
191.25-213.75 (SSW)	20.7 \pm .7	3
213.75-236.25 (SW)	21.4 \pm 0.0	1
236.25-258.75 (WSW)	22.5 \pm 4.0	3
258.75-281.25 (W)	21.4 \pm 3.5	2
281.25-303.75 (WNW)	19.3 \pm 1.7	2
303.75-326.25 (NW)	19.9 \pm 3.6	2
326.25-348.75 (NNW)	21.8 \pm 6.6	2

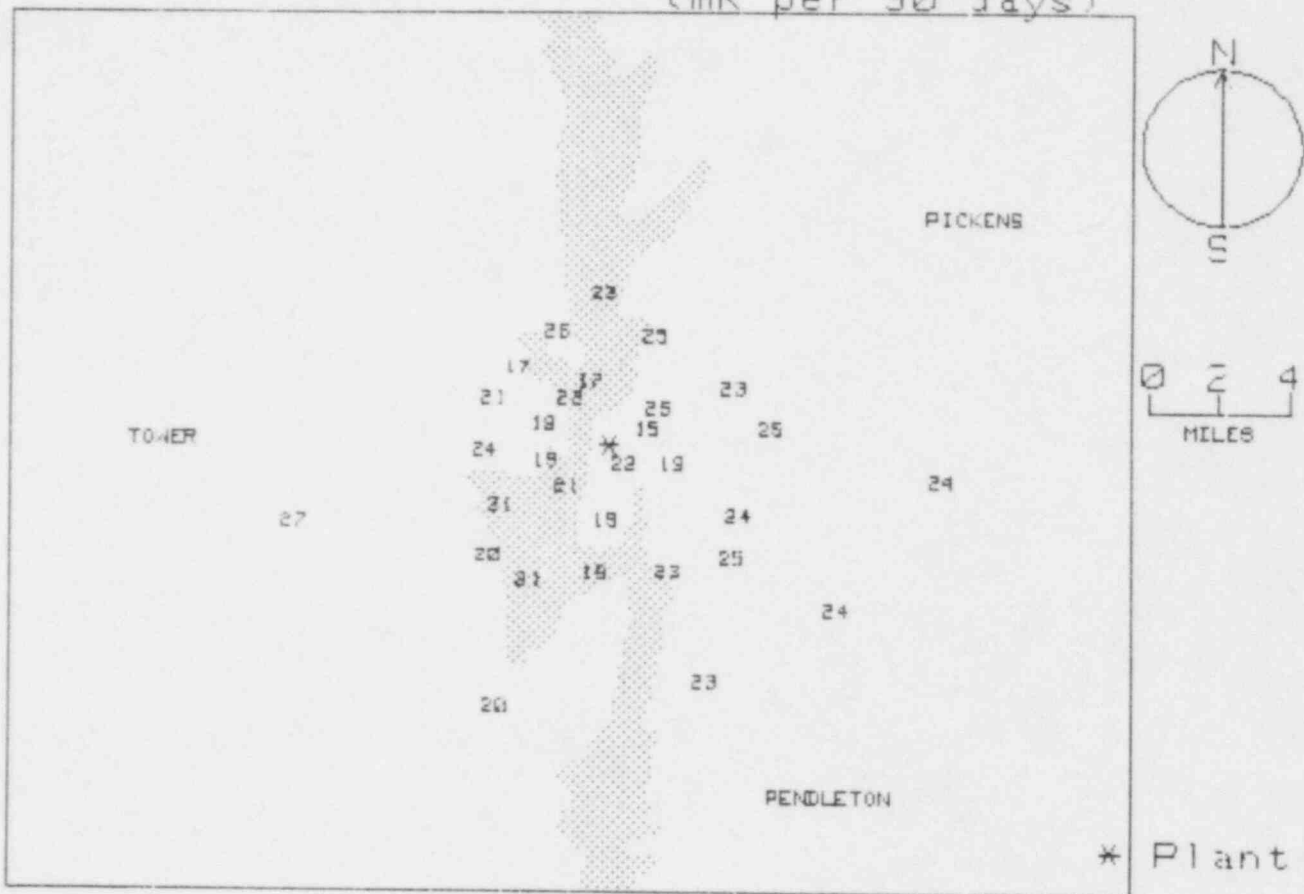
DISTANCE(mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
0-2	20.2 \pm 2.7	13
2-5	22.4 \pm 2.7	15
>5	23.6 \pm 2.3	6
UPWIND CONTROL DATA	27.5 \pm 2.6	3

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	16.0	32	HOLLY SPRINGS CHURCH
39	16.0	31	HOLLY SPRINGS GROCERY
40	16.0	29	SLIDING ROCK RD. & HWY. 178

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



OYSTER CREEK
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
 FOR THE PERIOD 850919-860115 119 DAYS
 FIELD TIME 93 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)		NET EXPOSURE RATE	
	AZIMUTH (deg.)	DIST (mi.)	+ Rdm	Tot.	mR/Std. Qtr. + Rdm	Tot.
001	141	.5	16.2	2.4	13.2	5.1
002	120	.9	16.0	2.4	13.1	5.0
003	105	1.5	17.0	2.6	14.1	5.1
004	127	1.5	15.3	2.3	12.4	5.0
005	137	1.3	14.2	2.1	11.3	4.9
006	158	1.2	15.3	2.3	12.4	5.0
007	176	2.2	13.3	2.0	10.5	4.9
008	179	1.6	14.2	2.1	11.4	4.9
009	159	2.0	13.4	2.0	10.5	4.9
010	187	0.4	15.7	2.3	12.8	5.0
011	173	4.4	13.9	2.1	11.0	4.9
012	196	4.2	14.3	2.1	11.4	4.9
013	198	0.6	MISSING OR DAMAGED DOSIMETER			
014	185	10.	16.4	2.5	13.5	5.1
015	171	11.	14.9	2.2	12.0	5.0
016	154	0.2	12.7	1.9	9.9	4.8
017	126	6.3	15.6	2.3	12.7	5.0
018	220	4.6	13.5	2.0	10.7	4.9
019	231	5.3	14.9	2.2	12.0	5.0
020	211	1.6	13.1	2.0	10.3	4.9
022	258	1.5	14.5	2.2	11.6	5.0
023	271	1.2	14.4	2.2	11.5	4.9
024	297	1.3	15.1	2.3	12.2	5.0
025	318	1.5	13.5	2.0	10.7	4.9
026	341	3.2	MISSING OR DAMAGED DOSIMETER			
027	330	4.6	15.0	2.3	12.1	5.0
028	358	3.2	13.5	2.0	10.6	4.9
029	4	1.0	13.5	2.0	10.7	4.9
030	19	.8	MISSING OR DAMAGED DOSIMETER			
031	69	1.4	14.1	2.1	11.2	4.9
032	78	2.5	13.2	2.0	10.4	4.9
033	85	2.2	14.0	2.1	11.2	4.9
034	38	1.7	15.1	2.3	12.2	5.0
035	24	1.9	16.2	2.4	13.2	5.1
036	50	3	14.0	2.1	11.2	4.9
037	46	4.0	13.8	2.1	11.0	4.9
038	27	4	14.3	2.1	11.5	4.9
039	12	0.9	14.4	2.2	11.6	4.9
040	10	0.7	13.9	2.1	11.1	4.9
041	3	9.9	14.8	2.2	11.9	5.0
042	38	10.	16.0	2.4	13.1	5.1
043	46	9.1	16.6	2.5	13.7	5.1
044	73	6.5	14.1	2.1	11.3	4.9
045	79	6	15.0	2.2	12.1	5.0
046	278	20.	16.0	2.4	13.1	5.0
047	278	20.	16.3	2.4	13.4	5.1
TRANSIT DOSE =			2.5	3 ; 4.6		

OYSTER CREEK
FOR THE PERIOD 850919-860115

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
348.75-11.25 (N)	11.1 \pm .6	4
11.25-33.75 (NNE)	12.1 \pm 1.0	3
33.75-56.25 (NE)	12.2 \pm 1.2	5
56.25-78.75 (ENE)	11.0 \pm .5	3
78.75-101.25 (E)	11.6 \pm .7	2
101.25-123.75 (ESE)	13.6 \pm .7	2
123.75-146.25 (SE)	12.4 \pm .8	4
146.25-168.75 (SSE)	10.9 \pm 1.3	3
168.75-191.25 (S)	11.9 \pm 1.1	6
191.25-213.75 (SSW)	10.9 \pm .8	2
213.75-236.25 (SW)	11.4 \pm 1.0	2
236.25-258.75 (WSW)	11.6 \pm 0.0	1
258.75-281.25 (W)	11.5 \pm 0.0	1
281.25-303.75 (WNW)	12.2 \pm 0.0	1
303.75-326.25 (NW)	10.7 \pm 0.0	1
326.25-348.75 (NNW)	12.1 \pm 0.0	1

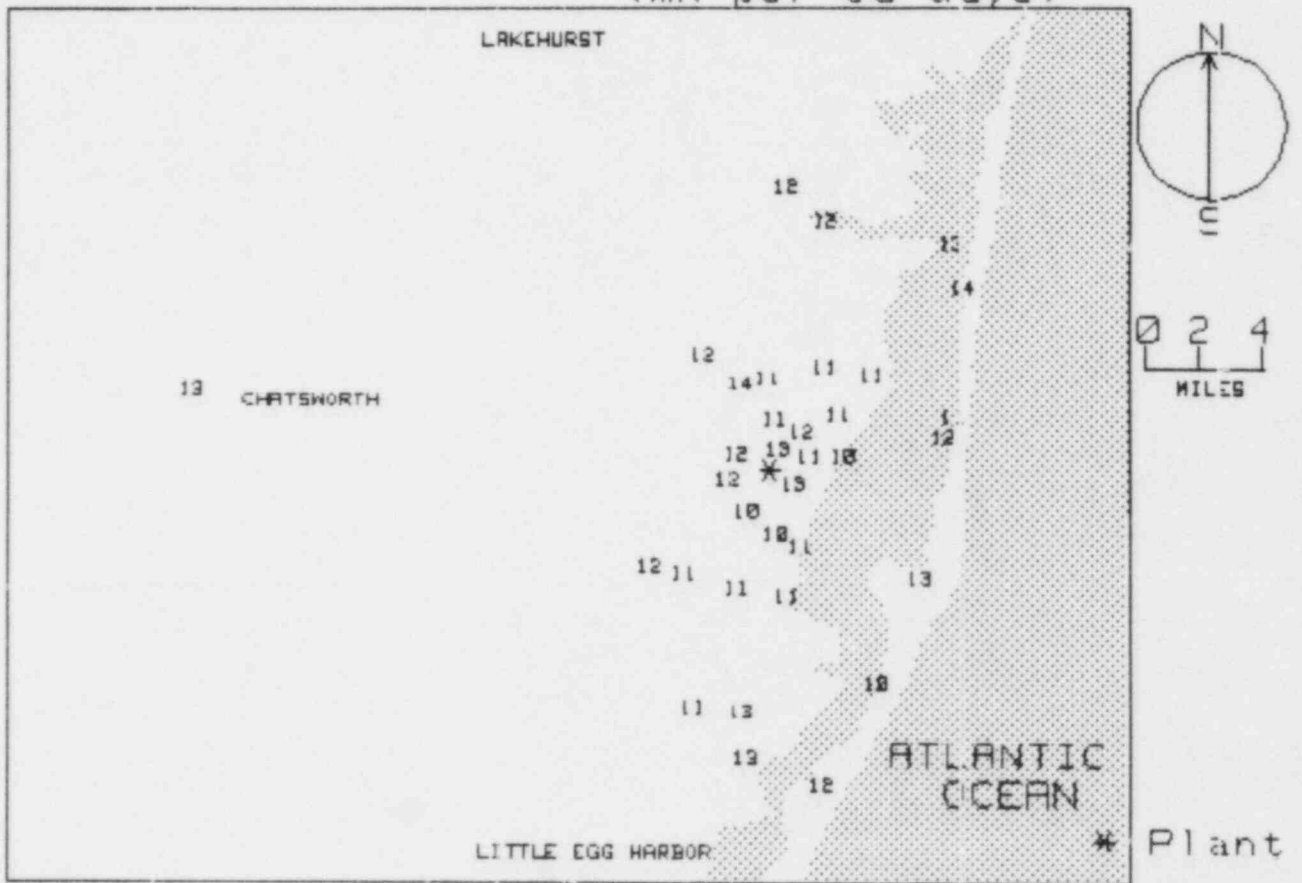
DISTANCE(mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
0-2	12.0 \pm 1.1	16
2-5	11.0 \pm .5	12
>5	12.1 \pm 1.0	13
UPWIND CONTROL DATA	13.2 \pm .2	2

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	11.0	171	LONG BEACH BLVD.&8TH ST.
16	8.2	154	LONG BEACH BLVD.& 73TH 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

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



PALISADES
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
 FOR THE PERIOD 850912-860203 145 DAYS
 FIELD TIME 192 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)		NET EXPOSURE RATE			
	AZIMUTH (deg.)	DIST (mi.)	+ Rdm	Tot.	mR/Std. Qtr. + Rdm	Tot.		
001	195	4.9	23.1	+.7	12.3	+.6	7.2	
002	173	4.6	21.9	+.7	11.2	+.7	7.1	
003	156	3.9	24.2	+.7	13.2	+.6	7.2	
004	132	4.6	24.6	+.7	13.6	+.6	7.2	
005	118	3.3	23.7	+.7	12.0	+.6	7.2	
006	152	1.0	23.4	+.7	12.5	+.6	7.2	
007	196	2.3	22.3	+.7	11.6	+.6	7.1	
008	178	1.6	21.9	+.7	11.2	+.7	7.1	
009	200	0.9	23.7	+.7	12.0	+.6	7.2	
010	124	1.0	20.0	+.6	16.6	+.9	7.5	
011	107	1.6	24.2	+.7	13.2	+.6	7.2	
012	90	1.5	22.6	+.7	11.0	+.6	7.1	
013	65	1.7	23.5	+.7	12.6	+.6	7.2	
014	51	1.9	22.9	+.7	12.1	+.6	7.1	
015	74	3.7	22.0	+.7	12.0	+.6	7.1	
016	90	3.6	MISSING OR DAMAGED DOSIMETER					
017	90	10.	23.2	+.7	12.4	+.6	7.2	
018	47	4.5	24.6	+.7	13.6	+.6	7.2	
019	23	1.5	22.3	+.7	11.6	+.6	7.1	
020	32	4.0	24.5	+.7	13.5	+.6	7.2	
021	29	7.0	24.4	+.7	13.4	+.6	7.2	
022	99	15.	23.5	+.7	12.6	+.6	7.2	
023	90	10.	24.0	+.7	13.0	+.6	7.2	
024	90	10.	23.1	+.7	12.2	+.6	7.2	
TRANSIT DOSE = 9.2			+.5	7.3				

PALISADES
FOR THE PERIOD 850912-860203

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std. Dev.	# IN GROUP
348.75-11.25 (N)	NO DATA+-NO DATA	0
11.25-33.75 (NNE)	12.8 \pm 1.1	3
33.75-56.25 (NE)	12.8 \pm 1.1	2
56.25-78.75 (ENE)	12.3 \pm .4	2
78.75-101.25 (E)	12.1 \pm .4	2
101.25-123.75 (ESE)	13.0 \pm .3	2
123.75-146.25 (SE)	15.1 \pm 2.2	2
146.25-168.75 (SSE)	12.9 \pm .5	2
168.75-191.25 (S)	11.2 \pm .0	2
191.25-213.75 (SSW)	12.2 \pm .6	3
213.75-236.25 (SW)	NO DATA+-NO DATA	0
236.25-258.75 (WSW)	NO DATA+-NO DATA	0
258.75-281.25 (W)	NO DATA+-NO DATA	0
281.25-303.75 (WNW)	NO DATA+-NO DATA	0
303.75-326.25 (NW)	NO DATA+-NO DATA	0
326.25-348.75 (NNW)	NO DATA+-NO DATA	0

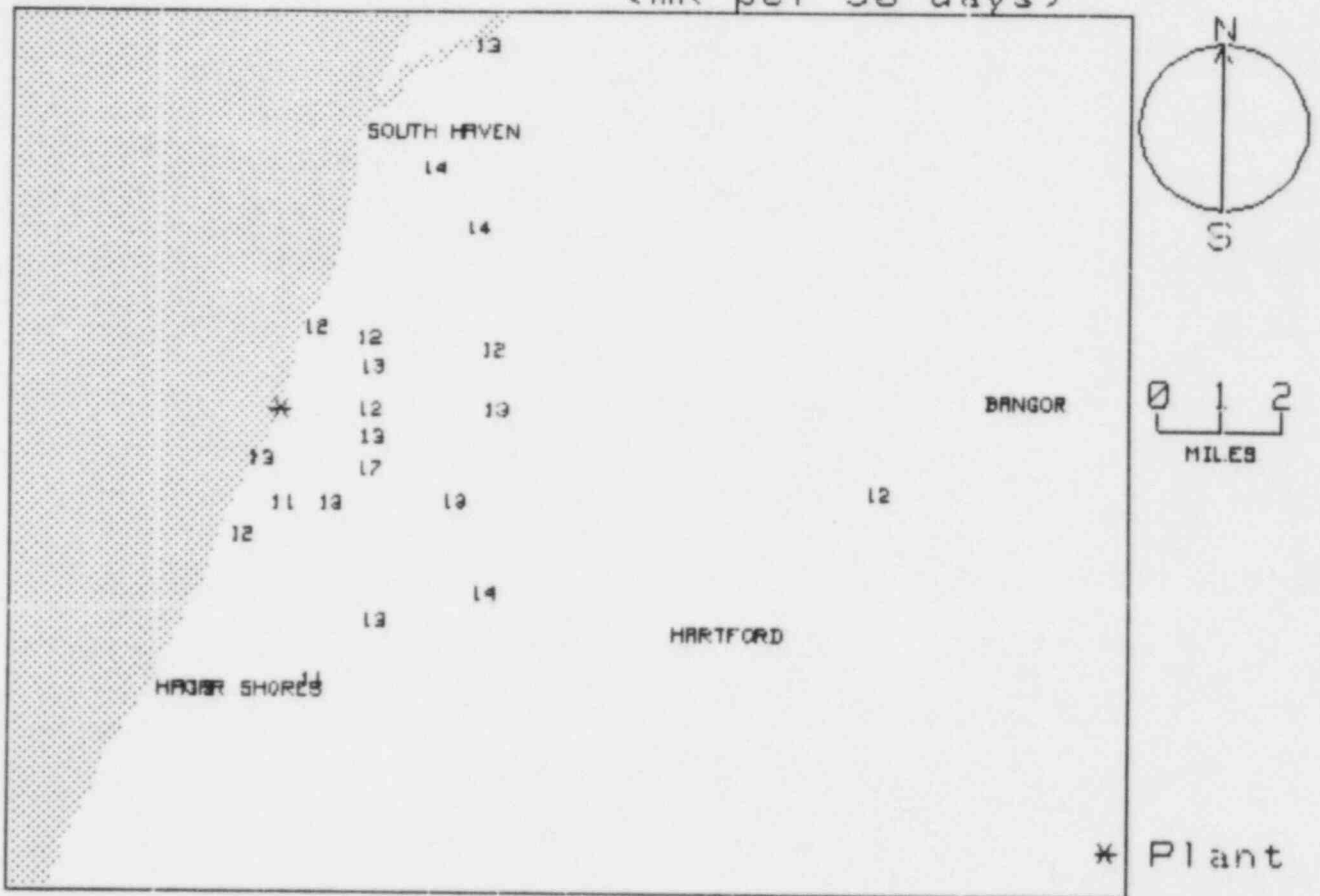
DISTANCE(mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std. Dev.	# IN GROUP
0-2	12.7 \pm 1.6	9
2-5	12.6 \pm .9	9
>5	12.9 \pm .7	2
UPWIND CONTROL DATA	12.9 \pm .8	3

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

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



PALO VERDE
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
 FOR THE PERIOD 850910-860109 122 DAYS
 FIELD TIME 94 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)		NET EXPOSURE RATE		
	AZIMUTH (deg.)	DIST (mi.)	+ Rdm	Tot.	mR/Std. Qtr. + Rdm	Tot.	
001	74	23.	22.4	+.7	19.9	+.7	
002	92	21.	23.2	+.7	20.7	+.7	
003	89	15.	23.4	+.7	20.0	+.7	
004	100	11.	23.0	+.7	20.2	+.7	
005	140	7.4	23.0	+.7	21.0	+.7	
006	142	3.1	23.0	+.7	20.1	+.7	
007	162	2.6	23.4	+.7	20.9	+.7	
008	160	2.6	23.2	+.7	19.7	+.7	
009	190	2.6	23.0	+.7	22.6	+.7	
010	215	3.1	23.0	+.7	22.0	+.7	
011	200	1.7	23.0	+.7	22.4	+.7	
012	214	1.9	23.0	+.7	21.0	+.7	
013	242	0.7	23.7	+.7	23.1	+.7	
014	260	0.6	24.1	+.7	21.5	+.7	
015	295	0.6	23.6	+.7	21.5	+.7	
016	325	1.0	24.1	+.7	21.5	+.7	
017	347	1.0	26.5	+.7	23.0	+.7	
018	0	2.4	26.7	+.7	24.0	+.7	
019	10	1.5	23.7	+.7	21.2	+.7	
020	27	2.0	24.2	+.7	21.6	+.7	
021	50	2.0	26.1	+.7	23.4	+.7	
022	75	2.0	MISSING OR DAMAGED DOSIMETER				
023	90	4.4	23.0	+.7	21.0	+.7	
024	101	3.0	23.7	+.7	21.2	+.7	
025	146	2.9	24.1	+.7	21.5	+.7	
026	334	4.0	26.6	+.7	23.9	+.7	
027	300	7.9	26.6	+.7	23.9	+.7	
028	0	7.0	25.0	+.7	22.6	+.7	
029	9	4.2	26.5	+.7	23.0	+.7	
030	27	3.6	26.9	+.7	24.2	+.7	
031	49	3.5	26.4	+.7	23.7	+.7	
032	120	3.0	27.2	+.7	24.5	+.7	
TRANSIT DOSE = 1.6 +- .3			; 4.4				

PALO VERDE
FOR THE PERIOD 850910-860109

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std. Dev.	# IN GROUP
348.75-11.25 (N)	23.5 \pm .7	3
11.25-33.75 (NNE)	22.7 \pm 2.2	2
33.75-56.25 (NE)	22.6 \pm 1.5	2
56.25-78.75 (ENE)	23.4 \pm 0.0	1
78.75-101.25 (E)	21.2 \pm .1	2
101.25-123.75 (ESE)	22.4 \pm 3.0	2
123.75-146.25 (SE)	20.5 \pm .7	2
146.25-168.75 (SSE)	20.3 \pm .8	2
168.75-191.25 (S)	NO DATA \pm NO DATA	0
191.25-213.75 (SSW)	22.5 \pm .1	2
213.75-236.25 (SW)	22.3 \pm 1.4	2
236.25-258.75 (WSW)	23.1 \pm 0.0	1
258.75-281.25 (W)	21.5 \pm 0.0	1
281.25-303.75 (WNW)	21.0 \pm 0.0	1
303.75-326.25 (NW)	21.5 \pm 0.0	1
326.25-348.75 (NNW)	23.3 \pm 1.2	4

DISTANCE(mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std. Dev.	# IN GROUP
0-2	21.9 \pm 1.0	9
2-5	22.5 \pm 1.6	15
>5	21.9 \pm 1.6	4
UPWIND CONTROL DATA	20.5 \pm .5	3

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

MAP FOR PARLO VERDE

Map will be provided for this site in the future.

PEACH BOTTOM
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
 FOR THE PERIOD 850917-860114 120 DAYS
 FIELD TIME 94 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)		NET EXPOSURE RATE	
	AZIMUTH (deg.)	DIST (mi.)	+ Rdm	Tot.	mR/Std. Otr.	+ Rdm; Tot.
001	329	10.	18.9	+- .6	16.2	+- .6
002	31	10.	21.8	+- .7	19.0	+- .7
003	22	4.7	19.7	+- .6	17.0	+- .6
004	4	5	19.8	+- .6	17.0	+- .6
005	345	4.1	22.7	+- .7	19.0	+- .7
006	9	2.2	21.6	+- .6	18.0	+- .6
007	22	2.5	22.9	+- .7	19.0	+- .7
008	55	2.9	20.3	+- .6	17.0	+- .6
009	45	2	21.5	+- .6	18.0	+- .6
010	63	1.7	22.6	+- .7	19.0	+- .7
011	97	2.3	16.0	+- .5	14.0	+- .5
012	107	2.3	19.5	+- .6	16.0	+- .6
013	72	5	22.1	+- .7	19.0	+- .7
014	86	4.6	21.3	+- .6	18.0	+- .6
015	110	4.3	16.0	+- .5	13.4	+- .5
016	130	4.7	17.3	+- .6	14.0	+- .6
017	158	9	18.7	+- .6	16.0	+- .6
018	163	4.6	22.7	+- .7	19.0	+- .7
019	184	3.9	21.0	+- .7	19.0	+- .7
020	203	4.9	22.4	+- .7	19.0	+- .7
021	197	2.3	20.0	+- .6	18.0	+- .6
022	183	1.7	23.0	+- .7	20.0	+- .7
023	190	1.0	23.5	+- .7	20.0	+- .7
024	222	1.0	22.3	+- .7	19.4	+- .7
025	248	1.7	23.0	+- .7	20.1	+- .7
026	268	1.0	21.2	+- .6	18.4	+- .6
027	288	1.9	19.2	+- .6	16.5	+- .6
028	323	1.0	24.3	+- .7	21.0	+- .7
029	286	3.6	23.5	+- .7	20.0	+- .7
030	264	4	24.0	+- .7	21.1	+- .7
031	262	9.9	22.0	+- .7	19.1	+- .7
032	248	3.2	16.0	+- .5	13.4	+- .5
033	235	9.4	22.7	+- .7	19.9	+- .7
034	319	4.9	21.3	+- .6	18.5	+- .6
035	151	16.	17.4	+- .5	14.7	+- .5
036	148	16.	17.4	+- .5	14.7	+- .5
037	148	16.	16.6	+- .5	14.0	+- .5
038	148	16.				

MISSING OR DAMAGED DOSIMETER

TRANSIT DOSE = 2.0 +- .3 ; 4.5

PEACH BOTTOM
FOR THE PERIOD 850917-860114

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
348.75-11.25 (N)	18.4 \pm 2.0	2
11.25-33.75 (NNE)	18.0 \pm 1.6	3
33.75-56.25 (NE)	18.6 \pm 1.5	2
56.25-78.75 (ENE)	17.7 \pm 1.3	2
78.75-101.25 (E)	19.5 \pm .3	2
101.25-123.75 (ESE)	16.3 \pm 3.0	2
123.75-146.25 (SE)	13.4 \pm 0.0	1
146.25-168.75 (SSE)	16.4 \pm 2.0	3
168.75-191.25 (S)	19.6 \pm 1.4	3
191.25-213.75 (SSW)	19.3 \pm .4	2
213.75-236.25 (SW)	17.0 \pm 5.0	2
236.25-258.75 (WSW)	19.3 \pm .2	2
258.75-281.25 (W)	20.6 \pm .5	3
281.25-303.75 (WNW)	19.9 \pm 2.1	2
303.75-326.25 (NW)	18.2 \pm 2.4	2
326.25-348.75 (NNW)	17.0 \pm 0.0	1

DISTANCE (mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
0-2	18.9 \pm 1.4	11
2-5	18.3 \pm 2.1	19
>5	16.3 \pm 3.4	4
UPWIND CONTROL DATA	14.5 \pm .4	3

PEACH BOTTOM

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING LOCATIONS

STATION	DIST(mi.)	DIR	DESCRIPTION
1	10.0	329	PEQUER
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	AIRES ROAD
27	1.9	288	AIRES 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.)

MAP FOR PEACH BOTTOM

Map will be provided for this site in the future.

