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April 28, 2003
BYR 2003-034

United States Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555

References: (a) License No. DPR-3 (Docket No. 50-29)

Subject: 2002 ANNUAL RADIOLOGICAL ENVIRONMENTAL OPERATING REPORT

Enclosed is the 2002 Annual Radiological Environmental Operating Report. This report summarizes the findings of the Radiological Environmental Monitoring Program (REMP) conducted by Yankee Atomic Electric Company (YAEC) in the vicinity of the Yankee Nuclear Power Station (YNPS) in Rowe, Massachusetts. This information is submitted in accordance with YNPS Defueled Technical Specification 6.8.2.a.

We trust this information is satisfactory; however, if you have any questions, please contact me at (978) 568-2302.

Very truly yours,

YANKEE ATOMIC ELECTRIC COMPANY

J. A. Kay

James A. Kay
Principal Licensing Engineer

Enclosure

c: J. Hickman, USNRC, Project Manager
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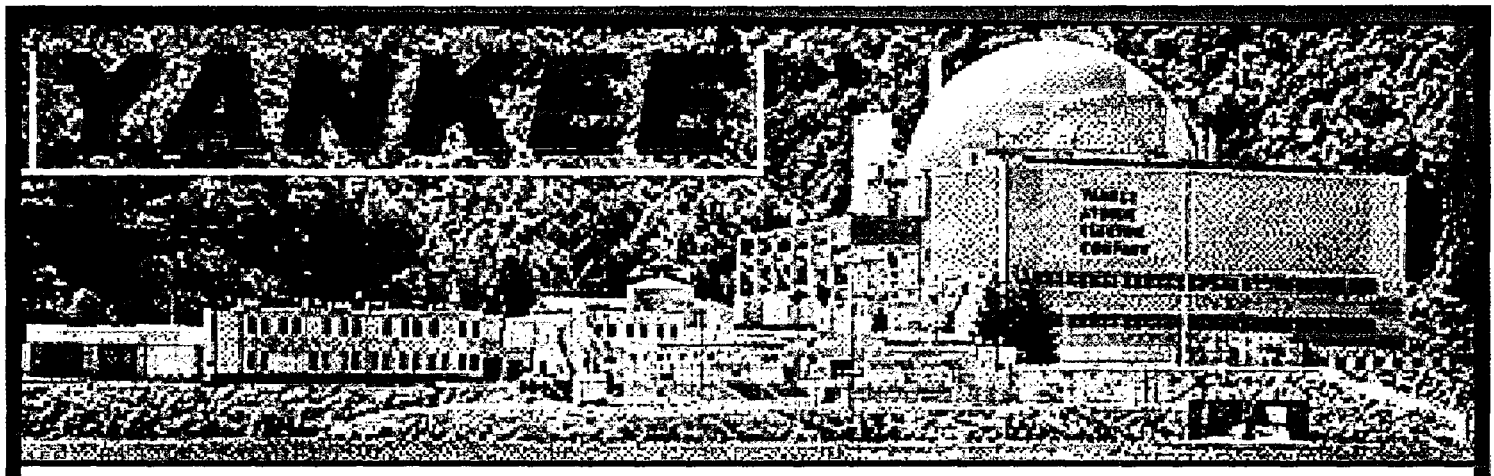

ANNUAL RADIOLOGICAL ENVIRONMENTAL OPERATING REPORT (AREOR)

YANKEE ROWE STATION

RADIOLOGICAL ENVIRONMENTAL MONITORING PROGRAM

JANUARY 1, 2002 - DECEMBER 31, 2002

DOCKET NO. 50-29
LICENSE NO. DPR-3

YANKEE ATOMIC ELECTRIC COMPANY
Rowe, Massachusetts

FRAMATOME ANP DOC. # 47-5026082-00

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1.0 EXECUTIVE SUMMARY

The radiological environmental monitoring program for the Yankee Rowe Nuclear Power Station was continued for the period January through December 2002, in compliance with the Technical Specifications and the Off-Site Dose Calculation Manual (ODCM). This annual report was prepared for the Yankee Atomic Electric Company (YAEC) by the Radiological Analysis Group of Framatome ANP (FANP). Sample collection and preparation was performed by Normandeau Associates. Gamma exposure rate measurements and laboratory analyses were performed by Framatome ANP Environmental Laboratory (FANPEL).

Thermoluminescent dosimeters (TLDs) were used to measure direct gamma exposure in the vicinity of the station and as far away as 22.2 miles. Radiochemical and radiological analyses of samples were performed to detect the presence of any station-related radioactivity. Samples collected include air-particulate filters, milk, broad leaf vegetation, water (ground, surface, well), fruits, vegetables, bottom sediment, and fish. In evaluating the results of these analyses it is necessary to consider the variability of natural and man-made sources of radioactivity, distribution in the environment and uptake in environmental media. This variability is dependent on many factors including station release rates, past spatial variability of radioactive fallout from nuclear weapons tests and on-going redistribution of the fallout, contribution from cosmically produced radioactivity, ground water dynamics, soil characteristics, farming practices, and feed type. Any one of these factors could cause significant variations in measured levels of radioactivity. Therefore, these factors need to be considered in order to properly explain any variations in radiation detected and to distinguish between natural and station related radioactivity.

Yankee Rowe was permanently shutdown in 1991. Primary activities at the Yankee Rowe station are now focused on fuel storage, site decontamination and facility decommissioning. Even though the station is no longer generating power, decommissioning activities include processing and discharging of liquids containing radioactivity and monitoring for any release of airborne radioactivity. However, the levels of radioactivity released are significantly lower than releases during plant operation. The radiological monitoring of the environment through this program will continue to assure the health and safety of the public and workers are maintained at all times.

The predominant radioactivity detected by the monitoring program was that from outside sources, such as fallout from nuclear weapons tests and naturally occurring radionuclides. As typical of previous years, station-related radioactivity was observed at some of the monitoring locations. The specific observations of station effects were tritium in ground water and Cobalt-60 in bottom sediment. Air sample results demonstrated that no plant-related airborne particulate activity was found.

During 2002, there were no changes made to the radiological environmental monitoring program.

2.0 INTRODUCTION

2.1 General Plant Site Information

The Yankee Nuclear Power Station (YNPS) is located on a 2200-acre site in a predominantly rural area of northwestern Massachusetts, three-quarters of a mile south of the Vermont border. The plant resides in the town of Rowe, Massachusetts, approximately 9 air miles east-northeast of North Adams, Massachusetts. The surrounding area is heavily forested and lightly populated. Hills bounding the river valley rise 500 to 1000 feet above the site, reaching elevations of 2100 feet.

The Deerfield River is used extensively for hydroelectric power generation both upstream and downstream of YNPS. Sherman Dam, immediately adjacent to YNPS, operates as a hydroelectric generating station. Sherman Pond, the impoundment behind this dam, has been used as a source of cooling water for YNPS.

YNPS voluntarily shut down on October 1, 1991 after 31 years of operation. The plant is involved in the process of decommissioning which involves the disassembly and removal of the plant components and structures. This process is taking place in strict conformance with USNRC regulations. Oversight of the decommissioning process will also continue from the U.S. Environmental Protection Agency, the Massachusetts Department of Environmental Protection, Massachusetts Department of Public Health, and Massachusetts Emergency Management Administration.

The Radiological Environmental Monitoring Program for YNPS continued during 2002 and will continue throughout the decommissioning period until its 10CFR50 license is terminated.

2.2 Program Design

The Radiological Environmental Monitoring Program for the YNPS was designed with specific objectives in mind. These were:

- To provide an early indication of the appearance or accumulation of any radioactive material in the environment caused by YNPS activities.
- To provide assurance to regulatory agencies and the public that the environmental impact from YNPS is known and within anticipated limits.
- To verify the adequacy and proper functioning of station effluent controls and monitoring systems.
- To provide standby monitoring capability for rapid assessment of risk to the general public in the event of unanticipated or accidental releases of radioactive material.

These objectives will continue to be in force, to varying degrees, throughout decommissioning activities at the YNPS site. Due to the shutdown status of the plant and due to the relatively low quantities of radioactive material now on the site, some of the objectives have a different degree of importance than in the past.

The radiological environmental monitoring program was initiated in 1958, approximately two years before the plant began operation in 1960. It has been in operation continuously since that time, with improvements made periodically over those years. The program continued without modification following the shutdown of the plant in 1991 and was reduced in scope beginning in 1997 primarily to reflect the absence of short-lived radionuclides in various pathways resulting from the plant shutdown (no source of production) and the individual radionuclides short half-life (long decay time since the shutdown).

The program was designed to meet the intent of NRC Regulatory Guide 4.1, *Programs for Monitoring Radioactivity in the Environs of Nuclear Power Plants*; NRC Regulatory Guide 4.8, *Environmental Technical Specifications for Nuclear Power Plants*; the NRC Branch Technical Position of November 1979 entitled, *An Acceptable Radiological Environmental Monitoring Program*; and NRC NUREG-0472, *Radiological Effluent Technical Specifications for PWR's*.

The environmental TLD program was designed and tested around NRC Regulatory Guide 4.13, *Performance, Testing and Procedural Specifications for Thermoluminescence Dosimetry: Environmental Applications*. The quality assurance program was designed around the guidance given in NRC Regulatory Guide 4.15, *Quality Assurance for Radiological Monitoring Programs (Normal Operations) - Effluent Streams and the Environment*.

The sampling requirements of the REMP are given in Table 4.1 of the ODCM and in Table 2.1 of this report. The identification of the required sampling locations is given in Table 4.4 of the ODCM and in Tables 2.2 and 2.3 of this report. The sampling and monitoring locations are shown graphically on the maps in Figures 2.1 through 2.6.

2.3 Monitoring Zones

The REMP is designed to allow comparison of levels of radioactivity in samples from the area possibly influenced by the plant to levels found in areas not influenced by the plant. The first area locations are called "indicators", and the second area locations are called "controls." The distinction between the two areas, depending on the type of sample or sample pathway, is based on one or more of several factors, such as site meteorological history, meteorological dispersion calculations, relative direction from the plant, river flow, and distance. Analysis of survey data from the two areas aids in determining if there is a significant difference between the two areas. It can also help in differentiating between radioactivity or radiation due to plant activities and that due to other fluctuations in the environment, such as atmospheric nuclear weapons test fallout or seasonal variations in the natural background.

2.4 Pathways Monitored

Four pathway categories are monitored by the REMP. They are the direct radiation, airborne, waterborne, and ingestion pathways. Each of these four categories is monitored by the collection of one or more sample media, which are listed below, and are described in more detail in this section:

- Airborne Pathway
  - Air Particulate Sampling
- Waterborne Pathways
  - River Water Sampling
  - Ground Water Sampling

Storm Drain Water Sampling
Sediment Sampling
Ingestion Pathways
Milk Sampling
Fish Sampling
Food Product (fruits & vegetables, broad leaf vegetation) and Maple Syrup Sampling
Direct Radiation Pathway
TLD Monitoring

2.5 Descriptions of Monitoring Programs

Sample types and frequency of analysis are given in Table 2.1. The sample locations are listed in Table 2.2 and Table 2.3 and shown in Figures 2.1 - 2.6. The program as described here includes both required samples as specified in the Off-Site Dose Calculation Manual (ODCM) and any extra samples. Following is a detailed description of the sampling program:

2.5.1 Air Sampling

Continuous air samplers are installed at six locations, five of which are required by the YNPS ODCM. The sampling pumps at these locations operate continuously at a flow rate of approximately one cubic foot per minute. Airborne particulates are collected by passing air through a 47-mm glass-fiber filter. A dry gas meter is incorporated into the sampling stream to measure the total volume of air sampled in a given interval. The entire system is housed in a weatherproof structure. The filters are collected biweekly, and, to allow for the decay of radon daughter products, they are held for at least 100 hours at the Framatome ANP Environmental Lab (FANPEL) before being analyzed for gross-beta radioactivity (indicated as GR-B in the data tables). The biweekly filters are composited by location at the FANPEL for a quarterly gamma spectroscopy analysis.

2.5.2 River Water Sampling

An automatic composite sampler is located at one downstream sampling location. The sampler is controlled by timers that collect an aliquot of river water at least every two hours over a period of one month. Grab samples are collected monthly at Sherman Pond and at one upstream location. All river water samples are preserved with HCl and $NaHSO_3$, or HNO_3, to prevent the plate out of potentially present radionuclides on the container walls. Each sample is analyzed for gross-beta and gamma-emitting radionuclides. The monthly samples are composited quarterly by location at the FANPEL for a H-3 analysis. The monthly H-3 samples are also analyzed as a non-ODCM requirement.

2.5.3 Ground Water Sampling

Grab samples are collected monthly from two on-site locations. The ODCM requires samples to be collected at least once per quarter. Each sample is required by the ODCM to be analyzed for gamma-emitting radionuclides and H-3. Samples are also analyzed for gross beta activity, which is not an ODCM requirement. Gross beta analyses are performed to gather additional data that may help to provide early detection of plant-related activity.

2.5.4 Storm Drain Water Sampling

Grab samples are collected monthly from the East and West Storm Drain. These are not ODCM required sampling locations. This water is comprised of a network of storm drains connected to parking areas, associated facility, and administration building, as well as groundwater and precipitation (including snowmelt) draining from the east side and west side of the plant facility. Neither storm drain network is directly connected to any plant operation. Each sample is analyzed for gross-beta and gamma-emitting radionuclides and H-3.

2.5.5 Sediment Sampling

Shoreline sediment cores are collected semiannually from two locations, one upstream and one downstream of the plant. At each location, six two-inch inner diameter plastic coring tubes are driven into the sediment at least six inches deep. The cores are carefully extracted and kept in an upright position and frozen prior to delivery to the FANPEL. At the FANPEL, the frozen cores are cut into 5 cm (two-inch) segments. For each location, the 0-5 cm segments are blended into a single sample, as are the 5-10 cm and 10-15 cm segments. These composite samples are then analyzed for gamma-emitting radionuclides.

An additional bottom sediment core is collected semiannually in Sherman Pond near the plant discharge. A Wildco K. B. Core Sampler, fitted with a plastic coring tube, is dropped from a boat. Six cores are collected here, and are processed and analyzed as described above.

2.5.6 Milk Sampling

Milk samples are collected monthly from one control location. Immediately after collection, the milk sample is preserved with an appropriate amount of formaldehyde. The sample is analyzed for gamma-emitting radionuclides. Although not required by the ODCM, Sr-89 and Sr-90 analyses are also performed on quarterly composite samples.

2.5.7 Fish Sampling

Fish samples are collected semiannually at two locations (upstream of the plant and in Sherman Pond). A gill net is set overnight from a boat, and mixed species of fish are removed the following day. The species typically collected are yellow perch, smelt, pickerel, trout, bullheads or suckers. The fish samples are frozen and delivered to the FANPEL where the edible portions are analyzed for gamma-emitting radionuclides.

2.5.8 Food Product Sampling

Food products are collected annually (at harvest) at three locations. The samples are either tuberous vegetables, above-ground vegetables, or fruit. Two indicator locations are chosen as a result of the annual Land Use Census, based on meteorological dispersion calculations. The third location is a control, which is located sufficiently far away from the plant to be outside any potential influence from it. The edible portions of the samples are then analyzed at the FANPEL for gamma-emitting radionuclides.

2.5.9 Maple Syrup Sampling

Maple syrup is an important commercial product in northern New England, including the YNPS plant environs. Consequently, samples are collected annually from two or three locations although there is no ODCM requirement. These samples are collected from the syrup manufacturer as a finished product, that is, following the boiling down of the maple sap. Since the samples have already been boiled down as part of the syrup production process, no preservatives are needed in the samples. Following collection, the samples are analyzed at the FANPEL for gamma-emitting radionuclides. It should be noted that because of the boiling down and filtering of the sap, the resulting radionuclide measurements do not represent actual environmental concentrations. It is estimated that the resulting syrup has been concentrated by a factor of from 15 to 120 times the original sap, depending mostly on the time of the season that the sap was collected.

2.5.10 TLD Monitoring

Direct gamma radiation exposure is continuously monitored with the use of thermoluminescent dosimeters (TLDs). Specifically, Panasonic UD-801AS1 and UD-814AS1 calcium sulfate dosimeters are used, with a total of five elements in place at each monitoring location. Each pair of dosimeters is sealed in a plastic bag, which is in turn housed in a plastic-screened container. This container is attached to an object such as a tree, fence or utility pole. TLDs are posted at 33 locations, with 24 of these stations required by the ODCM. All the TLDs are read out quarterly. Normandeau posts and retrieves all TLDs, while the FANPEL processes them.

TABLE 2.1

Radiological Environmental Monitoring Program (as required by ODCM Table 4.1)

Exposure Pathway And/or Sample Media	Collection			Analysis	
	Number of Sample Locations	Routine Sampling Mode	Collection Frequency	Analysis Type	Analysis Frequency
1. Direct Radiation (TLDs)	24*	Continuous	Quarterly	Gamma Dose	Each TLD
2. Airborne: Particulates	5	Continuous	Once per two weeks	Gross Beta Gamma Isotopic	Each Sample Quarterly Composite by Location
3. Waterborne					
a. Surface Water	1	Composite at two hour intervals-Downstream	Monthly	Gross Beta Gamma Isotopic Tritium (H-3)	Each Sample Each Sample Quarterly Composite
	1	Grab -Upstream	Monthly		
b. Ground Water	2	Grab	Quarterly	Gamma Isotopic Tritium (H-3)	Each Sample Each Sample
c. Shoreline Sediment	1	Grab	Semiannually	Gamma Isotopic	Each Sample

* Does not include General Site Area and Owner Controlled Area fence locations.

TABLE 2.1
(Continued)

Radiological Environmental Monitoring Program
(As required by ODCM Table 4.1)

Exposure Pathway And/or Sample Media	Collection			Analysis	
	Nominal Number of Sample Locations	Routine Sampling Mode	Nominal Collection Frequency	Analysis Type	Analysis Frequency
4. Ingestion					
a. Milk	1*	Grab	Monthly	Gamma Isotopic	Each sample
b. Fish	2	Grab	Semiannually (or seasonal if appropriate)	Gamma Isotopic on edible portions	Each sample
c. Food Products					
Tuberous or above ground vegetables, or fruit	3	Grab	At harvest	Gamma Isotopic on edible portion	Each sample

* See Table 4.1 in ODCM.

TABLE 2.2

Radiological Environmental Monitoring Locations (non-TLD) in 2002
Yankee Nuclear Power Station

Exposure Pathway	Station Code	Station Description	Type[a]	Distance From Plant (km)	Direction From Plant
1. Airborne					
	AP-11	Observation Stand	I	0.5	NW
	AP-12	Monroe Bridge	I	1.1	SW
	AP-13	Rowe School	I	4.2	SE
	AP-14	Harriman Station	I	3.2	N
	AP-21	Williamstown, MA	C	22.2	W
	AP-31	YAEC Visitor's Center	I	0.8	SW
2. Waterborne					
a. Surface					
	WR-11	Bear Swamp Lower	I	6.3	Down-river
	WR-21	Harriman Reservoir	C	10.1	Up-river
	WR-31	Sherman Pond	I	0.1	N
b. Ground					
	WG-11	Plant Potable	I	On-site	--
	WG-12	Sherman Spring	I	0.2	NW
c. Storm Drain					
	WW-51	East Storm Drain	I	On-site	--
	WW-52	West Storm Drain	I	On-site	--
d. Sediment					
	SE-11	No. 4 Station	I	36.2	Down-river
	SE-21	Harriman Reservoir	C	10.1	Up-river
	SE-91	Sherman Pond	I	0.1	N
3. Ingestion					
a. Milk					
	TM-21[b]	Williamstown, MA	C	21	WSW
b. Fish					
	FH-11	Sherman Pond	I	1.5	Near Discharge
	FH-21	Harriman Reservoir	C	10.1	Up-river

[a] I=Indicator Station, C=Control Station.

[b] No sampling location is available within five miles.

TABLE 2.2
(Continued)

Radiological Environmental Monitoring Locations (non-TLD) in 2002
Yankee Nuclear Power Station

Exposure Pathway	Station Code	Station Description	Type[a]	Distance From Plant (km)	Direction From Plant
Food Products					
	TF-11	Monroe Bridge, MA	I	1.3	SW
	TF-13	Monroe, MA	I	1.9	WNW
	TF-21	Williamstown, MA	C	21.0	WSW
	MS-33 (Maple Syrup)	Rowe, MA	I	1.0	S
	MS-45 (Maple Syrup)	Florida, MA	C	10.5	WSW

[a] I=Indicator Station, C=Control Station.

TABLE 2.3

Radiological Environmental Monitoring Locations (TLD) in 2002
Yankee Nuclear Power Station

Station Code	Station Description	Type[a]	Distance From Plant (km)	Direction From Plant
GM-1	YAEC Visitors' Center	I	0.8	SW
GM-2	Observation Stand	I	0.5	NW
GM-3	Rowe School	I	4.2	SE
GM-4	Harriman Station	I	3.2	N
GM-5	Monroe Bridge	I	1.1	SW
GM-6	Readsboro Road Barrier	I	1.3	N
GM-7	Whitingham Line	I	3.5	NE
GM-8	Monroe Hill Barrier	I	1.8	S
GM-9	Dunbar Brook	I	3.2	SW
GM-10	Cross Road	I	3.5	E
GM-11	Adams High Line	I	2.1	WNW
GM-12	Readsboro, VT	I	5.5	NNW
GM-13[b]	Restricted Area Fence	F	0.08	WSW
GM-14[b]	Restricted Area Fence	F	0.11	WNW
GM-15[b]	Restricted Area Fence	F	0.08	NNW
GM-16[b]	Restricted Area Fence	F	0.13	NNE
GM-17[b]	Restricted Area Fence	F	0.14	ENE
GM-18[b]	Restricted Area Fence	F	0.14	ESE
GM-19[b]	Restricted Area Fence	F	0.16	SE
GM-20[b]	Restricted Area Fence	F	0.16	SSE
GM-21[b]	Restricted Area Fence	F	0.11	SSW
GM-22	Heartwellville, VT	C	12.6	NNW
GM-23	Williamstown Substation	C	22.2	W
GM-25	Whitingham, VT	O	7.7	NNE
GM-27	Number 9 Road	O	7.6	ENE
GM-29	Route 8A	O	8.2	ESE

a I = Indicator TLD; C = Control TLD; O = Outer Ring TLD; F = Fenceline TLD.

b These TLDs are located inside of the site boundary and not, therefore, part of the REMP program. These were placed inside of the site boundary to provide early indication of the potential increase in site boundary dose due to plant-related activities.

TABLE 2.3
(Continued)

Radiological Environmental Monitoring Locations (TLD) in 2002
Yankee Nuclear Power Station

Station Code	Station Description	Type[a]	Distance From Plant (km)	Direction From Plant
GM-31	Legate Hill Road	O	7.6	SSE
GM-32	Rowe Road	O	7.9	S
GM-33	Zoar Road	O	6.9	SSW
GM-35	Whitcomb Summit	O	8.6	WSW
GM-36	Tilda Road	O	6.6	W
GM-38	West Hill Road	O	6.6	NW
GM-40	Readsboro Road	I	0.5	W

[a] I = Indicator TLD; C = Control TLD; O = Outer Ring TLD; F = Fenceline TLD.

TABLE 2.4

Environmental Lower Limit of Detection (LLD) Sensitivity Requirements from ODCM Table 4.3

Analysis	Water (pCi/l)	Airborne Particulates or Gases (pCi/m^3)	Fish (pCi/kg) (wet)	Milk (pCi/l)	Food Product (pCi/kg) (wet)	Sediment (pCi/kg -dry)
Gross-Beta	4	0.01				
H-3	2000					
Mn-54	15		130			
Co-58,60	15		130			
Zn-65	30		260			
Zr-Nb-95	15					
Cs-134	15	0.05	130	15	60	150
Cs-137	18	0.06	150	18	80	180

Additional explanatory footnotes are given in ODCM Table 4.3.

TABLE 2.5

Reporting Levels for Radioactivity Concentrations In Environmental Samples from ODCM Table 4.2

Analysis	Water (pCi/l)*	Airborne Particulates or Gases (pCi/m^3)	Fish (pCi/kg)	Milk (pCi/l)	Food Product (pCi/kg) (wet)
H-3	30000				
Mn-54	1000		30000		
Co-58	1000		30000		
Co-60	300		10000		
Zn-65	300		20000		
Zr-Nb-95	400				
Cs-134	30	10	1000	60	1000
Cs-137	50	20	2000	70	2000

* Reporting Level for non-drinking water pathways.

Figure 2.1 Radiological Environmental Sampling Locations Within 1 Mile of Yankee Rowe Nuclear Power Station

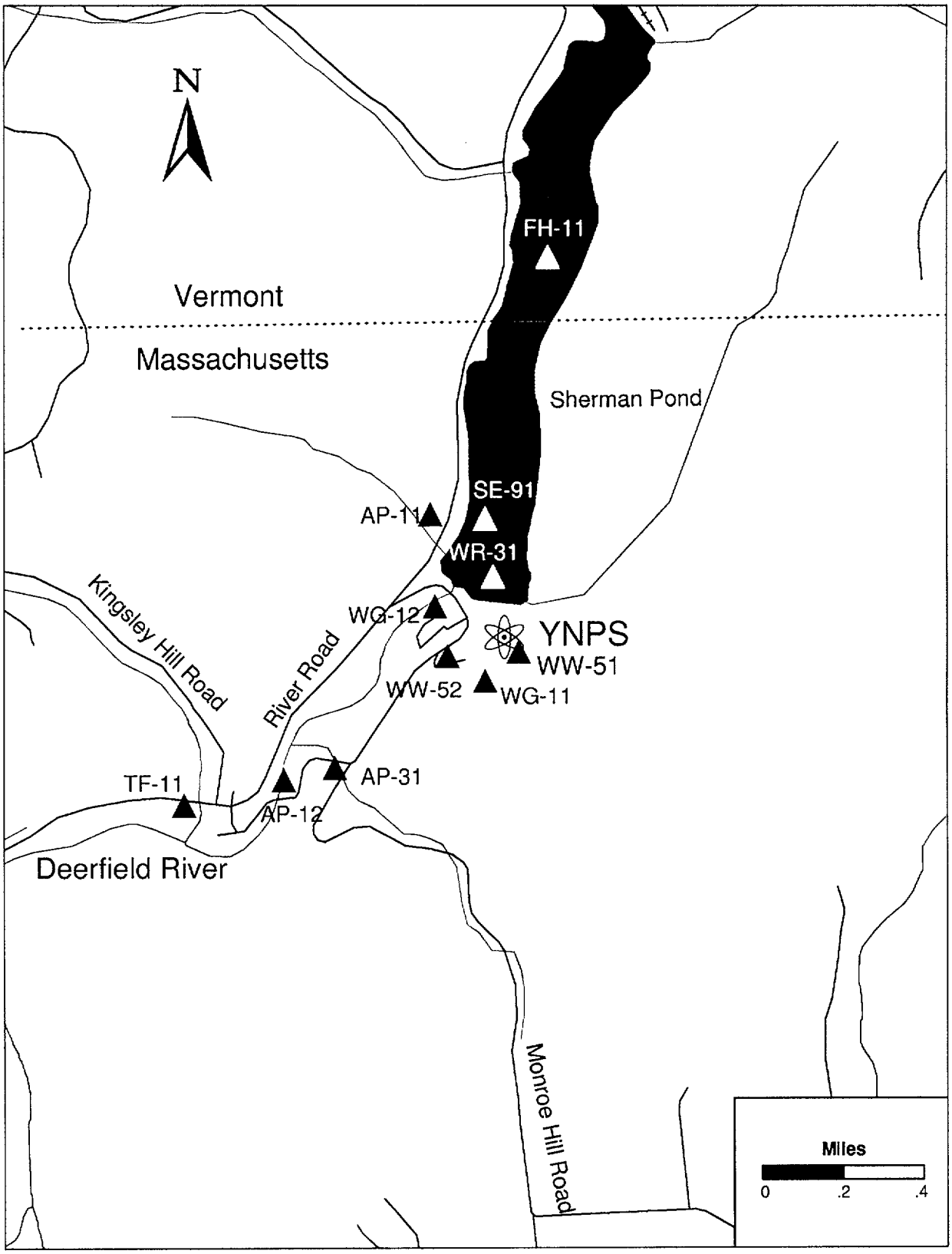


Figure 2.2 **Radiological Environmental Sampling Locations Within 12 Miles of Yankee Rowe Nuclear Power Station**

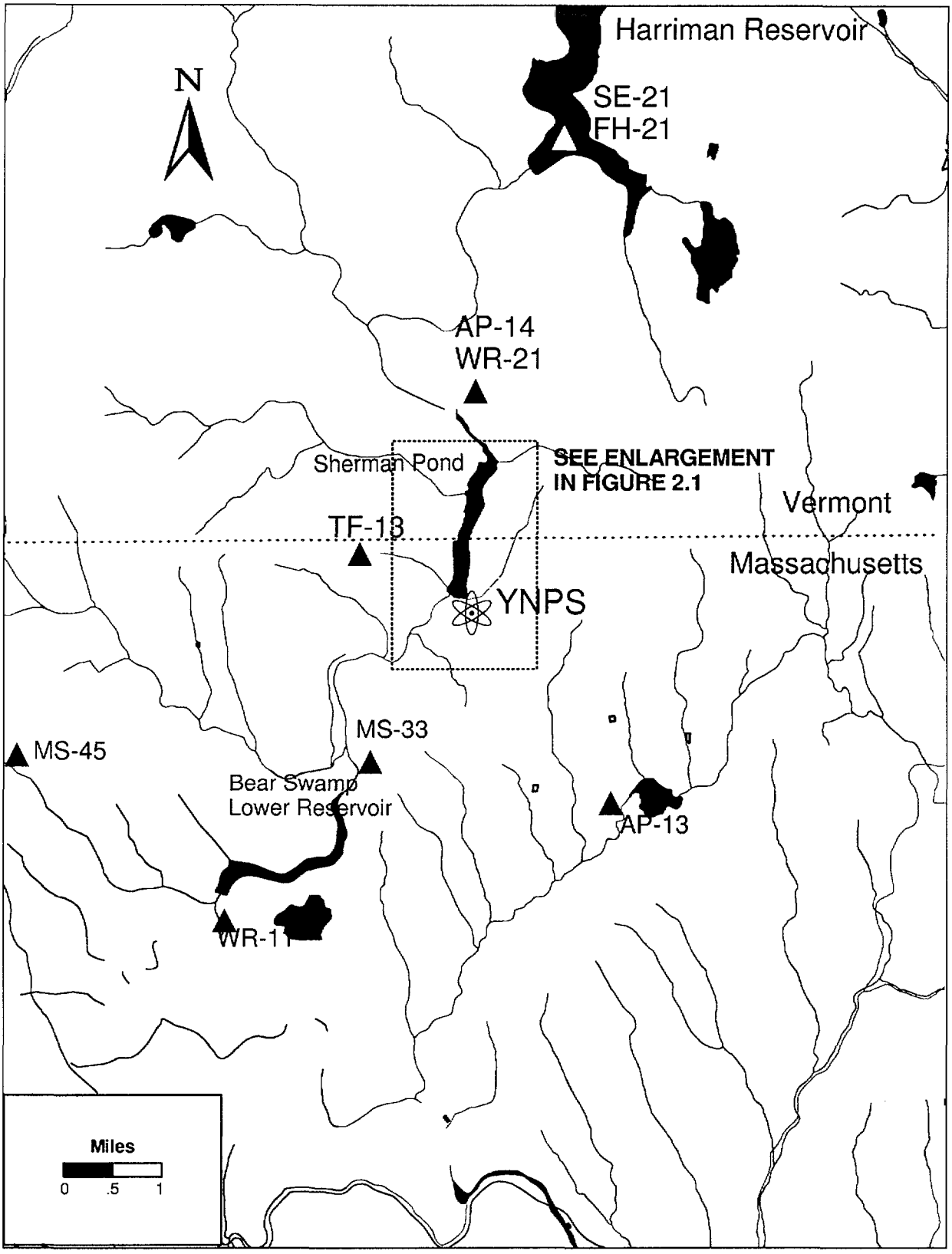


Figure 2.3 Radiological Environmental Sampling Locations Outside 12 Miles of Yankee Rowe Nuclear Power Station

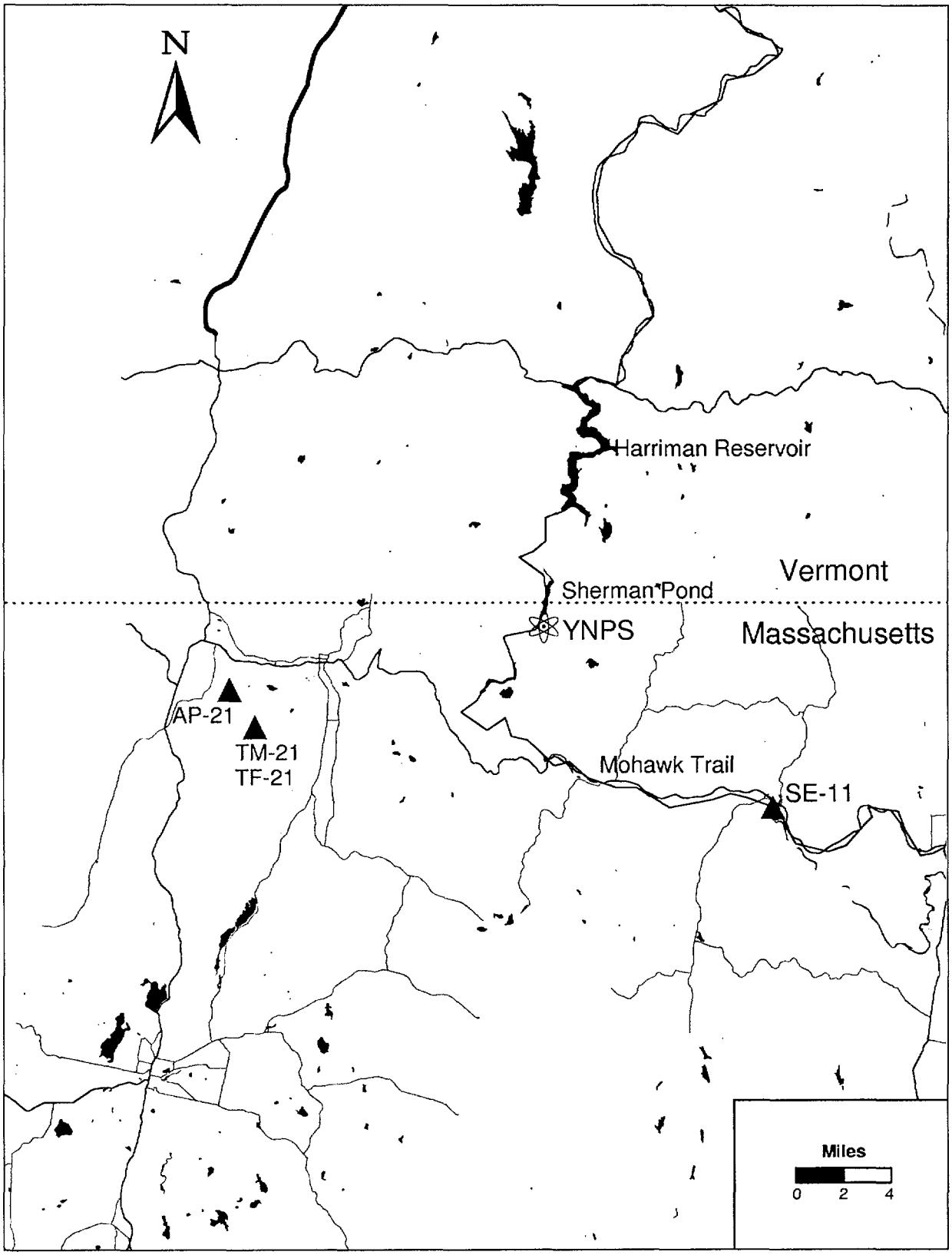


Figure 2.4 Environmental TLD Monitoring Locations Within 1 Mile of Yankee Rowe Nuclear Power Station

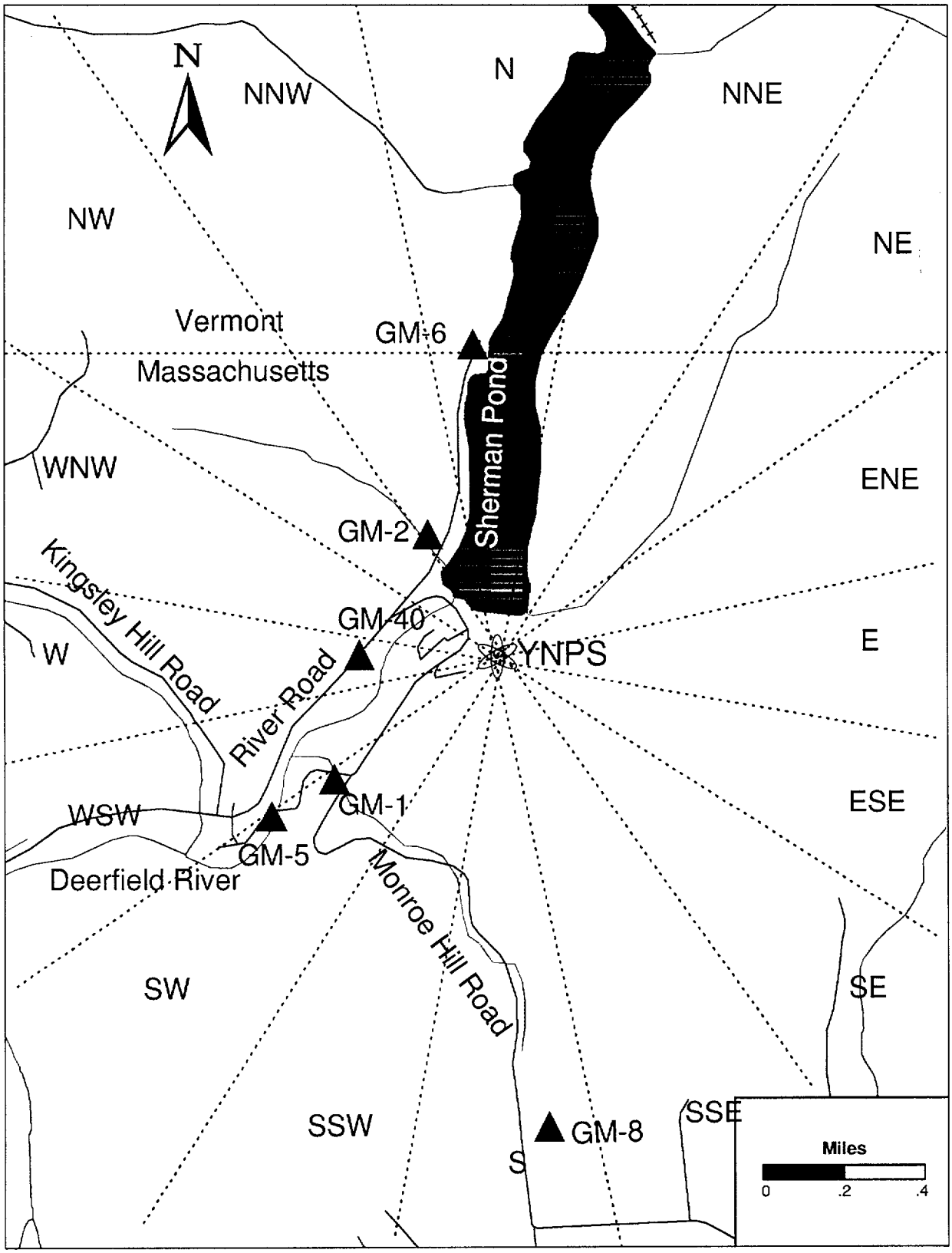


Figure 2.5 Environmental TLD Monitoring Locations Within 12 Miles of Yankee Rowe Nuclear Power Station

