NEXTera ENERGY SEABROOK

April 28, 2011

Docket No. 50-443
SBK-L-11087

U. S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, D.C. 20555-0001

Seabrook Station
2010 Annual Radiological Environmental Operating Report

Pursuant to the requirements of 10 CFR 50.36a(a)(2) and Seabrook Station Technical Specification 6.8.1.3, NextEra Energy Seabrook, LLC submits the 2010 Annual Radiological Environmental Operating Report. The report summarizes the implementation of the NextEra Energy Seabrook, LLC Radiological Environmental Monitoring Program (REMP). Attachment 1 to the report is the complete data set for the REMP samples.

A copy of this report is also being provided to the Commonwealth of Massachusetts, Department of Public Health; and the State of New Hampshire, Bureau of Radiological Health.

Should you require further information regarding this matter, please contact David Robinson, Chemistry Department Manager, at (603) 773-7496.

Sincerely,

NextEra Energy Seabrook, LLC

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IE25
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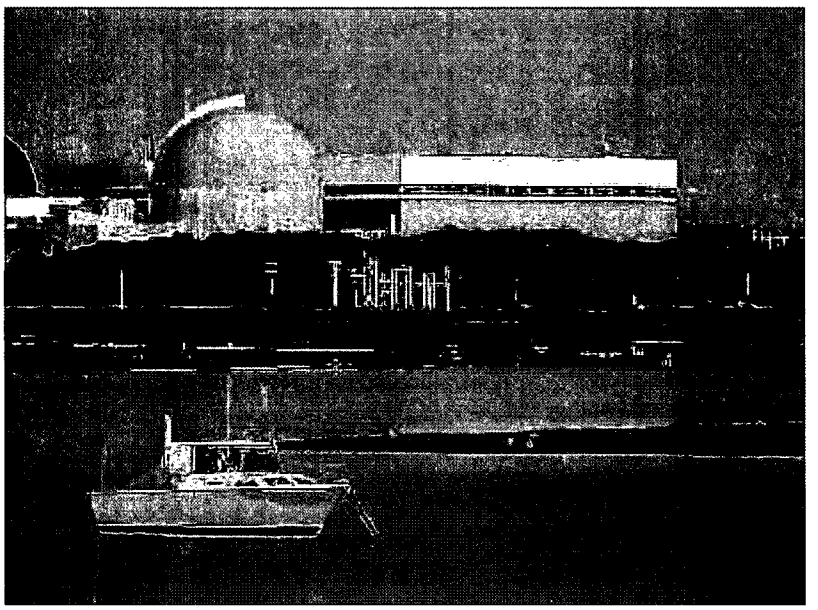
NEXTera ENERGY SEABROOK

2010 Annual Radiological Environmental Operating Report



April 2011

SEABROOK STATION

ANNUAL RADIOLOGICAL ENVIRONMENTAL OPERATING REPORT

For the Period

January - December 2010

Docket No. 50-443

Prepared By:

NextEra Energy Seabrook, LLC
Chemistry Department
Seabrook Station

And

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David Robinson, NextEra Energy Seabrook, LLC

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Executive Summary

Both the plant operations and Dry Fuel Storage Radiological Environmental Monitoring Programs (REMP) for Seabrook Station operated successfully for the period of January through December 2010. This report describes the REMP and its implementation as required by Technical Specifications and defined in the Offsite Dose Calculation Manual (ODCM). It also contains analytical results, data evaluation, dose assessment, and data trends for each environmental sample medium. Also included are the results of the Land Use Census, historical data, and the environmental laboratory performance in the Quality Assurance Intercomparison Program required by the ODCM. In the fourth quarter of 2010, the AREVA Environmental Laboratory (ELab) of Westborough, MA, which had been the analysis lab of record since the beginning of the Seabrook REMP, ended its analytical operations. Laboratory services for sample analyses (excluding TLDs) were transitioned to GEL Laboratories, Inc. of Charleston, SC for the remainder of the year. TLD counting services continued to use the same Elab staff and equipment for analysis of dosimeter readings for the entire 2010 period.

Radioactivity levels in the vicinity of Seabrook Station from January 1 through December 31, 2010 in air, water, sediment, milk, fish, food crops, and vegetation, as well as direct radiation measurements have been analyzed, evaluated, and summarized. The results of the REMP are intended to supplement the results of the radiological effluent monitoring by verifying that the measurable concentration of radioactive materials and levels of radiation are not higher than expected on the basis of the effluent measurement and modeling of the environmental exposure pathways.

Radiation and radioactivity in the environment is monitored within a 10-mile radius of the site. Two types of samples are taken. The first type, control samples, is collected from areas that are beyond measurable influence of Seabrook Station. These samples are used as reference data. Normal background radiation levels, or radiation present due to causes other than Seabrook Station, can thus be compared to the environment surrounding the nuclear power station. Indicator samples are the second sample type obtained. These samples show how much radiation or radioactivity is contributed to the environment by the site. Indicator samples are taken from areas close to the station where any plant contribution will be at the highest concentration. The ODCM minimum required plant operations REMP (broad leaf vegetation substituted for lack of sufficient milk locations) includes the collection of 564 samples per year, with a total of 2128 individual measurement analyses. In 2010, the total number of collected samples (both required and non-required) equaled 884 taken from 103 locations around Seabrook Station. These included aquatic, atmospheric, and terrestrial environments. An estimated 4909 individual measurement analyses were performed on these samples. The plant operations radiological environmental monitoring program is outlined in Table 2.0-1. Radiation environmental monitoring associated with Dry Fuel Storage (DFS) included 20 direct radiation measurements using environmental TLDs in 2010. The DFS environmental monitoring program is shown on Table 4.0-1.

Prior to station operation, samples were collected and analyzed to determine the amount of radioactivity present in the area. The resulting values are used as a "pre-operational baseline." Current analysis results from the indicator samples are compared to both current control sample values and the pre-operational baseline to determine if changes in radioactivity levels are attributable to station operations.

A report is required to be submitted to the Nuclear Regulatory Commission when the level of radioactivity in an environmental sampling medium exceeds the limits specified in the ODCM when averaged over any calendar quarter. Also, when more than one of the radionuclides is detected in the sampling medium, this report shall be submitted if:

$$\frac{\text{Concentration (1)}}{\text{Limit Level (1)}} + \frac{\text{Concentration (2)}}{\text{Limit Level (2)}} + \ldots \geq 1.0$$

Based on the analytical results of environmental samples during 2010, Seabrook Station reporting levels were not exceeded.

All off-site radioactivity detected was attributable to either naturally occurring radionuclides, previous nuclear weapons tests, or other man-made sources.

In 2010, the maximum whole body dose to the hypothetically exposed individual was estimated to be 0.042 mrem. This whole body dose is the sum of all the exposure pathways for liquid and gaseous effluents, plus the direct whole body dose from station operations. This total represents approximately 0.17% of the whole body dose limits for a member of the public as set forth in 40CFR190.

The average effective dose per individual in the U.S. population from ubiquitous or background radiation sources is about 3.11 mSv/yr (311 mrem/yr), with another 3.00 mSv/yr (300 mrem/yr) resulting from medical procedures and imaging (NCRP Report No. 160, "Ionizing Radiation Exposure of the Population of the United States" (2009)). The estimate for natural background includes radon gas which has always been present but has not always been included in previous estimates. In some regions of the country, the amount of natural radiation is significantly higher. Residents of Colorado, for example, receive an additional 60 mrem/yr due to the increase in cosmic and terrestrial radiation levels. In fact, for every 100 feet above sea level, a person will receive an additional 1 mrem/yr from cosmic radiation. In several regions of the world, naturally high concentrations of uranium and radium deposits result in doses of several thousand mrem/yr to their residents (CRC Handbook. "Radioecology: Nuclear Energy and the Environment", F. Ward Whicker and Vincent Schultz, Volume I, 1982).

Analytical results are divided into four ODCM required categories based on exposure pathways: Airborne, direct radiation, ingestion, and waterborne. Each of these pathways is described below:

- The airborne exposure pathway includes airborne iodine and airborne particulate. The 2010 results were similar to previous years. There was no notable increase in natural products and no detectable fission products or other plant-related radionuclides in the airborne particulate media during the year.

- The direct exposure pathway measures environmental radiation exposures by use of thermoluminescent dosimeters (TLDs). TLD results have indicated a stable trend and compare well with previous years which reflect the natural variability of background radiation from one location to another. No significant radiation contribution from Seabrook Station sources were identified via TLD environmental measurements off-site during the course of 2010 from either plant operations or from the spent fuel in the Dry Fuel Storage Facility which began operations with the first fuel load on July 28, 2008.

- The ingestion exposure pathway includes milk, fish, food products and leafy vegetation samples. The gamma spectroscopy counting indicated the most prominent positive results were for potassium-40 (K-40) at average environmental levels. Other naturally occurring radionuclides were also periodically detected. Residual levels of Cesium-137 attributable to past weapons fall out were detected in ten milk samples. No radionuclides related to the plant were detected in any of these sample media during 2010.

- The waterborne exposure pathway includes surface (ocean) water, drinking water supply, shallow well water, sea algae (Irish Moss) and sediment. Water samples were analyzed for tritium, gross-beta and gamma-emitting radionuclides. Irish Moss was analyzed for gamma-emitting radionuclides. Tritium was not identified in the samples analyzed. For groundwater, the gross beta activity seen at all locations is similar to what was seen in the pre-operational program and is consistent with results from previous years of commercial operations. Gamma analysis of samples indicated no plant-related gamma-emitting radionuclides above detection limits.

The results of the 2010 REMP continues to clearly demonstrate that there is no significant short term or chronic long-term radiological impact on the environment in the vicinity of Seabrook Station from plant operations and that there is no detectable impact to members of the public associated with the DFS facility. No abnormal radiological characteristics were identified or observed in the surrounding environs. Plant effluents contribute no measurable radiation exposure to the general public as confirmed and assessed by the REMP. Environmental radiation levels measured at the site boundary and near the nearest resident are at background levels. This is consistent with previous data. As a result, no increasing or decreasing trends were identified.

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1.0 Introduction

NextEra Energy Seabrook, LLC's Radiological Environmental Monitoring Program (REMP) consist of two interconnected sample collection and measurement schedules that look for environmental influences from: (1) plant operations which release to the environment radioactive materials in liquid and gaseous effluents, and direct radiation from plant facilities inside the power block Protected Area, and (2) direct radiation from used fuel placed in the Dry Fuel Storage (DFS) facility located in the West Southwest sector approximately 0.38 miles from the Containment Building. Several monitoring locations provide data that are shared or used in the assessment of both plant and DFS operations

The plant operations REMP at Seabrook Station has been designed and carried out to achieve the following specific objectives:

- To provide an indication of the appearance or accumulation of any radioactive material in the environment caused by the operation of the nuclear power station.
- To provide assurance to regulatory agencies and the public that the station's environmental impact 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.

In July 2008, the plant operations REMP was supplemented with the DFS environmental monitoring for direct radiation when used nuclear fuel assemblies were for the first time transferred to the on-site DFS facility located WSW of the power block.

NextEra Energy Seabrook, LLC staff collected the terrestrial samples. Normandeau Associates, Inc. collected the marine and sediment samples. After initial processing, the samples were sent for the first three quarters of the year to the AREVA Environmental Laboratory in Westborough, Massachusetts for further processing and radionuclide analysis. The AREVA laboratory TLD processing section staff and equipment also processed the environmental thermoluminescent dosimeters (TLDs) for the entire year. By the end of the third quarter of 2010, the AREVA laboratory stopped its sample analysis operations which were transitioned over to GEL Laboratories, Inc. of Charleston, SC for the balance of the year.

This report is a summary of the findings of the Radiological Environmental Monitoring Program for 2010. It is being provided in compliance with Part A of Seabrook Station's ODCM and Technical Specification 6.8.1.3.

2.0 Plant Operations Environmental Monitoring Program

Table 2.0-1 outlines the plant operations monitoring program as specified in the Seabrook Station ODCM, Part B, Section 4. Table 2.0-2 lists the operational sampling stations and their specific locations (distances are measured from the center of the Unit 1 Containment Building). The sampling locations are shown on maps in Figures 2.1 through 2.6. The sampling and analysis program as described above fulfills the minimum requirements for environmental sample collection and analysis as contained in ODCM Table A.9.1-1, and includes additional sampling of various pathways and locations beyond the minimum requirements.

Below are listed the two-letter media codes and what they represent:

AP	Air Particulate
CF	Charcoal Filter
TM	Milk
WG	Ground Water
WS	Surface (Sea) Water
SE	Sediment
FH	Fin fish
HA	Lobsters
MU	Mussels (Shellfish – edible portion only)
MS	Mussels (Shellfish – shell portion only)
TL	Direct Radiation (TLD)
AL	Irish Moss (algae)
TF	Food Crop
TG	Vegetation

Table 2.0-1

Plant Operations Radiological Environmental Monitoring Program

Media	Sampling Frequency	Required Analyses
Air Particulate (AP)	-Bi-Weekly -Quarterly Composite	Gross Beta Gamma spectroscopy
Charcoal Filter (CF)	-Bi-Weekly	I-131
Milk (TM)	-Monthly (Semimonthly when animals are on pasture)	Gamma spectroscopy I-131
Surface (Sea) Water (WS)	-Monthly -Quarterly Composite	Gamma spectroscopy H-3 (composite)
Sediment (SE)	-Semiannually	Gamma spectroscopy
Fish & Invertebrates (FH, HA, MU)	-Quarterly or -Semiannually	Gamma spectroscopy
Direct Radiation (TL)	-Quarterly	Integrated gamma exposure
Irish Moss (AL)	-Semiannually	Gamma spectroscopy
Ground Water (WG)	-Quarterly	Gamma spectroscopy Gross Beta H-3
Food Crops (TF)	-Monthly/Growing Season	Gamma spectroscopy
Vegetation (TG)	-Monthly/Growing Season	Gamma spectroscopy I-131

Table 2.0-2

Plant Operations Radiological Environmental Monitoring Locations[a] [b]
2010

Station Code (Media - Sta. No.)	Station Description	Zone	Distance From Plant (km)	Direction From Plant
AP/CF-01+	PSNH Barge Landing Area	1	2.6	ESE
AP/CF-02+	Hampton Marina (Harbor Rd)	1	2.5	E
AP/CF-03+	Southwest Boundary	1	1.0	SW
AP/CF-04+	West Boundary	1	1.2	W
AP/CF-05	Winnacunnet High School	1	4.0	NNE
AP/CF-07+	PSNH Substation	1	5.7	NNW
AP/CF-08	E&H Substation	1	3.4	SSE
AP/CF-09+	Georgetown Electric Light Co.	2	21.4	SSW
TM-15	Hampton Falls, NH	1	6.9	NW
TM-20	Rowley, MA	2	17.0	S
TM-24	North Hampton, NH	1	8.1	NNE
WG-01	Seabrook Town Wells	1	5.6	W
WG-13	Seabrook Station Well No.13	1	1.0	N
WG-14	Brimmer's Lane	1	1.3	NNW
WS-01+	Hampton-Discharge Area	1	5.3	E
WS-51+	Ipswich Bay	2	16.9	SSE
WS-02	Seabrook Marsh	1	0.1	SSE
SE-02	Hampton-Discharge Area	1	5.3	E
SE-07	Hampton Beach	1	3.1	E
SE-08+	Seabrook Beach	1	3.2	ESE
SE-52	Ipswich Bay	2	16.9	SSE
SE-57	Plum Island Beach	2	15.9	SSE
FH-03+	Hampton-Discharge Area	1	4.5	ESE
FH-53+	Ipswich Bay	2	16.4	SSE
HA-04+	Hampton-Discharge Area	1	5.5	E
HA-54+	Ipswich Bay	2	17.2	SSE
MU-06+	Hampton-Discharge Area	1	5.2	E
MU-09	Hampton Harbor	1	2.6	E
MU-56+	Ipswich Bay	2	17.4	SSE
MU-59	Plum Island	2	15.8	SSE
MS-06	Hampton-Discharge Area	1	5.2	E
MS-56	Ipswich Bay	2	17.4	SSE
AL-05	Hampton-Discharge Area	1	5.2	E
AL-55	Ipswich Bay	2	17.4	SSE
TF-02	Hampton Falls, NH	1	5.0	WNW
TF-03	Salisbury, MA	1	5.1	SW
TF-06	Ipswich, MA	2	26.0	S

Table 2.0-2 (Cont'd)

Plant Operations Radiological Environmental Monitoring Locations[a] [b]
2010

Station Code (Media - Sta. No.)	Station Description	Zone	Distance From Plant (km)	Direction From Plant
TG-08+	North Access Rd, Site Boundary	1	1.05	W
TG-09+	General Office Bld. Site Boundary	1	0.97	SW
TG-10+	Georgetown Electric Light Co.	2	21.4	SSW
TL-01+	Brimmer's Lane, Hampton Falls	I	0.97	N
TL-02+	Landing Road, Hampton	I	3.0	NNE
TL-03+	Glade Path, Hampton Beach	I	2.9	NE
TL-04+	Island Path, Hampton Beach	I	2.3	ENE
TL-05+	Harbor Road, Hampton Beach	I	2.5	E
TL-06+	PSNH Barge Landing Area	I	2.7	ESE
TL-07+	Cross Road, Seabrook Beach	I	2.6	SE
TL-08+	Farm Lane, Seabrook	I	1.3	SSE
TL-09+	Farm Lane, Seabrook	I	1.3	S
TL-10+	Site Boundary Fence	I	1.2	SSW
TL-11+	Site Boundary Fence	I	1.0	SW
TL-12+	Site Boundary Fence	I	1.2	WSW
TL-13+	Inside Site Boundary	I	1.2	W
TL-14+	Trailer Park, Seabrook	I	1.3	WNW
TL-15+	Brimmer's Lane, Hampton Falls	I	1.4	NW
TL-16+	Brimmer's Lane Hampton Falls	I	1.2	NNW
TL-17+	South Road, North Hampton	0	7.8	N
TL-18+	Mill Road, North Hampton	0	7.6	NNE
TL-19+	Appledore Avenue, North Hampton	0	7.7	NE
TL-20+	Ashworth Avenue, Hampton Beach	0	3.2	ENE
TL-21+	Route 1A, Seabrook Beach	0	3.7	SE
TL-22+	Cable Avenue, Salisbury Beach	0	7.6	SSE
TL-23+	Ferry Road, Salisbury	0	8.1	S
TL-24+	Ferry Lots Lane, Salisbury	0	7.2	SSW
TL-25+	Elm Street, Amesbury	0	7.6	SW
TL-26+	Route 107A, Amesbury	0	8.1	WSW
TL-27+	Highland St. S. Hampton	0	7.5	W
TL-28+	Rte. 150, Kensington	0	7.5	WNW
TL-29+	Frying Pan Ln., Hampton Falls	0	7.2	NW
TL-30+	Route 27, Hampton	0	7.6	NNW

Table 2.0-2 (Cont'd)

Plant Operations Radiological Environmental Monitoring Locations[(a) (b)]
2010

Station Code (Media - Sta. No.)	Station Description	Zone	Distance From Plant (km)	Direction From Plant
TL-31+	Alumni Drive, Hampton	S	3.8	NNE
TL-32+	Seabrook Elementary School	S	2.0	S
TL-33+	Dock Area, Newburyport	S	9.8	S
TL-34+	Bow Street, Exeter	S	12.0	NW
TL-35+	Lincoln Ackerman School	S	2.3	NNW
TL-36+	Route 97, Georgetown	2	22.6	SSW
TL-37+	Post Office Plaistow, NH	2	21.5	WSW
TL-38+	Emerson St. Hampstead, NH	2	27.7	W
TL-39+	Fremont, NH	2	27.0	WNW
TL-40+	Newmarket, NH	2	21.6	NNW
TL-41	Portsmouth, NH	2	21.0	NNE
TL-42	Ipswich, MA	2	22.8	SSE
TL-43	Rocks Road Landing	S	0.3	ENE
TL-44	Education (Science & Nature) Center	S	0.6	SW
TL-45	Hampton Fire Station	S	4.4	NE
TL-46	Seabrook Beach	S	2.8	ESE
TL-47	Hampton Falls, NH	S	4.1	WNW

Zone indices are: 1 = Indicator Stations; 2 = Control Stations; 0 = Outer Ring TLD; I = Inner Ring TLD; S = Special Interest TLD

\+ = Sample Locations required by the Off-Site Dose Calculation Manual (ODCM)

(a) Dry Fuel Storage (DFS) locations are listed on Table 4.0-1.

(b) Table reflects those locations included in the 2010 sample collection program.

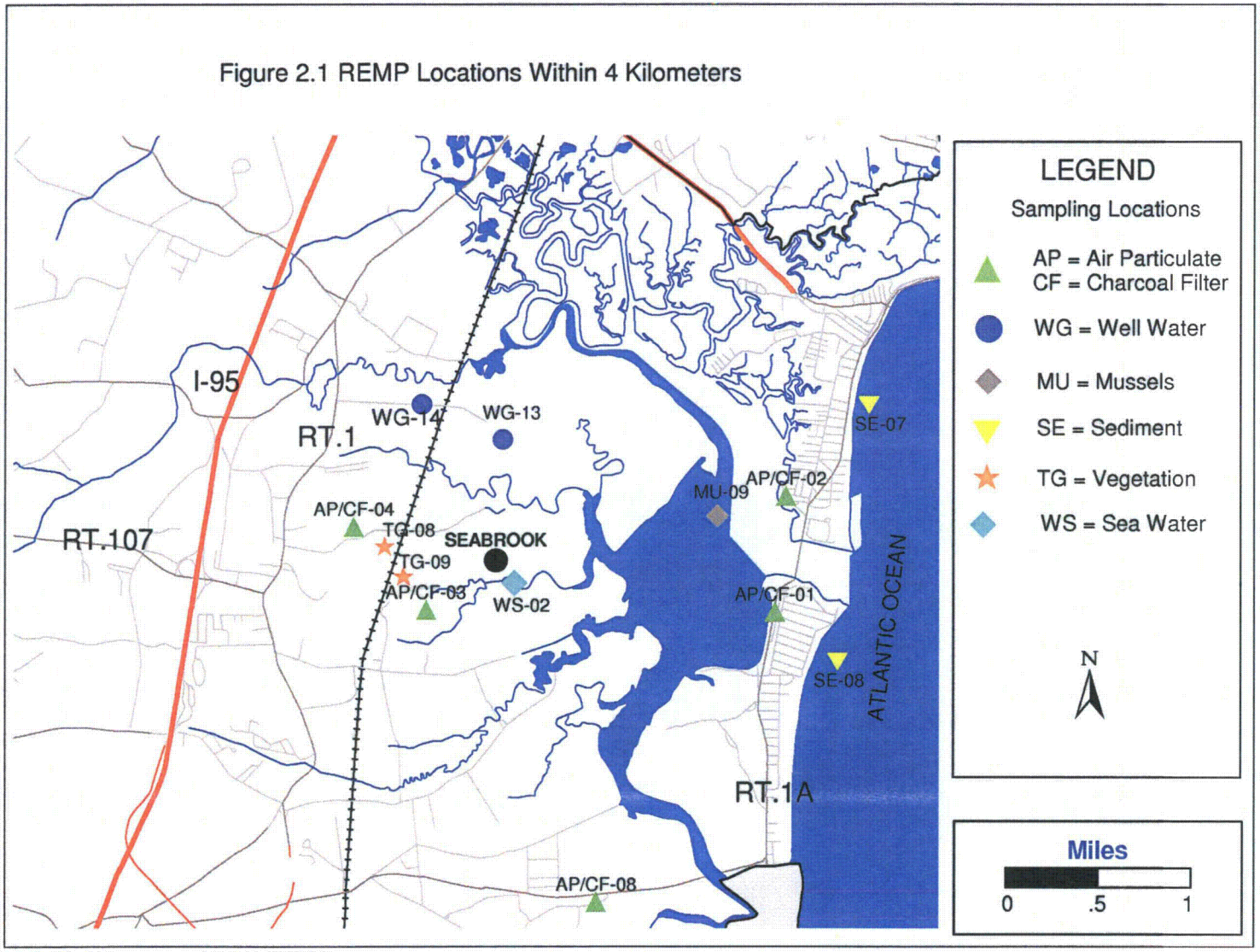


Figure 2.1 Radiological Environmental Monitoring Locations Within 4 Kilometers of Seabrook Station

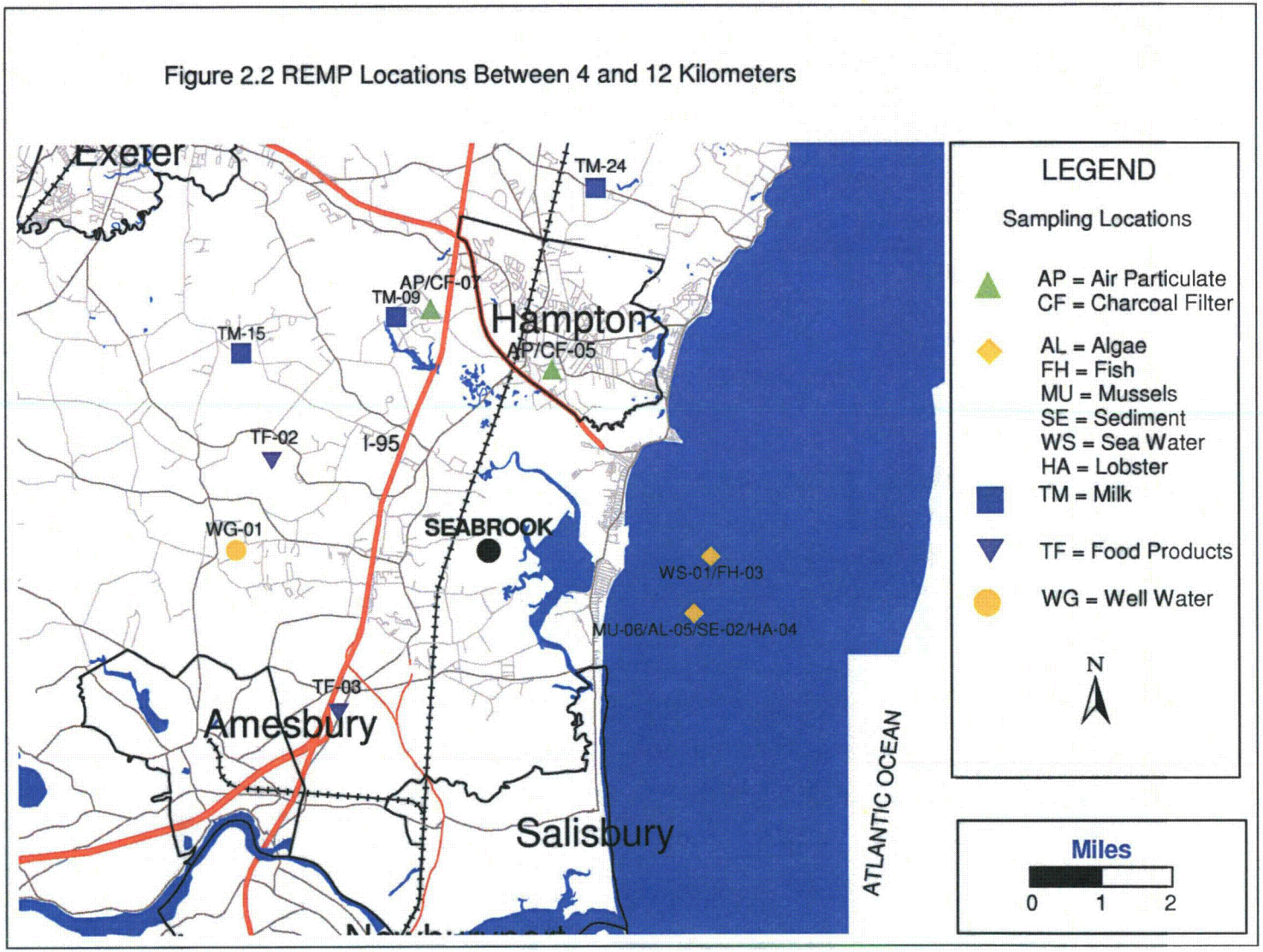


Figure 2.2 Radiological Environmental Monitoring Locations Between 4 & 12 Kilometers of Seabrook Station