PERRY
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
 FOR THE PERIOD 850916-860124 131 DAYS
 FIELD TIME 101 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)		NET EXPOSURE RATE	
	AZIMUTH (deg.)	DIST (mi.)	+/-	Rdm; Tot.	mR/Std. Otr.	+/- Rdm; Tot.
001	72	5.0	22.7	+-	17.2	+-
003	88	5.5	22.6	+-	17.1	+-
004	112	6.0	20.2	+-	17.7	+-
005	130	4.0	24.2	+-	18.6	+-
006	155	5.0	25.0	+-	20.0	+-
007	170	5.0	23.0	+-	18.0	+-
008	200	4.0	27.4	+-	21.1	+-
009	220	5.0	23.0	+-	18.0	+-
010	220	4.4	23.0	+-	19.5	+-
011	240	5.0	23.0	+-	19.3	+-
012	220	19.0	23.0	+-	18.1	+-
013	220	19.0	23.0	+-	17.4	+-
014	212	12.0	23.0	+-	22.0	+-
015	240	1.4	21.0	+-	16.4	+-
016	220	0.0	MISSED	OR	DAMAGED	DOSIMETER
017	200	0.7	23.0	+-	15.0	+-
018	180	0.0	23.0	+-	18.0	+-
019	150	1.0	23.0	+-	17.5	+-
020	120	1.0	23.0	+-	16.2	+-
021	105	1.4	23.0	+-	15.0	+-
022	85	1.4	23.0	+-	19.4	+-
023	65	1.4	23.0	+-	15.0	+-
024	40	0.0	23.0	+-	16.0	+-
025	40	0.0	23.0	+-	20.7	+-
026	182	0.0	23.0	+-	15.0	+-
027	175	0.0	23.0	+-	15.0	+-
TRANSIT DOSE =		3.3	+-	0.3		

PERRY
FOR THE PERIOD 850916-860124

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
348.75-11.25 (N)	NO DATA+-NO DATA	0
11.25-33.75 (NNE)	NO DATA+-NO DATA	0
33.75-56.25 (NE)	18.7 \pm 3.2	2
56.25-78.75 (ENE)	16.5 \pm 1.0	2
78.75-101.25 (E)	18.3 \pm 1.6	2
101.25-123.75 (ESE)	16.4 \pm 1.2	3
123.75-146.25 (SE)	18.6 \pm 0.0	1
146.25-168.75 (SSE)	18.8 \pm 1.0	2
168.75-191.25 (S)	18.2 \pm 1.9	4
191.25-213.75 (SSW)	18.3 \pm 4.5	2
213.75-236.25 (SW)	18.0 \pm 2.2	2
236.25-258.75 (WSW)	17.9 \pm 2.0	2
258.75-281.25 (W)	NO DATA+-NO DATA	0
281.25-303.75 (WNW)	NO DATA+-NO DATA	0
303.75-326.25 (NW)	NO DATA+-NO DATA	0
326.25-348.75 (NNW)	NO DATA+-NO DATA	0

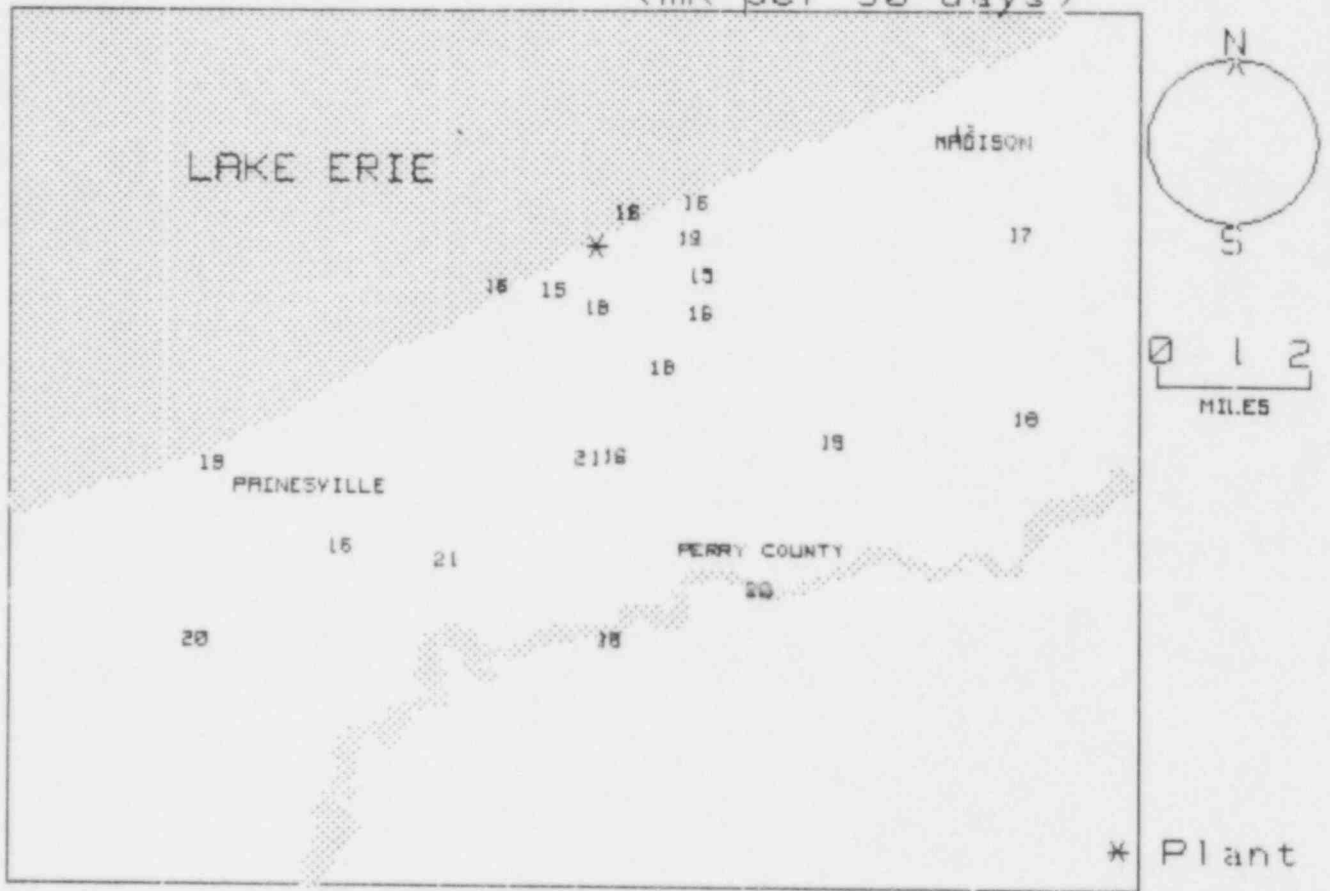
DISTANCE(mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
0-2	17.1 \pm 1.9	10
2-5	19.0 \pm 2.1	6
>5	18.0 \pm 1.2	6
UPWIND CONTROL DATA	19.5 \pm 2.9	3

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 FT 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	1.8	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

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



PILGRIM
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
 FOR THE PERIOD 850918-860123 120 DAYS
 FIELD TIME 90 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)		NET EXPOSURE RATE	
	AZIMUTH/DIST (deg.)	(mi.)	+/- Rdm; Tot.		mR/Std. Dtr. +/- Rdm; Tot.	
001	288	.1	69.2 +- 2.1	10.4	59.2 +- 2.1	12.6
002	310	.2	25.9 +- .8	3.9	15.2 +- .9	1.1
005	289	.7	25.7 +- .8	3.9	15.7 +- .9	1.1
006	261	1.7	22.9 +- .7	4.4	12.6 +- .9	1.1
007	270	.5	27.7 +- .8	4.1	17.6 +- 1.0	1.1
008	247	.3	26.1 +- .8	3.9	16.9 +- .9	1.1
009	224	.3	23.0 +- .7	3.5	13.9 +- .8	1.1
010	205	.3	29.9 +- .9	4.5	19.9 +- 1.0	1.1
011	184	0.3	27.6 +- .8	4.1	17.6 +- 1.0	1.1
012	159	.4	24.0 +- .7	3.6	14.9 +- .9	1.1
013	146	.7	22.7 +- .7	3.4	12.6 +- .9	1.1
014	155	1	24.6 +- .7	3.7	14.9 +- .9	1.1
016	136	1.3	22.0 +- .7	3.3	11.9 +- .8	1.1
018	212	.8	23.1 +- .7	3.5	13.1 +- .9	1.1
019	232	1	21.7 +- .7	3.3	11.7 +- .8	1.1
021	256	1.1	24.2 +- .7	3.6	14.2 +- .9	1.1
022	130	2.1	23.3 +- .7	3.5	13.2 +- .9	1.1
023	146	3.4	23.5 +- .7	3.5	13.4 +- .9	1.1
025	168	1.5	24.6 +- .7	3.7	14.9 +- .9	1.1
026	180	1.3	21.5 +- .6	3.2	11.5 +- .8	1.1
027	231	1.8	23.1 +- .7	3.5	13.1 +- .9	1.1
030	153	2.2	25.3 +- .8	3.8	15.3 +- .9	1.1
031	179	2.5	22.0 +- .7	3.3	11.9 +- .8	1.1
032	217	2.6	23.2 +- .7	3.5	13.2 +- .9	1.1
033	234	2.5	MISSING OR DAMAGED DOSIMETER			
037	264	4.2	21.6 +- .6	3.2	11.6 +- .8	1.1
038	152	3.5	22.5 +- .7	3.4	12.4 +- .9	1.1
039	155	5.3	21.4 +- .6	3.2	11.4 +- .8	1.1
040	272	4.6	24.1 +- .7	3.6	14.1 +- .9	1.1
042	281	4.8	21.9 +- .7	3.3	11.9 +- .8	1.1
043	291	5.8	25.5 +- .8	3.8	15.5 +- .9	1.1
045	197	8.6	22.0 +- .7	3.3	11.9 +- .8	1.1
047	301	26.	25.7 +- .8	3.9	15.7 +- .9	1.1
048	301	26.	26.2 +- .8	3.9	16.1 +- .9	1.1
049	301	26.	MISSING OR DAMAGED DOSIMETER			
TRANSIT DOSE = 10.0 +- .5 ; 7.2						

COMMENTS:

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

PILGRIM
FOR THE PERIOD 850918-860123

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
348.75-11.25 (N)	NO DATA+-NO DATA	0
11.25-33.75 (NNE)	NO DATA+-NO DATA	0
33.75-56.25 (NE)	NO DATA+-NO DATA	0
56.25-78.75 (ENE)	NO DATA+-NO DATA	0
78.75-101.25 (E)	NO DATA+-NO DATA	0
101.25-123.75 (ESE)	NO DATA+-NO DATA	0
123.75-146.25 (SE)	12.8 \pm .7	4
146.25-168.75 (SSE)	13.7 \pm 1.5	6
168.75-191.25 (S)	13.7 \pm 3.4	3
191.25-213.75 (SSW)	15.0 \pm 4.3	3
213.75-236.25 (SW)	12.7 \pm .7	4
236.25-258.75 (WSW)	15.1 \pm 1.3	2
258.75-281.25 (W)	13.6 \pm 2.5	5
281.25-303.75 (WNW)	30.1 \pm 25.2	3
303.75-326.25 (NW)	15.8 \pm 0.0	1
326.25-348.75 (NNW)	NO DATA+-NO DATA	0

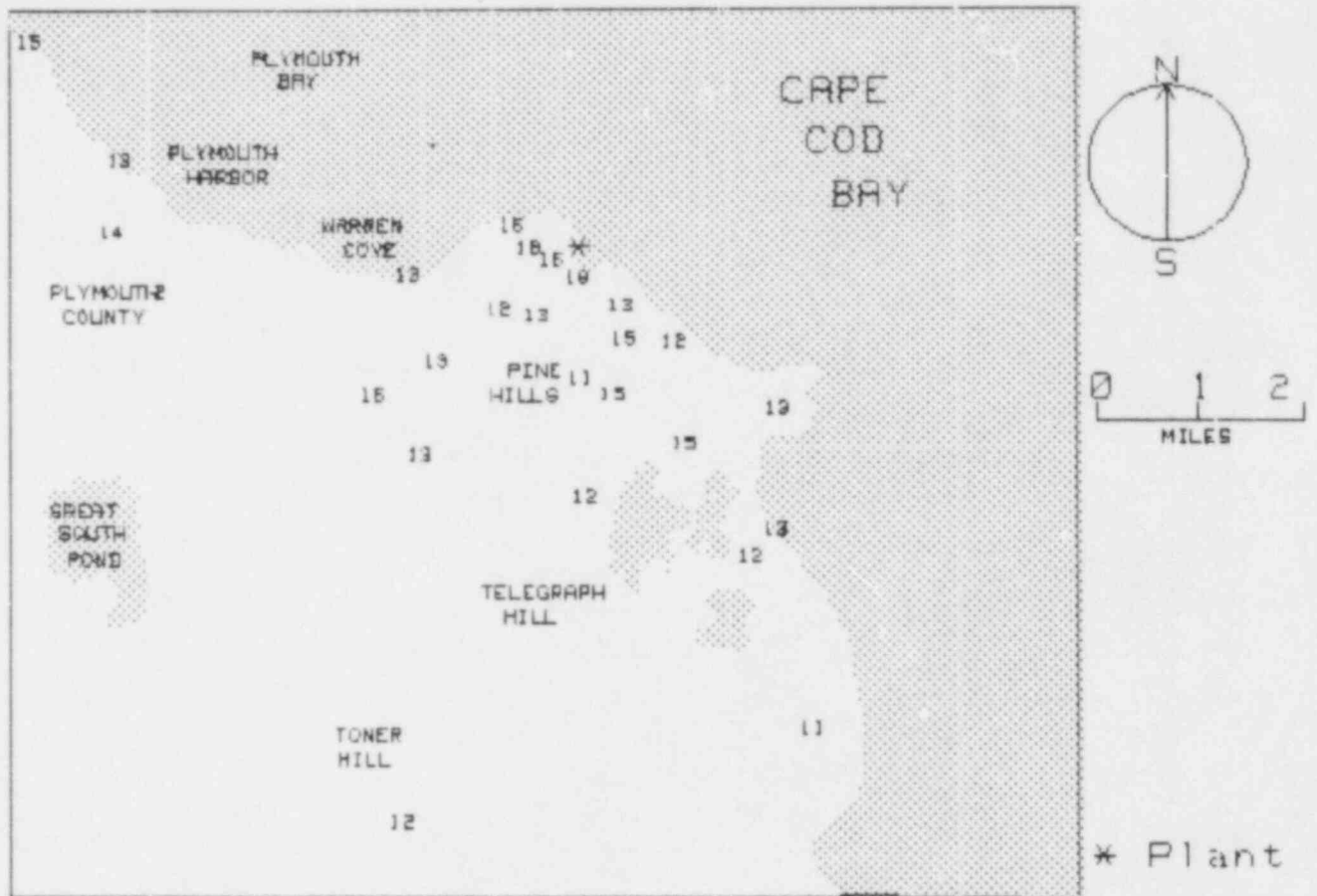
DISTANCE (mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
0-2	16.8 \pm 10.5	19
2-5	13.0 \pm 1.2	9
>5	12.9 \pm 2.2	3
UPWIND CONTROL DATA	15.9 \pm .3	2

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
45	6.0	197	SHAW RESIDENCE
47	26.0	301	WEYMOUTH
48	26.0	301	WEYMOUTH
49	26.0	301	WEYMOUTH

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



PRAIRIE ISLAND
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
 FOR THE PERIOD 850913-860113 123 DAYS
 FIELD TIME 89 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)		NET EXPOSURE RATE	
	AZIMUTH (deg.)	DIST (mi.)	+ Rdm	Tot.	mR/Std. Qtr.	+ Rdm; Tot.
001	312	17.	21.5	+	17.0	+
002	310	15.	21.6	+	17.0	+
003	310	15.	21.3	+	17.0	+
004	308	5.5	21.2	+	17.0	+
005	297	4.1	19.6	+	15.0	+
006	287	1.3	21.2	+	17.0	+
007	313	0.0	18.0	+	15.0	+
008	244	0.0	22.1	+	18.0	+
009	194	0.0	21.2	+	17.0	+
010	155	0.0	21.2	+	17.0	+
011	129	1.6	18.9	+	15.0	+
012	153	1.4	20.0	+	16.0	+
013	217	0.6	20.1	+	16.0	+
014	178	0.0	20.2	+	16.0	+
015	272	1.9	20.0	+	16.0	+
016	262	4.6	21.6	+	17.0	+
017	250	4.3	20.4	+	16.0	+
018	225	4.1	23.6	+	19.0	+
019	233	6.7	19.1	+	15.0	+
020	200	4.9	23.3	+	19.0	+
021	187	4.7	22.2	+	18.0	+
022	160	4.4	22.0	+	18.0	+
023	140	4.7	20.1	+	16.0	+
024	131	6.6	21.2	+	17.0	+
025	117	4.9	20.7	+	17.0	+
026	88	1.9	21.0	+	17.0	+
027	69	1.0	21.9	+	18.0	+
028	47	1.0	20.9	+	17.0	+
029	19	1.0	19.4	+	15.0	+
030	356	1.9	21.3	+	17.0	+
031	346	2.4	MISSING OR DAMAGED DOSIMETER			
032	340	3.0	22.7	+	19.0	+
033	8	4.6	22.3	+	19.0	+
034	17	4.7	23.2	+	19.0	+
035	45	11.	20.9	+	17.0	+
036	48	4.7	22.1	+	18.0	+
037	61	4.2	22.7	+	19.0	+
038	86	4.9	22.4	+	18.0	+
039	107	9.1	20.3	+	16.0	+
040	111	3.7	20.6	+	16.0	+

TRANSIT DOSE = 3.9 +- .3 ; 4.9

PRAIRIE ISLAND
FOR THE PERIOD 850913-860113

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
348.75-11.25 (N)	18.1 \pm .7	2
11.25-33.75 (NNE)	17.8 \pm 2.7	2
33.75-56.25 (NE)	17.6 \pm .7	3
56.25-78.75 (ENE)	18.8 \pm .8	2
78.75-101.25 (E)	18.0 \pm 1.0	2
101.25-123.75 (ESE)	16.8 \pm .2	3
123.75-146.25 (SE)	18.4 \pm 3.7	3
146.25-168.75 (SSE)	17.4 \pm 1.0	3
168.75-191.25 (S)	17.5 \pm 1.5	2
191.25-213.75 (SSW)	18.6 \pm 1.5	2
213.75-236.25 (SW)	17.2 \pm 2.4	3
236.25-258.75 (WSW)	17.6 \pm 1.2	2
258.75-281.25 (W)	17.3 \pm .8	2
281.25-303.75 (WNW)	16.7 \pm 1.1	2
303.75-326.25 (NW)	16.3 \pm 1.7	2
326.25-348.75 (NNW)	19.0 \pm 0.6	1

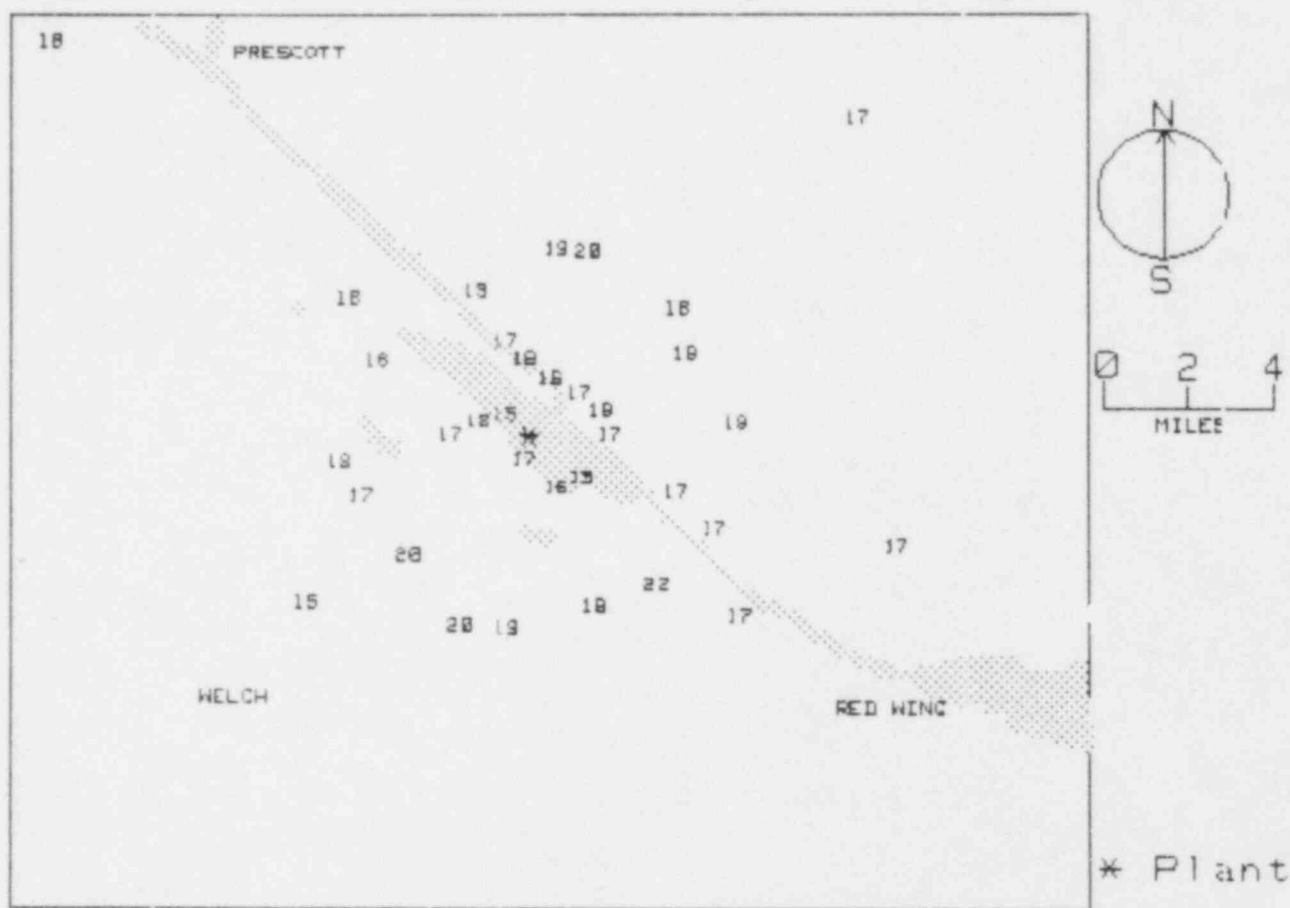
DISTANCE (mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
0-2	16.9 \pm 1.0	15
2-5	18.5 \pm 1.5	16
>5	16.8 \pm .9	5
UPWIND CONTROL DATA	17.8 \pm .2	3

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	.8	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

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



QUAD CITIES
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
 FOR THE PERIOD 850912-860108 119 DAYS
 FIELD TIME 93 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)		NET EXPOSURE RATE			
	AZIMUTH (deg.)	DIST (mi.)	+/-	Rdm; Tot.	mR/Std. Dtr.	+/- Rdm; Tot.		
001	7	0.7	18.7	+ .6	16.6	+ .6	5.0	
002	17	1.2	MISSING OR DAMAGED DOSIMETER					
003	45	1.7	16.7	+ .6	14.7	+ .6	4.0	
004	65	1.1	17.8	+ .6	15.7	+ .6	4.0	
005	90	0.8	18.8	+ .6	15.9	+ .6	4.0	
006	136	1.1	19.2	+ .6	17.1	+ .6	5.0	
007	175	1.8	19.8	+ .6	16.8	+ .6	5.0	
008	157	2.0	19.8	+ .6	17.4	+ .6	5.1	
009	186	3.1	18.8	+ .6	16.7	+ .6	5.0	
010	188	7.7	20.7	+ .6	20.6	+ .6	5.0	
011	156	4.2	19.8	+ .6	16.9	+ .6	5.0	
012	142	4.8	18.8	+ .6	16.7	+ .6	5.0	
013	121	3.3	18.7	+ .6	16.8	+ .6	5.0	
014	114	2.8	17.7	+ .6	15.8	+ .6	4.0	
015	86	2.8	19.5	+ .6	17.5	+ .6	5.1	
016	62	4.4	21.5	+ .6	19.5	+ .6	5.2	
017	48	6.1	18.1	+ .6	16.8	+ .6	4.0	
018	39	8.8	17.9	+ .6	15.8	+ .6	4.0	
019	36	4.7	17.8	+ .6	14.8	+ .6	4.0	
020	16	4.3	19.4	+ .6	17.6	+ .6	5.1	
021	358	4.2	20.5	+ .6	21.3	+ .6	5.4	
022	336	4.1	19.7	+ .6	17.8	+ .6	5.1	
023	337	5.7	19.4	+ .6	17.6	+ .6	5.1	
024	317	4.4	19.5	+ .6	17.4	+ .6	5.1	
025	295	4.1	18.2	+ .6	16.1	+ .6	5.0	
026	282	6.9	15.4	+ .6	13.4	+ .6	4.0	
027	265	4.3	18.8	+ .6	16.7	+ .6	5.0	
028	253	4.8	18.2	+ .6	16.1	+ .6	5.0	
029	356	2.8	18.8	+ .6	16.7	+ .6	5.0	
030	335	1.9	18.8	+ .6	15.9	+ .6	4.0	
031	317	2.6	18.9	+ .6	16.8	+ .6	5.0	
032	295	2.5	MISSING OR DAMAGED DOSIMETER					
033	266	2.8	18.8	+ .6	15.9	+ .6	4.0	
034	248	2.2	18.9	+ .6	16.8	+ .6	5.0	
035	229	2.6	17.7	+ .6	15.8	+ .6	4.0	
036	204	3.4	20.7	+ .6	18.5	+ .6	5.2	
037	194	8.3	18.8	+ .6	16.7	+ .6	5.0	
038	224	4.6	18.4	+ .6	16.5	+ .6	5.0	
039	301	15.	17.1	+ .6	15.8	+ .6	4.0	
040	301	15.	16.5	+ .6	14.5	+ .6	4.0	
041	301	15.	16.2	+ .6	14.2	+ .6	4.0	
TRANSIT DOSE =			1.5	+ .3	4.0			

QUAD CITIES
FOR THE PERIOD 850912-860108

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std. Dev.	# IN GROUP
348.75-11.25 (N)	18.2 \pm 2.7	3
11.25-33.75 (NNE)	17.3 \pm 0.0	1
33.75-56.25 (NE)	15.3 \pm .8	4
56.25-78.75 (ENE)	17.5 \pm 2.5	2
78.75-101.25 (E)	16.6 \pm 1.0	2
101.25-123.75 (ESE)	16.1 \pm .7	2
123.75-146.25 (SE)	16.9 \pm .3	2
146.25-168.75 (SSE)	17.2 \pm .4	2
168.75-191.25 (S)	18.9 \pm 3.0	3
191.25-213.75 (SSW)	17.6 \pm 1.3	2
213.75-236.25 (SW)	16.0 \pm .5	2
236.25-258.75 (WSW)	16.5 \pm .5	2
258.75-281.25 (W)	16.3 \pm .5	2
281.25-303.75 (WNW)	14.7 \pm 1.9	2
303.75-326.25 (NW)	17.1 \pm .4	2
326.25-348.75 (NNW)	16.9 \pm .9	3

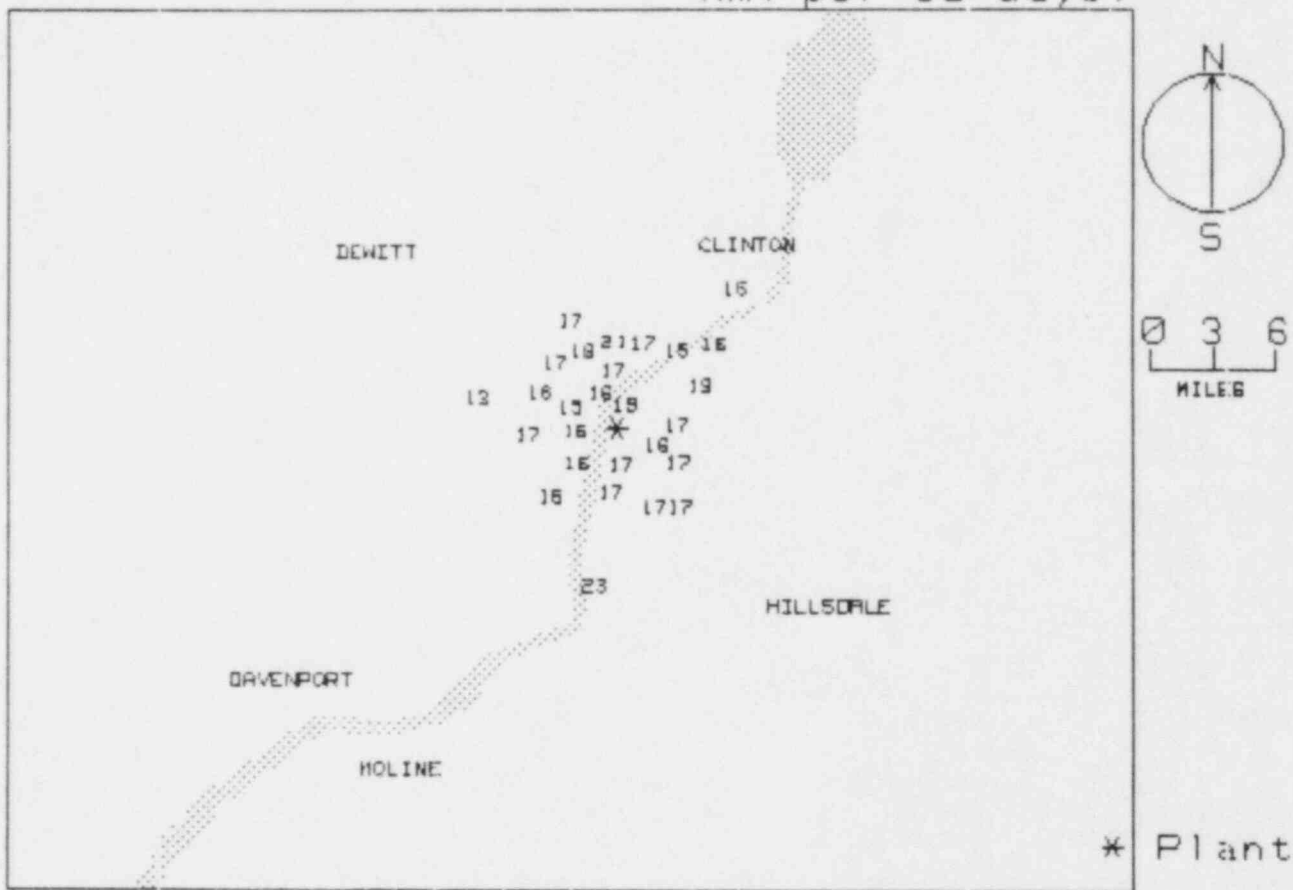
DISTANCE(mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std. Dev.	# IN GROUP
0-2	16.2 \pm .8	10
2-5	17.1 \pm 1.4	20
>5	17.1 \pm 3.3	6
UPWIND CONTROL DATA	14.6 \pm .4	3

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	188	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)

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



RANCHO SECO
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
 FOR THE PERIOD 850910-860122 135 DAYS
 FIELD TIME 92 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE(mR)			NET EXPOSURE RATE				
	AZIMUTH/DIST (deg.) (mi.)		+ - Rdm; Tot.			mR/Std. Qtr. + - Rdm; Tot.				
001	288	16.	22.5	+-	.7	0.4	17.1	+-	.6	6.3
002	239	12.	24.2	+-	.7	0.6	18.7	+-	.6	6.4
003	213	16.	24.9	+-	.7	0.7	19.4	+-	.6	6.5
004	149	9.9	21.4	+-	.6	0.2	16.0	+-	.7	6.2
005	168	8.2	28.3	+-	.6	4.2	22.0	+-	.9	6.8
006	86	18.	21.2	+-	.6	0.2	15.8	+-	.7	6.2
007	83	9.7	19.7	+-	.6	0.9	14.4	+-	.7	6.1
008	37	7.1	28.2	+-	.6	0.9	14.9	+-	.7	6.1
009	65	8.8	21.4	+-	.6	0.2	16.0	+-	.7	6.2
010	43	8.7	23.0	+-	.7	0.4	17.6	+-	.6	6.3
011	92	8.2	22.5	+-	.7	0.4	17.1	+-	.6	6.3
012	131	1.6	19.3	+-	.6	2.9	14.0	+-	.7	6.0
013	358	8.6	23.4	+-	.7	0.5	17.9	+-	.6	6.3
014	323	8.7	22.1	+-	.7	0.3	16.7	+-	.7	6.2
015	151	8.7	MISSING OR DAMAGED DOSIMETER							
016	219	8.9	22.0	+-	.7	0.3	16.6	+-	.7	6.2
017	245	1.5	21.4	+-	.6	0.2	16.0	+-	.7	6.2
018	254	2.0	21.1	+-	.6	0.2	15.7	+-	.7	6.2
019	323	7.6	22.4	+-	.7	0.4	17.0	+-	.6	6.3
020	309	6.3	28.3	+-	.6	0.9	15.0	+-	.7	6.1
021	279	5.7	21.1	+-	.6	0.2	15.7	+-	.7	6.2
022	244	6.4	23.0	+-	.7	0.4	17.6	+-	.6	6.3
023	217	4.6	21.0	+-	.6	0.1	15.6	+-	.7	6.2
024	358	11.	22.0	+-	.7	0.3	16.6	+-	.7	6.2
025	318	17.	22.0	+-	.7	0.3	16.6	+-	.7	6.2
026	311	22.	22.5	+-	.7	0.4	17.1	+-	.6	6.3
027	386	27.	28.7	+-	.6	0.1	15.3	+-	.7	6.1
028	386	27.	21.1	+-	.6	0.2	15.7	+-	.7	6.2
029	386	27.	24.4	+-	.7	0.7	18.9	+-	.6	6.4
030	386	27.	24.3	+-	.7	0.6	18.9	+-	.6	6.4
TRANSIT DOSE = 5.0 +- .4 ; 5.5										

RANCHO SECO
FOR THE PERIOD 850910-860122

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
348.75-11.25 (N)	17.3 \pm .9	2
11.25-33.75 (NNE)	NO DATA+-NO DATA	0
33.75-56.25 (NE)	16.2 \pm 1.9	2
56.25-78.75 (ENE)	16.0 \pm 0.0	1
78.75-101.25 (E)	15.8 \pm 1.4	3
101.25-123.75 (ESE)	22.8 \pm 0.0	1
123.75-146.25 (SE)	14.0 \pm 0.0	1
146.25-168.75 (SSE)	16.0 \pm 0.0	1
168.75-191.25 (S)	NO DATA+-NO DATA	0
191.25-213.75 (SSW)	19.4 \pm 0.0	1
213.75-236.25 (SW)	16.1 \pm .7	2
236.25-258.75 (WSW)	17.0 \pm 1.4	4
258.75-281.25 (W)	15.7 \pm 0.0	1
281.25-303.75 (WNW)	17.1 \pm 0.0	1
303.75-326.25 (NW)	17.2 \pm 1.5	6
326.25-348.75 (NNW)	NO DATA+-NO DATA	0