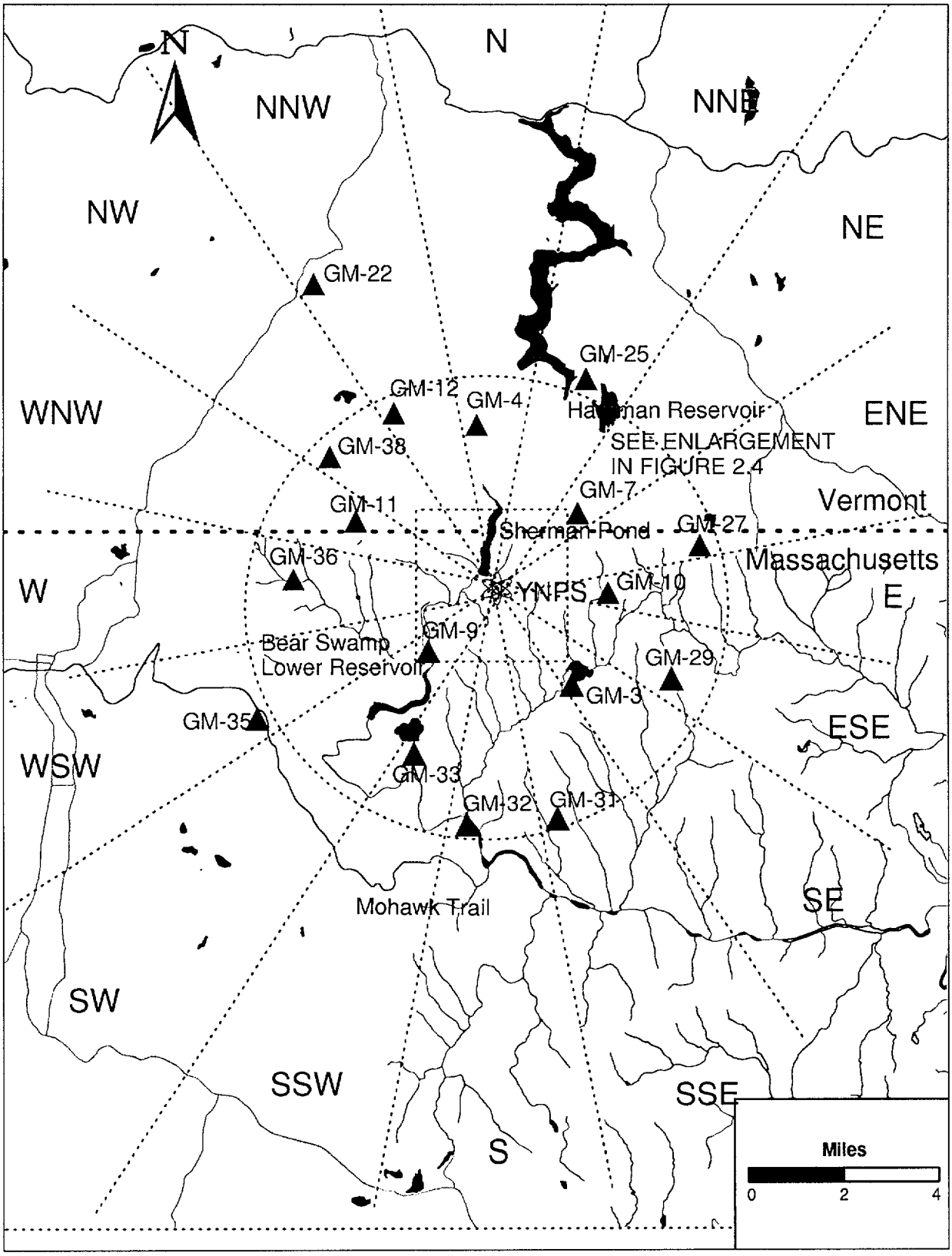
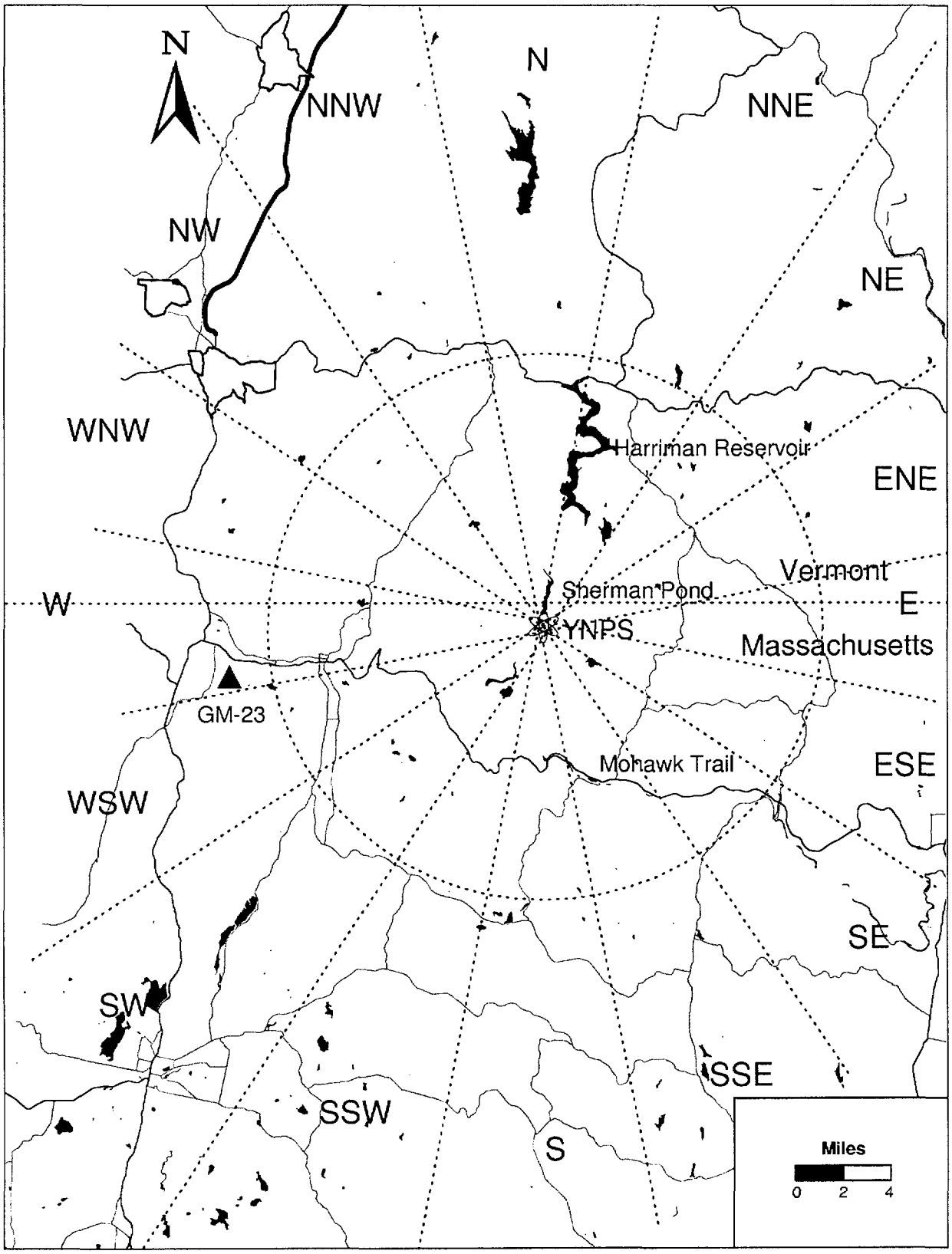


Figure 2.6 Environmental TLD Monitoring Locations Outside of 12 Miles from Yankee Rowe Nuclear Power Station



3.0 RADIOLOGICAL DATA SUMMARY TABLES

This section summarizes the analytical results of the environmental samples that were collected during 2002. These results, shown in Table 3.1, are presented in a format similar to that prescribed in the NRC's Radiological Assessment Branch Technical Position on Environmental Monitoring (Reference 1). The results are ordered by sample media type and then by radionuclide for the pathways described in Section 2.3. The units for each media type are also given. Table 3.2 provides the same information for TLD direct radiation measurements.

The left-most column contains the radionuclide of interest, the total number of analyses for that radionuclide in 2002, and the number of measurements which exceeded the Reporting Levels found in Table 4.2 of the YNPS ODCM. The latter are classified as "Non-routine" measurements. The second column lists the required Lower Limit of Detection (LLD) for those radionuclides, which have detection capability requirements as specified in the ODCM Table 4.3. The absence of a value in this column indicates that no LLD is specified in the ODCM for that radionuclide in that media. The target LLD for any analysis is typically 30-40 percent of the most restrictive required LLD. Occasionally the required LLD is not met. This is usually due to malfunctions in sampling equipment, which result in low sample volume. Such cases are addressed in Section 4.2.

For each radionuclide and media type, the remaining three columns summarize the data for the following categories of monitoring locations: (1) the Indicator stations, which are within the range of influence of the plant and which could conceivably be affected by plant activities; (2) the station which had the highest mean concentration during 2002 for that radionuclide; and (3) the Control stations, which are beyond the influence of the plant. Direct radiation monitoring stations (using TLDs) are grouped into Indicator, Outer Ring, Fenceline and Control stations.

In each of these columns, for each radionuclide, the following are given:

- The mean value of all concentrations including negative values and values that are not considered "detectable".
- The lowest and highest concentration.
- The number of detectable measurements divided by the total number of measurements.

A sample is considered to yield a "detectable measurement" when the concentration exceeds three times its associated standard deviation. The standard deviation on each measurement represents only the random uncertainty associated with the radioactive decay process (counting statistics), and not the propagation of all possible uncertainties in the analytical procedure.

The radionuclides reported in this section represent those that: 1) had a Reporting Level listed in Table 4.2 of the ODCM or, a LLD requirement in Table 4.3 of the ODCM or 2) had a positive measurement of radioactivity, whether it was naturally-occurring or man-made; or 3) were of specific interest for any other reason. The radionuclides that are routinely analyzed and reported by the FANPEL in a gamma spectroscopy analysis are: Ac-Th-228, Ag-108m, Ag-110m, Ba-140, Be-7, Ce-141, Ce-144, Co-57, Co-58, Co-60, Cr-51, Cs-134, Cs-137, Fe-59, I-131, K-40, La-140, Mn-54, Nb-95, Ru-103, Ru-106, Sb-124, Sb-125, Se-75, Zn-65 and Zr-95. In no case did a radionuclide not shown in Table 3.1 appear as a "detectable measurement" during 2002.

Data from direct radiation measurements made by TLDs are provided in Table 3.2 in a format essentially the same as above. The complete listing of quarterly TLD data is provided in Table 3.3.

Table 3.1
Radiological Environmental Program Summary
Yankee Nuclear Power Station, Rowe, MA
(January - December 2002)

MEDIUM: Air Particulates (AP) UNITS: pCi/cubic meter

Radionuclides* (No. Analyses) Non-Routine**		Required LLD	Indicator Stations Mean Range No. Detected***	Station With Highest Mean Station	Station With Highest Mean Mean Range No. Detected***	Control Stations Mean Range No. Detected***
GR-B	(168)	0.01	2.6E -2	12	3.2E -2	2.3E -2
	(0)		(1.3 - 4.9)E -2 (140/ 140)		(1.5 - 4.9)E -2 (28/ 28)	(1.6 - 3.4)E -2 (28/ 28)
Be-7	(24)		9.0E -2	12	1.0E -1	8.8E -2
	(0)		(5.3 - 14.2)E -2 (19/ 20)		(7.4 - 13.3)E -2 (3/ 4)	(8.0 - 10.0)E -2 (4/ 4)
Co-58	(24)		-2.8E -4	31	1.1E -4	-3.6E -4
	(0)		(-2.4 - 0.8)E -3 (0/ 20)		(-4.1 - 7.0)E -4 (0/ 4)	(-9.0 - 4.9)E -4 (0/ 4)
Co-60	(24)		4.3E -5	31	2.6E -4	6.0E -5
	(0)		(-8.3 - 10.0)E -4 (0/ 20)		(-4.7 - 8.0)E -4 (0/ 4)	(-4.2 - 2.9)E -4 (0/ 4)
Cs-134	(24)	0.05	9.8E -5	13	3.8E -4	-2.0E -4
	(0)		(-3.6 - 8.4)E -4 (0/ 20)		(-3.6 - 8.4)E -4 (0/ 4)	(-6.7 - 1.2)E -4 (0/ 4)
Cs-137	(24)	0.06	-4.7E -5	13	2.3E -4	-7.5E -5
	(0)		(-6.2 - 5.9)E -4 (0/ 20)		(-3.4 - 5.3)E -4 (0/ 4)	(-1.7 - 0.8)E -4 (0/ 4)

* The only radionuclides reported in this table are those with LLD requirements and those for which positive radioactivity was detected. See Section 5 of this report for a discussion of other radionuclides that were analyzed.

** Non-Routine refers to those radionuclides that exceeded the Reporting Levels in ODCM Table 4.2.

*** The fraction of sample analyses yielding detectable measurements (i.e. >3 standard deviations) is shown in parentheses.

Table 3.1
Radiological Environmental Program Summary
Yankee Nuclear Power Station, Rowe, MA
(January - December 2002)

MEDIUM: River Water (WR) UNITS: pCi/kg

Radionuclides* (No. Analyses) Non-Routine**		Required LLD	Indicator Stations Mean Range No. Detected***	Station With Highest Mean: Station	Station With Highest Mean: Mean Range No. Detected***	Control Stations Mean Range No. Detected***
GR-B	(35)	4	2.4E 0	11	3.0E 0	2.2E 0
	(0)		(8.0 - 56.4)E -1 (10/ 23)		(1.3 - 5.6)E 0 (7/ 11)	(4.1 - 39.0)E -1 (7/ 12)
H-3	(12)	2000	8.0E 1	11	1.9E 2	-1.5E 2
	(0)		(-2.5 - 5.3)E 2 (0/ 8)		(-6.0 - 53.0)E 1 (0/ 4)	(-4.8 - 1.8)E 2 (0/ 4)
Mn-54	(35)	15	-2.8E -1	21	1.4E -2	1.4E -2
	(0)		(-4.0 - 2.3)E 0 (0/ 23)		(-2.1 - 2.0)E 0 (0/ 12)	(-2.1 - 2.0)E 0 (0/ 12)
Co-58	(35)	15	-6.4E -1	11	-1.1E -1	-3.7E -1
	(0)		(-3.5 - 2.3)E 0 (0/ 23)		(-2.9 - 1.2)E 0 (0/ 11)	(-3.3 - 1.6)E 0 (0/ 12)
Fe-59	(35)		1.1E 0	31	1.3E 0	-1.8E -1
	(0)		(-4.4 - 6.1)E 0 (0/ 23)		(-3.3 - 5.1)E 0 (0/ 12)	(-4.2 - 6.8)E 0 (0/ 12)
Co-60	(35)	15	-2.7E -1	21	2.6E -1	2.6E -1
	(0)		(-3.8 - 3.1)E 0 (0/ 23)		(-1.6 - 2.9)E 0 (0/ 12)	(-1.6 - 2.9)E 0 (0/ 12)
Zn-65	(35)	30	-1.4E 0	21	6.3E -1	6.3E -1
	(0)		(-8.2 - 13.1)E 0 (0/ 23)		(-5.2 - 10.4)E 0 (0/ 12)	(-5.2 - 10.4)E 0 (0/ 12)
Zr-95	(35)	15	1.6E -1	11	3.7E -1	1.5E -1
	(0)		(-2.5 - 2.4)E 0 (0/ 23)		(-2.3 - 1.9)E 0 (0/ 11)	(-2.0 - 2.6)E 0 (0/ 12)
I-131	(35)		2.2E -1	31	8.3E -1	-3.2E -1
	(0)		(-9.3 - 7.7)E 0 (0/ 23)		(-3.1 - 7.7)E 0 (0/ 12)	(-8.5 - 9.7)E 0 (0/ 12)
Cs-134	(35)	15	4.5E -1	11	6.0E -1	-3.0E -1
	(0)		(-4.1 - 2.4)E 0 (0/ 23)		(-1.3 - 2.2)E 0 (0/ 11)	(-2.6 - 2.4)E 0 (0/ 12)
Cs-137	(35)	18	-3.7E -1	21	-1.8E -1	-1.8E -1
	(0)		(-3.6 - 2.6)E 0 (0/ 23)		(-2.4 - 2.4)E 0 (0/ 12)	(-2.4 - 2.4)E 0 (0/ 12)
Ba-140	(35)		-1.3E -1	21	6.1E -1	6.1E -1
	(0)		(-7.8 - 3.9)E 0 (0/ 23)		(-5.1 - 4.1)E 0 (0/ 12)	(-5.1 - 4.1)E 0 (0/ 12)

* The only radionuclides reported in this table are those with LLD requirements and those for which positive radioactivity was detected. See Section 5 of this report for a discussion of other radionuclides that were analyzed.

** Non-Routine refers to those radionuclides that exceeded the Reporting Levels in ODCM Table 4.2.

*** The fraction of sample analyses yielding detectable measurements (i.e. >3 standard deviations) is shown in parentheses.

Table 3.1
Radiological Environmental Program Summary
Yankee Nuclear Power Station, Rowe, MA
(January - December 2002)

MEDIUM: Ground Water (WG) UNITS: pCi/kg

Radionuclides* (No. Analyses) Non-Routine**		Required LLD	Indicator Stations Mean Range No. Detected***	Station With Highest Mean Station	Station With Highest Mean Mean Range No. Detected***	Control Stations Mean Range No. Detected***
GR-B	(24)	4	6.0E 0	12	7.5E 0	NO DATA
	(0)		(2.3 - 14.3)E 0 (22/ 24)		(2.7 - 14.3)E 0 (12/ 12)	
H-3	(24)	2000	9.1E 1	12	1.8E 2	NO DATA
	(0)		(-2.0 - 4.5)E 2 (2/ 24)		(2.0 - 45.0)E 1 (2/ 12)	
Mn-54	(24)	15	-2.9E -1	12	1.6E -1	NO DATA
	(0)		(-2.9 - 1.8)E 0 (0/ 24)		(-1.7 - 1.7)E 0 (0/ 12)	
Co-58	(24)	15	-1.3E 0	12	-7.6E -1	NO DATA
	(0)		(-4.6 - 1.9)E 0 (0/ 24)		(-3.4 - 1.9)E 0 (0/ 12)	
Fe-59	(24)		4.4E -1	12	1.9E 0	NO DATA
	(0)		(-8.8 - 7.6)E 0 (0/ 24)		(-6.4 - 7.6)E 0 (0/ 12)	
Co-60	(24)	15	1.2E -1	11	7.3E -1	NO DATA
	(0)		(-2.3 - 3.6)E 0 (0/ 24)		(-1.3 - 3.6)E 0 (0/ 12)	
Zn-65	(24)	30	2.6E 0	11	3.6E 0	NO DATA
	(0)		(-9.8 - 26.8)E 0 (0/ 24)		(-9.8 - 26.8)E 0 (0/ 12)	
Zr-95	(24)	15	9.6E -2	12	4.0E -1	NO DATA
	(0)		(-3.1 - 3.6)E 0 (0/ 24)		(-1.7 - 3.6)E 0 (0/ 12)	
I-131	(24)		1.7E -1	11	1.7E -1	NO DATA
	(0)		(-6.8 - 6.3)E 0 (0/ 24)		(-6.8 - 6.3)E 0 (0/ 12)	
Cs-134	(24)	15	-6.8E -2	11	1.7E -2	NO DATA
	(0)		(-3.0 - 2.4)E 0 (0/ 24)		(-3.0 - 2.4)E 0 (0/ 12)	
Cs-137	(24)	18	-7.2E -1	12	-4.4E -1	NO DATA
	(0)		(-2.6 - 1.5)E 0 (0/ 24)		(-2.1 - 1.1)E 0 (0/ 12)	
Ba-140	(24)		-2.8E -1	11	6.7E -2	NO DATA
	(0)		(-5.0 - 3.9)E 0 (0/ 24)		(-3.0 - 3.9)E 0 (0/ 12)	

* The only radionuclides reported in this table are those with LLD requirements and those for which positive radioactivity was detected. See Section 5 of this report for a discussion of other radionuclides that were analyzed.

** Non-Routine refers to those radionuclides that exceeded the Reporting Levels in ODCM Table 4.2.

*** *The fraction of sample analyses yielding detectable measurements (i.e. >3 standard deviations) is shown in parentheses.*

Table 3.1
Radiological Environmental Program Summary
Yankee Nuclear Power Station, Rowe, MA
(January - December 2002)

MEDIUM: Storm Drain Water (WW) UNITS: pCi/kg

Radionuclides* (No. Analyses) Non-Routine**		Required LLD	Indicator Stations Mean Range No. Detected***	Station With Highest Mean Station	Station With Highest Mean Mean Range No. Detected***	Control Stations Mean Range No. Detected***
GR-B	(24)	4	8.7E 0	52	9.4E 0	NO DATA
	(0)		(3.0 - 32.2)E 0 (24/ 24)		(3.7 - 32.2)E 0 (12/ 12)	
H-3	(24)	2000	9.6E 1	51	1.4E 2	NO DATA
	(0)		(-7.2 - 9.6)E 2 (0/ 24)		(-7.2 - 9.6)E 2 (0/ 12)	
Mn-54	(24)	15	-4.4E -1	52	-3.9E -1	NO DATA
	(0)		(-3.5 - 1.7)E 0 (0/ 24)		(-1.9 - 0.7)E 0 (0/ 12)	
Co-58	(24)	15	-4.4E -1	52	-1.7E -1	NO DATA
	(0)		(-2.0 - 1.7)E 0 (0/ 24)		(-1.4 - 1.7)E 0 (0/ 12)	
Fe-59	(24)		2.9E -2	52	1.2E -1	NO DATA
	(0)		(-8.5 - 4.7)E 0 (0/ 24)		(-8.5 - 4.7)E 0 (0/ 12)	
Co-60	(24)	15	-1.0E -1	52	-7.0E -2	NO DATA
	(0)		(-3.5 - 2.6)E 0 (0/ 24)		(-2.2 - 1.7)E 0 (0/ 12)	
Zn-65	(24)	30	-2.7E -1	51	-2.5E -2	NO DATA
	(0)		(-8.6 - 6.9)E 0 (0/ 24)		(-8.6 - 6.9)E 0 (0/ 12)	
Zr-95	(24)	15	-5.2E -1	52	-2.1E -1	NO DATA
	(0)		(-3.8 - 2.4)E 0 (0/ 24)		(-2.5 - 2.4)E 0 (0/ 12)	
I-131	(24)		-3.3E -1	51	7.5E -2	NO DATA
	(0)		(-5.7 - 3.8)E 0 (0/ 24)		(-3.9 - 3.8)E 0 (0/ 12)	
Cs-134	(24)	15	3.5E -1	51	5.7E -1	NO DATA
	(0)		(-1.5 - 1.9)E 0 (0/ 24)		(-8.0 - 19.0)E -1 (0/ 12)	
Cs-137	(24)	18	-2.1E -1	52	-1.6E -1	NO DATA
	(0)		(-3.2 - 3.1)E 0 (0/ 24)		(-1.8 - 3.0)E 0 (0/ 12)	
Ba-140	(24)		-2.3E -1	52	2.5E -2	NO DATA
	(0)		(-5.9 - 4.3)E 0 (0/ 24)		(-5.9 - 3.5)E 0 (0/ 12)	

* The only radionuclides reported in this table are those with LLD requirements and those for which positive radioactivity was detected. See Section 5 of this report for a discussion of other radionuclides that were analyzed.

** Non-Routine refers to those radionuclides that exceeded the Reporting Levels in ODCM Table 4.2.

*** The fraction of sample analyses yielding detectable measurements (i.e. >3 standard deviations) is shown in parentheses.

Table 3.1
Radiological Environmental Program Summary
Yankee Nuclear Power Station, Rowe, MA
(January - December 2002)

MEDIUM: Sediment (SE) UNITS: pCi/kg dry

Radionuclides* (No. Analyses) Non-Routine**		Required LLD	Indicator Stations Mean Range No. Detected***	Station With Highest Mean Station	Station With Highest Mean Mean Range No. Detected***	Control Stations Mean Range No. Detected***
Be-7	(18)		5.1E 1	11	2.1E 2	-1.4E 1
	(0)		(-1.8 - 9.7)E 2 (1/ 12)		(-1.7 - 9.7)E 2 (1/ 6)	(-9.5 - 7.7)E 1 (0/ 6)
K-40	(18)		2.2E 4	91	2.7E 4	1.3E 4
	(0)		(1.6 - 3.1)E 4 (12/ 12)		(2.5 - 3.1)E 4 (6/ 6)	(1.2 - 1.4)E 4 (6/ 6)
Co-58	(18)		-1.4E 1	21	-6.4E 0	-6.4E 0
	(0)		(-4.6 - 1.9)E 1 (0/ 12)		(-1.4 - 0.3)E 1 (0/ 6)	(-1.4 - 0.3)E 1 (0/ 6)
Co-60	(18)		8.4E 0	91	1.7E 1	1.8E 0
	(0)		(-2.8 - 7.6)E 1 (1/ 12)		(-2.2 - 7.6)E 1 (1/ 6)	(-8.6 - 13.0)E 0 (0/ 6)
Cs-134	(18)	150	1.6E 1	11	2.7E 1	-1.7E 1
	(0)		(-4.5 - 11.7)E 1 (0/ 12)		(-2.5 - 5.8)E 1 (0/ 6)	(-5.4 - 4.6)E 1 (0/ 6)
Cs-137	(18)	180	9.9E 2	91	1.8E 3	5.4E 1
	(0)		(5.2 - 252.6)E 1 (11/ 12)		(1.2 - 2.5)E 3 (6/ 6)	(-6.9 - 104.0)E 0 (4/ 6)
Th-232	(18)		1.5E 3	91	1.9E 3	5.1E 2
	(0)		(8.4 - 21.1)E 2 (12/ 12)		(1.7 - 2.1)E 3 (6/ 6)	(3.0 - 7.4)E 2 (6/ 6)

* The only radionuclides reported in this table are those with LLD requirements and those for which positive radioactivity was detected. See Section 5 of this report for a discussion of other radionuclides that were analyzed.

** Non-Routine refers to those radionuclides that exceeded the Reporting Levels in ODCM Table 4.2.

*** The fraction of sample analyses yielding detectable measurements (i.e. >3 standard deviations) is shown in parentheses.

Table 3.1
Radiological Environmental Program Summary
Yankee Nuclear Power Station, Rowe, MA
(January - December 2002)

MEDIUM: Milk (TM) UNITS: pCi/kg

Radionuclides* (No. Analyses) Non-Routine**		Required LLD	Indicator Stations Mean Range No. Detected***	Station With Highest Mean Station	Station With Highest Mean Mean Range No. Detected***	Control Stations Mean Range No. Detected***
K-40	(12) (0)		NO DATA	21	1.4E 3 (1.3 - 1.5)E 3 (12/ 12)	1.4E 3 (1.3 - 1.5)E 3 (12/ 12)
Sr-89	(4) (0)		NO DATA	21	-2.1E 0 (-6.8 - 1.5)E 0 (0/ 4)	-2.1E 0 (-6.8 - 1.5)E 0 (0/ 4)
Sr-90	(4) (0)		NO DATA	21	4.4E -1 (-5.6 - 13.3)E -1 (0/ 4)	4.4E -1 (-5.6 - 13.3)E -1 (0/ 4)
I-131	(12) (0)		NO DATA	21	9.2E -2 (-7.4 - 7.0)E 0 (0/ 12)	9.2E -2 (-7.4 - 7.0)E 0 (0/ 12)
Cs-134	(12) (0)	15	NO DATA	21	7.6E -1 (-8.0 - 29.0)E -1 (0/ 12)	7.6E -1 (-8.0 - 29.0)E -1 (0/ 12)
Cs-137	(12) (0)	18	NO DATA	21	-4.6E -1 (-5.5 - 1.5)E 0 (0/ 12)	-4.6E -1 (-5.5 - 1.5)E 0 (0/ 12)
Ba-140	(12) (0)		NO DATA	21	1.8E -1 (-1.6 - 3.1)E 0 (0/ 12)	1.8E -1 (-1.6 - 3.1)E 0 (0/ 12)

* The only radionuclides reported in this table are those with LLD requirements and those for which positive radioactivity was detected. See Section 5 of this report for a discussion of other radionuclides that were analyzed.

** Non-Routine refers to those radionuclides that exceeded the Reporting Levels in ODCM Table 4.2.

*** The fraction of sample analyses yielding detectable measurements (i.e. >3 standard deviations) is shown in parentheses.

Table 3.1
Radiological Environmental Program Summary
Yankee Nuclear Power Station, Rowe, MA
(January - December 2002)

MEDIUM: Fish (FH) UNITS: pCi/kg

Radionuclides* (No. Analyses) Non-Routine**		Required LLD	Indicator Stations Mean Range No. Detected***	Station With Highest Mean Station	Station With Highest Mean Mean Range No. Detected***	Control Stations Mean Range No. Detected***
K-40	(4)		3.3E 3	11	3.3E 3	3.0E 3
	(0)		(3.1 - 3.5)E 3 (2/ 2)		(3.1 - 3.5)E 3 (2/ 2)	(3.0 - 3.1)E 3 (2/ 2)
Mn-54	(4)	130	-1.8E 0	11	-1.8E 0	-4.1E 0
	(0)		(-5.0 - 1.5)E 0 (0/ 2)		(-5.0 - 1.5)E 0 (0/ 2)	(-1.0 - 0.2)E 1 (0/ 2)
Co-58	(4)	130	-3.4E 0	11	-3.4E 0	-8.6E 0
	(0)		(-4.8 - -2.0)E 0 (0/ 2)		(-4.8 - -2.0)E 0 (0/ 2)	(-1.1 - -0.7)E 1 (0/ 2)
Fe-59	(4)		-7.0E 0	11	-7.0E 0	-1.5E 1
	(0)		(-4.5 - 3.1)E 1 (0/ 2)		(-4.5 - 3.1)E 1 (0/ 2)	(-4.6 - 1.7)E 1 (0/ 2)
Co-60	(4)	130	5.5E 0	11	5.5E 0	1.6E 0
	(0)		(3.6 - 7.5)E 0 (0/ 2)		(3.6 - 7.5)E 0 (0/ 2)	(0.0 - 3.2)E 0 (0/ 2)
Zn-65	(4)	260	-4.0E 1	21	-1.3E 1	-1.3E 1
	(0)		(-4.3 - -3.6)E 1 (0/ 2)		(-3.8 - 1.2)E 1 (0/ 2)	(-3.8 - 1.2)E 1 (0/ 2)
Cs-134	(4)	130	3.5E 0	21	5.3E 0	5.3E 0
	(0)		(-5.0 - 12.1)E 0 (0/ 2)		(-1.8 - 12.4)E 0 (0/ 2)	(-1.8 - 12.4)E 0 (0/ 2)
Cs-137	(4)	150	2.7E 1	11	2.7E 1	8.9E 0
	(0)		(1.7 - 3.6)E 1 (0/ 2)		(1.7 - 3.6)E 1 (0/ 2)	(6.7 - 11.1)E 0 (0/ 2)

* The only radionuclides reported in this table are those with LLD requirements and those for which positive radioactivity was detected. See Section 5 of this report for a discussion of other radionuclides that were analyzed.

** Non-Routine refers to those radionuclides that exceeded the Reporting Levels in ODCM Table 4.2.

*** The fraction of sample analyses yielding detectable measurements (i.e. >3 standard deviations) is shown in parentheses.

Table 3.1
Radiological Environmental Program Summary
Yankee Nuclear Power Station, Rowe, MA
(January - December 2002)

MEDIUM: Food Crop (TF) UNITS: pCi/kg

Radionuclides* (No. Analyses) Non-Routine**		Required LLD	Indicator Stations Mean Range No. Detected***	Station With Highest Mean: Station	Mean Range No. Detected***	Control Stations Mean Range No. Detected***
K-40	(3)		3.0E 3	11	5.2E 3	2.0E 3
	(0)		(7.9 - 52.4)E 2			
			(1/ 2)		(1/ 1)	(1/ 1)
Co-58	(3)		4.0E 0	13	5.0E 0	-9.0E 0
	(0)		(3.0 - 5.0)E 0			
			(0/ 2)		(0/ 1)	(0/ 1)
Co-60	(3)		9.5E 0	21	1.6E 1	1.6E 1
	(0)		(8.0 - 11.0)E 0			
			(0/ 2)		(0/ 1)	(0/ 1)
I-131	(3)		-6.0E 1	21	9.0E 1	9.0E 1
	(0)		(-1.0 - -0.2)E 2			
			(0/ 2)		(0/ 1)	(0/ 1)
Cs-134	(3)	60	5.0E -1	13	1.1E 1	6.0E 0
	(0)		(-1.0 - 1.1)E 1			
			(0/ 2)		(0/ 1)	(0/ 1)
Cs-137	(3)	80	-1.2E 1	21	1.5E 1	1.5E 1
	(0)		(-1.4 - -0.9)E 1			
			(0/ 2)		(0/ 1)	(0/ 1)

* The only radionuclides reported in this table are those with LLD requirements and those for which positive radioactivity was detected. See Section 5 of this report for a discussion of other radionuclides that were analyzed.

** *Non-Routine refers to those radionuclides that exceeded the Reporting Levels in ODCM Table 4.2.*

*** The fraction of sample analyses yielding detectable measurements (i.e. >3 standard deviations) is shown in parentheses.

Table 3.1
Radiological Environmental Program Summary
Yankee Nuclear Power Station, Rowe, MA
(January - December 2002)

MEDIUM: Maple Syrup (MS) UNITS: pCi/kg

Radionuclides* (No. Analyses) Non-Routine**		Required LLD	Indicator Stations Mean Range No. Detected***	Station With Highest Mean Station	Station With Highest Mean Mean Range No. Detected***	Control Stations Mean Range No. Detected***
K-40	(2)		1.7E 3	33	1.8E 3	NO DATA
	(0)		(1.6 - 1.8)E 3 (2/ 2)		(1/ 1)	
Co-58	(2)		-1.2E 0	45	-7.0E -1	NO DATA
	(0)		(-1.7 - -0.7)E 0 (0/ 2)		(0/ 1)	
Co-60	(2)		1.3E 0	45	2.3E 0	NO DATA
	(0)		(4.0 - 23.0)E -1 (0/ 2)		(0/ 1)	
I-131	(2)		1.4E 0	33	5.2E 0	NO DATA
	(0)		(-2.5 - 5.2)E 0 (0/ 2)		(0/ 1)	
Cs-134	(2)	60	-2.0E 0	45	-8.0E -1	NO DATA
	(0)		(-3.2 - -0.8)E 0 (0/ 2)		(0/ 1)	
Cs-137	(2)	80	1.5E 1	33	1.7E 1	NO DATA
	(0)		(1.2 - 1.7)E 1 (1/ 2)		(1/ 1)	

* The only radionuclides reported in this table are those with LLD requirements and those for which positive radioactivity was detected. See Section 5 of this report for a discussion of other radionuclides that were analyzed.

** Non-Routine refers to those radionuclides that exceeded the Reporting Levels in ODCM Table 4.2.

*** The fraction of sample analyses yielding detectable measurements (i.e. >3 standard deviations) is shown in parentheses.

TABLE 3.2

*ENVIRONMENTAL TLD DATA SUMMARY**
(JANUARY - DECEMBER 2002)
(μR/hr)

INDICATOR TLDs	OUTER RING TLDs	FENCELINE TLDs**	CONTROL TLDS
MEAN	MEAN	MEAN	MEAN
RANGE	RANGE	RANGE	RANGE
(N0. MEASUREMENTS)*	(N0. MEASUREMENTS)*	(N0. MEASUREMENTS)*	(N0. MEASUREMENTS)*
6.4 ± 0.7	6.3 ± 0.9	9.0 ± 3.9	6.9 ± 0.4
4.8 - 7.9	4.6 - 8.1	6.4 - 24.4	6.2 - 7.3
(52)	(36)	(36)	(8)

OFFSITE STATION WITH HIGHEST MEAN

STA. NO.	MEAN RANGE (NO. MEASUREMENTS)*
GM-38	7.6 ± 0.5
	7.0 - 8.1
	(4)

* Each "measurement" is based on quarterly readings from five TLD elements. Measurement units are μR/hr.

** Not part of REMP Program. An increase in exposure rate was noted during the 2nd half of 2002 due to fuel placement on the ISFSI.

TABLE 3.3
*2002 ENVIRONMENTAL TLD MEASUREMENTS**
(Micro-R per hour)

Sta. No.	Description	1ST QUARTER EXP.	S.D.	2ND QUARTER EXP.	S.D.	3RD QUARTER EXP.	S.D.	4TH QUARTER EXP.	S.D.	ANNUAL AVE. EXP.
GM-01	YNPS Visitor's Center	6.4	± 0.2	6.7	± 0.2	6.3	± 0.3	6.3	± 0.4	6.4
GM-02	Observation Stand	5.9	± 0.2	5.9	± 0.4	5.9	± 0.3	5.9	± 0.4	5.9
GM-03	Rowe School	5.2	± 0.2	5.6	± 0.2	4.8	± 0.2	5.3	± 0.2	5.2
GM-04	Harriman Station	5.3	± 0.2	6.0	± 0.3	5.4	± 0.2	5.7	± 0.3	5.6
GM-05	Monroe Bridge	7.0	± 0.2	6.9	± 0.4	6.6	± 0.2	6.7	± 0.3	6.9
GM-06	Readsboro Rd. Barrier	6.5	± 0.3	7.1	± 0.4	7.2	± 0.5	7.0	± 0.5	7.0
GM-07	Whitingham Line	6.5	± 0.3	7.4	± 0.4	6.8	± 0.3	6.9	± 0.3	6.6
GM-08	Monroe Hill Barrier	5.7	± 0.2	6.3	± 0.3	6.0	± 0.3	6.0	± 0.3	6.2
GM-09	Dunbar Brook	6.3	± 0.3	7.2	± 0.3	6.9	± 0.4	6.8	± 0.4	6.7
GM-10	Cross Rd.	5.8	± 0.2	6.7	± 0.4	6.3	± 0.3	6.4	± 0.3	6.4
GM-11	Adams High Line	5.8	± 0.3	6.9	± 0.3	6.5	± 0.2	6.2	± 0.3	6.6
GM-12	Readsboro, VT	7.7	± 0.3	7.9	± 0.2	7.4	± 0.3	7.7	± 0.3	8.0
GM-13**	Indust. Area Fence	7.4	± 0.3	9.1	± 0.3	9.1	± 0.3	8.5	± 0.4	8.1
GM-14**	Indust. Area Fence	6.4	± 0.4	7.5	± 0.3	7.0	± 0.3	6.5	± 0.3	6.8
GM-15**	Indust. Area Fence	6.6	± 0.4	7.4	± 0.4	6.8	± 0.3	6.6	± 0.3	6.8
GM-16**	Indust. Area Fence	6.5	± 0.2	7.3	± 0.3	7.1	± 0.3	6.6	± 0.3	6.9
GM-17**	Indust. Area Fence	6.7	± 0.3	7.6	± 0.4	7.5	± 0.5	7.1	± 0.4	7.6
GM-18**	Indust. Area Fence	8.5	± 0.8	9.2	± 0.4	15.5	± 0.6	18.4	± 0.8	13.1
GM-19**	Indust. Area Fence	9.0	± 0.5	9.9	± 0.4	17.8	± 0.8	24.4	± 1.1	15.0
GM-20**	Indust. Area Fence	7.6	± 0.3	8.9	± 0.4	10.0	± 0.4	10.1	± 0.5	8.9
GM-21**	Indust. Area Fence	6.9	± 0.3	7.7	± 0.3	7.4	± 0.3	6.4	± 0.4	7.0
GM-22	Heartwellville, VT	6.2	± 0.3	7.3	± 0.2	7.2	± 0.2	6.6	± 0.3	6.8
GM-23	Williamstown Subst.	6.8	± 0.4	7.1	± 0.4	7.1	± 0.4	7.0	± 0.4	6.7
GM-25	Whitingham, VT	5.6	± 0.4	6.1	± 0.4	5.8	± 0.3	5.8	± 0.3	5.9
GM-27	Number 9 Rd.	5.5	± 0.4	6.2	± 0.3	5.8	± 0.2	5.6	± 0.3	5.4
GM-29	Route 8A	4.7	± 0.2	4.9	± 0.2	4.6	± 0.2	4.6	± 0.3	5.1
GM-31	Legate Hill Rd.	5.8	± 0.2	6.6	± 0.2	6.2	± 0.4	6.0	± 0.3	6.2
GM-32	Rowe Rd.	6.2	± 0.4	6.8	± 0.2	6.3	± 0.3	6.3	± 0.3	6.4
GM-33	Zoar Rd.	6.3	± 0.4	6.8	± 0.4	6.3	± 0.2	6.4	± 0.4	6.7
GM-35	Whitcomb Summit	6.6	± 0.2	7.8	± 0.4	7.7	± 0.2	6.6	± 0.3	7.0
GM-36	Tilda Rd.	6.1	± 0.4	7.1	± 0.3	6.7	± 0.4	6.5	± 0.3	6.8
GM-38	West Hill Rd.	7.0	± 0.3	8.1	± 0.4	8.0	± 0.4	7.4	± 0.5	7.4
GM-40	Readsboro Rd.	6.2	± 0.2	7.1	± 0.2	6.7	± 0.2	6.4	± 0.3	6.4

* Each "measurement" is based on quarterly readings from five TLD elements.