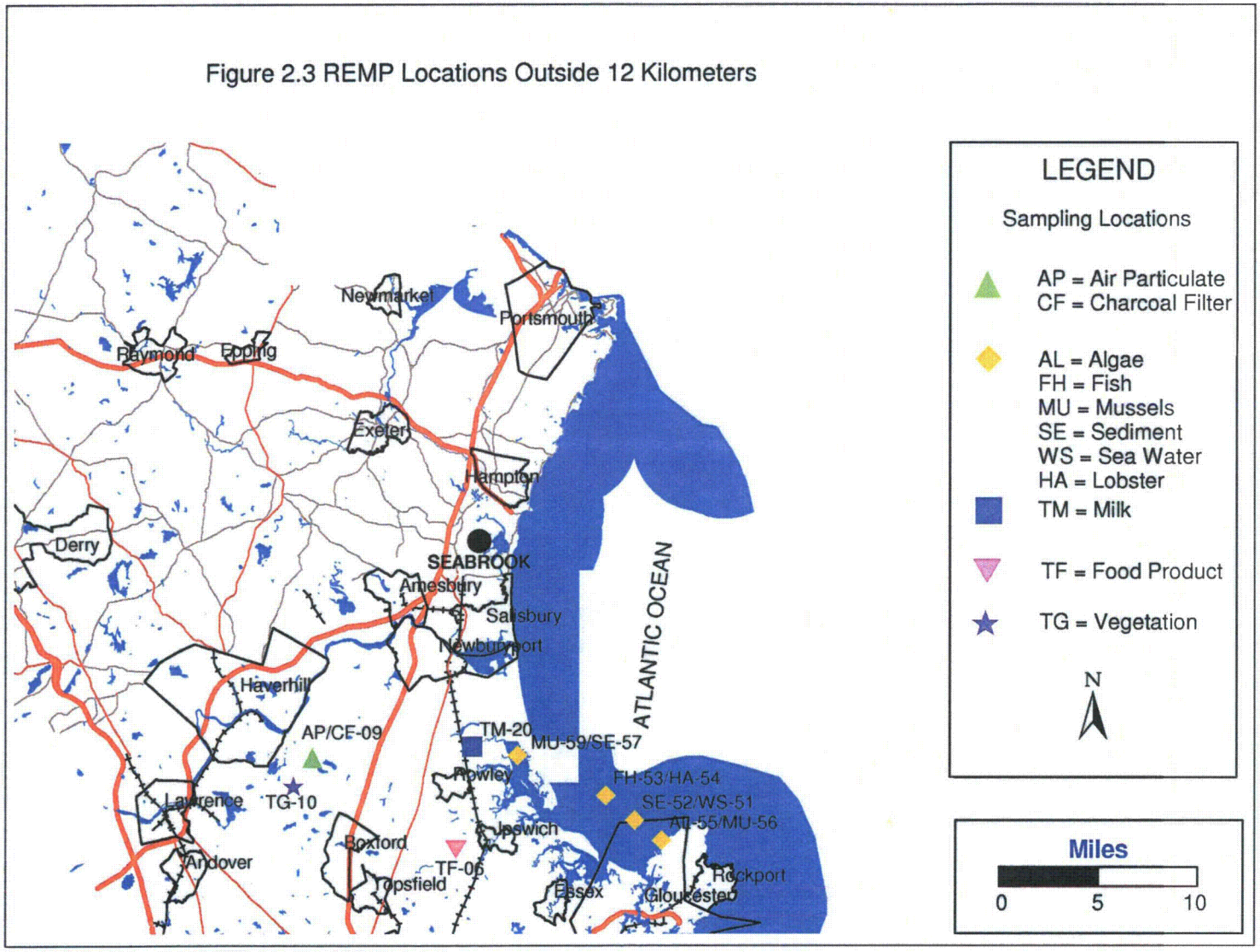


Figure 2.3 Radiological Environmental Monitoring Locations Outside 12 Kilometers of Seabrook Station

Figure 2.4 Direct Radiation Monitoring Locations Within 4 Kilometers of Seabrook Station

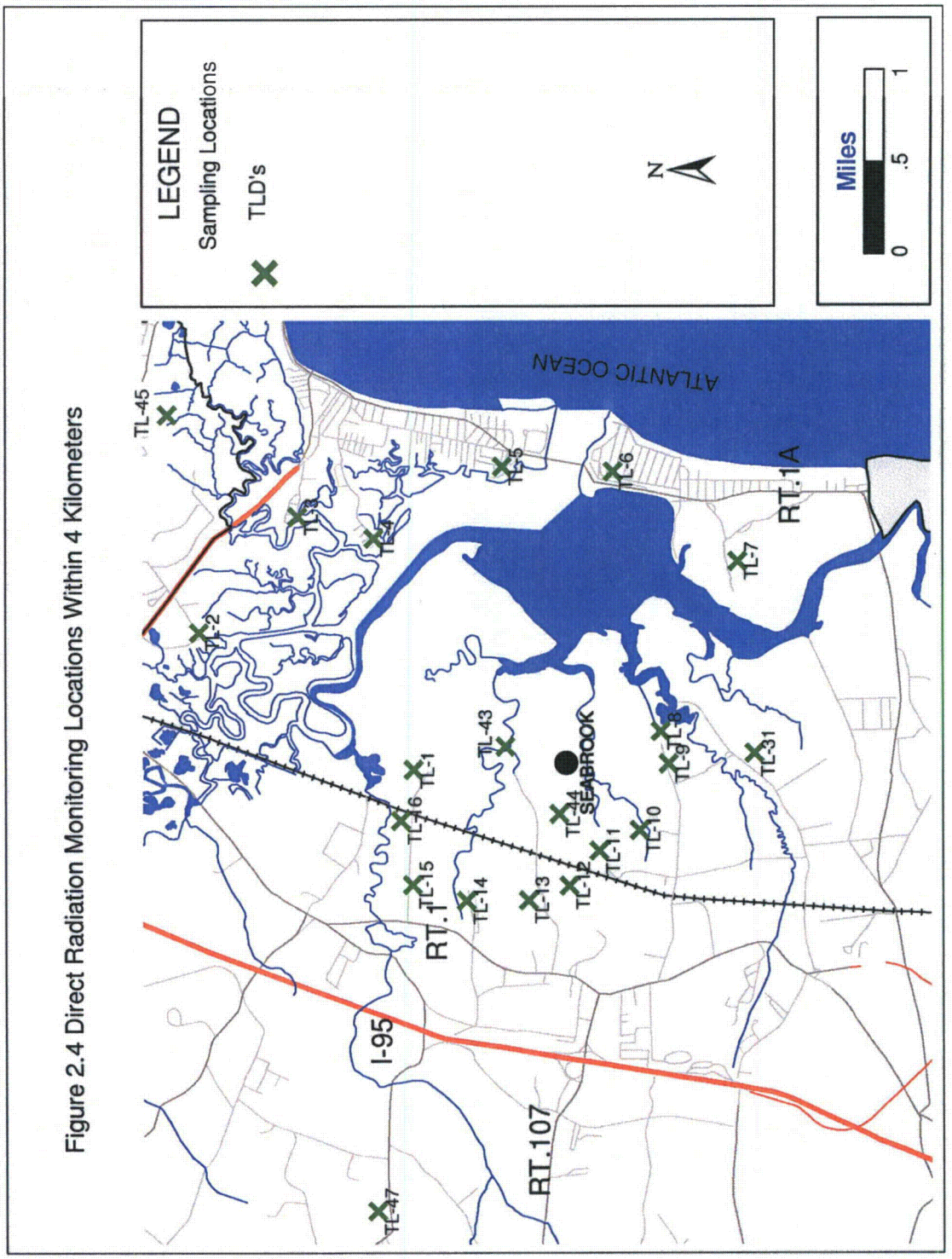


Figure 2.5 Direct Radiation Monitoring Locations Between 4 & 12 Kilometers of Seabrook Station

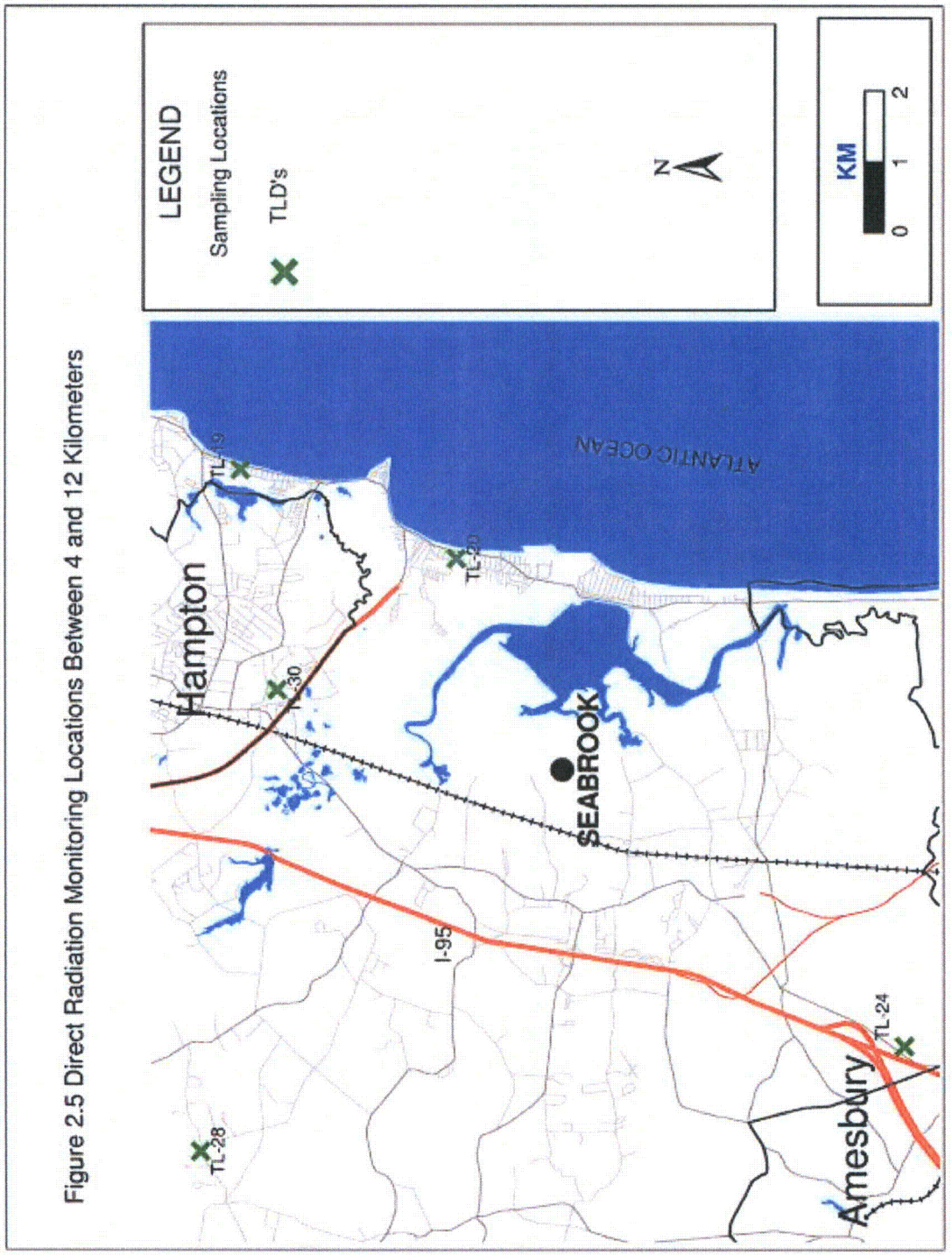
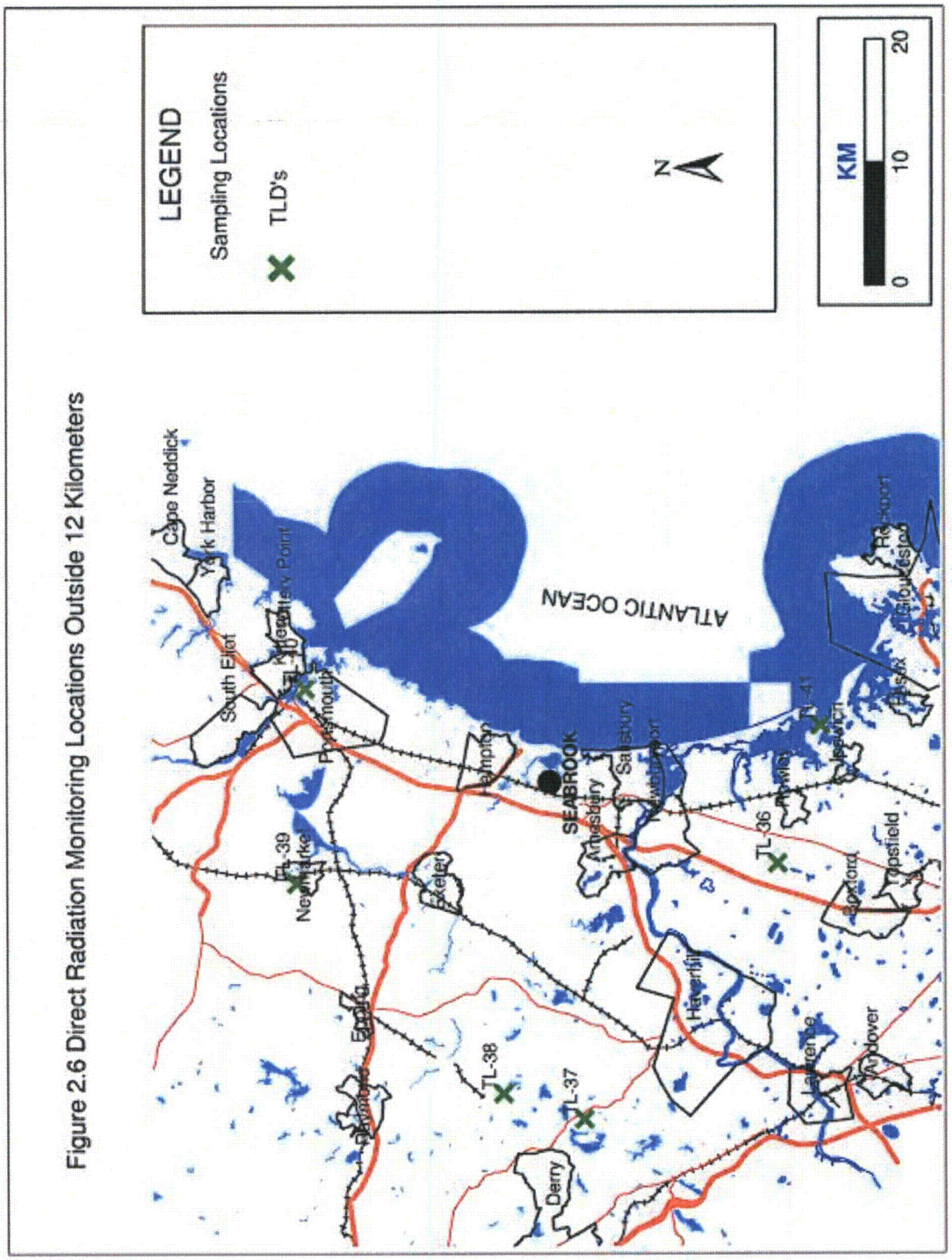


Figure 2.6 Direct Radiation Monitoring Locations Outside 12 Kilometers of Seabrook Station



3.0 Summary of Plant Operations Radiological Environmental Monitoring Data

The following pages summarize the analytical results of the plant operations environmental samples collected in 2010. Each environmental media category is presented as a separate subsection. A table that summarizes the data follows a discussion of the sampling requirements and results for each media type. Listed at the top of each table are the units of measurement for each medium. The left-hand column contains the radionuclide which is being reported, total number of analyses of that radionuclide, and the number of measurements that exceed the required reporting level as documented in Table A.9.1-3 of the ODCM. The latter are classified as "non-routine" measurements. The next column lists the Lower Limit of Detection (LLD) for those radionuclides that have detection capability requirements specified in the ODCM.

Those sampling stations which are adjacent to the plant and which could conceivably be affected by the operation of Seabrook Station are called "Indicator" or "Zone 1" stations. Distant stations, which are beyond potential plant influences, are called "Control" or "Zone 2" stations.

A set of statistical parameters is calculated for each radionuclide. This set of statistical parameters includes separate analyses for (1) the indicator stations, (2) the station having the highest annual mean concentration for that radionuclide, (3) and control stations. For each of these three groups of data, these parameters are as follows:

- The mean value of all concentrations.
- The range of values.
- The number of positive measurements (a concentration which is greater than 3 times the standard deviation for that measurement) divided by the total number of measurements.

Each single radioactivity measurement in media datum in this report is based on a single measurement and is reported as a concentration plus or minus a one standard deviation uncertainty. The quoted uncertainty term 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.

Attachment 1 contains the data for the samples collected in 2010. The results are organized by sample type, within each sample type the data are alphabetical by nuclide, and within each nuclide listing the data are chronologically arranged by end date (date of sample collection).

The radionuclide value concentrations have been corrected for radioactive decay. For composite samples, such as air particulates and airborne iodine, the AREVA Environmental Laboratory used the start and stop date/time and calculated the buildup and decay during collect assuming a constant flow rate and concentration, and corrected for transit time from end of collection to analysis time. The GEL laboratory uses the mid-point of the collection period as the reference for decay correction until the analysis time.

3.1 Air Particulate

Air monitoring stations were established at a total of eight locations, six locations required by the ODCM with two additional sites included to supplement the program. Seven of the locations are indicators, while the remaining one is a control station located more than 21 km away from the plant.

Airborne particulate (AP) is collected by passing the air through a glass-fiber filter. In 2010, these filters were typically collected bi-weekly and held for a period (typically 100 hours or more) before being analyzed for gross-beta activity (indicated as GR-B in tables) to allow for the decay of radon daughter products. Continuous automated and real-time remote monitoring of vital air sampling system parameters is performed with telemetry that detects power outages, pump failures, filter degradation, tubing failures and excessive filter loading. The telemetry communicates by cellular transmission to a web server that communicates to a shift technician's pager when set-point thresholds are reached, providing 24/7 alert notification. This capability provides for timely identification of problems and corrective actions that reduce the potential loss of air sampling. There were periods when high dust loading over the collection period caused a higher than normal differential pressure drop across the collection filters. When this occurred, the collection period was reduced to weekly cycles to reduce the dust loading. AP/CF-03 (SW site boundary) was operated on a weekly change out cycle for 16 weeks in 2010 due to heavy dust loadings resulting from operation of a new nearby gravel pit. The relocation of AP/CF-03 to an area away from the gravel pit operation is scheduled for early 2011. For the year, 216 particulate filters were collected and analyzed for gross beta activity.

The 2010 gross beta activity analyses for the indicator locations were found to be statistically equivalent to that seen at the control station. The gross beta results are also similar to what was seen in the pre-operational program and for the last twenty years of commercial operation. All filter samples from all stations showed similar trends lines (see Figure 3.1) over the course of the year and from previous years (see Figures 3.1.1, 3.1.2, and 3.1.3). Figure 3.2 compares the quarterly average gross beta response of all indicator air sampling stations to the control location over the last 15 years, which shows no significant difference in the two data sets. It is also noted that no plant-related radionuclides (by gamma spectroscopy) were identified in any of the quarterly filter composite samples. The overall fluctuations at all stations seen in the gross beta activity throughout the year can be attributed to changes in the environmental conditions. Natural environmental processes such as wind direction, precipitation, snow cover, and soil temperature and moisture affect concentrations of naturally occurring radionuclides in the atmosphere directly above land.

No plant-related gamma-emitting radionuclides were detected in any of the quarterly composite air filter samples analyzed. Therefore, no increasing or decreasing trends were observed. In 2010, naturally occurring Be-7 was the only radionuclide detected. Be-7 is of cosmogenic origin. This is consistent with previous years in both the pre- and operational periods.

The air particulate sampling program demonstrated no off-site dose to the public or impact to the environment from this pathway as the result of plant operations. This is consistent with previous years and the pre-operational program. The REMP Summary Table 3.1-1 list the range of analysis results by radionuclide for Indicator and Control Stations for the air particulate environmental media. Attachment 1 to this report lists the individual analysis results for each measurement of air particulates under the Sample Type code AP.

Air particulate sample collection and analysis deviations from the ODCM required program are described in Section 5.