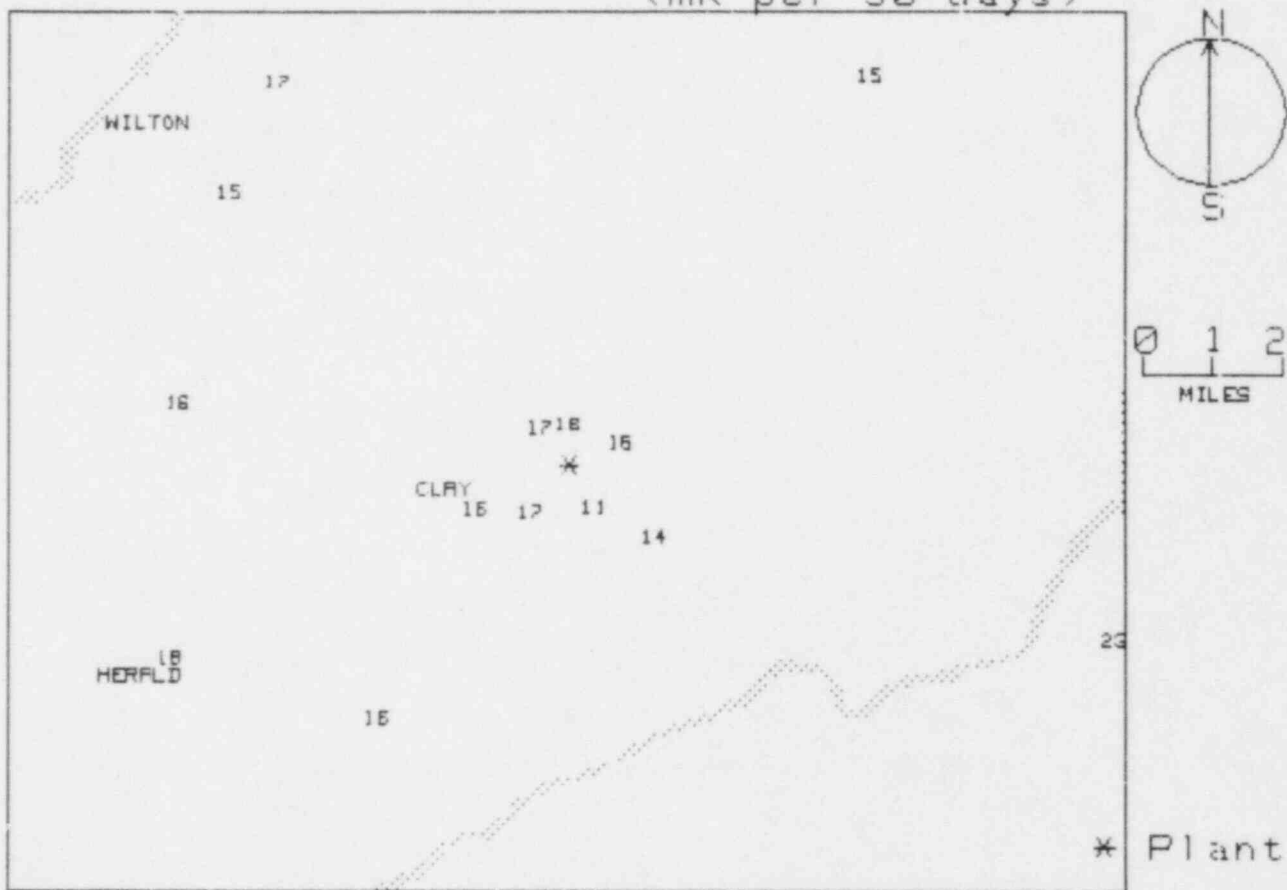
DISTANCE(mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
0-2	16.5 \pm 1.2	8
2-5	15.7 \pm .1	2
>5	17.2 \pm 2.1	16
UPWIND CONTROL DATA	16.0 \pm 1.0	3

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

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



RIVER BEND
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
 FOR THE PERIOD 850911-860113 125 DAYS
 FIELD TIME 92 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)		NET EXPOSURE RATE	
	AZIMUTH (deg.)	DIST (mi.)	+ Rdm	- Tot.	mR/Std. Dtr.	+ Rdm; Tot.
001	348	1.3	21.0	+-	18.0	+-
002	42	1.1	20.5	+-	17.0	+-
003	61	1.1	21.0	+-	17.0	+-
004	98	0.0	20.3	+-	16.0	+-
005	107	0.6	21.9	+-	18.0	+-
006	136	0.0	21.3	+-	17.0	+-
007	166	1.0	18.9	+-	14.0	+-
008	182	0.9	19.9	+-	15.0	+-
009	195	0.6	19.7	+-	14.0	+-
010	223	0.7	20.0	+-	14.0	+-
011	234	0.4	19.6	+-	14.0	+-
012	276	0.6	21.0	+-	14.0	+-
013	295	0.6	22.2	+-	18.0	+-
014	320	0.9	21.9	+-	18.0	+-
015	332	2.1	22.4	+-	18.0	+-
016	312	2.7	20.6	+-	17.0	+-
017	302	3.1	18.1	+-	14.0	+-
018	278	3.0	17.0	+-	14.0	+-
019	243	2.0	22.6	+-	19.0	+-
020	195	1.4	20.7	+-	17.0	+-
021	215	3.0	21.1	+-	17.0	+-
022	233	7.1	16.5	+-	13.0	+-
023	246	9.7	20.4	+-	16.0	+-
024	234	7.3	17.4	+-	13.0	+-
025	185	7.6	MISSING OR DAMAGED DOSIMETER			
026	322	7.7	18.0	+-	15.0	+-
027	328	10.	20.2	+-	16.0	+-
028	340	7.2	21.0	+-	18.0	+-
029	354	9.5	20.6	+-	17.0	+-
030	360	5.1	20.6	+-	17.0	+-
031	221	6.9	21.3	+-	17.0	+-
032	40	4.9	19.1	+-	15.0	+-
033	52	0.7	18.3	+-	14.0	+-
034	65	0.4	19.4	+-	15.0	+-
035	87	6.6	18.2	+-	14.0	+-
036	326	5.0	20.6	+-	17.0	+-
037	329	2.2	20.1	+-	16.0	+-
038	111	3.0	21.4	+-	17.0	+-
039	131	5.6	20.1	+-	16.0	+-
040	155	6.2	20.5	+-	16.0	+-
041	120	9.0	21.2	+-	17.0	+-
042	121	11.	17.7	+-	14.0	+-
043	180	1.1	20.7	+-	17.0	+-
044	150	20.	17.6	+-	14.0	+-
TRANSIT DOSE =	3.2 +- .3		4.8			

RIVER BEND
FOR THE PERIOD 850911-860113

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std. Dev.	# IN GROUP
348.75-11.25 (N)	17.0 \pm .0	2
11.25-33.75 (NNE)	NO DATA+-NO DATA	0
33.75-56.25 (NE)	15.8 \pm 1.1	3
56.25-78.75 (ENE)	16.7 \pm 1.1	2
78.75-101.25 (E)	15.7 \pm 1.4	2
101.25-123.75 (ESE)	17.0 \pm 1.9	4
123.75-146.25 (SE)	17.1 \pm .9	2
146.25-168.75 (SSE)	16.2 \pm 1.1	2
168.75-191.25 (S)	16.4 \pm 1.0	2
191.25-213.75 (SSW)	16.7 \pm .7	2
213.75-236.25 (SW)	15.7 \pm 2.2	5
236.25-258.75 (WSW)	17.3 \pm 1.5	3
258.75-281.25 (W)	15.9 \pm 2.2	2
281.25-303.75 (WNW)	16.6 \pm 2.8	2
303.75-326.25 (NW)	16.9 \pm 1.2	4
326.25-348.75 (NNW)	17.7 \pm 1.0	5

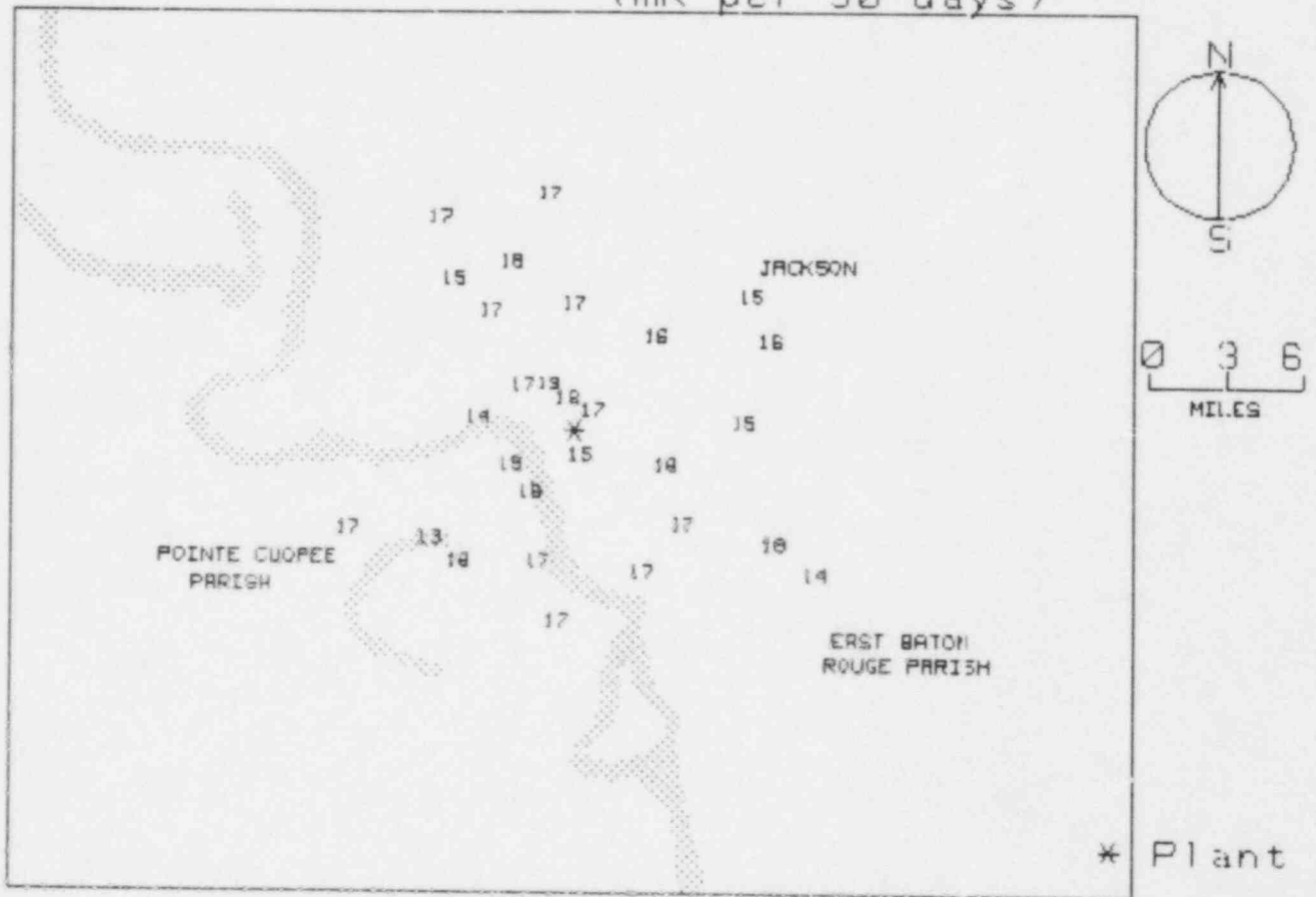
DISTANCE(mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std. Dev.	# IN GROUP
0-2	17.1 \pm 1.0	15
2-5	16.8 \pm 1.8	8
>5	16.2 \pm 1.4	19
UPWIND CONTROL DATA	14.1 \pm 0.0	1

RIVER BEND

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING LOCATIONS

STATION	DIST(mi.)	DIR	DESCRIPTION
1	1.3	348	BEHIND TRAINING CENTER
2	1.1	42	500' FROM TOM'S KITCHEN
3	1.1	61	POWELL STATION RD
4	.8	90	0.6 MI WEST, RT 61 & 7
5	.6	107	POWELL STATION RD.
6	.8	136	SOUTH OF POWELL STATION RD
7	1.0	166	NORTH OF POWELL STATION RD
8	.9	182	ADJACENT TO GATE 23
9	.6	195	UTILITY POLE NO 10178
10	.7	225	LA 965 ON WEST SIDE
11	.4	254	3RD UTILITY POLE
12	.6	276	N-1 & GATES 13 & 14
13	.6	295	BEHIND VISITOR CENTER
14	.9	320	LEET'S RESIDENCE
15	2.1	332	JCT OF LA 61 & 965
16	2.7	312	FELICIANA HOSPITAL
17	3.1	302	ST. FRANCISVILLE BANK
18	3.8	278	N. OF ST. FRAN. FERRY LDG
19	2.8	242	A WHITE HOUSE ON HWY 981
20	5.4	195	LA 414 & 415
21	3.0	215	TRUCK ENT. OF BIG CAJUN
22	7.1	233	POINTE COURT HOUSE
23	9.7	246	LA HWY 1 & LA HWY 10
24	7.3	234	LA 413 & LA 414
25	7.6	185	LA 415 & LA 416
26	7.7	322	LA 66 & SOLITUDE RD
27	10.1	328	LA 968 & LA 66
28	7.2	340	LA 61 & LA 66
29	5.5	354	LA 61 & LA 421
30	5.1	360	LA 10 & BRAINS RD
31	6.9	221	LA 965 & AUDIBON
32	4.9	40	LA 965 & LA 966
33	8.7	52	JACKSON TOWN HALL
34	8.4	65	LA 68 & DIXON C.
35	6.6	87	GULF STATES UTI.
36	5.8	326	US 61 & WF 2
37	22.0	329	END OF LA 66
38	3.8	111	US 61 & LA 954
39	5.6	131	US 61 & LA 68
40	6.2	155	RD. 3004 & 3113
41	9.0	120	LA 3004 & 964
42	11.0	121	ZACHARY HIGH SCHOOL
43	1.1	180	2.2 MI FROM US 61
44	28.0	150	AM. ST. & ST. CHARLES

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



ROBINSON
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
 FOR THE PERIOD 850917-860122 128 DAYS
 FIELD TIME 102 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)		NET EXPOSURE RATE			
	AZIMUTH (deg.)	DIST (mi.)	+/-	Rdm; Tot.	mR/Std. Qtr. +/-	Rdm; Tot.		
001	191	0.2	17.1	+- .5	14.2	+- .5	4.6	
002	151	1.9	25.3	+- .5	21.4	+- .5	5.9	
003	134	2.0	20.0	+- .5	17.5	+- .5	4.4	
004	119	1.9	17.3	+- .5	14.4	+- .5	4.6	
005	89	2.1	21.7	+- .5	18.3	+- .5	4.9	
006	65	1.0	18.9	+- .5	15.0	+- .5	4.4	
007	46	1.0	20.5	+- .5	17.2	+- .5	4.6	
008	27	1.9	21.0	+- .5	18.4	+- .5	4.9	
009	22	3.5	MISSING OR DAMAGED DOSIMETER					
010	0	5.0	21.5	+- .5	18.1	+- .5	4.9	
011	51	4.0	22.7	+- .5	19.1	+- .5	5.0	
012	67	4.1	17.6	+- .5	14.6	+- .5	4.4	
013	87	4.5	18.5	+- .5	15.4	+- .5	4.4	
014	109	5.0	19.0	+- .5	15.9	+- .5	4.4	
015	110	4.0	21.6	+- .5	18.2	+- .5	4.9	
016	130	5.3	20.3	+- .5	17.0	+- .5	4.4	
017	115	17.7	17.6	+- .5	14.7	+- .5	4.4	
018	199	13.7	19.5	+- .5	16.4	+- .5	4.4	
019	200	4.0	29.3	+- .5	25.4	+- .5	5.5	
020	225	4.0	22.6	+- .5	19.1	+- .5	5.0	
021	170	4.6	15.9	+- .5	13.1	+- .5	4.4	
022	167	3.7	20.2	+- .5	16.9	+- .5	4.4	
023	101	2.3	18.5	+- .5	15.5	+- .5	4.4	
024	194	2.0	23.4	+- .5	19.0	+- .5	5.1	
025	220	2.1	21.9	+- .5	18.0	+- .5	4.4	
026	245	1.5	18.0	+- .5	15.0	+- .5	4.4	
027	273	1.0	16.0	+- .5	13.0	+- .5	4.4	
028	207	2.0	16.0	+- .5	13.0	+- .5	4.4	
029	011	1.0	21.6	+- .5	18.0	+- .5	4.4	
030	034	1.9	20.7	+- .5	17.4	+- .5	4.4	
031	053	1.0	18.2	+- .5	15.0	+- .5	4.4	
032	033	4.0	21.9	+- .5	18.0	+- .5	4.4	
033	010	4.7	20.0	+- .5	17.0	+- .5	4.4	
034	010	6.9	26.6	+- .5	22.0	+- .5	5.9	
035	295	4.0	21.3	+- .5	17.9	+- .5	4.4	
036	269	4.0	20.0	+- .5	17.0	+- .5	5.4	
037	252	4.6	18.1	+- .5	15.1	+- .5	4.4	
038	274	11.7	19.5	+- .5	16.3	+- .5	4.4	
039	206	15.7	17.6	+- .5	14.6	+- .5	4.4	
040	209	16.7	16.9	+- .5	14.9	+- .5	4.4	
041	291	17.7	18.0	+- .5	15.7	+- .5	4.4	
TRANSIT DOSE =		1.0	+- .3	;	4.5			

ROBINSON
FOR THE PERIOD 850917-860122

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
348.75-11.25 (N)	16.6 \pm 2.1	2
11.25-33.75 (NNE)	18.4 \pm 0.0	1
33.75-56.25 (NE)	18.2 \pm 1.4	2
56.25-78.75 (ENE)	15.2 \pm .8	2
78.75-101.25 (E)	16.8 \pm 2.0	2
101.25-123.75 (ESE)	15.8 \pm 1.7	4
123.75-146.25 (SE)	17.3 \pm .3	2
146.25-168.75 (SSE)	19.2 \pm 3.2	2
168.75-191.25 (S)	14.3 \pm 1.2	3
191.25-213.75 (SSW)	20.4 \pm 4.4	3
213.75-236.25 (SW)	18.8 \pm .4	2
236.25-258.75 (WSW)	15.1 \pm .1	2
258.75-281.25 (W)	18.0 \pm 5.2	3
281.25-303.75 (WNW)	15.6 \pm 3.3	2
303.75-326.25 (NW)	19.4 \pm 2.8	3
326.25-348.75 (NNW)	17.9 \pm .7	2

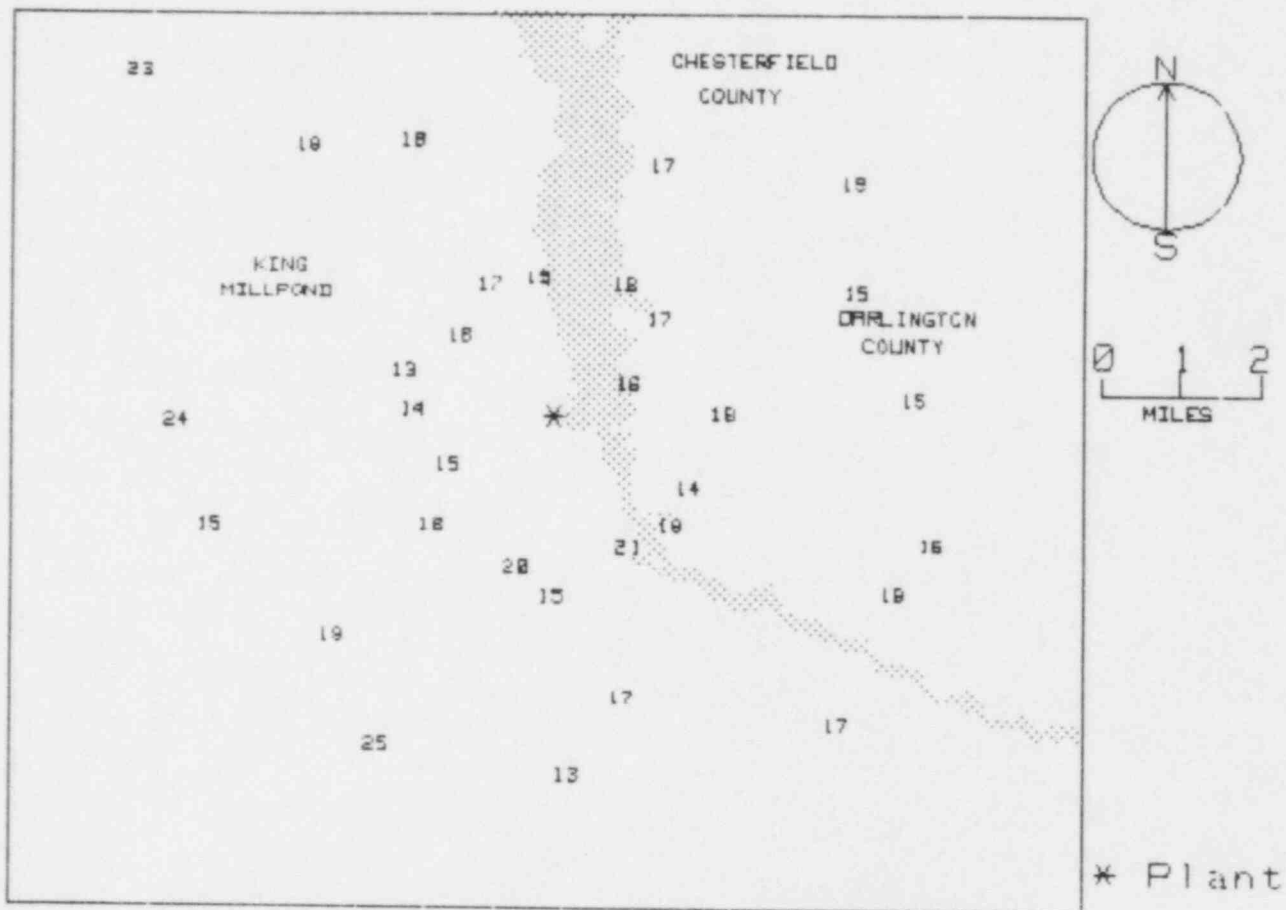
DISTANCE(mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
0-2	16.5 \pm 2.4	14
2-5	17.8 \pm 2.9	18
>5	17.4 \pm 3.0	5
UPWIND CONTROL DATA	14.8 \pm .9	3

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. 324 (0.4 MILES N. OF RT. 39)
5	2.1	89	RT. 324 (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	13.0	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	11.0	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)

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



SALEM
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
 FOR THE PERIOD 850919-860113 117 DAYS
 FIELD TIME 99 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)			NET EXPOSURE RATE		
	AZIMUTH (deg.)	DIST (mi.)	+ Rdm	Tot.		mR/Std. Otr.	+ Rdm; Tot.	
017	331	4.2	23.0	+.7	0.0	19.0	+.7	5.1
018	329	3.0	16.0	+.5	0.0	14.1	+.5	4.7
019	329	3.4	21.0	+.6	0.0	17.9	+.6	5.0
020	329	3.0	26.0	+.8	0.0	22.0	+.8	5.4
021	276	3.0	25.0	+.7	0.0	22.1	+.7	5.4
022	276	4.7	24.0	+.7	0.0	21.1	+.7	5.3
023	277	4.4	23.0	+.7	0.0	20.5	+.7	5.3
024	49	4.4	24.0	+.7	0.0	20.0	+.7	5.3
025	217	4.9	24.0	+.7	0.0	21.0	+.7	5.3
026	204	3.9	21.7	+.6	0.0	18.0	+.6	5.0
027	188	4.2	20.0	+.6	0.0	14.0	+.6	5.0
028	319	3.9	24.7	+.7	0.0	21.0	+.7	5.3
029	355	2.7	18.0	+.5	0.0	15.4	+.5	4.8
030	353	1.1	18.0	+.5	0.0	15.7	+.5	4.8
031	0	0	20.7	+.6	0.0	17.7	+.6	5.0
032	338	1.1	20.0	+.6	0.0	17.1	+.6	4.9
033	265	3.0	21.0	+.7	0.0	18.6	+.7	5.0
034	270	4.4	21.0	+.6	0.0	18.5	+.6	5.0
TRANSIT DOSE =			1.2	+.3	4.5			

COMMENTS:

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

SALEM
FOR THE PERIOD 850919-860113

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std. Dev.	# IN GROUP
348.75-11.25 (N)	NO DATA+-NO DATA	0
11.25-33.75 (NNE)	NO DATA+-NO DATA	0
33.75-56.25 (NE)	NO DATA+-NO DATA	0
56.25-78.75 (ENE)	NO DATA+-NO DATA	0
78.75-101.25 (E)	NO DATA+-NO DATA	0
101.25-123.75 (ESE)	NO DATA+-NO DATA	0
123.75-146.25 (SE)	NO DATA+-NO DATA	0
146.25-168.75 (SSE)	NO DATA+-NO DATA	0
168.75-191.25 (S)	24.6 \pm 0.0	1
191.25-213.75 (SSW)	18.6 \pm 0.0	1
213.75-236.25 (SW)	21.0 \pm 0.0	1
236.25-258.75 (WSW)	20.6 \pm .1	2
258.75-281.25 (W)	19.2 \pm 2.6	5
281.25-303.75 (WNW)	17.9 \pm 0.0	1
303.75-326.25 (NW)	14.1 \pm 0.0	1
326.25-348.75 (NNW)	19.9 \pm 2.9	3

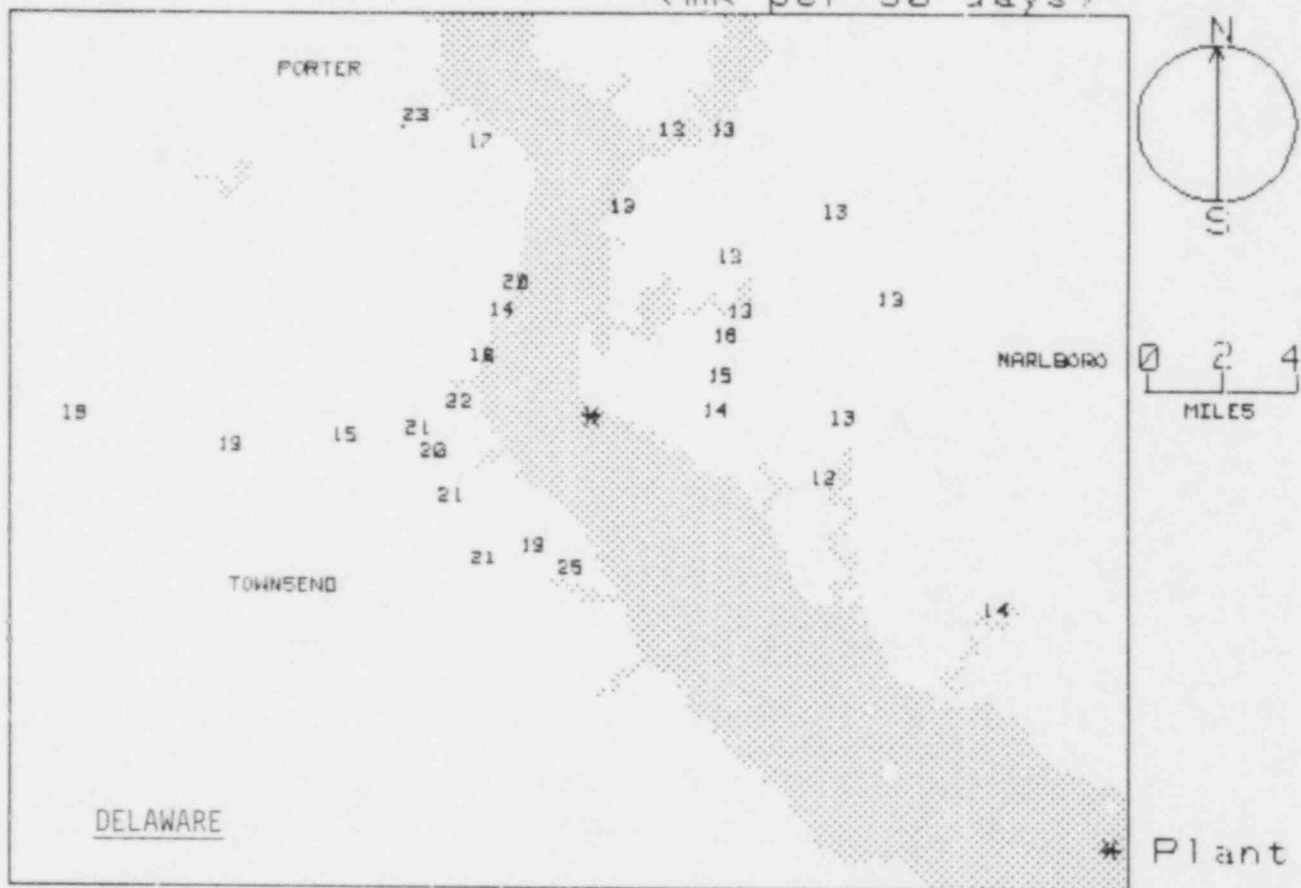
DISTANCE (mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std. Dev.	# IN GROUP
0-2	NO DATA+-NO DATA	0
2-5	20.0 \pm 2.8	10
>5	18.5 \pm 2.7	5
UPWIND CONTROL DATA	18.2 \pm 2.8	3

SALEM

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING LOCATIONS

STATION	DIST(mi.)	DIR	DESCRIPTION
1	3.3	87	ALLOWAY CREEK NECK ROAD
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	12.0	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	9.5	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 (MIDLETOWN)
34	14.0	270	SMYRNA(DEL)

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



SALEM
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
 FOR THE PERIOD 850919-860113 117 DAYS
 FIELD TIME 99 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)		NET EXPOSURE RATE		
	AZIMUTH (deg.)	DIST (mi.)	+ Rdm; Tot.		mR/Std. Dtr. + Rdm; Tot.		
001	87	3.3	17.1 +- .5	2.6	14.6 +- .5	4.8	
002	79	3.4	16.0 +- .5	2.4	13.6 +- .5	4.7	
003	72	3.6	18.7 +- .6	2.8	15.4 +- .6	4.9	
004	58	4.2	MISSING OR DAMAGED DOSIMETER				
005	54	4.9	15.9 +- .5	2.4	13.9 +- .5	4.7	
006	68	8.6	15.9 +- .5	2.4	13.9 +- .5	4.7	
007	48	5.7	16.1 +- .5	2.4	13.7 +- .5	4.8	
008	116	12.	16.9 +- .5	2.5	14.4 +- .5	4.8	
010	8	5.8	16.0 +- .5	2.4	13.6 +- .5	4.7	
011	15	8.1	16.2 +- .5	2.4	13.8 +- .5	4.8	
012	24	8.6	16.5 +- .5	2.4	14.1 +- .5	4.8	
013	49	8.6	15.7 +- .5	2.0	13.7 +- .5	4.7	
014	98	8.7	15.0 +- .5	2.4	12.6 +- .5	4.7	
015	105	8.4	15.0 +- .5	2.3	12.7 +- .5	4.7	
TRANSIT DOSE =			1.7 +- .3			4.6	

COMMENTS:

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

SALEM
FOR THE PERIOD 850919-860113

A-211

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std. Dev.	# IN GROUP
348.75-11.25 (N)	13.0 \pm 0.0	1
11.25-33.75 (NNE)	13.3 \pm .2	2
33.75-56.25 (NE)	12.9 \pm .2	3
56.25-78.75 (ENE)	14.2 \pm 1.8	2
78.75-101.25 (E)	13.3 \pm .6	3
101.25-123.75 (ESE)	12.9 \pm 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