** Not part of REMP Program. An increase in exposure rate was noted during the 2nd half of 2002 due to fuel placement on the ISFSI.

4.0 ANALYSIS OF ENVIRONMENTAL RESULTS

4.1 Sampling Program Deviations

ODCM Control 4.1 allows for deviations "if specimens are unobtainable due to hazardous conditions, seasonal unavailability or malfunction of automatic sampling equipment." The following sampling program deviations occurred during 2002:

1) The composite sampler for river water sampling station 11 (Lower Bear Swamp Reservoir) was off-line for approximately four days during November (Nov. 12th – 15th) due to maintenance. However, a sufficient volume of water was collected for analysis.

4.2 Comparison of Achieved LLDs with Requirements

Table 4.3 of the ODCM (Table 2.4 in this report) gives the required Lower Limits of Detection (LLDs) for environmental sample analyses. On occasion, an LLD is not achieved due to situations such as a low sample volume caused by sampling equipment malfunction. In such a case, Control 7.1 of the ODCM requires a discussion of the situation in the Annual Radiological Environmental Operating Report. At the FANPEL, the target LLD for any analysis is typically 30-40 percent of the most restrictive required LLD. Expressed differently, the typical sensitivities achieved for each analysis are at least 2.5 to 3 times better than that required by the YNPS ODCM.

For each analysis having an LLD requirement in ODCM Table 4.3, the *a posteriori* or after the fact LLD calculated for that analysis was compared with the required LLD. Of the more than 960 analyses performed with a specified LLD requirement, 99.7% met the requirements of Table 4.3 of the ODCM in 2002. Three air particulate samples collected on July 2nd had a measured MDC that exceeded the required LLD. The samples were taken from Station 12 (Monroe Bridge), Station 13 (Rowe School), and Station 31 (Furlon House). The reason for the missed MDC was low sample volume due to the sampling period being shortened to one week instead of the normal two-week cycle. This was done so that the last sample of the quarter needed for composite gamma isotopic analysis would not have half its sample time in the field in the next quarterly period.

4.3 Results Compared Against Reporting Levels

ODCM Control 4.1.a. requires the written notification to the NRC within 30 days whenever a Reporting Level in ODCM Table 4.2 is exceeded. Reporting Levels are the environmental concentrations that relate to the ALARA design dose objectives of 10 CFR 50, Appendix I. It should be noted that environmental concentrations are averaged over calendar quarters for the purposes of this comparison, and that Reporting Levels apply only to measured levels of radioactivity due to plant effluents. During 2002, no Reporting Levels were exceeded.

4.4 Data Analysis by Media Type

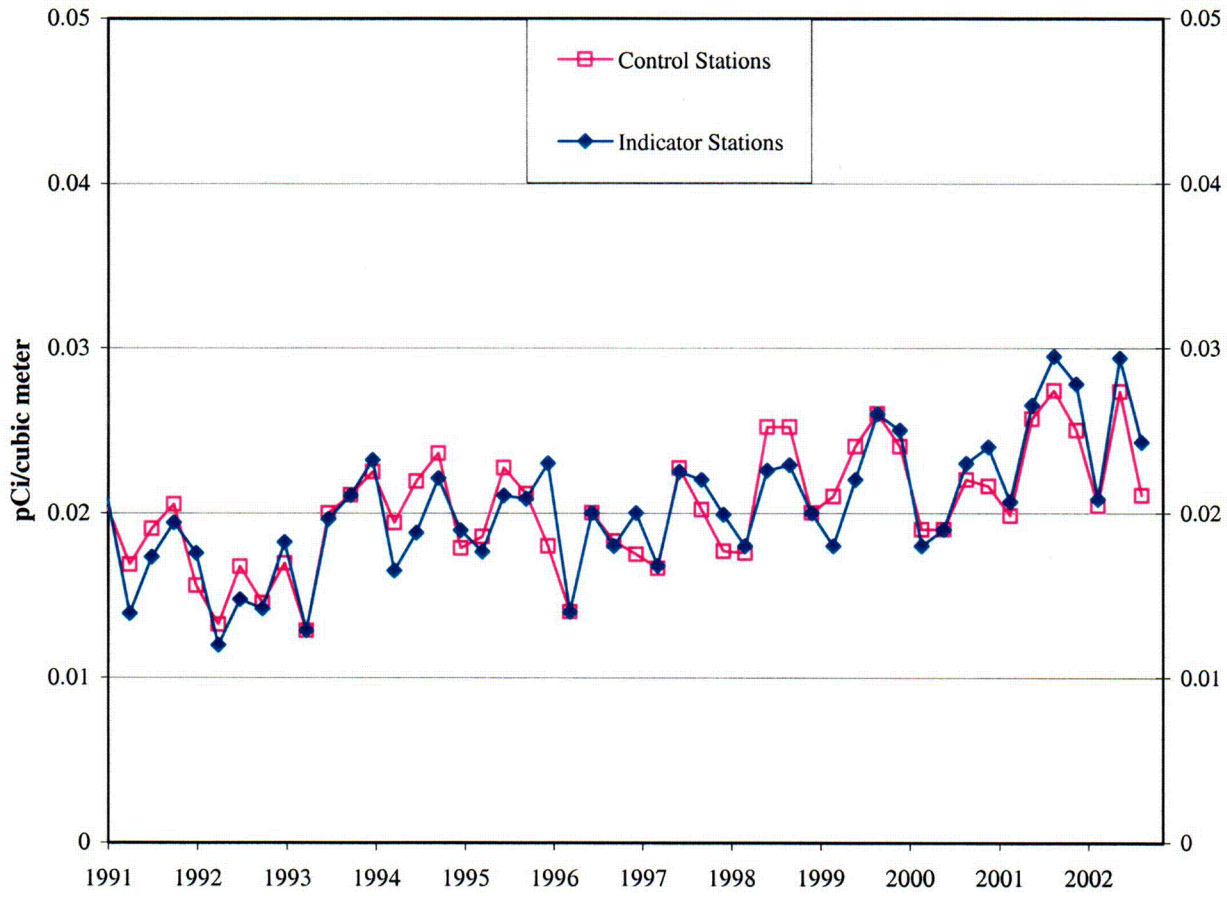
The 2002 REMP data for each media type are discussed below. These are arranged in the same order as in Table 3.1, and are further categorized by pathway. Graphical plots of monitoring data are also shown in Figures 4-1 to 4-11. With respect to data plots, all values are plotted, whether they are "detectable" or "non-detectable."

4.4.1 Air Particulates

The biweekly air particulate filters from each of the six operating sampling sites were analyzed for gross-beta radioactivity. At the end of each quarter, the individual filters collected during the quarter from each sampling site were composited for a gamma analysis. For 2002, no positive plant-related gamma activity was observed in any of the composites. The results of the biweekly air-particulate sampling program are shown in Table 3.1 and Figures 4-1 through 4-2.

Figure 4-1

Gross-Beta Measurements on Air Particulate Filters (Quarterly Averages)



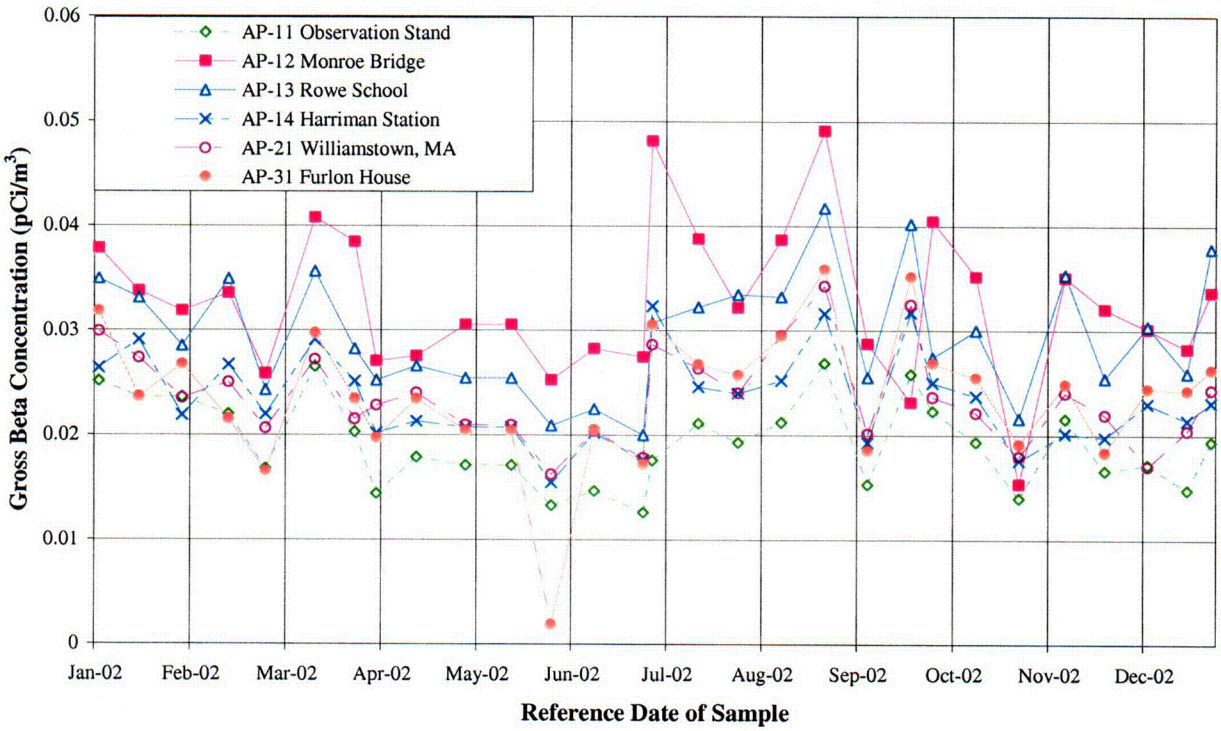
As shown in Figure 4-1, there has been no significant difference between the concentration at the indicator (near-plant) stations and the control (distant from plant) stations. An increase in the average concentration has been noted within the last two years. However, no clear long-term increase in gross beta activity is apparent when looking at data as far back as 18 years.

C01

Figure 4-2 shows the biweekly gross beta concentration at each air particulate sampling location required by the ODCM along with the control air particulate sampling location at AP-21 (Williamstown, MA). It can be seen that the gross-beta measurements on air particulate filters fluctuate significantly over the course of a year. This is due principally to seasonal variations and the related effects on naturally occurring terrestrial radionuclide emissions. The measurements from control station AP-21 vary similarly, indicating that these fluctuations are due to regional changes in naturally-occurring airborne radioactive materials, and not due to YNPS operations. Table 3.1 shows that the mean concentration from indicator stations, on the average, are similar to those from control locations, further supporting this conclusion.

Figure 4-2

Yankee Rowe
Bi-Weekly Air Particulate Gross Beta Analysis Results



4.4.2 River Water

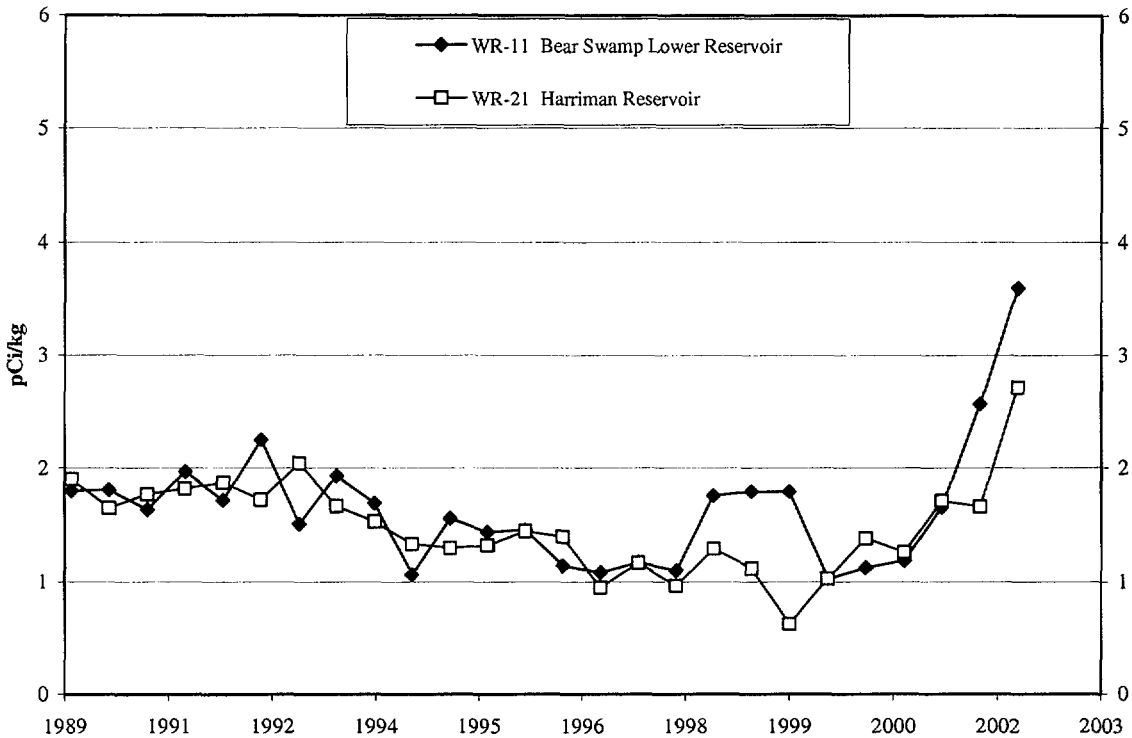
Aliquots of river water were automatically collected every two hours from the Deerfield River downstream from the plant. These composited samples were collected monthly and sent to the FANPEL for analysis. Monthly grab samples were also collected at the Harriman Reservoir control location and at Sherman Pond near the discharge area.

Table 3.1 shows that gross-beta measurements were positive in seventeen of the thirty-five samples collected, as would be expected, due to naturally-occurring radionuclides in the water. The historical concentrations at the indicator and control locations have not been significantly different, as shown in Figure 4-3.

C02

Figure 4-3

Gross-Beta Measurements of River Water (Semi-Annual Averages)



During the last half of 2002, a higher than average gross beta concentration was observed in the river water samples both downstream and upstream (control). However, no gamma-emitting radionuclides attributable to activities at YNPS were detected in any of the samples. For each sampling site, the monthly samples were composited into quarterly samples for H-3 analyses. No H-3 was detected in river water samples during 2002.

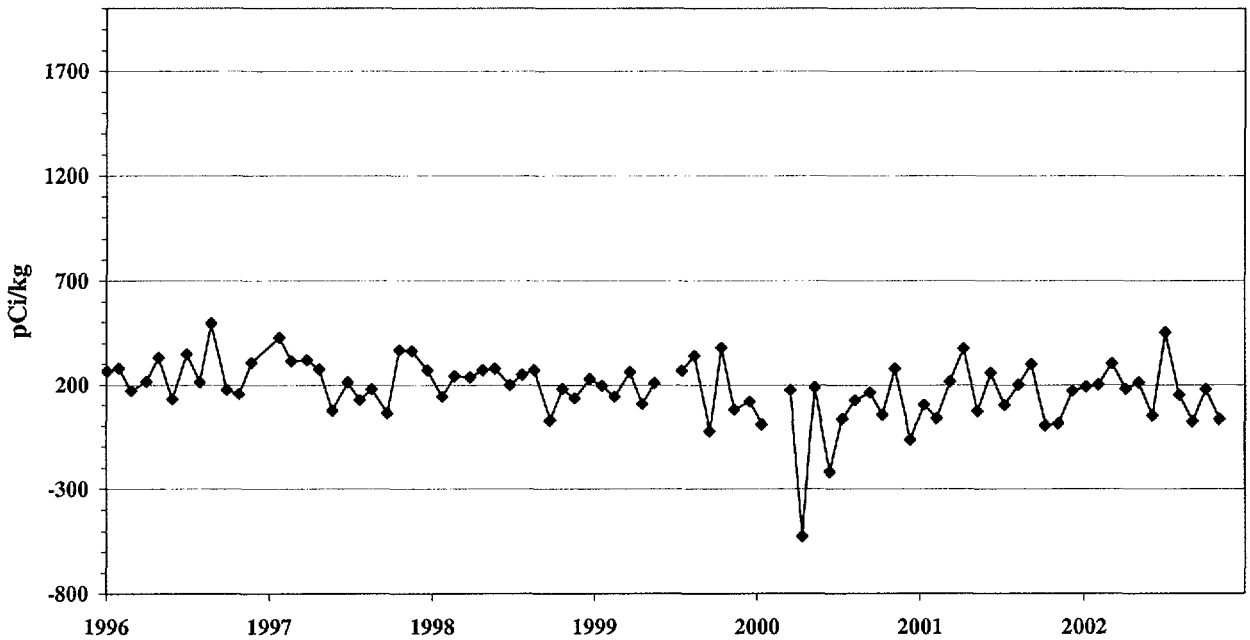
4.4.3 Ground Water

Monthly ground water samples were collected from two on-site locations during 2002. (Only quarterly samples are required by ODCM Table 4.1.) Table 3.1 shows that gross-beta measurements were positive in most of the samples. This is due to naturally-occurring radionuclides in the water.

Tritium was also detected in two of the samples from WG-12 (Sherman Springs). A steadily decreasing concentration of H-3 has been detected in previous years in Sherman Spring samples, as shown in Figure 4-4. The water from Sherman Spring leaves the ground on YNPS property and flows into the Deerfield River. Neither the Deerfield River nor Sherman Spring are used for drinking water.

Figure 4-4

Tritium in Ground Water
Station WG-12, Sherman Spring



No gamma-emitting radionuclides were detected in any of the ground water samples.

4.4.4 Storm Drain Water

Monthly grab samples were collected from the East and West Storm Drains (WW-51 and 52) when available during 2002. Each sample was analyzed for gross-beta and gamma-emitting radionuclides and H-3. Gross-beta measurements were positive in all of the samples taken, as would be expected. The levels are consistent with those from previous years. No gamma-emitting radionuclides or H-3 were detected in any of the samples.

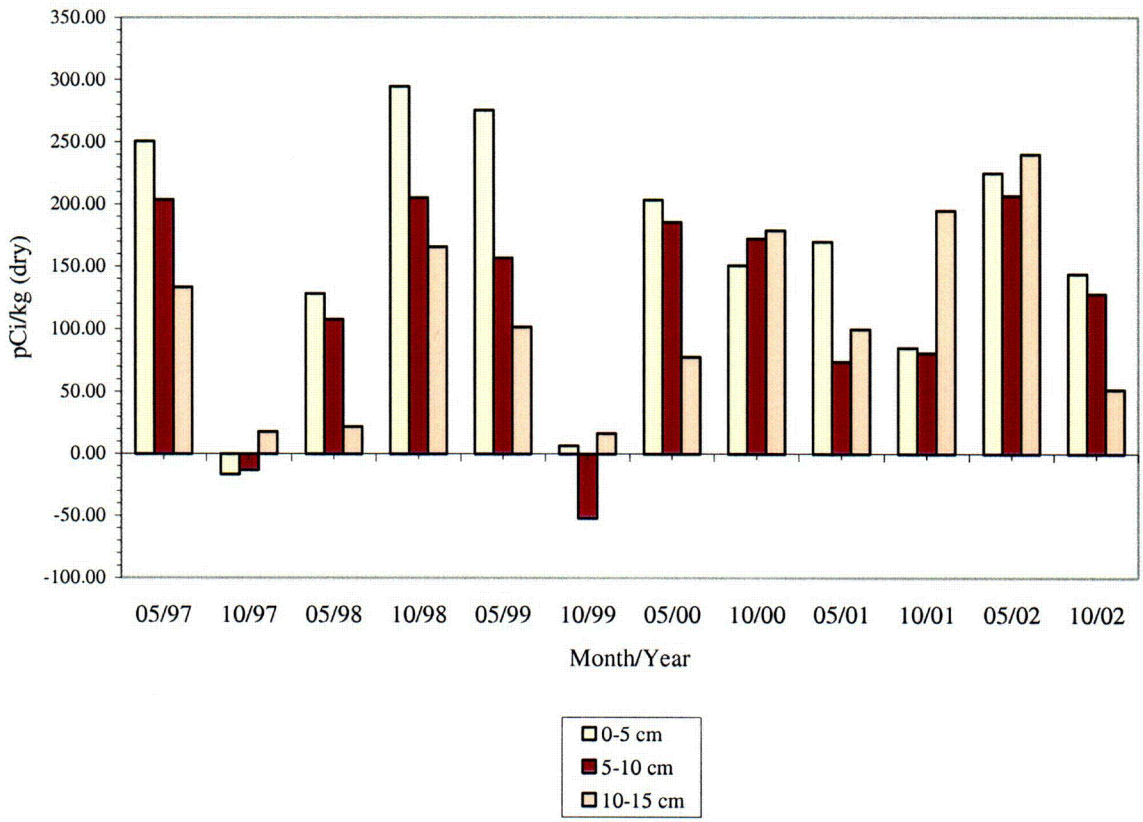
4.4.5 Sediment

Semiannual sediment core samples were collected from three locations during 2002. Each set of samples was segmented by depth (0-5, 5-10, 10-15 cm) and analyzed for gamma-emitting radionuclides. As would be expected, naturally-occurring K-40 and Th-232 were detected in all of the samples.

In addition to the naturally-occurring radionuclides, Cs-137 was detected in fifteen of the eighteen samples. The results from the 0-5 cm depth segment from downstream location SE-11 are consistent with what has been measured in previous years (see Figure 4-5), and is attributed to nuclear weapons testing fallout. The Cs-137 in the 5-10 cm and 10-15 cm depth segments at SE-11 are bounded by levels previously reported at the control location (SE-21). The levels and the distribution of the Cs-137 in the core segments indicate nuclear weapons testing fallout as the origin. At both the indicator and the control location, the character of the sediment is highly dependent on the specific location sampled, which in turn is dependent on the water level in Harriman Reservoir or on the Deerfield River shoreline at the time of sampling. The diverse character of the sediment at either location and the fact that Cs-137 tends to bind more to sediment containing organic matter than to sandy and rocky sediment leads to a wide range of Cs-137 concentrations, as shown in Figures 4-5 through 4-7.

FIGURE 4-5

CESIUM-137 IN SHORELINE SEDIMENT STATION SE-11



C03

FIGURE 4-6

CESIUM-137 IN SHORELINE SEDIMENT STATION SE-21

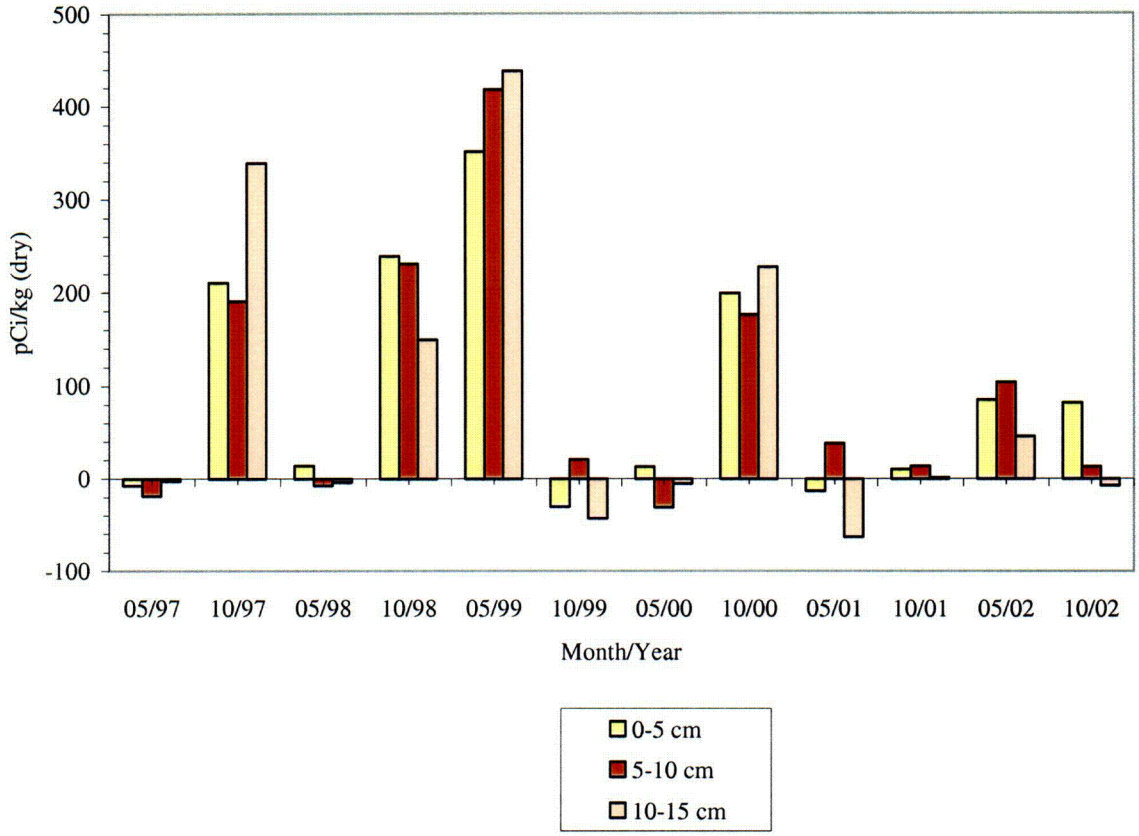


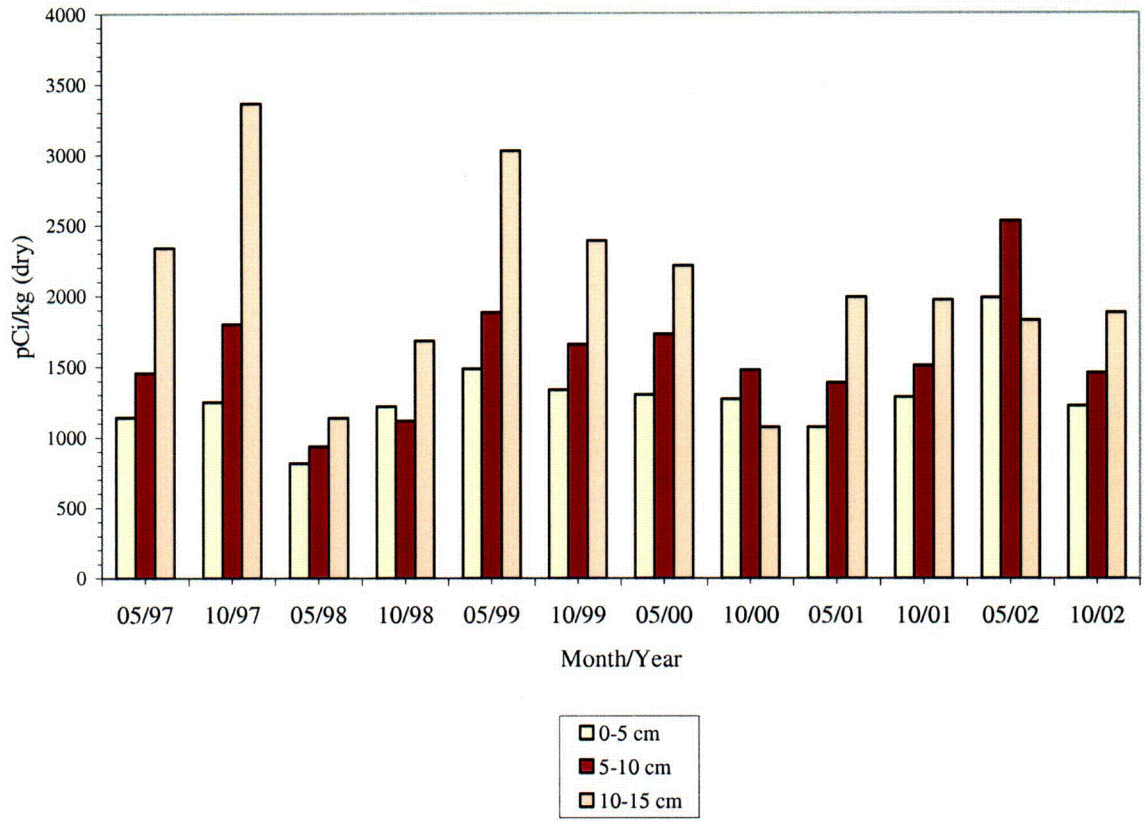
Table 3.1 and Figure 4-7 show the levels of Cs-137 at station SE-91. These samples were collected from a deep water location near the plant discharge in Sherman Pond. Although much of the Cs-137 in this sediment is due to global nuclear weapons testing fallout, some of the Cs-137 in these samples is likely due to effluents released from monitored plant discharges. It is believed that the higher Cs-137 levels at SE-91, whether due to fallout or plant effluents, are related to the physical make-up of the sediment (rich organic benthic layer) at the bottom of Sherman Pond.

Co-60 has also been detected in the deep water sediment at SE-91. With respect to 2002 samples, the 5-10 cm segment from the core taken in May 2002 at SE-91 showed a concentration of 76 $\pm$ 15 pCi/kg-dry. This sample, as all others at SE-91, were collected in deep water, well away from the shoreline and is attributed to licensed plant discharges in past years. None of this radioactivity is involved in any significant pathway to exposure to man.

C04

FIGURE 4-7

CESIUM-137 IN SHORELINE SEDIMENT STATION SE-91



4.4.6 Milk

Milk samples from cows at one control farm were collected monthly (when available) during the year. The indicator farm sold its milking cows in August 1998, making indicator milk samples unavailable since this time. Each control sample was analyzed for gamma-emitting radionuclides. Quarterly composites, by location, were analyzed for Sr-89 and Sr-90.

As expected, naturally-occurring K-40 was detected in all samples. No Sr-89/90 activity was detected in any of the samples.

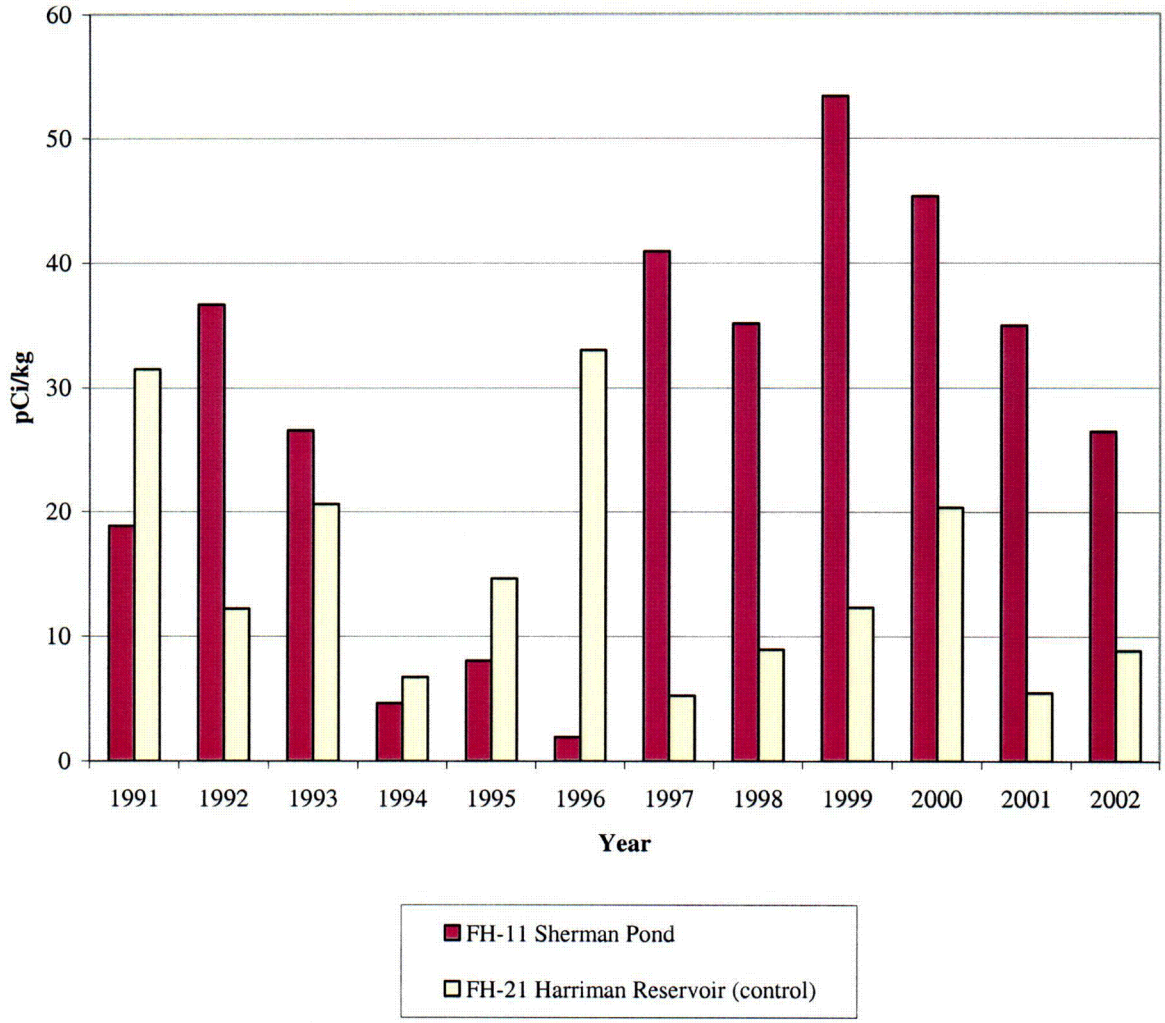
4.4.7 Fish

Semiannual samples of fish were collected from two locations during 2002. The edible portions of each of these were analyzed for gamma-emitting radionuclides. As expected in biological matter, naturally-occurring K-40 was detected in all samples. No other gamma emitting radionuclides were detected in 2002 fish samples. The average Cs-137 concentrations shown in Figure 4-8 are not considered detectable or "positive" measurements because the apparent sample count rate was similar to the background count rate. The wide variation in Cs-137 activity is primarily due to the different species of fish and the specific eating habits of the fish. Fish that are bottom feeders tend to pick up more of the Cs-137 activity located in the water sediment.

C05

FIGURE 4-8

CESIUM-137 IN FISH
ANNUAL AVERAGE CONCENTRATIONS



4.4.8 Food

Three food samples were collected during 2002 and analyzed for gamma-emitting radionuclides. K-40 was detected in two of the three samples. No other gamma emitting radionuclides were detected in 2002 food samples.

4.4.9 Maple Syrup

Processed maple syrup samples were collected from an indicator and control location during the month of March. These samples had been concentrated, relative to the original tree sap, by boiling (see Section 2.5.9). Naturally-occurring K-40 and Cs-137 were detected in the samples. The concentrations of Cs-137 in 2002 samples are consistent with that detected in both indicator and control samples in previous years, and is attributed to global nuclear weapons testing fallout.

C06

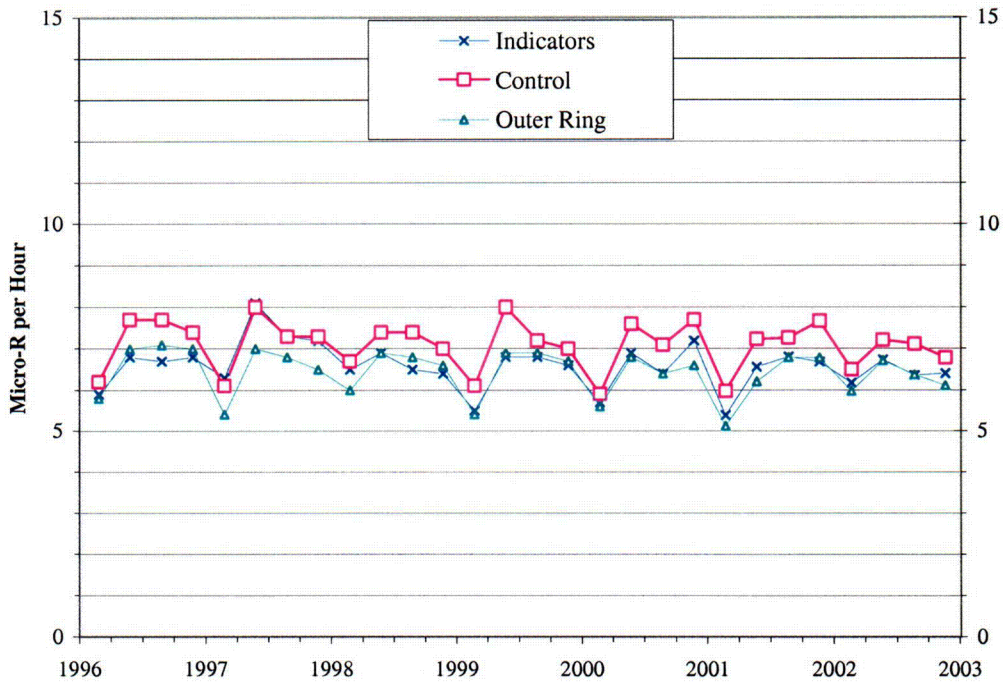
4.4.10 Direct Radiation

Direct radiation is continuously measured at 33 locations surrounding YNPS with the use of thermoluminescent dosimeters (TLDs). These are collected every calendar quarter for readout at the FANPEL.

As shown in Figure 4-9, there is a distinct annual cycle at both indicator and control locations. The lowest point of the cycle occurs during the winter months. This is due primarily to the attenuating effect of the snow cover on radon emissions and on direct irradiation by naturally-occurring radionuclides in the soil. Differing amounts of these radionuclides in the underlying soil, rock or nearby building materials result in different radiation levels between one field site and another.

Figure 4-9

Exposure Rate at Indicator, Outer Ring and Control TLDs

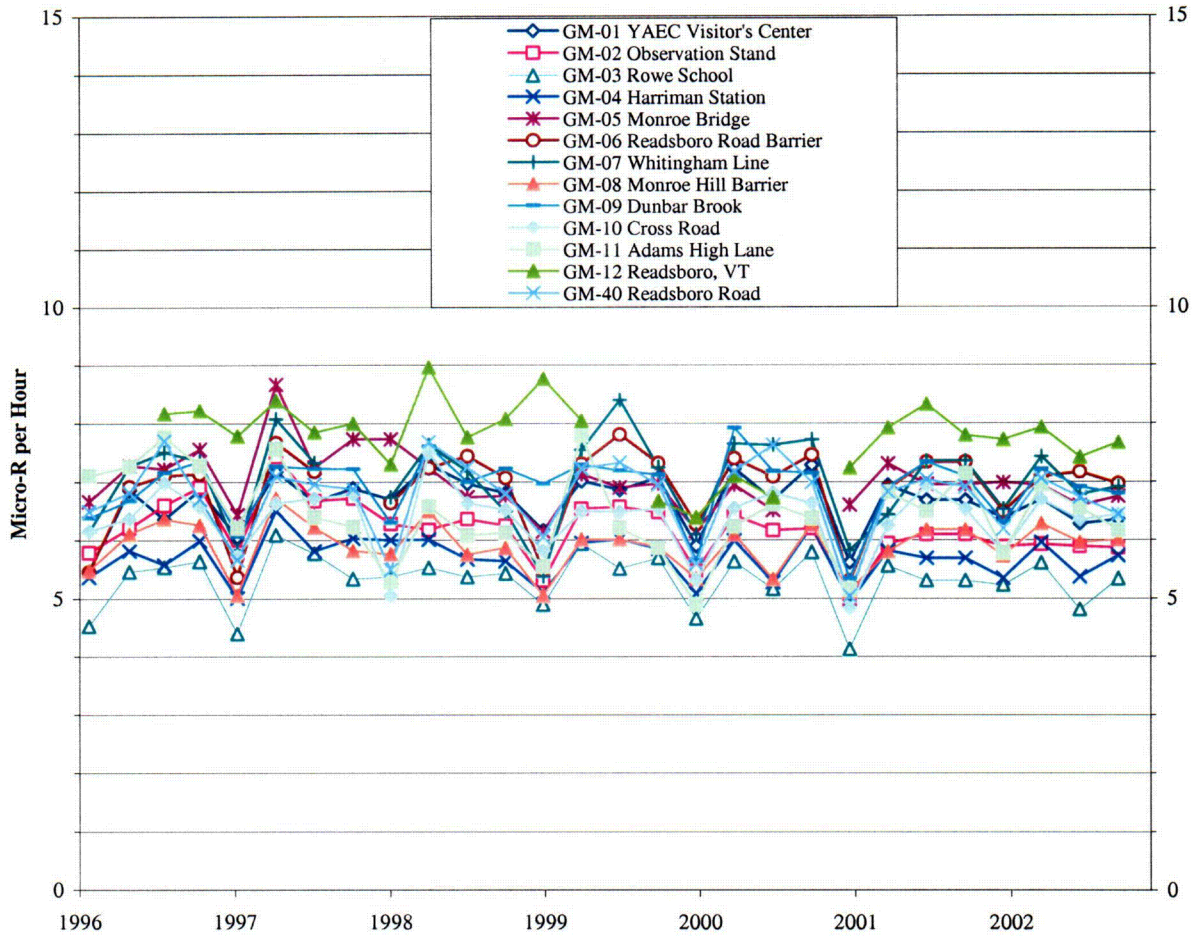


From Table 3.2 and 3.3, it can be seen that the mean exposure rates for the Indicator, Outer Ring, and Control categories were not significantly different in 2002. This indicates that there was no significant overall increase in direct radiation exposure rates in the plant vicinity. As shown in Figures 4-10 through 4-11, the levels in 2002 are consistent with or bounded by levels in previous years.