FIGURE 3.1

GROSS-BETA MEASUREMENTS OF AIR PARTICULATE FILTERS
SEABROOK STATION

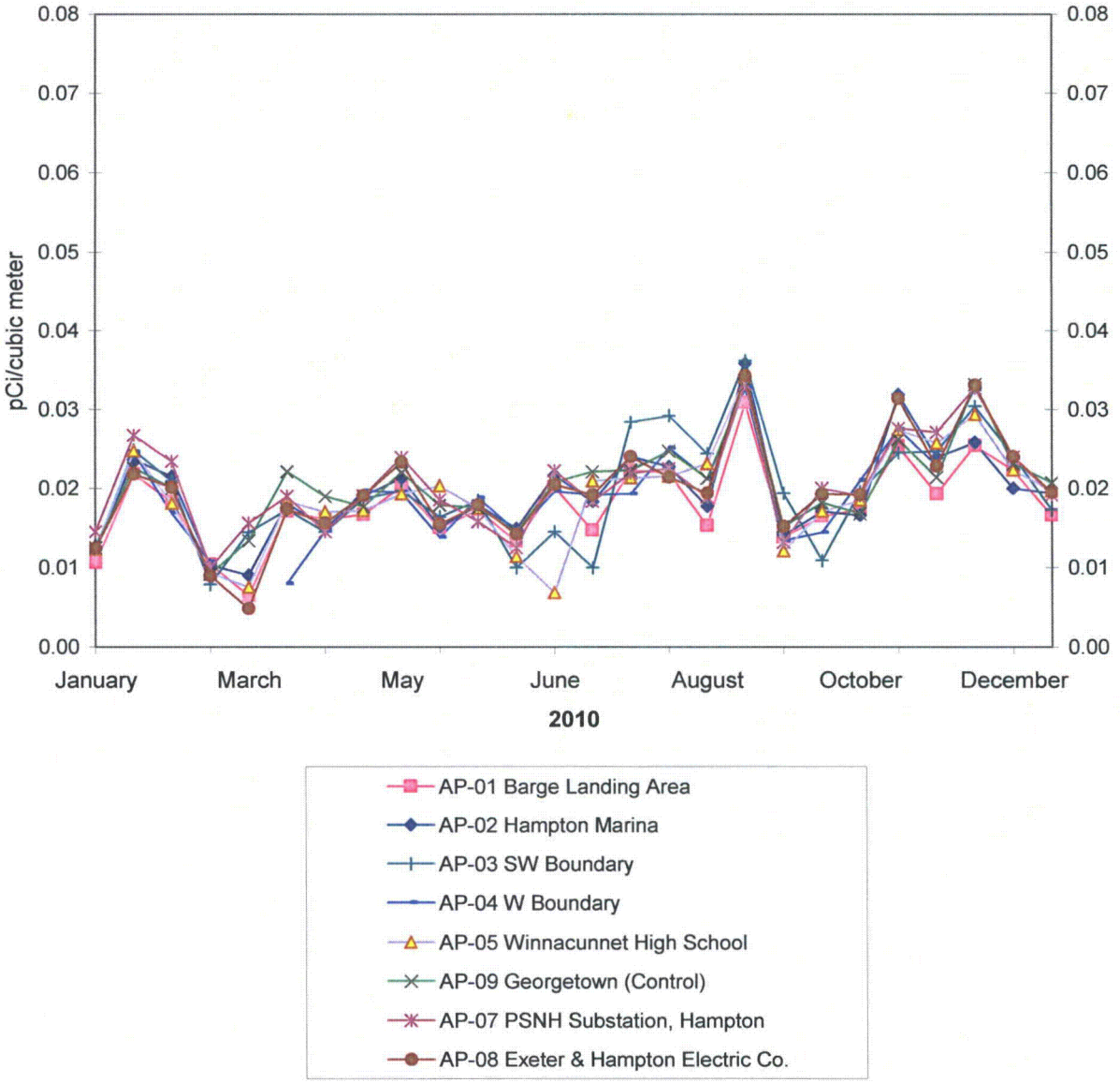


FIGURE 3.1.1

GROSS-BETA MEASUREMENTS OF AIR PARTICULATE FILTERS QUARTERLY AVERAGES
SEABROOK STATION

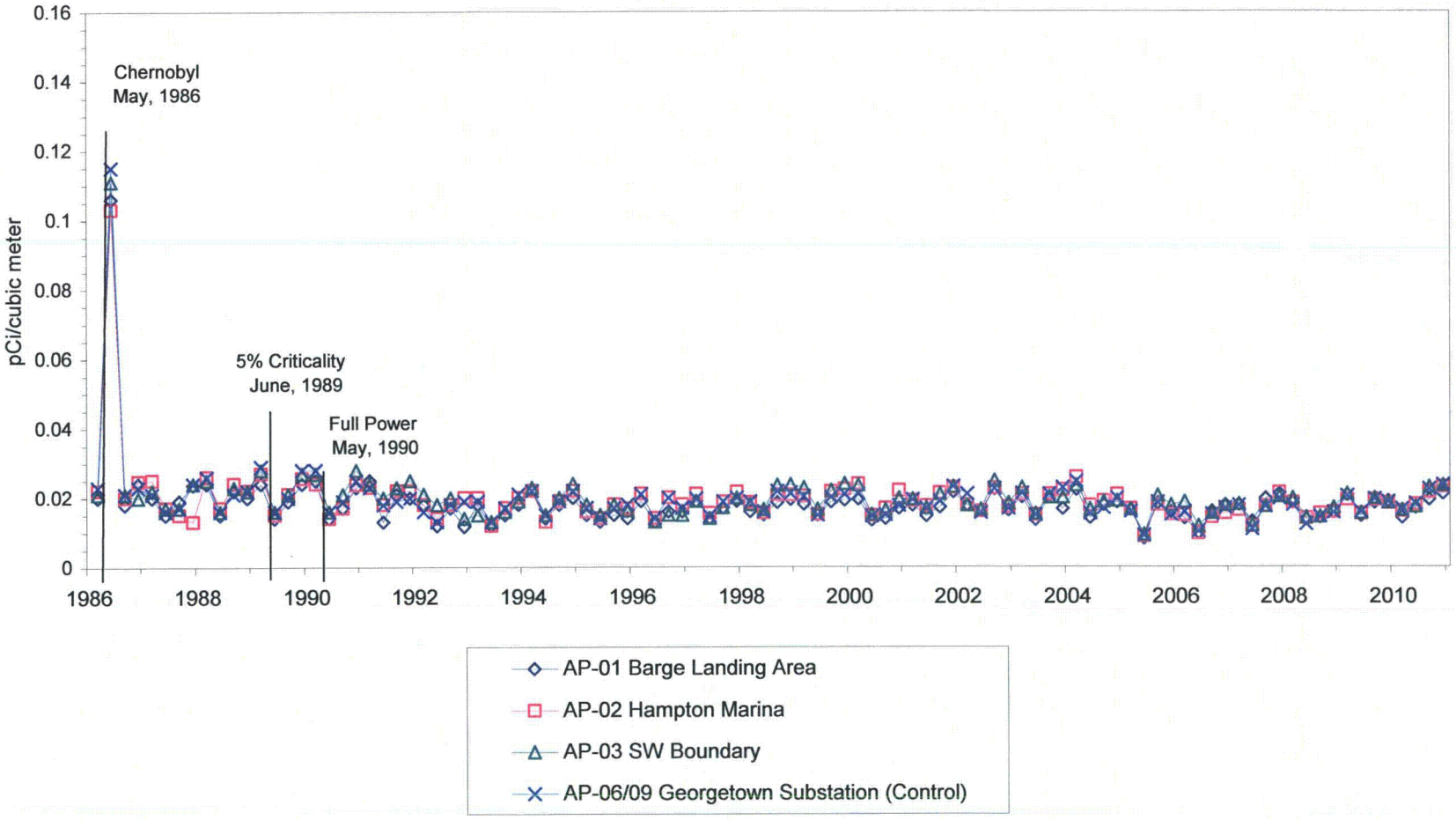


FIGURE 3.1.2

GROSS-BETA MEASUREMENTS OF AIR PARTICULATE FILTERS QUARTERLY AVERAGES
SEABROOK STATION

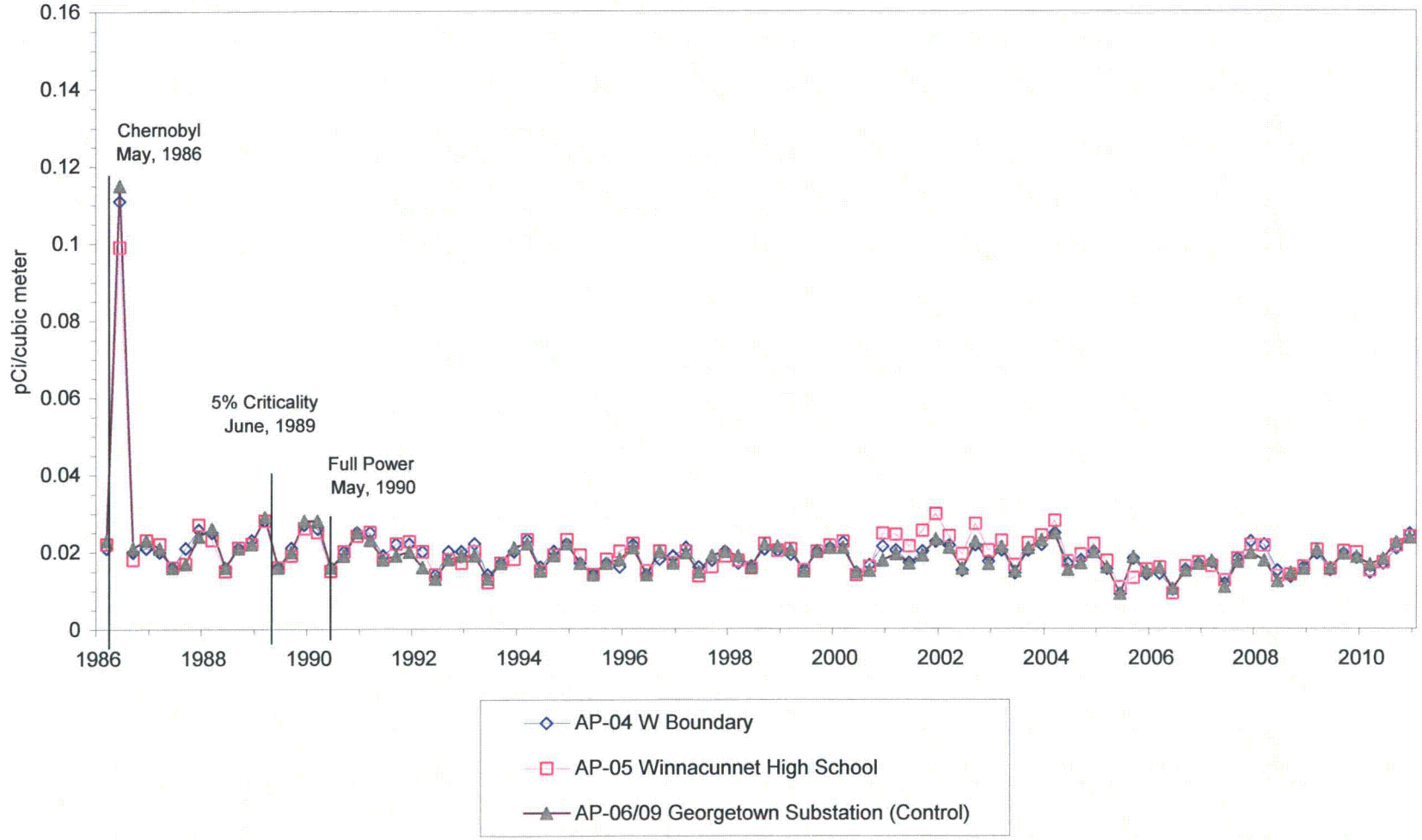


FIGURE 3.1.3

GROSS-BETA MEASUREMENTS OF AIR PARTICULATE FILTERS QUARTERLY AVERAGES
SEABROOK STATION

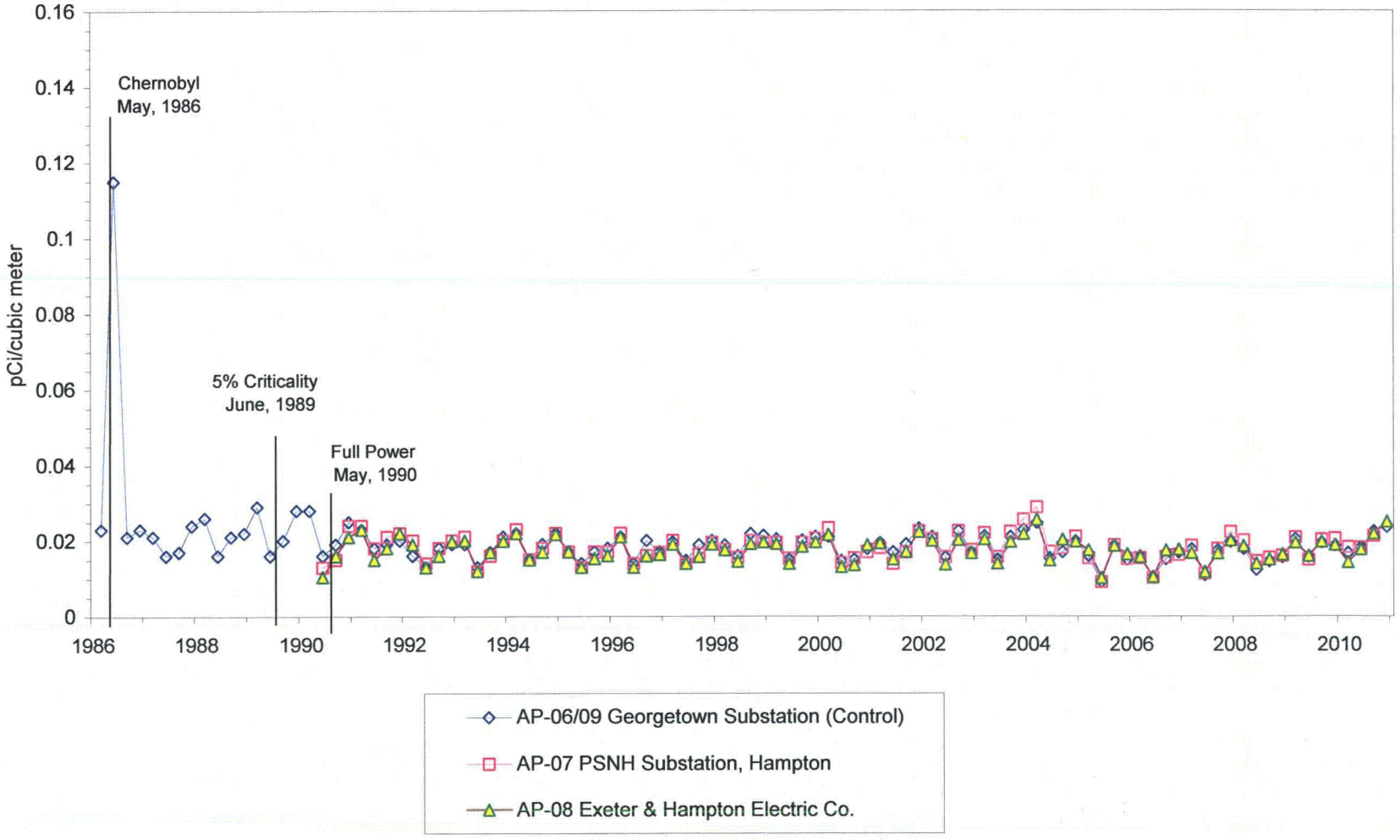


FIGURE 3.2

GROSS-BETA ON AIR PARTICULATE FILTERS
QUARTERLY AVERAGES
SEABROOK STATION

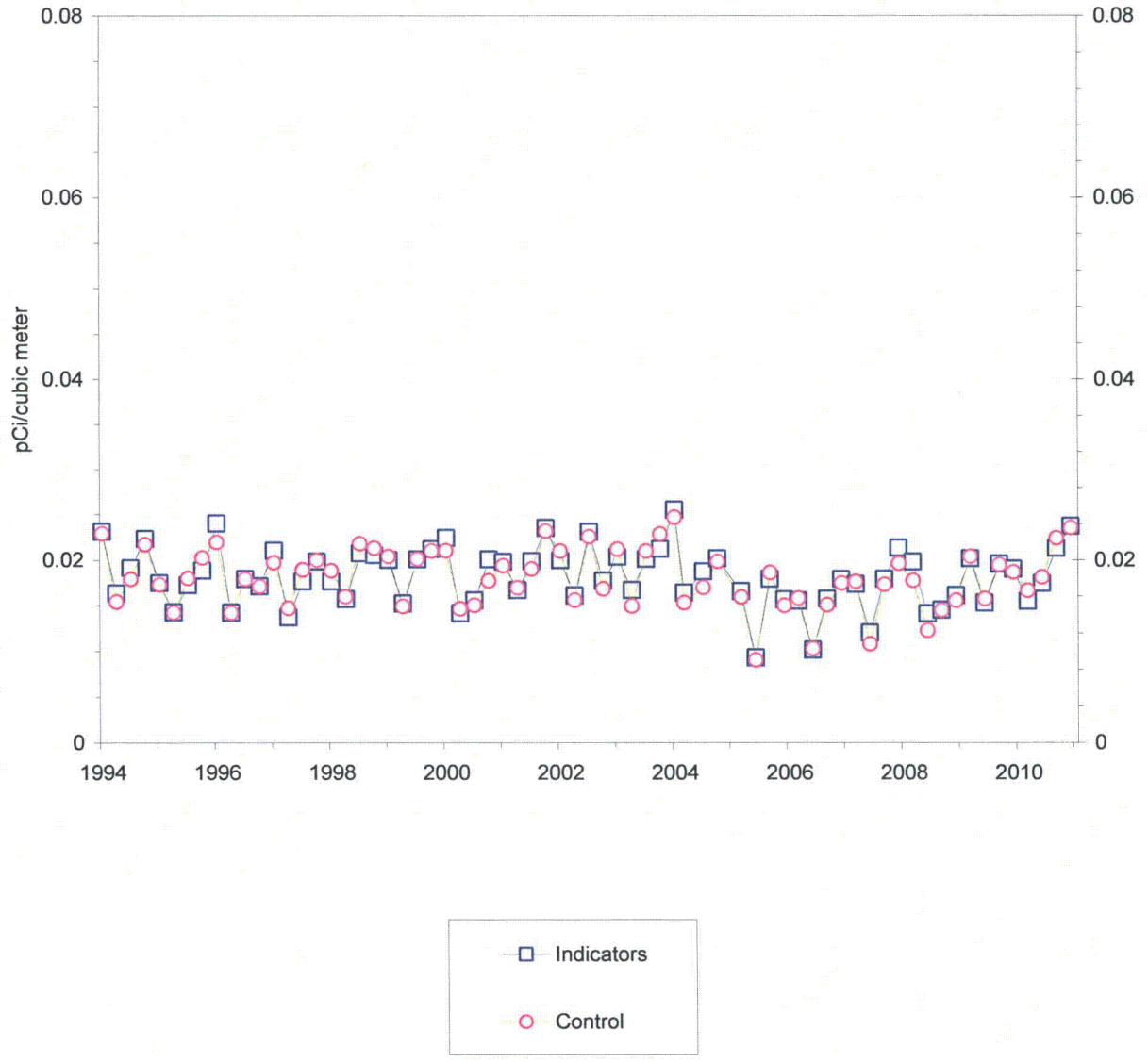


Table 3.1-1
Radiological Environmental Monitoring Program Summary
Seabrook Nuclear Power Station, Seabrook, NH
(January - December 2010)

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	(216)	0.01	1.9E -2	07	2.1E -2	2.0E -2
	(0)		(4.9 - 36.2)E -3 (189/ 190)		(1.0 - 3.3)E -2 (26/ 26)	(9.2 - 33.2)E -3 (26/ 26)
Be-7	(32)		1.1E -1	05	1.2E -1	1.2E -1
	(0)		(7.6 - 16.8)E -2 (28/ 28)		(9.4 - 16.8)E -2 (4/ 4)	(7.3 - 15.9)E -2 (4/ 4)
K-40	(24)		3.0E -3	04	7.7E -3	-1.5E -3
	(0)		(-3.9 - 13.6)E -3 (0/ 21)		(4.2 - 13.6)E -3 (0/ 3)	(-3.0 - -0.7)E -3 (0/ 3)
Cr-51	(32)		-3.2E -4	03	7.7E -3	3.4E -3
	(0)		(-1.4 - 1.8)E -2 (0/ 28)		(-6.0 - 184.0)E -4 (0/ 4)	(-9.9 - 19.0)E -3 (0/ 4)
Mn-54	(32)		5.3E -5	04	2.1E -4	-1.6E -4
	(0)		(-5.4 - 7.7)E -4 (0/ 28)		(4.0 - 53.0)E -5 (0/ 4)	(-5.6 - 1.3)E -4 (0/ 4)
Co-57	(32)		0.0E 0	02	1.1E -4	3.2E -5
	(0)		(-2.4 - 2.4)E -4 (0/ 28)		(5.0 - 24.0)E -5 (0/ 4)	(-3.0 - 15.0)E -5 (0/ 4)
Co-58	(32)		6.0E -5	04	4.4E -4	-2.2E -5
	(0)		(-9.3 - 16.4)E -4 (0/ 28)		(-6.7 - 16.4)E -4 (0/ 4)	(-4.9 - 2.3)E -4 (0/ 4)
Fe-59	(32)		1.8E -5	09	1.0E -3	1.0E -3
	(0)		(-3.7 - 2.3)E -3 (0/ 28)		(-2.0 - 16.2)E -4 (0/ 4)	(-2.0 - 16.2)E -4 (0/ 4)
Co-60	(32)		-2.3E -5	02	1.2E -4	-6.5E -5
	(0)		(-6.9 - 4.2)E -4 (0/ 28)		(-4.2 - 3.3)E -4 (0/ 4)	(-6.3 - 2.8)E -4 (0/ 4)
Zn-65	(32)		-8.7E -5	04	4.9E -4	1.4E -4
	(0)		(-1.0 - 1.2)E -3 (0/ 28)		(-2.0 - 8.9)E -4 (0/ 4)	(-9.0 - 38.0)E -5 (0/ 4)
Se-75	(32)		-9.5E -5	09	1.4E -4	1.4E -4
	(0)		(-1.0 - 0.6)E -3 (0/ 28)		(-1.0 - 32.0)E -5 (0/ 4)	(-1.0 - 32.0)E -5 (0/ 4)
Zr-95	(32)		4.2E -4	04	1.3E -3	-4.2E -4
	(0)		(-1.2 - 3.5)E -3 (0/ 28)		(2.6 - 35.0)E -4 (0/ 4)	(-8.3 - 5.1)E -4 (0/ 4)
Ru-103	(32)		-3.1E -5	08	6.4E -4	-1.9E -4
	(0)		(-7.4 - 18.3)E -4 (0/ 28)		(-4.9 - 18.3)E -4 (0/ 4)	(-1.3 - 0.6)E -3 (0/ 4)

* Non-Routine refers to those radionuclides that exceeded the Reporting Levels in ODCM Table A.9.1-3.
** The fraction of detectable measurements (i.e. >3 standard deviations with no uncertain identification) is shown in parentheses.

Table 3.1-1 (Continued)

Radiological Environmental Monitoring Program Summary
Seabrook Nuclear Power Station, Seabrook, NH
(January - December 2010)

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	Mean Range (No. Detected**)	Control Stations Mean Range (No. Detected**)
Ru-106	(32)		-5.4E -4	01	7.8E -5	-4.0E -4
	(0)		(-4.8 - 4.6)E -3 (0/ 28)		(-6.0 - 10.0)E -4 (0/ 4)	(-2.7 - 2.3)E -3 (0/ 4)
Ag-108m	(32)		0.0E 0	08	3.2E -4	1.5E -5
	(0)		(-5.5 - 4.3)E -4 (0/ 28)		(2.0 - 43.0)E -5 (0/ 4)	(-1.1 - 0.7)E -4 (0/ 4)
Ag-110m	(32)		-7.1E -5	04	3.1E -4	-6.0E -5
	(0)		(-7.7 - 9.9)E -4 (0/ 28)		(-5.0 - 99.0)E -5 (0/ 4)	(-5.7 - 2.9)E -4 (0/ 4)
Sb-124	(32)		0.0E 0	04	8.6E -4	-5.0E -4
	(0)		(-4.0 - 3.8)E -3 (0/ 28)		(0.0 - 1.7)E -3 (0/ 4)	(-2.0 - 1.2)E -3 (0/ 4)
Sb-125	(32)		-2.2E -5	01	3.9E -4	-2.1E -4
	(0)		(-1.3 - 1.2)E -3 (0/ 28)		(-2.3 - 11.9)E -4 (0/ 4)	(-7.7 - 7.8)E -4 (0/ 4)
I-131	(32)		-7.2E -3	03	4.1E -2	3.7E -3
	(0)		(-8.8 - 16.5)E -2 (0/ 28)		(-8.0 - 165.0)E -3 (0/ 4)	(-2.4 - 3.1)E -2 (0/ 4)
Cs-134	(32)	0.05	-1.7E -5	02	5.3E -5	-7.5E -5
	(0)		(-6.0 - 2.9)E -4 (0/ 28)		(-2.6 - 2.5)E -4 (0/ 4)	(-3.5 - 1.1)E -4 (0/ 4)
Cs-137	(32)	0.06	1.7E -5	03	2.2E -4	-1.7E -4
	(0)		(-4.1 - 4.4)E -4 (0/ 28)		(7.0 - 44.0)E -5 (0/ 4)	(-4.5 - 0.3)E -4 (0/ 4)
Ba-140	(32)		-5.1E -4	04	1.0E -2	2.6E -3
	(0)		(-2.6 - 2.1)E -2 (0/ 28)		(0.0 - 2.1)E -2 (0/ 4)	(-1.5 - 2.8)E -2 (0/ 4)
Ce-141	(32)		-1.8E -4	08	1.2E -3	2.6E -4
	(0)		(-2.7 - 1.9)E -3 (0/ 28)		(2.9 - 19.2)E -4 (0/ 4)	(-8.0 - 11.3)E -4 (0/ 4)
Ce-144	(32)		-1.4E -4	01	4.4E -4	-8.8E -4
	(0)		(-2.2 - 2.0)E -3 (0/ 28)		(-1.3 - 2.0)E -3 (0/ 4)	(-2.8 - 0.6)E -3 (0/ 4)
Th-228	(8)		9.7E -5	01	3.7E -4	1.6E -4
	(0)		(-1.8 - 3.7)E -4 (0/ 7)		(0/ 1)	(0/ 1)
Th-232	(32)		5.2E -4	08	8.8E -4	1.5E -4
	(0)		(-1.0 - 3.1)E -3 (0/ 28)		(3.0 - 12.5)E -4 (0/ 4)	(-3.0 - 4.3)E -4 (0/ 4)

* Non-Routine refers to those radionuclides that exceeded the Reporting Levels in ODCM Table A.9.1-3.
** The fraction of detectable measurements (i.e. >3 standard deviations with no uncertain identification) is shown in parentheses.

3.2 Charcoal Filters

Charcoal filter (CF) cartridges are in series behind the air particulate glass-fiber filters at each of the air sampling locations. Monitoring stations were established at a total of eight locations. Seven of these are indicators and one is a control. Charcoal filters from the air sampling stations were collected and analyzed for I-131 activity to a lower limit of detection (LLD) of 0.07 pCi/m^3.

During 2010, a total of 216 charcoal cartridges from eight locations were analyzed. As described for the air particulate samplers (see Section 3.1), the collection cycles for the charcoal filters were typically biweekly during 2010, though individual stations ran for weekly cycles if the associated particulate filter indicated excessive dust loading (see Section 3.1). At the time of switching from a one week to a two week change-out cycle in 2005, an iodine decay analysis compared a 1-week vs. 2-week air sampling collection time to the detection sensitivity of iodine-131. For the assumption of chronic air concentrations of I-131, the longer collection time results in a higher total deposition of I-131 that remains on the cartridge at counting time and, therefore, an MDA (Minimum Detectable Activity) equal to or better than the 1-week cycle. For potential short duration releases of I-131, a modest increase in sampler flow rate (to approximately 1.8 SCFM) provides for a higher iodine collection factor per unit time. This higher collection factor compensates for the decay losses due to the longer turn-around time with a 2-week change-out cycle such that the effective detection capability remains about the same.

No sample analysis indicated a detectable measurement for I-131 that was statistically relevant (positive) at the air sampling locations stated in the ODCM.

The REMP program through 2010 has not detected radio-iodine at any offsite air sample location since Seabrook Station's initial criticality of June 1989. The pre-operational data for I-131 are consistent with present data. Therefore, no increasing or decreasing trends were observed. The potential organ doses from iodine in gaseous effluents if assumed to be released at the MDA are well below the 10CFR50, Appendix I dose criteria.

The REMP Summary Table 3.2-1 list the range of analysis results for iodine (I-131) at both Indicator and Control Stations. Attachment 1 to this report lists the individual analysis results for each air sample measurement under the Sample Type code CF.

Charcoal filter sample collection and analysis deviations from the ODCM required program are described in Section 5.

Table 3.2-1
Radiological Environmental Monitoring Program Summary
Seabrook Nuclear Power Station, Seabrook, NH
(January - December 2010)

MEDIUM: Charcoal Cartridge (CF) 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**)
I-131	(216)	0.07	3.3E -4	04	1.4E -3	-1.1E -4
	(0)		(-2.3 - 2.0)E -2		(-9.0 - 20.0)E -3	(-9.4 - 4.2)E -3
			(0/ 190)		(0/ 26)	(0/ 26)

* Non-Routine refers to those radionuclides that exceeded the Reporting Levels in ODCM Table A.9.1-3.
** The fraction of detectable measurements (i.e. >3 standard deviations with no uncertain identification) is shown in parentheses.

3.3 Milk

Milk samples (TM) were collected semi-monthly during the pasture season and monthly at other times. Samples are analyzed for low level I-131 and gamma-emitting radionuclides.

The ODCM (Table A.9.1-1) requires that milk samples be collected from three locations within 5 km of the plant having the highest dose potential. If there are none, then one sample from milking animals in each of three areas between 5 to 8 km distances where the doses are calculated to be greater than 1 mrem/yr. Due to the limited inventory of milk animals in the site area, as reconfirmed by the 2010 Land Use Census, the number of available sample locations required by the ODCM sampling program could not be met (insufficient numbers of milk animals within 5 km, and only one milk location between 5 and 8 km). The Land Use Census (See Section 7.0) identified two new milk (goat) locations within 5 km, but each location had insufficient availability of milk supply to allow their inclusion into the REMP. The ODCM allows for broad leaf vegetation samples to be collected if milk sampling is not performed in accordance to the REMP requirements. As a result, two site boundary and one control vegetation collection locations are sampled to compensate for the limited milk (see Section 3.12).

The Land Use Census also identified a milk (goat) location situated 8.1 km, NW, just beyond the ODCM required 8.0 km maximum distance for indicator milk sampling sites. This location (designated TM-24) also has limited number of milking animals and has indicated that it could not provide a reliable source of milk throughout the year. Twelve samples were collected over 7 months in 2010 while milk supplies were available. Due to the distance and limited availability of milk, TM-24 does not qualify as an ODCM defined indicator sampling site.

A total of 32 milk samples were collected during the year from available locations. Each sample was analyzed for gamma emitting radionuclides. In addition, all samples were evaluated for low levels of I-131 through an iodine extraction process. The gamma analyses on samples indicated that naturally occurring potassium-40 was detectable in all milk samples in 2010. Also detected in 10 milk samples was Cs-137 at an average concentration of 8.76 pCi/kg (positive measurements only) which falls in the range of past and pre-operational measurements. Location TM-15 (goat milk, 6.9 km NW) was observed with the highest single Cs-137 analysis result in 2010 of 19.4 pCi/kg. The average Cs-137 concentration at TM-15 for 2010 was 4.7 pCi/kg (all measurements included) which was similar to the other indicator location TM-24 (3.0 pCi/kg) and past levels as seen on Figure 3.3.2. In addition, no other terrestrial samples collected in the site area found Cs-137, nor was any detectable Cs-137 reported in plant gaseous effluents during 2010. Figures 3.3.1 and 3.3.2 illustrate the Cs-137 analysis from previous years, including periods prior to plant operations. Past detection of Cs-137 is attributed to atmospheric nuclear weapons testing that persist in the environment based on similar measurements during the pre-operational period of the REMP. Figures 3.3, 3.3.1 and 3.3.2 illustrate the analysis results (without regard to whether individual analysis indicated detectable or statistically not distinguishable concentrations) for Cs-137 in milk over the current year (2010) and previous years.

Potassium-40 was detected in all indicator and control location samples. Potassium-40 is a naturally occurring nuclide detected in many environmental sample media.

Iodine-131 was not positively identified at any location for the year. This is consistent with previous years for both the pre-operational and operational phases of the program. The samples met the Lower Limit of Detection (LLD) requirements (1 pCi/kg) for I-131 in milk. No increasing or decreasing trends in the radioactivity content of milk were observed.

The postulated maximum organ dose associated with Cs-137 in milk was conservatively estimated to be only 1.6 mrem/year (infant liver). This estimate assumes that the entire year's intake was at a Cs-137 concentration equal to the average of the 10 positive samples (8.76 pCi/kg) collected out of the 32 total milk samples for the year. The assumed ingestion rate was taken from Regulatory Guide 1.109, Rev. 1, Table E-5 for the maximum exposed individual.

The REMP Summary Table 3.3-1 lists the range of analysis results by radionuclide for Indicator and Control Stations for the milk. Attachment 1 to this report lists the individual analysis results for each measurement of milk under the Sample Type code TM. Section 5.1 identifies the losses in milk sampling during 2010 due to milk farms going out of business, or non-availability of current supplies.