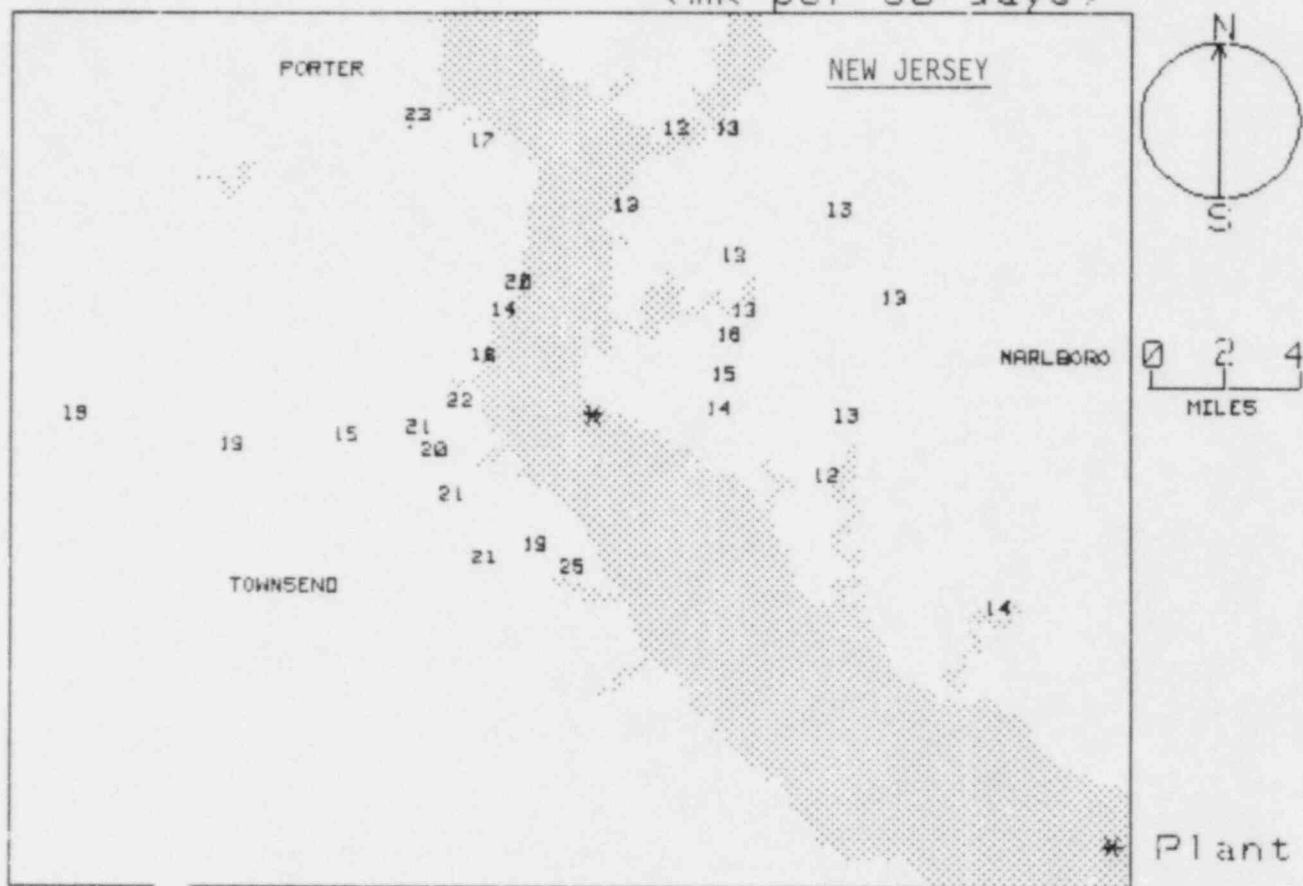
DISTANCE (mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std. Dev.	# IN GROUP
0-2	NO DATA+-NO DATA	0
2-5	13.8 \pm 1.2	4
>5	13.0 \pm .5	9
UPWIND CONTROL DATA	NO DATA	NO DATA

SALEM

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING LOCATIONS

STATION	DIST(mi.)	DIR	DESCRIPTION
1	3.3	87	ALLOWAY CREEK NECK ROAD
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 JERICO RD.
7	5.7	40	LOCUST ISLAND ROAD
8	12.0	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	9.5	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	14.0	270	SMYRNA(DEL)

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



SAN ONOFRE
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
 FOR THE PERIOD 850910-860122 135 DAYS
 FIELD TIME 102 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)			NET EXPOSURE RATE				
	AZIMUTH (deg.)	DIST (mi.)	+ -	Rdm; Tot.		mR/Std. Qtr. + -	Rdm; Tot.			
001	346	35.	30.2	+-	.9	4.5	22.0	+-	.9	6.6
002	346	35.	30.8	+-	.9	4.6	22.5	+-	.9	6.6
003	346	35.	32.1	+-	1.0	4.0	23.7	+-	.9	6.8
004	327	11.	23.7	+-	.7	3.3	16.2	+-	.7	6.1
005	308	14.	26.3	+-	.8	3.9	18.5	+-	.8	6.3
006	307	10.	25.0	+-	.8	3.8	17.4	+-	.8	6.2
007	318	6.3	24.6	+-	.7	3.7	17.0	+-	.7	6.2
008	322	5.1	26.4	+-	.8	4.0	18.6	+-	.8	6.3
009	311	3.3	23.4	+-	.7	3.3	16.0	+-	.7	6.1
010	331	3.3	27.2	+-	.8	4.1	19.3	+-	.8	6.4
011	300	2.6	MISSING OR DAMAGED DOSIMETER							
012	285	0.5	30.9	+-	.9	4.6	22.6	+-	.9	6.7
013	320	2.4	24.2	+-	.7	3.6	16.6	+-	.7	6.2
014	320	1.7	26.2	+-	.8	3.9	18.4	+-	.8	6.3
015	333	1.2	MISSING OR DAMAGED DOSIMETER							
016	30	1.9	27.6	+-	.8	4.1	19.6	+-	.8	6.4
017	8	1.3	22.1	+-	.7	3.3	14.8	+-	.7	6.0
018	39/	2.7	MISSING OR DAMAGED DOSIMETER							
019	55	2.9	24.7	+-	.7	3.7	17.1	+-	.7	6.2
020	77	4.1	27.7	+-	.8	4.1	19.7	+-	.8	6.4
021	87	4.7	27.0	+-	.8	4.1	19.2	+-	.8	6.4
022	25	3.4	29.7	+-	.9	4.4	21.5	+-	.9	6.6
023	357	3.5	28.8	+-	.9	4.3	20.7	+-	.8	6.5
024	25	0.4	25.5	+-	.8	3.8	17.8	+-	.8	6.2
025	81	0.4	22.3	+-	.7	3.3	15.0	+-	.7	6.0
026	126	2.1	21.2	+-	.6	3.2	14.0	+-	.7	6.0
027	130	0.6	22.7	+-	.7	3.4	15.4	+-	.7	6.1
028	99	0.9	23.4	+-	.7	3.5	16.0	+-	.7	6.1
029	135	11.	21.9	+-	.7	3.3	14.7	+-	.7	6.0
030	126	2.0	19.3	+-	.6	2.9	12.4	+-	.6	5.8
031	128	3.7	18.0	+-	.5	2.7	11.2	+-	.6	5.8
032	140	22.	MISSING OR DAMAGED DOSIMETER							
033	120	26.	21.0	+-	.6	3.1	13.8	+-	.7	5.9
TRANSIT DOSE = 5.3 +- .4 ; 6.0										

SAN ONOFRE
FOR THE PERIOD 850910-860122

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
348.75-11.25 (N)	17.8 \pm 4.1	2
11.25-33.75 (NNE)	19.7 \pm 1.8	3
33.75-56.25 (NE)	17.1 \pm 0.0	1
56.25-78.75 (ENE)	19.7 \pm 0.0	1
78.75-101.25 (E)	16.7 \pm 2.2	3
101.25-123.75 (ESE)	13.8 \pm 0.0	1
123.75-146.25 (SE)	13.5 \pm 1.7	5
146.25-168.75 (SSE)	NO DATA \pm NO DATA	0
168.75-191.25 (S)	NO DATA \pm NO DATA	0
191.25-213.75 (SSW)	NO DATA \pm NO DATA	0
213.75-236.25 (SW)	NO DATA \pm NO DATA	0
236.25-258.75 (WSW)	NO DATA \pm NO DATA	0
258.75-281.25 (W)	NO DATA \pm NO DATA	0
281.25-303.75 (WNW)	22.6 \pm 0.0	1
303.75-326.25 (NW)	17.5 \pm 1.0	7
326.25-348.75 (NNW)	17.7 \pm 2.2	2

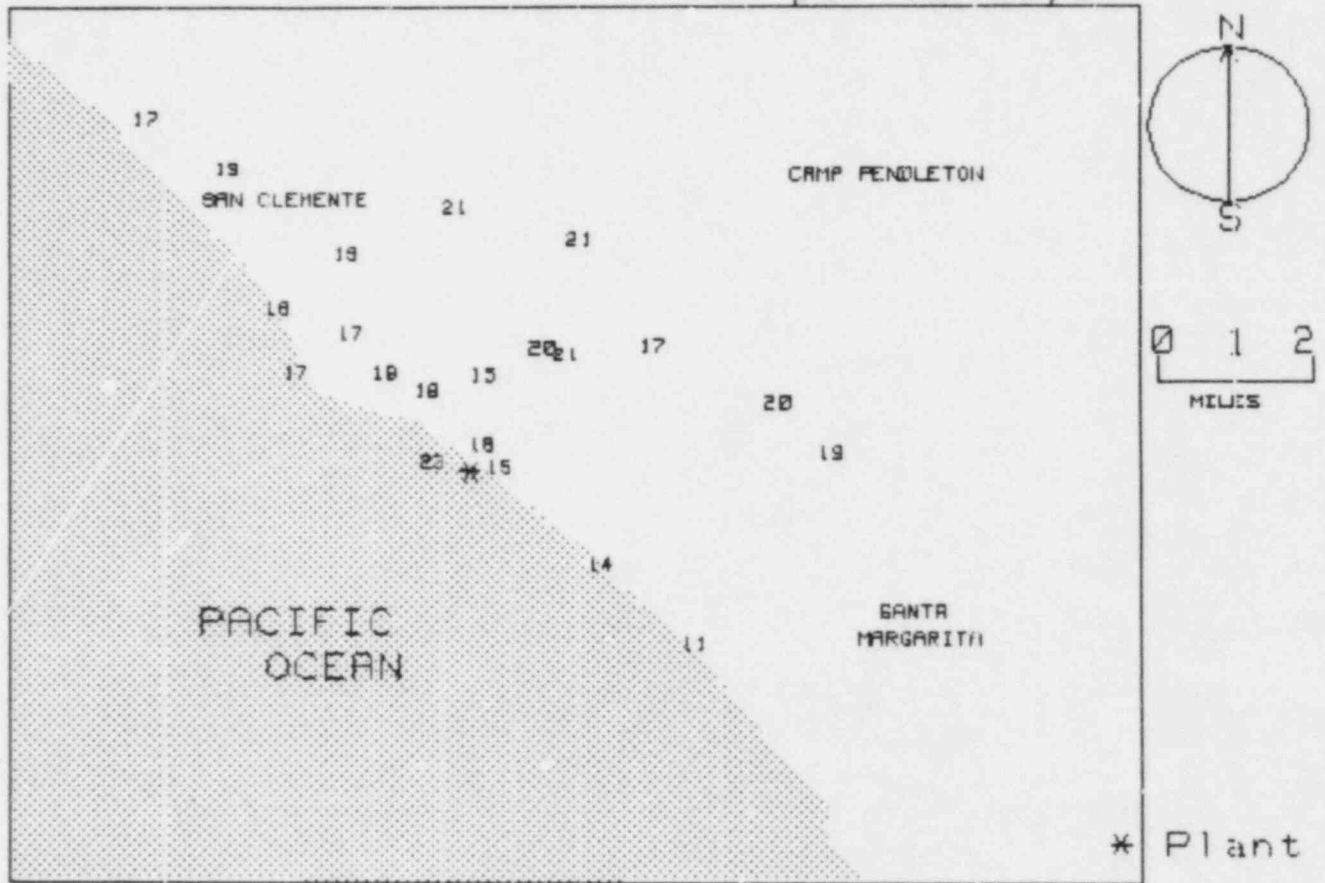
DISTANCE (mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
0-2	17.2 \pm 3.4	7
2-5	17.5 \pm 3.2	10
>5	16.4 \pm 1.6	9
UPWIND CONTROL DATA	22.7 \pm .9	3

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.
18	2.0	39	CAMP SAN ONOFRE FIRE STATION
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

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



SEABROOK
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
 FOR THE PERIOD 850918-860108 113 DAYS
 FIELD TIME 99 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE(mR)				NET EXPOSURE RATE		
	AZIMUTH (deg.)	DIST (mi.)	+ Rdm	Tot.			mR/Std. Qtr. + Rdm	Tot.	
001	157	0.7	20.6	+- .6	3.1	18.7	+- .6	4.5	
002	179	.7	19.8	+- .6	3.0	18.8	+- .6	4.4	
003	199	0.7	19.1	+- .6	3.0	17.3	+- .6	4.4	
004	223	.9	21.4	+- .6	3.0	19.4	+- .6	4.6	
005	244	1.2	20.2	+- .6	3.0	18.3	+- .6	4.5	
006	293	1.0	19.8	+- .6	3.0	18.8	+- .6	4.4	
007	275	0.5	19.3	+- .6	3.0	17.5	+- .6	4.4	
008	317	2.0	21.3	+- .6	3.0	19.4	+- .6	4.6	
009	331	1.0	21.0	+- .7	3.0	19.0	+- .6	4.6	
010	358	1.9	20.1	+- .6	3.0	18.2	+- .6	4.5	
011	20	2.6	20.1	+- .6	3.0	18.2	+- .6	4.5	
012	50	2.1	18.5	+- .6	3.0	16.0	+- .6	4.3	
013	82	1.7	21.0	+- .6	3.0	19.0	+- .6	4.5	
014	43	4.1	20.0	+- .6	3.0	18.9	+- .6	4.5	
015	0	4.0	21.0	+- .6	3.0	19.0	+- .6	4.6	
016	20	12.	21.3	+- .6	3.0	19.3	+- .6	4.6	
017	322	7.0	21.9	+- .7	3.0	19.9	+- .6	4.6	
018	292	0.9	20.9	+- .6	3.0	19.0	+- .6	4.5	
019	269	0.9	21.1	+- .6	3.0	19.0	+- .6	4.5	
020	253	4.2	22.0	+- .7	3.4	20.7	+- .7	4.7	
021	232	4.7	21.0	+- .6	3.0	19.1	+- .6	4.5	
022	213	0.1	23.2	+- .7	3.0	21.0	+- .7	4.7	
023	189	0.6	21.7	+- .6	3.0	19.7	+- .6	4.6	
024	166	7.2	18.0	+- .6	3.0	17.1	+- .6	4.4	
025	177	4.1	19.9	+- .6	3.0	18.0	+- .6	4.4	
026	159	4.0	19.4	+- .6	3.0	17.8	+- .6	4.4	
027	138	2.4	19.5	+- .6	3.0	17.7	+- .6	4.4	
028	117	4.4	18.5	+- .6	3.0	16.8	+- .6	4.3	
030	66	2.1	20.4	+- .6	3.0	18.5	+- .6	4.5	
031	336	5.4	21.2	+- .6	3.2	19.3	+- .6	4.6	
032	237	19.	MISSING OR DAMAGED DOSIMETER						
033	237	19.	20.4	+- .6	3.1	18.5	+- .6	4.5	
034	237	19.	21.2	+- .6	3.2	19.3	+- .6	4.6	
035	237	19.	25.6	+- .8	3.8	23.3	+- .7	5.0	
TRANSIT DOSE =			0.0	+- .2	3.9				

SEABROOK
FOR THE PERIOD 850918-860108

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
348.75-11.25 (N)	18.8 \pm 1.0	2
11.25-33.75 (NNE)	18.8 \pm .8	2
33.75-56.25 (NE)	17.8 \pm 1.5	2
56.25-78.75 (ENE)	18.5 \pm 0.0	1
78.75-101.25 (E)	19.0 \pm 0.0	1
101.25-123.75 (ESE)	16.8 \pm 0.0	1
123.75-146.25 (SE)	17.7 \pm 0.0	1
146.25-168.75 (SSE)	17.8 \pm .8	3
168.75-191.25 (S)	18.6 \pm 1.0	3
191.25-213.75 (SSW)	19.2 \pm 2.6	2
213.75-236.25 (SW)	19.3 \pm .2	2
236.25-258.75 (WSW)	20.8 \pm 2.5	3
258.75-281.25 (W)	18.3 \pm 1.2	2
281.25-303.75 (WNW)	18.5 \pm .7	2
303.75-326.25 (NW)	19.6 \pm .4	2
326.25-348.75 (NNW)	19.5 \pm .4	2

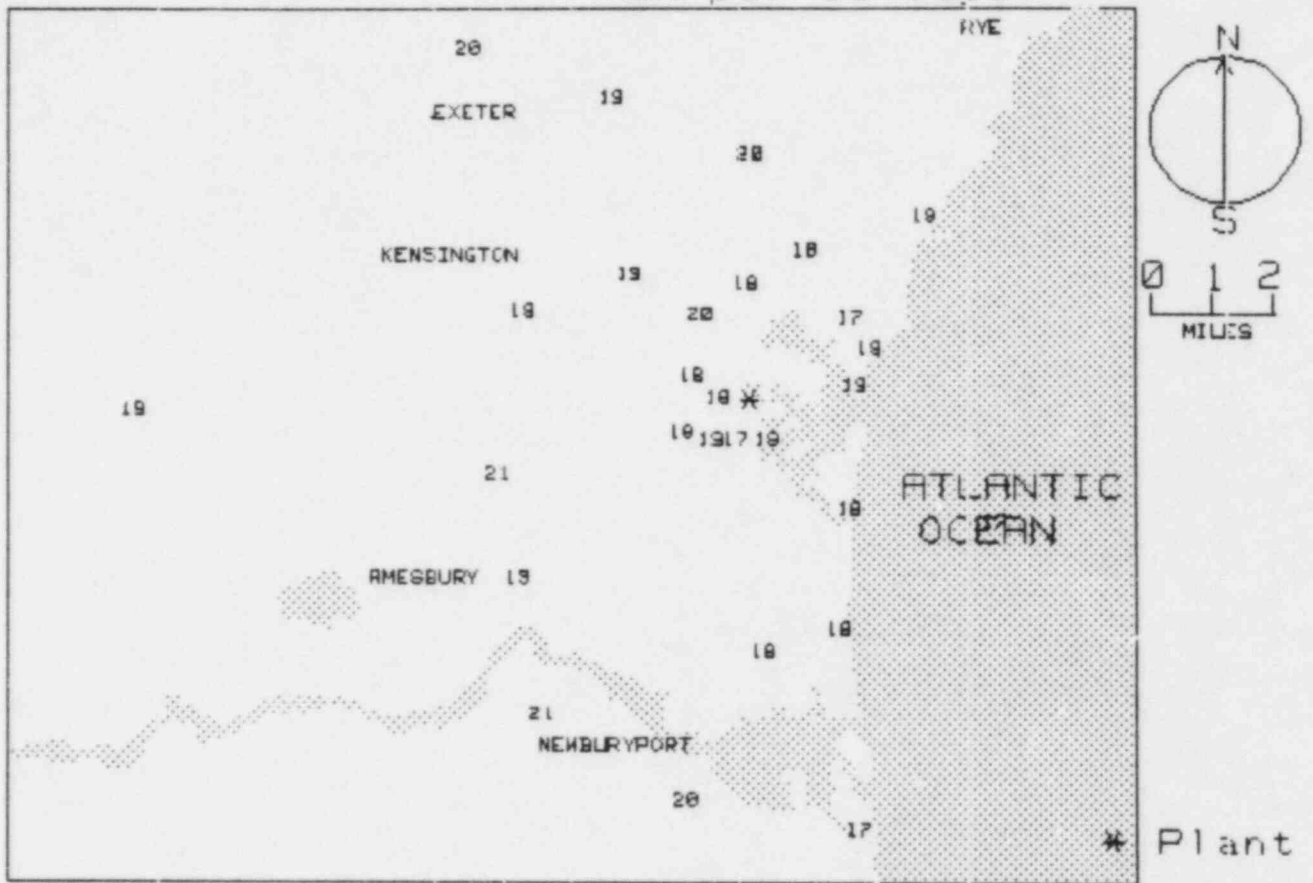
DISTANCE(mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
0-2	18.4 \pm .8	10
2-5	18.5 \pm 1.1	13
>5	19.8 \pm 1.8	8
UPWIND CONTROL DATA	18.9 \pm .5	2

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. CONGREGATIONAL 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	19.0	237	NESTVIEW CEMETARY
33	19.0	237	LAWRENCE(MASS.)
34	19.0	237	LAWRENCE(MASS.)
35	19.0	237	LAWRENCE (MASS.)

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



SEQUOYAH
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
 FOR THE PERIOD 850917-860115 121 DAYS
 FIELD TIME 106 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)		NET EXPOSURE RATE	
	AZIMUTH (deg.)	DIST (mi.)	+ Rdm;	Tot.	mR/Std. Qtr. + Rdm;	Tot.
001	218	12.	19.8	+	16.8	4.4
002	206	13.	16.7	+	14.7	4.4
003	203	3.9	23.4	+	19.4	4.4
004	199	2.0	19.6	+	16.6	4.4
005	181	1.4	24.5	+	20.5	4.4
006	153	1.5	18.1	+	15.1	4.4
007	139	1.9	17.3	+	14.3	4.4
008	115	1.0	18.2	+	15.2	4.4
009	84	1.6	15.3	+	12.3	4.4
010	66	1.3	18.5	+	15.5	4.4
011	45	1.5	19.3	+	16.3	4.4
012	14	2.0	22.0	+	18.0	4.4
013	2.0	2.1	22.0	+	18.0	4.4
014	19	0.9	17.6	+	14.6	4.4
015	48	4.0	16.6	+	13.6	4.4
016	65	4.9	18.4	+	15.4	4.4
017	90	3.9	20.9	+	17.9	4.4
018	111	3.4	19.1	+	16.1	4.4
019	135	3.4	19.4	+	16.4	4.4
020	158	3.4	15.9	+	12.9	4.4
021	184	4.6	22.9	+	19.9	4.4
022	233	11.	16.6	+	13.6	4.4
023	219	4.9	MISSING OR DAMAGED DOSIMETER		14.1	4.4
024	241	4.3	18.0	+	15.0	4.4
025	235	2.0	14.9	+	11.9	4.4
026	248	1.5	18.1	+	15.1	4.4
027	266	1.2	17.5	+	14.5	4.4
028	291	1.2	17.4	+	14.4	4.4
029	309	1.2	17.9	+	14.9	4.4
030	338	0.5	19.5	+	16.5	4.4
031	339	1.0	19.5	+	16.5	4.4
032	355	4.9	16.0	+	13.0	4.4
033	334	3.6	17.6	+	14.6	4.4
034	317	4.4	15.2	+	12.2	4.4
035	277	5.6	19.5	+	16.5	4.4
036	283	3.6	17.1	+	14.1	4.4
037	273	4.4	18.0	+	15.0	4.4
038	302	19.	16.7	+	13.7	4.4
039	298	18.	19.2	+	16.2	4.4
040	289	18.	17.0	+	14.0	4.4
041	318	6.1	18.2	+	15.2	4.4
TRANSIT DOSE =	0.0	+-	.3	;	4.3	

SEQUOYAH
FOR THE PERIOD 850917-860115

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std. Dev.	# IN GROUP
348.75-11.25 (N)	16.5 \pm 3.1	2
11.25-33.75 (NNE)	16.8 \pm 2.7	2
33.75-56.25 (NE)	15.2 \pm 1.6	2
56.25-78.75 (ENE)	15.6 \pm .1	2
78.75-101.25 (E)	15.3 \pm 3.3	2
101.25-123.75 (ESE)	15.8 \pm .5	2
123.75-146.25 (SE)	15.6 \pm 1.3	2
146.25-168.75 (SSE)	14.4 \pm 1.4	2
168.75-191.25 (S)	20.1 \pm 1.0	2
191.25-213.75 (SSW)	16.9 \pm 2.9	3
213.75-236.25 (SW)	14.5 \pm 2.1	3
236.25-258.75 (WSW)	15.6 \pm .4	2
258.75-281.25 (W)	15.5 \pm .9	3
281.25-303.75 (WNW)	14.6 \pm .2	2
303.75-326.25 (NW)	14.5 \pm 1.4	3
326.25-348.75 (NNW)	16.0 \pm .9	3

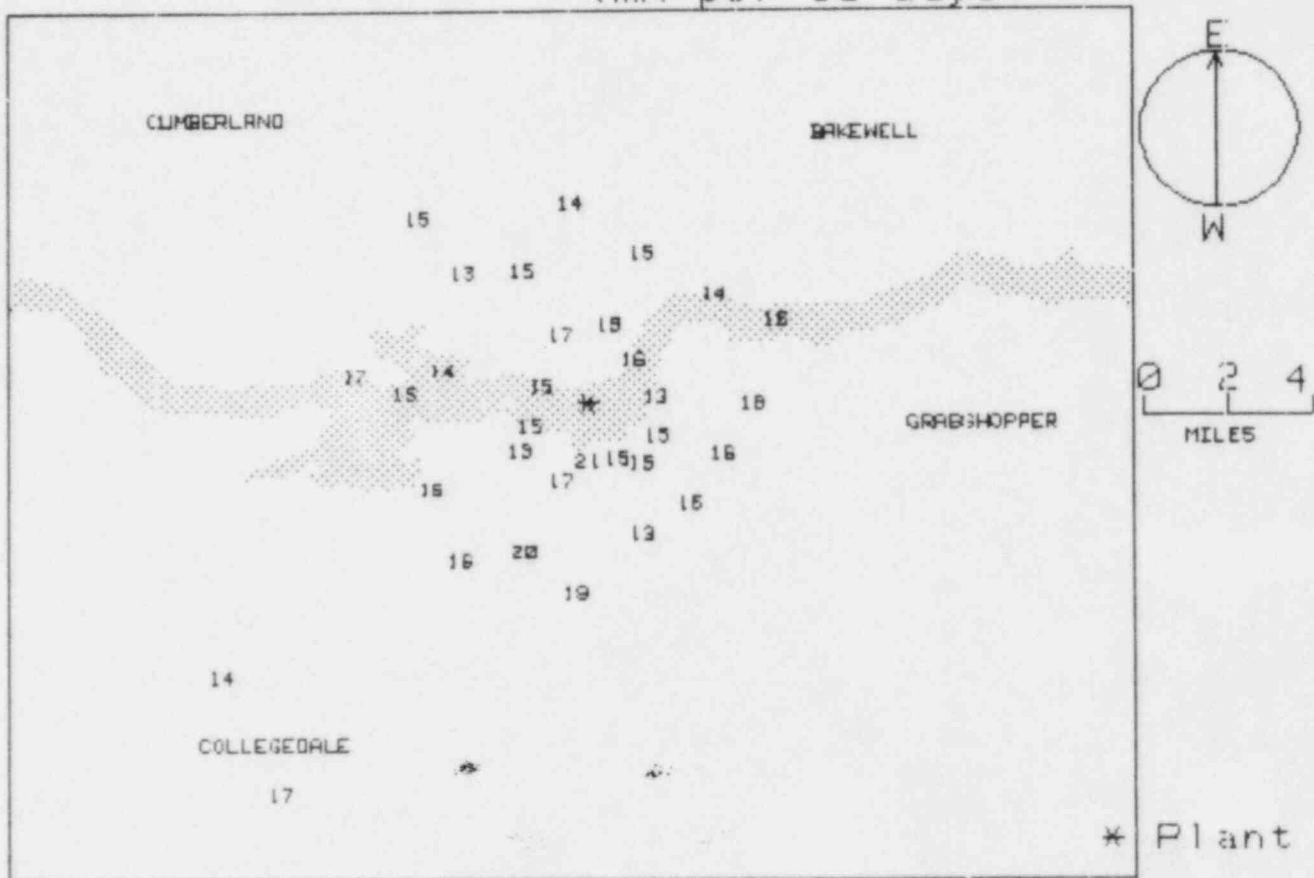
DISTANCE(mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std. Dev.	# IN GROUP
0-2	15.8 \pm 2.0	16
2-5	15.9 \pm 2.1	16
>5	15.4 \pm 1.3	5
UPWIND CONTROL DATA	14.9 \pm 1.1	3

SEQUOYAH

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING LOCATIONS

STATION	DIST(mi.)	DIR	DESCRIPTION
1	12.0	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	66	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	3RD UTILITY POLE, HWY 58
22	11.0	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	HIKSON PIKE & IGOU FERRY RD.
28	1.2	291	HIKSON 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

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



SHOREHAM
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
 FOR THE PERIOD 850917-860122 128 DAYS
 FIELD TIME 98 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE(mR)		NET EXPOSURE RATE		
	AZIMUTH/DIST (deg.) (mi.)		+ Rdm; Tot.		mR/Std. Dtr. + Rdm; Tot.		
001	262	10	17.7 +- .5	2.6	14.2 +- .6	5.0	
002	268	4.4	19.3 +- .5	2.6	15.7 +- .6	5.1	
003	256	3.2	17.7 +- .5	2.6	14.2 +- .6	5.0	
004	268	2.1	18.8 +- .5	2.6	15.2 +- .6	5.1	
005	243	1.7	18.7 +- .5	2.6	15.1 +- .6	5.1	
007	136	1.5	22.5 +- .7	2.6	18.6 +- .7	5.4	
008	116	0.9	21.5 +- .6	2.6	17.7 +- .7	5.3	
009	91	0.8	MISSING OR DAMAGED DOSIMETER				
010	73	0.7	17.8 +- .5	2.6	14.3 +- .6	5.0	
011	62	0.7	17.3 +- .5	2.6	13.8 +- .6	5.0	
012	75	1.6	17.8 +- .5	2.6	14.3 +- .6	5.0	
013	88	2.1	19.1 +- .5	2.6	15.5 +- .6	5.1	
014	119	4.6	17.4 +- .5	2.6	13.9 +- .6	5.0	
015	110	10.	19.2 +- .5	2.6	15.6 +- .6	5.1	
016	138	14.	17.5 +- .5	2.6	14.8 +- .6	5.0	
017	162	12.	18.2 +- .5	2.6	14.7 +- .6	5.0	
018	174	11.	17.8 +- .5	2.6	13.5 +- .6	5.0	
019	189	5.1	18.8 +- .5	2.6	14.7 +- .6	5.0	
021	163	2.3	16.9 +- .5	2.6	13.5 +- .6	5.0	
022	149	1.5	18.4 +- .5	2.6	14.9 +- .6	5.1	
023	177	1.3	19.8 +- .5	2.6	16.1 +- .6	5.1	
024	196	1.2	17.8 +- .5	2.6	14.3 +- .6	5.0	
025	217	1.5	17.8 +- .5	2.6	14.3 +- .6	5.0	
026	215	4.6	16.3 +- .5	2.6	12.9 +- .6	4.9	
027	205	4.2	18.5 +- .5	2.6	15.8 +- .6	5.1	
028	233	11.	17.5 +- .5	2.6	14.8 +- .6	5.0	
029	224	13.	17.4 +- .5	2.6	13.9 +- .6	5.0	
030	202	14.	MISSING OR DAMAGED DOSIMETER				
031	210	15.	17.2 +- .5	2.6	13.8 +- .6	5.0	
032	210	15.	18.3 +- .5	2.6	14.8 +- .6	5.0	
033	210	15.	17.4 +- .5	2.6	13.9 +- .6	5.0	
034	27	.2	19.2 +- .5	2.6	15.6 +- .6	5.1	
035	50	.3	19.6 +- .5	2.6	16.8 +- .6	5.1	
036	133	3.9	19.5 +- .5	2.6	15.8 +- .6	5.1	
TRANSIT DOSE =			2.2 +- .3	; 4.8			