C07

Figure 4-10

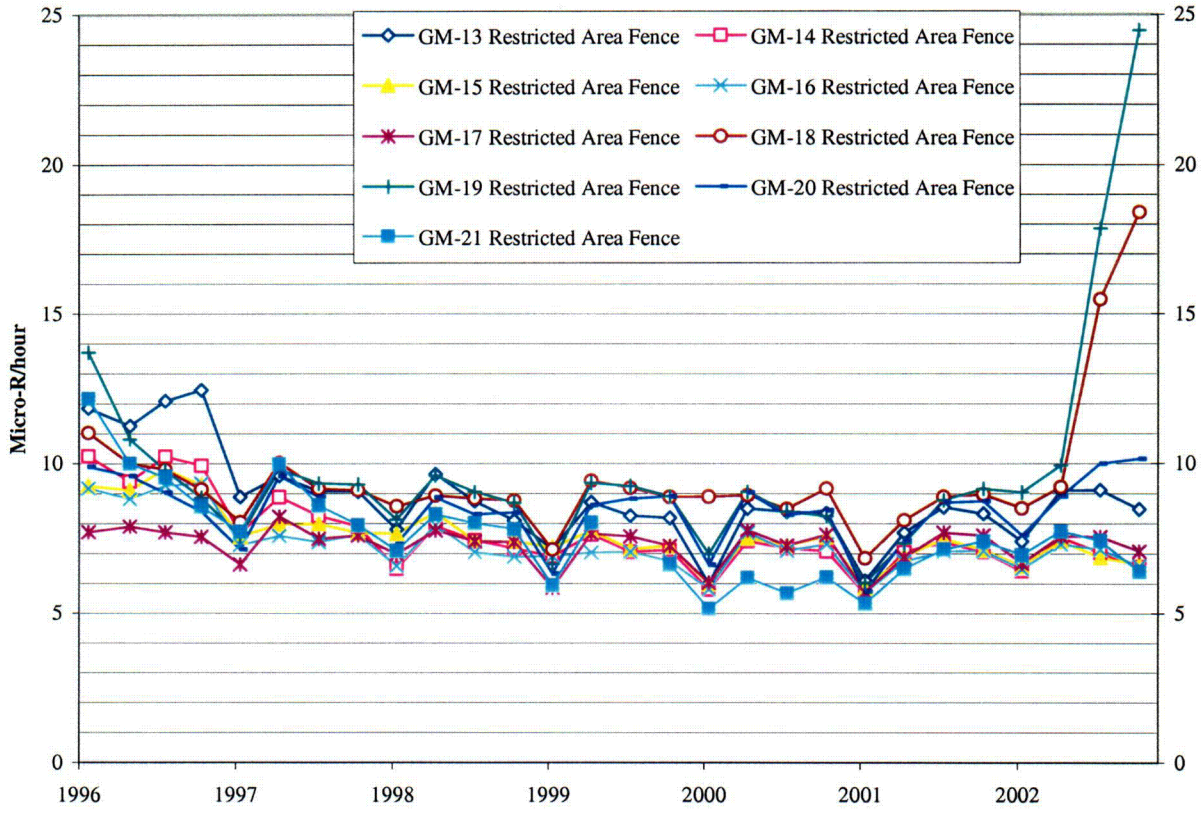
Exposure Rate at Indicator TLDs



C08

Figure 4-11

Exposure Rate at Fenceline TLDs



The Fenceline TLDs shown in Figures 4-11 and summarized in Tables 3.2 and 3.3 are located on the fence surrounding the Radiation Control Area within the YNPS property bounds, and are influenced by licensed plant activities. The elevated exposure rates at TLD locations GM-18 and GM-19 during the third and fourth quarters of 2002 were due to placement of fuel in the Independent Spent Fuel Storage Installation (ISFSI).

C09

5.0 OFF-SITE DOSE EQUIVALENT COMMITMENTS

The purpose of this section is to evaluate off-site dose consequences (dose equivalent commitments) associated with detectable plant related radioactivity in environmental media. The method utilizes actual measurements of the concentrations of radioactivity in various environmental media (e.g., air, milk, fish) to compute the dose consequences resulting from the inhalation or ingestion of such material. These evaluations can be used to provide assurance that the station's radioactive liquid and airborne effluent dose models are unlikely to underestimate actual impacts.

During 2002, there were a few instances where plant-related radioactivity was observed in environmental media. Station related tritium activity was observed in on-site well water. On-site well water is used for station processing and services. A potable well is available for limited on-site human consumption. There was no detectable tritium activity found in samples taken from the potable well. Nonetheless, comparing the maximum H-3 concentration observed (450 pCi/kg) to the EPA standard for tritium in drinking water of 4 mrem/year per 20,000 pCi/L (Reference 7) results in a predicted whole body dose of 0.09 mrem/year to an on-site individual (plant staff). In addition, Cesium-137 and Cobalt-60 were identified in bottom sediment samples. Although these concentrations are attributable to plant-related discharges in past years, these samples were taken from deep water sediment in Sherman Pond where there is no a direct exposure pathway to man.

Since the REMP for 2002 did not indicate plant related radioactivity in off-site media associated directly with human inhalation of ingestion, there is no indication that the plant's effluent dose models underestimate the dose impact to members of the public.

6.0 REFERENCES

1. USNRC Radiological Assessment Branch Technical Position, "An Acceptable Radiological Environmental Monitoring Program," Revision 1, November 1979.

2. NCRP Report No. 94, Exposure of the Population in the United States and Canada from Natural Background Radiation, National Council on Radiation Protection and Measurements, 1987.

3. Ionizing Radiation: Sources and Biological Effects, United Nations Scientific Committee on the Effects of Atomic Radiation (UNSCEAR), 1982 Report to the General Assembly.

4. Kathren, Ronald L., Radioactivity and the Environment - Sources, Distribution, and Surveillance, Harwood Academic Publishers, New York, 1984.

5. Letter, "Issuance of Amendment No. 146 to Facility Possession Only License No. DPR-3-Yankee Nuclear Power Station," M. Fairtile, NRC to J. Grant, Yankee Atomic Electric Company, dated November 5, 1992.

6. NRC Generic Letter 89-01, Subject: Implementation of Programmatic Controls for Radiological Effluent Technical Specifications in the Administrative Controls Section of the Technical Specifications and the Relocation of Procedural Details of RETS to the Offsite Dose Calculation Manual or to the Process Control Program. Dated January 31, 1989.

7. USEPA, 40 CFR 141, National Primary Drinking Water Regulations.

APPENDIX A - LAND USE CENSUS FOR 2002

A Land Use Census is conducted annually between the dates of June 1 and October 1 to identify the locations of the nearest milk animal, the nearest residence, and the nearest garden of greater than 500 square feet producing fresh leafy vegetables in each of the 16 meteorological sectors within a distance of five miles of the plant.

Immediately following the collection of field data, in compliance with ODCM Control 4.2, a dosimetric analysis is performed to compare the census locations to the "Critical Receptor" identified in the ODCM. This Critical Receptor is the location that is used in the conservative Method I dose calculations found in the ODCM (i.e. the dose calculations done in compliance with ODCM Surveillance Requirement 3.4). If a Census location has a 20% greater potential dose than that of the Critical Receptor, this fact must be announced in the Semiannual Effluent Release Report for that period. A re-evaluation of which location to use as a Critical Receptor would also be done at that time. For the 2002 Census, no such location was identified.

Pursuant to ODCM Control 4.2, a dosimetric analysis is then performed, using site specific meteorological data, to determine which milk and food product census locations would provide the optimal sampling locations. If any location has a 20% greater potential dose commitment than at a currently-sampled location, the new location is added to the routine environmental sampling program in replacement of the location with the lowest calculated dose (which is later eliminated from the program). For the 2002 Census, no such garden location was identified, and consequently no changes were mandated for the food product sampling program. Also, there were no milk animal locations that could provide milk samples for the REMP identified in the 2002 census.

The Land Use Census was carried out and completed between the dates of June 1 and October 1, as required. The results of the 2002 Land Use Census are included in this report in compliance with ODCM Surveillance Requirement 4.2. The locations identified during the Census may be found in Table A-1.

TABLE A.1

2002 LAND USE CENSUS LOCATIONS

SECTOR	NEAREST RESIDENCE Km (Mi)	NEAREST GARDEN Km (Mi)	NEAREST MILK ANIMAL Km (Mi)
N	5.2 (3.2)	6.0 (3.7)	*
NNE	4.3 (2.7)	4.8 (3.0)	*
NE	3.4 (2.1)	3.5 (2.1)	*
ENE	3.7 (2.3)	5.8 (3.6)	*
E	2.8 (1.8)	3.4 (2.3)**	*
ESE	3.4 (2.1)	3.4 (2.1)	*
SE	2.0 (1.3)	3.3 (2.1)	*
SSE	1.9 (1.2)	1.9 (1.2)**	*
S	2.1 (1.3)	2.8 (1.8)	3.2 (2.0)**[a]
SSW	*	*	*
SW	1.3 (0.8)	7.2 (4.5)	*
WSW	1.3 (0.8)	1.9 (1.2)	*
W	2.0 (1.3)	2.9 (1.8)	*
WNW	2.0 (1.3)	1.9 (1.3)	*
NW	2.4 (1.5)	2.8 (2.0)**	*
NNW	2.9 (1.8)	3.7 (2.3)	*

* No location was identified within 5 miles of the plant.

** New location in 2002

[a] Limited number of goats. Not able to supply milk for sampling program.

APPENDIX B - QUALITY CONTROL PROGRAM

QUALITY ASSURANCE PROGRAM

The quality assurance program at the Framatome ANP Environmental Laboratory (FANPEL) is designed to serve two overall purposes: 1) Establish a measure of confidence in the measurement process to assure the licensee, regulatory agencies and the public that analytical results are accurate and precise; and 2) Identify deficiencies in the sampling and/or measurement process to those responsible for these operations so that corrective action can be taken. Quality assurance is applied to all steps of the measurement process, including the collection, measurement and reporting of data, as well as the record keeping of the final results. Quality control, as part of the quality assurance program, provides a means to control and measure the characteristics of the measurement equipment and processes, relative to established requirements.

The FANPEL employs a comprehensive quality assurance program designed to monitor the quality of analytical processing to ensure reliable environmental monitoring data. The program includes the use of controlled procedures for all work activities, a nonconformance and corrective action tracking system, systematic internal audits, audits by external groups, a laboratory quality control program, and a staff training program. Monitoring programs include the Intralaboratory Quality Control Program administered by the Laboratory QA Officer (used in conjunction with the National Institute of Standards and Technology Measurement Assurance Program, NIST MAP) and a third party cross check program administered by Analytics, Inc. Together these programs are targeted to supply QC/QA sources at 5% of the client sample analysis load. In addition the Laboratory Quality Control Audit Committee administers a blind duplicate program conducted through client environmental monitoring programs.

This summary reports all intralaboratory and third party results received by FANPEL on or before December 31, 2002.

6.1.1.1.1.1 Intralaboratory Quality Control Program

The FANPEL QA Officer administers an extensive intralaboratory quality control program in which process check samples are submitted for analysis. These samples are submitted either in duplicate to evaluate the precision of a measurement process or are "spiked" with a known amount of radioactive material to assess the bias in the measurement. Table B.1 provides the summary of the process check results for January to December 2002. Of the 510 analyses, 99.2% passed the bias criteria and 97.4% of the results evaluated for precision were acceptable.

6.1.1.1.1.2 Third Party Cross Check Program

The FANPEL participates in a third party cross check program managed by Analytics Inc. to satisfy the requirement of the Environmental Technical Specification/ODCM. The FANPEL Analytics program was originally used to augment the EPA Intercomparison Program that it now replaces. The current program is designed to be comparable to the pre-1996 EPA PE Program in terms of the number of samples, matrices and nuclides. The results for the 4th quarter 2001 through the 3rd quarter 2002 are summarized in Table B.2. Each sample is analyzed in triplicate and the results are evaluated against the internal acceptance criteria described in the FANPEL Manual 100-Laboratory Quality Assurance Plan. This acceptance protocol is used for all interlaboratory programs with no pre-set acceptance criteria. When results fall outside of the acceptance criteria, an investigation is initiated to determine the cause of the problem and if appropriate, corrective measures are taken. The FANPEL internal acceptance criteria are summarized at the end of Table B.2.

6.1.1.1.1.3 Blind Duplicate Program

The Laboratory Quality Control Audit Committee (LQCAC) is comprised of representatives from several New England

FANPEL clients. Two of the primary functions of the LQCAC have been to conduct an annual audit of Laboratory operations and to coordinate the Blind Duplicate Quality Assurance Program. Under the Blind Duplicate Quality Assurance Program, samples are split from homogeneous environmental media by the client and sent to the FANPEL for analysis. They are "blind" in that the identification of the matching sample is not identified to the Laboratory.

Participating clients submitted a total of 28 paired samples in 2002. The measurements evaluated include twenty-six gamma emitting radionuclides, H-3, and gross-beta. All measurements are evaluated, whether the results are statistically positive or not, and whether the net concentration is positive or negative.

The samples submitted as part of this program are listed in Table B.3. For the 2002 program, 99.1% of the measurements met the FANPEL internal acceptance criteria.

6.1.1.1.1.4 Environmental TLD Quality Assurance Program

Performance documentation of the routine processing of the Panasonic environmental TLDs (thermoluminescent dosimeter) program at the FANPEL is provided by the dosimetry quality assurance testing program. This program includes the National Voluntary Laboratory Accreditation Program, independent third party performance testing by Battelle Pacific Northwest Labs and internal performance testing conducted by the Laboratory QA Officer. Under these programs, dosimeters are irradiated to ANSI specified testing criteria and submitted for processing to the Dosimetry Services Group as "unknowns". The bias and precision of TLD processing is measured against this standard and is used to indicate trends and changes in performance. Instrumentation checks, although routinely performed by the Dosimetry Services Group and representing between 5-10% of the TLDs processed, are not presented in this report because they do not represent a true process check sample since the doses are known to the processor.

Eighty-four performance tests were conducted in 2002 by FANPEL and the third party tester. Of these, 100% of the dosimeter evaluations met the FANPEL Internal Acceptance Criteria for bias (± 20.1%) and precision (±12.8%). In addition 14 TLD test sets passed the control limits set by the LQCAC in 1998 to evaluate the sum of the bias and precision values. A tolerance limit of ± 30% applies to environmental dosimeters. Third Party QC results are summarized below.

Percentage of Individual Analyses which passed FANPEL Internal Criteria

Dosimeter Type	Number Tested	Shallow (7mg/cm^2)	
		% passed bias criteria	% passed precision criteria
Panasonic Environmental	84	100	100

Summary of Third Party Testing

Dosimeter Type	Exposure Period	NVLAB Category	Shallow (7mg/cm^2)	
			% (Bias ± SD)	|B| + S*
Panasonic Environmental	Q1/2002	IV, high energy	5.6 ± 1.2	0.068
"	Q2/2002	IV, high energy	8.8 ± 1.1	0.099
"	Q3/2002	IV, high energy	7.1 ± 3.1	0.102

Note: Results are expressed as the delivered exposure for environmental TLD. NVLAB Category IV, High energy photons (Cs-137 or Co-60).

* American National Standards Institute (ANSI) Performance Statistic as referenced in the Dosimetry Services Semi-Annual QA Status Report.

TABLE B.1
FANPEL RESULTS IN THE INTRALABORATORY PROCESS CONTROL PROGRAM
January - December 2002

Media Analysis	Bias Criteria (1)				Precision Criteria (2)			
	1	2	3	4	1	2	3	4
I. Air Charcoal								
Gamma	85	14	1	2	0	0	0	0
II. Air Filter								
Alpha								
Beta	221	9	1	0	0	0	0	0
Gamma								
III. Milk								
Gamma	6	0	0	0	6	0	0	0
Iodine-LL	3	2	0	0	5	0	0	0
Strontium-89	0	1	2	0	3	0	0	0
Strontium-90								
IV. Water								
Gross Alpha	10	11	17	1	5	4	3	0
Gross Beta	33	9	4	0	10	0	0	0
Gamma	18	12	0	0	36	0	2	0
Iodine-LL								
Ni-63	3	0	0	0	3	0	0	0
Radium 226	8	8	2	0	4	1	0	0
Radium-228								
Tritium	10	0	0	0	10	0	0	0
U-234	4	1	0	0	5	0	0	0
U-235	3	2	0	0	5	0	0	0
U-238	4	1	0	0	5	0	0	0
V. Sediment/Soil								
Gamma								
Pu-239	0	0	1	0	0	2	0	2
Am-241	0	0	0	1	0	0	2	1
VI. Vegetation								
Gamma								
Total Number in Range	408	70	28	4	97	7	7	3
Percentage of Total Processed	80.0	13.7	5.5	0.8	85.1	6.1	6.1	2.6
Sum of Analyses	510				114			

(1) Percent Bias Criteria by Bias Category
Bias Category = 1 > 0% and < = 5%
Bias Category = 2 > 5% and < = 10%
Bias Category = 3 > 10% and < = 15%, or within 2 sigma of known
Gross alpha and beta, Sr 89/90 > 10% and < = 25%
Transuranics > 10% and < = 20%
Bias Category = 4 Outside Criteria

(2) Percent Precision Criteria by Precision Category
Precision Category = 1 > 0% and < = 5%
Precision Category = 2 > 5% and < = 10%
Precision Category = 3 > 10% and < = 15%, or within 2 sigma of mean
Precision Category = 4 Outside Criteria

TABLE B.2
FANPEL RESULTS IN THE ANALYTICS INC. CROSS CHECK PROGRAM
Quarter 4, 2001 - Quarter 3, 2002

Sample Number	Quarter/ Year	Sample Media	Nuclide	Reported Value	Known Value	Ratio E-LAB/ Analytics	Evaluation
E2901-162	4th/01	Water	H-3	13510	14060	0.96	Agreement
E2903-162	4th/01	Filter	Gross α	14	16	0.88	Agreement
			Gross β	50	48	1.04	Agreement
E2902A-162	4th/01	Filter	Sr-89	66	82	0.80	Agreement
E2902A-162	4th/01	Filter	Sr-90	54	61	0.89	Agreement
E2904-162	4th/01	Milk	I-131	62	61	1.02	Agreement
			Ce-141	384	379	1.01	Agreement
			Cr-51	527	497	1.06	Agreement
			Cs-134	198	199	0.99	Agreement
			Cs-137	325	318	1.02	Agreement
			Co-58	94	90	1.04	Agreement
			Mn-54	158	149	1.06	Agreement
			Fe-59	109	102	1.07	Agreement
			Zn-65	231	206	1.12	Agreement
			Co-60	353	353	1.00	Agreement
E3096-186	1st/02	Milk	I-131LL	99	90	1.09	Agreement
			Ce-141	32	29	1.10	Agreement
			Cr-51	262	241	1.09	Agreement
			Cs-134	103	110	0.94	Agreement
			Cs-137	248	240	1.03	Agreement
			Mn-54	224	202	1.11	Agreement
			Fe-59	112	104	1.08	Agreement
			Zn-65	215	199	1.08	Agreement
			Co-60	144	142	1.01	Agreement
E3097-186	1st/02	Charcoal	I-131	74	77	0.96	Agreement
E3098-186	1st/02	Charcoal	I-131	65	69	0.94	Agreement
E3099-186	1st/02	Charcoal	I-131	91	87	1.05	Agreement
E3023-162	1st/02	Water	Gross α	56.7	53	1.08	Acceptable
			Gross β	310.3	313	0.99	Acceptable
E3024-162	1st/02	Water	I-131	54.5	61	0.90	Acceptable
			I-131LL	63.4	61	1.04	Acceptable
			Ce-141	239.4	242	0.99	Acceptable
			Cr-51	175.7	198	0.89	Acceptable
			Cs-134	87.8	91	0.97	Acceptable
			Cs-137	197.7	197	1.01	Acceptable
			Mn-54	168.5	166	1.02	Acceptable
			Fe-59	87.6	86	1.02	Acceptable
			Zn-65	157.2	164	0.96	Acceptable
			Co-60	114.6	117	0.98	Acceptable

* **pCi/Liter (Filters in pCi)**

TABLE B.2 (continued)
FANPEL RESULTS IN THE ANALYTICS INC. CROSS CHECK PROGRAM
Quarter 4, 2001 - Quarter 3, 2002

Sample Number	Quarter/ Year	Sample Media	Nuclide	Reported Value	Known Value	Ratio E-LAB/ Analytics	Evaluation
E3025-162	1st/02	Soil	Ce-141	350.7	383	0.92	Acceptable
			AcTh-228	448.3	-	-	-
			Cr-51	274	314	0.87	Acceptable
			Cs-134	136.6	143	0.96	Acceptable
			Cs-137	405.7	439	0.92	Acceptable
			Mn-54	245.8	263	0.94	Acceptable
			Fe-59	140.2	136	1.03	Acceptable
			Zn-65	248.1	259	0.96	Acceptable
			Co-60	168.1	185	0.91	Acceptable
E3026-162	1st/02	Filter	Gross Alpha	21.8	23	0.96	Acceptable
			Gross Beta	149	136	1.1	Acceptable
E3027-162	1st/02	Milk	I-131	87.9	92	0.96	Acceptable
			I-131LL	93	92	1.01	Acceptable
			Ce-141	317.8	326	0.98	Acceptable
			Cr-51	277	267	1.04	Acceptable
			Cs-134	119	122	0.98	Acceptable
			Cs-137	271.2	266	1.02	Acceptable
			Mn-54	231.2	224	1.03	Acceptable
			Fe-59	123.6	116	1.07	Acceptable
			Zn-65	225.9	221	1.02	Acceptable
			Co-60	152.9	158	0.97	Acceptable
E3028-162	1st/02	Milk	Sr-89	79.9	83	0.96	Acceptable
			Sr-90	24.7	27	0.93	Acceptable
E3148-162	2nd/02	Water	H-3	6970	6970	1.00	Acceptable
E3149-162	2nd/02	Water	Sr-89	42	64	0.66	Unacceptable(1)
			Sr-90	36	39	0.92	Acceptable
E3150-162	2nd/02	Filter	Gross Alpha	(2)	(2)	(2)	(2)
			Gross Beta	(2)	(2)	(2)	(2)
E3151-162	2nd/02	Filter	Ce-141	59	61	0.97	Acceptable
			Cr-51	165	160	1.03	Acceptable
			Cs-134	77	82	0.94	Acceptable
			Cs-137	64	62	1.03	Acceptable
			Co-58	68	68	1.00	Acceptable
			Mn-54	69	65	1.06	Acceptable
			Fe-59	62	55	1.13	Acceptable
			Zn-65	131	122	1.07	Acceptable
			Co-60	82	85	0.96	Acceptable
E3152-162	2nd/02	Filter	Sr-90	41	48	0.85	Acceptable

***Units in pCi/Liter (filter in pCi)**

(1) - CR 02-43 issued to investigate failures for Sr-89
(2) - Filter damaged during sample preparation. No results issued.

TABLE B.2 (continued)
FANPEL RESULTS IN THE ANALYTICS INC. CROSS CHECK PROGRAM
Quarter 4, 2001 - Quarter 3, 2002

Sample Number	Quarter/ Year	Sample Media	Nuclide	Reported Value	Known Value	Ratio E-LAB/ Analytics	Evaluation
E3153-162	2nd/02	Milk	I-131	88	87	1.01	Acceptable
			I-131LL	85	87	0.98	Acceptable
			Ce-141	86	90	0.96	Acceptable
			Cr-51	230	235	0.98	Acceptable
			Cs-134	121	120	1.01	Acceptable
			Cs-137	89	91	0.98	Acceptable
			Co-58	100	100	1.00	Acceptable
			Mn-54	97	95	1.02	Acceptable
			Fe-59	83	81	1.02	Acceptable
			Zn-65	179	180	0.99	Acceptable
			Co-60	127	125	1.02	Acceptable
E3288-162	3rd/02	Water	Gross Alpha	73	92	0.79	Acceptable
			Gross Beta	204	239	0.85	Acceptable
E3289-162	3rd/02	Water	I-131	68	79	0.86	Acceptable
			I-131LL	77	79	0.97	Acceptable
			Ce-141	209	214	0.98	Acceptable
			Cr-51	289	304	0.95	Acceptable
			Cs-134	169	176	0.96	Acceptable
			Cs-137	167	169	0.99	Acceptable
			Co-58	129	130	0.99	Acceptable
			Mn-54	206	204	1.01	Acceptable
			Fe-59	118	119	0.99	Acceptable
			Zn-65	251	251	1.00	Acceptable
			Co-60	187	199	1.04	Acceptable
E3291-162	3rd/02	Filter	Gross Alpha	58	59	0.98	Acceptable
			Gross Beta	144	155	0.93	Acceptable
E3292-162	3rd/02	Milk	I-131	79	80	0.99	Acceptable
			I-131LL	77	80	0.96	Acceptable
			Ce-141	156	160	0.98	Acceptable
			Cr-51	231	227	1.02	Acceptable
			Cs-134	128	132	0.97	Acceptable
			Cs-137	122	127	0.96	Acceptable
			Co-58	95	97	0.98	Acceptable
			Mn-54	151	152	0.99	Acceptable
			Fe-59	94	89	1.06	Acceptable
			Zn-65	180	187	0.96	Acceptable
			Co-60	142	149	0.95	Acceptable
E3293-162	3rd/02	Milk	Sr-89	84	92	0.91	Acceptable
			Sr-90	36	39	0.92	Acceptable

***Units in pCi/Liter (filter in pCi)**

Bias Acceptance Criteria ± 15% or as noted.
Gross alpha and beta, Sr 89/90 ± 25%
Transuranics and Radium ± 20% or,

Precision Acceptance Criteria ± 15%, or as noted.
Gross alpha and beta, Sr 89/90 ± 25%
Transuranics and Radium ± 20%

If known value falls within 2 sigma range, acceptance criteria is met.

TABLE B.3

SUMMARY OF BLIND DUPLICATE SAMPLES
January - December 2002

TYPE OF SAMPLE	NUMBER OF PAIRED SAMPLES SUBMITTED
Milk	8
Ground Water	2
Surface Water	12
Algae	2
Mussels	4
Food Product	0
TOTAL	28

APPENDIX C - SUMMARY OF 2002 REMP DATA

MEDIA	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m^3)	STD DEV. (pCi/m3)	MDC (pCi/m3)	
			AIR PARTICULATE					
AP	11	L2146	1/29/2002	GR-B	2.36E-02	7.10E-04	1.40E-03	*
AP	11	L2222	2/13/2002	GR-B	2.20E-02	6.40E-04	1.10E-03	*
AP	11	L2275	2/25/2002	GR-B	1.68E-02	6.90E-04	1.40E-03	*
AP	11	L2394	3/13/2002	GR-B	2.65E-02	6.90E-04	1.20E-03	*
AP	11	L2467	3/26/2002	GR-B	2.03E-02	6.70E-04	1.10E-03	*
AP	11	L2522	4/2/2002	GR-B	1.44E-02	1.00E-03	2.60E-03	*
AP	11	L2614	4/15/2002	GR-B	1.79E-02	7.00E-04	1.50E-03	*
AP	11	L2745	5/1/2002	GR-B	1.71E-02	5.80E-04	9.90E-04	*
AP	11	L2856	5/16/2002	GR-B	1.46E-02	5.70E-04	1.20E-03	*
AP	11	L2980	5/29/2002	GR-B	1.33E-02	6.10E-04	1.20E-03	*
AP	11	L3066	6/12/2002	GR-B	1.47E-02	6.10E-04	1.20E-03	*
AP	11	L3198	6/27/2002	GR-B	1.26E-02	5.40E-04	1.10E-03	*
AP	11	L3249	7/1/2002	GR-B	1.76E-02	1.70E-03	4.60E-03	*
AP	11	L3341	7/16/2002	GR-B	2.11E-02	8.70E-04	1.80E-03	*
AP	11	L3484	7/29/2002	GR-B	1.93E-02	7.50E-04	1.60E-03	*
AP	11	L3533	8/12/2002	GR-B	2.12E-02	8.30E-04	1.30E-03	*
AP	11	L3656	8/26/2002	GR-B	2.69E-02	9.10E-04	1.30E-03	*
AP	11	L3763	9/9/2002	GR-B	1.53E-02	6.40E-04	1.40E-03	*
AP	11	L3884	9/23/2002	GR-B	2.58E-02	7.30E-04	1.00E-03	*
AP	11	L3953	9/30/2002	GR-B	2.23E-02	1.10E-03	2.30E-03	*
AP	11	L4077	10/14/2002	GR-B	1.94E-02	8.00E-04	1.40E-03	*
AP	11	L4194	10/28/2002	GR-B	1.38E-02	6.00E-04	1.30E-03	*
AP	11	L4286	11/12/2002	GR-B	2.16E-02	7.60E-04	1.10E-03	*
AP	11	L4394	11/25/2002	GR-B	1.66E-02	8.50E-04	1.90E-03	*
AP	11	L4476	12/9/2002	GR-B	1.72E-02	7.40E-04	1.30E-03	*
AP	11	L4557	12/22/2002	GR-B	1.48E-02	7.60E-04	1.60E-03	*
AP	11	L4582	12/30/2002	GR-B	1.94E-02	1.10E-03	2.30E-03	*
AP	12	L2061	1/15/2002	GR-B	3.37E-02	2.00E-03	5.10E-03	*
AP	12	L2146	1/29/2002	GR-B	3.18E-02	1.80E-03	4.50E-03	*
AP	12	L2222	2/13/2002	GR-B	3.35E-02	1.60E-03	3.50E-03	*
AP	12	L2275	2/25/2002	GR-B	2.58E-02	1.90E-03	4.70E-03	*
AP	12	L2394	3/13/2002	GR-B	4.07E-02	1.90E-03	4.30E-03	*
AP	12	L2467	3/26/2002	GR-B	3.84E-02	1.90E-03	3.80E-03	*
AP	12	L2522	4/2/2002	GR-B	2.70E-02	3.30E-03	9.40E-03	*
AP	12	L2614	4/15/2002	GR-B	2.75E-02	2.00E-03	5.20E-03	*
AP	12	L2745	5/1/2002	GR-B	3.05E-02	1.60E-03	3.50E-03	*
AP	12	L2856	5/16/2002	GR-B	2.65E-02	1.70E-03	4.10E-03	*
AP	12	L2980	5/29/2002	GR-B	2.52E-02	1.80E-03	4.50E-03	*
AP	12	L3066	6/12/2002	GR-B	2.82E-02	1.80E-03	4.30E-03	*
AP	12	L3198	6/27/2002	GR-B	2.74E-02	1.70E-03	3.90E-03	*
AP	12	L3249	7/1/2002	GR-B	4.81E-02	5.90E-03	1.70E-02	*
AP	12	L3341	7/16/2002	GR-B	3.87E-02	2.00E-03	4.50E-03	*
AP	12	L3484	7/29/2002	GR-B	3.21E-02	2.20E-03	5.70E-03	*
AP	12	L3533	8/12/2002	GR-B	3.86E-02	1.80E-03	3.10E-03	*
AP	12	L3656	8/26/2002	GR-B	4.91E-02	1.90E-03	3.00E-03	*
AP	12	L3763	9/9/2002	GR-B	2.87E-02	1.40E-03	3.10E-03	*
AP	12	L3884	9/23/2002	GR-B	2.31E-02	7.50E-04	1.20E-03	*
AP	12	L3953	9/30/2002	GR-B	4.04E-02	2.30E-03	5.30E-03	*
AP	12	L4077	10/14/2002	GR-B	3.51E-02	1.70E-03	3.20E-03	*
AP	12	L4194	10/28/2002	GR-B	1.53E-02	1.00E-03	2.60E-03	*
AP	12	L4286	11/12/2002	GR-B	3.50E-02	1.50E-03	2.60E-03	*
AP	12	L4394	11/25/2002	GR-B	3.20E-02	1.80E-03	4.30E-03	*
AP	12	L4476	12/9/2002	GR-B	3.01E-02	1.50E-03	3.00E-03	*
AP	12	L4557	12/22/2002	GR-B	2.82E-02	1.70E-03	3.70E-03	*
AP	12	L4582	12/30/2002	GR-B	3.36E-02	2.30E-03	5.20E-03	*

* Radioactivity Detected in Sample (i.e., CONC. > 3*STD. DEV.)

MEDIA	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m^3)	STD DEV. (pCi/m3)	MDC (pCi/m3)	
			AIR PARTICULATE					
AP	13	L2061	1/15/2002	GR-B	3.13E-02	1.90E-03	4.90E-03	*
AP	13	L2146	1/29/2002	GR-B	2.85E-02	1.70E-03	4.30E-03	*
AP	13	L2222	2/13/2002	GR-B	3.49E-02	1.60E-03	3.40E-03	*
AP	13	L2275	2/25/2002	GR-B	2.43E-02	1.70E-03	4.20E-03	*
AP	13	L2394	3/13/2002	GR-B	3.56E-02	1.70E-03	3.80E-03	*
AP	13	L2467	3/26/2002	GR-B	2.82E-02	1.60E-03	3.50E-03	*
AP	13	L2522	4/2/2002	GR-B	2.52E-02	2.90E-03	8.30E-03	*
AP	13	L2614	4/15/2002	GR-B	2.66E-02	1.80E-03	4.70E-03	*
AP	13	L2745	5/1/2002	GR-B	2.54E-02	1.40E-03	3.10E-03	*
AP	13	L2856	5/16/2002	GR-B	2.47E-02	1.50E-03	3.70E-03	*
AP	13	L2980	5/29/2002	GR-B	2.09E-02	1.60E-03	4.10E-03	*
AP	13	L3066	6/12/2002	GR-B	2.25E-02	1.60E-03	3.90E-03	*
AP	13	L3198	6/27/2002	GR-B	2.00E-02	1.50E-03	3.60E-03	*
AP	13	L3249	7/1/2002	GR-B	3.07E-02	5.30E-03	1.60E-02	*
AP	13	L3341	7/16/2002	GR-B	3.22E-02	1.80E-03	4.20E-03	*
AP	13	L3484	7/29/2002	GR-B	3.34E-02	2.10E-03	5.30E-03	*
AP	13	L3533	8/12/2002	GR-B	3.32E-02	2.10E-03	4.50E-03	*
AP	13	L3656	8/26/2002	GR-B	4.17E-02	2.30E-03	4.40E-03	*
AP	13	L3763	9/9/2002	GR-B	2.55E-02	1.80E-03	4.70E-03	*
AP	13	L3884	9/23/2002	GR-B	4.02E-02	1.90E-03	3.50E-03	*
AP	13	L3953	9/30/2002	GR-B	2.74E-02	2.90E-03	7.70E-03	*
AP	13	L4077	10/14/2002	GR-B	3.00E-02	2.10E-03	4.70E-03	*
AP	13	L4194	10/28/2002	GR-B	2.16E-02	1.70E-03	4.40E-03	*
AP	13	L4286	11/12/2002	GR-B	3.53E-02	2.00E-03	3.90E-03	*
AP	13	L4394	11/25/2002	GR-B	2.54E-02	2.40E-03	6.60E-03	*
AP	13	L4476	12/9/2002	GR-B	3.04E-02	2.00E-03	4.50E-03	*
AP	13	L4557	12/22/2002	GR-B	2.59E-02	2.20E-03	5.60E-03	*
AP	13	L4582	12/30/2002	GR-B	3.78E-02	3.30E-03	8.00E-03	*
AP	14	L2061	1/15/2002	GR-B	2.91E-02	1.20E-03	2.80E-03	*
AP	14	L2146	1/29/2002	GR-B	2.19E-02	1.00E-03	2.40E-03	*
AP	14	L2222	2/13/2002	GR-B	2.67E-02	9.70E-04	1.90E-03	*
AP	14	L2275	2/25/2002	GR-B	2.20E-02	1.10E-03	2.30E-03	*
AP	14	L2394	3/13/2002	GR-B	2.91E-02	1.00E-03	2.00E-03	*
AP	14	L2467	3/26/2002	GR-B	2.51E-02	1.00E-03	1.80E-03	*
AP	14	L2522	4/2/2002	GR-B	2.02E-02	1.70E-03	4.40E-03	*
AP	14	L2614	4/15/2002	GR-B	2.13E-02	1.10E-03	2.50E-03	*
AP	14	L2745	5/1/2002	GR-B	2.07E-02	8.60E-04	1.70E-03	*
AP	14	L2856	5/16/2002	GR-B	1.95E-02	8.90E-04	1.90E-03	*
AP	14	L2980	5/29/2002	GR-B	1.55E-02	9.20E-04	2.10E-03	*
AP	14	L3066	6/12/2002	GR-B	2.02E-02	9.50E-04	2.00E-03	*
AP	14	L3198	6/27/2002	GR-B	1.76E-02	8.70E-04	1.80E-03	*
AP	14	L3249	7/1/2002	GR-B	3.23E-02	2.90E-03	7.90E-03	*
AP	14	L3341	7/16/2002	GR-B	2.46E-02	1.00E-03	2.10E-03	*
AP	14	L3484	7/29/2002	GR-B	2.40E-02	1.20E-03	2.70E-03	*
AP	14	L3533	8/12/2002	GR-B	2.52E-02	1.20E-03	2.30E-03	*
AP	14	L3656	8/26/2002	GR-B	3.16E-02	1.30E-03	2.20E-03	*
AP	14	L3763	9/9/2002	GR-B	1.93E-02	1.00E-03	2.30E-03	*
AP	14	L3884	9/23/2002	GR-B	3.17E-02	1.10E-03	1.70E-03	*
AP	14	L3953	9/30/2002	GR-B	2.50E-02	1.60E-03	3.90E-03	*
AP	14	L4077	10/14/2002	GR-B	2.37E-02	1.20E-03	2.30E-03	*
AP	14	L4194	10/28/2002	GR-B	1.76E-02	9.50E-04	2.20E-03	*
AP	14	L4286	11/12/2002	GR-B	2.01E-02	9.80E-04	1.80E-03	*
AP	14	L4394	11/25/2002	GR-B	1.98E-02	1.30E-03	3.30E-03	*
AP	14	L4476	12/9/2002	GR-B	2.30E-02	1.20E-03	2.20E-03	*
AP	14	L4557	12/22/2002	GR-B	2.14E-02	1.20E-03	2.80E-03	*
AP	14	L4582	12/30/2002	GR-B	2.31E-02	1.70E-03	3.90E-03	*

* Radioactivity Detected in Sample (i.e., CONC. > 3*STD. DEV.)