FIGURE 3.3

CESIUM-137 IN MILK
SEABROOK STATION

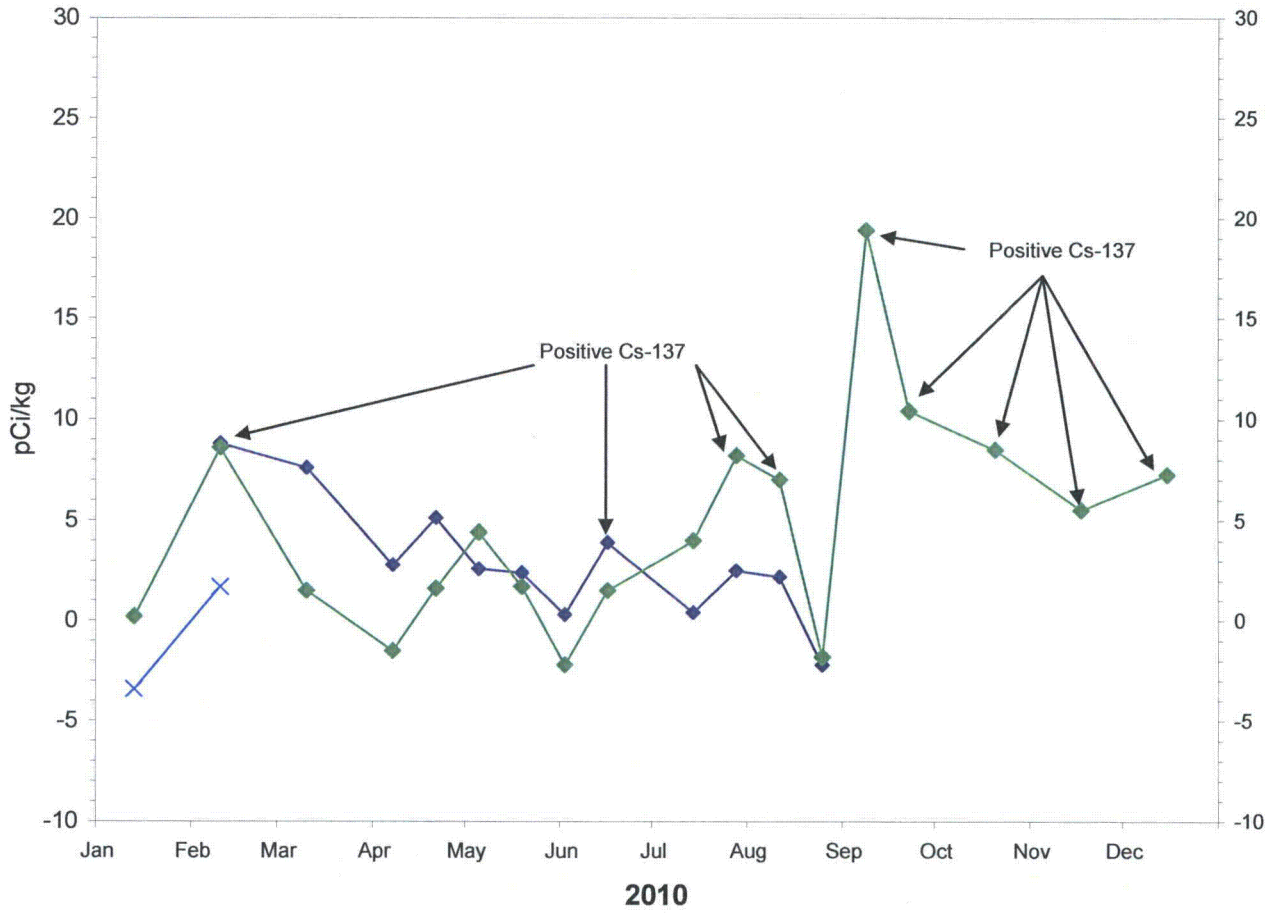


FIGURE 3.3.1

CESIUM-137 IN MILK
ANNUAL AVERAGE CONCENTRATIONS

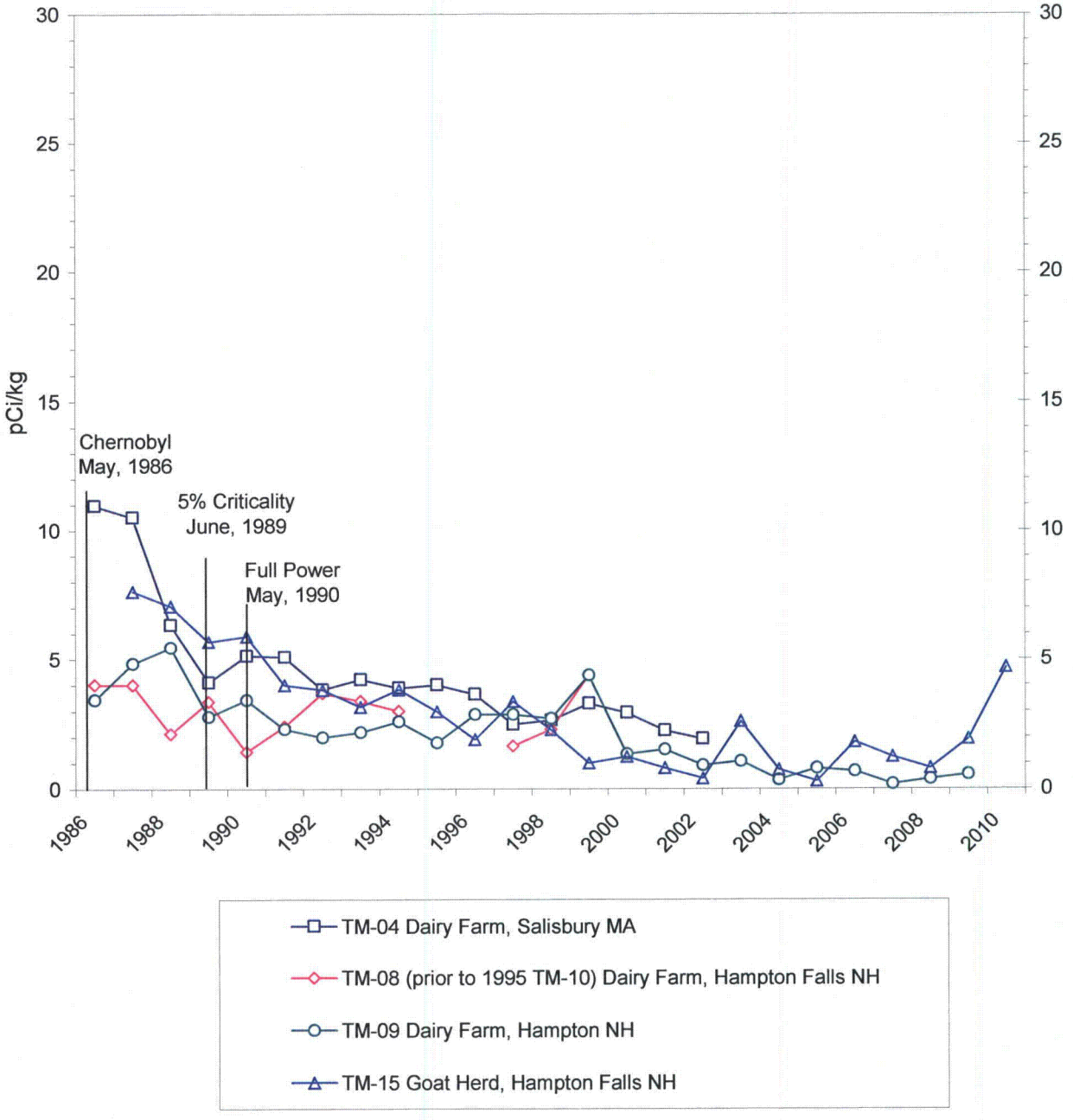


FIGURE 3.3.2

CESIUM-137 IN MILK
ANNUAL AVERAGE CONCENTRATIONS

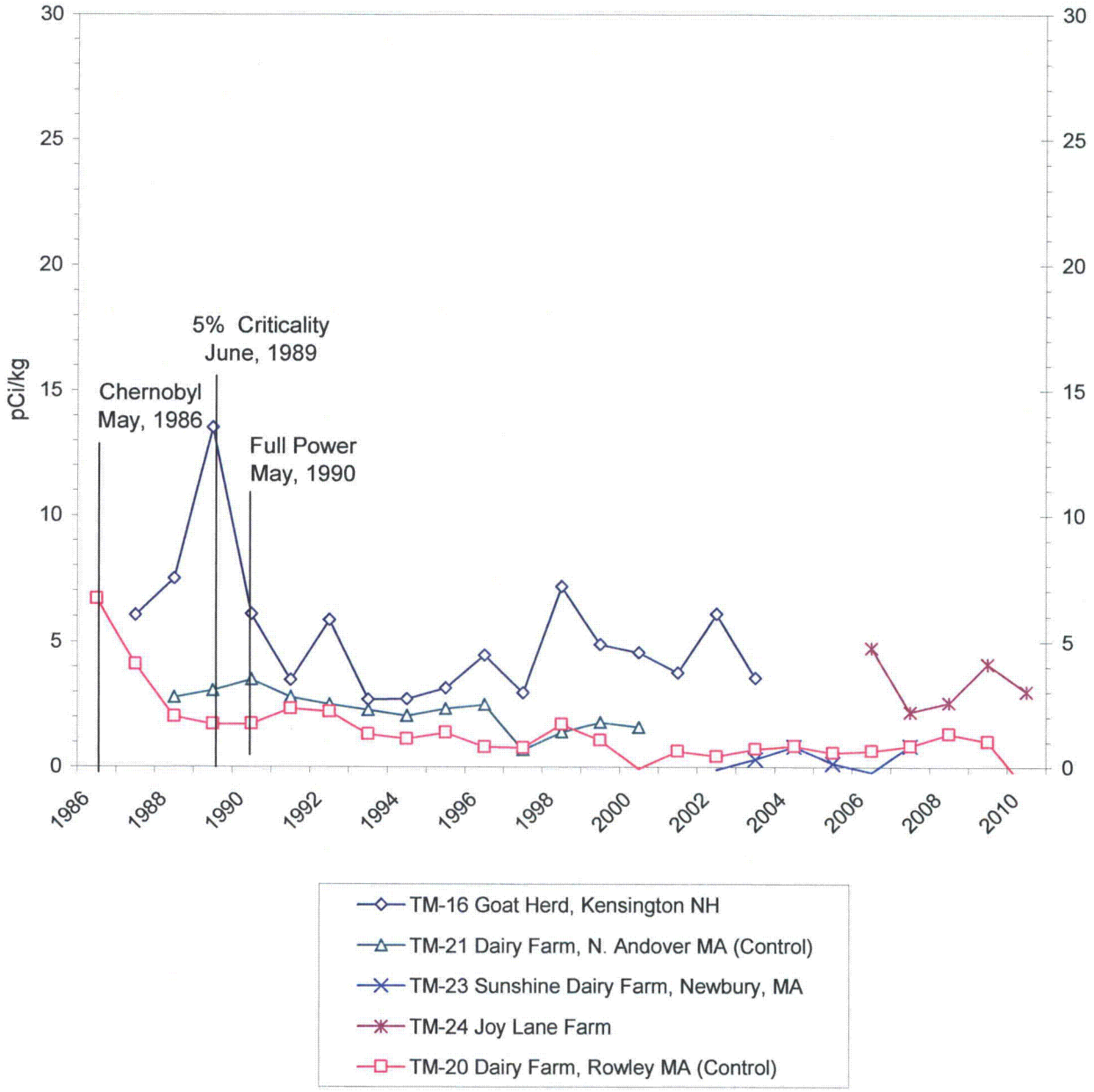


Table 3.3-1

Radiological Environmental Monitoring Program Summary
Seabrook Nuclear Power Station, Seabrook, NH
(January - December 2010)

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**)
Be-7	(32)		-3.5E 0	20	6.5E 0	6.5E 0
	(0)		(-4.1 - 2.0)E 1		(-7.0 - 20.0)E 0	(-7.0 - 20.0)E 0
			(0/ 30)		(0/ 2)	(0/ 2)
K-40	(32)		1.7E 3	24	1.7E 3	1.3E 3
	(0)		(1.2 - 1.9)E 3		(1.5 - 1.9)E 3	(1.2 - 1.4)E 3
			(30/ 30)		(12/ 12)	(2/ 2)
Cr-51	(32)		-1.4E 0	20	2.6E 1	2.6E 1
	(0)		(-4.5 - 3.4)E 1		(1.8 - 3.3)E 1	(1.8 - 3.3)E 1
			(0/ 30)		(0/ 2)	(0/ 2)
Mn-54	(32)		1.4E -1	15	2.4E -1	1.5E -1
	(0)		(-3.8 - 4.8)E 0		(-2.5 - 4.8)E 0	(-2.0 - 5.0)E -1
			(0/ 30)		(0/ 18)	(0/ 2)
Co-57	(32)		1.2E -1	24	6.6E -1	-1.1E 0
	(0)		(-3.0 - 3.5)E 0		(-1.2 - 3.5)E 0	(-1.4 - -0.9)E 0
			(0/ 30)		(0/ 12)	(0/ 2)
Co-58	(32)		-6.2E -1	20	2.0E -1	2.0E -1
	(0)		(-3.5 - 3.6)E 0		(-1.7 - 2.1)E 0	(-1.7 - 2.1)E 0
			(0/ 30)		(0/ 2)	(0/ 2)
Fe-59	(32)		-5.6E -1	24	2.5E 0	-1.3E 1
	(0)		(-7.3 - 11.0)E 0		(-3.8 - 11.0)E 0	(-1.3 - -1.3)E 1
			(0/ 30)		(0/ 12)	(0/ 2)
Co-60	(32)		-4.5E -1	20	1.5E -1	1.5E -1
	(0)		(-6.8 - 3.9)E 0		(-1.8 - 2.1)E 0	(-1.8 - 2.1)E 0
			(0/ 30)		(0/ 2)	(0/ 2)
Zn-65	(32)		-3.5E 0	15	-3.1E 0	-5.3E 0
	(0)		(-1.7 - 0.7)E 1		(-8.8 - 5.1)E 0	(-1.3 - 0.2)E 1
			(0/ 30)		(0/ 18)	(0/ 2)
Se-75	(32)		4.5E -1	24	1.1E 0	-1.3E 0
	(0)		(-4.7 - 7.8)E 0		(-3.6 - 7.8)E 0	(-2.9 - 0.4)E 0
			(0/ 30)		(0/ 12)	(0/ 2)
Zr-95	(32)		-8.4E -1	24	-4.2E -1	-2.1E 0
	(0)		(-7.1 - 4.8)E 0		(-5.2 - 4.5)E 0	(-2.5 - -1.8)E 0
			(0/ 30)		(0/ 12)	(0/ 2)
Ru-103	(32)		-1.9E 0	20	1.0E -1	1.0E -1
	(0)		(-1.2 - 0.2)E 1		(-1.9 - 2.1)E 0	(-1.9 - 2.1)E 0
			(0/ 30)		(0/ 2)	(0/ 2)

* Non-Routine refers to those radionuclides that exceeded the Reporting Levels in ODCM Table A.9.1-3.
** The fraction of detectable measurements (i.e. >3 standard deviations with no uncertain identification) is shown in parentheses.

Table 3.3-1 (Continued)

Radiological Environmental Monitoring Program Summary
Seabrook Nuclear Power Station, Seabrook, NH
(January - December 2010)

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**)
Ru-106	(32)		-1.7E 0	24	-1.3E -1	-1.5E 0
	(0)		(-5.9 - 2.6)E 1 (0/ 30)		(-5.9 - 2.6)E 1 (0/ 12)	(-1.3 - 1.0)E 1 (0/ 2)
Ag-108m	(32)		-2.1E -1	20	1.3E 0	1.3E 0
	(0)		(-3.0 - 2.5)E 0 (0/ 30)		(9.0 - 17.0)E -1 (0/ 2)	(9.0 - 17.0)E -1 (0/ 2)
Ag-110m	(32)		-5.4E -1	15	-4.3E -1	-1.5E 0
	(0)		(-6.5 - 6.0)E 0 (0/ 30)		(-5.5 - 6.0)E 0 (0/ 18)	(-2.5 - -0.4)E 0 (0/ 2)
Sb-124	(32)		-6.1E -1	24	1.4E -1	-2.3E 0
	(0)		(-1.3 - 1.0)E 1 (0/ 30)		(-5.6 - 9.8)E 0 (0/ 12)	(-5.6 - 1.0)E 0 (0/ 2)
Sb-125	(32)		1.4E 0	24	4.4E 0	-3.8E 0
	(0)		(-7.7 - 10.8)E 0 (0/ 30)		(-1.3 - 10.8)E 0 (0/ 12)	(-5.0 - -2.5)E 0 (0/ 2)
I-131	(32)	1	7.3E -2	15	1.1E -1	-2.0E -2
	(0)		(-2.1 - 5.7)E -1 (0/ 30)		(-1.3 - 3.9)E -1 (0/ 18)	(-7.9 - 4.0)E -2 (0/ 2)
Cs-134	(32)	15	-4.2E -1	20	2.0E -1	2.0E -1
	(0)		(-3.1 - 2.1)E 0 (0/ 30)		(-4.0 - 8.0)E -1 (0/ 2)	(-4.0 - 8.0)E -1 (0/ 2)
Cs-137	(32)	18	4.0E 0	15	4.7E 0	-8.5E -1
	(0)		(-2.2 - 19.4)E 0 (10/ 30)		(-2.2 - 19.4)E 0 (8/ 18)	(-3.4 - 1.7)E 0 (0/ 2)
Ba-140	(32)	15	8.3E -1	24	1.4E 0	-1.7E 0
	(0)		(-4.1 - 8.0)E 0 (0/ 30)		(-3.9 - 7.1)E 0 (0/ 12)	(-2.1 - -1.3)E 0 (0/ 2)
Ce-141	(32)		-1.2E 0	15	-9.3E -1	-2.9E 0
	(0)		(-1.1 - 0.7)E 1 (0/ 30)		(-8.9 - 5.3)E 0 (0/ 18)	(-4.5 - -1.2)E 0 (0/ 2)
Ce-144	(32)		1.5E 0	24	4.6E 0	0.0E 0
	(0)		(-2.0 - 3.1)E 1 (0/ 30)		(-7.9 - 31.0)E 0 (0/ 12)	(0.0 - 0.0)E 0 (0/ 2)
Th-228	(6)		-1.1E -1	15	-1.1E -1	NO DATA
	(0)		(-6.9 – 5.8)E 0 (0/ 6)		(-6.9 – 5.8)E 0 (0/ 6)	
Th-232	(29)		2.2E 0	20	4.7E 0	4.7E 0
	(0)		(-2.4 - 3.0)E 1 (0/ 27)		(3.5 - 5.9)E 0 (0/ 2)	(3.5 - 5.9)E 0 (0/ 2)

* Non-Routine refers to those radionuclides that exceeded the Reporting Levels in ODCM Table A.9.1-3.
** The fraction of detectable measurements (i.e. >3 standard deviations with no uncertain identification) is shown in parentheses.

3.4 Surface Water

Surface water (seawater - WS) grab samples are required at two locations (control and indicator) monthly. The indicator (WS-01) is over the vicinity of the plant's submerged discharge structure. The control location (WS-51) is situated in Ipswich Bay, MA, approximately 16.9 km from the plant. A gamma analysis is performed on each sample. A tritium analysis is performed on the quarterly composite of samples from each ODCM required location. Additional samples were collected from the Seabrook Marsh (WS-02) which borders the immediate plant property. The marsh samples are intended to provide indication of any ground water movement across the site area that might carry contamination into the surface waters of the marsh. Each of these samples is analyzed for both gamma emitters and tritium.

For the 2010, a total of 26-gamma analyses were performed on surface water samples. The only radionuclide detected in 2010 was naturally occurring K-40. No plant-related nuclides were detected. The present data for gamma emitters in seawater is consistent with that of the pre-operational program and previous years of operations. Therefore, no increasing or decreasing trends were observed.

Quarterly composites for the required off-shore locations (Stations WS-01 and WS-51) were analyzed for tritium. A total of 8 off-shore samples (composites) were analyzed in 2010, plus two additional samples from the non-ODCM required location (WS-02) situated approximately 600 feet SSE from the Containment Building in Seabrook Marsh. The quarterly composites and WS-02 sample showed no indication of tritium. All samples met the required minimum LLD (3000 pCi/kg) for tritium in seawater. These results are consistent with pre-operational tritium data. The achieved Minimum Detectable Concentration (MDC) for the quarterly off-shore composite samples averaged 1185 pCi/kg, while the individual marsh area sample from WS-02 had an MDC of 344 pCi/kg.

The calculated dose as the result of plant effluents is not evaluated due to the fact that no plant-related radionuclides were or have been detected in the past. Therefore, no increasing or decreasing trends in dose were observed. This sampling program demonstrates that there is no impact to the public or environment, through this pathway, from plant operations.

The REMP Summary Table 3.4-1 lists the range of analysis results by radionuclide for Indicator and Control Stations for the sea water environmental media. Attachment 1 to this report lists the individual analysis results for each measurement of sea water under the Sample Type code WS.

Any sample collection and analysis deviations from the ODCM required program, or reportable concentrations that may have occurred during the year are described in Section 5.

Table 3.4-1

Radiological Environmental Monitoring Program Summary
Seabrook Nuclear Power Station, Seabrook, NH
(January - December 2010)

MEDIUM: Sea Water (WS) 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**)
H-3	(9)	3000	-5.0E 1	02	1.1E 2	-8.5E 1
	(0)		(-6.6 - 4.7)E 2			(-2.1 - 0.0)E 2
			(0/ 5)		(0/ 1)	(0/ 4)
Be-7	(26)		6.1E -1	02	5.6E 0	-6.5E -1
	(0)		(-1.4 - 1.4)E 1		(-2.8 - 13.9)E 0	(-1.2 - 1.8)E 1
			(0/ 14)		(0/ 2)	(0/ 12)
K-40	(26)		2.9E 2	01	3.1E 2	2.8E 2
	(0)		(1.0 - 3.6)E 2		(2.7 - 3.6)E 2	(8.9 - 34.7)E 1
			(14/ 14)		(12/ 12)	(11/ 12)
Cr-51	(26)		-1.1E 0	02	6.2E 0	-1.1E 0
	(0)		(-1.5 - 1.6)E 1		(3.7 - 8.6)E 0	(-2.8 - 1.4)E 1
			(0/ 14)		(0/ 2)	(0/ 12)
Mn-54	(26)	15	-7.6E -2	01	4.0E -2	-1.8E -1
	(0)		(-1.5 - 1.4)E 0		(-1.1 - 1.4)E 0	(-2.1 - 2.1)E 0
			(0/ 14)		(0/ 12)	(0/ 12)
Co-57	(26)		5.5E -2	02	2.6E -1	-5.8E -1
	(0)		(-9.1 - 6.7)E -1		(1.7 - 3.5)E -1	(-2.0 - 1.1)E 0
			(0/ 14)		(0/ 2)	(0/ 12)
Co-58	(26)	15	-6.0E -1	51	5.6E -3	5.6E -3
	(0)		(-2.0 - 0.7)E 0		(-2.9 - 1.5)E 0	(-2.9 - 1.5)E 0
			(0/ 14)		(0/ 12)	(0/ 12)
Fe-59	(26)	30	-2.4E -1	01	-2.3E -1	-5.1E -1
	(0)		(-3.2 - 3.5)E 0		(-3.2 - 3.5)E 0	(-9.9 - 2.1)E 0
			(0/ 14)		(0/ 12)	(0/ 12)
Co-60	(26)	15	-9.7E -2	02	1.6E -1	-1.5E -1
	(0)		(-1.9 - 1.1)E 0		(-5.1 - 8.3)E -1	(-2.1 - 3.2)E 0
			(0/ 14)		(0/ 2)	(0/ 12)
Zn-65	(26)	30	-2.4E 0	51	-2.3E 0	-2.3E 0
	(0)		(-7.4 - 0.1)E 0		(-9.9 - 3.5)E 0	(-9.9 - 3.5)E 0
			(0/ 14)		(0/ 12)	(0/ 12)
Se-75	(26)		-7.1E -2	51	2.8E -1	2.8E -1
	(0)		(-2.1 - 1.5)E 0		(-2.6 - 3.1)E 0	(-2.6 - 3.1)E 0
			(0/ 14)		(0/ 12)	(0/ 12)
Zr-95	(26)	15	8.1E -1	02	1.8E 0	4.1E -1
	(0)		(-3.9 - 3.8)E 0		(8.1 - 28.0)E -1	(-3.3 - 7.3)E 0
			(0/ 14)		(0/ 2)	(0/ 12)

* Non-Routine refers to those radionuclides that exceeded the Reporting Levels in ODCM Table A.9.1-3.
** The fraction of detectable measurements (i.e. >3 standard deviations with no uncertain identification) is shown in parentheses.

Table 3.4-1 (Continued)

Radiological Environmental Monitoring Program Summary

Seabrook Nuclear Power Station, Seabrook, NH

(January - December 2010)

MEDIUM: Sea Water (WS) 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**)
Ru-103	(26)		-1.5E 0	51	-1.0E 0	-1.0E 0
	(0)		(-3.8 - -0.3)E 0		(-3.6 - 1.6)E 0	(-3.6 - 1.6)E 0
			(0/ 14)		(0/ 12)	(0/ 12)
Ru-106	(26)		-4.4E 0	02	1.7E 0	-9.8E -1
	(0)		(-4.0 - 1.7)E 1		(1.0 - 32.6)E -1	(-2.9 - 2.1)E 1
			(0/ 14)		(0/ 2)	(0/ 12)
Ag-108m	(26)		-3.2E -3	01	6.9E -2	-7.8E -2
	(0)		(-1.6 - 1.7)E 0		(-1.6 - 1.7)E 0	(-1.8 - 0.7)E 0
			(0/ 14)		(0/ 12)	(0/ 12)
Ag-110m	(26)		3.3E -1	01	5.2E -1	-3.5E -1
	(0)		(-1.5 - 2.7)E 0		(-7.9 - 27.0)E -1	(-3.0 - 1.6)E 0
			(0/ 14)		(0/ 12)	(0/ 12)
Sb-124	(26)		2.7E -1	01	6.7E -1	-4.8E -2
	(0)		(-4.4 - 6.8)E 0		(-4.4 - 6.8)E 0	(-5.2 - 4.2)E 0
			(0/ 14)		(0/ 12)	(0/ 12)
Sb-125	(26)		1.0E 0	01	1.2E 0	-2.6E -1
	(0)		(-3.3 - 9.0)E 0		(-3.3 - 9.0)E 0	(-7.0 - 3.4)E 0
			(0/ 14)		(0/ 12)	(0/ 12)
I-131	(26)	15	-1.4E 0	51	-1.4E -1	-1.4E -1
	(0)		(-4.8 - 1.6)E 0		(-4.1 - 4.2)E 0	(-4.1 - 4.2)E 0
			(0/ 14)		(0/ 12)	(0/ 12)
Cs-134	(26)	15	5.4E -2	02	3.9E -1	-2.4E -1
	(0)		(-8.8 - 8.0)E -1		(2.9 - 4.9)E -1	(-1.6 - 0.9)E 0
			(0/ 14)		(0/ 2)	(0/ 12)
Cs-137	(26)	18	-9.8E -2	51	3.8E -2	3.8E -2
	(0)		(-2.2 - 1.3)E 0		(-2.9 - 2.5)E 0	(-2.9 - 2.5)E 0
			(0/ 14)		(0/ 12)	(0/ 12)
Ba-140	(26)	15	-5.3E -1	51	9.6E -1	9.6E -1
	(0)		(-6.8 - 7.0)E 0		(-7.8 - 7.3)E 0	(-7.8 - 7.3)E 0
			(0/ 14)		(0/ 12)	(0/ 12)
Ce-141	(26)		7.6E -1	01	1.1E 0	-1.6E 0
	(0)		(-2.3 - 8.1)E 0		(-2.3 - 8.1)E 0	(-5.5 - 2.9)E 0
			(0/ 14)		(0/ 12)	(0/ 12)
Ce-144	(26)		1.3E 0	01	2.1E 0	3.1E -1
	(0)		(-7.1 - 12.0)E 0		(-7.1 - 12.0)E 0	(-2.5 - 2.5)E 1
			(0/ 14)		(0/ 12)	(0/ 12)

* Non-Routine refers to those radionuclides that exceeded the Reporting Levels in ODCM Table A.9.1-3.

** The fraction of detectable measurements (i.e. >3 standard deviations with no uncertain identification) is shown in parentheses

Table 3.4-1 (Continued)

Radiological Environmental Monitoring Program Summary
Seabrook Nuclear Power Station, Seabrook, NH
(January - December 2010)

MEDIUM: Sea Water (WS) 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**)
Pb-212	(7)		2.1E 0	01	2.1E 0	1.5E 0
	(0)		(1.0 - 3.0)E 0 (0/ 4)		(1.0 - 3.0)E 0 (0/ 3)	(-3.2 - 5.0)E 0 (0/ 3)
Bi-214	(14)		-1.9E -1	51	7.6E -1	7.6E -1
	(0)		(-3.3 - 4.4)E 0 (0/ 8)		(-5.5 - 5.9)E 0 (0/ 6)	(-5.5 - 5.9)E 0 (0/ 6)
Th-228	(14)		2.5E -1	51	2.7E 0	2.7E 0
	(0)		(-6.8 – 4.7)E 0 (0/ 8)		(-3.2 – 7.3)E 0 (0/ 6)	(-3.2 – 7.3)E 0 (0/ 6)
Th-232	(19)		-4.1E 0	51	6.7E -1	6.7E -1
	(0)		(-1.3 - 0.3)E 1 (0/ 10)		(-9.0 - 9.3)E 0 (0/ 9)	(-9.0 - 9.3)E 0 (0/ 9)

* Non-Routine refers to those radionuclides that exceeded the Reporting Levels in ODCM Table A.9.1-3.
** The fraction of detectable measurements (i.e. >3 standard deviations with no uncertain identification) is shown in parentheses.

3.5 Ground Water

There is no requirement in the ODCM to collect ground water (WG) samples. For the year, quarterly ground water samples were collected when available from three locations. These samples were collected from the town water line (WG-01) supplied to the Site (by the Town of Seabrook), from an inactive well (WG-13) located approximately 1 km north of the plant, and from a private well 1.3 km NNW (WG-14). For 2010, a total of 12 samples were collected. All samples were analyzed for gross-beta activity, gamma-emitters and tritium.

Gross beta activity was detected in nine of the twelve samples due to naturally occurring radium and its daughter products. The gross beta activity seen at all three locations are similar to what was seen in the pre-operational program and is consistent with results from previous years of commercial operations. Figures 3.5 and 3.5.1 indicate the current year (2010) and the long-term measurement history for gross beta in well waters. No tritium or plant-related gamma emitters were detected in any of the ground water samples collected during the year. In the fourth quarter of 2010, the change in environmental analysis laboratories from the AREVA Environmental Laboratory to GEL Laboratories, Inc., also marked the expanded search for naturally occurring radionuclides as reference characteristics of the media being evaluated. From this, an expanded list of isotopes for Lead, Bismuth and Thorium are included in the standard analysis spectrum. Table 3.5-1 identifies the results of the search for these reference radionuclides.

The calculated dose is not evaluated due to the fact that plant-related radionuclides have not been detected. Therefore no increasing or decreasing trends were observed. There is no impact to the public, through this pathway, from plant operations.

The REMP Summary Table 3.5-1 list the range of analysis results by radionuclide for all ground water environmental samples. Attachment 1 to this report lists the individual analysis results for each measurement of ground water under the Sample Type code WG.

Any sample collection and analysis deviations from the ODCM required program, or reportable concentrations that may have occurred during the year are described in Section 5.