SHOREHAM
FOR THE PERIOD 850917-860122

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std. Dev.	# IN GROUP
348.75-11.25 (N)	NO DATA+-NO DATA	0
11.25-33.75 (NNE)	15.6 \pm 0.0	1
33.75-56.25 (NE)	16.0 \pm 0.0	1
56.25-78.75 (ENE)	14.1 \pm .3	3
78.75-101.25 (E)	15.5 \pm 0.0	1
101.25-123.75 (ESE)	15.7 \pm 1.0	3
123.75-146.25 (SE)	16.1 \pm 2.3	3
146.25-168.75 (SSE)	14.3 \pm .7	3
168.75-191.25 (S)	14.7 \pm 1.3	3
191.25-213.75 (SSW)	14.6 \pm .5	2
213.75-236.25 (SW)	13.8 \pm .6	4
236.25-258.75 (WSW)	14.7 \pm .6	2
258.75-281.25 (W)	15.0 \pm .8	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

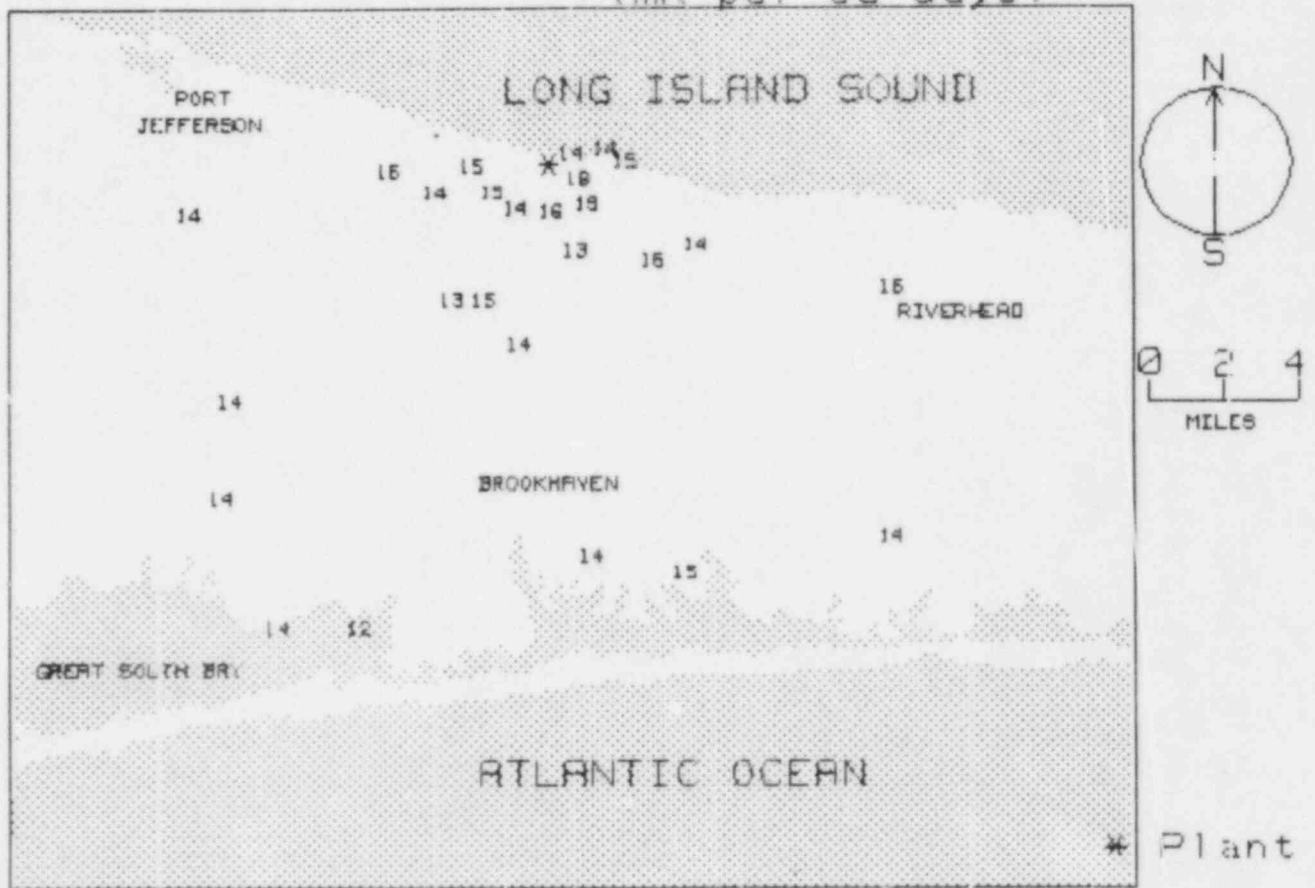
DISTANCE(mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std. Dev.	# IN GROUP
0-2	15.4 \pm 1.5	12
2-5	14.6 \pm 1.0	9
>5	14.3 \pm .6	8
UPWIND CONTROL DATA	14.1 \pm .5	3

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	91	PONDVIEW RD.
10	.7	73	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	12.0	162	CENTER MORICHES
18	11.0	174	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	13.0	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

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



ST. LUCIE
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
 FOR THE PERIOD 850916-860113 120 DAYS
 FIELD TIME 96 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)		NET EXPOSURE RATE			
	AZIMUTH/DIST (deg.) (mi.)		+ Rdm; Tot.		mR/Std. Qtr. + Rdm; Tot.			
001	20	0.3	17.9	+- .5	15.3	+- .6	4.9	
002	45	0.2	19.4	+- .5	16.7	+- .6	5.0	
003	67	0.2	17.2	+- .5	14.6	+- .6	4.8	
004	92	0.3	15.9	+- .5	13.4	+- .6	4.7	
005	115	0.4	15.8	+- .5	13.4	+- .6	4.7	
006	143	1.1	15.5	+- .5	13.1	+- .6	4.7	
007	150	2.0	14.3	+- .4	11.9	+- .5	4.6	
008	154	4.7	15.9	+- .5	13.4	+- .6	4.7	
009	152	23.7	15.9	+- .5	13.4	+- .6	4.7	
010	152	23.7	15.4	+- .5	13.0	+- .6	4.7	
011	152	23.7	16.6	+- .5	14.1	+- .6	4.8	
012	168	14.	16.1	+- .5	13.6	+- .6	4.8	
013	185	10.	17.3	+- .5	14.8	+- .6	4.8	
014	183	11.	18.5	+- .5	15.9	+- .6	4.9	
015	170	0.0	18.5	+- .5	15.9	+- .6	4.9	
016	196	7.0	17.0	+- .5	14.5	+- .6	4.8	
017	229	7.9	15.4	+- .5	12.9	+- .5	4.7	
018	250	6.6	14.6	+- .4	12.2	+- .5	4.7	
019	247	4.8	15.4	+- .5	12.9	+- .5	4.7	
020	229	5.0	15.8	+- .5	13.3	+- .5	4.7	
021	200	3.8	MISSING OR DAMAGED DOSIMETER					
022	167	3.8	15.7	+- .5	13.2	+- .5	4.7	
023	203	2.6	15.4	+- .5	13.0	+- .5	4.7	
024	245	1.9	15.0	+- .4	12.6	+- .5	4.7	
025	280	2.2	15.7	+- .5	13.2	+- .5	4.7	
026	299	3.1	16.6	+- .5	14.1	+- .5	4.8	
027	305	3.8	14.9	+- .4	12.5	+- .5	4.7	
028	276	4.0	14.2	+- .4	11.9	+- .5	4.6	
029	293	5.0	14.6	+- .4	12.2	+- .5	4.7	
030	316	7.7	23.5	+- .7	20.5	+- .7	5.3	
032	300	11.	15.6	+- .5	13.1	+- .5	4.7	
033	322	8.7	16.6	+- .5	14.1	+- .5	4.8	
034	339	0.8	16.3	+- .5	13.8	+- .5	4.8	
035	342	2.9	15.2	+- .5	12.8	+- .5	4.7	
036	346	1.9	15.1	+- .5	12.6	+- .5	4.7	
037	353	1.0	15.0	+- .5	12.6	+- .5	4.7	
038	226	2.0	15.2	+- .5	12.7	+- .5	4.7	
TRANSIT DOSE = 1.6 +- .3 ; 4.5								

ST. LUCIE
FOR THE PERIOD 850916-860113

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
348.75-11.25 (N)	12.6 \pm 0.0	1
11.25-33.75 (NNE)	15.3 \pm 0.0	1
33.75-56.25 (NE)	16.7 \pm 0.0	1
56.25-78.75 (ENE)	14.8 \pm 0.0	1
78.75-101.25 (E)	13.4 \pm 0.0	1
101.25-123.75 (ESE)	13.4 \pm 0.0	1
123.75-146.25 (SE)	13.1 \pm 0.0	1
146.25-168.75 (SSE)	13.0 \pm .9	3
168.75-191.25 (S)	14.9 \pm 1.3	4
191.25-213.75 (SSW)	13.7 \pm 1.1	2
213.75-236.25 (SW)	13.0 \pm .3	3
236.25-258.75 (WSW)	12.6 \pm .4	3
258.75-281.25 (W)	12.5 \pm 1.0	2
281.25-303.75 (WNW)	13.1 \pm .9	3
303.75-326.25 (NW)	15.7 \pm 4.2	3
326.25-348.75 (NNW)	13.1 \pm .6	3

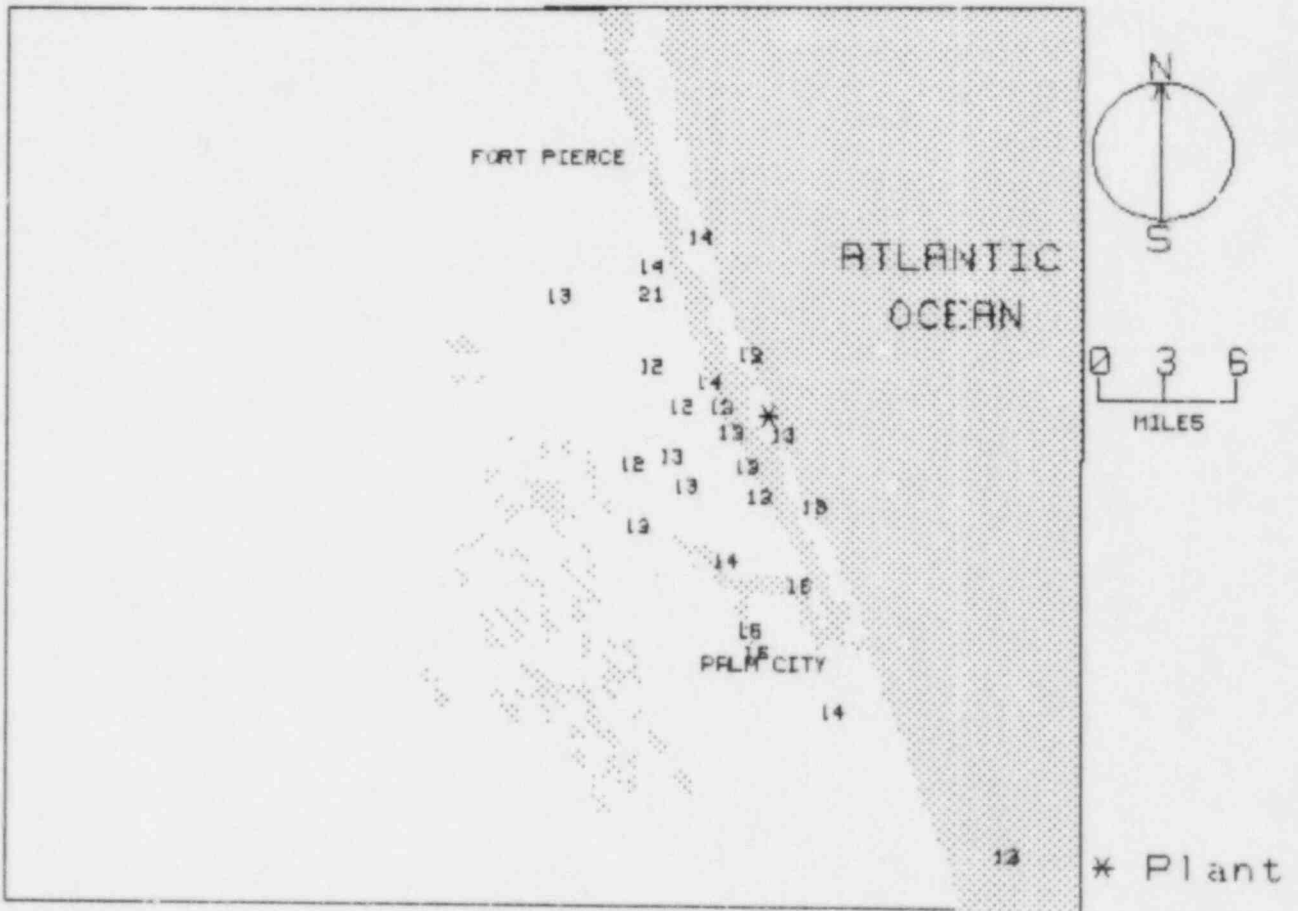
DISTANCE(mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
0-2	13.5 \pm 1.4	11
2-5	13.0 \pm .6	10
>5	14.5 \pm 2.3	12
UPWIND CONTROL DATA	13.5 \pm .6	3

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	23.0	152	HOBE SOUND
10	23.0	152	HOBE SOUND
11	23.0	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	11.0	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

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



SUMMER
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
 FOR THE PERIOD 850917-860122 128 DAYS
 FIELD TIME 92 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)		NET EXPOSURE RATE	
	AZIMUTH/ (deg.)	DIST (mi.)	+ - Rdm; Tot.		mR/Std. Qtr. + - Rdm; Tot.	
001	199	0.7	26.5	+- .8	22.1	+- .8
002	111	1.0	22.0	+- .7	18.0	+- .7
003	340	4.1	29.2	+- .9	24.7	+- .9
004	192	9.3	24.7	+- .7	20.4	+- .8
005	72	1.0	20.0	+- .9	14.3	+- .9
006	54	1.5	25.7	+- .8	21.4	+- .8
007	46	0.0	22.7	+- 1.0	20.2	+- 1.0
008	31	0.0	20.1	+- .9	15.5	+- .9
009	13	0.0	22.4	+- 1.0	17.9	+- 1.0
010	7	4.0	24.5	+- 1.0	19.0	+- 1.1
011	349	4.0	24.7	+- .7	20.0	+- .7
012	323	0.0	27.5	+- .8	23.1	+- .8
013	333	0.0	20.7	+- .9	16.0	+- .9
014	255	0.0	22.4	+- .7	18.1	+- .7
015	300	0.0	20.7	+- .9	15.3	+- .9
016	64	0.0	24.7	+- .7	20.3	+- .7
017	90	0.0	20.9	+- .9	14.5	+- .9
018	114	0.0	27.3	+- .8	22.9	+- .8
019	132	0.0	24.3	+- .7	19.0	+- .8
020	152	4.4	17.2	+- .5	13.1	+- .6
021	133	4.4	20.4	+- .6	16.1	+- .7
022	157	0.0	23.7	+- .7	19.4	+- .8
023	173	0.0	24.5	+- .7	20.2	+- .8
024	185	0.0	23.9	+- .7	19.6	+- .8
025	210	0.0	23.6	+- .7	19.3	+- .8
026	217	0.0	23.4	+- .7	19.1	+- .8
027	231	0.0	19.2	+- .6	15.0	+- .7
028	267	0.0	26.1	+- .8	21.0	+- .8
029	276	0.0	28.4	+- .9	24.0	+- .9
030	293	0.0	MISSING OR DAMAGED DOSIMETER			
031	244	0.0	MISSING OR DAMAGED DOSIMETER			
032	247	6.2	27.0	+- .8	22.6	+- .9
033	218	9.0	24.3	+- .7	20.0	+- .8
034	192	9.3	25.5	+- .8	21.2	+- .8
035	184	14.	20.6	+- .6	16.0	+- .7
036	183	15'	20.8	+- .6	16.6	+- .7
037	182	15'	20.9	+- .6	16.6	+- .7
038	148	21'	23.2	+- .7	18.9	+- .8
039	147	25.	27.5	+- .8	23.1	+- .9
040	135	23.	23.0	+- .7	19.5	+- .8
TRANSIT DOSE =			3.9	+- .3		6.1
						5.1

SUMMER
FOR THE PERIOD 850917-860122

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std. Dev.	# IN GROUP
348.75-11.25 (N)	25.1 \pm 8.8	2
11.25-33.75 (NNE)	25.3 \pm 2.4	3
33.75-56.25 (NE)	24.8 \pm 4.8	2
56.25-78.75 (ENE)	22.3 \pm 2.8	2
78.75-101.25 (E)	24.5 \pm 8.0	1
101.25-123.75 (ESE)	20.5 \pm 3.5	2
123.75-146.25 (SE)	18.5 \pm 2.1	3
146.25-168.75 (SSE)	17.1 \pm 3.5	3
168.75-191.25 (S)	19.9 \pm .4	2
191.25-213.75 (SSW)	20.8 \pm 1.2	4
213.75-236.25 (SW)	18.0 \pm 2.7	3
236.25-258.75 (WSW)	20.3 \pm 3.2	2
258.75-281.25 (W)	22.9 \pm 1.6	2
281.25-303.75 (WNW)	NO DATA+-NO DATA	0
303.75-326.25 (NW)	24.7 \pm 2.2	2
326.25-348.75 (NNW)	25.5 \pm 1.1	2

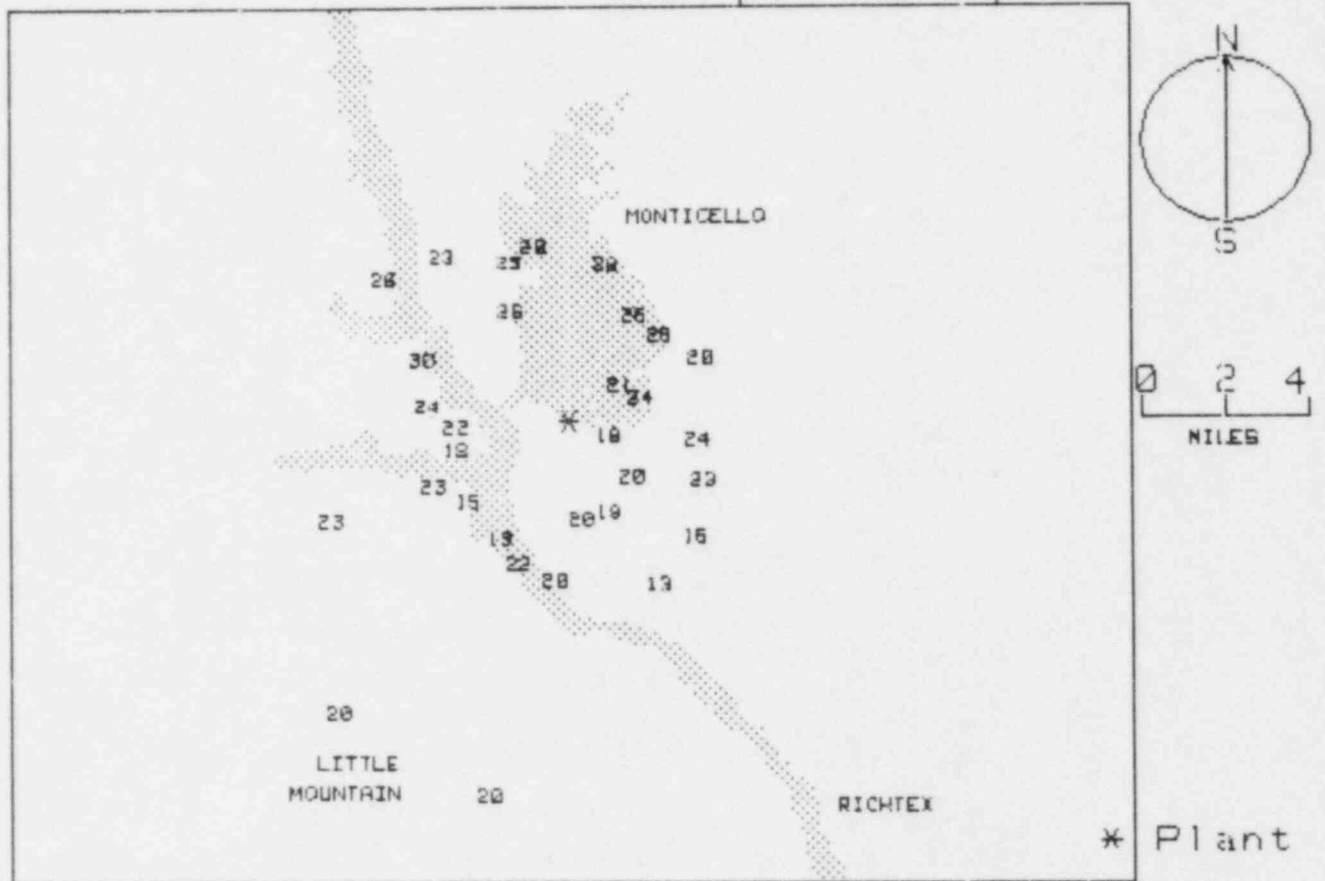
DISTANCE(mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std. Dev.	# IN GROUP
0-2	20.9 \pm 2.7	4
2-5	21.8 \pm 4.3	23
>5	21.5 \pm 2.4	8
UPWIND CONTROL DATA	16.5 \pm .2	3

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 (0.7 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	15.0	183	RT. 270 (0.5 MILES S. OF PUTNAM RD.)
37	15.0	182	RT. 270 & RT. 1254
38	21.0	148	MAJIK MARKET
39	25.0	14	S.C. DEPT. OF HEALTH
40	23.0	135	RT. 321 & BUCKNER ST.

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



SURRY
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
 FOR THE PERIOD 850917-860123 129 DAYS
 FIELD TIME 90 DAYS

NRC STATION	LOCATION		GROSS		NET EXPOSURE RATE	
	AZIMUTH/DIST (deg.) (mi.)		EXPOSURE (mR)		mR/Std. Dtr.	
			+ - Rdm; Tot.		+ - Rdm; Tot.	
001	11	19	20.0	+- .6	17.0	+- .7
002	129	17.	20.0	+- .6	18.1	+- .7
003	162	17.	19.9	+- .6	17.2	+- .7
004	162	17.	17.0	+- .5	14.0	+- .6
005	156	5.1	21.1	+- .6	18.4	+- .7
006	189	4.1	17.7	+- .5	15.0	+- .6
007	202	2.2	19.4	+- .6	16.7	+- .7
008	183	1.6	20.0	+- .6	17.0	+- .7
009	243	0.2	22.7	+- .7	20.0	+- .7
010	269	0.1	27.7	+- .8	25.0	+- .9
011	304	0.1	29.5	+- .9	26.0	+- .9
012	334	0.2	28.0	+- .9	25.0	+- .9
013	10	1.2	20.0	+- .6	18.1	+- .7
014	21	2.0	19.0	+- .6	17.1	+- .7
015	203	4.5	18.4	+- .6	15.7	+- .6
016	224	0.7	17.9	+- .5	15.2	+- .6
017	212	2.0	21.2	+- .6	18.0	+- .7
018	248	5.1	18.0	+- .6	15.0	+- .6
019	259	0.1	18.0	+- .6	15.0	+- .6
020	285	5.0	MISSING OR DAMAGED TOSIMETER			
021	270	4.1	21.0	+- .6	18.0	+- .7
022	123	10.	20.2	+- .6	20.0	+- .7
023	102	11.	27.0	+- .7	24.0	+- .9
024	106	4.9	21.0	+- .6	18.0	+- .7
025	90	5.2	21.1	+- .6	18.4	+- .7
026	69	5.1	25.4	+- .7	22.7	+- .8
027	23	5.3	22.0	+- .7	19.0	+- .7
028	49	5.0	22.1	+- .7	19.4	+- .7
029	7.0	6.0	22.0	+- .7	20.2	+- .7
030	359	6.5	18.0	+- .6	16.2	+- .6
031	1.0	4.6	16.0	+- .5	13.0	+- .6
032	332	3.0	19.2	+- .6	16.5	+- .6
033	314	5.4	20.5	+- .6	17.0	+- .7
034	308	6.4	20.4	+- .6	17.7	+- .7
035	348	5.3	19.3	+- .6	16.6	+- .7
036	34	15	19.0	+- .6	16.3	+- .6
037	340	15.	18.2	+- .5	15.5	+- .6
038	339	16.	18.1	+- .5	15.4	+- .6
039	153	1.9	21.3	+- .6	18.6	+- .7
040	144	2.1	20.3	+- .6	17.6	+- .7
TRANSIT DOSE =			2.7	+- .3	4.6	

SURRY
FOR THE PERIOD 850917-860123

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
348.75-11.25 (N)	17.0 \pm 2.5	5
11.25-33.75 (NNE)	18.2 \pm 1.5	2
33.75-56.25 (NE)	19.4 \pm 0.0	1
56.25-78.75 (ENE)	22.7 \pm 0.0	1
78.75-101.25 (E)	18.4 \pm 0.0	1
101.25-123.75 (ESE)	23.1 \pm 3.6	3
123.75-146.25 (SE)	17.8 \pm .4	2
146.25-168.75 (SSE)	17.1 \pm 2.0	4
168.75-191.25 (S)	16.3 \pm 1.0	2
191.25-213.75 (SSW)	17.0 \pm 1.4	3
213.75-236.25 (SW)	15.2 \pm 0.0	1
236.25-258.75 (WSW)	17.8 \pm 3.1	2
258.75-281.25 (W)	19.9 \pm 4.6	3
281.25-303.75 (WNW)	NO DATA \pm NO DATA	0
303.75-326.25 (NW)	20.7 \pm 5.2	3
326.25-348.75 (NNW)	19.7 \pm 5.4	3

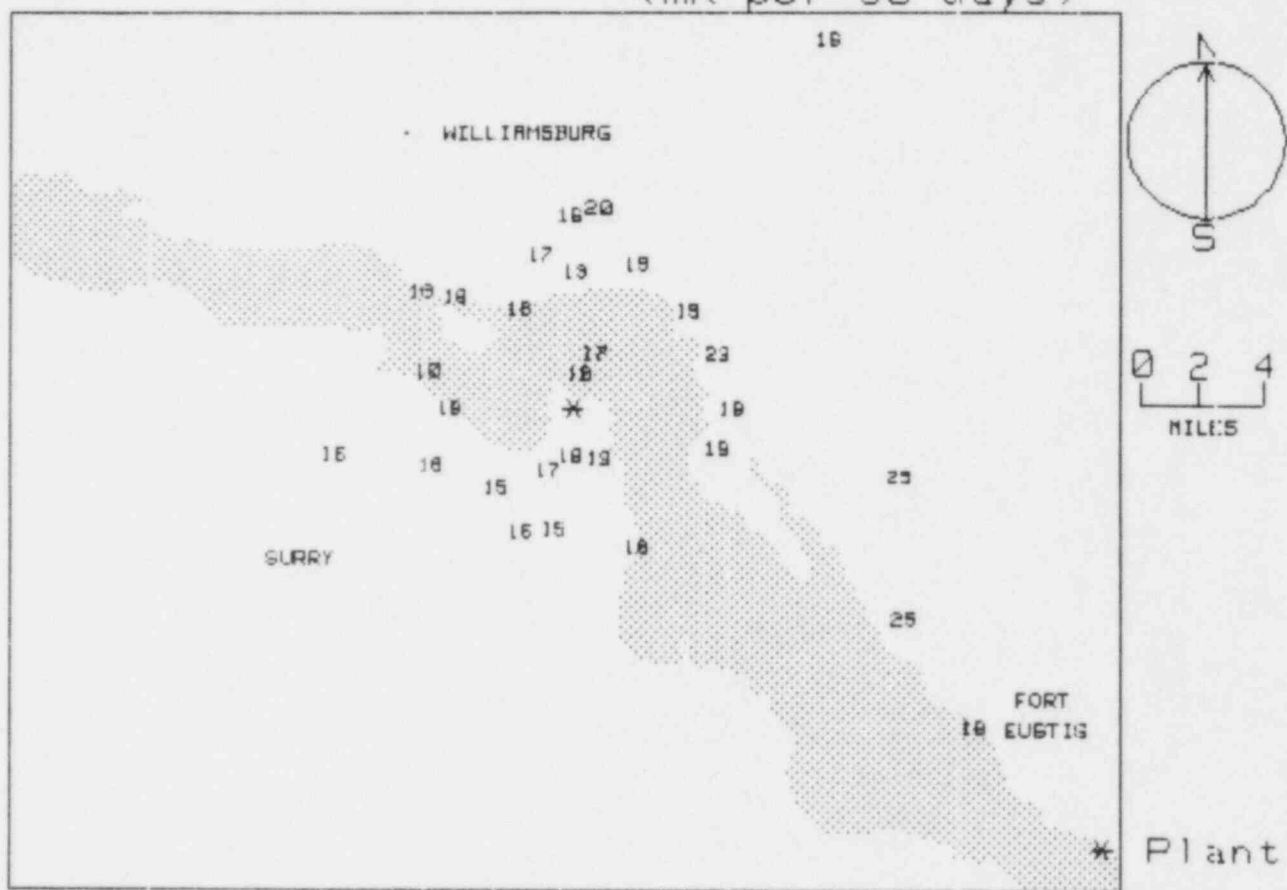
DISTANCE(mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
0-2	20.8 \pm 3.9	9
2-5	16.7 \pm 2.0	10
>5	18.6 \pm 3.1	17
UPWIND CONTROL DATA	15.7 \pm .5	3

SURRY

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING LOCATIONS

STATION	DIST(mi.)	DIR	DESCRIPTION
1	19.0	11	HAMPTON COLISEUM
2	17.0	129	NEWPORT NEWS
3	17.0	162	W. SIDE JAMES R. (RT. 258)
4	17.0	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	HOMWOOD & 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	13.0	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	WILLIAMSBURG JAMESTOWN AIRPORT
36	15.0	34	RT. 60 & RT. 607
37	15.0	340	RT. 60 & BUSH SPRING RD.
38	16.0	339	RT. 60 & CHICK HOMING ST.
39	1.9	153	PUBLIC BOAT LANDING RD.
40	2.1	144	PUBLIC BOAT LANDING

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



SUSQUEHANNA
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
 FOR THE PERIOD 850917-860114 120 DAYS
 FIELD TIME 99 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)				NET EXPOSURE RATE		
	AZIMUTH (deg.)	DIST (mi.)	+ Rdm;	Tot.			mR/Std. Qtr. + Rdm;	Tot.	
001	19	1.4	21.4	+- .6	3.	2	18.3	+- .6	5.0
002	0	1.4	23.0	+- .7	3.	2	19.8	+- .7	5.1
003	333	1.7	21.2	+- .6	3.	2	18.1	+- .6	5.0
004	318	1.7	20.1	+- .6	3.	2	17.1	+- .6	4.9
005	287	1.7	23.0	+- .7	3.	4	19.7	+- .7	5.1
006	270	1.3	23.0	+- .7	3.	4	19.7	+- .7	5.1
007	239	1.8	21.7	+- .6	3.	2	18.6	+- .6	5.0
008	217	2	25.5	+- .8	3.	0	22.0	+- .7	5.4
009	200	1.4	23.2	+- .7	3.	0	19.9	+- .7	5.2
010	175	1.2	21.0	+- .6	3.	1	17.9	+- .6	5.0
011	243	5.1	22.8	+- .7	3.	4	19.8	+- .7	5.1
012	252	4.7	21.5	+- .6	3.	2	18.4	+- .6	5.0
013	274	3.4	24.2	+- .7	3.	0	20.9	+- .7	5.2
014	286	3.6	22.4	+- .7	3.	4	19.2	+- .7	5.1
015	2	3.8	23.7	+- .7	3.	5	20.4	+- .7	5.2
016	334	4.1	23.5	+- .7	3.	5	20.2	+- .7	5.2
017	312	4.4	22.5	+- .7	3.	4	19.9	+- .7	5.1
018	32	4.9	22.4	+- .7	3.	4	19.2	+- .7	5.1
019	45	9.9	23.4	+- .7	3.	5	20.1	+- .7	5.2
020	65	4.8	24.7	+- .7	3.	7	21.0	+- .7	5.3
021	44	3.1	24.4	+- .7	3.	7	21.1	+- .7	5.3
022	47	.7	20.5	+- .6	3.	1	17.5	+- .6	4.9
023	65	1.2	21.2	+- .6	3.	0	18.1	+- .6	5.0
024	87	1.4	22.0	+- .7	3.	0	18.8	+- .7	5.1
025	108	1.4	21.7	+- .6	3.	0	18.6	+- .6	5.0
026	137	1.5	23.1	+- .7	3.	0	19.9	+- .7	5.2
027	152	1.5	21.9	+- .7	3.	0	18.7	+- .6	5.1
028	108	3.7	24.2	+- .7	3.	0	20.6	+- .7	5.2
029	102	4.3	24.4	+- .7	3.	7	21.1	+- .7	5.3
030	140	4.3	24.6	+- .7	3.	7	21.2	+- .7	5.3
031	162	3.4	25.2	+- .8	3.	9	22.7	+- .8	5.4
032	176	3.5	23.5	+- .7	3.	0	20.2	+- .7	5.2
033	192	3.1	25.5	+- .8	3.	0	22.1	+- .7	5.4
034	231	4.4	23.9	+- .7	3.	0	20.6	+- .7	5.2
035	134	12.	25.0	+- .8	3.	0	21.6	+- .7	5.3
036	114	13.	25.3	+- .8	3.	0	21.9	+- .7	5.3
037	150	15.	22.8	+- .7	3.	4	19.6	+- .7	5.1