MEDIA	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m^3)	STD DEV. (pCi/m3)	MDC (pCi/m3)	
			AIR PARTICULATE					
AP	21	L2061	1/15/2002	GR-B	2.73E-02	1.10E-03	2.50E-03	*
AP	21	L2146	1/29/2002	GR-B	2.35E-02	1.00E-03	2.20E-03	*
AP	21	L2222	2/13/2002	GR-B	2.50E-02	8.90E-04	1.70E-03	*
AP	21	L2275	2/25/2002	GR-B	2.06E-02	9.80E-04	2.10E-03	*
AP	21	L2394	3/13/2002	GR-B	2.72E-02	9.50E-04	1.90E-03	*
AP	21	L2467	3/26/2002	GR-B	2.15E-02	8.80E-04	1.60E-03	*
AP	21	L2522	4/2/2002	GR-B	2.28E-02	1.50E-03	3.80E-03	*
AP	21	L2614	4/15/2002	GR-B	2.40E-02	1.00E-03	2.20E-03	*
AP	21	L2745	5/1/2002	GR-B	2.09E-02	7.90E-04	1.40E-03	*
AP	21	L2856	5/16/2002	GR-B	1.81E-02	8.00E-04	1.70E-03	*
AP	21	L2980	5/29/2002	GR-B	1.62E-02	8.40E-04	1.80E-03	*
AP	21	L3066	6/12/2002	GR-B	2.04E-02	8.60E-04	1.70E-03	*
AP	21	L3198	6/27/2002	GR-B	1.78E-02	7.90E-04	1.60E-03	*
AP	21	L3249	7/1/2002	GR-B	2.86E-02	2.60E-03	7.10E-03	*
AP	21	L3341	7/16/2002	GR-B	2.63E-02	9.40E-04	1.80E-03	*
AP	21	L3484	7/29/2002	GR-B	2.40E-02	1.00E-03	2.20E-03	*
AP	21	L3533	8/12/2002	GR-B	2.95E-02	1.20E-03	1.90E-03	*
AP	21	L3656	8/26/2002	GR-B	3.42E-02	1.30E-03	1.90E-03	*
AP	21	L3763	9/9/2002	GR-B	2.01E-02	9.00E-04	2.00E-03	*
AP	21	L3884	9/23/2002	GR-B	3.24E-02	9.90E-04	1.50E-03	*
AP	21	L3953	9/30/2002	GR-B	2.36E-02	1.40E-03	3.30E-03	*
AP	21	L4077	10/14/2002	GR-B	2.21E-02	1.10E-03	2.00E-03	*
AP	21	L4194	10/28/2002	GR-B	1.79E-02	8.50E-04	1.90E-03	*
AP	21	L4286	11/12/2002	GR-B	2.40E-02	1.00E-03	1.70E-03	*
AP	21	L4394	11/25/2002	GR-B	2.19E-02	1.20E-03	2.90E-03	*
AP	21	L4476	12/9/2002	GR-B	1.70E-02	9.70E-04	2.00E-03	*
AP	21	L4557	12/22/2002	GR-B	2.04E-02	1.20E-03	2.50E-03	*
AP	21	L4582	12/30/2002	GR-B	2.43E-02	1.60E-03	3.40E-03	*
AP	31	L2061	1/15/2002	GR-B	2.36E-02	1.40E-03	3.40E-03	*
AP	31	L2146	1/29/2002	GR-B	2.67E-02	1.30E-03	3.00E-03	*
AP	31	L2222	2/13/2002	GR-B	2.15E-02	1.10E-03	2.40E-03	*
AP	31	L2275	2/25/2002	GR-B	1.65E-02	1.20E-03	2.90E-03	*
AP	31	L2394	3/13/2002	GR-B	2.97E-02	1.30E-03	2.80E-03	*
AP	31	L2467	3/26/2002	GR-B	2.34E-02	1.20E-03	2.50E-03	*
AP	31	L2522	4/2/2002	GR-B	1.97E-02	2.20E-03	6.10E-03	*
AP	31	L2614	4/15/2002	GR-B	2.34E-02	1.40E-03	3.40E-03	*
AP	31	L2745	5/1/2002	GR-B	2.04E-02	1.10E-03	2.30E-03	*
AP	31	L2856	5/16/2002	GR-B	1.93E-02	1.10E-03	2.70E-03	*
AP	31	L2980	5/29/2002	GR-B	1.83E-02	1.20E-03	2.90E-03	*
AP	31	L3066	6/12/2002	GR-B	2.05E-02	1.20E-03	2.80E-03	*
AP	31	L3198	6/27/2002	GR-B	1.72E-02	1.10E-03	2.50E-03	*
AP	31	L3249	7/1/2002	GR-B	3.05E-02	3.90E-03	1.10E-02	*
AP	31	L3341	7/16/2002	GR-B	2.67E-02	1.30E-03	2.90E-03	*
AP	31	L3484	7/29/2002	GR-B	2.57E-02	1.50E-03	3.80E-03	*
AP	31	L3533	8/12/2002	GR-B	2.94E-02	1.60E-03	3.20E-03	*
AP	31	L3656	8/26/2002	GR-B	3.58E-02	1.70E-03	3.10E-03	*
AP	31	L3763	9/9/2002	GR-B	1.85E-02	1.30E-03	3.30E-03	*
AP	31	L3884	9/23/2002	GR-B	3.51E-02	1.40E-03	2.50E-03	*
AP	31	L3953	9/30/2002	GR-B	2.68E-02	2.20E-03	5.50E-03	*
AP	31	L4077	10/14/2002	GR-B	2.54E-02	1.60E-03	3.40E-03	*
AP	31	L4194	10/28/2002	GR-B	1.91E-02	1.30E-03	3.10E-03	*
AP	31	L4286	11/12/2002	GR-B	2.48E-02	1.40E-03	2.70E-03	*
AP	31	L4394	11/25/2002	GR-B	1.83E-02	1.70E-03	4.70E-03	*
AP	31	L4476	12/9/2002	GR-B	2.44E-02	1.50E-03	3.30E-03	*
AP	31	L4557	12/22/2002	GR-B	2.42E-02	1.70E-03	3.90E-03	*
AP	31	L4582	12/30/2002	GR-B	2.62E-02	2.30E-03	5.70E-03	*

* Radioactivity Detected in Sample (i.e., CONC. > 3*STD. DEV.)

MEDIA	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m^3)	STD DEV. (pCi/m3)	MDC (pCi/m3)	
			AIR PARTICULATE					
AP	11	L2854	4/2/2002	Be-7	6.90E-02	9.10E-03	1.60E-02	*
AP	11	L2854	4/2/2002	Co-58	0.00E+00	3.10E-04	1.40E-03	
AP	11	L2854	4/2/2002	Co-60	9.00E-05	1.50E-04	6.40E-04	
AP	11	L2854	4/2/2002	Cs-134	-2.60E-04	2.10E-04	9.80E-04	
AP	11	L2854	4/2/2002	Cs-137	-1.00E-04	1.40E-04	6.60E-04	
AP	11	L3470	7/1/2002	Be-7	8.30E-02	1.10E-02	2.00E-02	*
AP	11	L3470	7/1/2002	Co-58	-5.10E-04	3.90E-04	1.90E-03	
AP	11	L3470	7/1/2002	Co-60	-2.30E-04	1.60E-04	8.30E-04	
AP	11	L3470	7/1/2002	Cs-134	4.00E-05	1.70E-04	6.90E-04	
AP	11	L3470	7/1/2002	Cs-137	1.00E-05	1.40E-04	5.80E-04	
AP	11	L4151	9/30/2002	Be-7	6.47E-02	7.80E-03	1.00E-02	*
AP	11	L4151	9/30/2002	Co-58	-6.60E-04	2.70E-04	1.60E-03	
AP	11	L4151	9/30/2002	Co-60	-2.00E-05	2.10E-04	9.60E-04	
AP	11	L4151	9/30/2002	Cs-134	-2.60E-04	2.00E-04	1.00E-03	
AP	11	L4151	9/30/2002	Cs-137	-2.70E-04	2.30E-04	1.00E-03	
AP	11	L4837	12/30/2002	Be-7	5.88E-02	6.30E-03	1.20E-02	*
AP	11	L4837	12/30/2002	Co-58	2.00E-04	3.10E-04	1.10E-03	
AP	11	L4837	12/30/2002	Co-60	-1.40E-04	1.40E-04	6.40E-04	
AP	11	L4837	12/30/2002	Cs-134	1.90E-04	1.40E-04	4.50E-04	
AP	11	L4837	12/30/2002	Cs-137	8.00E-05	1.30E-04	4.90E-04	
AP	12	L2854	4/2/2002	Be-7	7.40E-02	2.50E-02	7.20E-02	
AP	12	L2854	4/2/2002	Co-58	-2.40E-03	1.20E-03	6.50E-03	
AP	12	L2854	4/2/2002	Co-60	-8.30E-04	8.90E-04	4.30E-03	
AP	12	L2854	4/2/2002	Cs-134	2.70E-04	4.00E-04	1.70E-03	
AP	12	L2854	4/2/2002	Cs-137	-5.20E-04	5.80E-04	2.60E-03	
AP	12	L3470	7/1/2002	Be-7	1.33E-01	3.70E-02	1.00E-01	*
AP	12	L3470	7/1/2002	Co-58	-1.20E-03	1.60E-03	7.60E-03	
AP	12	L3470	7/1/2002	Co-60	1.00E-03	1.00E-03	3.60E-03	
AP	12	L3470	7/1/2002	Cs-134	-3.00E-04	8.00E-04	3.50E-03	
AP	12	L3470	7/1/2002	Cs-137	0.00E+00	7.70E-04	3.00E-03	
AP	12	L4151	9/30/2002	Be-7	1.03E-01	1.60E-02	3.20E-02	*
AP	12	L4151	9/30/2002	Co-58	3.30E-04	5.60E-04	2.30E-03	
AP	12	L4151	9/30/2002	Co-60	4.00E-04	2.80E-04	5.40E-04	
AP	12	L4151	9/30/2002	Cs-134	8.20E-04	3.70E-04	4.50E-04	
AP	12	L4151	9/30/2002	Cs-137	-3.40E-04	3.50E-04	1.70E-03	
AP	12	L4837	12/30/2002	Be-7	9.80E-02	1.20E-02	2.30E-02	*
AP	12	L4837	12/30/2002	Co-58	0.00E+00	6.00E-04	2.40E-03	
AP	12	L4837	12/30/2002	Co-60	1.50E-04	3.90E-04	1.50E-03	
AP	12	L4837	12/30/2002	Cs-134	2.10E-04	2.40E-04	8.80E-04	
AP	12	L4837	12/30/2002	Cs-137	-1.30E-04	2.40E-04	1.00E-03	

* Radioactivity Detected in Sample (i.e., CONC. > 3*STD. DEV.)

MEDIA	STATION	LSN	END DATE		NUCLIDE	CONC (pCi/m³)	STD DEV. (pCi/m3)	MDC (pCi/m3)	
			AIR PARTICULATE						
AP	13	L2854	4/2/2002	Be-7	8.50E-02	2.20E-02	5.40E-02		*
AP	13	L2854	4/2/2002	Co-58	-6.60E-04	9.80E-04	4.90E-03		
AP	13	L2854	4/2/2002	Co-60	5.80E-04	6.30E-04	2.40E-03		
AP	13	L2854	4/2/2002	Cs-134	-3.60E-04	4.10E-04	2.20E-03		
AP	13	L2854	4/2/2002	Cs-137	-3.40E-04	6.20E-04	2.70E-03		
AP	13	L3470	7/1/2002	Be-7	1.42E-01	3.10E-02	7.40E-02		*
AP	13	L3470	7/1/2002	Co-58	8.00E-04	1.40E-03	5.70E-03		
AP	13	L3470	7/1/2002	Co-60	-4.00E-05	4.50E-04	2.30E-03		
AP	13	L3470	7/1/2002	Cs-134	8.40E-04	7.20E-04	2.50E-03		
AP	13	L3470	7/1/2002	Cs-137	5.30E-04	4.30E-04	1.50E-03		
AP	13	L4151	9/30/2002	Be-7	1.14E-01	1.90E-02	4.10E-02		*
AP	13	L4151	9/30/2002	Co-58	-6.60E-04	8.10E-04	3.80E-03		
AP	13	L4151	9/30/2002	Co-60	-3.50E-04	8.40E-04	3.50E-03		
AP	13	L4151	9/30/2002	Cs-134	7.90E-04	5.10E-04	1.60E-03		
AP	13	L4151	9/30/2002	Cs-137	2.20E-04	4.50E-04	1.80E-03		
AP	13	L4837	12/30/2002	Be-7	5.30E-02	1.50E-02	4.30E-02		*
AP	13	L4837	12/30/2002	Co-58	-3.20E-04	7.50E-04	3.30E-03		
AP	13	L4837	12/30/2002	Co-60	-1.00E-04	5.50E-04	2.30E-03		
AP	13	L4837	12/30/2002	Cs-134	2.40E-04	4.60E-04	1.80E-03		
AP	13	L4837	12/30/2002	Cs-137	5.10E-04	5.00E-04	1.70E-03		
AP	14	L2854	4/2/2002	Be-7	9.30E-02	1.50E-02	3.30E-02		*
AP	14	L2854	4/2/2002	Co-58	0.00E+00	6.80E-04	2.80E-03		
AP	14	L2854	4/2/2002	Co-60	-4.40E-04	4.40E-04	2.10E-03		
AP	14	L2854	4/2/2002	Cs-134	1.10E-04	3.70E-04	1.40E-03		
AP	14	L2854	4/2/2002	Cs-137	0.00E+00	3.00E-04	1.20E-03		
AP	14	L3470	7/1/2002	Be-7	1.03E-01	1.60E-02	3.00E-02		*
AP	14	L3470	7/1/2002	Co-58	-4.80E-04	6.00E-04	2.80E-03		
AP	14	L3470	7/1/2002	Co-60	-2.90E-04	3.30E-04	1.50E-03		
AP	14	L3470	7/1/2002	Cs-134	2.00E-05	1.80E-04	8.20E-04		
AP	14	L3470	7/1/2002	Cs-137	-1.50E-04	2.70E-04	1.10E-03		
AP	14	L4151	9/30/2002	Be-7	9.90E-02	1.10E-02	1.90E-02		*
AP	14	L4151	9/30/2002	Co-58	0.00E+00	5.70E-04	2.20E-03		
AP	14	L4151	9/30/2002	Co-60	2.20E-04	2.80E-04	1.10E-03		
AP	14	L4151	9/30/2002	Cs-134	8.00E-05	2.60E-04	1.00E-03		
AP	14	L4151	9/30/2002	Cs-137	-4.90E-04	2.90E-04	1.30E-03		
AP	14	L4837	12/30/2002	Be-7	6.90E-02	8.60E-03	1.90E-02		*
AP	14	L4837	12/30/2002	Co-58	-5.00E-04	3.40E-04	1.60E-03		
AP	14	L4837	12/30/2002	Co-60	-1.60E-04	2.10E-04	9.10E-04		
AP	14	L4837	12/30/2002	Cs-134	-1.50E-04	2.10E-04	8.90E-04		
AP	14	L4837	12/30/2002	Cs-137	1.90E-04	2.30E-04	8.00E-04		

* Radioactivity Detected in Sample (i.e., CONC. > 3*STD. DEV.)

MEDIA	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m^3)	STD DEV. (pCi/m3)	MDC (pCi/m3)	
			AIR PARTICULATE					
AP	21	L2854	4/2/2002	Be-7	9.10E-02	1.40E-02	3.10E-02	*
AP	21	L2854	4/2/2002	Co-58	4.90E-04	5.10E-04	1.90E-03	
AP	21	L2854	4/2/2002	Co-60	-4.20E-04	5.20E-04	2.30E-03	
AP	21	L2854	4/2/2002	Cs-134	4.00E-05	2.60E-04	1.10E-03	
AP	21	L2854	4/2/2002	Cs-137	-1.70E-04	3.10E-04	1.30E-03	
AP	21	L3470	7/1/2002	Be-7	8.20E-02	1.70E-02	4.10E-02	*
AP	21	L3470	7/1/2002	Co-58	-9.00E-04	4.50E-04	2.90E-03	
AP	21	L3470	7/1/2002	Co-60	2.20E-04	4.00E-04	1.50E-03	
AP	21	L3470	7/1/2002	Cs-134	-2.90E-04	3.10E-04	1.50E-03	
AP	21	L3470	7/1/2002	Cs-137	8.00E-05	3.40E-04	1.30E-03	
AP	21	L4151	9/30/2002	Be-7	1.00E-01	1.20E-02	1.90E-02	*
AP	21	L4151	9/30/2002	Co-58	-4.00E-04	4.90E-04	2.30E-03	
AP	21	L4151	9/30/2002	Co-60	2.90E-04	3.20E-04	1.20E-03	
AP	21	L4151	9/30/2002	Cs-134	-6.70E-04	2.50E-04	1.50E-03	
AP	21	L4151	9/30/2002	Cs-137	-8.00E-05	2.60E-04	1.10E-03	
AP	21	L4837	12/30/2002	Be-7	8.01E-02	9.00E-03	1.70E-02	*
AP	21	L4837	12/30/2002	Co-58	-6.20E-04	3.60E-04	1.70E-03	
AP	21	L4837	12/30/2002	Co-60	1.50E-04	2.30E-04	8.70E-04	
AP	21	L4837	12/30/2002	Cs-134	1.20E-04	2.70E-04	1.00E-03	
AP	21	L4837	12/30/2002	Cs-137	-1.30E-04	2.10E-04	8.50E-04	
AP	31	L2854	4/2/2002	Be-7	7.20E-02	1.50E-02	3.30E-02	*
AP	31	L2854	4/2/2002	Co-58	5.10E-04	9.80E-04	3.80E-03	
AP	31	L2854	4/2/2002	Co-60	1.90E-04	4.00E-04	1.70E-03	
AP	31	L2854	4/2/2002	Cs-134	2.20E-04	4.00E-04	1.60E-03	
AP	31	L2854	4/2/2002	Cs-137	5.90E-04	3.30E-04	9.70E-04	
AP	31	L3470	7/1/2002	Be-7	1.37E-01	2.60E-02	6.20E-02	*
AP	31	L3470	7/1/2002	Co-58	7.00E-04	1.50E-03	5.60E-03	
AP	31	L3470	7/1/2002	Co-60	8.00E-04	5.30E-04	1.70E-03	
AP	31	L3470	7/1/2002	Cs-134	-3.50E-04	6.70E-04	2.80E-03	
AP	31	L3470	7/1/2002	Cs-137	-6.20E-04	4.10E-04	2.00E-03	
AP	31	L4151	9/30/2002	Be-7	9.70E-02	1.60E-02	3.10E-02	*
AP	31	L4151	9/30/2002	Co-58	-3.70E-04	8.60E-04	3.80E-03	
AP	31	L4151	9/30/2002	Co-60	5.00E-04	3.50E-04	6.80E-04	
AP	31	L4151	9/30/2002	Cs-134	-3.60E-04	6.00E-04	2.60E-03	
AP	31	L4151	9/30/2002	Cs-137	1.60E-04	5.20E-04	2.00E-03	
AP	31	L4837	12/30/2002	Be-7	5.60E-02	1.30E-02	3.40E-02	*
AP	31	L4837	12/30/2002	Co-58	-4.10E-04	5.00E-04	2.40E-03	
AP	31	L4837	12/30/2002	Co-60	-4.70E-04	3.30E-04	1.70E-03	
AP	31	L4837	12/30/2002	Cs-134	1.60E-04	3.00E-04	1.20E-03	
AP	31	L4837	12/30/2002	Cs-137	-2.70E-04	3.40E-04	1.40E-03	

* Radioactivity Detected in Sample (i.e., CONC. > 3*STD. DEV.)

MEDIA	STATION	LSN	END_DATE	NUCLIDE	CONC (pCi/kg)	STD DEV. (pCi/kg)	MDC (pCi/kg)	
				FISH				
FH	11	L2995	5/31/2002	Co-58	-4.80E+00	9.70E+00	3.70E+01	
FH	11	L2995	5/31/2002	Co-60	3.60E+00	7.80E+00	2.90E+01	
FH	11	L2995	5/31/2002	Cs-134	1.21E+01	8.80E+00	2.90E+01	
FH	11	L2995	5/31/2002	Cs-137	1.70E+01	1.00E+01	3.30E+01	
FH	11	L2995	5/31/2002	Fe-59	3.10E+01	2.70E+01	9.30E+01	
FH	11	L2995	5/31/2002	K-40	3.09E+03	2.50E+02	4.40E+02	*
FH	11	L2995	5/31/2002	Mn-54	-5.00E+00	9.10E+00	3.40E+01	
FH	11	L2995	5/31/2002	Zn-65	-4.30E+01	2.40E+01	9.60E+01	
FH	11	L4071	10/11/2002	Co-58	-2.00E+00	1.20E+01	4.70E+01	
FH	11	L4071	10/11/2002	Co-60	7.50E+00	8.70E+00	3.10E+01	
FH	11	L4071	10/11/2002	Cs-134	-5.00E+00	9.80E+00	3.80E+01	
FH	11	L4071	10/11/2002	Cs-137	3.60E+01	1.20E+01	3.70E+01	
FH	11	L4071	10/11/2002	Fe-59	-4.50E+01	3.30E+01	1.40E+02	
FH	11	L4071	10/11/2002	K-40	3.47E+03	3.10E+02	5.40E+02	*
FH	11	L4071	10/11/2002	Mn-54	1.50E+00	9.70E+00	3.60E+01	
FH	11	L4071	10/11/2002	Zn-65	-3.60E+01	2.50E+01	1.00E+02	
FH	21	L2995	5/23/2002	Co-58	-6.60E+00	9.80E+00	3.80E+01	
FH	21	L2995	5/23/2002	Co-60	3.20E+00	7.30E+00	2.70E+01	
FH	21	L2995	5/23/2002	Cs-134	1.24E+01	8.60E+00	2.80E+01	
FH	21	L2995	5/23/2002	Cs-137	6.70E+00	9.70E+00	3.40E+01	
FH	21	L2995	5/23/2002	Fe-59	-4.60E+01	2.50E+01	1.10E+02	
FH	21	L2995	5/23/2002	K-40	2.98E+03	2.50E+02	4.30E+02	*
FH	21	L2995	5/23/2002	Mn-54	2.30E+00	7.60E+00	2.80E+01	
FH	21	L2995	5/23/2002	Zn-65	1.20E+01	1.70E+01	5.90E+01	
FH	21	L4071	9/26/2002	Co-58	-1.05E+01	9.90E+00	4.10E+01	
FH	21	L4071	9/26/2002	Co-60	0.00E+00	7.50E+00	2.90E+01	
FH	21	L4071	9/26/2002	Cs-134	-1.80E+00	5.90E+00	2.40E+01	
FH	21	L4071	9/26/2002	Cs-137	1.11E+01	8.20E+00	2.80E+01	
FH	21	L4071	9/26/2002	Fe-59	1.70E+01	3.60E+01	1.30E+02	
FH	21	L4071	9/26/2002	K-40	3.07E+03	2.40E+02	3.90E+02	*
FH	21	L4071	9/26/2002	Mn-54	-1.04E+01	8.10E+00	3.30E+01	
FH	21	L4071	9/26/2002	Zn-65	-3.80E+01	2.40E+01	9.50E+01	

* Radioactivity Detected in Sample (i.e., CONC. > 3*STD. DEV.)

MEDIA	STATION	LSN	END_DATE	NUCLIDE	CONC (pCi/kg)	STD DEV. (pCi/kg)	MDC (pCi/kg)	
				MAPLE SYRUP				
MS	33	L2466	3/26/2002	Th-232	-8.20E+00	7.90E+00	3.80E+01	
MS	33	L2466	3/26/2002	Ag-110m	-1.10E+00	3.80E+00	1.60E+01	
MS	33	L2466	3/26/2002	Ba-140	-2.90E+00	2.90E+00	1.60E+01	
MS	33	L2466	3/26/2002	Be-7	1.60E+01	2.30E+01	8.20E+01	
MS	33	L2466	3/26/2002	Ce-141	-6.40E+00	4.40E+00	1.80E+01	
MS	33	L2466	3/26/2002	Ce-144	-1.30E+01	1.80E+01	7.00E+01	
MS	33	L2466	3/26/2002	Co-57	-2.10E+00	2.70E+00	1.00E+01	
MS	33	L2466	3/26/2002	Co-58	-1.70E+00	3.50E+00	1.40E+01	
MS	33	L2466	3/26/2002	Co-60	4.00E-01	3.50E+00	1.40E+01	
MS	33	L2466	3/26/2002	Cs-134	-3.20E+00	2.70E+00	1.30E+01	
MS	33	L2466	3/26/2002	Cs-137	1.72E+01	5.50E+00	1.60E+01	*
MS	33	L2466	3/26/2002	Fe-59	9.70E+00	6.30E+00	2.00E+01	
MS	33	L2466	3/26/2002	I-131	5.20E+00	4.70E+00	1.60E+01	
MS	33	L2466	3/26/2002	K-40	1.78E+03	1.40E+02	1.40E+02	*
MS	33	L2466	3/26/2002	Mn-54	-3.00E+00	3.00E+00	1.30E+01	
MS	33	L2466	3/26/2002	Ru-103	0.00E+00	2.60E+00	1.00E+01	
MS	33	L2466	3/26/2002	Ru-106	3.00E+00	3.00E+01	1.10E+02	
MS	33	L2466	3/26/2002	Sb-124	2.60E+00	2.60E+00	7.00E+00	
MS	33	L2466	3/26/2002	Zn-65	-1.80E+00	7.80E+00	3.10E+01	
MS	33	L2466	3/26/2002	Zr-95	8.00E-01	3.90E+00	1.60E+01	
MS	45	L2466	3/26/2002	Th-232	1.56E+01	9.80E+00	3.10E+01	
MS	45	L2466	3/26/2002	Ag-110m	-1.00E+00	2.70E+00	1.20E+01	
MS	45	L2466	3/26/2002	Ba-140	1.40E+00	3.10E+00	1.30E+01	
MS	45	L2466	3/26/2002	Be-7	-5.00E+00	1.90E+01	8.00E+01	
MS	45	L2466	3/26/2002	Ce-141	-7.30E+00	4.30E+00	1.70E+01	
MS	45	L2466	3/26/2002	Ce-144	-7.00E+00	1.80E+01	6.60E+01	
MS	45	L2466	3/26/2002	Co-57	1.40E+00	2.30E+00	8.10E+00	
MS	45	L2466	3/26/2002	Co-58	-7.00E-01	2.50E+00	1.00E+01	
MS	45	L2466	3/26/2002	Co-60	2.30E+00	3.00E+00	1.10E+01	
MS	45	L2466	3/26/2002	Cs-134	-8.00E-01	2.40E+00	1.10E+01	
MS	45	L2466	3/26/2002	Cs-137	1.21E+01	4.80E+00	1.40E+01	
MS	45	L2466	3/26/2002	Fe-59	8.20E+00	7.80E+00	2.70E+01	
MS	45	L2466	3/26/2002	I-131	-2.50E+00	4.20E+00	1.70E+01	
MS	45	L2466	3/26/2002	K-40	1.62E+03	1.30E+02	1.20E+02	*
MS	45	L2466	3/26/2002	Mn-54	1.40E+00	2.90E+00	1.10E+01	
MS	45	L2466	3/26/2002	Ru-103	-1.90E+00	2.20E+00	9.90E+00	
MS	45	L2466	3/26/2002	Ru-106	1.20E+01	2.50E+01	9.30E+01	
MS	45	L2466	3/26/2002	Sb-124	-2.80E+00	2.80E+00	1.90E+01	
MS	45	L2466	3/26/2002	Zn-65	-1.47E+01	7.80E+00	3.50E+01	
MS	45	L2466	3/26/2002	Zr-95	7.30E+00	5.00E+00	1.70E+01	

* Radioactivity Detected in Sample (i.e., CONC. > 3*STD. DEV.)

MEDIA	STATION	LSN	END_DATE	NUCLIDE	CONC (pCi/kg)	STD DEV. (pCi/kg)	MDC (pCi/kg)	
				SEDIMENT				
SE	11	L2828	5/10/2002	Th-232	1.36E+03	7.40E+01	2.10E+02	*
SE	11	L2828	5/10/2002	Be-7	9.70E+02	2.50E+02	7.60E+02	*
SE	11	L2828	5/10/2002	Co-58	-3.80E+01	1.80E+01	6.90E+01	
SE	11	L2828	5/10/2002	Co-60	1.70E+01	2.00E+01	7.00E+01	
SE	11	L2828	5/10/2002	Cs-134	4.00E+01	1.90E+01	6.00E+01	
SE	11	L2828	5/10/2002	Cs-137	2.25E+02	2.90E+01	7.80E+01	*
SE	11	L2828	5/10/2002	K-40	1.64E+04	6.30E+02	7.20E+02	*
SE	11	L2828	5/10/2002	Th-232	1.33E+03	7.30E+01	2.80E+02	*
SE	11	L2828	5/10/2002	Be-7	2.00E+02	1.60E+02	5.30E+02	
SE	11	L2828	5/10/2002	Co-58	-1.50E+01	1.60E+01	6.20E+01	
SE	11	L2828	5/10/2002	Co-60	4.00E+00	1.80E+01	6.50E+01	
SE	11	L2828	5/10/2002	Cs-134	-2.50E+01	1.80E+01	6.50E+01	
SE	11	L2828	5/10/2002	Cs-137	2.07E+02	2.90E+01	7.90E+01	*
SE	11	L2828	5/10/2002	K-40	1.80E+04	6.60E+02	8.20E+02	*
SE	11	L2828	5/10/2002	Th-232	1.23E+03	5.70E+01	2.20E+02	*
SE	11	L2828	5/10/2002	Be-7	9.00E+01	1.40E+02	4.60E+02	
SE	11	L2828	5/10/2002	Co-58	-3.10E+01	1.50E+01	5.60E+01	
SE	11	L2828	5/10/2002	Co-60	-4.00E+00	1.40E+01	5.10E+01	
SE	11	L2828	5/10/2002	Cs-134	-1.20E+01	1.50E+01	5.20E+01	
SE	11	L2828	5/10/2002	Cs-137	2.40E+02	2.40E+01	6.20E+01	*
SE	11	L2828	5/10/2002	K-40	1.84E+04	5.40E+02	6.80E+02	*
SE	11	L4192	10/24/2002	Th-232	9.30E+02	1.00E+02	3.70E+02	*
SE	11	L4192	10/24/2002	Be-7	1.20E+02	2.00E+02	6.80E+02	
SE	11	L4192	10/24/2002	Co-58	-2.00E+00	2.10E+01	7.80E+01	
SE	11	L4192	10/24/2002	Co-60	-2.80E+01	3.30E+01	1.20E+02	
SE	11	L4192	10/24/2002	Cs-134	5.80E+01	2.20E+01	6.40E+01	
SE	11	L4192	10/24/2002	Cs-137	1.44E+02	3.70E+01	1.10E+02	*
SE	11	L4192	10/24/2002	K-40	1.73E+04	9.00E+02	9.60E+02	*
SE	11	L4192	10/24/2002	Th-232	1.03E+03	8.70E+01	2.50E+02	*
SE	11	L4192	10/24/2002	Be-7	-1.70E+02	1.50E+02	5.60E+02	
SE	11	L4192	10/24/2002	Co-58	2.00E+00	1.80E+01	6.60E+01	
SE	11	L4192	10/24/2002	Co-60	-4.00E+00	2.30E+01	8.50E+01	
SE	11	L4192	10/24/2002	Cs-134	5.20E+01	2.10E+01	6.40E+01	
SE	11	L4192	10/24/2002	Cs-137	1.28E+02	2.80E+01	8.10E+01	*
SE	11	L4192	10/24/2002	K-40	1.78E+04	7.00E+02	5.50E+02	*
SE	11	L4192	10/24/2002	Th-232	8.36E+02	6.70E+01	1.90E+02	*
SE	11	L4192	10/24/2002	Be-7	7.00E+01	1.30E+02	4.40E+02	
SE	11	L4192	10/24/2002	Co-58	-1.50E+01	1.40E+01	5.50E+01	
SE	11	L4192	10/24/2002	Co-60	1.30E+01	2.10E+01	7.20E+01	
SE	11	L4192	10/24/2002	Cs-134	4.60E+01	1.70E+01	5.20E+01	
SE	11	L4192	10/24/2002	Cs-137	5.20E+01	2.40E+01	7.70E+01	
SE	11	L4192	10/24/2002	K-40	1.68E+04	6.70E+02	7.10E+02	*

* Radioactivity Detected in Sample (i.e., CONC. > 3*STD. DEV.)

MEDIA	STATION	LSN	END_DATE	NUCLIDE	CONC (pCi/kg)	STD DEV. (pCi/kg)	MDC (pCi/kg)	
				SEDIMENT				
SE	21	L2828	5/10/2002	Th-232	3.01E+02	3.70E+01	1.30E+02	*
SE	21	L2828	5/10/2002	Be-7	-1.50E+01	9.30E+01	3.30E+02	
SE	21	L2828	5/10/2002	Co-58	-1.17E+01	9.40E+00	3.60E+01	
SE	21	L2828	5/10/2002	Co-60	-9.00E-01	7.70E+00	2.90E+01	
SE	21	L2828	5/10/2002	Cs-134	-9.10E+00	8.90E+00	3.30E+01	
SE	21	L2828	5/10/2002	Cs-137	8.50E+01	1.50E+01	4.10E+01	*
SE	21	L2828	5/10/2002	K-40	1.24E+04	4.00E+02	3.90E+02	*
SE	21	L2828	5/10/2002	Th-232	5.15E+02	3.60E+01	1.20E+02	*
SE	21	L2828	5/10/2002	Be-7	7.70E+01	7.90E+01	2.70E+02	
SE	21	L2828	5/10/2002	Co-58	-1.34E+01	8.80E+00	3.40E+01	
SE	21	L2828	5/10/2002	Co-60	1.00E+00	8.80E+00	3.20E+01	
SE	21	L2828	5/10/2002	Cs-134	4.60E+01	3.40E+01	1.10E+02	
SE	21	L2828	5/10/2002	Cs-137	1.04E+02	1.30E+01	3.30E+01	*
SE	21	L2828	5/10/2002	K-40	1.24E+04	3.80E+02	3.60E+02	*
SE	21	L2828	5/10/2002	Th-232	7.39E+02	3.10E+01	1.00E+02	*
SE	21	L2828	5/10/2002	Be-7	-2.80E+01	6.50E+01	2.30E+02	
SE	21	L2828	5/10/2002	Co-58	-1.39E+01	7.90E+00	2.90E+01	
SE	21	L2828	5/10/2002	Co-60	3.60E+00	5.90E+00	2.00E+01	
SE	21	L2828	5/10/2002	Cs-134	-4.80E+01	2.80E+01	9.30E+01	
SE	21	L2828	5/10/2002	Cs-137	4.58E+01	9.40E+00	2.80E+01	*
SE	21	L2828	5/10/2002	K-40	1.22E+04	2.90E+02	2.70E+02	*
SE	21	L4192	10/24/2002	Th-232	4.78E+02	3.80E+01	1.30E+02	*
SE	21	L4192	10/24/2002	Be-7	3.80E+01	7.70E+01	2.60E+02	
SE	21	L4192	10/24/2002	Co-58	-2.30E+00	9.30E+00	3.30E+01	
SE	21	L4192	10/24/2002	Co-60	-8.60E+00	8.40E+00	3.20E+01	
SE	21	L4192	10/24/2002	Cs-134	5.00E+00	1.90E+01	7.80E+01	
SE	21	L4192	10/24/2002	Cs-137	8.20E+01	1.40E+01	3.90E+01	*
SE	21	L4192	10/24/2002	K-40	1.44E+04	3.80E+02	2.90E+02	*
SE	21	L4192	10/24/2002	Th-232	5.22E+02	5.10E+01	1.60E+02	*
SE	21	L4192	10/24/2002	Be-7	-9.50E+01	8.00E+01	3.00E+02	
SE	21	L4192	10/24/2002	Co-58	1.00E-01	9.30E+00	3.40E+01	
SE	21	L4192	10/24/2002	Co-60	1.30E+01	1.10E+01	3.60E+01	
SE	21	L4192	10/24/2002	Cs-134	-4.40E+01	3.90E+01	1.30E+02	
SE	21	L4192	10/24/2002	Cs-137	1.30E+01	1.20E+01	4.00E+01	
SE	21	L4192	10/24/2002	K-40	1.39E+04	4.70E+02	3.90E+02	*
SE	21	L4192	10/24/2002	Th-232	4.89E+02	3.80E+01	1.40E+02	*
SE	21	L4192	10/24/2002	Be-7	-6.10E+01	7.50E+01	2.70E+02	
SE	21	L4192	10/24/2002	Co-58	3.00E+00	1.00E+01	3.50E+01	
SE	21	L4192	10/24/2002	Co-60	2.90E+00	7.40E+00	2.70E+01	
SE	21	L4192	10/24/2002	Cs-134	-5.40E+01	3.60E+01	1.20E+02	
SE	21	L4192	10/24/2002	Cs-137	-6.90E+00	8.70E+00	3.20E+01	
SE	21	L4192	10/24/2002	K-40	1.34E+04	3.90E+02	3.40E+02	*

* Radioactivity Detected in Sample (i.e., CONC. > 3*STD. DEV.)

MEDIA	STATION	LSN	END_DATE	NUCLIDE	CONC (pCi/kg)	STD DEV. (pCi/kg)	MDC (pCi/kg)	
				SEDIMENT				
SE	91	L2828	5/10/2002	Th-232	2.11E+03	5.10E+01	2.00E+02	*
SE	91	L2828	5/10/2002	Be-7	-1.20E+02	1.20E+02	4.30E+02	
SE	91	L2828	5/10/2002	Co-58	-1.60E+01	1.30E+01	4.40E+01	
SE	91	L2828	5/10/2002	Co-60	1.80E+01	1.40E+01	4.50E+01	
SE	91	L2828	5/10/2002	Cs-134	-1.90E+01	1.30E+01	4.30E+01	
SE	91	L2828	5/10/2002	Cs-137	1.99E+03	3.50E+01	5.70E+01	*
SE	91	L2828	5/10/2002	K-40	2.59E+04	4.60E+02	6.30E+02	*
SE	91	L2828	5/10/2002	Th-232	1.86E+03	6.50E+01	2.30E+02	*
SE	91	L2828	5/10/2002	Be-7	1.00E+01	1.60E+02	5.40E+02	
SE	91	L2828	5/10/2002	Co-58	-1.10E+01	1.70E+01	5.80E+01	
SE	91	L2828	5/10/2002	Co-60	7.60E+01	1.50E+01	5.20E+01	*
SE	91	L2828	5/10/2002	Cs-134	9.00E+00	1.50E+01	5.10E+01	
SE	91	L2828	5/10/2002	Cs-137	2.53E+03	4.80E+01	7.30E+01	*
SE	91	L2828	5/10/2002	K-40	2.45E+04	5.60E+02	8.10E+02	*
SE	91	L2828	5/10/2002	Th-232	1.69E+03	4.80E+01	1.90E+02	*
SE	91	L2828	5/10/2002	Be-7	-6.00E+01	1.10E+02	3.80E+02	
SE	91	L2828	5/10/2002	Co-58	-1.30E+01	1.10E+01	4.00E+01	
SE	91	L2828	5/10/2002	Co-60	2.50E+01	1.20E+01	3.90E+01	
SE	91	L2828	5/10/2002	Cs-134	-1.40E+01	1.50E+01	5.30E+01	
SE	91	L2828	5/10/2002	Cs-137	1.83E+03	3.30E+01	5.20E+01	*
SE	91	L2828	5/10/2002	K-40	2.48E+04	4.50E+02	5.90E+02	*
SE	91	L4192	10/24/2002	Th-232	1.68E+03	1.40E+02	5.00E+02	*
SE	91	L4192	10/24/2002	Be-7	-1.50E+02	2.60E+02	9.50E+02	
SE	91	L4192	10/24/2002	Co-58	1.90E+01	3.40E+01	1.20E+02	
SE	91	L4192	10/24/2002	Co-60	-1.70E+01	3.10E+01	1.20E+02	
SE	91	L4192	10/24/2002	Cs-134	-4.50E+01	3.20E+01	1.20E+02	
SE	91	L4192	10/24/2002	Cs-137	1.22E+03	6.80E+01	1.20E+02	*
SE	91	L4192	10/24/2002	K-40	2.54E+04	1.10E+03	1.20E+03	*
SE	91	L4192	10/24/2002	Th-232	1.86E+03	7.30E+01	2.50E+02	*
SE	91	L4192	10/24/2002	Be-7	-1.70E+02	1.80E+02	6.40E+02	
SE	91	L4192	10/24/2002	Co-58	-6.00E+00	1.90E+01	6.80E+01	
SE	91	L4192	10/24/2002	Co-60	2.30E+01	1.90E+01	6.40E+01	
SE	91	L4192	10/24/2002	Cs-134	-1.70E+01	1.80E+01	6.40E+01	
SE	91	L4192	10/24/2002	Cs-137	1.46E+03	4.50E+01	8.40E+01	*
SE	91	L4192	10/24/2002	K-40	2.78E+04	6.60E+02	7.60E+02	*
SE	91	L4192	10/24/2002	Th-232	2.05E+03	1.50E+02	4.70E+02	*
SE	91	L4192	10/24/2002	Be-7	-1.80E+02	3.30E+02	1.20E+03	
SE	91	L4192	10/24/2002	Co-58	-4.60E+01	3.70E+01	1.40E+02	
SE	91	L4192	10/24/2002	Co-60	-2.20E+01	4.10E+01	1.50E+02	
SE	91	L4192	10/24/2002	Cs-134	1.17E+02	4.30E+01	1.30E+02	
SE	91	L4192	10/24/2002	Cs-137	1.88E+03	9.00E+01	1.50E+02	*
SE	91	L4192	10/24/2002	K-40	3.12E+04	1.30E+03	1.20E+03	*

* Radioactivity Detected in Sample (i.e., CONC. > 3*STD. DEV.)