FIGURE 3.5

GROSS-BETA MEASUREMENTS OF GROUND WATER
SEABROOK STATION

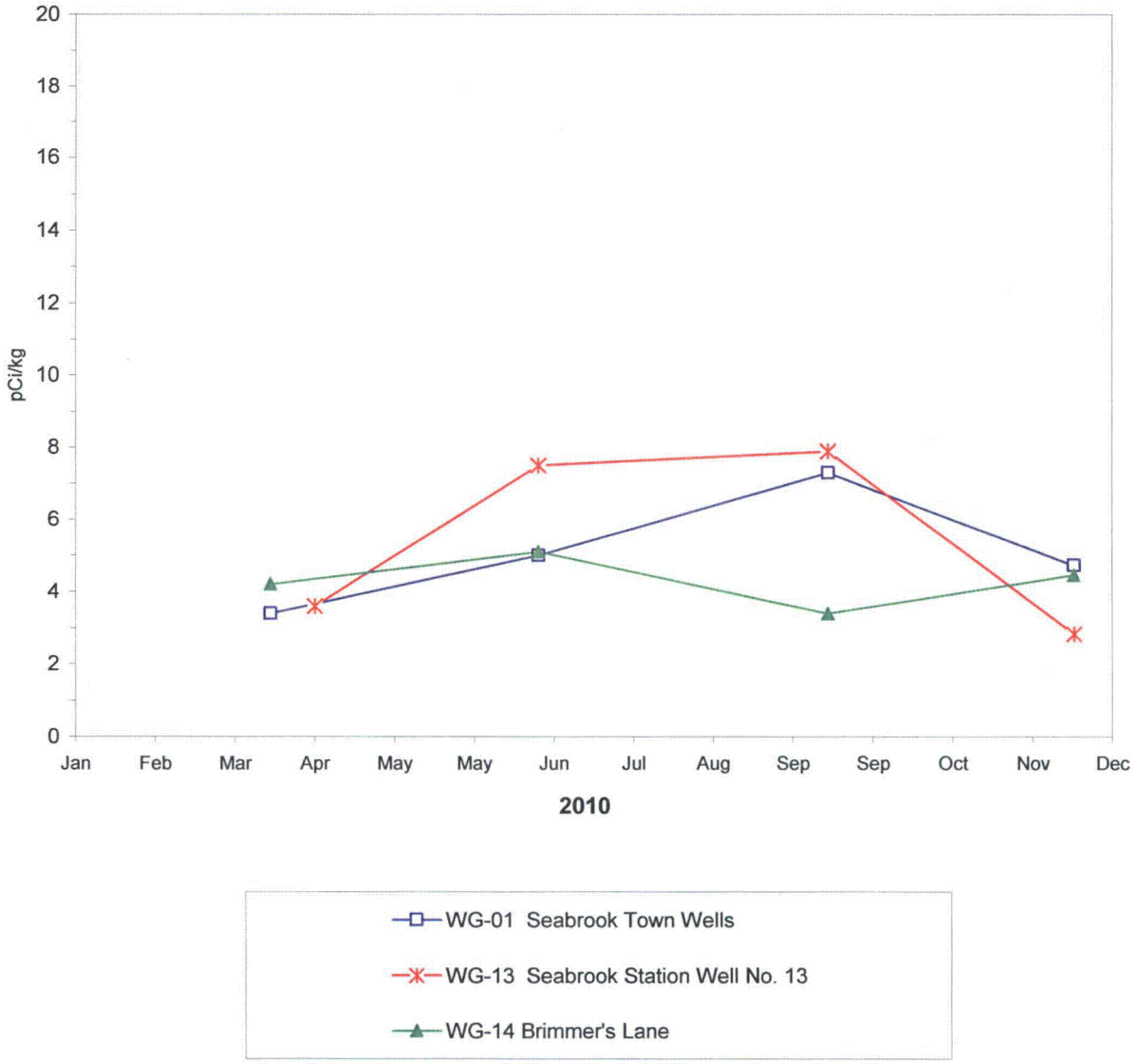


FIGURE 3.5.1

GROSS-BETA MEASUREMENTS OF GROUND WATER
SEMI-ANNUAL AVERAGES
SEABROOK STATION

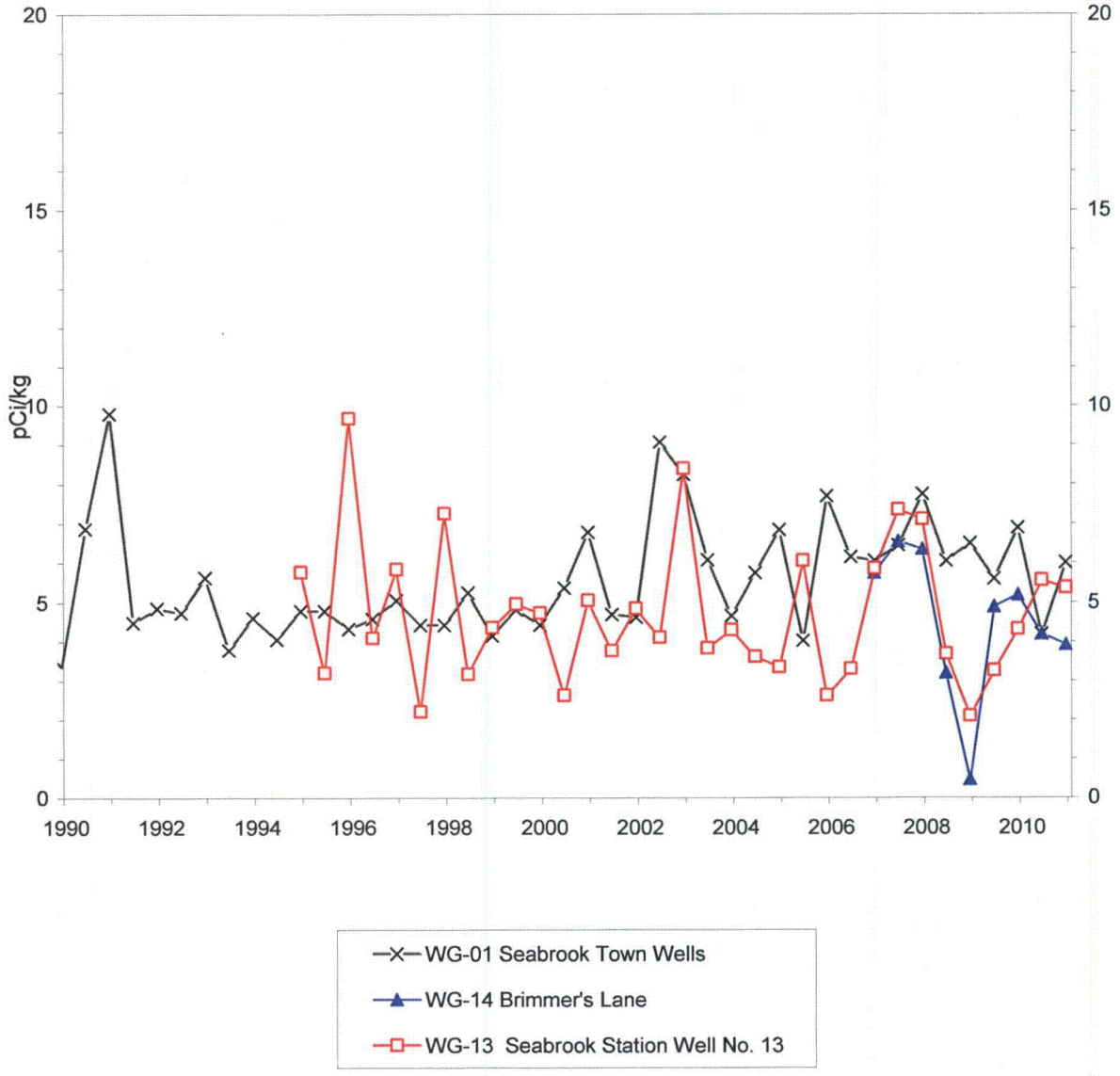


Table 3.5-1
Radiological Environmental Monitoring Program Summary
Seabrook Nuclear Power Station, Seabrook, NH
(January - December 2010)

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	 Mean Range (No. Detected**)	Control Stations Mean Range (No. Detected**)
GR-B	(12) (0)	4	5.0E 0 (2.8 - 7.9)E 0 (9/ 12)	13	5.5E 0 (2.8 - 7.9)E 0 (3/ 4)	NO DATA
H-3	(12) (0)	3000	2.3E 1 (-6.3 - 7.5)E 2 (0/ 12)	14	1.7E 2 (-5.6 - 75.0)E 1 (0/ 4)	NO DATA
Be-7	(12) (0)		-4.4E 0 (-1.9 - 0.9)E 1 (0/ 12)	01	-5.0E -1 (-8.0 - 7.0)E 0 (0/ 4)	NO DATA
K-40	(12) (0)		-1.4E 0 (-5.3 - 4.8)E 1 (0/ 12)	13	6.4E -1 (-2.5 - 2.5)E 1 (0/ 4)	NO DATA
Cr-51	(12) (0)		-2.3E 0 (-1.7 - 1.2)E 1 (0/ 12)	13	4.8E 0 (-4.0 - 12.0)E 0 (0/ 4)	NO DATA
Mn-54	(12) (0)	15	-1.1E 0 (-3.0 - 0.2)E 0 (0/ 12)	13	-2.9E -1 (-8.0 - 2.4)E -1 (0/ 4)	NO DATA
Co-57	(12) (0)		1.4E -1 (-1.1 - 1.6)E 0 (0/ 12)	01	4.9E -1 (-4.4 - 16.4)E -1 (0/ 4)	NO DATA
Co-58	(12) (0)	15	-8.7E -1 (-2.3 - 1.0)E 0 (0/ 12)	13	-4.3E -1 (-1.5 - 1.0)E 0 (0/ 4)	NO DATA
Fe-59	(12) (0)	30	-2.2E -1 (-4.7 - 4.2)E 0 (0/ 12)	01	6.6E -1 (-4.4 - 4.2)E 0 (0/ 4)	NO DATA
Co-60	(12) (0)	15	-1.1E 0 (-6.3 - 0.8)E 0 (0/ 12)	13	-3.0E -1 (-2.5 - 0.5)E 0 (0/ 4)	NO DATA
Zn-65	(12) (0)	30	-5.9E -1 (-9.8 - 12.4)E 0 (0/ 12)	14	5.4E 0 (-3.3 - 12.4)E 0 (0/ 4)	NO DATA
Se-75	(12) (0)		-3.3E -1 (-2.5 - 1.6)E 0 (0/ 12)	14	4.4E -1 (-1.2 - 1.6)E 0 (0/ 4)	NO DATA

* Non-Routine refers to those radionuclides that exceeded the Reporting Levels in ODCM Table A.9.1-3.
** The fraction of detectable measurements (i.e. >3 standard deviations with no uncertain identification) is shown in parentheses.

Table 3.5-1 (Continued)

Radiological Environmental Monitoring Program Summary
Seabrook Nuclear Power Station, Seabrook, NH
(January - December 2010)

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**)
Zr-95	(12) (0)	15	-5.3E -1 (-6.1 - 3.8)E 0 (0/ 12)	14	-6.0E -2 (-2.8 - 1.7)E 0 (0/ 4)	NO DATA
Ru-103	(12) (0)		-1.8E 0 (-3.7 - 0.6)E 0 (0/ 12)	13	-9.5E -1 (-2.5 - 0.6)E 0 (0/ 4)	NO DATA
Ru-106	(12) (0)		4.9E 0 (-1.6 - 3.6)E 1 (0/ 12)	14	1.1E 1 (-1.1 - 3.6)E 1 (0/ 4)	NO DATA
Ag-108m	(12) (0)		4.4E -1 (-1.2 - 2.7)E 0 (0/ 12)	14	7.3E -1 (-8.0 - 27.0)E -1 (0/ 4)	NO DATA
Ag-110m	(12) (0)		3.6E -1 (-1.9 - 5.0)E 0 (0/ 12)	14	1.6E 0 (-3.0 - 50.0)E -1 (0/ 4)	NO DATA
Sb-124	(12) (0)		1.9E -2 (-6.7 - 7.8)E 0 (0/ 12)	14	1.4E 0 (-1.8 - 7.8)E 0 (0/ 4)	NO DATA
Sb-125	(12) (0)		7.7E -2 (-9.5 - 8.0)E 0 (0/ 12)	14	2.9E -1 (-9.5 - 8.0)E 0 (0/ 4)	NO DATA
I-131	(12) (0)	15	-2.7E 0 (-7.9 - 0.9)E 0 (0/ 12)	13	-1.6E 0 (-7.1 - 0.9)E 0 (0/ 4)	NO DATA
Cs-134	(12) (0)	15	-4.6E -2 (-2.5 - 1.3)E 0 (0/ 12)	14	1.5E -1 (-1.0 - 1.3)E 0 (0/ 4)	NO DATA
Cs-137	(12) (0)	18	-3.0E -1 (-2.0 - 1.8)E 0 (0/ 12)	14	-9.0E -2 (-1.5 - 1.8)E 0 (0/ 4)	NO DATA
Ba-140	(12) (0)	15	8.5E -1 (-6.7 - 7.7)E 0 (0/ 12)	01	2.9E 0 (-1.0 - 7.7)E 0 (0/ 4)	NO DATA
Ce-141	(12) (0)		-1.3E -1 (-4.3 - 4.5)E 0 (0/ 12)	13	1.8E 0 (-1.0 - 45.0)E -1 (0/ 4)	NO DATA
Ce-144	(12) (0)		-3.5E 0 (-1.7 - 1.0)E 1 (0/ 12)	01	1.1E 0 (-5.9 - 10.2)E 0 (0/ 4)	NO DATA

* Non-Routine refers to those radionuclides that exceeded the Reporting Levels in ODCM Table A.9.1-3.
** The fraction of detectable measurements (i.e. >3 standard deviations with no uncertain identification) is shown in parentheses.

Table 3.5-1 (Continued)

Radiological Environmental Monitoring Program Summary
Seabrook Nuclear Power Station, Seabrook, NH
(January - December 2010)

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**)
Pb-212 (3) (0)		9.9E -1 (-7.1 - 34.4)E -1 (0/ 3)	14	3.4E 0 (0/ 1)	NO DATA
Bi-214 (6) (0)		6.6E 1 (2.7 - 168.0)E 0 (5/ 6)	14	1.6E 2 (1.6 - 1.7)E 2 (2/ 2)	NO DATA
Th-228 (3) (0)		9.9E -1 (-7.1 - 34.4)E -1 (0/ 3)	14	3.4E 0 (0/ 1)	NO DATA
Th-232 (12) (0)		-1.3E 0 (-9.5 - 3.8)E 0 (0/ 12)	13	-4.4E -2 (-4.5 - 3.4)E 0 (0/ 4)	NO DATA

* Non-Routine refers to those radionuclides that exceeded the Reporting Levels in ODCM Table A.9.1-3.
** The fraction of detectable measurements (i.e. >3 standard deviations with no uncertain identification) is shown in parentheses.

3.6 Sediment

Semiannual sediment sampling is required at one indicator location, although a total of five locations, three indicators and two controls, are collected. The indicator stations are comprised of two sets of beach sediment cores from Hampton Beach (SE-07) and Seabrook Beach (SE-08), plus one sub-tidal sediment core taken from near the discharge structure (SE-02). The control locations, both Plum Island Beach (SE-57) and sub-tidal (SE-52), are located with Ipswich Bay. A total of 20 samples were collected for the year from all locations. For sediment cores collected during the first half of the year (May), each core was sectioned into 5-centimeter segments. Segment 1 extends from the top of the core to 5 centimeters, segment 2 extends from 5 to 10 centimeters, and segment 3 extends from 10 to 15 centimeters in depth. The cores collected for the second half of the year (November) were analyzed as single or whole samples without segmenting. A gamma analysis was performed on each segment.

In the fourth quarter of 2010, the change in environmental analysis laboratories from the AREVA Environmental Laboratory to GEL Laboratories, Inc., also marked the expanded search for naturally occurring radionuclides as reference characteristics of the media being evaluated. From this, the expanded list of isotopes for Potassium, Lead, Thorium, Thallium and Radium are included in the standard analysis spectrum. Table 3.6-1 identifies the results of the search for these reference radionuclides of which several were detected. No plant-related radionuclides were detected in any segment. No increasing or decreasing trends were observed. This is consistent with the pre-operational program and with previous years of plant operations. There is no dose to the public or impact to the environment from any pathways associated with this media.

The REMP Summary Table 3.6-1 list the range of analysis results by radionuclide for Indicator and Control Stations for the sediment environmental media. Attachment 1 to this report lists the individual analysis results for each segment measurement of sediment under the Sample Type code SE.

Any sample collection and analysis deviations from the ODCM required program, or reportable concentrations that may have occurred during the year are described in Section 5.

Table 3.6-1

Radiological Environmental Monitoring Program Summary
Seabrook Nuclear Power Station, Seabrook, NH
(January - December 2010)

MEDIUM: Sediment (SE) 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**)
Be-7 (20) (0)		9.1E 0 (-5.3 - 5.2)E 2 (0/ 12)	07	1.7E 2 (-7.0 - 52.0)E 1 (0/ 4)	-1.4E 2 (-6.6 - 1.6)E 2 (0/ 8)
K-40 (20) (0)		1.9E 4 (1.2 - 2.5)E 4 (12/ 12)	08	2.3E 4 (2.2 - 2.5)E 4 (4/ 4)	1.3E 4 (1.1 - 1.7)E 4 (8/ 8)
Cr-51 (20) (0)		9.2E 0 (-6.6 - 11.0)E 2 (0/ 12)	02	2.1E 2 (-3.9 - 11.0)E 2 (0/ 4)	-7.8E 1 (-6.6 - 7.4)E 2 (0/ 8)
Mn-54 (20) (0)		3.1E 0 (-5.4 - 4.6)E 1 (0/ 12)	57	1.2E 1 (-4.7 - 6.1)E 1 (0/ 4)	1.0E 1 (-4.7 - 6.1)E 1 (0/ 8)
Co-57 (20) (0)		2.7E -1 (-3.0 - 2.4)E 1 (0/ 12)	02	8.0E 0 (-1.3 - 2.2)E 1 (0/ 4)	-5.8E 0 (-3.5 - 1.2)E 1 (0/ 8)
Co-58 (20) (0)		-7.8E 0 (-5.9 - 5.9)E 1 (0/ 12)	08	-5.0E 0 (-2.1 - 1.9)E 1 (0/ 4)	-1.3E 1 (-6.5 - 4.4)E 1 (0/ 8)
Fe-59 (20) (0)		2.2E 1 (-6.0 - 17.0)E 1 (0/ 12)	08	5.3E 1 (-4.9 - 17.0)E 1 (0/ 4)	-2.9E 1 (-1.7 - 0.9)E 2 (0/ 8)
Co-60 (20) (0)		1.1E 1 (-2.7 - 5.4)E 1 (0/ 12)	57	1.5E 1 (3.5 - 26.0)E 0 (0/ 4)	1.4E 1 (-1.5 - 4.8)E 1 (0/ 8)
Zn-65 (20) (0)		-8.3E 1 (-2.4 - 1.3)E 2 (0/ 12)	07	1.3E 0 (-1.2 - 1.3)E 2 (0/ 4)	-3.0E 1 (-1.4 - 0.6)E 2 (0/ 8)
Se-75 (20) (0)		-2.0E 1 (-6.5 - 3.2)E 1 (0/ 12)	52	1.4E 0 (-4.5 - 7.2)E 1 (0/ 4)	-4.9E -1 (-4.5 - 7.2)E 1 (0/ 8)
Zr-95 (20) (0)		1.5E 1 (-1.1 - 1.4)E 2 (0/ 12)	52	6.9E 1 (-5.2 - 21.5)E 1 (0/ 4)	4.8E 1 (-5.2 - 21.5)E 1 (0/ 8)
Ru-103 (20) (0)		1.9E 1 (-2.7 - 6.8)E 1 (0/ 12)	02	2.5E 1 (2.0 - 3.2)E 1 (0/ 4)	-1.7E 0 (-5.0 - 6.2)E 1 (0/ 8)
Ru-106 (20) (0)		3.6E 1 (-5.1 - 3.4)E 2 (0/ 12)	07	1.6E 2 (-2.1 - 3.4)E 2 (0/ 4)	4.2E 1 (-2.1 - 2.2)E 2 (0/ 8)

* Non-Routine refers to those radionuclides that exceeded the Reporting Levels in ODCM Table A.9.1-3.
** The fraction of detectable measurements (i.e. >3 standard deviations with no uncertain identification) is shown in parentheses.

Table 3.6-1 (Continued)

Radiological Environmental Monitoring Program Summary
Seabrook Nuclear Power Station, Seabrook, NH
(January - December 2010)

MEDIUM: Sediment (SE) 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**)
Ag-108m	(20)		4.8E 0	07	1.6E 1	-3.3E 0
	(0)		(-3.3 - 2.9)E 1		(5.0 - 29.0)E 0	(-2.7 - 2.7)E 1
			(0/ 12)		(0/ 4)	(0/ 8)
Ag-110m	(20)		-1.3E 1	52	1.8E 1	-1.5E 0
	(0)		(-9.3 - 5.2)E 1		(-3.4 - 8.1)E 1	(-4.0 - 8.1)E 1
			(0/ 12)		(0/ 4)	(0/ 8)
Sb-124	(20)		1.6E 1	07	5.4E 1	-1.4E 1
	(0)		(-6.5 - 11.5)E 1		(-1.8 - 11.5)E 1	(-1.0 - 0.4)E 2
			(0/ 12)		(0/ 4)	(0/ 8)
Sb-125	(20)		1.1E 1	02	4.7E 1	-4.6E 1
	(0)		(-1.0 - 1.4)E 2		(-2.0 - 13.7)E 1	(-2.1 - 0.8)E 2
			(0/ 12)		(0/ 4)	(0/ 8)
I-131	(20)		-2.6E 1	57	1.3E 2	1.2E 2
	(0)		(-5.6 - 3.6)E 2		(-6.7 - 5.7)E 2	(-6.7 - 8.4)E 2
			(0/ 12)		(0/ 4)	(0/ 8)
Cs-134	(20)	150	2.1E 1	52	4.3E 1	3.2E 1
	(0)		(-1.5 - 8.0)E 1		(-6.0 - 8.3)E 1	(-6.0 - 8.3)E 1
			(0/ 12)		(0/ 4)	(0/ 8)
Cs-137	(20)	180	8.7E 0	02	1.5E 1	-1.1E 1
	(0)		(-2.5 - 5.5)E 1		(-8.0 - 37.0)E 0	(-5.6 - 2.2)E 1
			(0/ 12)		(0/ 4)	(0/ 8)
Ba-140	(20)		7.8E 1	07	2.6E 2	-1.7E 2
	(0)		(-4.3 - 7.9)E 2		(-1.4 - 7.9)E 2	(-1.5 - 0.7)E 3
			(0/ 12)		(0/ 4)	(0/ 8)
Ce-141	(20)		3.3E 1	02	8.6E 1	2.6E 1
	(0)		(-9.0 - 20.0)E 1		(2.2 - 20.0)E 1	(-3.2 - 12.0)E 1
			(0/ 12)		(0/ 4)	(0/ 8)
Ce-144	(20)		5.5E 1	02	1.7E 2	2.2E 1
	(0)		(-2.5 - 4.3)E 2		(3.0 - 43.0)E 1	(-1.5 - 2.2)E 2
			(0/ 12)		(0/ 4)	(0/ 8)
Tl-208	(5)		2.8E 2	07	6.1E 2	3.1E 2
	(0)		(9.9 - 61.1)E 1			(1.2 - 5.0)E 2
			(3/ 3)		(1/ 1)	(2/ 2)
Pb-212	(5)		9.2E 2	07	2.0E 3	1.1E 3
	(0)		(2.8 - 20.4)E 2			(4.5 - 17.4)E 2
			(3/ 3)		(1/ 1)	(2/ 2)

* Non-Routine refers to those radionuclides that exceeded the Reporting Levels in ODCM Table A.9.1-3.
** The fraction of detectable measurements (i.e. >3 standard deviations with no uncertain identification) is shown in parentheses

Table 3.6-1 (Continued)

Radiological Environmental Monitoring Program Summary
Seabrook Nuclear Power Station, Seabrook, NH
(January - December 2010)

MEDIUM: Sediment (SE) 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**)
Pb-214 (10) (0)		6.9E 2 (2.5 - 16.4)E 2 (6/ 6)	07	1.4E 3 (1.2 - 1.6)E 3 (2/ 2)	7.6E 2 (2.7 - 13.6)E 2 (4/ 4)
Ra-226 (5) (0)		5.9E 2 (2.5 - 11.9)E 2 (3/ 3)	07	1.2E 3 (1/ 1)	6.3E 2 (2.7 - 9.8)E 2 (2/ 2)
Th-228 (7) (0)		1.1E 3 (2.8 - 20.4)E 2 (4/ 4)	07	1.9E 3 (1.8 - 2.0)E 3 (2/ 2)	1.3E 3 (4.5 - 17.4)E 2 (3/ 3)
Th-230 (5) (0)		5.9E 2 (2.5 - 11.9)E 2 (3/ 3)	07	1.2E 3 (1/ 1)	6.3E 2 (2.7 - 9.8)E 2 (2/ 2)
Th-232 (17) (0)		8.9E 2 (-2.2 - 22.8)E 2 (4/ 10)	02	2.0E 3 (1.6 – 2.3)E 3 (3/ 3)	1.2E 3 (1.8 - 33.7)E 2 (5/ 7)

* Non-Routine refers to those radionuclides that exceeded the Reporting Levels in ODCM Table A.9.1-3.
** The fraction of detectable measurements (i.e. >3 standard deviations with no uncertain identification) is shown in parentheses.

3.7 Fish

Semiannual fish (FH) and invertebrate samples are required from two locations. The Program calls for samples to be collected semiannually, or in season, from two locations. Quarterly collections are attempted to cover the sampling requirements. This section presents the results for fish sampling only. Invertebrate results may be found in Sections 3.8 and 3.9, entitled Lobsters and Shellfish, respectively.

During the year, a total of 10-fish samples were collected. The fish species available from Station FH-03 (indicator station) and Station FH-53 (control station) were dominated by Winter and Yellow-Tail Flounder which are bottom dwelling species, and included smelts in this year's catch. Cunner fish were also collected from Station FH-03 in one sample.

A gamma analysis was performed on the edible portion of each sample collected. In 2010, the only radionuclide recorded in all fish samples was naturally occurring K-40. In the fourth quarter, the change in environmental analysis laboratories from the AREVA Environmental Laboratory to GEL Laboratories, Inc., also marked the expanded search for naturally occurring radionuclides as reference characteristics of the media being evaluated. From this, the expanded list included naturally occurring isotopes for Potassium, Lead, Thorium, Thallium and Radium as part of the standard analysis spectrum. Table 3.7-1 identifies the results of the search for these reference radionuclides. No plant-related radionuclides were detected. No increasing or decreasing trends were observed. Subsequently, there is no dose to the public or impact to the environment, through this pathway, from plant operations. This is consistent with previous years of plant operations, as well as the pre-operational program.

In addition to the required program for fish as defined in the ODCM, the Station attempted to collect a local fish species (cunner fish) that resides in the upper regions of the water column using an alternate collection method from that used for the more prevalent bottom species. For 2010, one cunner sample was collected from the area of the plant's Hampton Bay discharge (FH-03) with the results listed in Attachment 1 as laboratory number L16766-03, 08/30/2010. No plant radionuclides were detected in the cunner fish sample, with naturally occurring K-40 found at a concentration of 3,170 pCi/kg.

The REMP Summary Table 3.7-1 lists the range of analysis results by radionuclide for Indicator and Control Stations for all fish environmental media. Attachment 1 to this report lists the individual analysis results for each measurement of fish under the Sample Type code FH.

Any sample collection and analysis deviations from the ODCM required program, or reportable concentrations that may have occurred during the year are described in Section 5.

Table 3.7-1

Radiological Environmental Monitoring Program Summary
Seabrook Nuclear Power Station, Seabrook, NH
(January - December 2010)

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**)
Be-7	(10)		8.8E 1	03	8.8E 1	-5.6E 0
	(0)		(-1.4 - 5.1)E 2		(-1.4 - 5.1)E 2	(-4.0 - 5.7)E 1
			(0/ 6)		(0/ 6)	(0/ 4)
K-40	(10)		3.2E 3	53	3.5E 3	3.5E 3
	(0)		(2.3 - 3.7)E 3		(2.9 - 4.0)E 3	(2.9 - 4.0)E 3
			(6/ 6)		(4/ 4)	(4/ 4)
Cr-51	(10)		-4.4E 1	03	-4.4E 1	-8.2E 1
	(0)		(-1.5 - 0.5)E 2		(-1.5 - 0.5)E 2	(-2.5 - 0.1)E 2
			(0/ 6)		(0/ 6)	(0/ 4)
Mn-54	(10)	130	-3.1E -1	53	9.3E -1	9.3E -1
	(0)		(-2.3 - 0.9)E 1		(-8.1 - 14.0)E 0	(-8.1 - 14.0)E 0
			(0/ 6)		(0/ 4)	(0/ 4)
Co-57	(10)		7.7E 0	03	7.7E 0	-1.2E 0
	(0)		(-1.0 - 190.0)E -1		(-1.0 - 190.0)E -1	(-7.1 - 2.7)E 0
			(0/ 6)		(0/ 6)	(0/ 4)
Co-58	(10)	130	-1.3E 0	53	1.7E 0	1.7E 0
	(0)		(-3.4 - 3.0)E 1		(-1.8 - 1.6)E 1	(-1.8 - 1.6)E 1
			(0/ 6)		(0/ 4)	(0/ 4)
Fe-59	(10)	260	1.5E 1	03	1.5E 1	1.2E 1
	(0)		(-2.5 - 10.2)E 1		(-2.5 - 10.2)E 1	(-1.6 - 4.4)E 1
			(0/ 6)		(0/ 6)	(0/ 4)
Co-60	(10)	130	-5.1E -1	53	1.4E 1	1.4E 1
	(0)		(-2.2 - 2.6)E 1		(-5.5 - 30.0)E 0	(-5.5 - 30.0)E 0
			(0/ 6)		(0/ 4)	(0/ 4)
Zn-65	(10)	260	-2.2E 1	53	-8.5E 0	-8.5E 0
	(0)		(-8.5 - 5.6)E 1		(-1.6 - 0.1)E 1	(-1.6 - 0.1)E 1
			(0/ 6)		(0/ 4)	(0/ 4)
Se-75	(10)		-1.9E 0	53	7.4E 0	7.4E 0
	(0)		(-1.2 - 1.3)E 1		(3.0 - 190.0)E -1	(3.0 - 190.0)E -1
			(0/ 6)		(0/ 4)	(0/ 4)
Zr-95	(10)		5.0E 0	53	6.2E 0	6.2E 0
	(0)		(-1.3 - 2.4)E 1		(-2.0 - 4.4)E 1	(-2.0 - 4.4)E 1
			(0/ 6)		(0/ 4)	(0/ 4)
Ru-103	(10)		-8.2E 0	53	6.3E 0	6.3E 0
	(0)		(-2.7 - 0.1)E 1		(-4.0 - 25.0)E 0	(-4.0 - 25.0)E 0
			(0/ 6)		(0/ 4)	(0/ 4)

* Non-Routine refers to those radionuclides that exceeded the Reporting Levels in ODCM Table A.9.1-3.
** The fraction of detectable measurements (i.e. >3 standard deviations with no uncertain identification) is shown in parentheses.