TRANSIT DOSE = 1.2 +- .3 ; 4.5

SUSQUEHANNA
FOR THE PERIOD 850917-860114

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
348.75-11.25 (N)	20.1 \pm .4	2
11.25-33.75 (NNE)	18.8 \pm .6	2
33.75-56.25 (NE)	19.6 \pm 1.8	3
56.25-78.75 (ENE)	19.7 \pm 2.2	2
78.75-101.25 (E)	18.8 \pm 0.0	1
101.25-123.75 (ESE)	20.1 \pm 1.4	3
123.75-146.25 (SE)	20.6 \pm 1.0	2
146.25-168.75 (SSE)	20.7 \pm 2.0	2
168.75-191.25 (S)	19.1 \pm 1.6	2
191.25-213.75 (SSW)	21.0 \pm 1.5	2
213.75-236.25 (SW)	21.3 \pm 1.0	2
236.25-258.75 (WSW)	18.8 \pm .7	3
258.75-281.25 (W)	20.3 \pm .8	2
281.25-303.75 (WNW)	19.5 \pm .4	2
303.75-326.25 (NW)	18.2 \pm 1.6	2
326.25-348.75 (NNW)	19.1 \pm 1.5	2

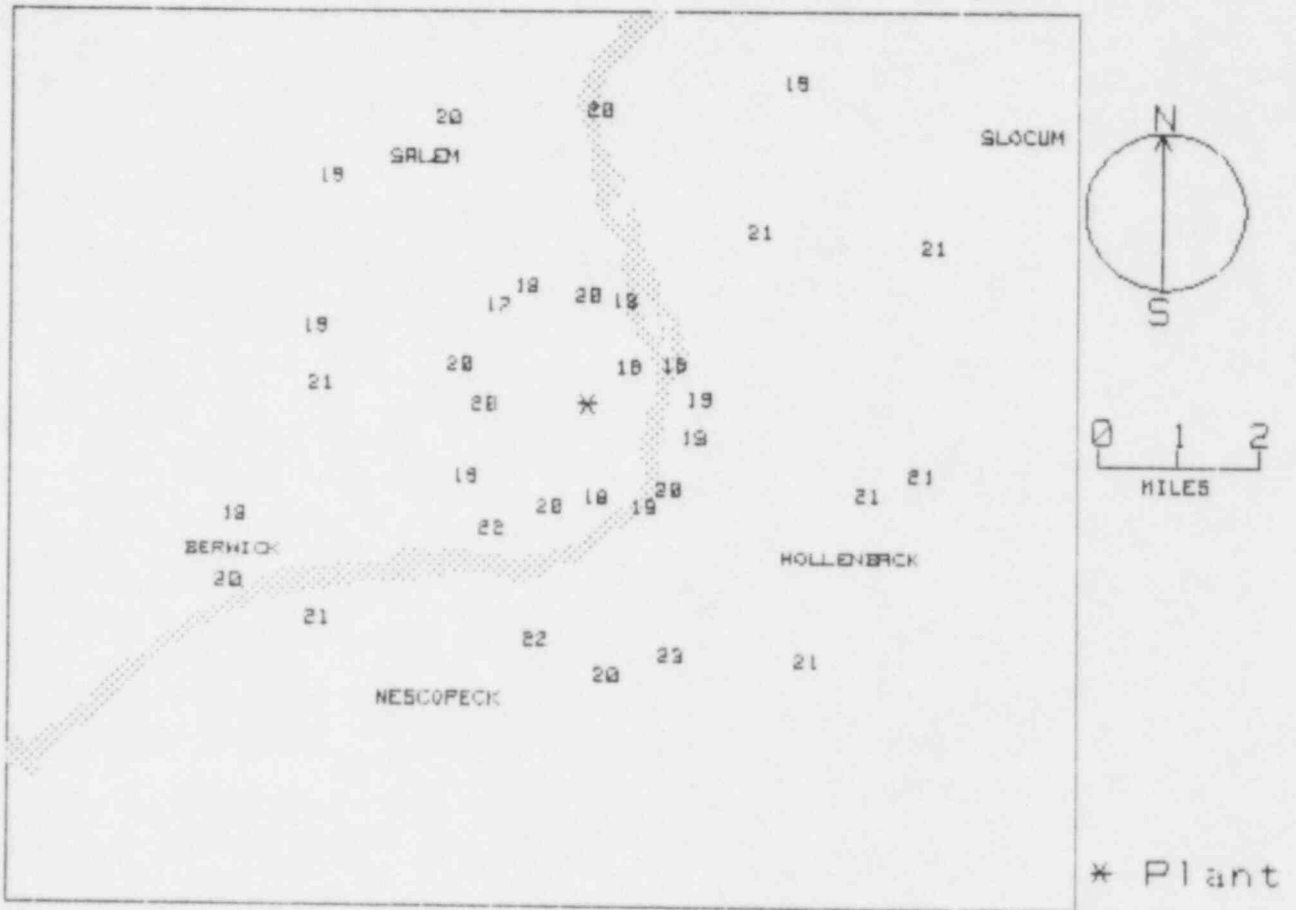
DISTANCE(mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
0-2	18.9 \pm 1.2	16
2-5	20.5 \pm 1.1	16
>5	19.8 \pm .4	2
UPWIND CONTROL DATA	21.0 \pm 1.3	3

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	GENERAL TANK & EQ.CO.
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

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



THREE MILE ISLAND
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
 FOR THE PERIOD 850917-860114 120 DAYS
 FIELD TIME 90 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)		NET EXPOSURE RATE				
	AZIMLTH (deg.)	DIST (mi.)	+ Rdm	Tot.	mR/Std. Qtr. + Rdm	Tot.			
001	95	5.9	18.6	+.6	2.8	16.6	+.6	5.2	
002	101	3.9	21.3	+.6	3.2	19.3	+.6	5.4	
003	109	2.7	23.9	+.7	3.6	21.9	+.6	5.6	
004	163	1.8	18.4	+.6	3.0	16.4	+.6	5.1	
005	161	2.2	17.9	+.6	2.7	15.9	+.6	5.1	
006	150	1	18.9	+.6	3.0	16.9	+.6	5.2	
007	136	.6	16.7	+.5	2.5	14.7	+.6	5.0	
008	83	.4	MISSING OR DAMAGED DOSIMETER						
009	60	.5	17.9	+.5	2.7	15.9	+.6	5.1	
010	1	1.7	17.8	+.5	2.7	15.8	+.6	5.1	
011	25	.9	17.9	+.5	2.7	15.9	+.6	5.1	
012	46	2.0	18.0	+.5	2.7	16.0	+.6	5.1	
013	19	5.2	18.3	+.5	2.7	16.3	+.6	5.1	
014	350	2.5	17.0	+.5	2.5	15.0	+.6	5.0	
015	133	9.0	21.0	+.5	3.1	19.0	+.6	5.4	
016	0	1.1	17.0	+.5	2.6	15.0	+.6	5.1	
018	349	3.5	21.4	+.5	3.2	19.4	+.6	5.4	
019	343	2.2	19.5	+.5	2.9	17.5	+.6	5.2	
020	318	5	18.2	+.5	2.7	16.2	+.6	5.1	
021	340	1.3	15.0	+.4	2.2	13.0	+.6	4.9	
022	17	3.1	18.5	+.5	3.0	16.5	+.6	5.2	
023	64	3.0	15.0	+.5	2.4	13.0	+.6	5.0	
024	44	3.6	19.0	+.5	2.9	17.0	+.6	5.2	
025	335	0.5	MISSING OR DAMAGED DOSIMETER						
027	006	7.4	23.1	+.7	3.5	21.1	+.7	5.6	
029	293	0.4	MISSING OR DAMAGED DOSIMETER						
030	317	1.2	MISSING OR DAMAGED DOSIMETER						
031	306	9.6	17.0	+.5	2.5	15.0	+.6	5.0	
032	297	7.4	20.4	+.6	3.1	18.4	+.7	5.3	
033	301	5.9	16.3	+.5	2.4	14.3	+.6	5.0	
034	267	2.3	19.4	+.6	2.9	17.4	+.6	5.2	
035	299	1.8	MISSING OR DAMAGED DOSIMETER						
036	267	1.2	15.1	+.5	2.3	13.1	+.5	4.9	
037	256	1.4	16.0	+.5	2.4	14.0	+.6	5.0	
038	225	1.9	18.8	+.6	2.8	16.8	+.6	5.2	
039	200	2.1	15.6	+.5	2.3	13.6	+.5	4.9	
040	204	2.5	17.0	+.5	2.7	15.0	+.6	5.1	
041	185	13	18.9	+.6	2.8	16.9	+.6	5.2	
042	259	7.3	18.1	+.5	2.7	16.1	+.6	5.1	
043	260	5.0	21.7	+.6	3.2	19.7	+.7	5.4	
044	263	4.7	17.0	+.5	2.6	15.0	+.6	5.0	
045	230	0.5	MISSING OR DAMAGED DOSIMETER						
046	177	3	16.5	+.5	2.5	14.5	+.6	5.0	
047	177	5.7	18.7	+.6	2.8	16.7	+.6	5.2	
048	182	9	23.9	+.7	3.6	21.9	+.8	5.6	
049	206	0.9	MISSING OR DAMAGED DOSIMETER						
050	145	4.9	17.2	+.5	2.6	15.2	+.6	5.1	
TRANSIT DOSE =			2.0	+.3	4.3				

THREE MILE ISLAND
FOR THE PERIOD 850917-860114

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
348.75-11.25 (N)	17.4 \pm 2.7	5
11.25-33.75 (NNE)	16.2 \pm .3	3
33.75-56.25 (NE)	16.5 \pm .7	2
56.25-78.75 (ENE)	14.9 \pm 1.4	2
78.75-101.25 (E)	18.0 \pm 1.9	2
101.25-123.75 (ESE)	21.9 \pm 0.0	1
123.75-146.25 (SE)	16.3 \pm 2.3	3
146.25-168.75 (SSE)	16.4 \pm .5	3
168.75-191.25 (S)	17.5 \pm 3.1	4
191.25-213.75 (SSW)	14.7 \pm 1.6	2
213.75-236.25 (SW)	16.8 \pm 0.0	1
236.25-258.75 (WSW)	NO DATA \pm NO DATA	0
258.75-281.25 (W)	17.1 \pm 2.0	4
281.25-303.75 (WNW)	16.4 \pm 2.9	2
303.75-326.25 (NW)	15.6 \pm .9	2
326.25-348.75 (NNW)	15.3 \pm 3.2	2

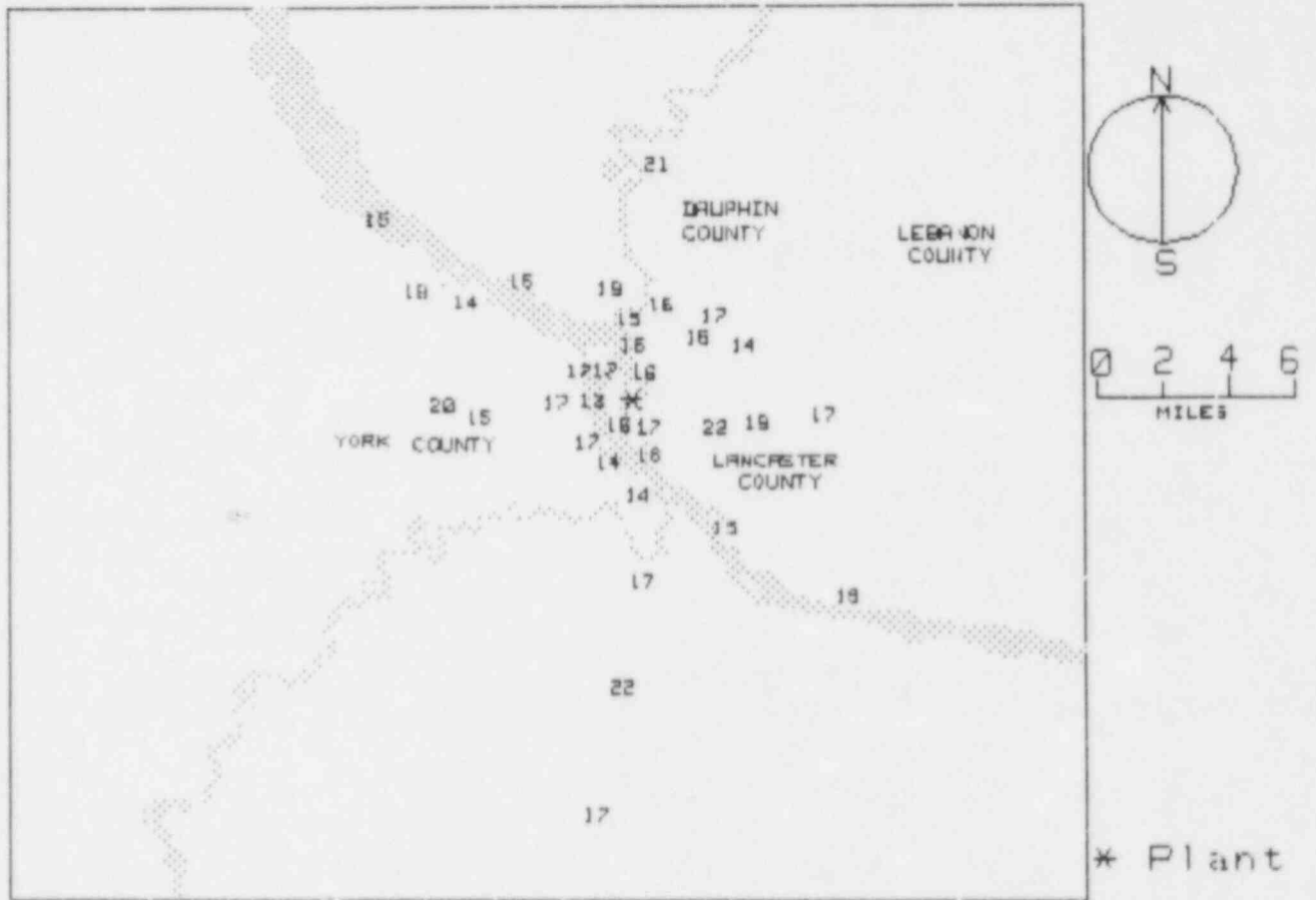
DISTANCE (mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
0-2	15.7 \pm 1.3	8
2-5	16.4 \pm 2.1	18
>5	17.7 \pm 2.4	12
UPWIND CONTROL DATA	13.5 \pm .6	2

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 FORD
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	3.9	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
50	4.9	145	BAINBRIDGE ELEMENTARY

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



TROJAN
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
 FOR THE PERIOD 850912-860116 127 DAYS
 FIELD TIME 99 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)		NET EXPOSURE RATE		
	AZIMUTH (deg.)	DIST (mi.)	+ Rdm	Tot.	mR/Std. Dtr.	+ Rdm; Tot.	
001	340	0.	16.	+	10.	+	
002	334	1.	16.	+	10.	+	
003	340	1.	16.	+	10.	+	
004	328	3.	16.	+	11.	+	
005	308	4.	16.	+	12.	+	
006	312	4.	16.	+	10.	+	
007	267	4.	16.	+	12.	+	
008	274	3.	16.	+	10.	+	
009	279	3.	16.	+	10.	+	
010	263	3.	16.	+	10.	+	
011	245	1.	16.	+	10.	+	
012	223	1.	16.	+	10.	+	
013	196	1.	16.	+	10.	+	
014	190	1.	16.	+	10.	+	
015	165	1.	16.	+	11.	+	
016	212	1.	16.	+	14.	+	
017	230	1.	16.	+	11.	+	
018	162	1.	16.	+	11.	+	
019	172	1.	16.	+	11.	+	
020	334	3.	16.	+	11.	+	
021	345	3.	16.	+	11.	+	
022	356	3.	16.	+	11.	+	
023	158	1.	16.	+	11.	+	
024	15	1.	16.	+	11.	+	
025	27	1.	16.	+	11.	+	
026	37	1.	16.	+	10.	+	
027	50	1.	16.	+	10.	+	
028	55	1.	16.	+	11.	+	
029	69	1.	16.	+	10.	+	
030	83	1.	16.	+	10.	+	
031	93	1.	16.	+	10.	+	
032	119	1.	16.	+	14.	+	
033	106	1.	MISSING OR DAMAGED DOSIMETER				+
034	134	1.	16.	+	10.	+	
035	145	4.	16.	+	11.	+	
036	270	17.	16.	+	10.	+	
037	270	17.	16.	+	10.	+	
038	270	17.	16.	+	10.	+	
TRANSIT DOSE = 5.5 +- .4							

TROJAN
FOR THE PERIOD 850912-860116

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
348.75-11.25 (N)	10.8 \pm .1	2
11.25-33.75 (NNE)	11.4 \pm .4	2
33.75-56.25 (NE)	12.4 \pm 1.1	2
56.25-78.75 (ENE)	12.4 \pm .5	2
78.75-101.25 (E)	12.2 \pm 2.2	2
101.25-123.75 (ESE)	14.1 \pm 0.0	1
123.75-146.25 (SE)	10.8 \pm .8	2
146.25-168.75 (SSE)	13.0 \pm 2.7	2
168.75-191.25 (S)	13.5 \pm 2.1	2
191.25-213.75 (SSW)	13.5 \pm .8	2
213.75-236.25 (SW)	12.8 \pm .3	2
236.25-258.75 (WSW)	13.4 \pm 0.0	1
258.75-281.25 (W)	13.1 \pm .5	4
281.25-303.75 (WNW)	NO DATA \pm NO DATA	0
303.75-326.25 (NW)	12.8 \pm .8	2
326.25-348.75 (NNW)	11.3 \pm 1.3	6

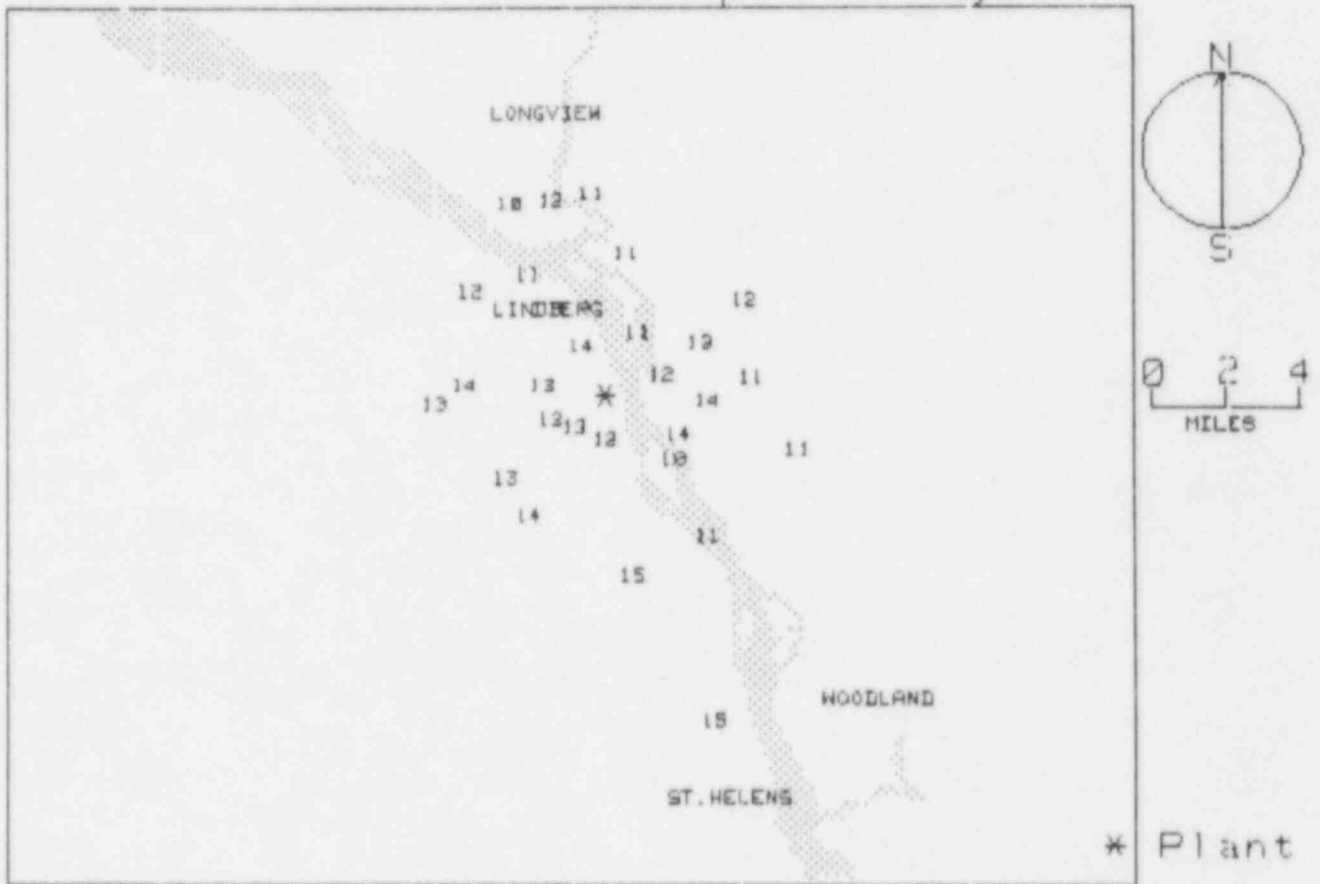
DISTANCE (mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
0-2	12.1 \pm 1.2	12
2-5	12.5 \pm 1.4	18
>5	12.0 \pm 2.1	4
UPWIND CONTROL DATA	13.2 \pm .1	3

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	HUTCHISON RD.
9	1.7	279	NEER CITY RD.
10	2.0	263	BROWNLEE RD.
11	1.6	245	LIRE'S 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	REICHOLD 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

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



TURKEY POINT
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
 FOR THE PERIOD 850916-860113 120 DAYS
 FIELD TIME 92 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)		NET EXPOSURE RATE	
	AZIMUTH (deg.)	DIST (mi.)	+ Rdm	Tot.	mR/Std. Qtr.	+ Rdm; Tot.
001	310	1.3	15	+	11	+
002	292	2.2	16	+	12	+
003	340	1.1	16	+	10	+
004	354	2.2	16	+	12	+
005	314	2.0	16	+	11	+
006	331	4.2	16	+	11	+
007	291	4.4	16	+	12	+
008	263	1.1	16	+	11	+
009	242	1.7	16	+	11	+
010	234	2.7	16	+	11	+
011	230	3.0	14	+	10	+
012	233	3.0	16	+	11	+
013	199	10.0	16	+	11	+
014	198	10.0	16	+	11	+
015	188	10.0	17	+	11	+
016	171	10.0	18	+	11	+
017	16	10.0	17	+	11	+
018	0	10.0	16	+	11	+
019	0	10.0	16	+	11	+
020	0	10.0	16	+	11	+
021	0	10.0	16	+	11	+
022	0	10.0	16	+	11	+
023	0	10.0	16	+	11	+
024	0	10.0	16	+	11	+
025	0	10.0	16	+	11	+
026	0	10.0	16	+	11	+
027	0	10.0	16	+	11	+
028	0	10.0	16	+	11	+
029	0	10.0	16	+	11	+
030	0	10.0	16	+	11	+
031	0	10.0	16	+	11	+
032	0	10.0	16	+	11	+
033	0	10.0	16	+	11	+
034	0	10.0	16	+	11	+
035	0	10.0	16	+	11	+
036	0	10.0	16	+	11	+
037	0	10.0	16	+	11	+
TRANSIT DOSE	=	3.7	+	3.0		

TURKEY POINT
FOR THE PERIOD 850916-860113

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
348.75-11.25 (N)	13.4 \pm .8	4
11.25-33.75 (NNE)	13.3 \pm 1.2	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)	13.9 \pm 0.0	1
168.75-191.25 (S)	13.6 \pm .6	3
191.25-213.75 (SSW)	11.7 \pm .1	2
213.75-236.25 (SW)	12.5 \pm 1.0	3
236.25-258.75 (WSW)	12.1 \pm .9	2
258.75-281.25 (W)	11.4 \pm .7	3
281.25-303.75 (WNW)	13.3 \pm 1.0	5
303.75-326.25 (NW)	12.2 \pm .5	3
326.25-348.75 (NNW)	12.9 \pm 1.2	4

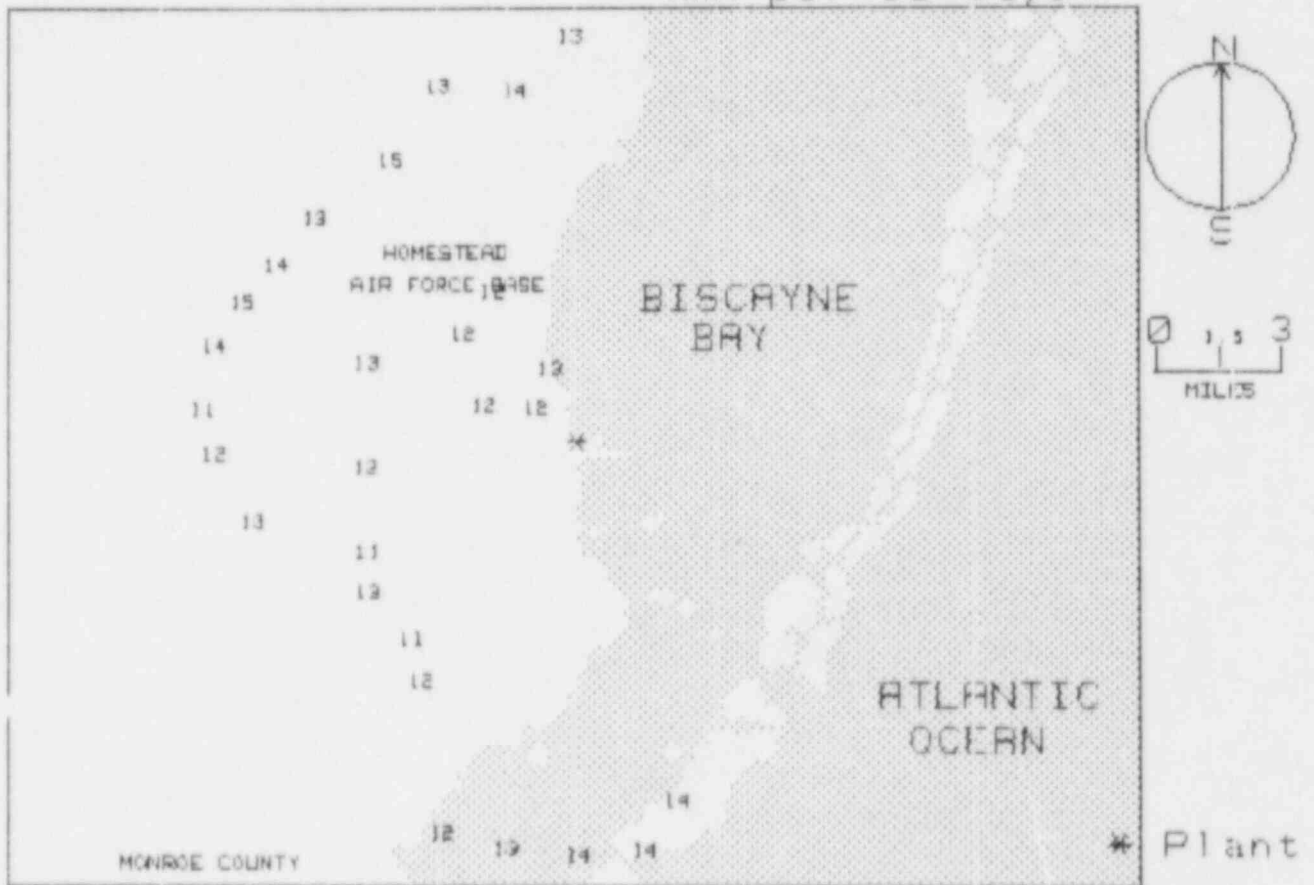
DISTANCE(mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
0-2	12.6 \pm 1.0	5
2-5	11.9 \pm .3	3
>5	13.0 \pm 1.2	26
UPWIND CONTROL DATA	12.8 \pm .4	3

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 SE 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	22.0	12	HWY. 1 & GRANADA RD.
34	24.0	18	NATOMA SUBSTATION
35	22.0	28	CRANDON BLVD. & EASTWOOD DR.
36	.3	15	TURKEY PT. BEACH
37	.5	228	TURKEY PT. BOY SCOUT CAMP

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



VERMONT YANKEE
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
 FOR THE PERIOD 850919-860108 112 DAYS
 FIELD TIME 91 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)		NET EXPOSURE RATE		
	AZIMUTH (deg.)	DIST (mi.)	+ Rdm	Tot.	mR/Std. Dtr.	+ Rdm; Tot.	
001	142	1.	17.5	± .5	16.2	± .6	4.8
002	158	1	MISSING OR DAMAGED DOSIMETER				
003	184	1.3	17.8	± .5	16.5	± .5	4.9
004	201	1.4	17.4	± .5	16.1	± .5	4.8
005	220	1.6	18.3	± .5	17.0	± .5	4.9
006	157	3.4	17.3	± .5	16.0	± .5	4.8
007	189	4.9	17.4	± .5	16.1	± .5	4.8
008	201	13.	16.8	± .5	15.5	± .5	4.8
009	208	5.8	17.5	± .5	16.3	± .5	4.8
010	232	3.7	19.8	± .5	18.4	± .5	5.0
011	277	2.9	18.4	± .5	17.0	± .5	4.9
012	292	1.4	18.4	± .5	17.1	± .5	4.9
013	314	1.4	18.2	± .5	16.9	± .5	4.9
014	318	4.2	17.3	± .5	16.0	± .5	4.8
015	399	4.4	17.4	± .5	16.1	± .5	4.8
016	370	4.5	18.4	± .5	15.1	± .5	4.7
017	331	5.5	18.1	± .5	16.8	± .5	4.9
018	300	1.9	19.1	± .5	17.8	± .5	5.0
019	300	1.9	20.3	± .5	18.9	± .5	5.1
020	300	1.9	19.1	± .5	17.7	± .5	5.0
021	309	3.9	17.8	± .5	16.5	± .5	4.9
023	304	2.2	17.7	± .5	15.9	± .5	4.8
024	409	1.9	18.0	± .5	16.7	± .5	4.9
025	30	1.1	17.3	± .5	16.0	± .5	4.8
026	72	1.5	18.7	± .5	17.3	± .5	4.9
027	44	1.7	17.5	± .5	16.2	± .5	4.8
028	39	3.0	19.1	± .5	17.8	± .5	5.0
029	55	3.0	20.6	± .5	19.3	± .5	5.1
030	70	3.0	20.7	± .5	19.3	± .5	5.1
031	85	2.3	18.3	± .5	17.0	± .5	4.9
032	111	1.8	17.1	± .5	15.8	± .5	4.8
033	134	4	18.0	± .5	16.7	± .5	4.9
034	151	6	16.0	± .5	14.7	± .5	4.7
035	111	4.3	19.4	± .5	18.0	± .5	5.0
036	92	4.7	20.2	± .5	18.9	± .5	5.1
037	50	15	20.7	± .5	19.3	± .5	5.1
039	222	1.3	20.1	± .5	18.7	± .5	5.0
040	50	3	17.7	± .5	16.4	± .5	4.8
TRANSIT DOSE =			1.1	± .3			4.1