MEDIA	STATION	LSN	END_DATE	NUCLIDE	CONC (pCi/kg)	STD DEV. (pCi/kg)	MDC (pCi/kg)	
				FOOD CROP				
TF	11	L3534	8/12/2002	Co-58	3.00E+00	1.30E+01	4.90E+01	
TF	11	L3534	8/12/2002	Co-60	8.00E+00	1.40E+01	5.20E+01	
TF	11	L3534	8/12/2002	Cs-134	-1.00E+01	1.30E+01	5.40E+01	
TF	11	L3534	8/12/2002	Cs-137	-9.00E+00	1.40E+01	5.40E+01	
TF	11	L3534	8/12/2002	I-131	-1.00E+02	1.40E+02	5.30E+02	
TF	11	L3534	8/12/2002	K-40	5.24E+03	4.40E+02	6.00E+02	*
TF	13	L3534	8/12/2002	Co-58	5.00E+00	1.60E+01	6.20E+01	
TF	13	L3534	8/12/2002	Co-60	1.10E+01	1.30E+01	4.90E+01	
TF	13	L3534	8/12/2002	Cs-134	1.10E+01	1.40E+01	5.20E+01	
TF	13	L3534	8/12/2002	Cs-137	-1.40E+01	1.40E+01	5.90E+01	
TF	13	L3534	8/12/2002	I-131	-2.00E+01	1.20E+02	4.70E+02	
TF	13	L3534	8/12/2002	K-40	7.90E+02	2.90E+02	8.60E+02	
TF	21	L3534	8/12/2002	Co-58	-9.00E+00	1.00E+01	4.20E+01	
TF	21	L3534	8/12/2002	Co-60	1.60E+01	1.10E+01	3.80E+01	
TF	21	L3534	8/12/2002	Cs-134	6.00E+00	1.10E+01	4.00E+01	
TF	21	L3534	8/12/2002	Cs-137	1.53E+01	9.30E+00	3.00E+01	
TF	21	L3534	8/12/2002	I-131	9.00E+01	1.10E+02	3.70E+02	
TF	21	L3534	8/12/2002	K-40	1.95E+03	2.40E+02	4.90E+02	*

* Radioactivity Detected in Sample (i.e., CONC. > 3*STD. DEV.)

MEDIA	STATION	LSN	END_DATE	NUCLIDE	CONC (pCi/kg)	STD DEV. (pCi/kg)	MDC (pCi/kg)	
				MILK				
TM	21	L2026	1/3/2002	Ba-140	3.10E+00	3.30E+00	1.20E+01	
TM	21	L2026	1/3/2002	Cs-134	5.00E-01	2.10E+00	7.50E+00	
TM	21	L2026	1/3/2002	Cs-137	-3.20E+00	2.00E+00	7.80E+00	
TM	21	L2026	1/3/2002	I-131	7.00E+00	4.40E+00	1.40E+01	
TM	21	L2026	1/3/2002	K-40	1.48E+03	7.90E+01	8.60E+01	*
TM	21	L2150	1/29/2002	Ba-140	6.00E-01	2.10E+00	8.20E+00	
TM	21	L2150	1/29/2002	Cs-134	1.50E+00	2.00E+00	6.90E+00	
TM	21	L2150	1/29/2002	Cs-137	0.00E+00	1.80E+00	6.50E+00	
TM	21	L2150	1/29/2002	I-131	7.00E-01	2.80E+00	1.00E+01	
TM	21	L2150	1/29/2002	K-40	1.33E+03	7.60E+01	9.30E+01	*
TM	21	L2274	2/25/2002	Ba-140	-1.62E+00	9.20E-01	4.20E+00	
TM	21	L2274	2/25/2002	Cs-134	-4.00E-01	1.20E+00	4.50E+00	
TM	21	L2274	2/25/2002	Cs-137	2.00E-01	1.20E+00	4.40E+00	
TM	21	L2274	2/25/2002	I-131	1.90E+00	1.40E+00	4.60E+00	
TM	21	L2274	2/25/2002	K-40	1.52E+03	5.50E+01	5.60E+01	*
TM	21	L2831	2/25/2002	Sr-89	3.00E-01	1.90E+00	4.90E+00	
TM	21	L2831	2/25/2002	Sr-90	1.33E+00	4.80E-01	1.50E+00	
TM	21	L2520	4/2/2002	Ba-140	-1.20E+00	1.20E+00	5.00E+00	
TM	21	L2520	4/2/2002	Cs-134	-8.00E-01	1.30E+00	4.80E+00	
TM	21	L2520	4/2/2002	Cs-137	1.20E+00	1.00E+00	3.40E+00	
TM	21	L2520	4/2/2002	I-131	1.70E+00	1.50E+00	5.20E+00	
TM	21	L2520	4/2/2002	K-40	1.49E+03	5.70E+01	6.00E+01	*
TM	21	L2737	5/1/2002	Ba-140	-3.00E-01	1.40E+00	5.50E+00	
TM	21	L2737	5/1/2002	Cs-134	-5.00E-01	1.30E+00	4.90E+00	
TM	21	L2737	5/1/2002	Cs-137	-4.00E-01	1.30E+00	4.80E+00	
TM	21	L2737	5/1/2002	I-131	-7.40E+00	2.10E+00	8.70E+00	
TM	21	L2737	5/1/2002	K-40	1.43E+03	5.50E+01	5.00E+01	*
TM	21	L2970	5/29/2002	Ba-140	0.00E+00	1.30E+00	5.00E+00	
TM	21	L2970	5/29/2002	Cs-134	1.30E+00	1.20E+00	3.90E+00	
TM	21	L2970	5/29/2002	Cs-137	-6.00E-01	1.20E+00	4.50E+00	
TM	21	L2970	5/29/2002	I-131	-2.40E+00	1.90E+00	7.00E+00	
TM	21	L2970	5/29/2002	K-40	1.44E+03	5.60E+01	5.50E+01	*
TM	21	L3591	5/29/2002	Sr-89	-6.80E+00	2.30E+00	8.00E+00	
TM	21	L3591	5/29/2002	Sr-90	-5.60E-01	2.90E-01	9.70E-01	

* Radioactivity Detected in Sample (i.e., CONC. > 3*STD. DEV.)

MEDIA	STATION	LSN	END_DATE	NUCLIDE	CONC (pCi/kg)	STD DEV. (pCi/kg)	MDC (pCi/kg)	
				MILK				
TM	21	L3236	7/1/2002	Ba-140	2.10E+00	1.90E+00	6.70E+00	
TM	21	L3236	7/1/2002	Cs-134	8.00E-01	1.10E+00	3.80E+00	
TM	21	L3236	7/1/2002	Cs-137	-4.00E-01	1.10E+00	4.10E+00	
TM	21	L3236	7/1/2002	I-131	-1.60E+00	3.70E+00	1.30E+01	
TM	21	L3236	7/1/2002	K-40	1.43E+03	5.40E+01	5.20E+01	*
TM	21	L3407	7/29/2002	Ba-140	-9.00E-01	1.20E+00	5.20E+00	
TM	21	L3407	7/29/2002	Cs-134	8.00E-01	1.50E+00	5.20E+00	
TM	21	L3407	7/29/2002	Cs-137	4.00E-01	1.60E+00	5.50E+00	
TM	21	L3407	7/29/2002	I-131	6.00E-01	1.50E+00	5.20E+00	
TM	21	L3407	7/29/2002	K-40	1.52E+03	6.60E+01	7.10E+01	*
TM	21	L3707	8/26/2002	Ba-140	-1.10E+00	4.00E+00	1.60E+01	
TM	21	L3707	8/26/2002	Cs-134	5.00E-01	1.70E+00	6.20E+00	
TM	21	L3707	8/26/2002	Cs-137	-2.00E-01	1.60E+00	5.70E+00	
TM	21	L3707	8/26/2002	I-131	3.50E+00	5.60E+00	1.90E+01	
TM	21	L3707	8/26/2002	K-40	1.43E+03	6.70E+01	7.60E+01	*
TM	21	L3983	9/30/2002	Ba-140	2.60E+00	3.10E+00	1.10E+01	
TM	21	L3983	9/30/2002	Cs-134	3.00E-01	2.40E+00	8.70E+00	
TM	21	L3983	9/30/2002	Cs-137	-5.50E+00	2.20E+00	8.90E+00	
TM	21	L3983	9/30/2002	I-131	-1.30E+00	5.30E+00	1.90E+01	
TM	21	L3983	9/30/2002	K-40	1.47E+03	7.50E+01	7.80E+01	*
TM	21	L4350	9/30/2002	Sr-89	1.50E+00	1.70E+00	5.90E+00	
TM	21	L4350	9/30/2002	Sr-90	1.30E-01	3.70E-01	1.20E+00	
TM	21	L4191	10/28/2002	Ba-140	0.00E+00	1.90E+00	7.40E+00	
TM	21	L4191	10/28/2002	Cs-134	2.20E+00	1.40E+00	4.70E+00	
TM	21	L4191	10/28/2002	Cs-137	1.50E+00	1.60E+00	5.30E+00	
TM	21	L4191	10/28/2002	I-131	9.00E-01	2.60E+00	8.90E+00	
TM	21	L4191	10/28/2002	K-40	1.38E+03	6.30E+01	6.10E+01	*
TM	21	L4391	11/25/2002	Ba-140	-1.10E+00	1.30E+00	5.50E+00	
TM	21	L4391	11/25/2002	Cs-134	2.90E+00	1.20E+00	3.80E+00	
TM	21	L4391	11/25/2002	Cs-137	1.50E+00	1.30E+00	4.40E+00	
TM	21	L4391	11/25/2002	I-131	-2.50E+00	2.20E+00	8.10E+00	
TM	21	L4391	11/25/2002	K-40	1.36E+03	5.20E+01	4.60E+01	*
TM	21	L4926	11/25/2002	Sr-89	-3.50E+00	3.00E+00	9.20E+00	
TM	21	L4926	11/25/2002	Sr-90	8.80E-01	5.10E-01	1.70E+00	

* Radioactivity Detected in Sample (i.e., CONC. > 3*STD. DEV.)

MEDIA	STATION	LSN	END_DATE	NUCLIDE	CONC (pCi/kg)	STD DEV. (pCi/kg)	MDC (pCi/kg)	
				GROUND WATER				
WG	11	L2025	1/2/2002	Ba-140	-3.00E+00	2.80E+00	1.30E+01	
WG	11	L2025	1/2/2002	Co-58	-1.60E+00	1.30E+00	5.60E+00	
WG	11	L2025	1/2/2002	Co-60	4.00E-01	1.60E+00	6.00E+00	
WG	11	L2025	1/2/2002	Cs-134	-5.00E-01	1.50E+00	5.80E+00	
WG	11	L2025	1/2/2002	Cs-137	1.50E+00	1.40E+00	4.90E+00	
WG	11	L2025	1/2/2002	Fe-59	-7.40E+00	4.40E+00	2.00E+01	
WG	11	L2025	1/2/2002	GR-B	5.50E+00	7.00E-01	1.80E+00	*
WG	11	L2025	1/2/2002	H-3	2.80E+02	1.10E+02	3.60E+02	
WG	11	L2025	1/2/2002	I-131	-1.40E+00	4.20E+00	1.50E+01	
WG	11	L2025	1/2/2002	Mn-54	1.30E+00	1.50E+00	5.40E+00	
WG	11	L2025	1/2/2002	Zn-65	-8.50E+00	3.70E+00	1.60E+01	
WG	11	L2025	1/2/2002	Zr-95	-3.10E+00	2.50E+00	1.10E+01	
WG	11	L2149	1/29/2002	Ba-140	2.90E+00	2.30E+00	7.80E+00	
WG	11	L2149	1/29/2002	Co-58	-2.00E-01	1.20E+00	4.30E+00	
WG	11	L2149	1/29/2002	Co-60	-8.00E-01	1.00E+00	4.20E+00	
WG	11	L2149	1/29/2002	Cs-134	2.10E+00	1.10E+00	3.40E+00	
WG	11	L2149	1/29/2002	Cs-137	-3.00E-01	1.30E+00	4.80E+00	
WG	11	L2149	1/29/2002	Fe-59	2.90E+00	3.00E+00	1.00E+01	
WG	11	L2149	1/29/2002	GR-B	2.84E+00	6.90E-01	2.00E+00	*
WG	11	L2149	1/29/2002	H-3	-9.00E+01	1.00E+02	3.40E+02	
WG	11	L2149	1/29/2002	I-131	-1.60E+00	3.20E+00	1.20E+01	
WG	11	L2149	1/29/2002	Mn-54	0.00E+00	1.00E+00	3.80E+00	
WG	11	L2149	1/29/2002	Zn-65	1.30E+00	4.50E+00	1.50E+01	
WG	11	L2149	1/29/2002	Zr-95	-8.00E-01	1.90E+00	7.20E+00	
WG	11	L2273	2/25/2002	Ba-140	1.80E+00	2.20E+00	8.00E+00	
WG	11	L2273	2/25/2002	Co-58	-1.70E+00	1.40E+00	6.00E+00	
WG	11	L2273	2/25/2002	Co-60	3.60E+00	1.50E+00	4.30E+00	
WG	11	L2273	2/25/2002	Cs-134	6.00E-01	1.50E+00	5.70E+00	
WG	11	L2273	2/25/2002	Cs-137	-1.00E+00	1.60E+00	6.20E+00	
WG	11	L2273	2/25/2002	Fe-59	0.00E+00	4.20E+00	1.60E+01	
WG	11	L2273	2/25/2002	GR-B	2.48E+00	9.50E-01	2.90E+00	
WG	11	L2273	2/25/2002	H-3	-1.00E+02	1.10E+02	3.40E+02	
WG	11	L2273	2/25/2002	I-131	-6.80E+00	3.00E+00	1.20E+01	
WG	11	L2273	2/25/2002	Mn-54	-2.90E+00	1.70E+00	6.90E+00	
WG	11	L2273	2/25/2002	Zn-65	-3.50E+00	8.00E+00	2.80E+01	
WG	11	L2273	2/25/2002	Zr-95	8.00E-01	2.30E+00	8.60E+00	
WG	11	L2521	4/2/2002	Ba-140	-1.30E+00	2.80E+00	1.00E+01	
WG	11	L2521	4/2/2002	Co-58	-1.80E+00	1.50E+00	5.90E+00	
WG	11	L2521	4/2/2002	Co-60	-6.00E-01	1.60E+00	6.10E+00	
WG	11	L2521	4/2/2002	Cs-134	-3.00E+00	1.70E+00	6.80E+00	
WG	11	L2521	4/2/2002	Cs-137	-1.50E+00	1.60E+00	6.00E+00	
WG	11	L2521	4/2/2002	Fe-59	3.40E+00	3.90E+00	1.40E+01	
WG	11	L2521	4/2/2002	GR-B	3.64E+00	6.10E-01	1.70E+00	*
WG	11	L2521	4/2/2002	H-3	2.00E+01	1.00E+02	3.10E+02	
WG	11	L2521	4/2/2002	I-131	-1.00E+00	2.40E+00	8.60E+00	
WG	11	L2521	4/2/2002	Mn-54	-2.20E+00	1.60E+00	6.20E+00	
WG	11	L2521	4/2/2002	Zn-65	7.90E+00	7.50E+00	2.50E+01	
WG	11	L2521	4/2/2002	Zr-95	-3.10E+00	2.70E+00	1.00E+01	

* Radioactivity Detected in Sample (i.e., CONC. > 3*STD. DEV.)

MEDIA	STATION	LSN	END_DATE	NUCLIDE	CONC (pCi/kg)	STD DEV. (pCi/kg)	MDC (pCi/kg)	
				GROUND WATER				
WG	11	L2738	5/1/2002	Ba-140	0.00E+00	2.90E+00	1.20E+01	
WG	11	L2738	5/1/2002	Co-58	-8.00E-01	1.70E+00	6.60E+00	
WG	11	L2738	5/1/2002	Co-60	3.30E+00	1.30E+00	3.20E+00	
WG	11	L2738	5/1/2002	Cs-134	-9.00E-01	1.70E+00	6.60E+00	
WG	11	L2738	5/1/2002	Cs-137	-7.00E-01	1.60E+00	6.30E+00	
WG	11	L2738	5/1/2002	Fe-59	6.40E+00	4.00E+00	1.30E+01	
WG	11	L2738	5/1/2002	GR-B	4.40E+00	1.10E+00	3.00E+00	*
WG	11	L2738	5/1/2002	H-3	1.50E+02	1.20E+02	3.80E+02	
WG	11	L2738	5/1/2002	I-131	-5.00E-01	4.30E+00	1.60E+01	
WG	11	L2738	5/1/2002	Mn-54	-1.70E+00	1.60E+00	6.50E+00	
WG	11	L2738	5/1/2002	Zn-65	-2.90E+00	3.60E+00	1.50E+01	
WG	11	L2738	5/1/2002	Zr-95	2.60E+00	2.10E+00	7.00E+00	
WG	11	L2971	5/29/2002	Ba-140	-8.00E-01	2.80E+00	1.20E+01	
WG	11	L2971	5/29/2002	Co-58	-2.00E+00	1.60E+00	6.60E+00	
WG	11	L2971	5/29/2002	Co-60	3.10E+00	1.80E+00	5.60E+00	
WG	11	L2971	5/29/2002	Cs-134	2.40E+00	1.50E+00	4.80E+00	
WG	11	L2971	5/29/2002	Cs-137	-7.00E-01	1.30E+00	5.10E+00	
WG	11	L2971	5/29/2002	Fe-59	-3.00E+00	3.90E+00	1.70E+01	
WG	11	L2971	5/29/2002	GR-B	6.16E+00	8.80E-01	2.30E+00	*
WG	11	L2971	5/29/2002	H-3	1.60E+02	1.20E+02	3.50E+02	
WG	11	L2971	5/29/2002	I-131	6.30E+00	4.10E+00	1.40E+01	
WG	11	L2971	5/29/2002	Mn-54	1.80E+00	1.50E+00	5.10E+00	
WG	11	L2971	5/29/2002	Zn-65	-9.80E+00	3.30E+00	1.50E+01	
WG	11	L2971	5/29/2002	Zr-95	3.60E+00	2.50E+00	8.20E+00	
WG	11	L3237	7/1/2002	Ba-140	-2.60E+00	3.60E+00	1.50E+01	
WG	11	L3237	7/1/2002	Co-58	3.00E-01	1.50E+00	5.60E+00	
WG	11	L3237	7/1/2002	Co-60	4.00E-01	1.50E+00	5.80E+00	
WG	11	L3237	7/1/2002	Cs-134	-1.10E+00	1.40E+00	5.60E+00	
WG	11	L3237	7/1/2002	Cs-137	-6.00E-01	1.50E+00	5.60E+00	
WG	11	L3237	7/1/2002	Fe-59	2.60E+00	3.60E+00	1.30E+01	
WG	11	L3237	7/1/2002	GR-B	5.46E+00	9.90E-01	2.50E+00	*
WG	11	L3237	7/1/2002	H-3	-1.29E+02	8.90E+01	2.80E+02	
WG	11	L3237	7/1/2002	I-131	-6.00E-01	4.90E+00	1.80E+01	
WG	11	L3237	7/1/2002	Mn-54	1.30E+00	1.50E+00	5.10E+00	
WG	11	L3237	7/1/2002	Zn-65	1.30E+00	2.70E+00	1.00E+01	
WG	11	L3237	7/1/2002	Zr-95	7.00E-01	2.10E+00	8.00E+00	
WG	11	L3408	7/29/2002	Ba-140	-1.70E+00	2.30E+00	9.10E+00	
WG	11	L3408	7/29/2002	Co-58	-2.80E+00	1.50E+00	6.30E+00	
WG	11	L3408	7/29/2002	Co-60	-1.30E+00	2.00E+00	7.80E+00	
WG	11	L3408	7/29/2002	Cs-134	-3.00E-01	1.70E+00	6.40E+00	
WG	11	L3408	7/29/2002	Cs-137	-2.60E+00	2.10E+00	8.10E+00	
WG	11	L3408	7/29/2002	Fe-59	-1.90E+00	3.90E+00	1.60E+01	
WG	11	L3408	7/29/2002	GR-B	1.26E+01	1.50E+00	2.90E+00	*
WG	11	L3408	7/29/2002	H-3	1.20E+02	1.10E+02	3.50E+02	
WG	11	L3408	7/29/2002	I-131	1.70E+00	1.90E+00	6.40E+00	
WG	11	L3408	7/29/2002	Mn-54	-2.50E+00	1.70E+00	6.80E+00	
WG	11	L3408	7/29/2002	Zn-65	2.68E+01	9.00E+00	2.80E+01	
WG	11	L3408	7/29/2002	Zr-95	-2.30E+00	2.70E+00	1.00E+01	

* Radioactivity Detected in Sample (i.e., CONC. > 3*STD. DEV.)

MEDIA	STATION	LSN	END_DATE	NUCLIDE	CONC (pCi/kg)	STD DEV. (pCi/kg)	MDC (pCi/kg)	
				GROUND WATER				
WG	11	L3657	8/26/2002	Ba-140	-6.00E-01	1.50E+00	5.50E+00	
WG	11	L3657	8/26/2002	Co-58	-1.70E+00	1.30E+00	4.80E+00	
WG	11	L3657	8/26/2002	Co-60	9.00E-01	1.30E+00	4.50E+00	
WG	11	L3657	8/26/2002	Cs-134	5.00E-01	1.30E+00	4.60E+00	
WG	11	L3657	8/26/2002	Cs-137	-1.90E+00	1.40E+00	5.10E+00	
WG	11	L3657	8/26/2002	Fe-59	-5.50E+00	2.90E+00	1.20E+01	
WG	11	L3657	8/26/2002	GR-B	4.00E+00	1.00E+00	2.90E+00	*
WG	11	L3657	8/26/2002	H-3	-1.50E+02	1.10E+02	3.40E+02	
WG	11	L3657	8/26/2002	I-131	1.70E+00	1.70E+00	5.80E+00	
WG	11	L3657	8/26/2002	Mn-54	-1.30E+00	1.20E+00	4.40E+00	
WG	11	L3657	8/26/2002	Zn-65	1.84E+01	6.60E+00	2.10E+01	
WG	11	L3657	8/26/2002	Zr-95	-5.00E-01	1.70E+00	6.40E+00	
WG	11	L3942	9/30/2002	Ba-140	3.90E+00	2.90E+00	9.70E+00	
WG	11	L3942	9/30/2002	Co-58	-4.60E+00	2.00E+00	8.50E+00	
WG	11	L3942	9/30/2002	Co-60	2.00E-01	1.90E+00	7.20E+00	
WG	11	L3942	9/30/2002	Cs-134	-8.00E-01	1.90E+00	7.30E+00	
WG	11	L3942	9/30/2002	Cs-137	-1.80E+00	1.90E+00	7.60E+00	
WG	11	L3942	9/30/2002	Fe-59	-8.80E+00	4.60E+00	2.10E+01	
WG	11	L3942	9/30/2002	GR-B	2.88E+00	9.30E-01	2.80E+00	*
WG	11	L3942	9/30/2002	H-3	-2.00E+02	1.20E+02	3.90E+02	
WG	11	L3942	9/30/2002	I-131	-8.00E-01	4.20E+00	1.50E+01	
WG	11	L3942	9/30/2002	Mn-54	-2.10E+00	2.00E+00	7.80E+00	
WG	11	L3942	9/30/2002	Zn-65	2.90E+00	3.00E+00	1.10E+01	
WG	11	L3942	9/30/2002	Zr-95	-2.00E-01	3.10E+00	1.20E+01	
WG	11	L4193	10/28/2002	Ba-140	3.10E+00	2.10E+00	7.00E+00	
WG	11	L4193	10/28/2002	Co-58	-2.80E+00	1.30E+00	5.50E+00	
WG	11	L4193	10/28/2002	Co-60	1.00E-01	1.40E+00	5.20E+00	
WG	11	L4193	10/28/2002	Cs-134	1.50E+00	1.30E+00	4.20E+00	
WG	11	L4193	10/28/2002	Cs-137	-2.50E+00	1.30E+00	5.30E+00	
WG	11	L4193	10/28/2002	Fe-59	-8.00E-01	2.60E+00	9.80E+00	
WG	11	L4193	10/28/2002	GR-B	2.30E+00	9.50E-01	2.90E+00	
WG	11	L4193	10/28/2002	H-3	1.53E+02	9.40E+01	2.90E+02	
WG	11	L4193	10/28/2002	I-131	6.10E+00	2.50E+00	7.90E+00	
WG	11	L4193	10/28/2002	Mn-54	-8.00E-01	1.10E+00	4.10E+00	
WG	11	L4193	10/28/2002	Zn-65	2.60E+00	5.30E+00	1.80E+01	
WG	11	L4193	10/28/2002	Zr-95	3.00E-01	2.00E+00	7.20E+00	
WG	11	L4398	11/25/2002	Ba-140	-9.00E-01	1.60E+00	6.40E+00	
WG	11	L4398	11/25/2002	Co-58	-1.30E+00	1.10E+00	4.40E+00	
WG	11	L4398	11/25/2002	Co-60	-5.00E-01	1.00E+00	3.90E+00	
WG	11	L4398	11/25/2002	Cs-134	-3.00E-01	1.30E+00	4.60E+00	
WG	11	L4398	11/25/2002	Cs-137	1.00E-01	1.10E+00	4.00E+00	
WG	11	L4398	11/25/2002	Fe-59	2.00E-01	2.70E+00	9.70E+00	
WG	11	L4398	11/25/2002	GR-B	3.10E+00	1.00E+00	3.10E+00	*
WG	11	L4398	11/25/2002	H-3	-1.50E+02	1.20E+02	3.70E+02	
WG	11	L4398	11/25/2002	I-131	-1.00E+00	2.20E+00	7.90E+00	
WG	11	L4398	11/25/2002	Mn-54	1.00E-01	1.00E+00	3.70E+00	
WG	11	L4398	11/25/2002	Zn-65	7.00E+00	5.20E+00	1.70E+01	
WG	11	L4398	11/25/2002	Zr-95	-5.00E-01	1.80E+00	6.60E+00	

* Radioactivity Detected in Sample (i.e., CONC. > 3*STD. DEV.)

MEDIA	STATION	LSN	END_DATE	NUCLIDE	CONC (pCi/kg)	STD DEV. (pCi/kg)	MDC (pCi/kg)	
				GROUND WATER				
WG	12	L2025	1/2/2002	Ba-140	1.60E+00	2.10E+00	7.30E+00	
WG	12	L2025	1/2/2002	Co-58	2.00E-01	1.00E+00	3.70E+00	
WG	12	L2025	1/2/2002	Co-60	-2.33E+00	9.60E-01	4.40E+00	
WG	12	L2025	1/2/2002	Cs-134	-4.90E-01	9.80E-01	3.80E+00	
WG	12	L2025	1/2/2002	Cs-137	-1.47E+00	9.00E-01	3.70E+00	
WG	12	L2025	1/2/2002	Fe-59	1.50E+00	2.60E+00	9.60E+00	
WG	12	L2025	1/2/2002	GR-B	6.94E+00	7.80E-01	1.90E+00	*
WG	12	L2025	1/2/2002	H-3	1.70E+02	1.20E+02	3.40E+02	
WG	12	L2025	1/2/2002	I-131	2.80E+00	3.00E+00	1.00E+01	
WG	12	L2025	1/2/2002	Mn-54	-1.45E+00	9.40E-01	3.80E+00	
WG	12	L2025	1/2/2002	Zn-65	-3.50E+00	2.40E+00	9.60E+00	
WG	12	L2025	1/2/2002	Zr-95	1.00E+00	1.70E+00	6.10E+00	
WG	12	L2149	1/29/2002	Ba-140	-3.30E+00	1.80E+00	8.20E+00	
WG	12	L2149	1/29/2002	Co-58	-1.60E+00	1.10E+00	4.40E+00	
WG	12	L2149	1/29/2002	Co-60	-9.00E-02	9.70E-01	3.70E+00	
WG	12	L2149	1/29/2002	Cs-134	8.30E-01	9.30E-01	3.20E+00	
WG	12	L2149	1/29/2002	Cs-137	1.07E+00	9.40E-01	3.20E+00	
WG	12	L2149	1/29/2002	Fe-59	-6.40E+00	3.00E+00	1.30E+01	
WG	12	L2149	1/29/2002	GR-B	2.72E+00	7.30E-01	2.20E+00	*
WG	12	L2149	1/29/2002	H-3	1.90E+02	1.00E+02	3.40E+02	
WG	12	L2149	1/29/2002	I-131	2.70E+00	2.70E+00	9.20E+00	
WG	12	L2149	1/29/2002	Mn-54	-1.07E+00	7.80E-01	3.20E+00	
WG	12	L2149	1/29/2002	Zn-65	-3.00E-01	2.10E+00	7.90E+00	
WG	12	L2149	1/29/2002	Zr-95	-1.70E+00	2.10E+00	7.80E+00	
WG	12	L2273	2/25/2002	Ba-140	6.00E-01	2.00E+00	7.90E+00	
WG	12	L2273	2/25/2002	Co-58	-6.00E-01	1.20E+00	4.90E+00	
WG	12	L2273	2/25/2002	Co-60	9.00E-01	1.40E+00	5.20E+00	
WG	12	L2273	2/25/2002	Cs-134	8.00E-01	1.40E+00	5.30E+00	
WG	12	L2273	2/25/2002	Cs-137	7.00E-01	1.50E+00	5.30E+00	
WG	12	L2273	2/25/2002	Fe-59	3.40E+00	3.10E+00	1.10E+01	
WG	12	L2273	2/25/2002	GR-B	5.50E+00	1.20E+00	3.20E+00	*
WG	12	L2273	2/25/2002	H-3	2.00E+02	1.10E+02	3.40E+02	
WG	12	L2273	2/25/2002	I-131	-3.50E+00	2.80E+00	1.10E+01	
WG	12	L2273	2/25/2002	Mn-54	8.00E-01	1.60E+00	5.60E+00	
WG	12	L2273	2/25/2002	Zn-65	1.90E+00	3.30E+00	1.20E+01	
WG	12	L2273	2/25/2002	Zr-95	3.60E+00	2.50E+00	8.50E+00	
WG	12	L2521	4/2/2002	Ba-140	-2.20E+00	2.00E+00	9.10E+00	
WG	12	L2521	4/2/2002	Co-58	-3.40E+00	1.50E+00	6.40E+00	
WG	12	L2521	4/2/2002	Co-60	-1.10E+00	1.40E+00	6.10E+00	
WG	12	L2521	4/2/2002	Cs-134	-1.40E+00	1.40E+00	6.00E+00	
WG	12	L2521	4/2/2002	Cs-137	-1.50E+00	1.50E+00	6.00E+00	
WG	12	L2521	4/2/2002	Fe-59	4.90E+00	4.10E+00	1.40E+01	
WG	12	L2521	4/2/2002	GR-B	8.19E+00	7.20E-01	1.70E+00	*
WG	12	L2521	4/2/2002	H-3	3.01E+02	9.70E+01	3.00E+02	*
WG	12	L2521	4/2/2002	I-131	3.80E+00	2.10E+00	6.60E+00	
WG	12	L2521	4/2/2002	Mn-54	8.00E-01	1.30E+00	4.90E+00	
WG	12	L2521	4/2/2002	Zn-65	-2.00E+00	3.00E+00	1.20E+01	
WG	12	L2521	4/2/2002	Zr-95	-1.40E+00	2.10E+00	8.70E+00	

* Radioactivity Detected in Sample (i.e., CONC. > 3*STD. DEV.)

MEDIA	STATION	LSN	END_DATE	NUCLIDE	CONC (pCi/kg)	STD DEV. (pCi/kg)	MDC (pCi/kg)	
				GROUND WATER				
WG	12	L2738	5/1/2002	Ba-140	-5.00E+00	3.30E+00	1.50E+01	
WG	12	L2738	5/1/2002	Co-58	-1.00E-01	1.40E+00	5.50E+00	
WG	12	L2738	5/1/2002	Co-60	-9.00E-01	1.80E+00	7.40E+00	
WG	12	L2738	5/1/2002	Cs-134	-7.00E-01	1.50E+00	5.90E+00	
WG	12	L2738	5/1/2002	Cs-137	3.00E-01	1.50E+00	5.50E+00	
WG	12	L2738	5/1/2002	Fe-59	6.10E+00	4.30E+00	1.40E+01	
WG	12	L2738	5/1/2002	GR-B	4.10E+00	1.10E+00	3.10E+00	*
WG	12	L2738	5/1/2002	H-3	1.80E+02	1.20E+02	3.90E+02	
WG	12	L2738	5/1/2002	I-131	-3.00E+00	3.80E+00	1.40E+01	
WG	12	L2738	5/1/2002	Mn-54	1.70E+00	1.50E+00	5.00E+00	
WG	12	L2738	5/1/2002	Zn-65	-1.40E+00	3.50E+00	1.40E+01	
WG	12	L2738	5/1/2002	Zr-95	2.30E+00	2.40E+00	8.50E+00	
WG	12	L2971	5/29/2002	Ba-140	0.00E+00	2.20E+00	8.40E+00	
WG	12	L2971	5/29/2002	Co-58	1.00E-01	1.10E+00	3.90E+00	
WG	12	L2971	5/29/2002	Co-60	1.20E+00	1.00E+00	3.50E+00	
WG	12	L2971	5/29/2002	Cs-134	1.41E+00	8.90E-01	2.90E+00	
WG	12	L2971	5/29/2002	Cs-137	6.00E-01	1.00E+00	3.50E+00	
WG	12	L2971	5/29/2002	Fe-59	8.00E-01	3.10E+00	1.20E+01	
WG	12	L2971	5/29/2002	GR-B	5.44E+00	8.50E-01	2.20E+00	*
WG	12	L2971	5/29/2002	H-3	2.10E+02	1.10E+02	3.40E+02	
WG	12	L2971	5/29/2002	I-131	-3.60E+00	3.10E+00	1.20E+01	
WG	12	L2971	5/29/2002	Mn-54	1.00E-01	1.00E+00	3.80E+00	
WG	12	L2971	5/29/2002	Zn-65	9.20E+00	3.80E+00	1.20E+01	
WG	12	L2971	5/29/2002	Zr-95	-7.00E-01	1.80E+00	7.00E+00	
WG	12	L3237	7/1/2002	Ba-140	-2.00E+00	3.10E+00	1.30E+01	
WG	12	L3237	7/1/2002	Co-58	1.90E+00	1.40E+00	4.50E+00	
WG	12	L3237	7/1/2002	Co-60	-1.30E+00	1.40E+00	5.70E+00	
WG	12	L3237	7/1/2002	Cs-134	0.00E+00	1.40E+00	5.20E+00	
WG	12	L3237	7/1/2002	Cs-137	5.00E-01	1.30E+00	4.50E+00	
WG	12	L3237	7/1/2002	Fe-59	7.60E+00	3.90E+00	1.20E+01	
WG	12	L3237	7/1/2002	GR-B	9.10E+00	1.20E+00	2.90E+00	*
WG	12	L3237	7/1/2002	H-3	4.70E+01	8.90E+01	2.80E+02	
WG	12	L3237	7/1/2002	I-131	4.80E+00	4.50E+00	1.50E+01	
WG	12	L3237	7/1/2002	Mn-54	8.00E-01	1.20E+00	4.40E+00	
WG	12	L3237	7/1/2002	Zn-65	-1.00E-01	2.60E+00	9.70E+00	
WG	12	L3237	7/1/2002	Zr-95	1.50E+00	2.10E+00	7.60E+00	
WG	12	L3408	7/29/2002	Ba-140	6.20E-01	9.40E-01	3.40E+00	
WG	12	L3408	7/29/2002	Co-58	-3.60E-01	7.80E-01	3.00E+00	
WG	12	L3408	7/29/2002	Co-60	-1.20E+00	1.00E+00	4.10E+00	
WG	12	L3408	7/29/2002	Cs-134	-9.00E-02	9.40E-01	3.50E+00	
WG	12	L3408	7/29/2002	Cs-137	-2.10E+00	9.40E-01	3.90E+00	
WG	12	L3408	7/29/2002	Fe-59	3.90E+00	2.30E+00	7.60E+00	
WG	12	L3408	7/29/2002	GR-B	1.43E+01	1.60E+00	3.30E+00	*
WG	12	L3408	7/29/2002	H-3	4.50E+02	1.20E+02	3.60E+02	*
WG	12	L3408	7/29/2002	I-131	-1.40E+00	1.00E+00	3.90E+00	
WG	12	L3408	7/29/2002	Mn-54	-1.73E+00	8.10E-01	3.40E+00	
WG	12	L3408	7/29/2002	Zn-65	2.40E+00	2.70E+00	8.80E+00	
WG	12	L3408	7/29/2002	Zr-95	1.30E+00	1.60E+00	5.40E+00	

* Radioactivity Detected in Sample (i.e., CONC. > 3*STD. DEV.)