Table 3.7-1 (Continued)

Radiological Environmental Monitoring Program Summary
Seabrook Nuclear Power Station, Seabrook, NH
(January - December 2010)

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**)
Ru-106	(10)		-9.5E 0	03	-9.5E 0	-2.0E 1
	(0)		(-1.5 - 2.7)E 2		(-1.5 - 2.7)E 2	(-7.1 - 3.1)E 1
			(0/ 6)		(0/ 6)	(0/ 4)
Ag-108m	(10)		1.5E 0	03	1.5E 0	-2.0E 0
	(0)		(-1.1 - 1.5)E 1		(-1.1 - 1.5)E 1	(-2.3 - 1.1)E 1
			(0/ 6)		(0/ 6)	(0/ 4)
Ag-110m	(10)		-1.2E 1	03	-1.2E 1	-1.7E 1
	(0)		(-5.2 - 0.7)E 1		(-5.2 - 0.7)E 1	(-4.5 - 0.3)E 1
			(0/ 6)		(0/ 6)	(0/ 4)
Sb-124	(10)		1.0E 1	03	1.0E 1	-2.3E 0
	(0)		(-2.1 - 3.3)E 1		(-2.1 - 3.3)E 1	(-3.3 - 2.8)E 1
			(0/ 6)		(0/ 6)	(0/ 4)
Sb-125	(10)		-5.6E 0	03	-5.6E 0	-1.6E 1
	(0)		(-1.8 - 0.9)E 1		(-1.8 - 0.9)E 1	(-5.3 - 0.6)E 1
			(0/ 6)		(0/ 6)	(0/ 4)
I-131	(10)		-2.1E 0	03	-2.1E 0	-4.5E 0
	(0)		(-9.6 - 7.0)E 1		(-9.6 - 7.0)E 1	(-4.8 - 2.2)E 1
			(0/ 6)		(0/ 6)	(0/ 4)
Cs-134	(10)	130	-1.0E 1	53	1.5E 0	1.5E 0
	(0)		(-4.1 - 1.4)E 1		(-6.9 - 10.0)E 0	(-6.9 - 10.0)E 0
			(0/ 6)		(0/ 4)	(0/ 4)
Cs-137	(10)	150	3.4E 0	03	3.4E 0	-5.1E 0
	(0)		(-1.4 - 1.9)E 1		(-1.4 - 1.9)E 1	(-1.5 - 0.4)E 1
			(0/ 6)		(0/ 6)	(0/ 4)
Ba-140	(10)		2.1E 1	03	2.1E 1	-7.5E 0
	(0)		(-4.1 - 6.5)E 1		(-4.1 - 6.5)E 1	(-4.1 - 3.8)E 1
			(0/ 6)		(0/ 6)	(0/ 4)
Ce-141	(10)		-4.9E 0	53	-3.6E 0	-3.6E 0
	(0)		(-6.7 - 3.4)E 1		(-1.7 - 1.4)E 1	(-1.7 - 1.4)E 1
			(0/ 6)		(0/ 4)	(0/ 4)
Ce-144	(10)		-9.3E 0	03	-9.3E 0	-2.0E 1
	(0)		(-1.0 - 0.6)E 2		(-1.0 - 0.6)E 2	(-5.5 - 1.3)E 1
			(0/ 6)		(0/ 6)	(0/ 4)
Tl-208	(2)		3.0E 0	53	1.1E 1	1.1E 1
	(0)					
			(0/ 1)		(1/ 1)	(1/ 1)

* Non-Routine refers to those radionuclides that exceeded the Reporting Levels in ODCM Table A.9.1-3.
** The fraction of detectable measurements (i.e. >3 standard deviations with no uncertain identification) is shown in parentheses.

Table 3.7-1 (Continued)

Radiological Environmental Monitoring Program Summary
Seabrook Nuclear Power Station, Seabrook, NH
(January - December 2010)

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**)
Pb-212	(2)		-7.6E 0	53	-6.8E 0	-6.8E 0
	(0)		(0/ 1)		(0/ 1)	(0/ 1)
Pb-214	(4)		5.5E 0	53	2.2E 1	2.2E 1
	(0)		(2.4 - 8.6)E 0 (0/ 2)		(2.0 - 2.4)E 1 (0/ 2)	(2.0 - 2.4)E 1 (0/ 2)
Ra-226	(2)		2.4E 0	53	2.0E 1	2.0E 1
	(0)		(0/ 1)		(0/ 1)	(0/ 1)
Th-228	(8)		-3.0E 0	59	2.1E 1	1.4E 1
	(0)		(-2.5 - 2.4)E 1 (0/ 4)		(1.7 - 2.4)E 1 (0/ 2)	(6.0 - 24.3)E 0 (0/ 4)
Th-230	(4)		9.1E 0	59	3.8E 1	2.3E 1
	(0)		(-9.3 - 192.0)E -1 (0/ 2)		(1/ 1)	(7.6 - 38.3)E 0 (1/ 2)
Th-232	(4)		3.7E 1	09	6.7E 1	5.0E 0
	(0)		(6.0 - 67.0)E 0 (0/ 2)		(0/ 1)	(5.0 - 5.0)E 0 (0/ 2))

* Non-Routine refers to those radionuclides that exceeded the Reporting Levels in ODCM Table A.9.1-3.
** The fraction of detectable measurements (i.e. >3 standard deviations with no uncertain identification) is shown in parentheses.

3.8 Lobsters

Semiannual fish and invertebrate samples were required from two locations. This section provides the results for one type of invertebrate – *Homarus americanus (*American lobsters) which is an important commercial food species from local waters. Fish and other invertebrate results may be found in Sections 3.7 and 3.9, entitled Fish and Shellfish, respectively. Samples were collected from two locations semiannually. Lobsters (HA) were collected from an indicator location near the discharge (HA-04) and from a control location (HA-54) within Ipswich Bay. A total of four samples were collected for the year.

A gamma analysis was performed on each sample. The only radionuclide detected in lobster samples in 2010 was naturally occurring K-40 (all samples). No plant-related radionuclides were detected. Therefore, no increasing or decreasing trends were observed. Subsequently, there is no dose to the public or impact to the environment, from this pathway, from plant operations. This is consistent with previous years of plant operations as well as the pre-operational program. In the fourth quarter of 2010, the change in environmental analysis laboratories from the AREVA Environmental Laboratory to GEL Laboratories, Inc., also marked the expanded search for naturally occurring radionuclides as reference characteristics of the media being evaluated. From this, the expanded list of isotopes for Potassium, Lead, Thorium, Thallium and Radium are included in the standard analysis spectrum. Table 3.8-1 identifies the results of the search for these reference radionuclides.

The REMP Summary Table 3.8-1 list the range of analysis results by radionuclide for Indicator and Control Stations for all lobster samples. Attachment 1 to this report lists the individual analysis results for each measurement of lobsters under the Sample Type code HA.

Any sample collection and analysis deviations from the ODCM required program, or reportable concentrations that may have occurred during the year are described in Section 5.

Table 3.8-1

Radiological Environmental Monitoring Program Summary
Seabrook Nuclear Power Station, Seabrook, NH
(January - December 2010)

MEDIUM: American Lobster (HA) 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**)
Be-7	(4) (0)		3.8E 1 (2.0 - 5.6)E 1 (0/ 2)	04	3.8E 1 (2.0 - 5.6)E 1 (0/ 2)	2.5E 1 (-1.5 - 6.4)E 1 (0/ 2)
K-40	(4) (0)		2.5E 3 (2.3 - 2.7)E 3 (2/ 2)	54	2.7E 3 (2.3 - 3.1)E 3 (2/ 2)	2.7E 3 (2.3 - 3.1)E 3 (2/ 2)
Cr-51	(4) (0)		-5.3E 0 (-1.8 - 0.7)E 1 (0/ 2)	04	-5.3E 0 (-1.8 - 0.7)E 1 (0/ 2)	-6.1E 1 (-9.1 - -3.1)E 1 (0/ 2)
Mn-54	(4) (0)	130	1.2E 0 (-3.9 - 6.4)E 0 (0/ 2)	04	1.2E 0 (-3.9 - 6.4)E 0 (0/ 2)	-9.8E 0 (-1.9 - -0.1)E 1 (0/ 2)
Co-57	(4) (0)		-1.7E 0 (-3.4 - 0.1)E 0 (0/ 2)	04	-1.7E 0 (-3.4 - 0.1)E 0 (0/ 2)	-2.8E 0 (-6.7 - 1.1)E 0 (0/ 2)
Co-58	(4) (0)	130	-4.0E 0 (-1.0 - 0.2)E 1 (0/ 2)	54	-1.4E 0 (-1.0 - 0.7)E 1 (0/ 2)	-1.4E 0 (-1.0 - 0.7)E 1 (0/ 2)
Fe-59	(4) (0)	260	7.0E 0 (5.0 - 9.0)E 0 (0/ 2)	04	7.0E 0 (5.0 - 9.0)E 0 (0/ 2)	-1.4E 1 (-1.9 - -1.0)E 1 (0/ 2)
Co-60	(4) (0)	130	-7.5E 0 (-1.5 - 0.0)E 1 (0/ 2)	54	-3.5E 0 (-3.9 - -3.0)E 0 (0/ 2)	-3.5E 0 (-3.9 - -3.0)E 0 (0/ 2)
Zn-65	(4) (0)	260	-6.7E 0 (-1.0 - -0.3)E 1 (0/ 2)	54	3.7E 0 (-1.1 - 1.8)E 1 (0/ 2)	3.7E 0 (-1.1 - 1.8)E 1 (0/ 2)
Se-75	(4) (0)		-2.4E 0 (-2.5 - -2.2)E 0 (0/ 2)	04	-2.4E 0 (-2.5 - -2.2)E 0 (0/ 2)	-6.7E 0 (-8.4 - -4.9)E 0 (0/ 2)
Zr-95	(4) (0)		5.6E 0 (2.0 - 9.2)E 0 (0/ 2)	04	5.6E 0 (2.0 - 9.2)E 0 (0/ 2)	3.6E 0 (-8.7 - 80.0)E -1 (0/ 2)
Ru-103	(4) (0)		2.2E 0 (-1.4 - 5.8)E 0 (0/ 2)	04	2.2E 0 (-1.4 - 5.8)E 0 (0/ 2)	-4.5E 0 (-7.3 - -1.7)E 0 (0/ 2)

* Non-Routine refers to those radionuclides that exceeded the Reporting Levels in ODCM Table A.9.1-3.
** The fraction of detectable measurements (i.e. >3 standard deviations with no uncertain identification) is shown in parentheses.

Table 3.8-1 (Continued)

Radiological Environmental Monitoring Program Summary
Seabrook Nuclear Power Station, Seabrook, NH
(January - December 2010)

MEDIUM: American Lobster (HA) 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**)
Ru-106	(4)		-7.4E 1	54	-4.3E 0	-4.3E 0
	(0)		(-8.6 - -6.2)E 1		(-2.3 - 1.4)E 1	(-2.3 - 1.4)E 1
			(0/ 2)		(0/ 2)	(0/ 2)
Ag-108m	(4)		3.9E 0	04	3.9E 0	2.8E 0
	(0)		(2.8 - 5.1)E 0		(2.8 - 5.1)E 0	(2.2 - 3.4)E 0
			(0/ 2)		(0/ 2)	(0/ 2)
Ag-110m	(4)		5.3E 0	04	5.3E 0	-3.9E 0
	(0)		(0.0 - 1.1)E 1		(0.0 - 1.1)E 1	(-5.7 - -2.0)E 0
			(0/ 2)		(0/ 2)	(0/ 2)
Sb-124	(4)		-5.3E 0	04	-5.3E 0	-1.8E 1
	(0)		(-1.9 - 0.8)E 1		(-1.9 - 0.8)E 1	(-3.8 - 0.3)E 1
			(0/ 2)		(0/ 2)	(0/ 2)
Sb-125	(4)		-2.9E -1	54	2.7E 1	2.7E 1
	(0)		(-4.6 - 4.0)E 0		(9.3 - 45.0)E 0	(9.3 - 45.0)E 0
			(0/ 2)		(0/ 2)	(0/ 2)
I-131	(4)		1.2E 1	54	1.9E 1	1.9E 1
	(0)		(-2.5 - 4.9)E 1		(7.0 - 30.5)E 0	(7.0 - 30.5)E 0
			(0/ 2)		(0/ 2)	(0/ 2)
Cs-134	(4)	130	-1.7E 0	54	4.1E 0	4.1E 0
	(0)		(-8.9 - 5.6)E 0		(-4.0 - 12.2)E 0	(-4.0 - 12.2)E 0
			(0/ 2)		(0/ 2)	(0/ 2)
Cs-137	(4)	150	2.5E 0	54	5.1E 0	5.1E 0
	(0)		(1.0 - 4.1)E 0		(3.2 - 7.0)E 0	(3.2 - 7.0)E 0
			(0/ 2)		(0/ 2)	(0/ 2)
Ba-140	(4)		-3.6E 1	54	2.7E 1	2.7E 1
	(0)		(-5.1 - -2.1)E 1		(2.1 - 3.3)E 1	(2.1 - 3.3)E 1
			(0/ 2)		(0/ 2)	(0/ 2)
Ce-141	(4)		-9.4E -1	04	-9.4E -1	-8.3E 0
	(0)		(-3.0 - 1.1)E 0		(-3.0 - 1.1)E 0	(-2.1 - 0.4)E 1
			(0/ 2)		(0/ 2)	(0/ 2)
Ce-144	(4)		-1.9E 1	54	-1.6E 1	-1.6E 1
	(0)		(-2.1 - -1.7)E 1		(-2.0 - -1.3)E 1	(-2.0 - -1.3)E 1
			(0/ 2)		(0/ 2)	(0/ 2)
Tl-208	(2)		-2.9E 0	54	-1.9E 0	-1.9E 0
	(0)					
			(0/ 1)		(0/ 1)	(0/ 1)

* Non-Routine refers to those radionuclides that exceeded the Reporting Levels in ODCM Table A.9.1-3.
** The fraction of detectable measurements (i.e. >3 standard deviations with no uncertain identification) is shown in parentheses.

Table 3.8-1 (Continued)

Radiological Environmental Monitoring Program Summary
Seabrook Nuclear Power Station, Seabrook, NH
(January - December 2010)

MEDIUM: American Lobster (HA) 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**)
Pb-212	(2)		1.0E 1	04	1.0E 1	5.0E -2
	(0)		(0/ 1)		(0/ 1)	(0/ 1)
Pb-214	(4)		7.0E -2	04	7.0E -2	-7.7E 0
	(0)		(-2.6 - 2.7)E 0 (0/ 2)		(-2.6 - 2.7)E 0 (0/ 2)	(-8.8 - -6.5)E 0 (0/ 2)
Ra-226	(2)		2.7E 0	04	2.7E 0	-8.8E 0
	(0)		(0/ 1)		(0/ 1)	(0/ 1)
Th-228	(2)		1.0E 1	04	1.0E 1	5.0E -2
	(0)		(0/ 1)		(0/ 1)	(0/ 1)
Th-230	(2)		2.7E 0	04	2.7E 0	-8.8E 0
	(0)		(0/ 1)		(0/ 1)	(0/ 1)
Th-232	(4)		-5.0E -1	54	6.9E 0	6.9E 0
	(0)		(-1.3 - 1.2)E 1 (0/ 2)		(-5.1 - 19.0)E 0 (0/ 2)	(-5.1 - 19.0)E 0 (0/ 2)

* Non-Routine refers to those radionuclides that exceeded the Reporting Levels in ODCM Table A.9.1-3.
** The fraction of detectable measurements (i.e. >3 standard deviations with no uncertain identification) is shown in parentheses.

3.9 Shellfish

Semiannual fish and invertebrate samples are required by the ODCM from two locations. This section provides the results for shellfish (MU) samples only. Fish and other invertebrate results may be found in the Sections 3.7 and 3.8, entitled Fish and Lobsters, respectively. In 2010, four locations (two indicators and two controls) were included in the sample collections

During the year there were two species of mussels (MU) harvested for analysis. *Modiolus (horse mussels) were* collected, by divers, from near the discharge outfall (indicator station MU-06) and from Ipswich Bay (control MU-56). *Mytilus* (blue mussels) were collected from the intratidal areas of Seabrook Harbor (indicator MU-09) and between Plum Island and Ipswich, MA (control MU-59). A total of eight samples were collected in 2010 and analyzed for radioactivity in the edible portion or meat of the shellfish.

Additional analyses were conducted on the May and December shellfish collections from both indicator (MS-06) and control (MS-56) locations where mussel shells (MS) were also analyzed for Strontium 90 (four samples) to see if there is any indication of strontium uptake into the shell. For 2010, no Sr-90 was detected in any sample. These analyses are not required by the REMP as defined in the ODCM.

The only radionuclide detected in shellfish samples in 2010 was naturally occurring K-40 (8 out of 8 edible portion samples). No plant-related gamma emitting radionuclides or strontium was detected. Therefore, no increasing or decreasing trends were observed. Subsequently, there is no dose to the public or impact to the environment, from this pathway, from plant operations. This is consistent with the pre-operational program and with previous years of plant operations.

The REMP Summary Table 3.9-1 (mussel bodies) and Table 3.9-2 (mussel shells) list the range of analysis results by radionuclide for Indicator and Control Stations for all shellfish samples. In the fourth quarter of 2010, the change in environmental analysis laboratories from the AREVA Environmental Laboratory to GEL Laboratories, Inc., also marked the expanded search for naturally occurring radionuclides as reference characteristics of the media being evaluated. From this, the expanded list of isotopes for Potassium, Lead, Thorium, Thallium and Radium are included in the standard analysis spectrum. Attachment 1 to this report lists the individual analysis results for each measurement of shellfish under the Sample Type code MU for the edible portions and MS for shells only.

Any sample collection and analysis deviations from the ODCM required program, or reportable concentrations that may have occurred during the year are described in Section 5.

Table 3.9-1

Radiological Environmental Monitoring Program Summary
Seabrook Nuclear Power Station, Seabrook, NH
(January - December 2010)

MEDIUM: Mussel Body (MU) 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**)
Be-7	(8)		1.2E 1	59	9.1E 1	7.4E 1
	(0)		(-6.0 - 9.8)E 1		(2.0 - 16.3)E 1	(2.0 - 16.3)E 1
			(0/ 4)		(0/ 2)	(0/ 4)
K-40	(8)		1.1E 3	59	1.4E 3	1.3E 3
	(0)		(9.6 - 12.0)E 2		(1.3 - 1.6)E 3	(1.1 - 1.6)E 3
			(4/ 4)		(2/ 2)	(4/ 4)
Cr-51	(8)		-5.8E 1	09	6.8E 0	-2.6E 1
	(0)		(-1.5 - 0.2)E 2		(-3.4 - 17.0)E 0	(-4.9 - 0.8)E 1
			(0/ 4)		(0/ 2)	(0/ 4)
Mn-54	(8)	130	3.6E 0	56	5.6E 0	1.1E 0
	(0)		(3.5 - 56.0)E -1		(1.3 - 10.0)E 0	(-3.6 - 10.0)E 0
			(0/ 4)		(0/ 2)	(0/ 4)
Co-57	(8)		-3.7E -1	06	-2.3E -1	-1.9E 0
	(0)		(-2.9 - 1.9)E 0		(-2.7 - -2.0)E -1	(-3.7 - 0.5)E 0
			(0/ 4)		(0/ 2)	(0/ 4)
Co-58	(8)	130	7.5E 0	06	1.3E 1	-1.4E 0
	(0)		(-1.8 - 13.9)E 0		(1.2 - 1.4)E 1	(-9.9 - 4.2)E 0
			(0/ 4)		(0/ 2)	(0/ 4)
Fe-59	(8)	260	4.9E 0	09	8.1E 0	4.0E -1
	(0)		(0.0 - 1.3)E 1		(3.2 - 13.0)E 0	(-1.1 - 1.2)E 1
			(0/ 4)		(0/ 2)	(0/ 4)
Co-60	(8)	130	2.6E 0	09	5.9E 0	6.8E -1
	(0)		(-5.3 - 13.0)E 0		(-1.2 - 13.0)E 0	(-2.9 - 6.7)E 0
			(0/ 4)		(0/ 2)	(0/ 4)
Zn-65	(8)	260	-1.3E 1	56	1.6E 0	-3.9E 0
	(0)		(-2.5 - 0.4)E 1		(2.5 - 30.0)E -1	(-1.1 - 0.3)E 1
			(0/ 4)		(0/ 2)	(0/ 4)
Se-75	(8)		-4.3E -1	06	5.3E 0	3.6E 0
	(0)		(-7.3 - 7.3)E 0		(3.3 - 7.3)E 0	(-7.4 - 12.6)E 0
			(0/ 4)		(0/ 2)	(0/ 4)
Zr-95	(8)		1.0E 1	09	1.3E 1	7.7E 0
	(0)		(-4.0 - 29.0)E 0		(-2.0 - 29.0)E 0	(-1.4 - 14.0)E 0
			(0/ 4)		(0/ 2)	(0/ 4)
Ru-103	(8)		3.9E 0	06	5.1E 0	-3.2E 0
	(0)		(-6.0 - 16.1)E 0		(-6.0 - 16.1)E 0	(-1.0 - 0.8)E 1
			(0/ 4)		(0/ 2)	(0/ 4)

* Non-Routine refers to those radionuclides that exceeded the Reporting Levels in ODCM Table A.9.1-3.
** The fraction of detectable measurements (i.e. >3 standard deviations with no uncertain identification) is shown in parentheses.

Table 3.9-1 (Continued)

Radiological Environmental Monitoring Program Summary
Seabrook Nuclear Power Station, Seabrook, NH
(January - December 2010)

MEDIUM: Mussel Body (MU) 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**)
Ru-106	(8)		4.0E 1	06	5.4E 1	7.5E 0
	(0)		(3.0 - 93.0)E 0		(1.6 - 9.3)E 1	(-2.8 - 3.3)E 1
			(0/ 4)		(0/ 2)	(0/ 4)
Ag-108m	(8)		2.3E 0	09	3.9E 0	-4.8E -1
	(0)		(-5.3 - 9.1)E 0		(-1.3 - 9.1)E 0	(-2.3 - 2.0)E 0
			(0/ 4)		(0/ 2)	(0/ 4)
Ag-110m	(8)		3.4E -1	09	1.3E 0	-3.7E 0
	(0)		(-5.0 - 3.8)E 0		(0.0 - 2.6)E 0	(-1.0 - 0.6)E 1
			(0/ 4)		(0/ 2)	(0/ 4)
Sb-124	(8)		1.0E 1	06	2.5E 1	-3.2E 0
	(0)		(-6.0 - 51.0)E 0		(-1.0 - 51.0)E 0	(-8.8 - 3.0)E 0
			(0/ 4)		(0/ 2)	(0/ 4)
Sb-125	(8)		7.1E 0	09	1.4E 1	-8.5E 0
	(0)		(-6.0 - 28.0)E 0		(2.5 - 2800.0)E -2	(-1.8 - -0.4)E 1
			(0/ 4)		(0/ 2)	(0/ 4)
I-131	(8)		3.4E 0	09	1.6E 1	9.1E 0
	(0)		(-5.1 - 3.3)E 1		(8.5 - 310.0)E -1	(0.0 - 2.0)E 1
			(0/ 4)		(0/ 2)	(0/ 4)
Cs-134	(8)	130	3.5E -1	06	3.0E 0	1.0E -1
	(0)		(-3.3 - 3.6)E 0		(2.4 - 3.6)E 0	(-4.7 - 3.3)E 0
			(0/ 4)		(0/ 2)	(0/ 4)
Cs-137	(8)	150	3.4E 0	56	8.2E 0	3.1E 0
	(0)		(-2.5 - 8.9)E 0		(3.7 - 12.7)E 0	(-6.5 - 12.7)E 0
			(0/ 4)		(0/ 2)	(0/ 4)
Ba-140	(8)		-3.4E 0	09	1.1E 1	-2.4E 0
	(0)		(-4.8 - 6.9)E 1		(-4.8 - 6.9)E 1	(-2.6 - 1.7)E 1
			(0/ 4)		(0/ 2)	(0/ 4)
Ce-141	(8)		1.7E 0	56	7.2E 0	-1.9E 0
	(0)		(-5.0 - 11.6)E 0		(4.4 - 10.0)E 0	(-1.5 - 1.0)E 1
			(0/ 4)		(0/ 2)	(0/ 4)
Ce-144	(8)		2.0E 1	56	3.6E 1	2.7E 1
	(0)		(-4.5 - 31.0)E 0		(1.7 - 5.5)E 1	(-1.6 - 5.5)E 1
			(0/ 4)		(0/ 2)	(0/ 4)
Tl-208	(4)		5.4E -1	59	1.5E 1	1.2E 1
	(0)		(-5.0 - 15.9)E -1			(9.3 - 15.1)E 0
			(0/ 2)		(0/ 1)	(0/ 2)

* Non-Routine refers to those radionuclides that exceeded the Reporting Levels in ODCM Table A.9.1-3.
** The fraction of detectable measurements (i.e. >3 standard deviations with no uncertain identification) is shown in parentheses.

Table 3.9-1 (Continued)

Radiological Environmental Monitoring Program Summary
Seabrook Nuclear Power Station, Seabrook, NH
(January - December 2010)

MEDIUM: Mussel Body (MU) 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**)
Pb-212	(4)		1.5E 1	06	2.4E 1	1.2E 1
	(0)		(6.1 - 23.9)E 0			(7.0 - 17.4)E 0
			(0/ 2)		(0/ 1)	(0/ 2)
Bi-214	(8)		6.7E 0	59	3.4E 1	1.6E 1
	(0)		(-1.9 - 19.2)E 0		(2.9 - 3.8)E 1	(-1.1 - 3.8)E 1
			(0/ 4)		(0/ 2)	(0/ 4)
Ra-226	(4)		9.1E 0	59	3.8E 1	2.3E 1
	(0)		(-9.3 - 192.0)E -1			(7.6 - 38.3)E 0
			(0/ 2)		(0/ 1)	(0/ 2)
Th-228	(4)		1.5E 1	06	2.4E 1	1.2E 1
	(0)		(6.1 - 23.9)E 0			(7.0 - 17.4)E 0
			(0/ 2)		(0/ 1)	(0/ 2)
Th-230	(4)		9.1E 0	59	3.8E 1	2.3E 1
	(0)		(-9.3 - 192.0)E -1			(7.6 - 38.3)E 0
			(0/ 2)		(0/ 1)	(0/ 2)
Th-232	(8)		7.7E 0	09	2.5E 1	1.0E 1
	(0)		(-2.5 - 6.7)E 1		(-1.7 - 6.7)E 1	(5.0 - 24.3)E 0
			(0/ 4)		(0/ 2)	(0/ 4)

* Non-Routine refers to those radionuclides that exceeded the Reporting Levels in ODCM Table A.9.1-3.
** The fraction of detectable measurements (i.e. >3 standard deviations with no uncertain identification) is shown in parentheses.

Table 3.9-2
Radiological Environmental Monitoring Program Summary
Seabrook Nuclear Power Station, Seabrook, NH
(January - December 2010)

MEDIUM: Mussel Shell (MS) 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**)
Sr-89	(2)		1.1E 2	06	1.1E 2	-8.8E 1
	(0)		(0/ 1)		(0/ 1)	(0/ 1)
Sr-90	(4)		2.1E 1	56	4.2E 1	4.2E 1
	(0)		(-5.6 - 47.0)E 0		(-1.7 - 10.2)E 1	(-1.7 - 10.2)E 1
			(0/ 2)		(0/ 2)	(0/ 2)

* Non-Routine refers to those radionuclides that exceeded the Reporting Levels in ODCM Table A.9.1-3.
** The fraction of detectable measurements (i.e. >3 standard deviations with no uncertain identification) is shown in parentheses.

3.10 Irish Moss

There is no REMP technical requirement defined in the ODCM to collect Irish Moss (algae) samples. As a supplement to the required REMP, semiannual Chondrus (Irish Moss) samples were collected from an indicator area near plant discharge (AL-05) and a control location (AL-55) within Ipswich Bay. If plant-related radionuclides were re-concentrating in the aquatic environment, an early indication of this may be shown in this type of environmental species. Four routine samples (two indicators and two controls) were collected for the year.

A gamma analysis was performed on each sample. Naturally occurring Potassium-40 (all samples) was detected in samples for both indicator and control stations. There were no plant-related radionuclides detected in any sample from either the indicator or control stations.

Therefore, no plant-related increasing or decreasing trends were observed. Subsequently, there is no dose or impact to the environment, through this pathway, from plant operations. This is consistent with the pre-operational program and with previous years of plant operations.

The REMP Summary Table 3.10-1 list the range of analysis results by radionuclide for Indicator and Control Stations for all Irish Moss (or seaweed) samples. In the fourth quarter of 2010, the change in environmental analysis laboratories from the AREVA Environmental Laboratory to GEL Laboratories, Inc., also marked the expanded search for naturally occurring radionuclides as reference characteristics of the media being evaluated. From this, the expanded list of isotopes for Potassium, Lead, Bismuth, Thorium, Thallium and Radium are included in the standard analysis spectrum. Attachment 1 to this report lists the individual analysis results for each measurement of Irish Moss under the Sample Type code AL.