VERMONT YANKEE
FOR THE PERIOD 850919-860108

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
348.75-11.25 (N)	16.6 \pm .1	2
11.25-33.75 (NNE)	17.6 \pm 2.3	2
33.75-56.25 (NE)	19.3 \pm 0.0	1
56.25-78.75 (ENE)	19.3 \pm 0.0	1
78.75-101.25 (E)	17.9 \pm 1.3	2
101.25-123.75 (ESE)	16.9 \pm 1.6	2
123.75-146.25 (SE)	16.4 \pm .4	2
146.25-168.75 (SSE)	15.4 \pm .9	2
168.75-191.25 (S)	16.3 \pm .3	2
191.25-213.75 (SSW)	16.0 \pm .4	3
213.75-236.25 (SW)	18.1 \pm .9	3
236.25-258.75 (WSW)	16.4 \pm 0.0	1
258.75-281.25 (W)	16.1 \pm 1.4	2
281.25-303.75 (WNW)	17.5 \pm 1.0	5
303.75-326.25 (NW)	16.4 \pm .6	2
326.25-348.75 (NNW)	16.3 \pm .7	2

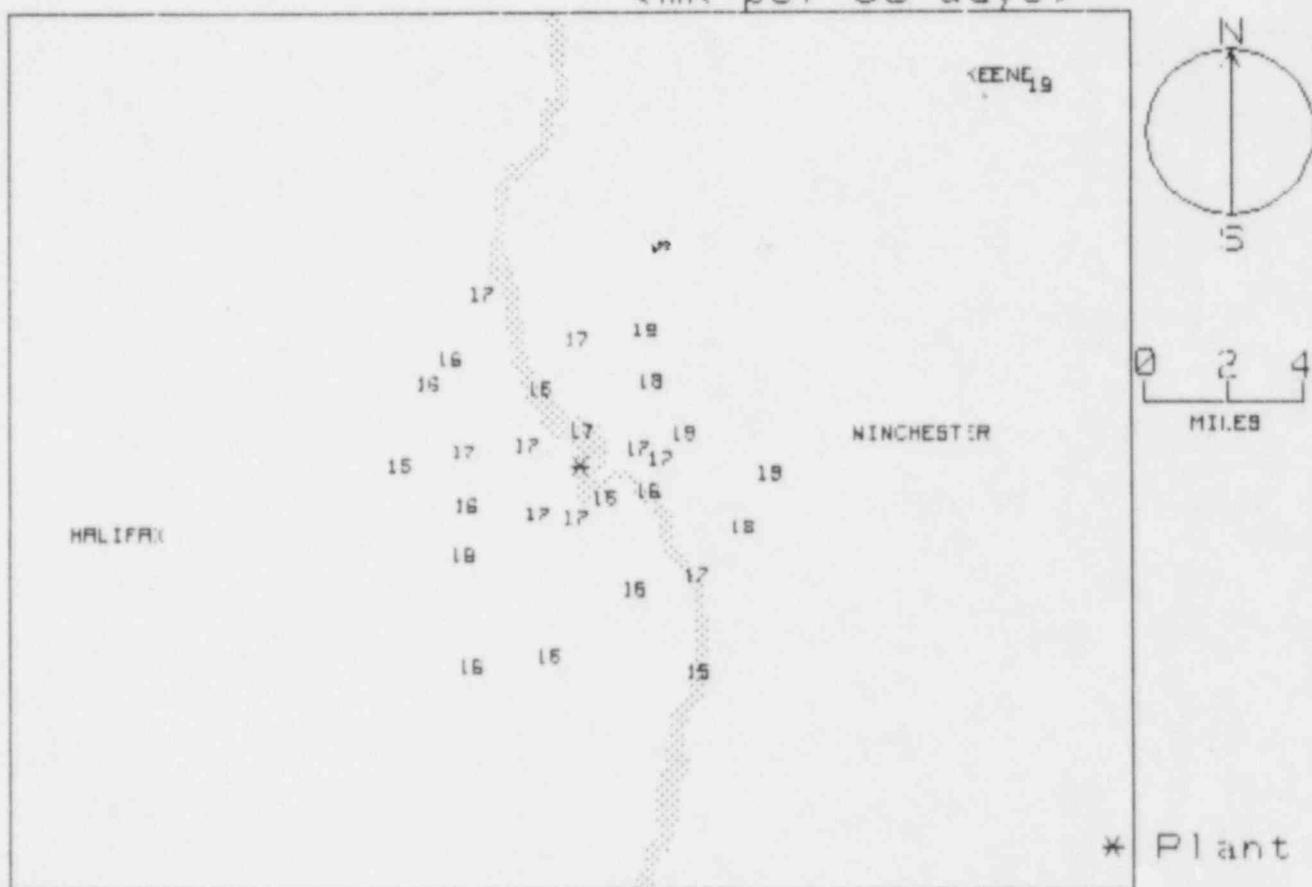
DISTANCE (mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
0-2	16.7 \pm .8	11
2-5	17.0 \pm 1.3	16
>5	17.2 \pm 1.7	7
UPWIND CONTROL DATA	17.1 \pm .8	3

VERMONT YANKEE

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING LOCATIONS

STATION	DIST(mi.)	DIR	DESCRIPTION
1	1.0	142	SMEAD LUMBER CO.
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	19.0	290	WILMINGTON
19	19.0	290	WILMINGTON
20	19.0	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	2.8	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

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



VOGTLE
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
 FOR THE PERIOD 850917-860122 128 DAYS
 FIELD TIME 100 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)		NET EXPOSURE RATE	
	AZIMUTH (deg.)	DIST (mi.)	+ Rdm	Tot.	mR/Std. Qtr. + Rdm	Tot.
001	298	1.6	22.8	+.7	14.4	+.7
002	309	1.6	18.8	+.6	10.8	+.6
003	336	1.4	21.8	+.6	12.8	+.6
004	270	1.3	20.6	+.6	12.4	+.6
005	247	1.2	19.7	+.6	11.6	+.6
006	215	1.2	23.8	+.7	14.6	+.7
007	205	1.2	25.9	+.8	17.2	+.8
008	188	1.1	24.2	+.7	15.7	+.7
009	153	1.2	19.4	+.6	11.3	+.6
010	134	1.3	22.2	+.7	13.2	+.7
011	103	1.1	17.9	+.5	10.2	+.5
012	134	3.3	19.8	+.6	11.7	+.6
013	123	4.4	20.9	+.6	12.1	+.6
014	141	4.4	17.7	+.5	10.1	+.5
015	153	5.5	18.8	+.6	10.9	+.6
016	157	7.7	18.8	+.6	10.9	+.6
017	157	7.7	18.8	+.6	10.9	+.6
018	159	4.4	17.9	+.5	10.1	+.5
019	160	4.4	17.9	+.5	10.1	+.5
020	160	4.4	18.4	+.6	10.6	+.6
021	160	4.4	18.4	+.6	10.6	+.6
022	160	4.4	18.4	+.6	10.6	+.6
023	160	4.4	18.4	+.6	10.6	+.6
024	160	4.4	18.4	+.6	10.6	+.6
025	160	4.4	18.4	+.6	10.6	+.6
026	160	4.4	18.4	+.6	10.6	+.6
027	160	4.4	18.4	+.6	10.6	+.6
028	160	4.4	18.4	+.6	10.6	+.6
029	160	4.4	18.4	+.6	10.6	+.6
030	160	4.4	18.4	+.6	10.6	+.6
031	160	4.4	18.4	+.6	10.6	+.6
032	160	4.4	18.4	+.6	10.6	+.6
033	160	4.4	18.4	+.6	10.6	+.6
034	160	4.4	18.4	+.6	10.6	+.6
035	160	4.4	18.4	+.6	10.6	+.6
036	160	4.4	18.4	+.6	10.6	+.6
037	160	4.4	18.4	+.6	10.6	+.6
038	160	4.4	18.4	+.6	10.6	+.6
TRANSIT DOSE = 6.8			+.5	6.4		

VOGTLE
FOR THE PERIOD 850917-860122

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std. Dev.	# IN GROUP
348.75-11.25 (N)	11.1 \pm 0.0	1
11.25-33.75 (NNE)	8.0 \pm .5	2
33.75-56.25 (NE)	11.7 \pm 1.3	2
56.25-78.75 (ENE)	9.7 \pm .4	2
78.75-101.25 (E)	9.5 \pm 0.0	1
101.25-123.75 (ESE)	11.4 \pm 1.9	2
123.75-146.25 (SE)	11.8 \pm 2.1	3
146.25-168.75 (SSE)	13.0 \pm 3.1	4
168.75-191.25 (S)	13.6 \pm 2.9	2
191.25-213.75 (SSW)	13.3 \pm 5.6	2
213.75-236.25 (SW)	12.5 \pm 3.0	2
236.25-258.75 (WSW)	11.4 \pm .3	2
258.75-281.25 (W)	11.8 \pm .8	2
281.25-303.75 (WNW)	12.8 \pm 2.3	2
303.75-326.25 (NW)	12.3 \pm 2.0	2
326.25-348.75 (NNW)	12.5 \pm .4	2

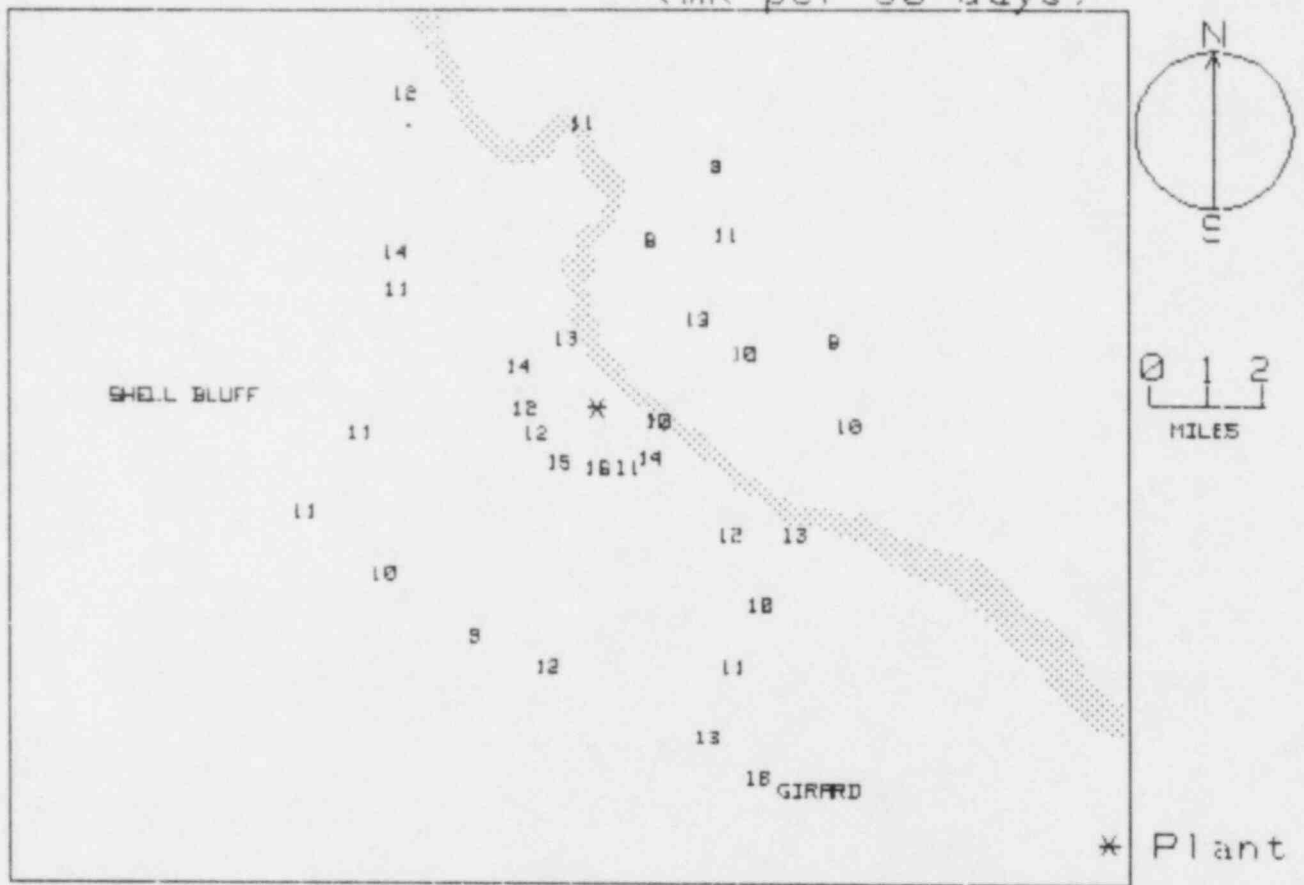
DISTANCE (mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std. Dev.	# IN GROUP
0-2	13.2 \pm 2.2	11
2-5	10.6 \pm 1.6	16
>5	12.5 \pm 2.6	6
UPWIND CONTROL DATA	14.0 \pm 2.6	3

VOGTLE

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING LOCATIONS

STATION	DIST(mi.)	DIR	DESCRIPTION
1	1.6	298	HANCOCK LANDING & RIVER RD
2	1.6	309	0.7 MI. EAST OF RIVER RD(FROM ST.1)
3	1.4	336	HANCOCK LANDING RD AT G.P. AIR SAMPLER
4	1.3	270	RIVER RD, 1 MI S.OF HANCOCK LANDING RD
5	1.2	247	RIVER RD AT DeLAGLE MHP
6	1.2	215	INTERSECTION OF RIVER & CC ROADS
7	1.2	205	RIVER RD 0.3 MI NW OF TLD STATION 18
8	1.1	180	RIVER RD 0.4 MI E OF TLD STATION 7
9	1.2	153	RIVER RD 0.5 MI E OF TLD STATION 8
10	1.3	134	RIVER RD AT PLANT GATE 3
11	1.1	103	PLANT WILSON BOUNDARY RD
12	3.3	134	NEAR RESIDENCE OF OLD RIVER RD
13	4.2	123	GRIFFINS LANDING RD
14	4.6	141	GRIFFINS LANDING AND EARLE DIXON RDS
15	5.3	153	GRIFFINS LANDING & CHANCE RDS
16	6.3	162	GIRARD ELEMENTARY SCHOOL
17	7.3	157	CITY OF GIRARD
18	4.8	191	GA HWY 23 & THOMPSON BRIDGE RD
19	4.7	208	GA HWY 23, 1.5 MI NW OF TLD STATION 18
20	4.9	232	GA HWY 23 & ESKEW ROAD
21	5.6	250	GA HWY 23 & HANCOCK LANDING RD
22	4.3	264	HANCOCK LANDING & CLAXTON LIVERLY RDS
23	4.2	301	RIVER RD AND HATCHER ROAD
24	4.6	308	PIONEER TRAILER PARK ON RIVER RD
25	6.7	329	SHELL BLUFF LANDING
26	15.0	258	GP DISTRICT OFFI. IN WAYNESBORO
27	13.0	300	McBEAN FIRE STATION
28	30.0	330	GA WELCOME CENTER I-20 W, AUGUSTA
31	5.2	357	SRP BOAT DOCK(SC)
32	4.9	26	SRP A-12 & SEABOARD COAST FR (SC)
33	3.2	17	1.2 MI FROM INTERSEC.DIRT RD & SRP A12.2
34	3.9	36	INTERSEC.OF SRP A-13 & SRP A-13.2(SC)
35	2.4	48	INTERSEC.OF SRP A-13 & BEAR TRACK RD(SC)
36	2.8	69	2ND INTERSEC. SRP A-13 & BEAR RD(SC)
37	4.4	74	INTERSEC.OF A-13 & SRP A-13.2 (SC)
38	4.5	94	INTERSEC.OF SRP A-17 & WILSON RD(SC)

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



WASHINGTON NUCLEAR 2
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
 FOR THE PERIOD 850910-860121 134 DAYS
 FIELD TIME 92 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)		NET EXPOSURE RATE	
	AZIMUTH (deg.)	DIST (mi.)	+ Rdm	Tot.	mR/Std. Qtr. + Rdm	Tot.
001	174	12.	23.6	+.7	17.3	+.6
002	163	11.	23.3	+.7	17.8	+.6
003	161	9.0	22.4	+.7	16.1	+.6
004	152	5.0	25.3	+.8	19.6	+.7
005	195	2.0	23.9	+.7	17.8	+.6
006	220	1.5	23.6	+.7	17.4	+.6
007	92	3.0	25.8	+.7	18.7	+.7
008	155	1.0	23.1	+.7	18.0	+.6
009	130	0.5	24.3	+.7	18.8	+.6
010	70	0.5	24.1	+.7	17.8	+.6
011	25	0.0	23.6	+.7	17.7	+.6
012	315	0.5	24.8	+.7	18.5	+.6
013	290	0.5	27.3	+.8	21.2	+.7
014	270	0.5	23.9	+.7	17.8	+.6
015	245	1.0	24.4	+.7	18.1	+.6
016	285	3.0	24.5	+.7	18.3	+.6
017	240	4.0	23.3	+.7	17.7	+.6
018	198	7.0	21.7	+.7	15.5	+.6
019	173	8.5	22.8	+.7	16.5	+.6
020	150	20.	25.1	+.8	18.8	+.6
021	114	7.0	23.9	+.7	17.7	+.6
022	120	8.0	22.6	+.7	16.8	+.6
023	134	6.0	25.3	+.7	18.8	+.6
024	110	4.0	26.7	+.8	20.2	+.6
025	85	5.0	23.9	+.7	17.8	+.6
026	65	5.0	25.7	+.7	19.4	+.6
027	53	4.0	23.7	+.7	17.7	+.6
028	44	8.0	25.0	+.7	18.7	+.6
029	33	10.	22.1	+.7	15.8	+.6
030	8	9.5	25.7	+.7	19.4	+.6
031	215	15.	22.5	+.7	16.4	+.6
TRANSIT DOSE =	5.9	+.4	5.8			

WASHINGTON NUCLEAR 2
FOR THE PERIOD 850910-860121

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std. Dev.	# IN GROUP
348.75-11.25 (N)	19.4 \pm 0.0	1
11.25-33.75 (NNE)	16.6 \pm 1.0	2
33.75-56.25 (NE)	18.0 \pm .9	2
56.25-78.75 (ENE)	18.6 \pm 1.1	2
78.75-101.25 (E)	18.1 \pm .8	2
101.25-123.75 (ESE)	18.2 \pm 1.9	3
123.75-146.25 (SE)	18.5 \pm .6	2
146.25-168.75 (SSE)	17.6 \pm 1.3	5
168.75-191.25 (S)	16.5 \pm 0.0	1
191.25-213.75 (SSW)	16.5 \pm 1.5	2
213.75-236.25 (SW)	17.4 \pm 0.0	1
236.25-258.75 (WSW)	17.6 \pm .8	2
258.75-281.25 (W)	17.6 \pm 0.0	1
281.25-303.75 (WNW)	19.6 \pm 1.9	2
303.75-326.25 (NW)	18.5 \pm 0.0	1
326.25-348.75 (NNW)	NO DATA \pm NO DATA	0

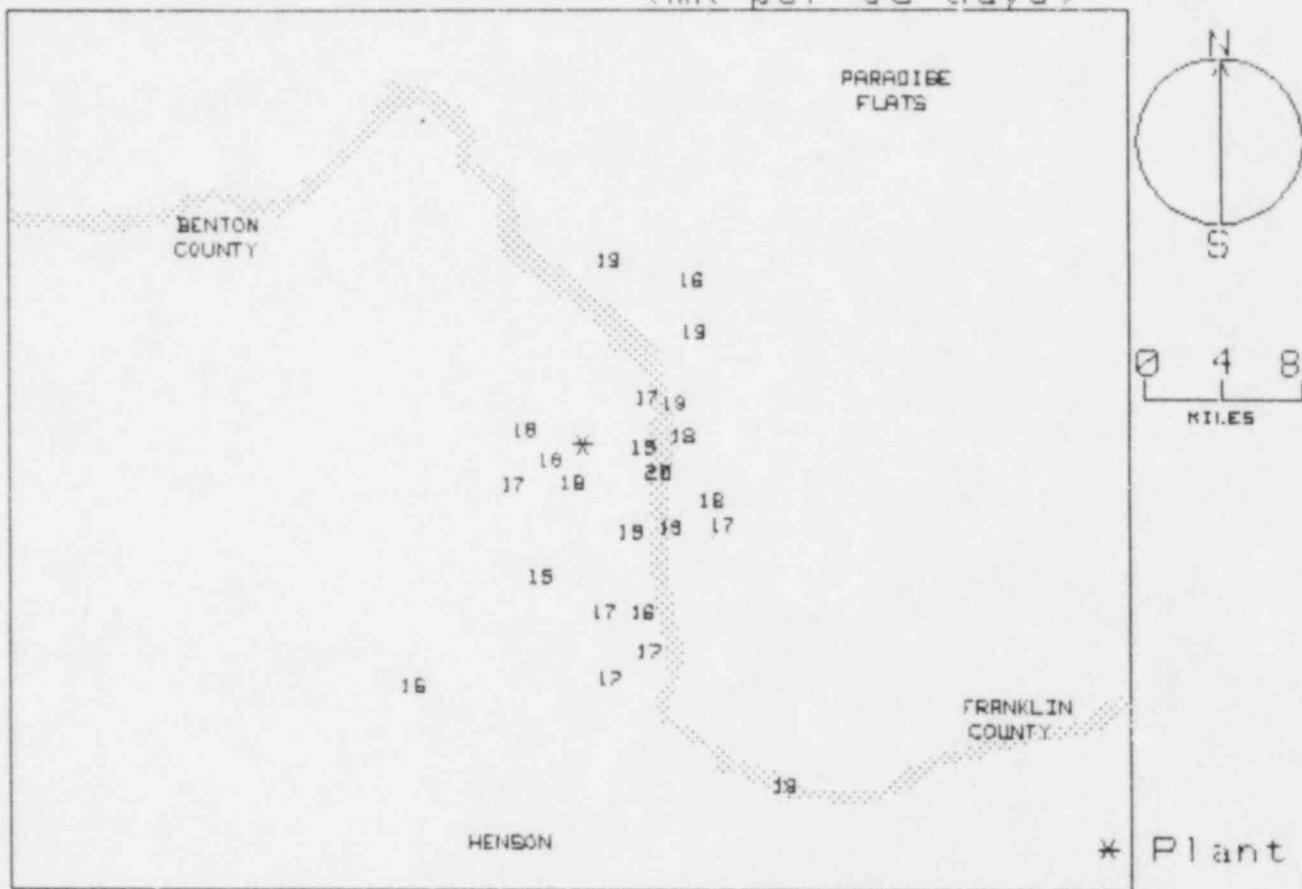
DISTANCE(mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std. Dev.	# IN GROUP
0-2	18.0 \pm 1.1	10
2-5	18.4 \pm 1.1	8
>5	17.4 \pm 1.4	11
UPWIND CONTROL DATA	16.8 \pm .8	2

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	BPA 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

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



WATERFORD
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
 FOR THE PERIOD 850911-860113 125 DAYS
 FIELD TIME 92 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)			NET EXPOSURE RATE			
	AZIMUTH/DIST (deg.) (mi.)		+ Rdm; Tot.			mR/Std. Dtr. + Rdm; Tot.			
001	101	0.4	20.6	+-	.6	3.1	18.2	+- .7	5.3
002	116	1.1	19.0	+-	.6	3.0	16.4	+- .6	5.1
003	132	1.3	19.0	+-	.6	3.0	17.1	+- .6	5.2
004	160	1.0	17.1	+-	.6	3.0	14.0	+- .6	5.0
005	183	1.4	17.6	+-	.6	3.0	15.2	+- .6	5.1
006	202	1.3	19.5	+-	.6	3.0	17.1	+- .6	5.2
007	235	1.3	18.1	+-	.6	3.0	15.7	+- .6	5.1
008	243	1.3	20.4	+-	.6	3.1	17.9	+- .7	5.3
009	265	1.9	19.7	+-	.6	3.0	17.3	+- .6	5.2
010	186	4.2	MISSING OR DAMAGED DOSIMETER						
011	315	4.4	20.1	+-	.6	3.0	17.7	+- .7	5.3
012	328	4.1	20.3	+-	.6	3.0	17.9	+- .7	5.3
013	309	0.0	19.2	+-	.6	3.0	16.8	+- .6	5.2
014	273	0.9	MISSING OR DAMAGED DOSIMETER						
015	299	0.0	17.0	+-	.6	2.8	14.7	+- .6	5.0
016	335	0.5	17.3	+-	.6	2.8	14.9	+- .6	5.0
017	120	4.3	16.6	+-	.6	2.8	14.3	+- .6	5.0
018	145	3.5	17.6	+-	.6	2.8	15.2	+- .6	5.1
019	153	0.1	19.1	+-	.6	2.9	16.7	+- .6	5.2
020	133	0.1	19.2	+-	.6	2.9	16.8	+- .6	5.2
021	116	0.7	18.2	+-	.6	2.7	15.8	+- .6	5.1
022	99	4.3	18.9	+-	.6	2.8	16.5	+- .6	5.2
023	86	2.6	19.3	+-	.6	2.9	16.9	+- .6	5.2
024	66	4.2	20.7	+-	.6	3.1	18.3	+- .7	5.3
025	37	3.5	19.3	+-	.6	2.9	16.9	+- .6	5.2
026	23	3.0	17.3	+-	.6	2.8	14.9	+- .6	5.0
027	353	4.9	18.2	+-	.6	2.7	15.9	+- .6	5.1
028	335	5.0	19.0	+-	.6	3.0	16.6	+- .6	5.2
029	6	2.0	17.0	+-	.6	2.8	14.7	+- .6	5.0
030	356	1.1	17.7	+-	.6	2.8	15.3	+- .6	5.1
031	15	0.8	20.2	+-	.6	3.0	17.7	+- .7	5.3
032	40	0.0	MISSING OR DAMAGED DOSIMETER						
033	69	1.1	MISSING OR DAMAGED DOSIMETER						
034	292	15.	17.6	+-	.5	2.6	15.2	+- .6	5.1
035	282	27.	20.5	+-	.6	3.1	18.0	+- .7	5.3
036	268	21.	17.9	+-	.5	2.7	15.5	+- .6	5.1
TRANSIT DOSE =			2.0	+-	.3				
									4.4

WATERFORD
FOR THE PERIOD 850911-860113

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std. Dev.	# IN GROUP
348.75-11.25 (N)	15.3 \pm .8	3
11.25-33.75 (NNE)	16.3 \pm 2.0	2
33.75-56.25 (NE)	16.9 \pm 0.0	1
56.25-78.75 (ENE)	18.3 \pm 0.0	1
78.75-101.25 (E)	17.2 \pm .9	3
101.25-123.75 (ESE)	15.5 \pm 1.1	3
123.75-146.25 (SE)	16.4 \pm 1.0	3
146.25-168.75 (SSE)	15.7 \pm 1.4	2
168.75-191.25 (S)	15.2 \pm 0.0	1
191.25-213.75 (SSW)	17.1 \pm 0.0	1
213.75-236.25 (SW)	15.7 \pm 0.0	1
236.25-258.75 (WSW)	17.9 \pm 0.0	1
258.75-281.25 (W)	17.3 \pm 0.0	1
281.25-303.75 (WNW)	14.7 \pm 0.0	1
303.75-326.25 (NW)	17.2 \pm .7	2
326.25-348.75 (NNW)	16.4 \pm 1.5	3

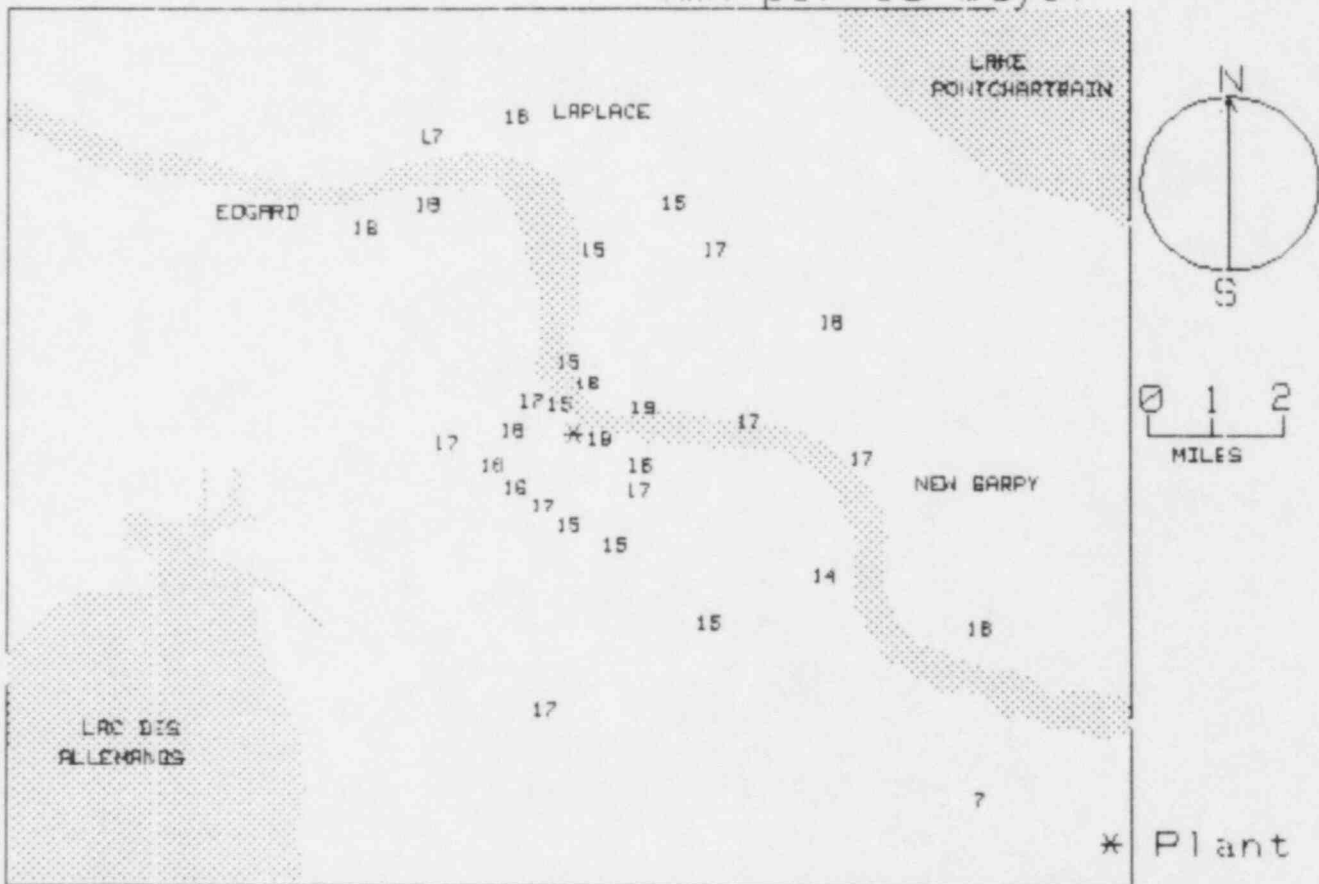
DISTANCE (mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std. Dev.	# IN GROUP
0-2	16.4 \pm 1.2	14
2-5	16.3 \pm 1.3	12
>5	16.4 \pm .8	3
UPWIND CONTROL DATA	16.3 \pm 1.5	3