MEDIA	STATION	LSN	END_DATE	NUCLIDE	CONC (pCi/kg)	STD DEV. (pCi/kg)	MDC (pCi/kg)	
				GROUND WATER				
WG	12	L3657	8/26/2002	Ba-140	1.00E+00	1.60E+00	5.80E+00	
WG	12	L3657	8/26/2002	Co-58	-1.40E+00	1.20E+00	4.80E+00	
WG	12	L3657	8/26/2002	Co-60	-1.00E+00	1.00E+00	4.30E+00	
WG	12	L3657	8/26/2002	Cs-134	4.00E-01	1.20E+00	4.20E+00	
WG	12	L3657	8/26/2002	Cs-137	-1.50E+00	1.00E+00	4.10E+00	
WG	12	L3657	8/26/2002	Fe-59	-3.80E+00	2.60E+00	1.00E+01	
WG	12	L3657	8/26/2002	GR-B	9.00E+00	1.50E+00	3.70E+00	*
WG	12	L3657	8/26/2002	H-3	1.50E+02	1.10E+02	3.50E+02	
WG	12	L3657	8/26/2002	I-131	-2.70E+00	1.90E+00	7.40E+00	
WG	12	L3657	8/26/2002	Mn-54	-2.00E-01	1.10E+00	4.10E+00	
WG	12	L3657	8/26/2002	Zn-65	-2.70E+00	4.40E+00	1.60E+01	
WG	12	L3657	8/26/2002	Zr-95	-8.00E-01	1.80E+00	7.00E+00	
WG	12	L3942	9/30/2002	Ba-140	1.00E+00	2.10E+00	8.00E+00	
WG	12	L3942	9/30/2002	Co-58	-1.50E+00	1.70E+00	6.60E+00	
WG	12	L3942	9/30/2002	Co-60	3.00E-01	1.40E+00	5.50E+00	
WG	12	L3942	9/30/2002	Cs-134	-1.10E+00	1.70E+00	6.70E+00	
WG	12	L3942	9/30/2002	Cs-137	-3.00E-01	1.80E+00	6.80E+00	
WG	12	L3942	9/30/2002	Fe-59	2.30E+00	5.60E+00	2.00E+01	
WG	12	L3942	9/30/2002	GR-B	8.80E+00	1.30E+00	3.10E+00	*
WG	12	L3942	9/30/2002	H-3	2.00E+01	1.20E+02	3.90E+02	
WG	12	L3942	9/30/2002	I-131	8.00E-01	3.70E+00	1.30E+01	
WG	12	L3942	9/30/2002	Mn-54	1.30E+00	1.50E+00	5.30E+00	
WG	12	L3942	9/30/2002	Zn-65	3.40E+00	3.40E+00	1.20E+01	
WG	12	L3942	9/30/2002	Zr-95	1.20E+00	2.60E+00	9.60E+00	
WG	12	L4193	10/28/2002	Ba-140	-1.00E-01	2.00E+00	7.60E+00	
WG	12	L4193	10/28/2002	Co-58	-1.10E+00	1.10E+00	4.40E+00	
WG	12	L4193	10/28/2002	Co-60	-4.70E-01	9.70E-01	3.90E+00	
WG	12	L4193	10/28/2002	Cs-134	-3.00E-01	1.20E+00	4.60E+00	
WG	12	L4193	10/28/2002	Cs-137	-1.30E+00	1.30E+00	4.80E+00	
WG	12	L4193	10/28/2002	Fe-59	8.00E-01	2.40E+00	8.60E+00	
WG	12	L4193	10/28/2002	GR-B	8.60E+00	1.00E+00	2.50E+00	*
WG	12	L4193	10/28/2002	H-3	1.77E+02	9.30E+01	2.90E+02	
WG	12	L4193	10/28/2002	I-131	2.50E+00	2.40E+00	8.00E+00	
WG	12	L4193	10/28/2002	Mn-54	1.30E+00	1.10E+00	3.70E+00	
WG	12	L4193	10/28/2002	Zn-65	4.00E+00	4.60E+00	1.60E+01	
WG	12	L4193	10/28/2002	Zr-95	-8.00E-01	2.00E+00	7.60E+00	
WG	12	L4398	11/25/2002	Ba-140	2.00E-01	1.60E+00	6.10E+00	
WG	12	L4398	11/25/2002	Co-58	-1.31E+00	8.60E-01	3.50E+00	
WG	12	L4398	11/25/2002	Co-60	0.00E+00	9.40E-01	3.50E+00	
WG	12	L4398	11/25/2002	Cs-134	-1.20E+00	1.00E+00	4.10E+00	
WG	12	L4398	11/25/2002	Cs-137	-3.00E-01	1.10E+00	4.00E+00	
WG	12	L4398	11/25/2002	Fe-59	1.30E+00	1.90E+00	6.80E+00	
WG	12	L4398	11/25/2002	GR-B	6.90E+00	1.30E+00	3.30E+00	*
WG	12	L4398	11/25/2002	H-3	3.00E+01	1.20E+02	3.80E+02	
WG	12	L4398	11/25/2002	I-131	-1.30E+00	2.10E+00	7.50E+00	
WG	12	L4398	11/25/2002	Mn-54	-4.00E-01	9.40E-01	3.50E+00	
WG	12	L4398	11/25/2002	Zn-65	6.90E+00	5.00E+00	1.70E+01	
WG	12	L4398	11/25/2002	Zr-95	-7.00E-01	1.80E+00	6.80E+00	

* Radioactivity Detected in Sample (i.e., CONC. > 3*STD. DEV.)

MEDIA	STATION	LSN	END_DATE	NUCLIDE	CONC (pCi/kg)	STD DEV. (pCi/kg)	MDC (pCi/kg)	
				RIVER WATER				
WR	11	L2149	1/29/2002	Ba-140	-7.00E-01	3.20E+00	1.20E+01	
WR	11	L2149	1/29/2002	Co-58	1.10E+00	1.30E+00	4.70E+00	
WR	11	L2149	1/29/2002	Co-60	8.00E-01	1.50E+00	5.60E+00	
WR	11	L2149	1/29/2002	Cs-134	-2.00E-01	1.30E+00	4.80E+00	
WR	11	L2149	1/29/2002	Cs-137	2.60E+00	1.40E+00	4.40E+00	
WR	11	L2149	1/29/2002	Fe-59	5.40E+00	3.90E+00	1.30E+01	
WR	11	L2149	1/29/2002	GR-B	1.28E+00	5.10E-01	1.60E+00	
WR	11	L2149	1/29/2002	I-131	2.80E+00	3.80E+00	1.30E+01	
WR	11	L2149	1/29/2002	Mn-54	1.30E+00	1.20E+00	4.10E+00	
WR	11	L2149	1/29/2002	Zn-65	-2.00E+00	3.30E+00	1.30E+01	
WR	11	L2149	1/29/2002	Zr-95	1.90E+00	2.60E+00	9.10E+00	
WR	11	L2273	2/25/2002	Ba-140	3.10E+00	1.70E+00	5.30E+00	
WR	11	L2273	2/25/2002	Co-58	1.00E+00	1.10E+00	3.90E+00	
WR	11	L2273	2/25/2002	Co-60	-7.00E-01	1.50E+00	6.30E+00	
WR	11	L2273	2/25/2002	Cs-134	2.20E+00	1.50E+00	5.10E+00	
WR	11	L2273	2/25/2002	Cs-137	-1.20E+00	1.60E+00	6.10E+00	
WR	11	L2273	2/25/2002	Fe-59	-1.80E+00	3.80E+00	1.50E+01	
WR	11	L2273	2/25/2002	GR-B	2.21E+00	9.50E-01	3.00E+00	
WR	11	L2273	2/25/2002	I-131	0.00E+00	1.50E+00	5.50E+00	
WR	11	L2273	2/25/2002	Mn-54	-3.00E-01	1.50E+00	5.70E+00	
WR	11	L2273	2/25/2002	Zn-65	-1.90E+00	3.20E+00	1.30E+01	
WR	11	L2273	2/25/2002	Zr-95	1.20E+00	2.20E+00	7.90E+00	
WR	11	L2521	4/2/2002	Ba-140	2.00E-01	1.40E+00	5.20E+00	
WR	11	L2521	4/2/2002	Co-58	-1.15E+00	8.70E-01	3.60E+00	
WR	11	L2521	4/2/2002	Co-60	-1.00E-01	1.30E+00	4.90E+00	
WR	11	L2521	4/2/2002	Cs-134	1.00E-01	1.10E+00	4.10E+00	
WR	11	L2521	4/2/2002	Cs-137	-3.90E-01	8.90E-01	3.40E+00	
WR	11	L2521	4/2/2002	Fe-59	2.20E+00	3.40E+00	1.20E+01	
WR	11	L2521	4/2/2002	GR-B	1.87E+00	5.20E-01	1.60E+00	*
WR	11	L2880	4/2/2002	H-3	-6.00E+01	3.90E+02	1.20E+03	
WR	11	L2880	4/2/2002	H-3	-6.00E+01	3.90E+02	1.20E+03	
WR	11	L2521	4/2/2002	I-131	1.70E+00	1.40E+00	4.80E+00	
WR	11	L2521	4/2/2002	Mn-54	0.00E+00	1.10E+00	3.90E+00	
WR	11	L2521	4/2/2002	Zn-65	1.13E+01	4.40E+00	1.40E+01	
WR	11	L2521	4/2/2002	Zr-95	-2.30E+00	1.70E+00	6.80E+00	
WR	11	L2738	5/1/2002	Ba-140	1.50E+00	1.70E+00	6.00E+00	
WR	11	L2738	5/1/2002	Co-58	1.20E+00	1.10E+00	3.70E+00	
WR	11	L2738	5/1/2002	Co-60	-2.50E+00	1.10E+00	5.00E+00	
WR	11	L2738	5/1/2002	Cs-134	6.00E-01	1.00E+00	3.80E+00	
WR	11	L2738	5/1/2002	Cs-137	3.00E-01	1.00E+00	3.70E+00	
WR	11	L2738	5/1/2002	Fe-59	-2.10E+00	2.80E+00	1.10E+01	
WR	11	L2738	5/1/2002	GR-B	4.60E+00	1.10E+00	2.80E+00	*
WR	11	L2738	5/1/2002	I-131	-3.50E+00	2.20E+00	8.70E+00	
WR	11	L2738	5/1/2002	Mn-54	-6.70E-01	9.80E-01	3.90E+00	
WR	11	L2738	5/1/2002	Zn-65	-2.20E+00	2.60E+00	1.00E+01	
WR	11	L2738	5/1/2002	Zr-95	-2.10E+00	1.70E+00	7.20E+00	

* Radioactivity Detected in Sample (i.e., CONC. > 3*STD. DEV.)

MEDIA	STATION	LSN	END_DATE	NUCLIDE	CONC (pCi/kg)	STD DEV. (pCi/kg)	MDC (pCi/kg)	
				RIVER WATER				
WR	11	L2971	5/29/2002	Ba-140	8.00E-01	2.20E+00	8.20E+00	
WR	11	L2971	5/29/2002	Co-58	-2.20E+00	1.00E+00	4.30E+00	
WR	11	L2971	5/29/2002	Co-60	1.88E+00	9.60E-01	3.00E+00	
WR	11	L2971	5/29/2002	Cs-134	1.30E+00	1.10E+00	3.60E+00	
WR	11	L2971	5/29/2002	Cs-137	7.00E-01	1.00E+00	3.50E+00	
WR	11	L2971	5/29/2002	Fe-59	5.00E-01	2.20E+00	8.60E+00	
WR	11	L2971	5/29/2002	GR-B	2.00E+00	6.60E-01	2.00E+00	*
WR	11	L2971	5/29/2002	I-131	9.00E-01	2.90E+00	1.00E+01	
WR	11	L2971	5/29/2002	Mn-54	-1.00E+00	1.00E+00	3.90E+00	
WR	11	L2971	5/29/2002	Zn-65	1.80E+00	2.20E+00	7.70E+00	
WR	11	L2971	5/29/2002	Zr-95	-4.00E-01	1.50E+00	5.70E+00	
WR	11	L3237	7/2/2002	Ba-140	-4.80E+00	3.40E+00	1.50E+01	
WR	11	L3237	7/2/2002	Co-58	-1.00E-01	1.20E+00	4.80E+00	
WR	11	L3237	7/2/2002	Co-60	-3.80E+00	1.60E+00	7.60E+00	
WR	11	L3237	7/2/2002	Cs-134	1.70E+00	1.30E+00	4.50E+00	
WR	11	L3237	7/2/2002	Cs-137	-1.20E+00	1.60E+00	6.10E+00	
WR	11	L3237	7/2/2002	Fe-59	-4.40E+00	4.70E+00	2.00E+01	
WR	11	L3237	7/2/2002	GR-B	4.75E+00	9.30E-01	2.50E+00	*
WR	11	L3590	7/2/2002	H-3	5.30E+02	4.80E+02	1.40E+03	
WR	11	L3237	7/2/2002	I-131	-9.30E+00	4.50E+00	1.80E+01	
WR	11	L3237	7/2/2002	Mn-54	-5.00E-01	1.50E+00	5.70E+00	
WR	11	L3237	7/2/2002	Zn-65	-8.20E+00	3.40E+00	1.50E+01	
WR	11	L3237	7/2/2002	Zr-95	4.00E-01	2.30E+00	8.80E+00	
WR	11	L3408	7/29/2002	Ba-140	-6.90E-01	9.90E-01	4.00E+00	
WR	11	L3408	7/29/2002	Co-58	-3.30E-01	6.80E-01	2.70E+00	
WR	11	L3408	7/29/2002	Co-60	-3.00E-01	1.00E+00	3.90E+00	
WR	11	L3408	7/29/2002	Cs-134	-1.33E+00	9.10E-01	3.70E+00	
WR	11	L3408	7/29/2002	Cs-137	1.30E-01	8.70E-01	3.20E+00	
WR	11	L3408	7/29/2002	Fe-59	-2.10E+00	2.40E+00	9.50E+00	
WR	11	L3408	7/29/2002	GR-B	3.15E+00	8.10E-01	2.30E+00	*
WR	11	L3408	7/29/2002	I-131	-4.00E-01	1.10E+00	3.90E+00	
WR	11	L3408	7/29/2002	Mn-54	-2.20E-01	8.20E-01	3.10E+00	
WR	11	L3408	7/29/2002	Zn-65	-4.30E+00	2.20E+00	8.90E+00	
WR	11	L3408	7/29/2002	Zr-95	1.50E+00	1.40E+00	4.90E+00	
WR	11	L3657	8/26/2002	Ba-140	-1.00E-01	1.50E+00	5.60E+00	
WR	11	L3657	8/26/2002	Co-58	-2.90E+00	1.10E+00	4.60E+00	
WR	11	L3657	8/26/2002	Co-60	-2.30E+00	1.20E+00	5.10E+00	
WR	11	L3657	8/26/2002	Cs-134	-3.00E-01	1.20E+00	4.60E+00	
WR	11	L3657	8/26/2002	Cs-137	1.00E-01	1.10E+00	4.00E+00	
WR	11	L3657	8/26/2002	Fe-59	6.10E+00	2.70E+00	8.10E+00	
WR	11	L3657	8/26/2002	GR-B	3.30E+00	1.00E+00	2.90E+00	*
WR	11	L3657	8/26/2002	I-131	-3.20E+00	1.40E+00	5.50E+00	
WR	11	L3657	8/26/2002	Mn-54	-1.06E+00	8.60E-01	3.50E+00	
WR	11	L3657	8/26/2002	Zn-65	-5.50E+00	2.30E+00	1.00E+01	
WR	11	L3657	8/26/2002	Zr-95	5.00E-01	1.80E+00	6.50E+00	

* Radioactivity Detected in Sample (i.e., CONC. > 3*STD. DEV.)

MEDIA	STATION	LSN	END_DATE	NUCLIDE	CONC (pCi/kg)	STD DEV. (pCi/kg)	MDC (pCi/kg)	
				RIVER WATER				
WR	11	L3942	9/30/2002	Ba-140	1.50E+00	2.10E+00	7.60E+00	
WR	11	L3942	9/30/2002	Co-58	7.00E-01	1.20E+00	4.50E+00	
WR	11	L3942	9/30/2002	Co-60	1.30E+00	1.00E+00	3.60E+00	
WR	11	L3942	9/30/2002	Cs-134	-2.00E-01	1.30E+00	4.90E+00	
WR	11	L3942	9/30/2002	Cs-137	-2.90E+00	1.60E+00	6.50E+00	
WR	11	L3942	9/30/2002	Fe-59	4.70E+00	4.00E+00	1.40E+01	
WR	11	L3942	9/30/2002	GR-B	5.64E+00	8.90E-01	2.20E+00	*
WR	11	L4295	9/30/2002	H-3	3.60E+02	4.40E+02	1.30E+03	
WR	11	L3942	9/30/2002	I-131	3.20E+00	2.80E+00	9.40E+00	
WR	11	L3942	9/30/2002	Mn-54	-4.00E-01	1.30E+00	4.90E+00	
WR	11	L3942	9/30/2002	Zn-65	2.00E-01	6.50E+00	2.30E+01	
WR	11	L3942	9/30/2002	Zr-95	9.00E-01	2.20E+00	8.10E+00	
WR	11	L4193	10/28/2002	Ba-140	-4.00E-01	2.50E+00	9.50E+00	
WR	11	L4193	10/28/2002	Co-58	5.00E-01	1.20E+00	4.20E+00	
WR	11	L4193	10/28/2002	Co-60	1.50E+00	1.40E+00	4.80E+00	
WR	11	L4193	10/28/2002	Cs-134	1.70E+00	1.10E+00	3.60E+00	
WR	11	L4193	10/28/2002	Cs-137	-1.40E+00	1.40E+00	5.50E+00	
WR	11	L4193	10/28/2002	Fe-59	1.40E+00	3.00E+00	1.10E+01	
WR	11	L4193	10/28/2002	GR-B	2.60E+00	1.00E+00	3.10E+00	
WR	11	L4193	10/28/2002	I-131	2.20E+00	2.60E+00	9.00E+00	
WR	11	L4193	10/28/2002	Mn-54	-2.00E+00	1.30E+00	5.20E+00	
WR	11	L4193	10/28/2002	Zn-65	-2.90E+00	5.70E+00	2.00E+01	
WR	11	L4193	10/28/2002	Zr-95	7.00E-01	2.10E+00	7.70E+00	
WR	11	L4398	11/25/2002	Ba-140	0.00E+00	1.80E+00	6.90E+00	
WR	11	L4398	11/25/2002	Co-58	1.00E+00	1.00E+00	3.50E+00	
WR	11	L4398	11/25/2002	Co-60	-1.30E+00	9.70E-01	4.10E+00	
WR	11	L4398	11/25/2002	Cs-134	1.00E+00	1.10E+00	3.90E+00	
WR	11	L4398	11/25/2002	Cs-137	1.10E+00	1.00E+00	3.40E+00	
WR	11	L4398	11/25/2002	Fe-59	7.00E-01	2.40E+00	8.80E+00	
WR	11	L4398	11/25/2002	GR-B	2.09E+00	8.40E-01	2.60E+00	
WR	11	L4398	11/25/2002	I-131	8.00E-01	1.80E+00	6.40E+00	
WR	11	L4398	11/25/2002	Mn-54	8.00E-01	1.10E+00	4.00E+00	
WR	11	L4398	11/25/2002	Zn-65	-2.30E+00	2.40E+00	9.50E+00	
WR	11	L4398	11/25/2002	Zr-95	1.80E+00	1.80E+00	6.10E+00	

* Radioactivity Detected in Sample (i.e., CONC. > 3*STD. DEV.)

MEDIA	STATION	LSN	END_DATE	NUCLIDE	CONC (pCi/kg)	STD DEV. (pCi/kg)	MDC (pCi/kg)	
				RIVER WATER				
WR	21	L2025	1/2/2002	Ba-140	4.10E+00	2.60E+00	8.40E+00	
WR	21	L2025	1/2/2002	Co-58	-4.00E-01	1.20E+00	4.70E+00	
WR	21	L2025	1/2/2002	Co-60	-8.00E-01	1.20E+00	5.00E+00	
WR	21	L2025	1/2/2002	Cs-134	-1.10E+00	1.40E+00	5.60E+00	
WR	21	L2025	1/2/2002	Cs-137	2.40E+00	1.10E+00	3.50E+00	
WR	21	L2025	1/2/2002	Fe-59	1.50E+00	3.70E+00	1.40E+01	
WR	21	L2025	1/2/2002	GR-B	1.94E+00	3.00E-01	8.40E-01	*
WR	21	L2025	1/2/2002	I-131	-8.50E+00	3.50E+00	1.40E+01	
WR	21	L2025	1/2/2002	Mn-54	-1.30E+00	1.30E+00	5.20E+00	
WR	21	L2025	1/2/2002	Zn-65	-5.20E+00	2.60E+00	1.10E+01	
WR	21	L2025	1/2/2002	Zr-95	-1.10E+00	2.00E+00	8.00E+00	
WR	21	L2149	1/29/2002	Ba-140	-5.10E+00	3.60E+00	1.60E+01	
WR	21	L2149	1/29/2002	Co-58	3.00E-01	1.50E+00	5.80E+00	
WR	21	L2149	1/29/2002	Co-60	4.00E-01	1.60E+00	6.10E+00	
WR	21	L2149	1/29/2002	Cs-134	-1.30E+00	1.50E+00	6.10E+00	
WR	21	L2149	1/29/2002	Cs-137	4.00E-01	1.50E+00	5.50E+00	
WR	21	L2149	1/29/2002	Fe-59	-1.00E+00	4.50E+00	1.80E+01	
WR	21	L2149	1/29/2002	GR-B	2.10E+00	5.30E-01	1.60E+00	*
WR	21	L2149	1/29/2002	I-131	9.70E+00	4.10E+00	1.30E+01	
WR	21	L2149	1/29/2002	Mn-54	-2.10E+00	1.70E+00	6.80E+00	
WR	21	L2149	1/29/2002	Zn-65	-1.30E+00	2.80E+00	1.20E+01	
WR	21	L2149	1/29/2002	Zr-95	-1.10E+00	2.90E+00	1.10E+01	
WR	21	L2273	2/25/2002	Ba-140	1.50E+00	1.00E+00	3.40E+00	
WR	21	L2273	2/25/2002	Co-58	-2.12E+00	7.80E-01	3.40E+00	
WR	21	L2273	2/25/2002	Co-60	-1.61E+00	9.40E-01	4.10E+00	
WR	21	L2273	2/25/2002	Cs-134	-2.30E+00	1.00E+00	4.20E+00	
WR	21	L2273	2/25/2002	Cs-137	-8.90E-01	9.40E-01	3.60E+00	
WR	21	L2273	2/25/2002	Fe-59	2.60E+00	2.70E+00	9.50E+00	
WR	21	L2273	2/25/2002	GR-B	4.10E-01	8.30E-01	2.90E+00	
WR	21	L2880	2/25/2002	H-3	-1.50E+02	3.80E+02	1.20E+03	
WR	21	L2273	2/25/2002	I-131	4.00E-01	1.10E+00	3.70E+00	
WR	21	L2273	2/25/2002	Mn-54	8.00E-01	1.00E+00	3.50E+00	
WR	21	L2273	2/25/2002	Zn-65	-1.90E+00	2.00E+00	7.90E+00	
WR	21	L2273	2/25/2002	Zr-95	1.90E+00	1.60E+00	5.30E+00	
WR	21	L2521	4/2/2002	Ba-140	0.00E+00	1.20E+00	4.50E+00	
WR	21	L2521	4/2/2002	Co-58	1.15E+00	8.60E-01	2.90E+00	
WR	21	L2521	4/2/2002	Co-60	1.53E+00	9.40E-01	3.00E+00	
WR	21	L2521	4/2/2002	Cs-134	2.40E+00	1.10E+00	3.20E+00	
WR	21	L2521	4/2/2002	Cs-137	-6.00E-01	1.10E+00	4.20E+00	
WR	21	L2521	4/2/2002	Fe-59	-4.20E+00	2.10E+00	9.70E+00	
WR	21	L2521	4/2/2002	GR-B	1.72E+00	5.10E-01	1.60E+00	*
WR	21	L2880	4/2/2002	H-3	-1.50E+02	3.80E+02	1.20E+03	
WR	21	L2521	4/2/2002	I-131	4.00E-01	1.30E+00	4.40E+00	
WR	21	L2521	4/2/2002	Mn-54	5.70E-01	9.20E-01	3.30E+00	
WR	21	L2521	4/2/2002	Zn-65	1.10E+00	2.60E+00	9.10E+00	
WR	21	L2521	4/2/2002	Zr-95	-6.00E-01	1.40E+00	5.30E+00	

* Radioactivity Detected in Sample (i.e., CONC. > 3*STD. DEV.)

MEDIA	STATION	LSN	END_DATE	NUCLIDE	CONC (pCi/kg)	STD DEV. (pCi/kg)	MDC (pCi/kg)	
				RIVER WATER				
WR	21	L2738	5/1/2002	Ba-140	1.50E+00	1.70E+00	6.00E+00	
WR	21	L2738	5/1/2002	Co-58	1.14E+00	9.20E-01	3.10E+00	
WR	21	L2738	5/1/2002	Co-60	7.40E-01	8.60E-01	3.10E+00	
WR	21	L2738	5/1/2002	Cs-134	-6.10E-01	7.60E-01	3.20E+00	
WR	21	L2738	5/1/2002	Cs-137	-1.10E+00	9.80E-01	3.90E+00	
WR	21	L2738	5/1/2002	Fe-59	-1.70E+00	2.30E+00	9.70E+00	
WR	21	L2738	5/1/2002	GR-B	1.58E+00	8.90E-01	2.90E+00	
WR	21	L2738	5/1/2002	I-131	-1.20E+00	2.10E+00	7.70E+00	
WR	21	L2738	5/1/2002	Mn-54	-2.80E-01	8.50E-01	3.30E+00	
WR	21	L2738	5/1/2002	Zn-65	-1.60E+00	2.20E+00	8.70E+00	
WR	21	L2738	5/1/2002	Zr-95	-8.00E-01	1.90E+00	7.10E+00	
WR	21	L2971	5/29/2002	Ba-140	-1.30E+00	3.00E+00	1.20E+01	
WR	21	L2971	5/29/2002	Co-58	-6.00E-01	1.40E+00	5.40E+00	
WR	21	L2971	5/29/2002	Co-60	-6.00E-01	1.50E+00	5.70E+00	
WR	21	L2971	5/29/2002	Cs-134	0.00E+00	1.40E+00	5.10E+00	
WR	21	L2971	5/29/2002	Cs-137	-1.10E+00	1.40E+00	5.40E+00	
WR	21	L2971	5/29/2002	Fe-59	-3.10E+00	3.80E+00	1.60E+01	
WR	21	L2971	5/29/2002	GR-B	2.18E+00	7.10E-01	2.10E+00	*
WR	21	L2971	5/29/2002	I-131	7.00E-01	4.20E+00	1.50E+01	
WR	21	L2971	5/29/2002	Mn-54	1.30E+00	1.40E+00	4.90E+00	
WR	21	L2971	5/29/2002	Zn-65	-1.60E+00	3.20E+00	1.20E+01	
WR	21	L2971	5/29/2002	Zr-95	2.60E+00	2.40E+00	8.20E+00	
WR	21	L3237	7/1/2002	Ba-140	-9.00E-01	3.70E+00	1.50E+01	
WR	21	L3237	7/1/2002	Co-58	1.60E+00	1.50E+00	5.30E+00	
WR	21	L3237	7/1/2002	Co-60	4.00E-01	1.60E+00	6.20E+00	
WR	21	L3237	7/1/2002	Cs-134	-2.60E+00	1.40E+00	6.10E+00	
WR	21	L3237	7/1/2002	Cs-137	4.00E-01	1.20E+00	4.40E+00	
WR	21	L3237	7/1/2002	Fe-59	6.80E+00	3.80E+00	1.20E+01	
WR	21	L3237	7/1/2002	GR-B	3.10E+00	8.20E-01	2.30E+00	*
WR	21	L3590	7/1/2002	H-3	-4.80E+02	4.60E+02	1.40E+03	
WR	21	L3237	7/1/2002	I-131	1.70E+00	3.70E+00	1.30E+01	
WR	21	L3237	7/1/2002	Mn-54	-3.00E-01	1.50E+00	5.50E+00	
WR	21	L3237	7/1/2002	Zn-65	-2.50E+00	2.80E+00	1.20E+01	
WR	21	L3237	7/1/2002	Zr-95	-2.00E+00	2.20E+00	9.10E+00	
WR	21	L3408	7/29/2002	Ba-140	3.00E+00	1.40E+00	4.30E+00	
WR	21	L3408	7/29/2002	Co-58	-3.30E+00	1.10E+00	5.00E+00	
WR	21	L3408	7/29/2002	Co-60	-8.00E-01	1.30E+00	5.20E+00	
WR	21	L3408	7/29/2002	Cs-134	2.00E-01	1.20E+00	4.60E+00	
WR	21	L3408	7/29/2002	Cs-137	1.10E+00	1.30E+00	4.60E+00	
WR	21	L3408	7/29/2002	Fe-59	6.00E-01	2.80E+00	1.10E+01	
WR	21	L3408	7/29/2002	GR-B	3.90E+00	8.00E-01	2.20E+00	*
WR	21	L3408	7/29/2002	I-131	-3.50E+00	1.40E+00	5.60E+00	
WR	21	L3408	7/29/2002	Mn-54	3.00E-01	1.30E+00	4.60E+00	
WR	21	L3408	7/29/2002	Zn-65	-4.80E+00	2.60E+00	1.10E+01	
WR	21	L3408	7/29/2002	Zr-95	1.30E+00	2.00E+00	7.10E+00	

* Radioactivity Detected in Sample (i.e., CONC. > 3*STD. DEV.)

MEDIA	STATION	LSN	END_DATE	NUCLIDE	CONC (pCi/kg)	STD DEV. (pCi/kg)	MDC (pCi/kg)	
				RIVER WATER				
WR	21	L3657	8/26/2002	Ba-140	1.70E+00	1.20E+00	4.00E+00	
WR	21	L3657	8/26/2002	Co-58	-1.50E+00	1.00E+00	3.90E+00	
WR	21	L3657	8/26/2002	Co-60	-1.60E-01	8.20E-01	3.10E+00	
WR	21	L3657	8/26/2002	Cs-134	-2.40E-01	9.40E-01	3.50E+00	
WR	21	L3657	8/26/2002	Cs-137	9.40E-01	9.10E-01	3.10E+00	
WR	21	L3657	8/26/2002	Fe-59	-2.30E+00	2.10E+00	8.60E+00	
WR	21	L3657	8/26/2002	GR-B	3.33E+00	9.30E-01	2.60E+00	*
WR	21	L3657	8/26/2002	I-131	1.20E+00	1.30E+00	4.40E+00	
WR	21	L3657	8/26/2002	Mn-54	-3.20E-01	9.20E-01	3.40E+00	
WR	21	L3657	8/26/2002	Zn-65	6.80E+00	3.70E+00	1.20E+01	
WR	21	L3657	8/26/2002	Zr-95	2.00E+00	1.40E+00	4.60E+00	
WR	21	L3942	9/30/2002	Ba-140	1.60E+00	1.70E+00	5.90E+00	
WR	21	L3942	9/30/2002	Co-58	-7.00E-01	1.20E+00	4.40E+00	
WR	21	L3942	9/30/2002	Co-60	2.90E+00	1.00E+00	3.00E+00	
WR	21	L3942	9/30/2002	Cs-134	-3.00E-01	1.20E+00	4.20E+00	
WR	21	L3942	9/30/2002	Cs-137	-5.00E-01	1.30E+00	4.80E+00	
WR	21	L3942	9/30/2002	Fe-59	-3.00E-01	3.00E+00	1.10E+01	
WR	21	L3942	9/30/2002	GR-B	1.71E+00	8.80E-01	2.70E+00	
WR	21	L4295	9/30/2002	H-3	1.80E+02	4.20E+02	1.20E+03	
WR	21	L3942	9/30/2002	I-131	-2.00E+00	2.50E+00	8.90E+00	
WR	21	L3942	9/30/2002	Mn-54	-2.00E+00	1.10E+00	4.40E+00	
WR	21	L3942	9/30/2002	Zn-65	8.20E+00	5.70E+00	1.90E+01	
WR	21	L3942	9/30/2002	Zr-95	-1.50E+00	1.90E+00	7.00E+00	
WR	21	L4193	10/28/2002	Ba-140	8.00E-01	2.10E+00	7.70E+00	
WR	21	L4193	10/28/2002	Co-58	-4.40E-01	9.80E-01	3.80E+00	
WR	21	L4193	10/28/2002	Co-60	1.10E+00	1.30E+00	4.40E+00	
WR	21	L4193	10/28/2002	Cs-134	9.00E-01	1.20E+00	4.30E+00	
WR	21	L4193	10/28/2002	Cs-137	-2.40E+00	1.40E+00	5.50E+00	
WR	21	L4193	10/28/2002	Fe-59	8.00E-01	2.30E+00	8.40E+00	
WR	21	L4193	10/28/2002	GR-B	2.09E+00	8.80E-01	2.70E+00	
WR	21	L4193	10/28/2002	I-131	-3.30E+00	2.90E+00	1.10E+01	
WR	21	L4193	10/28/2002	Mn-54	2.00E+00	1.20E+00	4.00E+00	
WR	21	L4193	10/28/2002	Zn-65	1.04E+01	5.10E+00	1.60E+01	
WR	21	L4193	10/28/2002	Zr-95	0.00E+00	2.20E+00	8.20E+00	
WR	21	L4398	11/25/2002	Ba-140	4.00E-01	2.10E+00	7.70E+00	
WR	21	L4398	11/25/2002	Co-58	4.10E-01	9.50E-01	3.40E+00	
WR	21	L4398	11/25/2002	Co-60	0.00E+00	1.20E+00	4.50E+00	
WR	21	L4398	11/25/2002	Cs-134	1.40E+00	1.10E+00	3.70E+00	
WR	21	L4398	11/25/2002	Cs-137	-8.00E-01	1.10E+00	4.20E+00	
WR	21	L4398	11/25/2002	Fe-59	-1.80E+00	1.80E+00	7.40E+00	
WR	21	L4398	11/25/2002	GR-B	2.15E+00	8.90E-01	2.80E+00	
WR	21	L4398	11/25/2002	I-131	6.00E-01	1.90E+00	6.60E+00	
WR	21	L4398	11/25/2002	Mn-54	1.50E+00	1.10E+00	3.70E+00	
WR	21	L4398	11/25/2002	Zn-65	0.00E+00	2.40E+00	8.80E+00	
WR	21	L4398	11/25/2002	Zr-95	1.10E+00	1.80E+00	6.50E+00	

* Radioactivity Detected in Sample (i.e., CONC. > 3*STD. DEV.)

MEDIA	STATION	LSN	END_DATE	NUCLIDE	CONC (pCi/kg)	STD DEV. (pCi/kg)	MDC (pCi/kg)	
				RIVER WATER				
WR	31	L2025	1/2/2002	Ba-140	-1.50E+00	2.80E+00	1.20E+01	
WR	31	L2025	1/2/2002	Co-58	-2.20E+00	1.40E+00	5.90E+00	
WR	31	L2025	1/2/2002	Co-60	-1.60E+00	1.80E+00	7.30E+00	
WR	31	L2025	1/2/2002	Cs-134	2.40E+00	1.50E+00	4.80E+00	
WR	31	L2025	1/2/2002	Cs-137	-1.10E+00	1.40E+00	5.50E+00	
WR	31	L2025	1/2/2002	Fe-59	-9.00E-01	4.10E+00	1.60E+01	
WR	31	L2025	1/2/2002	GR-B	1.39E+00	2.70E-01	7.80E-01	*
WR	31	L2025	1/2/2002	I-131	7.70E+00	3.60E+00	1.10E+01	
WR	31	L2025	1/2/2002	Mn-54	5.00E-01	1.20E+00	4.40E+00	
WR	31	L2025	1/2/2002	Zn-65	-5.90E+00	3.00E+00	1.40E+01	
WR	31	L2025	1/2/2002	Zr-95	1.00E-01	2.60E+00	9.70E+00	
WR	31	L2149	1/29/2002	Ba-140	-1.70E+00	2.90E+00	1.20E+01	
WR	31	L2149	1/29/2002	Co-58	-1.70E+00	1.60E+00	6.50E+00	
WR	31	L2149	1/29/2002	Co-60	3.10E+00	1.80E+00	5.60E+00	
WR	31	L2149	1/29/2002	Cs-134	-1.40E+00	1.30E+00	5.60E+00	
WR	31	L2149	1/29/2002	Cs-137	-1.00E-01	1.50E+00	5.50E+00	
WR	31	L2149	1/29/2002	Fe-59	2.20E+00	4.50E+00	1.70E+01	
WR	31	L2149	1/29/2002	GR-B	1.64E+00	6.10E-01	1.90E+00	
WR	31	L2149	1/29/2002	I-131	-1.60E+00	4.30E+00	1.60E+01	
WR	31	L2149	1/29/2002	Mn-54	1.30E+00	1.50E+00	5.10E+00	
WR	31	L2149	1/29/2002	Zn-65	3.30E+00	3.00E+00	1.00E+01	
WR	31	L2149	1/29/2002	Zr-95	2.00E-01	2.20E+00	8.50E+00	
WR	31	L2273	2/25/2002	Ba-140	2.30E+00	1.60E+00	5.40E+00	
WR	31	L2273	2/25/2002	Co-58	2.00E-01	1.20E+00	4.30E+00	
WR	31	L2273	2/25/2002	Co-60	-3.00E-01	1.30E+00	5.00E+00	
WR	31	L2273	2/25/2002	Cs-134	-4.10E+00	1.40E+00	6.10E+00	
WR	31	L2273	2/25/2002	Cs-137	-1.10E+00	1.40E+00	5.30E+00	
WR	31	L2273	2/25/2002	Fe-59	1.30E+00	3.10E+00	1.20E+01	
WR	31	L2273	2/25/2002	GR-B	1.28E+00	8.70E-01	2.80E+00	
WR	31	L2880	2/25/2002	H-3	-2.50E+02	3.90E+02	1.20E+03	
WR	31	L2273	2/25/2002	I-131	-1.10E+00	1.50E+00	5.40E+00	
WR	31	L2273	2/25/2002	Mn-54	-4.00E+00	1.40E+00	6.00E+00	
WR	31	L2273	2/25/2002	Zn-65	-5.80E+00	2.80E+00	1.20E+01	
WR	31	L2273	2/25/2002	Zr-95	3.00E-01	2.00E+00	7.50E+00	
WR	31	L2521	4/2/2002	Ba-140	-2.00E-01	1.10E+00	4.20E+00	
WR	31	L2521	4/2/2002	Co-58	-9.60E-01	7.80E-01	3.20E+00	
WR	31	L2521	4/2/2002	Co-60	5.40E-01	9.20E-01	3.40E+00	
WR	31	L2521	4/2/2002	Cs-134	1.07E+00	8.80E-01	3.00E+00	
WR	31	L2521	4/2/2002	Cs-137	-9.00E-01	1.10E+00	4.00E+00	
WR	31	L2521	4/2/2002	Fe-59	3.00E-01	2.20E+00	8.30E+00	
WR	31	L2521	4/2/2002	GR-B	2.49E+00	4.50E-01	1.30E+00	*
WR	31	L2880	4/2/2002	H-3	-2.50E+02	3.90E+02	1.20E+03	
WR	31	L2521	4/2/2002	I-131	-1.60E+00	1.20E+00	4.40E+00	
WR	31	L2521	4/2/2002	Mn-54	-9.70E-01	7.50E-01	3.10E+00	
WR	31	L2521	4/2/2002	Zn-65	-7.00E-01	1.70E+00	6.60E+00	
WR	31	L2521	4/2/2002	Zr-95	-2.50E+00	1.50E+00	6.30E+00	

* Radioactivity Detected in Sample (i.e., CONC. > 3*STD. DEV.)