Any sample collection and analysis deviations from the ODCM defined program, or reportable concentrations that may have occurred during the year, are described in Section 5.

Table 3.10-1

Radiological Environmental Monitoring Program Summary
Seabrook Nuclear Power Station, Seabrook, NH
(January - December 2010)

MEDIUM: Irish Moss (AL) 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**)
Be-7	(4)		9.4E 0	55	1.2E 2	1.2E 2
	(0)		(-2.0 - 3.9)E 1		(5.3 - 19.0)E 1	(5.3 - 19.0)E 1
			(0/ 2)		(0/ 2)	(0/ 2)
K-40	(4)		8.1E 3	05	8.1E 3	7.2E 3
	(0)		(7.5 - 8.6)E 3		(7.5 - 8.6)E 3	(6.9 - 7.5)E 3
			(2/ 2)		(2/ 2)	(2/ 2)
Cr-51	(4)		-3.3E 1	05	-3.3E 1	-8.2E 1
	(0)		(-7.6 - 1.0)E 1		(-7.6 - 1.0)E 1	(-1.2 - -0.4)E 2
			(0/ 2)		(0/ 2)	(0/ 2)
Mn-54	(4)		-7.0E -2	05	-7.0E -2	-4.8E 0
	(0)		(-8.1 - 8.0)E 0		(-8.1 - 8.0)E 0	(-8.0 - -1.6)E 0
			(0/ 2)		(0/ 2)	(0/ 2)
Co-57	(4)		-3.7E 0	55	-2.0E 0	-2.0E 0
	(0)		(-6.0 - -1.3)E 0		(-5.0 - 1.0)E 0	(-5.0 - 1.0)E 0
			(0/ 2)		(0/ 2)	(0/ 2)
Co-58	(4)		-5.0E 0	55	4.5E 0	4.5E 0
	(0)		(-6.0 - -3.9)E 0		(2.1 - 7.0)E 0	(2.1 - 7.0)E 0
			(0/ 2)		(0/ 2)	(0/ 2)
Fe-59	(4)		1.3E 1	05	1.3E 1	7.3E 0
	(0)		(8.3 - 18.0)E 0		(8.3 - 18.0)E 0	(-4.0 - 18.7)E 0
			(0/ 2)		(0/ 2)	(0/ 2)
Co-60	(4)		8.4E 0	05	8.4E 0	4.3E 0
	(0)		(-4.2 - 21.0)E 0		(-4.2 - 21.0)E 0	(6.4 - 80.0)E -1
			(0/ 2)		(0/ 2)	(0/ 2)
Zn-65	(4)		-2.2E 1	55	2.5E -1	2.5E -1
	(0)		(-3.4 - -1.0)E 1		(-1.0 - 1.1)E 1	(-1.0 - 1.1)E 1
			(0/ 2)		(0/ 2)	(0/ 2)
Se-75	(4)		-6.0E -1	05	-6.0E -1	-9.7E 0
	(0)		(-3.2 - 2.0)E 0		(-3.2 - 2.0)E 0	(-2.4 - 0.5)E 1
			(0/ 2)		(0/ 2)	(0/ 2)
Zr-95	(4)		2.3E 1	05	2.3E 1	2.6E 0
	(0)		(-3.0 - 49.0)E 0		(-3.0 - 49.0)E 0	(-2.0 - 7.2)E 0
			(0/ 2)		(0/ 2)	(0/ 2)
Ru-103	(4)		4.6E 0	05	4.6E 0	2.0E 0
	(0)		(-1.9 - 11.0)E 0		(-1.9 - 11.0)E 0	(-5.0 - 9.1)E 0
			(0/ 2)		(0/ 2)	(0/ 2)

* Non-Routine refers to those radionuclides that exceeded the Reporting Levels in ODCM Table A.9.1-3.
** The fraction of detectable measurements (i.e. >3 standard deviations with no uncertain identification) is shown in parentheses.

Table 3.10-1
Radiological Environmental Monitoring Program Summary
Seabrook Nuclear Power Station, Seabrook, NH
(January - December 2010)

MEDIUM: Irish Moss (AL) 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**)
Ru-106	(4)		9.1E 1	05	9.1E 1	3.3E 1
	(0)		(4.1 - 14.2)E 1 (0/ 2)		(4.1 - 14.2)E 1 (0/ 2)	(-1.4 - 2.0)E 2 (0/ 2)
Ag-108m	(4)		6.4E 0	05	6.4E 0	5.0E 0
	(0)		(3.9 - 9.0)E 0 (0/ 2)		(3.9 - 9.0)E 0 (0/ 2)	(-4.3 - 14.4)E 0 (0/ 2)
Ag-110m	(4)		-1.6E 0	55	3.1E 0	3.1E 0
	(0)		(-5.3 - 2.0)E 0 (0/ 2)		(-8.3 - 70.0)E -1 (0/ 2)	(-8.3 - 70.0)E -1 (0/ 2)
Sb-124	(4)		-1.4E 1	05	-1.4E 1	-1.4E 1
	(0)		(-2.2 - -0.6)E 1 (0/ 2)		(-2.2 - -0.6)E 1 (0/ 2)	(-2.9 - 0.0)E 1 (0/ 2)
Sb-125	(4)		-2.5E 1	55	-2.4E 1	-2.4E 1
	(0)		(-3.2 - -1.8)E 1 (0/ 2)		(-3.5 - -1.3)E 1 (0/ 2)	(-3.5 - -1.3)E 1 (0/ 2)
I-131	(4)		9.3E 0	55	2.1E 1	2.1E 1
	(0)		(4.0 - 14.7)E 0 (0/ 2)		(1.2 - 3.0)E 1 (0/ 2)	(1.2 - 3.0)E 1 (0/ 2)
Cs-134	(4)	60	7.1E 0	05	7.1E 0	5.0E -3
	(0)		(-2.5 - 16.7)E 0 (0/ 2)		(-2.5 - 16.7)E 0 (0/ 2)	(-3.1 - 3.1)E 0 (0/ 2)
Cs-137	(4)	80	-4.0E 0	55	-2.2E 0	-2.2E 0
	(0)		(-5.8 - -2.1)E 0 (0/ 2)		(-3.0 - -1.3)E 0 (0/ 2)	(-3.0 - -1.3)E 0 (0/ 2)
Ba-140	(4)		-7.7E 0	55	3.6E 1	3.6E 1
	(0)		(-1.7 - 0.2)E 1 (0/ 2)		(9.0 - 63.9)E 0 (0/ 2)	(9.0 - 63.9)E 0 (0/ 2)
Ce-141	(4)		1.3E 1	05	1.3E 1	-1.3E 0
	(0)		(1.1 - 24.0)E 0 (0/ 2)		(1.1 - 24.0)E 0 (0/ 2)	(-6.7 - 4.0)E 0 (0/ 2)
Ce-144	(4)		3.0E 1	05	3.0E 1	4.2E 0
	(0)		(9.4 - 51.0)E 0 (0/ 2)		(9.4 - 51.0)E 0 (0/ 2)	(-2.3 - 3.1)E 1 (0/ 2)

* Non-Routine refers to those radionuclides that exceeded the Reporting Levels in ODCM Table A.9.1-3.
** The fraction of detectable measurements (i.e. >3 standard deviations with no uncertain identification) is shown in parentheses.

Table 3.10-1

Radiological Environmental Monitoring Program Summary
Seabrook Nuclear Power Station, Seabrook, NH
(January - December 2010)

MEDIUM: Irish Moss (AL) 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**)
Tl-208 (2) (0)		-1.2E 0 (0/ 1)	55	4.9E 0 (0/ 1)	4.9E 0 (0/ 1)
Pb-212 (2) (0)		5.6E 0 (0/ 1)	55	1.1E 1 (0/ 1)	1.1E 1 (0/ 1)
Bi-214 (4) (0)		3.0E 0 (-4.0 - 10.1)E 0 (0/ 2)	55	1.3E 1 (9.5 - 252.0)E -1 (0/ 2)	1.3E 1 (9.5 - 252.0)E -1 (0/ 2)
Ra-226 (2) (0)		1.0E 1 (0/ 1)	05	1.0E 1 (0/ 1)	9.5E -1 (0/ 1)
Th-228 (4) (0)		4.6E 0 (3.7 - 5.6)E 0 (0/ 2)	55	3.0E 1 (1.1 - 5.0)E 1 (0/ 2)	3.0E 1 (1.1 - 5.0)E1 (0/ 2)
Th-230 (2) (0)		1.0E 1 (0/ 1)	05	1.0E 1 (0/ 1)	9.5E -1 (0/ 1)
Th-232 (2) (0)		-9.5E 1 (0/ 1)	55	5.2E 1 (0/ 1)	5.2E 1 (0/ 1)

* Non-Routine refers to those radionuclides that exceeded the Reporting Levels in ODCM Table A.9.1-3.
** The fraction of detectable measurements (i.e. >3 standard deviations with no uncertain identification) is shown in parentheses.

3.11 Food Crop

There is no requirement for food crop or vegetation samples as long as the required milk locations are available. As noted in Section 3.3, milk sampling at the minimum required number of locations in 2010 was not possible due to the limited inventory of milk animal sites in the plant vicinity. To compensate for this, vegetation samples were collected as part of the REMP. Section 3.12 describes the alternate broad leafy vegetation (TG) collections.

In addition to the broad leafy vegetation sampling, nine food crop (TF) samples were collected from three locations listed on Table 2.0-2 (two indicator stations, TF-02 and TF-03, one control station, TF-06) during the growing season months (June, July and August). These included strawberries in June (Lab number L16644), green beans in July (Lab number L16727), and tomatoes in August (Lab number L16755).

The only radionuclide detected in 2010 was naturally occurring K-40. Potassium 40 was detected in all samples from both indicator and control stations. No plant-related radionuclides were detected in any samples. Therefore, no increasing or decreasing trends are identified. Subsequently, there is no dose to the public or impact on the environment through this pathway from plant operations. This is consistent with the pre-operational program and with previous years of plant operations.

The following REMP Summary (Table 3.11-1) lists the range of analysis results by radionuclide for Indicator and Control Stations for the Food Crop environmental media. Attachment 1 to this report lists the individual analysis results for each measurement of Food Crops under the Sample Type code TF.

Any sample collection and analysis deviations from the ODCM defined program, or reportable concentrations that may have occurred during the year, are described in Section 5.

Table 3.11-1

Radiological Environmental Monitoring Program Summary
Seabrook Nuclear Power Station, Seabrook, NH
(January - December 2010)

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	Station With Highest Mean: Mean Range (No. Detected**)	Control Stations: Mean Range (No. Detected**)
Be-7 (9)		1.2E 1	06	5.1E 1	5.1E 1
(0)		(-1.3 - 0.9)E 2 (0/ 6)		(3.4 - 7.0)E 1 (0/ 3)	(3.4 - 7.0)E 1 (0/ 3)
K-40 (9)		1.7E 3	06	1.8E 3	1.8E 3
(0)		(1.2 - 2.4)E 3 (6/ 6)		(1.3 - 2.7)E 3 (3/ 3)	(1.3 - 2.7)E 3 (3/ 3)
Cr-51 (9)		4.7E 1	06	7.3E 1	7.3E 1
(0)		(-4.0 - 16.0)E 1 (0/ 6)		(4.8 - 11.0)E 1 (0/ 3)	(4.8 - 11.0)E 1 (0/ 3)
Mn-54 (9)		-1.6E 0	06	-6.7E -1	-6.7E -1
(0)		(-5.3 - 6.0)E 0 (0/ 6)		(-1.1 - 0.9)E 1 (0/ 3)	(-1.1 - 0.9)E 1 (0/ 3)
Co-57 (9)		4.2E 0	03	8.5E 0	-1.5E 0
(0)		(-3.5 - 9.3)E 0 (0/ 6)		(8.0 - 9.3)E 0 (0/ 3)	(-8.1 - 4.1)E 0 (0/ 3)
Co-58 (9)		-1.1E 1	06	8.0E 0	8.0E 0
(0)		(-3.0 - 0.2)E 1 (0/ 6)		(-1.1 - 2.1)E 1 (0/ 3)	(-1.1 - 2.1)E 1 (0/ 3)
Fe-59 (9)		2.3E 1	03	2.6E 1	-5.3E 0
(0)		(3.0 - 63.0)E 0 (0/ 6)		(7.0 - 63.0)E 0 (0/ 3)	(-4.0 - 5.4)E 1 (0/ 3)
Co-60 (9)		5.6E 0	02	1.4E 1	1.0E 1
(0)		(-1.2 - 1.6)E 1 (0/ 6)		(1.0 - 1.6)E 1 (0/ 3)	(8.0 - 14.0)E 0 (0/ 3)
Zn-65 (9)		-4.7E 0	02	-1.7E 0	-1.5E 1
(0)		(-4.7 - 2.5)E 1 (0/ 6)		(-4.7 - 2.5)E 1 (0/ 3)	(-5.4 - 3.7)E 1 (0/ 3)
Se-75 (9)		-2.1E 0	06	3.7E 0	3.7E 0
(0)		(-1.2 - 1.2)E 1 (0/ 6)		(-5.0 - 19.0)E 0 (0/ 3)	(-5.0 - 19.0)E 0 (0/ 3)
Zr-95 (9)		-7.0E 0	06	1.3E 0	1.3E 0
(0)		(-3.4 - 1.7)E 1 (0/ 6)		(-1.4 - 3.0)E 1 (0/ 3)	(-1.4 - 3.0)E 1 (0/ 3)
Ru-103 (9)		-5.5E 0	06	8.4E 0	8.4E 0
(0)		(-2.6 - 0.8)E 1 (0/ 6)		(2.2 - 13.0)E 0 (0/ 3)	(2.2 - 13.0)E 0 (0/ 3)

* Non-Routine refers to those radionuclides that exceeded the Reporting Levels in ODCM Table A.9.1-3.
** The fraction of detectable measurements (i.e. >3 standard deviations with no uncertain identification) is shown in parentheses.

Table 3.11-1 (Continued)

Radiological Environmental Monitoring Program Summary
Seabrook Nuclear Power Station, Seabrook, NH
(January - December 2010)

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	Station With Highest Mean Mean Range (No. Detected**)	Control Stations Mean Range (No. Detected**)
Ru-106	(9)		2.8E 1	02	5.3E 1	-2.3E 1
	(0)		(-6.0 - 23.0)E 1 (0/ 6)		(-6.0 - 23.0)E 1 (0/ 3)	(-2.1 - 0.8)E 2 (0/ 3)
Ag-108m	(9)		-9.5E -1	06	9.3E 0	9.3E 0
	(0)		(-1.0 - 1.2)E 1 (0/ 6)		(-5.0 - 26.0)E 0 (0/ 3)	(-5.0 - 26.0)E 0 (0/ 3)
Ag-110m	(9)		-6.7E 0	02	0.0E 0	-9.0E 0
	(0)		(-1.6 - 0.9)E 1 (0/ 6)		(-5.0 - 9.0)E 0 (0/ 3)	(-1.6 - 0.0)E 1 (0/ 3)
Sb-124	(9)		-1.3E 0	03	5.7E 0	5.3E 0
	(0)		(-3.8 - 4.0)E 1 (0/ 6)		(-1.4 - 2.1)E 1 (0/ 3)	(-1.6 - 1.6)E 1 (0/ 3)
Sb-125	(9)		-3.7E 0	02	1.0E 0	-2.0E 0
	(0)		(-2.0 - 2.9)E 1 (0/ 6)		(-2.0 - 2.9)E 1 (0/ 3)	(-1.4 - 1.5)E 1 (0/ 3)
I-131	(9)	60	-1.7E -1	02	3.2E 1	-3.7E 0
	(0)		(-6.1 - 3.5)E 1 (0/ 6)		(2.8 - 3.5)E 1 (0/ 3)	(-1.7 - 1.3)E 1 (0/ 3)
Cs-134	(9)	60	-2.9E 0	03	-1.2E 0	-3.4E 0
	(0)		(-8.4 - 7.2)E 0 (0/ 6)		(-6.6 - 7.2)E 0 (0/ 3)	(-7.0 - 1.1)E 0 (0/ 3)
Cs-137	(9)	80	-7.7E 0	06	6.0E 0	6.0E 0
	(0)		(-2.9 - -0.1)E 1 (0/ 6)		(2.0 - 11.0)E 0 (0/ 3)	(2.0 - 11.0)E 0 (0/ 3)
Ba-140	(9)		1.0E 1	02	1.4E 1	-5.7E 0
	(0)		(-1.9 - 3.2)E 1 (0/ 6)		(-2.0 - 32.0)E 0 (0/ 3)	(-4.1 - 4.4)E 1 (0/ 3)
Ce-141	(9)		-4.7E 0	02	-1.0E 0	-2.6E 1
	(0)		(-2.4 - 0.7)E 1 (0/ 6)		(-6.0 - 7.0)E 0 (0/ 3)	(-3.5 - -1.6)E 1 (0/ 3)
Ce-144	(9)		2.7E 1	02	3.7E 1	2.3E 1
	(0)		(-5.0 - 12.7)E 1 (0/ 6)		(1.1 - 7.3)E 1 (0/ 3)	(1.7 - 2.9)E 1 (0/ 3)
Th-232	(9)		-1.8E 0	06	3.3E 1	3.3E 1
	(0)		(-1.8 - 2.2)E 1 (0/ 6)		(-1.4 - 10.1)E 1 (0/ 3)	(-1.4 - 10.1)E 1 (0/ 3)

* Non-Routine refers to those radionuclides that exceeded the Reporting Levels in ODCM Table A.9.1-3.
** The fraction of detectable measurements (i.e. >3 standard deviations with no uncertain identification) is shown in parentheses.

3.12 Vegetation

In lieu of milk sampling, the ODCM, Table A.9.1-1, requires broad leafy vegetation (TG) samples grown in the nearest of two different offsite locations with the highest D/Q, and one control location 15-30 km distant in the least prevalent wind direction, be collected when available (growing season). Offsite locations are defined in the UFSAR, as the land beyond a 3000-foot radius of the two Containment building centerlines. The analysis of garden locations in the Land Use Census provides a ranking of potential sampling sites for use in determining sampling locations in the general population. Since sampling of three different types of broad leaf garden vegetables at high D/Q locations is not feasible due to uncertain availability, other types of broad leafy vegetation were utilized.

Two locations at the site boundary with a maximum D/Q (higher values than determined in the 2010 land use census garden listing) were selected over ranked D/Q gardens in the general population. These two Indicator locations (TG-08 and TG-09) are on site property in areas with available sample media. A third far field control location (TG-10) was selected in Georgetown, MA. Sampling tree leaves as broad leaf vegetation at the selected locations provide increased reliability for sample availability. For 2010, six monthly (growing season) broad leaf vegetation samples from the three sites were collected and analyzed by gamma spectroscopy.

The only radionuclides detected in 2010 were all naturally occurring, primarily K-40, Be-7 and Thorium-232. Both K-40 and Be-7 were detected at both indicator and control locations. Potassium-40 was seen in all 18 samples, while Be-7 was detected as positive in 15 of the 18 samples analyzed. Thorium-232 was also found in 2 indicator samples. In the fourth quarter of 2010, the change in environmental analysis laboratories from the AREVA Environmental Laboratory to GEL Laboratories, Inc., also marked the expanded search for naturally occurring radionuclides as reference characteristics of the media being evaluated. From this, the expanded list of natural isotopes for Potassium, Lead, Bismuth, Thorium, and Radium are included in the standard analysis spectrum. No plant-related radionuclides were detected in any samples. Utilizing the results of broad leaf vegetation sampling for broad leaf food products, there was no detectable dose impact to the public or on the environment through this food ingestion pathway from plant operations.

The following REMP Summary (Table 3.12-1) lists the range of analysis results by radionuclide for Indicator and Control Stations for the vegetation environmental media. Attachment 1 to this report lists the individual analysis results for each measurement of vegetation under the Sample Type code TG.

Any sample collection and analysis deviations from the ODCM required program, or reportable concentrations that may have occurred during the year are described in Section 5.

Table 3.12-1

Radiological Environmental Monitoring Program Summary
Seabrook Nuclear Power Station, Seabrook, NH
(January - December 2010)

MEDIUM: Vegetation (TG) 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**)
Be-7	(18)		1.4E 3	10	1.9E 3	1.9E 3
	(0)		(2.8 - 34.7)E 2 (10/ 12)		(6.5 - 42.6)E 2 (5/ 6)	(6.5 - 42.6)E 2 (5/ 6)
K-40	(18)		3.7E 3	08	3.7E 3	3.3E 3
	(0)		(2.5 - 6.1)E 3 (12/ 12)		(3.0 - 4.7)E 3 (6/ 6)	(2.5 - 4.8)E 3 (6/ 6)
Cr-51	(18)		-7.9E 1	08	-5.5E 1	-6.0E 1
	(0)		(-3.5 - 0.5)E 2 (0/ 12)		(-1.6 - 0.0)E 2 (0/ 6)	(-2.5 - 1.7)E 2 (0/ 6)
Mn-54	(18)		5.1E 0	09	5.8E 0	-3.2E -1
	(0)		(-7.0 - 31.0)E 0 (0/ 12)		(-5.0 - 15.0)E 0 (0/ 6)	(-1.7 - 1.2)E 1 (0/ 6)
Co-57	(18)		-8.5E -1	08	-6.4E -1	-1.2E 0
	(0)		(-8.6 - 6.6)E 0 (0/ 12)		(-3.0 - 3.8)E 0 (0/ 6)	(-1.1 - 0.2)E 1 (0/ 6)
Co-58	(18)		-3.9E 0	08	1.2E 0	-6.1E 0
	(0)		(-2.0 - 1.9)E 1 (0/ 12)		(-1.4 - 1.9)E 1 (0/ 6)	(-1.6 - 0.8)E 1 (0/ 6)
Fe-59	(18)		-1.2E 0	10	6.3E 0	6.3E 0
	(0)		(-6.1 - 5.5)E 1 (0/ 12)		(-1.5 - 4.5)E 1 (0/ 6)	(-1.5 - 4.5)E 1 (0/ 6)
Co-60	(18)		-3.8E 0	08	1.9E 0	-2.8E 0
	(0)		(-3.0 - 3.6)E 1 (0/ 12)		(-2.5 - 3.6)E 1 (0/ 6)	(-2.6 - 2.8)E 1 (0/ 6)
Zn-65	(18)		-2.2E 1	10	-9.3E 0	-9.3E 0
	(0)		(-9.2 - 5.6)E 1 (0/ 12)		(-3.9 - 3.2)E 1 (0/ 6)	(-3.9 - 3.2)E 1 (0/ 6)
Se-75	(18)		-3.3E 0	09	2.1E 0	5.2E -1
	(0)		(-4.3 - 1.7)E 1 (0/ 12)		(-1.0 - 1.7)E 1 (0/ 6)	(-1.8 - 0.9)E 1 (0/ 6)
Zr-95	(18)		3.7E 0	09	1.8E 1	4.1E 0
	(0)		(-4.3 - 5.2)E 1 (0/ 12)		(-9.4 - 52.0)E 0 (0/ 6)	(-1.1 - 3.1)E 1 (0/ 6)
Ru-103	(18)		-1.8E 0	10	2.1E 0	2.1E 0
	(0)		(-1.5 - 1.7)E 1 (0/ 12)		(-2.5 - 2.6)E 1 (0/ 6)	(-2.5 - 2.6)E 1 (0/ 6)

* Non-Routine refers to those radionuclides that exceeded the Reporting Levels in ODCM Table A.9.1-3.
** The fraction of detectable measurements (i.e. >3 standard deviations with no uncertain identification) is shown in parentheses.

Table 3.12-1 (Continued)

Radiological Environmental Monitoring Program Summary
Seabrook Nuclear Power Station, Seabrook, NH
(January - December 2010)

MEDIUM: Vegetation (TG) 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**)
Ru-106	(18) (0)		1.1E 1 (-1.2 - 2.4)E 2 (0/ 12)	09	1.2E 1 (-1.9 - 10.0)E 1 (0/ 6)	4.1E 0 (-9.0 - 15.0)E 1 (0/ 6)
Ag-108m	(18) (0)		3.9E 0 (-1.0 - 1.7)E 1 (0/ 12)	08	5.3E 0 (-1.0 - 1.7)E 1 (0/ 6)	-9.5E -1 (-1.8 - 2.3)E 1 (0/ 6)
Ag-110m	(18) (0)		-6.6E 0 (-2.1 - 1.0)E 1 (0/ 12)	10	2.3E 0 (-2.1 - 2.9)E 1 (0/ 6)	2.3E 0 (-2.1 - 2.9)E 1 (0/ 6)
Sb-124	(18) (0)		2.7E 0 (-5.0 - 3.4)E 1 (0/ 12)	08	6.8E 0 (-1.6 - 3.4)E 1 (0/ 6)	-8.8E 0 (-7.4 - 2.5)E 1 (0/ 6)
Sb-125	(18) (0)		1.2E -1 (-4.9 - 4.1)E 1 (0/ 12)	08	7.5E 0 (-2.5 - 4.1)E 1 (0/ 6)	-3.2E 1 (-8.3 - 1.5)E 1 (0/ 6)
I-131	(18) (0)	60	-2.6E 0 (-8.2 - 3.5)E 1 (0/ 12)	10	4.7E 0 (-1.7 - 4.7)E 1 (0/ 6)	4.7E 0 (-1.7 - 4.7)E 1 (0/ 6)
Cs-134	(18) (0)	60	2.6E -2 (-2.2 - 2.0)E 1 (0/ 12)	08	5.8E 0 (-2.0 - 20.0)E 0 (0/ 6)	-1.7E 0 (-2.0 - 1.9)E 1 (0/ 6)
Cs-137	(18) (0)	80	7.1E -1 (-2.6 - 2.5)E 1 (0/ 12)	10	1.8E 1 (-5.0 - 38.0)E 0 (0/ 6)	1.8E 1 (-5.0 - 38.0)E 0 (0/ 6)
Ba-140	(18) (0)		1.6E 1 (-4.1 - 8.8)E 1 (0/ 12)	08	3.8E 1 (-7.0 - 88.0)E 0 (0/ 6)	2.5E 1 (-5.6 - 7.7)E 1 (0/ 6)
Ce-141	(18) (0)		2.3E 0 (-3.9 - 2.7)E 1 (0/ 12)	09	9.4E 0 (5.6 - 270.0)E -1 (0/ 6)	4.7E 0 (-1.6 - 3.0)E 1 (0/ 6)
Ce-144	(18) (0)		1.0E 1 (-6.2 - 11.1)E 1 (0/ 12)	08	1.7E 1 (-6.2 - 11.1)E 1 (0/ 6)	-1.1E 1 (-6.7 - 8.0)E 1 (0/ 6)
Pb-212	(1) (0)		1.6E 1 (0/ 1)	09	1.6E 1 (0/ 1)	NO DATA

* Non-Routine refers to those radionuclides that exceeded the Reporting Levels in ODCM Table A.9.1-3.
** The fraction of detectable measurements (i.e. >3 standard deviations with no uncertain identification) is shown in parentheses.

Table 3.12-1 (Continued)

Radiological Environmental Monitoring Program Summary
Seabrook Nuclear Power Station, Seabrook, NH
(January - December 2010)

MEDIUM: Vegetation (TG) UNITS: pCi/kg wet

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**)
Pb-214	(2)		4.7E 1	09	4.7E 1	NO DATA
	(0)		(4.0 - 5.4)E 1		(4.0 - 5.4)E 1	
			(2/ 2)		(2/ 2)	
Ra-226	(1)		5.4E 1	09	5.4E 1	NO DATA
	(0)					
			(1/ 1)		(1/ 1)	
Th-228	(7)		4.9E 1	09	7.4E 1	1.5E 1
	(0)		(8.4 - 103.0)E 0		(1.6 - 10.3)E 1	(9.7 – 19.8)E 0
			(2/ 5)		(2/ 3)	(0/ 2)
Th-230	(1)		5.4E 1	09	5.4E 1	NO DATA
	(0)					
			(1/ 1)		(1/ 1)	
Th-232	(16)		5.8E 1	08	8.3E 1	5.7E 1
	(0)		(-6.5 - 12.2)E 1		(-1.6 - 12.2)E 1	(1.0 - 10.7)E 1
			(1/ 11)		(0/ 5)	(0/ 5)

* Non-Routine refers to those radionuclides that exceeded the Reporting Levels in ODCM Table A.9.1-3.
** The fraction of detectable measurements (i.e. >3 standard deviations with no uncertain identification) is shown in parentheses.

3.13 Direct Radiation

Direct gamma radiation exposure was measured with thermoluminescent dosimeters (TLDs). Two TLD badges are placed at each of the monitoring stations. Each TLD badge has three $CaSO_4$: Tm elements. A location result is an average of six independent readings per quarter. A total of forty-seven stations are located offsite, forty of which are required by the ODCM. The badges were collected and read out on a quarterly schedule.