WATERFORD

TLD DIRECT RADIATION 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	PARISH BOUNDARY
11	4.4	315	GOLD MINE PLANTATION
12	4.1	328	1mi.E.OF GOLD MINE PLANT.
13	.8	309	.6mi.E.OFLA19&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	HANNVILLE 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	N. 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

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



WATTS BAR
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
 FOR THE PERIOD 850917-860115 121 DAYS
 FIELD TIME 106 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE(mR)		NET EXPOSURE RATE	
	AZIMUTH/DIST (deg.) (mi.)		+ Rdm; Tot.		mR/Std. Otr. + Rdm; Tot.	
001	337	0.9	23.9	+- .7	15.0	+- .7
002	314	2.1	24.5	+- .7	15.0	+- .7
003	297	1.9	23.2	+- .7	15.0	+- .7
004	272	2.0	23.6	+- .7	15.0	+- .7
005	251	1.9	26.3	+- .8	17.0	+- .9
006	235	1.0	27.4	+- .8	18.0	+- .9
007	230	0.0	26.9	+- .8	18.0	+- .9
008	200	0.6	23.2	+- .7	15.0	+- .7
009	249	4.2	22.0	+- .7	14.0	+- .7
010	266	0.1	22.1	+- .7	14.0	+- .7
011	289	0.0	20.0	+- .6	13.0	+- .6
012	310	4.4	20.2	+- .6	13.0	+- .6
013	337	0.6	18.9	+- .6	12.0	+- .6
014	330	7.0	19.4	+- .6	12.0	+- .6
015	350	4.7	22.0	+- .7	14.0	+- .7
016	7	1.1	24.0	+- .7	16.0	+- .7
017	23	1.6	19.0	+- .6	12.0	+- .6
018	41	2.0	20.0	+- .6	13.0	+- .6
019	69	1.0	25.9	+- .8	17.0	+- .9
020	89	1.2	26.6	+- .8	18.0	+- .9
021	114	1.1	21.0	+- .7	13.0	+- .7
022	141	1.0	25.6	+- .8	17.0	+- .9
023	163	1.1	20.9	+- .7	13.0	+- .7
024	187	1.1	25.7	+- .8	17.0	+- .9
025	203	1.2	24.6	+- .8	16.0	+- .9
026	184	0.9	20.7	+- .7	13.0	+- .7
027	176	4.5	23.1	+- .7	15.0	+- .7
028	161	0.5	21.4	+- .7	13.0	+- .7
029	144	0.0	22.4	+- .7	14.0	+- .7
030	117	0.1	20.6	+- .6	13.0	+- .6
031	97	4.0	20.9	+- .6	13.0	+- .6
032	76	4.1	19.5	+- .6	12.0	+- .6
033	32	4.1	21.9	+- .7	14.0	+- .7
034	36	4.7	18.5	+- .6	11.0	+- .6
035	330	19.7	20.6	+- .6	13.0	+- .6
036	330	19.7	18.0	+- .6	11.0	+- .6
037	330	19.7	22.0	+- .7	14.0	+- .7
TRANSIT DOSE = 5.3 +- .4			6.1		4.9	

WATTS BAR
FOR THE PERIOD 850917-860115

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
348.75-11.25 (N)	15.7 \pm 1.1	2
11.25-33.75 (NNE)	12.8 \pm 1.7	2
33.75-56.25 (NE)	12.2 \pm 1.4	2
56.25-78.75 (ENE)	14.8 \pm 3.8	2
78.75-101.25 (E)	15.7 \pm 3.4	2
101.25-123.75 (ESE)	13.3 \pm .4	2
123.75-146.25 (SE)	15.9 \pm 1.9	2
146.25-168.75 (SSE)	16.9 \pm 4.5	2
168.75-191.25 (S)	15.2 \pm 2.1	3
191.25-213.75 (SSW)	15.8 \pm .8	2
213.75-236.25 (SW)	18.6 \pm .3	2
236.25-258.75 (WSW)	16.0 \pm 2.6	2
258.75-281.25 (W)	14.9 \pm .9	2
281.25-303.75 (WNW)	13.9 \pm 2.0	2
303.75-326.25 (NW)	14.5 \pm 2.6	2
326.25-348.75 (NNW)	13.1 \pm 2.3	3

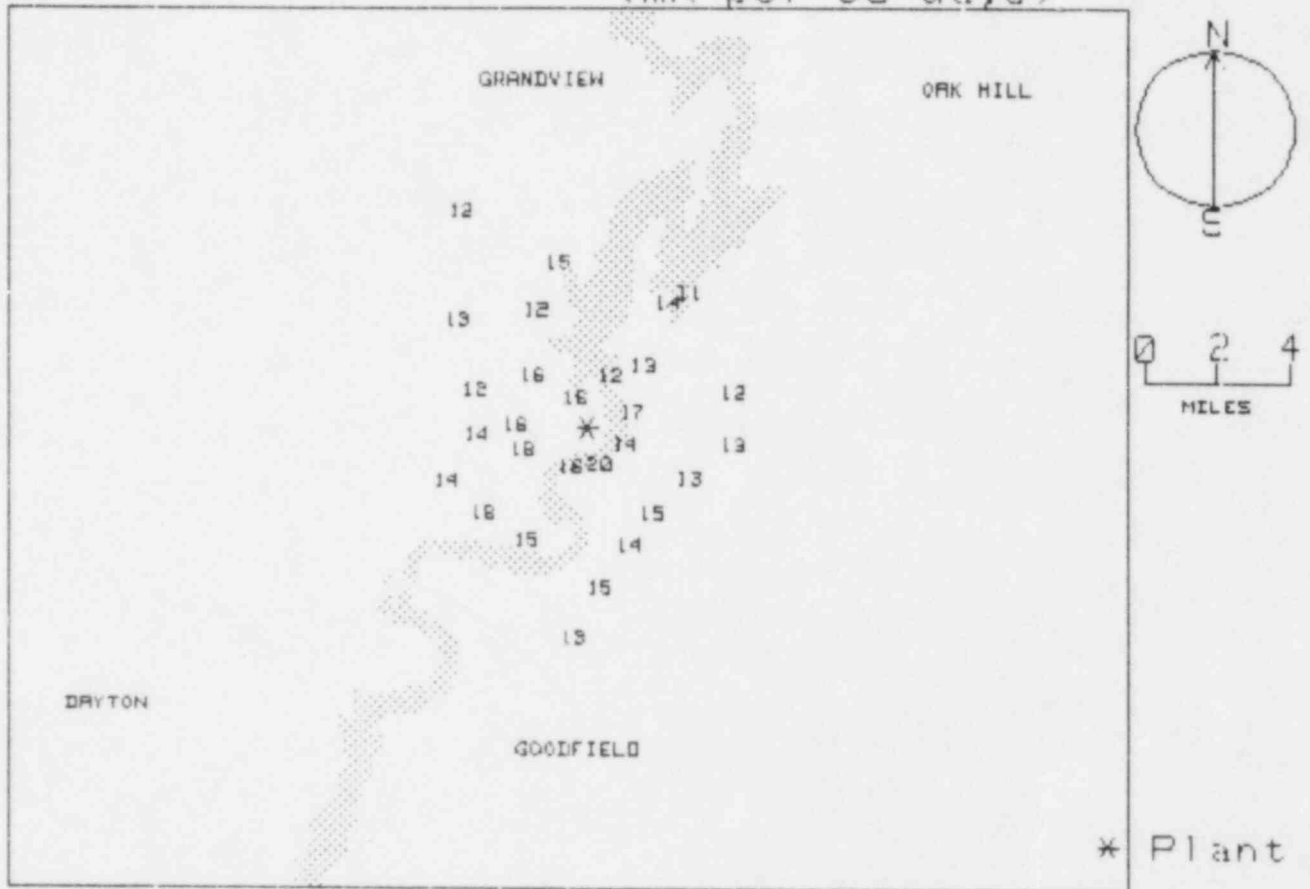
DISTANCE(mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
0-2	16.5 \pm 2.1	14
2-5	13.9 \pm 1.8	18
>5	12.6 \pm .8	2
UPWIND CONTROL DATA	13.1 \pm 1.7	3

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 - BREEDENTON 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	19.0	338	NEAR EXXON STATION
36	19.0	338	PARKING AREA OFF HWY. 68
37	19.0	338	IN FRONT OF RED BARN WITH SILO

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



WOLF CR.
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
 FOR THE PERIOD 858911-860108 120 DAYS
 FIELD TIME 94 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)		NET EXPOSURE RATE	
	AZIMUTH (deg.)	DIST (mi.)	+ Rdm; Tot.		mR/Std. Qtr.	+ Rdm; Tot.
001	316	2.9	24.1	+-	26	+-
002	330	1.0	22.7	+-	19	+-
003	360	2.0	23.4	+-	19	+-
004	355	1.6	23.5	+-	19	+-
005	031	1.0	22.3	+-	19	+-
006	47	2.	22.9	+-	19	+-
007	70	1.1	21.6	+-	18	+-
008	90	1.1	23.1	+-	19	+-
009	111	1.4	23.5	+-	19	+-
010	137	1.4	23.4	+-	19	+-
011	157	1.4	23.9	+-	19	+-
012	184	1.4	23.9	+-	19	+-
013	213	1.4	23.9	+-	19	+-
014	233	1.4	23.9	+-	19	+-
015	240	1.1	23.9	+-	19	+-
016	270	1.1	23.9	+-	19	+-
017	270	1.4	23.9	+-	19	+-
018	260	1.4	23.9	+-	19	+-
019	257	1.4	23.9	+-	19	+-
020	200	1.4	23.9	+-	19	+-
021	200	1.4	23.9	+-	19	+-
022	219	1.4	23.9	+-	19	+-
023	22	1.4	23.9	+-	19	+-
024	19	1.4	23.9	+-	19	+-
025	35	1.4	23.9	+-	19	+-
026	67	1.4	23.9	+-	19	+-
027	80	1.4	23.9	+-	19	+-
028	110	1.4	23.9	+-	19	+-
029	120	1.4	23.9	+-	19	+-
030	112	1.6	23.9	+-	19	+-
031	127	1.4	23.9	+-	19	+-
032	162	1.1	23.9	+-	19	+-
033	150	1.4	23.9	+-	19	+-
034	174	1.4	23.9	+-	19	+-
035	197	1.4	23.9	+-	19	+-
036	224	1.4	23.9	+-	19	+-
037	220	1.4	23.9	+-	19	+-
038	250	1.4	23.9	+-	19	+-
039	270	1.4	23.9	+-	19	+-
040	285	1.4	23.9	+-	19	+-
041	292	1.4	23.9	+-	19	+-
042	345	1.4	23.9	+-	19	+-
043	5	1.4	23.9	+-	19	+-
044	020	1.4	23.9	+-	19	+-
045	315	1.4	23.9	+-	19	+-
046	341	1.4	23.9	+-	19	+-
047	355	1.1	23.9	+-	19	+-
TRANSIT DOSE =	2.8	+-	4.8			

MISSED OR DAMAGED DOSIMETER

WOLF CR.
FOR THE PERIOD 850911-860108

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
348.75-11.25 (N)	19.6 \pm .3	4
11.25-33.75 (NNE)	19.3 \pm .7	3
33.75-56.25 (NE)	17.9 \pm 2.0	2
56.25-78.75 (ENE)	18.0 \pm 0.0	1
78.75-101.25 (E)	18.8 \pm .9	2
101.25-123.75 (ESE)	18.8 \pm 1.6	3
123.75-146.25 (SE)	18.4 \pm 2.0	3
146.25-168.75 (SSE)	19.8 \pm .4	3
168.75-191.25 (S)	20.2 \pm .0	2
191.25-213.75 (SSW)	20.7 \pm .3	2
213.75-236.25 (SW)	17.9 \pm 2.6	3
236.25-258.75 (WSW)	19.6 \pm .7	3
258.75-281.25 (W)	18.9 \pm 2.2	5
281.25-303.75 (WNW)	17.7 \pm 1.7	3
303.75-326.25 (NW)	20.4 \pm 1.3	3
326.25-348.75 (NNW)	19.9 \pm .8	4

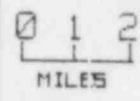
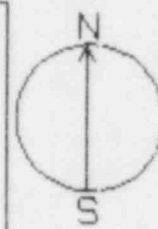
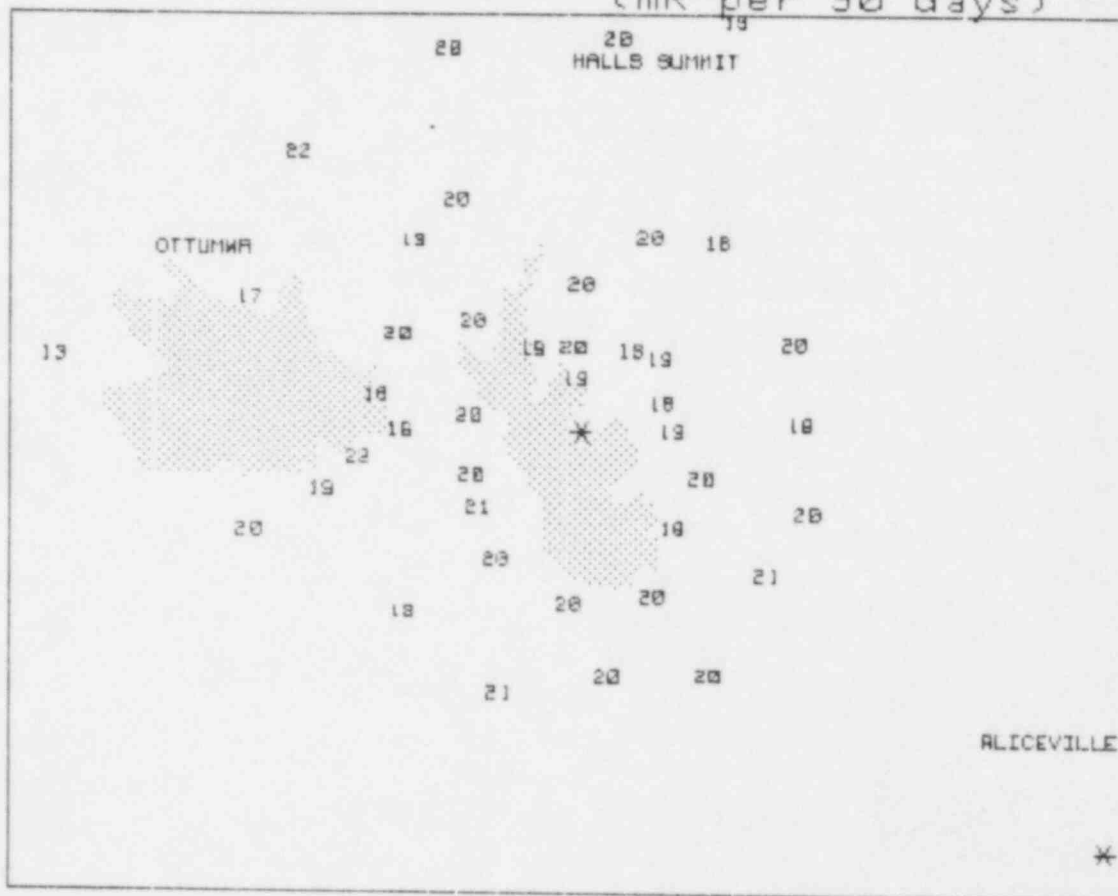
DISTANCE(mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
0-2	19.0 \pm .6	7
2-5	19.3 \pm 1.4	24
>5	18.9 \pm 1.9	15
UPWIND CONTROL DATA	NO DATA	NO DATA

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
19	5.0	257	POLE ON SW CORNER
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 CH. PGROUND
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

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



* Plant

YANKEE ROWE
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
 FOR THE PERIOD 850918-860207 143 DAYS
 FIELD TIME 112 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)		NET EXPOSURE RATE	
	AZIMUTH (deg.)	DIST (mi.)	+ Rdm	Tot.	mR/Std. Qtr.	+ Rdm; Tot.
001	0	.0	29.3	+	19.2	+
002	265	14.	24.2	+	15.1	+
003	137	12.	24.0	+	15.6	+
005	85	2.2	22.3	+	13.6	+
006	118	2.6	23.1	+	14.3	+
007	137	2.1	27.4	+	16.9	+
008	153	1.7	25.1	+	15.9	+
009	176	1.1	25.2	+	15.9	+
010	200	.5	25.6	+	16.2	+
011	219	.6	25.3	+	16.0	+
012	233	1.1	21.7	+	21.3	+
013	232	1.1	25.1	+	16.6	+
014	239	1.1	25.3	+	16.6	+
015	215	1.4	25.7	+	17.1	+
016	344	1.4	25.0	+	16.4	+
017	358	2.0	21.6	+	16.4	+
018	21	2.0	24.4	+	15.6	+
019	43	2.0	25.2	+	15.9	+
020	75	2.6	25.6	+	16.6	+
021	98	2.6	25.5	+	16.0	+
022	104	2.2	21.4	+	12.0	+
023	133	2.2	25.8	+	11.7	+
024	157	2.5	23.7	+	14.7	+
025	184	2.3	25.4	+	16.1	+
027	225	2.5	25.1	+	15.0	+
029	262	2.9	25.7	+	16.6	+
032	344	2.3	25.7	+	16.6	+
034	408	2.7	26.6	+	17.1	+
035	39	2.3	22.9	+	14.1	+
047	260	2.6	25.1	+	16.7	+
048	261	2.9	25.4	+	16.7	+
TRANSIT DOSE =	5.4	+	4	6.4		

MISSING OR DAMAGED DOSIMETER

YANKEE ROWE
FOR THE PERIOD 850918-860207

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
348.75-11.25 (N)	19.2 \pm 0.0	1
11.25-33.75 (NNE)	15.3 \pm 0.0	1
33.75-56.25 (NE)	15.7 \pm 1.5	3
56.25-78.75 (ENE)	16.0 \pm 0.0	1
78.75-101.25 (E)	13.7 \pm .1	2
101.25-123.75 (ESE)	13.5 \pm 1.0	2
123.75-146.25 (SE)	14.7 \pm 2.7	3
146.25-168.75 (SSE)	15.3 \pm .8	2
168.75-191.25 (S)	16.0 \pm .1	2
191.25-213.75 (SSW)	16.2 \pm 0.0	1
213.75-236.25 (SW)	15.9 \pm .1	2
236.25-258.75 (WSW)	21.2 \pm 0.0	1
258.75-281.25 (W)	16.0 \pm .8	3
281.25-303.75 (WNW)	16.3 \pm 0.0	1
303.75-326.25 (NW)	17.1 \pm 0.0	1
326.25-348.75 (NNW)	16.4 \pm .1	2

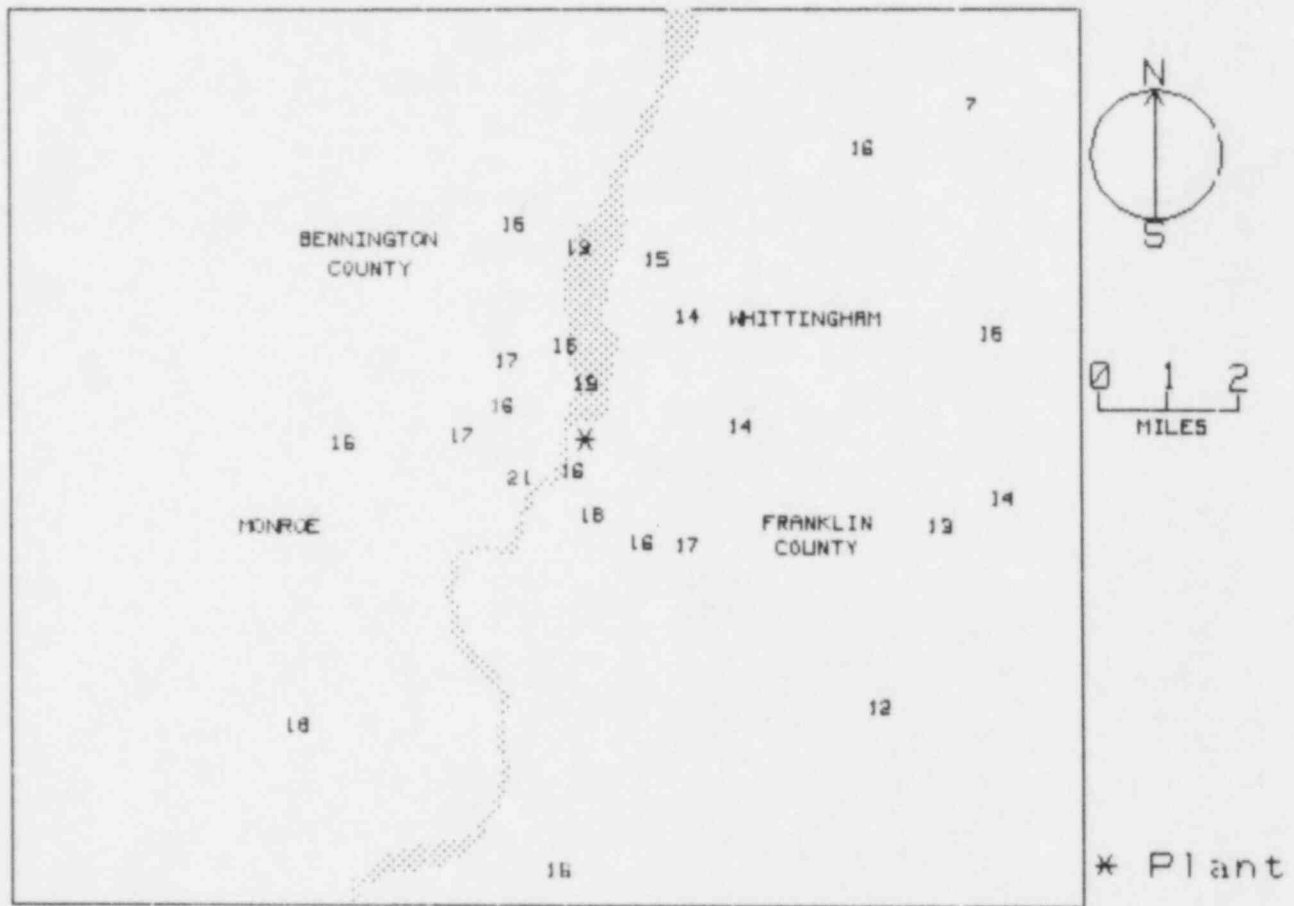
DISTANCE(mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
0-2	17.1 \pm 1.7	10
2-5	15.2 \pm 1.3	7
>5	15.0 \pm 1.6	11
UPWIND CONTROL DATA	17.6 \pm 1.3	2

YANKEE ROWE

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING LOCATIONS

STATION	DIST(mi.)	DIR	DESCRIPTION
1	.8	0	VT/MASS LINE-READSBORO ROAD
2	14.0	265	WILLIAMSTOWN SUBSTATION
3	12.0	137	CREAMERY AVE. (BUCKLAND)
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

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



ZION
 TLD DIRECT RADIATION ENVIRONMENTAL MONITORING
 FOR THE PERIOD 850912-860108 119 DAYS
 FIELD TIME 93 DAYS

NRC STATION	LOCATION		GROSS EXPOSURE (mR)			NET EXPOSURE RATE		
	AZIMUTH (deg.)	DIST (mi.)	+/-	Rdm	Tot.	mR/Std. Dev.	+/-	Rdm; Tot.
001	298	0.8	19.3	+-	.6	15.4	+-	.6
002	192	1.0	16.0	+-	.5	12.2	+-	.6
003	187	1.5	16.6	+-	.5	12.8	+-	.6
004	227	2.4	19.1	+-	.6	15.2	+-	.6
005	257	1.8	18.9	+-	.6	15.0	+-	.6
006	264	1.2	18.8	+-	.6	14.9	+-	.6
007	287	1.6	18.7	+-	.6	14.8	+-	.6
008	320	1.0	17.4	+-	.5	13.6	+-	.6
009	343	2.0	17.4	+-	.5	13.6	+-	.6
010	356	4.5	16.7	+-	.5	12.8	+-	.6
011	337	4.5	20.3	+-	.6	16.4	+-	.6
012	318	4.5	21.4	+-	.6	17.4	+-	.6
013	293	3.5	20.9	+-	.6	17.0	+-	.6
014	288	4.5	20.5	+-	.6	16.5	+-	.6
015	239	3.0	20.3	+-	.6	16.3	+-	.6
016	227	3.5	20.2	+-	.6	16.2	+-	.6
017	218	4.5	18.5	+-	.6	14.6	+-	.6
018	206	2.0	17.2	+-	.5	13.3	+-	.6
019	342	2.7	17.0	+-	.5	13.1	+-	.6
020	197	15'	21.0	+-	.7	17.0	+-	.7
021	352	7.9	17.7	+-	.5	13.9	+-	.6
022	348	0.0	MISSING OR DAMAGED DOSIMETER					
023	336	0.5	18.6	+-	.6	14.7	+-	.6
024	314	0.0	20.2	+-	.6	16.3	+-	.6
025	228	0.0	18.5	+-	.6	14.6	+-	.6
026	195	0.0	17.5	+-	.5	13.6	+-	.6
028	197	15'	21.1	+-	.6	17.2	+-	.6
030	328	9.0	19.9	+-	.6	16.0	+-	.6
031	229	0.0	19.0	+-	.6	15.1	+-	.6
032	193	14	22.1	+-	.7	18.1	+-	.6
TRANSIT DOSE =			3.4	+-	.3	;	4.9	

ZION
FOR THE PERIOD 850912-860108

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING

AZIMUTH (deg.)	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
348.75-11.25 (N)	13.4 \pm .7	2
11.25-33.75 (NNE)	NO DATA--NO DATA	0
33.75-56.25 (NE)	NO DATA--NO DATA	0
56.25-78.75 (ENE)	NO DATA--NO DATA	0
78.75-101.25 (E)	NO DATA--NO DATA	0
101.25-123.75 (ESE)	NO DATA--NO DATA	0
123.75-146.25 (SE)	NO DATA--NO DATA	0
146.25-168.75 (SSE)	NO DATA--NO DATA	0
168.75-191.25 (S)	12.8 \pm 0.0	1
191.25-213.75 (SSW)	13.4 \pm 1.0	4
213.75-236.25 (SW)	15.3 \pm .7	4
236.25-258.75 (WSW)	15.7 \pm 1.0	2
258.75-281.25 (W)	15.7 \pm 1.2	2
281.25-303.75 (WNW)	15.7 \pm 1.1	3
303.75-326.25 (NW)	15.8 \pm 1.6	4
326.25-348.75 (NNW)	14.5 \pm 1.4	4

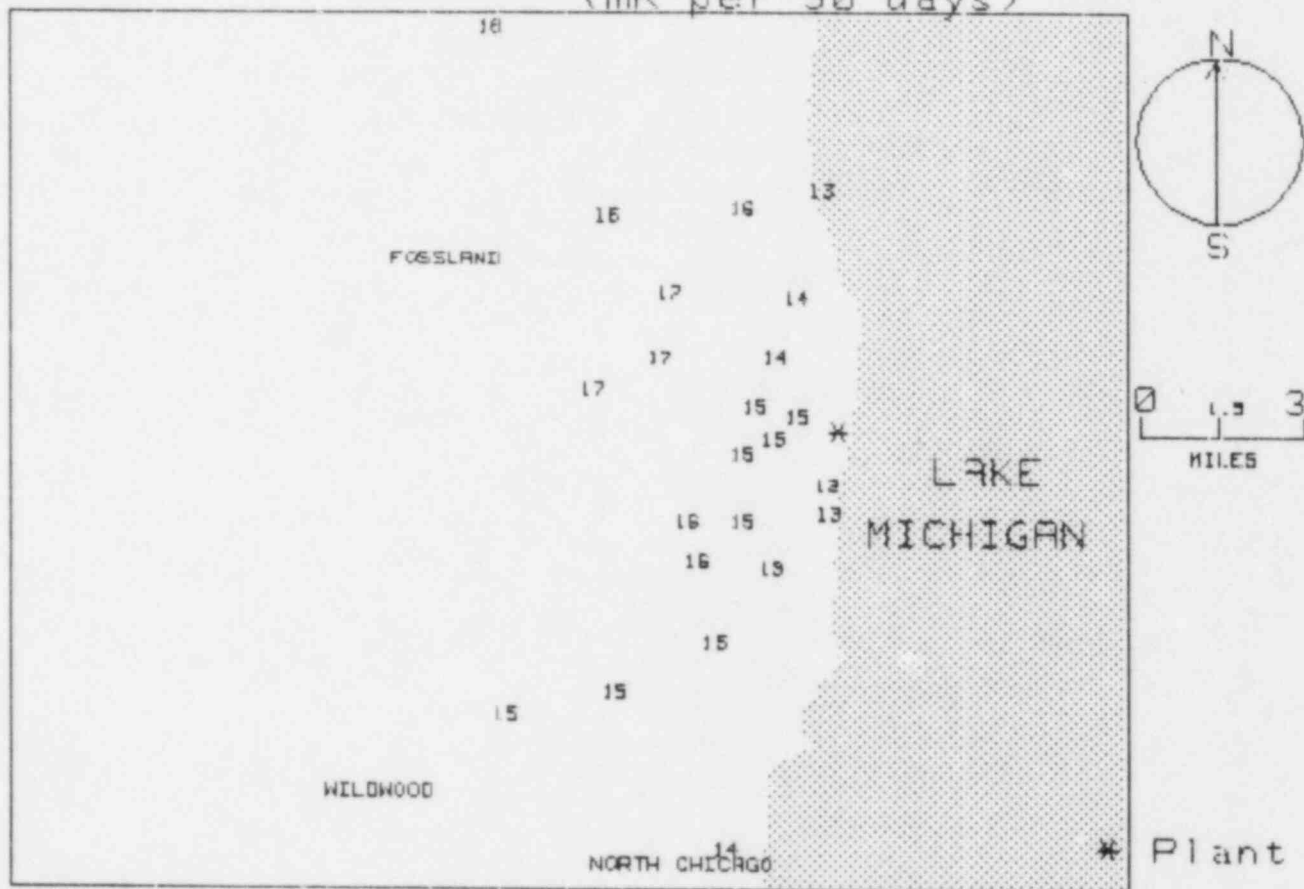
DISTANCE (mi) FROM THE REACTOR	AVER. EXPOSURE RATE (mR/Std.Qtr.) \pm Std.Dev.	# IN GROUP
0-2	14.1 \pm 1.2	7
2-5	15.2 \pm 1.6	12
>5	14.8 \pm 1.0	7
UPWIND CONTROL DATA	17.7 \pm .5	3

ZION

TLD DIRECT RADIATION ENVIRONMENTAL MONITORING LOCATIONS

STATION	DIST(mi.)	DIR	DESCRIPTION
1	.8	290	SHILOH BLVD. NEAR RECYCLING CENTER
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	15.0	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	15.0	197	ILLINOIS STATE RT. 60
30	9.8	320	PLEASANT PRAIRIE SCHOOL
31	8.0	229	WARREN TOWNSHIP HIGH SCHOOL
32	14.0	193	SANDERS RD OFF IL-60 NEAR IS-94

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



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2 TITLE AND SUBTITLE NRC TLD Direct Radiation Monitoring Network Progress Report October-December 1985		4 DATE REPORT COMPLETED MONTH YEAR April 1986	
5 AUTHOR(S) J. Jang, K. Rabatin, L. Cohen		6 DATE REPORT ISSUED MONTH YEAR May 1986	
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11 ABSTRACT (200 words or less) <p>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 1985.</p>			
14 DOCUMENT ANALYSIS - KEYWORDS/DESCRIPTORS Thermoluminescent Dosimeter (TLD) Direct Radiation Monitoring Network ambient radiation levels		15 AVAILABILITY STATEMENT Unlimited	
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