MEDIA	STATION	LSN	END_DATE	NUCLIDE	CONC (pCi/kg)	STD DEV. (pCi/kg)	MDC (pCi/kg)	
				RIVER WATER				
WR	31	L2738	5/1/2002	Ba-140	1.00E-01	2.70E+00	1.00E+01	
WR	31	L2738	5/1/2002	Co-58	0.00E+00	1.40E+00	5.40E+00	
WR	31	L2738	5/1/2002	Co-60	3.00E-01	1.50E+00	5.80E+00	
WR	31	L2738	5/1/2002	Cs-134	3.00E-01	1.40E+00	5.20E+00	
WR	31	L2738	5/1/2002	Cs-137	-4.00E-01	1.20E+00	4.80E+00	
WR	31	L2738	5/1/2002	Fe-59	-3.30E+00	3.70E+00	1.60E+01	
WR	31	L2738	5/1/2002	GR-B	1.55E+00	8.60E-01	2.80E+00	
WR	31	L2738	5/1/2002	I-131	-3.10E+00	3.90E+00	1.40E+01	
WR	31	L2738	5/1/2002	Mn-54	5.00E-01	1.30E+00	4.60E+00	
WR	31	L2738	5/1/2002	Zn-65	-2.50E+00	3.30E+00	1.30E+01	
WR	31	L2738	5/1/2002	Zr-95	4.00E-01	2.80E+00	1.00E+01	
WR	31	L2971	5/29/2002	Ba-140	8.00E-01	3.30E+00	1.30E+01	
WR	31	L2971	5/29/2002	Co-58	-3.40E+00	1.20E+00	5.90E+00	
WR	31	L2971	5/29/2002	Co-60	1.20E+00	1.70E+00	6.10E+00	
WR	31	L2971	5/29/2002	Cs-134	4.00E-01	1.20E+00	4.70E+00	
WR	31	L2971	5/29/2002	Cs-137	-3.60E+00	1.50E+00	6.60E+00	
WR	31	L2971	5/29/2002	Fe-59	3.80E+00	3.40E+00	1.20E+01	
WR	31	L2971	5/29/2002	GR-B	8.00E-01	6.10E-01	2.00E+00	
WR	31	L2971	5/29/2002	I-131	7.50E+00	4.00E+00	1.30E+01	
WR	31	L2971	5/29/2002	Mn-54	-1.10E+00	1.50E+00	6.10E+00	
WR	31	L2971	5/29/2002	Zn-65	-3.30E+00	3.30E+00	1.40E+01	
WR	31	L2971	5/29/2002	Zr-95	4.00E-01	1.70E+00	6.90E+00	
WR	31	L3237	7/1/2002	Ba-140	-7.80E+00	4.20E+00	1.90E+01	
WR	31	L3237	7/1/2002	Co-58	-3.50E+00	1.30E+00	6.10E+00	
WR	31	L3237	7/1/2002	Co-60	-1.50E+00	1.40E+00	6.20E+00	
WR	31	L3237	7/1/2002	Cs-134	1.20E+00	1.30E+00	4.70E+00	
WR	31	L3237	7/1/2002	Cs-137	8.00E-01	1.30E+00	4.60E+00	
WR	31	L3237	7/1/2002	Fe-59	3.70E+00	5.70E+00	2.00E+01	
WR	31	L3237	7/1/2002	GR-B	2.35E+00	8.50E-01	2.50E+00	
WR	31	L3590	7/1/2002	H-3	3.20E+02	4.80E+02	1.40E+03	
WR	31	L3237	7/1/2002	I-131	-1.70E+00	4.90E+00	1.80E+01	
WR	31	L3237	7/1/2002	Mn-54	2.30E+00	1.40E+00	4.60E+00	
WR	31	L3237	7/1/2002	Zn-65	-3.20E+00	3.10E+00	1.30E+01	
WR	31	L3237	7/1/2002	Zr-95	2.00E-01	2.10E+00	8.10E+00	
WR	31	L3408	7/29/2002	Ba-140	4.00E-01	1.50E+00	6.00E+00	
WR	31	L3408	7/29/2002	Co-58	-4.00E-01	1.30E+00	5.10E+00	
WR	31	L3408	7/29/2002	Co-60	4.00E-01	1.40E+00	5.50E+00	
WR	31	L3408	7/29/2002	Cs-134	1.80E+00	1.50E+00	5.00E+00	
WR	31	L3408	7/29/2002	Cs-137	1.20E+00	1.40E+00	4.80E+00	
WR	31	L3408	7/29/2002	Fe-59	5.10E+00	4.00E+00	1.40E+01	
WR	31	L3408	7/29/2002	GR-B	3.50E+00	1.00E+00	2.90E+00	*
WR	31	L3408	7/29/2002	I-131	4.00E-01	1.50E+00	5.30E+00	
WR	31	L3408	7/29/2002	Mn-54	2.00E-01	1.30E+00	5.00E+00	
WR	31	L3408	7/29/2002	Zn-65	-1.80E+00	2.20E+00	9.80E+00	
WR	31	L3408	7/29/2002	Zr-95	-8.00E-01	2.10E+00	8.20E+00	

* Radioactivity Detected in Sample (i.e., CONC. > 3*STD. DEV.)

MEDIA	STATION	LSN	END_DATE	NUCLIDE	CONC (pCi/kg)	STD DEV. (pCi/kg)	MDC (pCi/kg)
				RIVER WATER			
WR	31	L3657	8/26/2002	Ba-140	-7.00E-01	1.50E+00	6.00E+00
WR	31	L3657	8/26/2002	Co-58	2.30E+00	1.00E+00	3.20E+00
WR	31	L3657	8/26/2002	Co-60	-9.00E-01	1.00E+00	4.20E+00
WR	31	L3657	8/26/2002	Cs-134	5.00E-02	9.90E-01	3.70E+00
WR	31	L3657	8/26/2002	Cs-137	6.00E-01	1.20E+00	4.20E+00
WR	31	L3657	8/26/2002	Fe-59	5.00E-01	3.10E+00	1.20E+01
WR	31	L3657	8/26/2002	GR-B	1.90E+00	1.00E+00	3.10E+00
WR	31	L3657	8/26/2002	I-131	2.00E-01	1.50E+00	5.20E+00
WR	31	L3657	8/26/2002	Mn-54	-5.00E-01	1.20E+00	4.30E+00
WR	31	L3657	8/26/2002	Zn-65	-3.30E+00	2.50E+00	9.90E+00
WR	31	L3657	8/26/2002	Zr-95	0.00E+00	1.80E+00	6.70E+00
WR	31	L3942	9/30/2002	Ba-140	3.90E+00	1.50E+00	4.40E+00
WR	31	L3942	9/30/2002	Co-58	-7.00E-01	1.10E+00	3.90E+00
WR	31	L3942	9/30/2002	Co-60	-4.00E-01	1.00E+00	3.80E+00
WR	31	L3942	9/30/2002	Cs-134	-8.00E-02	9.40E-01	3.40E+00
WR	31	L3942	9/30/2002	Cs-137	-8.00E-01	1.80E+00	6.10E+00
WR	31	L3942	9/30/2002	Fe-59	2.10E+00	2.80E+00	9.80E+00
WR	31	L3942	9/30/2002	GR-B	1.58E+00	8.20E-01	2.60E+00
WR	31	L4295	9/30/2002	H-3	5.00E+01	4.10E+02	1.20E+03
WR	31	L3942	9/30/2002	I-131	3.00E+00	2.20E+00	7.30E+00
WR	31	L3942	9/30/2002	Mn-54	-1.88E+00	8.70E-01	3.50E+00
WR	31	L3942	9/30/2002	Zn-65	1.31E+01	5.00E+00	1.60E+01
WR	31	L3942	9/30/2002	Zr-95	2.40E+00	1.90E+00	6.20E+00
WR	31	L4193	10/28/2002	Ba-140	-7.00E-01	1.50E+00	6.10E+00
WR	31	L4193	10/28/2002	Co-58	-2.28E+00	9.90E-01	4.10E+00
WR	31	L4193	10/28/2002	Co-60	-9.00E-01	1.10E+00	4.30E+00
WR	31	L4193	10/28/2002	Cs-134	9.00E-01	1.20E+00	4.20E+00
WR	31	L4193	10/28/2002	Cs-137	-1.60E+00	1.20E+00	4.50E+00
WR	31	L4193	10/28/2002	Fe-59	-1.40E+00	2.20E+00	8.50E+00
WR	31	L4193	10/28/2002	GR-B	1.60E+00	9.00E-01	2.80E+00
WR	31	L4193	10/28/2002	I-131	6.00E-01	2.00E+00	6.90E+00
WR	31	L4193	10/28/2002	Mn-54	-4.00E-01	1.20E+00	4.40E+00
WR	31	L4193	10/28/2002	Zn-65	-3.00E+00	2.30E+00	9.10E+00
WR	31	L4193	10/28/2002	Zr-95	-1.00E+00	1.70E+00	6.60E+00
WR	31	L4398	11/25/2002	Ba-140	1.60E+00	1.60E+00	5.60E+00
WR	31	L4398	11/25/2002	Co-58	-9.20E-01	8.50E-01	3.50E+00
WR	31	L4398	11/25/2002	Co-60	-6.50E-01	9.40E-01	3.80E+00
WR	31	L4398	11/25/2002	Cs-134	1.15E+00	9.60E-01	3.20E+00
WR	31	L4398	11/25/2002	Cs-137	6.60E-01	9.00E-01	3.20E+00
WR	31	L4398	11/25/2002	Fe-59	1.70E+00	2.00E+00	6.90E+00
WR	31	L4398	11/25/2002	GR-B	1.38E+00	8.70E-01	2.90E+00
WR	31	L4398	11/25/2002	I-131	-4.00E-01	1.90E+00	6.80E+00
WR	31	L4398	11/25/2002	Mn-54	1.59E+00	9.50E-01	3.10E+00
WR	31	L4398	11/25/2002	Zn-65	-4.20E+00	2.00E+00	8.50E+00
WR	31	L4398	11/25/2002	Zr-95	-1.00E-01	1.60E+00	5.90E+00

* Radioactivity Detected in Sample (i.e., CONC. > 3*STD. DEV.)

MEDIA	STATION	LSN	END_DATE	NUCLIDE	CONC (pCi/kg)	STD DEV. (pCi/kg)	MDC (pCi/kg)	
				STORM DRAIN WATER				
WW	51	L2025	1/2/2002	Ba-140	2.60E+00	1.90E+00	6.50E+00	
WW	51	L2025	1/2/2002	Co-58	-9.00E-01	1.20E+00	4.40E+00	
WW	51	L2025	1/2/2002	Co-60	5.90E-01	8.90E-01	3.20E+00	
WW	51	L2025	1/2/2002	Cs-134	5.00E-01	1.10E+00	3.90E+00	
WW	51	L2025	1/2/2002	Cs-137	1.00E-01	1.10E+00	4.00E+00	
WW	51	L2025	1/2/2002	Fe-59	1.00E-01	2.30E+00	9.10E+00	
WW	51	L2025	1/2/2002	GR-B	1.03E+01	9.80E-01	2.30E+00	*
WW	51	L2025	1/2/2002	H-3	5.00E+02	4.30E+02	1.40E+03	
WW	51	L2025	1/2/2002	I-131	-2.50E+00	2.70E+00	1.00E+01	
WW	51	L2025	1/2/2002	Mn-54	4.00E-01	1.00E+00	3.70E+00	
WW	51	L2025	1/2/2002	Zn-65	-8.60E+00	2.60E+00	1.10E+01	
WW	51	L2025	1/2/2002	Zr-95	1.40E+00	1.60E+00	5.60E+00	
WW	51	L2149	1/29/2002	Ba-140	8.00E-01	3.00E+00	1.20E+01	
WW	51	L2149	1/29/2002	Co-58	-1.40E+00	1.30E+00	5.60E+00	
WW	51	L2149	1/29/2002	Co-60	-7.00E-01	1.50E+00	6.10E+00	
WW	51	L2149	1/29/2002	Cs-134	5.00E-01	1.40E+00	5.20E+00	
WW	51	L2149	1/29/2002	Cs-137	3.10E+00	1.50E+00	4.80E+00	
WW	51	L2149	1/29/2002	Fe-59	2.90E+00	2.90E+00	1.00E+01	
WW	51	L2149	1/29/2002	GR-B	2.98E+00	7.50E-01	2.30E+00	*
WW	51	L2149	1/29/2002	H-3	-1.30E+02	3.90E+02	1.20E+03	
WW	51	L2149	1/29/2002	I-131	1.10E+00	4.10E+00	1.50E+01	
WW	51	L2149	1/29/2002	Mn-54	-1.80E+00	1.50E+00	6.20E+00	
WW	51	L2149	1/29/2002	Zn-65	5.30E+00	2.70E+00	8.00E+00	
WW	51	L2149	1/29/2002	Zr-95	-3.80E+00	2.40E+00	1.00E+01	
WW	51	L2273	2/25/2002	Ba-140	4.30E+00	2.70E+00	8.60E+00	
WW	51	L2273	2/25/2002	Co-58	-1.50E+00	1.00E+00	4.70E+00	
WW	51	L2273	2/25/2002	Co-60	-3.50E+00	2.20E+00	9.10E+00	
WW	51	L2273	2/25/2002	Cs-134	1.70E+00	1.50E+00	5.30E+00	
WW	51	L2273	2/25/2002	Cs-137	4.00E-01	1.20E+00	4.30E+00	
WW	51	L2273	2/25/2002	Fe-59	-1.00E+00	4.10E+00	1.60E+01	
WW	51	L2273	2/25/2002	GR-B	8.46E+00	8.90E-01	2.20E+00	*
WW	51	L2273	2/25/2002	H-3	-2.90E+02	4.40E+02	1.40E+03	
WW	51	L2273	2/25/2002	I-131	1.30E+00	2.30E+00	8.20E+00	
WW	51	L2273	2/25/2002	Mn-54	-3.10E+00	1.50E+00	6.40E+00	
WW	51	L2273	2/25/2002	Zn-65	-2.60E+00	2.80E+00	1.20E+01	
WW	51	L2273	2/25/2002	Zr-95	-3.60E+00	2.20E+00	9.60E+00	
WW	51	L2521	4/2/2002	Ba-140	5.00E-01	2.50E+00	9.40E+00	
WW	51	L2521	4/2/2002	Co-58	3.00E-01	1.40E+00	5.30E+00	
WW	51	L2521	4/2/2002	Co-60	0.00E+00	1.70E+00	6.70E+00	
WW	51	L2521	4/2/2002	Cs-134	8.00E-01	1.50E+00	5.40E+00	
WW	51	L2521	4/2/2002	Cs-137	1.50E+00	1.40E+00	4.90E+00	
WW	51	L2521	4/2/2002	Fe-59	3.10E+00	3.60E+00	1.30E+01	
WW	51	L2521	4/2/2002	GR-B	1.66E+01	9.60E-01	1.90E+00	*
WW	51	L2521	4/2/2002	H-3	9.60E+02	3.50E+02	1.00E+03	
WW	51	L2521	4/2/2002	I-131	5.00E-01	2.30E+00	8.10E+00	
WW	51	L2521	4/2/2002	Mn-54	0.00E+00	1.50E+00	5.80E+00	
WW	51	L2521	4/2/2002	Zn-65	6.90E+00	6.20E+00	2.10E+01	
WW	51	L2521	4/2/2002	Zr-95	-1.90E+00	2.00E+00	8.60E+00	

* Radioactivity Detected in Sample (i.e., CONC. > 3*STD. DEV.)

MEDIA	STATION	LSN	END_DATE	NUCLIDE	CONC (pCi/kg)	STD DEV. (pCi/kg)	MDC (pCi/kg)	
				STORM DRAIN WATER				
WW	51	L2738	5/1/2002	Ba-140	-1.20E+00	2.10E+00	8.40E+00	
WW	51	L2738	5/1/2002	Co-58	-2.00E+00	1.20E+00	5.00E+00	
WW	51	L2738	5/1/2002	Co-60	8.40E-01	9.70E-01	3.40E+00	
WW	51	L2738	5/1/2002	Cs-134	1.90E+00	1.10E+00	3.40E+00	
WW	51	L2738	5/1/2002	Cs-137	-9.00E-01	1.10E+00	4.30E+00	
WW	51	L2738	5/1/2002	Fe-59	-1.40E+00	2.80E+00	1.10E+01	
WW	51	L2738	5/1/2002	GR-B	7.90E+00	1.40E+00	3.40E+00	*
WW	51	L2738	5/1/2002	H-3	4.00E+01	3.00E+02	9.70E+02	
WW	51	L2738	5/1/2002	I-131	-2.70E+00	2.70E+00	1.00E+01	
WW	51	L2738	5/1/2002	Mn-54	-2.00E-01	1.00E+00	3.80E+00	
WW	51	L2738	5/1/2002	Zn-65	-1.00E+00	2.00E+00	8.00E+00	
WW	51	L2738	5/1/2002	Zr-95	-8.00E-01	1.80E+00	7.00E+00	
WW	51	L2971	5/29/2002	Ba-140	-1.70E+00	2.60E+00	1.00E+01	
WW	51	L2971	5/29/2002	Co-58	0.00E+00	1.00E+00	3.70E+00	
WW	51	L2971	5/29/2002	Co-60	-8.00E-01	1.00E+00	4.20E+00	
WW	51	L2971	5/29/2002	Cs-134	-3.00E-01	1.20E+00	4.40E+00	
WW	51	L2971	5/29/2002	Cs-137	-2.50E+00	1.00E+00	4.30E+00	
WW	51	L2971	5/29/2002	Fe-59	2.20E+00	2.60E+00	9.40E+00	
WW	51	L2971	5/29/2002	GR-B	4.61E+00	8.40E-01	2.30E+00	*
WW	51	L2971	5/29/2002	H-3	4.10E+02	3.90E+02	1.10E+03	
WW	51	L2971	5/29/2002	I-131	6.00E-01	3.20E+00	1.10E+01	
WW	51	L2971	5/29/2002	Mn-54	7.00E-01	1.10E+00	3.70E+00	
WW	51	L2971	5/29/2002	Zn-65	4.60E+00	4.20E+00	1.40E+01	
WW	51	L2971	5/29/2002	Zr-95	-2.30E+00	1.90E+00	7.50E+00	
WW	51	L3237	7/1/2002	Ba-140	-1.40E+00	2.40E+00	9.50E+00	
WW	51	L3237	7/1/2002	Co-58	-3.00E-01	1.10E+00	4.10E+00	
WW	51	L3237	7/1/2002	Co-60	-1.08E+00	9.20E-01	3.90E+00	
WW	51	L3237	7/1/2002	Cs-134	5.00E-01	1.10E+00	3.80E+00	
WW	51	L3237	7/1/2002	Cs-137	-4.00E-01	1.10E+00	4.00E+00	
WW	51	L3237	7/1/2002	Fe-59	-2.00E-01	2.90E+00	1.10E+01	
WW	51	L3237	7/1/2002	GR-B	8.90E+00	1.30E+00	3.20E+00	*
WW	51	L3237	7/1/2002	H-3	-3.80E+01	8.90E+01	2.80E+02	
WW	51	L3237	7/1/2002	I-131	3.80E+00	3.20E+00	1.10E+01	
WW	51	L3237	7/1/2002	Mn-54	-3.00E-01	1.10E+00	4.10E+00	
WW	51	L3237	7/1/2002	Zn-65	-1.50E+00	2.20E+00	8.60E+00	
WW	51	L3237	7/1/2002	Zr-95	6.00E-01	1.90E+00	6.70E+00	
WW	51	L3408	7/29/2002	Ba-140	-1.70E+00	1.70E+00	7.40E+00	
WW	51	L3408	7/29/2002	Co-58	-1.70E+00	1.00E+00	4.60E+00	
WW	51	L3408	7/29/2002	Co-60	1.00E-01	1.20E+00	5.00E+00	
WW	51	L3408	7/29/2002	Cs-134	-8.00E-01	1.40E+00	5.60E+00	
WW	51	L3408	7/29/2002	Cs-137	1.10E+00	1.20E+00	4.30E+00	
WW	51	L3408	7/29/2002	Fe-59	2.40E+00	4.10E+00	1.50E+01	
WW	51	L3408	7/29/2002	GR-B	5.40E+00	1.10E+00	2.80E+00	*
WW	51	L3408	7/29/2002	H-3	9.00E+01	4.00E+02	1.20E+03	
WW	51	L3408	7/29/2002	I-131	7.00E-01	1.40E+00	5.10E+00	
WW	51	L3408	7/29/2002	Mn-54	1.70E+00	1.40E+00	4.60E+00	
WW	51	L3408	7/29/2002	Zn-65	-3.00E+00	2.70E+00	1.10E+01	
WW	51	L3408	7/29/2002	Zr-95	1.40E+00	2.00E+00	7.20E+00	

* Radioactivity Detected in Sample (i.e., CONC. > 3*STD. DEV.)

MEDIA	STATION	LSN	END_DATE	NUCLIDE	CONC (pCi/kg)	STD DEV. (pCi/kg)	MDC (pCi/kg)	
				STORM DRAIN WATER				
WW	51	L3657	8/26/2002	Ba-140	-1.70E+00	1.40E+00	5.80E+00	
WW	51	L3657	8/26/2002	Co-58	-1.37E+00	8.60E-01	3.40E+00	
WW	51	L3657	8/26/2002	Co-60	2.58E+00	9.70E-01	2.90E+00	
WW	51	L3657	8/26/2002	Cs-134	1.10E+00	1.00E+00	3.50E+00	
WW	51	L3657	8/26/2002	Cs-137	-1.16E+00	9.50E-01	3.60E+00	
WW	51	L3657	8/26/2002	Fe-59	-1.70E+00	2.00E+00	7.60E+00	
WW	51	L3657	8/26/2002	GR-B	7.30E+00	1.40E+00	3.50E+00	*
WW	51	L3657	8/26/2002	H-3	-7.20E+02	4.20E+02	1.30E+03	
WW	51	L3657	8/26/2002	I-131	8.00E-01	2.00E+00	6.80E+00	
WW	51	L3657	8/26/2002	Mn-54	0.00E+00	8.80E-01	3.20E+00	
WW	51	L3657	8/26/2002	Zn-65	1.70E+00	4.40E+00	1.50E+01	
WW	51	L3657	8/26/2002	Zr-95	-3.00E-01	1.50E+00	5.40E+00	
WW	51	L3942	9/30/2002	Ba-140	-3.20E+00	2.00E+00	9.00E+00	
WW	51	L3942	9/30/2002	Co-58	4.00E-01	1.10E+00	4.00E+00	
WW	51	L3942	9/30/2002	Co-60	7.00E-01	1.40E+00	5.00E+00	
WW	51	L3942	9/30/2002	Cs-134	1.30E+00	1.20E+00	4.10E+00	
WW	51	L3942	9/30/2002	Cs-137	-1.00E-01	1.30E+00	4.80E+00	
WW	51	L3942	9/30/2002	Fe-59	-2.40E+00	3.40E+00	1.40E+01	
WW	51	L3942	9/30/2002	GR-B	6.70E+00	1.20E+00	3.10E+00	*
WW	51	L3942	9/30/2002	H-3	1.60E+02	5.30E+02	1.60E+03	
WW	51	L3942	9/30/2002	I-131	1.20E+00	2.00E+00	7.20E+00	
WW	51	L3942	9/30/2002	Mn-54	2.00E-01	1.00E+00	3.80E+00	
WW	51	L3942	9/30/2002	Zn-65	-5.00E-01	3.00E+00	1.20E+01	
WW	51	L3942	9/30/2002	Zr-95	-3.00E-01	2.10E+00	7.90E+00	
WW	51	L4193	10/28/2002	Ba-140	-2.70E+00	1.40E+00	6.30E+00	
WW	51	L4193	10/28/2002	Co-58	2.70E-01	8.80E-01	3.20E+00	
WW	51	L4193	10/28/2002	Co-60	4.80E-01	7.40E-01	2.70E+00	
WW	51	L4193	10/28/2002	Cs-134	4.20E-01	7.60E-01	2.80E+00	
WW	51	L4193	10/28/2002	Cs-137	-1.23E+00	9.90E-01	3.90E+00	
WW	51	L4193	10/28/2002	Fe-59	-6.00E-01	1.80E+00	7.10E+00	
WW	51	L4193	10/28/2002	GR-B	8.90E+00	1.50E+00	3.60E+00	*
WW	51	L4193	10/28/2002	H-3	4.50E+02	2.90E+02	8.90E+02	
WW	51	L4193	10/28/2002	I-131	0.00E+00	1.80E+00	6.60E+00	
WW	51	L4193	10/28/2002	Mn-54	3.00E-02	7.10E-01	2.70E+00	
WW	51	L4193	10/28/2002	Zn-65	-1.30E+00	2.40E+00	8.90E+00	
WW	51	L4193	10/28/2002	Zr-95	-1.00E-01	1.50E+00	5.40E+00	
WW	51	L4398	11/25/2002	Ba-140	-5.00E-01	2.20E+00	8.60E+00	
WW	51	L4398	11/25/2002	Co-58	-4.00E-01	1.30E+00	5.00E+00	
WW	51	L4398	11/25/2002	Co-60	-8.00E-01	1.30E+00	5.20E+00	
WW	51	L4398	11/25/2002	Cs-134	-8.00E-01	1.40E+00	5.40E+00	
WW	51	L4398	11/25/2002	Cs-137	-3.20E+00	1.60E+00	6.20E+00	
WW	51	L4398	11/25/2002	Fe-59	-4.10E+00	2.60E+00	1.10E+01	
WW	51	L4398	11/25/2002	GR-B	8.40E+00	1.40E+00	3.40E+00	*
WW	51	L4398	11/25/2002	H-3	2.80E+02	4.60E+02	1.30E+03	
WW	51	L4398	11/25/2002	I-131	-3.90E+00	2.60E+00	9.80E+00	
WW	51	L4398	11/25/2002	Mn-54	-3.50E+00	1.50E+00	6.20E+00	
WW	51	L4398	11/25/2002	Zn-65	-3.00E-01	5.20E+00	1.90E+01	
WW	51	L4398	11/25/2002	Zr-95	-3.00E-01	2.40E+00	8.90E+00	

* Radioactivity Detected in Sample (i.e., CONC. > 3*STD. DEV.)

MEDIA	STATION	LSN	END_DATE	NUCLIDE	CONC (pCi/kg)	STD DEV. (pCi/kg)	MDC (pCi/kg)	
				STORM DRAIN WATER				
WW	52	L2025	1/2/2002	Ba-140	-1.10E+00	1.40E+00	5.90E+00	
WW	52	L2025	1/2/2002	Co-58	6.90E-01	9.30E-01	3.30E+00	
WW	52	L2025	1/2/2002	Co-60	8.70E-01	9.80E-01	3.40E+00	
WW	52	L2025	1/2/2002	Cs-134	6.80E-01	9.20E-01	3.20E+00	
WW	52	L2025	1/2/2002	Cs-137	1.00E-01	1.00E+00	3.80E+00	
WW	52	L2025	1/2/2002	Fe-59	4.70E+00	2.20E+00	6.40E+00	
WW	52	L2025	1/2/2002	GR-B	7.97E+00	8.30E-01	2.00E+00	*
WW	52	L2025	1/2/2002	H-3	-2.80E+02	4.50E+02	1.40E+03	
WW	52	L2025	1/2/2002	I-131	-3.40E+00	2.50E+00	9.50E+00	
WW	52	L2025	1/2/2002	Mn-54	7.20E-01	8.10E-01	2.80E+00	
WW	52	L2025	1/2/2002	Zn-65	-7.00E-01	2.20E+00	8.30E+00	
WW	52	L2025	1/2/2002	Zr-95	0.00E+00	1.70E+00	6.10E+00	
WW	52	L2149	1/29/2002	Ba-140	-1.00E-01	3.10E+00	1.20E+01	
WW	52	L2149	1/29/2002	Co-58	9.00E-01	1.20E+00	4.20E+00	
WW	52	L2149	1/29/2002	Co-60	3.00E-01	1.40E+00	5.40E+00	
WW	52	L2149	1/29/2002	Cs-134	2.00E-01	1.20E+00	4.60E+00	
WW	52	L2149	1/29/2002	Cs-137	3.00E+00	1.50E+00	4.90E+00	
WW	52	L2149	1/29/2002	Fe-59	-8.50E+00	3.40E+00	1.60E+01	
WW	52	L2149	1/29/2002	GR-B	4.45E+00	7.70E-01	2.10E+00	*
WW	52	L2149	1/29/2002	H-3	3.50E+02	3.90E+02	1.20E+03	
WW	52	L2149	1/29/2002	I-131	-3.00E-01	4.10E+00	1.50E+01	
WW	52	L2149	1/29/2002	Mn-54	6.00E-01	1.50E+00	5.40E+00	
WW	52	L2149	1/29/2002	Zn-65	-2.30E+00	3.00E+00	1.20E+01	
WW	52	L2149	1/29/2002	Zr-95	1.10E+00	2.10E+00	7.70E+00	
WW	52	L2273	2/25/2002	Ba-140	-5.00E-01	1.40E+00	5.40E+00	
WW	52	L2273	2/25/2002	Co-58	-4.20E-01	8.40E-01	3.30E+00	
WW	52	L2273	2/25/2002	Co-60	1.66E+00	9.20E-01	2.90E+00	
WW	52	L2273	2/25/2002	Cs-134	-3.00E-01	1.00E+00	3.80E+00	
WW	52	L2273	2/25/2002	Cs-137	5.40E-01	9.00E-01	3.20E+00	
WW	52	L2273	2/25/2002	Fe-59	-1.00E+00	2.20E+00	8.70E+00	
WW	52	L2273	2/25/2002	GR-B	5.10E+00	7.80E-01	2.20E+00	*
WW	52	L2273	2/25/2002	H-3	-4.70E+02	4.30E+02	1.40E+03	
WW	52	L2273	2/25/2002	I-131	-2.20E+00	1.60E+00	6.20E+00	
WW	52	L2273	2/25/2002	Mn-54	2.20E-01	8.00E-01	2.90E+00	
WW	52	L2273	2/25/2002	Zn-65	-3.20E+00	2.00E+00	8.40E+00	
WW	52	L2273	2/25/2002	Zr-95	-2.40E+00	1.80E+00	6.90E+00	
WW	52	L2521	4/2/2002	Ba-140	8.00E-01	1.30E+00	4.60E+00	
WW	52	L2521	4/2/2002	Co-58	-1.70E-01	9.00E-01	3.40E+00	
WW	52	L2521	4/2/2002	Co-60	-2.00E-02	9.10E-01	3.50E+00	
WW	52	L2521	4/2/2002	Cs-134	5.70E-01	7.80E-01	2.80E+00	
WW	52	L2521	4/2/2002	Cs-137	1.40E+00	9.30E-01	3.10E+00	
WW	52	L2521	4/2/2002	Fe-59	1.70E+00	2.80E+00	9.90E+00	
WW	52	L2521	4/2/2002	GR-B	9.09E+00	8.20E-01	1.90E+00	*
WW	52	L2521	4/2/2002	H-3	5.40E+02	3.50E+02	1.10E+03	
WW	52	L2521	4/2/2002	I-131	5.00E-01	1.70E+00	5.80E+00	
WW	52	L2521	4/2/2002	Mn-54	-5.80E-01	9.30E-01	3.60E+00	
WW	52	L2521	4/2/2002	Zn-65	-2.40E+00	2.20E+00	8.90E+00	
WW	52	L2521	4/2/2002	Zr-95	-8.00E-01	1.50E+00	5.80E+00	

* Radioactivity Detected in Sample (i.e., CONC. > 3*STD. DEV.)

MEDIA	STATION	LSN	END_DATE	NUCLIDE	CONC (pCi/kg)	STD DEV. (pCi/kg)	MDC (pCi/kg)	
				STORM DRAIN WATER				
WW	52	L2738	5/1/2002	Ba-140	3.50E+00	1.80E+00	5.60E+00	
WW	52	L2738	5/1/2002	Co-58	-1.40E+00	1.10E+00	4.40E+00	
WW	52	L2738	5/1/2002	Co-60	-1.00E+00	1.10E+00	4.50E+00	
WW	52	L2738	5/1/2002	Cs-134	3.00E-01	1.00E+00	3.70E+00	
WW	52	L2738	5/1/2002	Cs-137	1.20E+00	1.00E+00	3.50E+00	
WW	52	L2738	5/1/2002	Fe-59	-1.30E+00	2.70E+00	1.10E+01	
WW	52	L2738	5/1/2002	GR-B	1.05E+01	1.50E+00	3.50E+00	*
WW	52	L2738	5/1/2002	H-3	-6.40E+02	2.90E+02	9.90E+02	
WW	52	L2738	5/1/2002	I-131	-6.00E-01	2.90E+00	1.00E+01	
WW	52	L2738	5/1/2002	Mn-54	-3.90E-01	9.60E-01	3.70E+00	
WW	52	L2738	5/1/2002	Zn-65	1.80E+00	3.20E+00	1.10E+01	
WW	52	L2738	5/1/2002	Zr-95	5.00E-01	1.60E+00	6.00E+00	
WW	52	L2971	5/29/2002	Ba-140	-2.00E+00	2.20E+00	8.90E+00	
WW	52	L2971	5/29/2002	Co-58	-1.39E+00	9.20E-01	3.80E+00	
WW	52	L2971	5/29/2002	Co-60	1.46E+00	9.50E-01	3.10E+00	
WW	52	L2971	5/29/2002	Cs-134	5.80E-01	9.70E-01	3.40E+00	
WW	52	L2971	5/29/2002	Cs-137	-1.14E+00	9.00E-01	3.60E+00	
WW	52	L2971	5/29/2002	Fe-59	6.00E-01	2.20E+00	8.20E+00	
WW	52	L2971	5/29/2002	GR-B	6.14E+00	8.70E-01	2.20E+00	*
WW	52	L2971	5/29/2002	H-3	7.20E+02	4.10E+02	1.20E+03	
WW	52	L2971	5/29/2002	I-131	2.40E+00	2.90E+00	1.00E+01	
WW	52	L2971	5/29/2002	Mn-54	-3.60E-01	8.70E-01	3.30E+00	
WW	52	L2971	5/29/2002	Zn-65	3.00E-01	2.50E+00	9.00E+00	
WW	52	L2971	5/29/2002	Zr-95	7.00E-01	1.80E+00	6.60E+00	
WW	52	L3237	7/1/2002	Ba-140	-5.90E+00	3.20E+00	1.40E+01	
WW	52	L3237	7/1/2002	Co-58	7.00E-01	1.50E+00	5.30E+00	
WW	52	L3237	7/1/2002	Co-60	-3.00E-01	1.60E+00	6.20E+00	
WW	52	L3237	7/1/2002	Cs-134	1.30E+00	1.50E+00	5.20E+00	
WW	52	L3237	7/1/2002	Cs-137	-1.20E+00	1.50E+00	5.80E+00	
WW	52	L3237	7/1/2002	Fe-59	4.30E+00	3.30E+00	1.10E+01	
WW	52	L3237	7/1/2002	GR-B	7.00E+00	1.10E+00	2.90E+00	*
WW	52	L3237	7/1/2002	H-3	3.90E+02	3.90E+02	1.10E+03	
WW	52	L3237	7/1/2002	I-131	1.80E+00	4.40E+00	1.60E+01	
WW	52	L3237	7/1/2002	Mn-54	-1.50E+00	1.50E+00	5.70E+00	
WW	52	L3237	7/1/2002	Zn-65	-7.10E+00	3.20E+00	1.40E+01	
WW	52	L3237	7/1/2002	Zr-95	-2.50E+00	2.70E+00	1.10E+01	
WW	52	L3408	7/29/2002	Ba-140	-9.00E-01	1.00E+00	4.30E+00	
WW	52	L3408	7/29/2002	Co-58	-7.80E-01	8.50E-01	3.30E+00	
WW	52	L3408	7/29/2002	Co-60	-2.20E+00	1.10E+00	4.60E+00	
WW	52	L3408	7/29/2002	Cs-134	2.90E-01	9.20E-01	3.30E+00	
WW	52	L3408	7/29/2002	Cs-137	-1.80E+00	1.00E+00	4.10E+00	
WW	52	L3408	7/29/2002	Fe-59	9.00E-01	2.50E+00	9.10E+00	
WW	52	L3408	7/29/2002	GR-B	8.80E+00	1.30E+00	3.00E+00	*
WW	52	L3408	7/29/2002	H-3	-2.90E+02	4.00E+02	1.20E+03	
WW	52	L3408	7/29/2002	I-131	1.40E+00	1.10E+00	3.80E+00	
WW	52	L3408	7/29/2002	Mn-54	4.30E-01	8.70E-01	3.10E+00	
WW	52	L3408	7/29/2002	Zn-65	1.20E+00	2.60E+00	8.80E+00	
WW	52	L3408	7/29/2002	Zr-95	-1.80E+00	1.50E+00	5.80E+00	

* Radioactivity Detected in Sample (i.e., CONC. > 3*STD. DEV.)

MEDIA	STATION	LSN	END_DATE	NUCLIDE	CONC (pCi/kg)	STD DEV. (pCi/kg)	MDC (pCi/kg)	
				STORM DRAIN WATER				
WW	52	L3657	8/26/2002	Ba-140	-4.00E-01	9.70E-01	3.90E+00	
WW	52	L3657	8/26/2002	Co-58	-1.06E+00	8.20E-01	3.20E+00	
WW	52	L3657	8/26/2002	Co-60	-8.10E-01	9.60E-01	3.70E+00	
WW	52	L3657	8/26/2002	Cs-134	-9.00E-02	7.50E-01	2.80E+00	
WW	52	L3657	8/26/2002	Cs-137	-1.26E+00	8.50E-01	3.30E+00	
WW	52	L3657	8/26/2002	Fe-59	2.00E-01	1.60E+00	5.90E+00	
WW	52	L3657	8/26/2002	GR-B	3.70E+00	1.00E+00	2.90E+00	*
WW	52	L3657	8/26/2002	H-3	-7.00E+01	4.40E+02	1.30E+03	
WW	52	L3657	8/26/2002	I-131	1.40E+00	1.50E+00	5.20E+00	
WW	52	L3657	8/26/2002	Mn-54	6.20E-01	7.90E-01	2.70E+00	
WW	52	L3657	8/26/2002	Zn-65	-1.00E+00	1.50E+00	6.00E+00	
WW	52	L3657	8/26/2002	Zr-95	-1.00E-01	1.10E+00	4.30E+00	
WW	52	L3942	9/30/2002	Ba-140	8.00E-01	1.70E+00	6.40E+00	
WW	52	L3942	9/30/2002	Co-58	-2.00E-01	1.00E+00	3.90E+00	
WW	52	L3942	9/30/2002	Co-60	-2.00E-01	1.00E+00	4.10E+00	
WW	52	L3942	9/30/2002	Cs-134	-3.00E-01	1.30E+00	5.00E+00	
WW	52	L3942	9/30/2002	Cs-137	-1.00E-01	1.10E+00	4.30E+00	
WW	52	L3942	9/30/2002	Fe-59	-2.30E+00	3.30E+00	1.40E+01	
WW	52	L3942	9/30/2002	GR-B	3.22E+01	2.00E+00	3.10E+00	*
WW	52	L3942	9/30/2002	H-3	1.90E+02	5.30E+02	1.60E+03	
WW	52	L3942	9/30/2002	I-131	5.00E-01	2.10E+00	7.40E+00	
WW	52	L3942	9/30/2002	Mn-54	-1.48E+00	9.90E-01	4.30E+00	
WW	52	L3942	9/30/2002	Zn-65	-4.30E+00	2.70E+00	1.10E+01	
WW	52	L3942	9/30/2002	Zr-95	3.00E-01	1.50E+00	5.90E+00	
WW	52	L4193	10/28/2002	Ba-140	3.00E+00	1.80E+00	5.80E+00	
WW	52	L4193	10/28/2002	Co-58	1.70E+00	1.10E+00	3.80E+00	
WW	52	L4193	10/28/2002	Co-60	-3.00E-01	1.30E+00	4.70E+00	
WW	52	L4193	10/28/2002	Cs-134	-1.50E+00	1.00E+00	4.10E+00	
WW	52	L4193	10/28/2002	Cs-137	-1.30E+00	1.10E+00	4.40E+00	
WW	52	L4193	10/28/2002	Fe-59	2.40E+00	2.30E+00	8.00E+00	
WW	52	L4193	10/28/2002	GR-B	9.80E+00	1.30E+00	3.00E+00	*
WW	52	L4193	10/28/2002	H-3	2.00E+01	2.80E+02	8.90E+02	
WW	52	L4193	10/28/2002	I-131	-5.70E+00	2.50E+00	9.70E+00	
WW	52	L4193	10/28/2002	Mn-54	-1.90E+00	1.20E+00	4.60E+00	
WW	52	L4193	10/28/2002	Zn-65	6.40E+00	4.90E+00	1.60E+01	
WW	52	L4193	10/28/2002	Zr-95	1.00E-01	1.80E+00	6.50E+00	
WW	52	L4398	11/25/2002	Ba-140	3.10E+00	1.80E+00	5.70E+00	
WW	52	L4398	11/25/2002	Co-58	-6.00E-01	1.00E+00	3.90E+00	
WW	52	L4398	11/25/2002	Co-60	-3.00E-01	1.20E+00	4.60E+00	
WW	52	L4398	11/25/2002	Cs-134	-1.00E-01	1.10E+00	4.00E+00	
WW	52	L4398	11/25/2002	Cs-137	-1.30E+00	1.30E+00	4.80E+00	
WW	52	L4398	11/25/2002	Fe-59	-3.00E-01	2.10E+00	8.10E+00	
WW	52	L4398	11/25/2002	GR-B	7.90E+00	1.30E+00	3.30E+00	*
WW	52	L4398	11/25/2002	H-3	1.40E+02	4.40E+02	1.30E+03	
WW	52	L4398	11/25/2002	I-131	-4.60E+00	2.40E+00	9.00E+00	
WW	52	L4398	11/25/2002	Mn-54	-1.00E+00	1.10E+00	4.30E+00	
WW	52	L4398	11/25/2002	Zn-65	5.00E+00	5.00E+00	1.70E+01	
WW	52	L4398	11/25/2002	Zr-95	2.40E+00	1.90E+00	6.30E+00	

* Radioactivity Detected in Sample (i.e., CONC. > 3*STD. DEV.)