The exposure rates were normalized to a 91-day quarter. A summary of the 2010 data for the plant operational REMP is shown in Table 3.13-1. Overall, the REMP direct radiation program showed no statistically significant indication of increased direct radiation above the variable background measured exposure rate in unrestricted areas. This is demonstrated by the fact that indicator location results are statistically the same as control locations. The 2010 annual mean of all indicator locations was 16.9 mR/91-day quarter while the mean of all control locations was 18.4 mR/91-day quarter. This indicates that collectively there is no statistical difference in the annual direct dose as a function of distance from the plant. All observed differences of the 2010 individual location TLD measurements when compared with pre-operational TLD measurements (see Table 3.13-2 for pre-operational history) reflect expected random variability. No direct radiation dose beyond the site boundary was attributed to station operation during 2010.

The direct radiation-monitoring program demonstrated that there was no offsite dose to the public or impact to the environment from the operation of the plant. Therefore, no increasing or decreasing trends were detected.

Any sample collection and analysis deviations from the ODCM required program that may have occurred during the year are described in Section 5.

TABLE 3.13-1

Environmental TLD Measurements
Net Exposure in mR/Standard Quarter (91 days)

2010

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.
TL-01	Brimmer's Lane	16.6 ±	0.9	20.8 ±	0.7	17.6 ±	0.6	20.7 ±	0.6	18.9
TL-02	Landing Road	12.7 ±	0.6	# ±		12.9 ±	0.8	14.9 ±	0.8	13.5
TL-03	Glade Path	14.2 ±	0.8	16.6 ±	0.7	13.9 ±	0.7	16.1 ±	0.6	15.2
TL-04	Island Path	14.6 ±	0.7	18.4 ±	0.6	14.7 ±	0.7	17.6 ±	0.7	16.3
TL-05	Harbor Road	13.5 ±	0.6	16.6 ±	0.6	13.0 ±	0.6	15.8 ±	0.7	14.7
TL-06	Barge Landing	14.1 ±	0.5	17.3 ±	0.8	14.0 ±	0.6	16.4 ±	0.6	15.5
TL-07	Cross Road	11.6 ±	0.7	14.7 ±	0.8	10.6 ±	0.4	14.3 ±	1.2	12.8
TL-08	Farm Lane	15.0 ±	0.8	17.5 ±	1.2	15.7 ±	0.7	17.8 ±	1.0	16.5
TL-09	Farm Lane	15.5 ±	0.5	18.9 ±	1.8	15.9 ±	0.6	18.4 ±	0.8	17.2
TL-10	Site Boundary	16.4 ±	0.8	19.8 ±	1.0	17.5 ±	0.7	19.8 ±	0.8	18.4
TL-11	Site Boundary	16.3 ±	0.6	19.4 ±	1.1	17.9 ±	0.7	19.2 ±	0.8	18.2
TL-12	Site Boundary	16.5 ±	0.7	19.7 ±	0.7	18.5 ±	1.1	20.6 ±	0.9	18.8
TL-13	Inside Site Boundary	19.3 ±	0.8	22.5 ±	1.0	19.1 ±	0.7	21.9 ±	0.8	20.7
TL-14	Trailer Park	14.9 ±	0.8	18.0 ±	1.1	15.2 ±	0.7	17.8 ±	0.8	16.5
TL-15	Brimmer's Lane	17.5 ±	0.7	21.2 ±	0.8	18.4 ±	0.7	21.1 ±	0.7	19.6
TL-16	Brimmer's Lane	15.6 ±	0.9	19.0 ±	1.5	15.9 ±	0.7	18.0 ±	0.9	17.1
TL-17	South Road	15.7 ±	1.0	18.9 ±	0.8	16.2 ±	0.6	18.1 ±	0.7	17.2
TL-18	Mill Road	14.2 ±	0.8	17.9 ±	0.7	15.1 ±	0.8	17.7 ±	0.6	16.2
TL-19	Appledore Avenue	14.4 ±	0.7	17.8 ±	0.6	14.4 ±	0.7	17.5 ±	0.6	16.0
TL-20	Ashworth Avenue	17.3 ±	1.1	19.4 ±	1.1	15.8 ±	0.8	19.6 ±	1.6	18.0
TL-21	Route 1A	17.3 ±	0.6	19.9 ±	1.6	17.0 ±	0.7	20.0 ±	0.9	18.6
TL-22	Cable Avenue	15.3 ±	0.8	18.3 ±	0.6	15.1 ±	0.8	17.7 ±	0.9	16.6
TL-23	Ferry Road	14.4 ±	0.8	18.0 ±	0.7	14.8 ±	0.6	17.1 ±	0.7	16.1
TL-24	Ferry Lots Lane	14.0 ±	0.7	17.6 ±	1.2	15.4 ±	0.8	16.8 ±	0.8	16.0
TL-25	Elm Street	15.1 ±	0.8	16.6 ±	1.2	15.1 ±	0.7	17.0 ±	0.8	16.0
TL-26	Route 107A	14.2 ±	0.7	16.7 ±	0.8	15.9 ±	0.6	17.1 ±	0.8	16.0
TL-27	Highland Street	15.0 ±	0.8	17.4 ±	0.7	16.2 ±	0.8	17.8 ±	0.9	16.6
TL-28	Route 150	14.6 ±	0.7	17.8 ±	1.2	17.3 ±	0.9	18.2 ±	1.6	17.0
TL-29	Frying Pan Lane	14.2 ±	0.6	16.2 ±	0.6	16.3 ±	1.0	16.3 ±	0.6	15.8
TL-30	Route 27	14.2 ±	0.9	17.8 ±	0.8	15.5 ±	0.7	17.4 ±	0.8	16.2
TL-31	Alumni Drive	13.4 ±	1.2	17.1 ±	0.7	14.5 ±	1.0	16.0 ±	0.6	15.3
TL-32	SB Elementary School	16.8 ±	0.7	19.7 ±	0.8	17.4 ±	0.7	20.0 ±	0.7	18.5
TL-33	Dock Area	17.1 ±	0.7	20.1 ±	0.7	17.2 ±	1.0	20.1 ±	1.2	18.6
TL-34	Bow Street	19.5+ ±	1.5	22.1 ±	1.0	19.3 ±	0.7	20.9 ±	0.8	20.5
TL-35	Lincoln Ack. School	17.0 ±	0.7	21.1 ±	0.8	18.4 ±	1.4	20.3 ±	0.9	19.2
TL-36	Route 97(Control)	14.4 ±	0.8	17.9 ±	0.8	14.7 ±	0.8	17.4 ±	0.6	16.1
TL-37	Plaistow, NH (Control)	16.7 ±	0.7	20.6 ±	1.0	17.2 ±	0.6	20.2 ±	1.1	18.7
TL-38	Hampstead, NH (Control)	18.8 ±	0.7	22.9 ±	0.8	18.8 ±	0.8	21.8 ±	1.0	20.6
TL-39	Fremont, NH (Control)	21.9 ±	1.5	23.8 ±	1.1	21.7 ±	1.1	23.1 ±	1.0	22.6
TL-40	Newmarket, NH (Control)	15.7 ±	0.7	19.3 ±	1.0	17.3 ±	1.1	19.8 ±	1.5	18.0

TABLE 3.13-1 (Continued)

Environmental TLD Measurements
Net Exposure in mR/Standard Quarter (91 days)

2010

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.
TL-41	Portsmouth, NH (Control)	16.1	±	0.8	18.9	±	0.9	17.1	±	0.7	18.2	±	0.7	17.6
TL-42	Ipswich, MA (Control)	*	±		15.9	±	0.8	13.5	±	0.7	15.6	±	0.8	15.0
TL-43	Rocks Road Landing	12.3	±	0.7	14.1	±	0.5	14.3	±	0.7	15.0	±	0.7	13.9
TL-44	SB Education Center	13.4	±	0.5	15.9	±	0.8	16.5	±	0.7	16.1	±	0.7	15.5
TL-45	Hampton Fire Station	15.6	±	1.0	18.6	±	0.8	16.8	±	0.6	18.3	±	0.9	17.3
TL-46	SB Police Station	22.4+	±	2.1	17.9	±	1.0	15.8	±	0.8	18.0	±	0.8	18.5
TL-47	Route 84	15.5	±	0.9	17.5	±	0.9	15.5	±	0.8	16.2	±	0.6	16.2
	Mean of Indicators	15.4			18.3			15.9			18.0			16.9
	Mean of Controls	17.3			19.9			17.2			19.4			18.4

* TLD was found on the ground and damaged at time of collection.
\+ TLD package found wet at time of collection, likely from rain which could influence reading high.
\# TLD was missing at quarterly change out.

Table 3.13-2

Pre-Operational Environmental TLD Measurements
Net Exposure in mR/Standard Quarter (91 days)

	1st Quarter Exp.	2nd Quarter Exp.	3rd Quarter Exp.	4th Quarter Exp.	Annual Ave. Exp.
1982					
Mean of Indicators	--	17.1	18.1	17.5	17.6
Mean of Controls	--	16.9	18.1	17.9	16.8
1983					
Mean of Indicators	16.7	17.1	18.8	17.9	17.6
Mean of Controls	16.9	17.5	18.7	18.4	17.9
1984					
Mean of Indicators	16.1	17.1	16.9	17.5	17.0
Mean of Controls	17.6	17.4	15.8	18.7	17.4
1985					
Mean of Indicators	16.9	18.0	18.9	16.1	17.4
Mean of Controls	16.8	17.7	18.9	16.1	17.4
1986					
Mean of Indicators	14.0	15.5	15.3	15.0	15.0
Mean of Controls	13.9	18.0	16.8	15.1	16.0
1987					
Mean of Indicators	12.7	14.8	15.0	14.4	14.2
Mean of Controls	13.0	14.8	15.3	15.0	14.6
1988					
Mean of Indicators	13.5	14.1	14.7	14.9	14.3
Mean of Controls	13.3	14.4	18.1	14.6	15.1
1989					
Mean of Indicators	14.4	14.3	--	--	14.4
Mean of Controls	14.0	14.4	--	--	14.2
All Pre-Operational					
Mean of Indicators	14.9	16.0	16.8	16.2	15.9
Mean of Controls	15.1	16.4	17.4	16.5	16.2

FIGURE 3.6

ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs) SEABROOK STATION

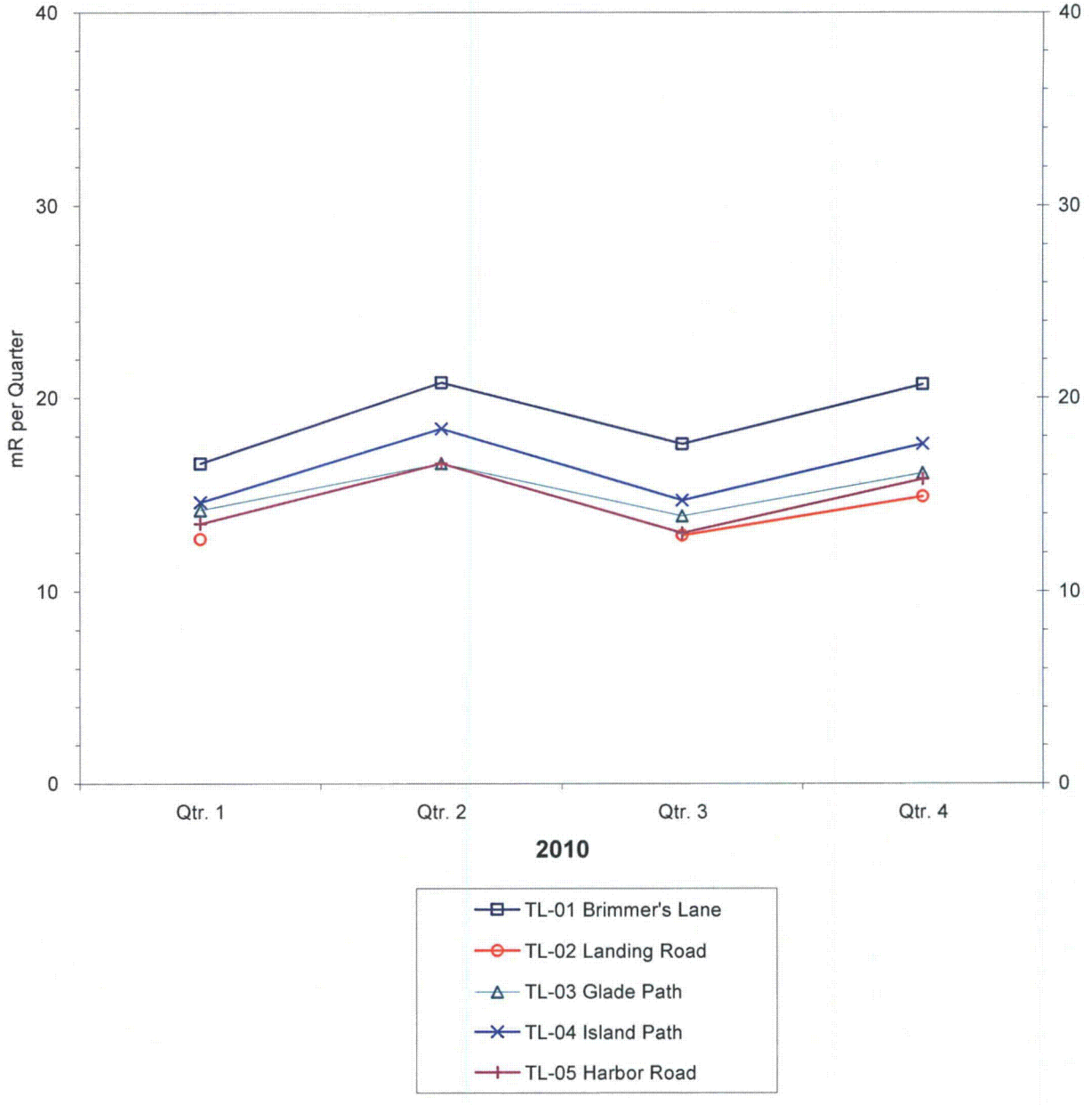


FIGURE 3.6.1

ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs)
SEABROOK STATION

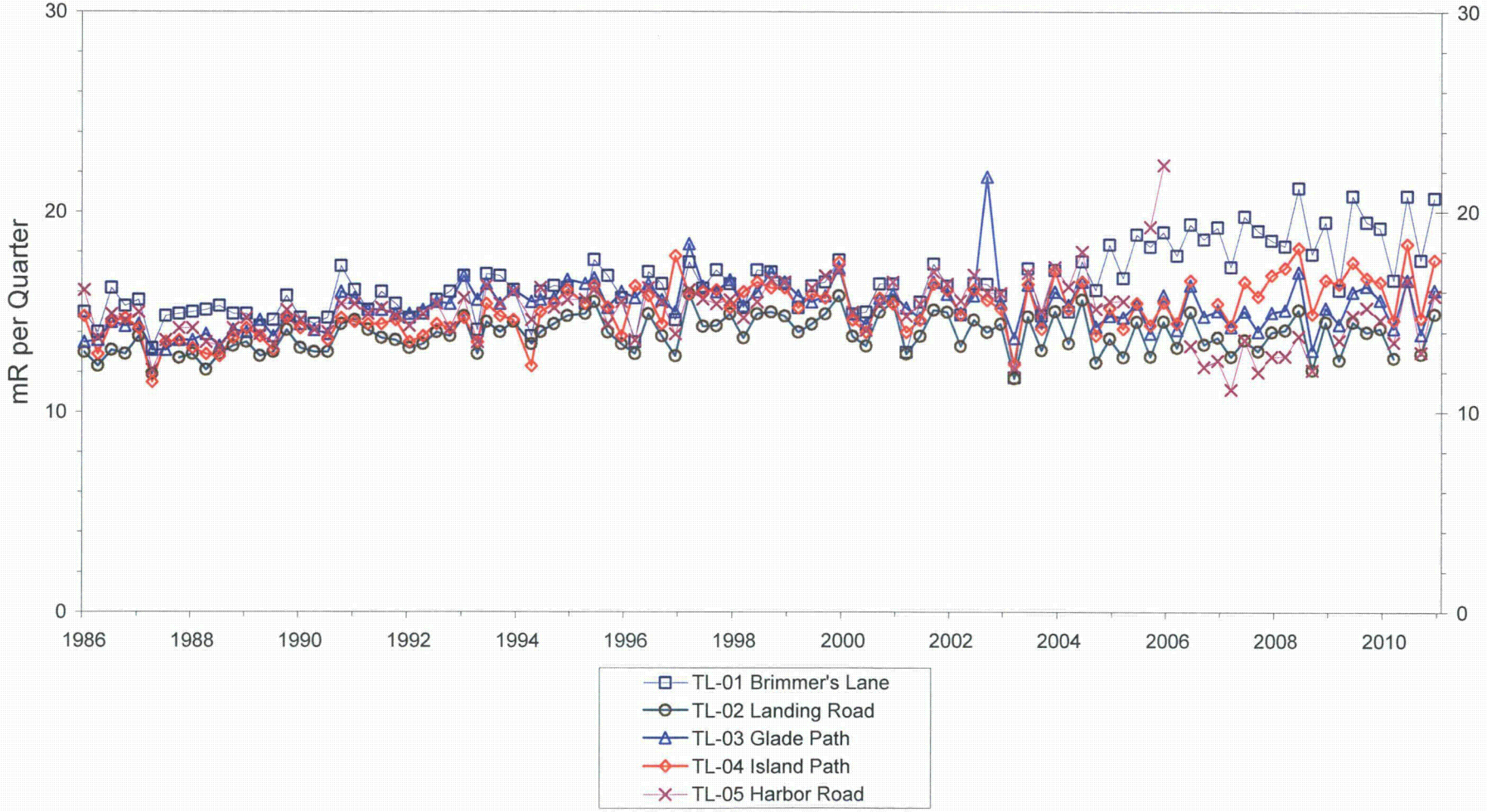


FIGURE 3.7

ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs)
SEABROOK STATION

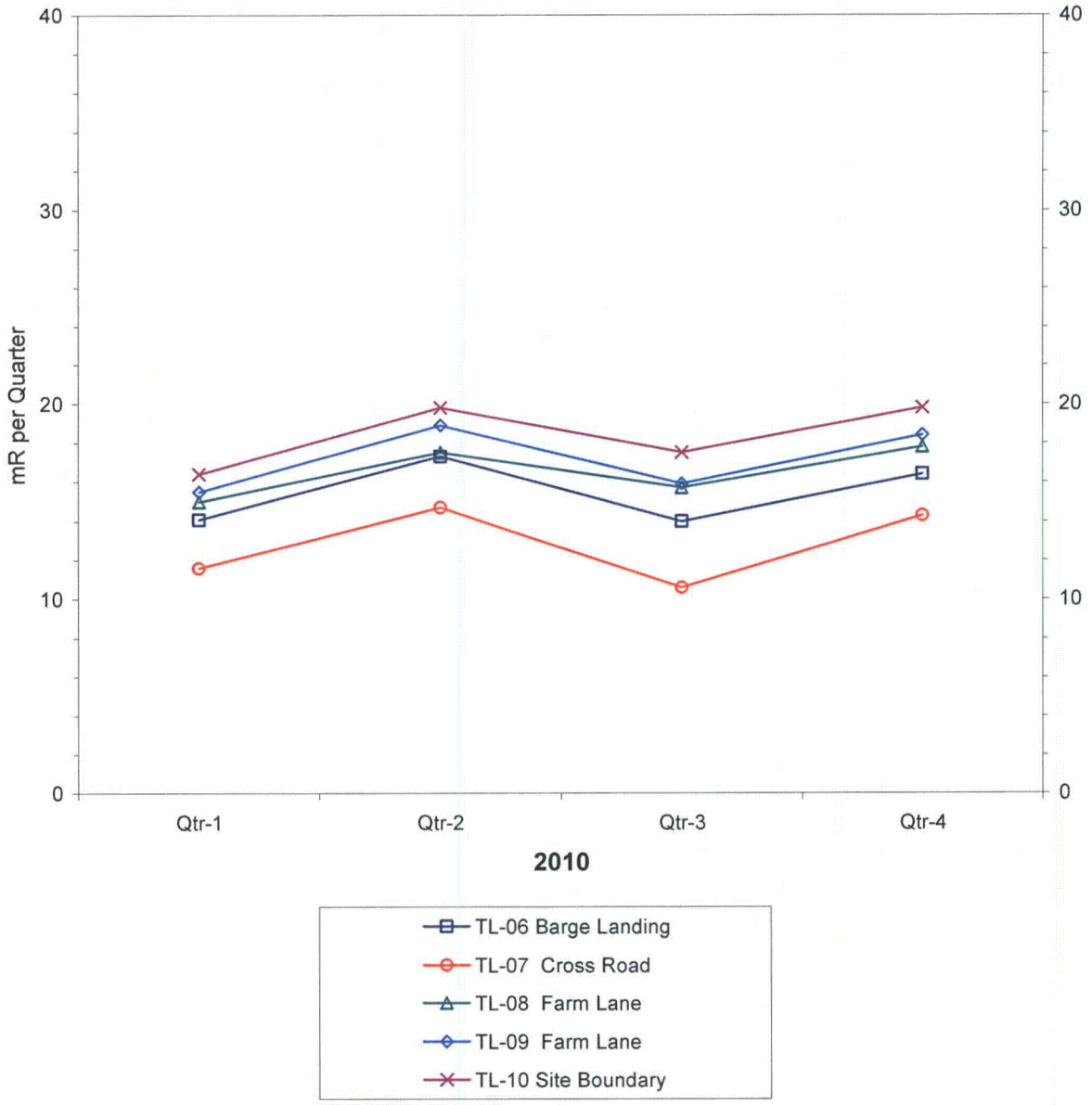


FIGURE 3.7.1

ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs)
SEABROOK STATION

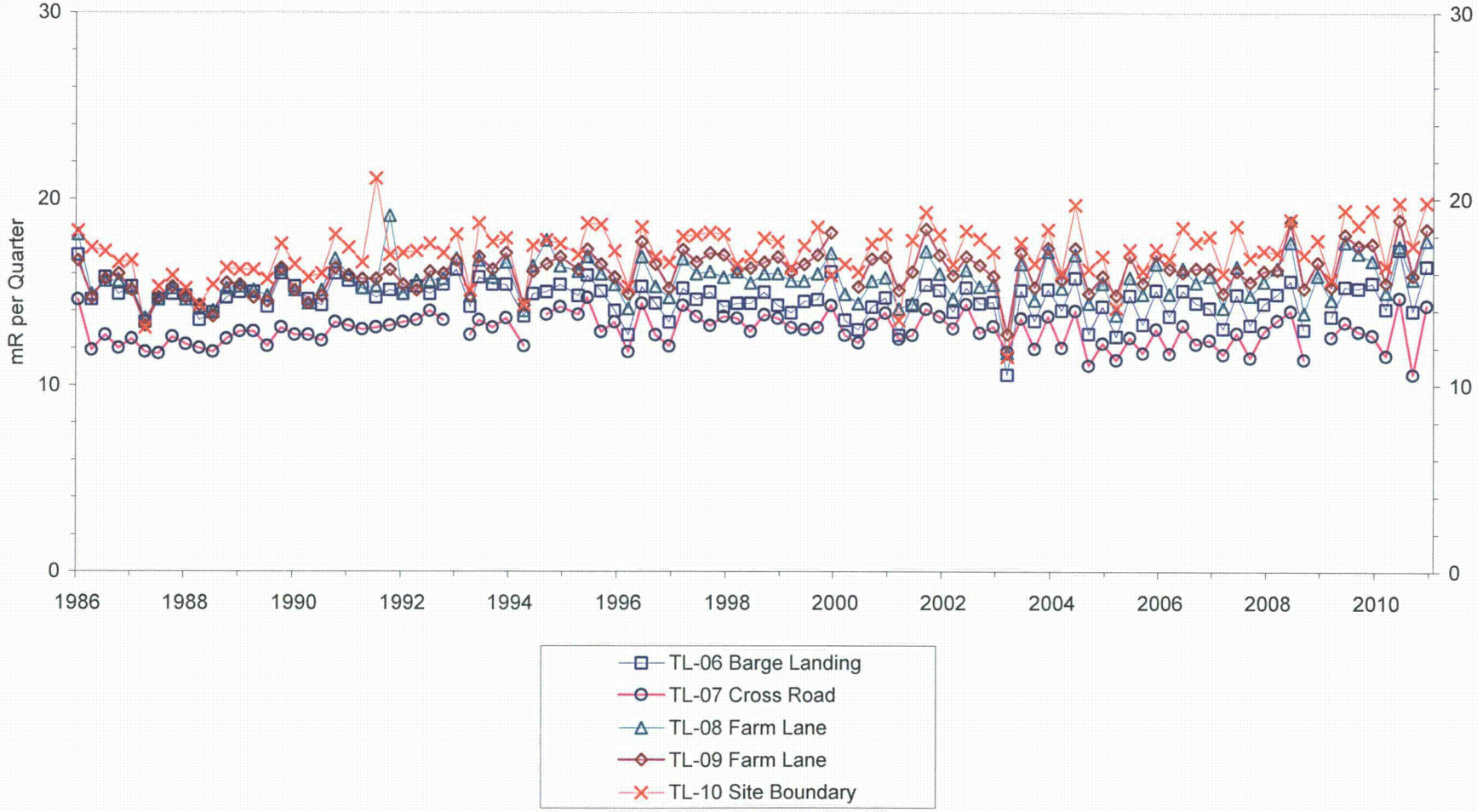


FIGURE 3.8

ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs)
SEABROOK STATION

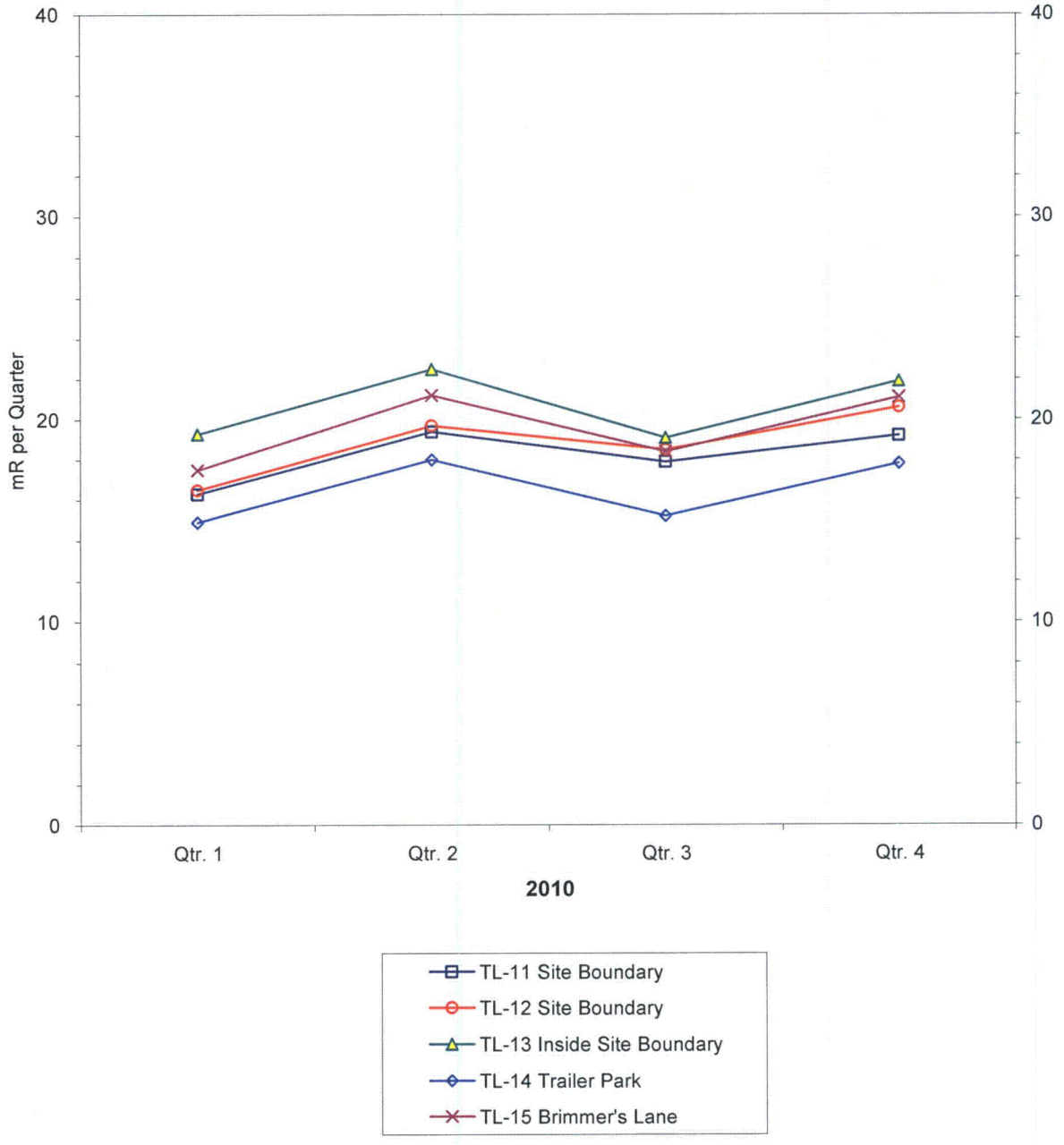


FIGURE 3.8.1

ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs)
SEABROOK STATION

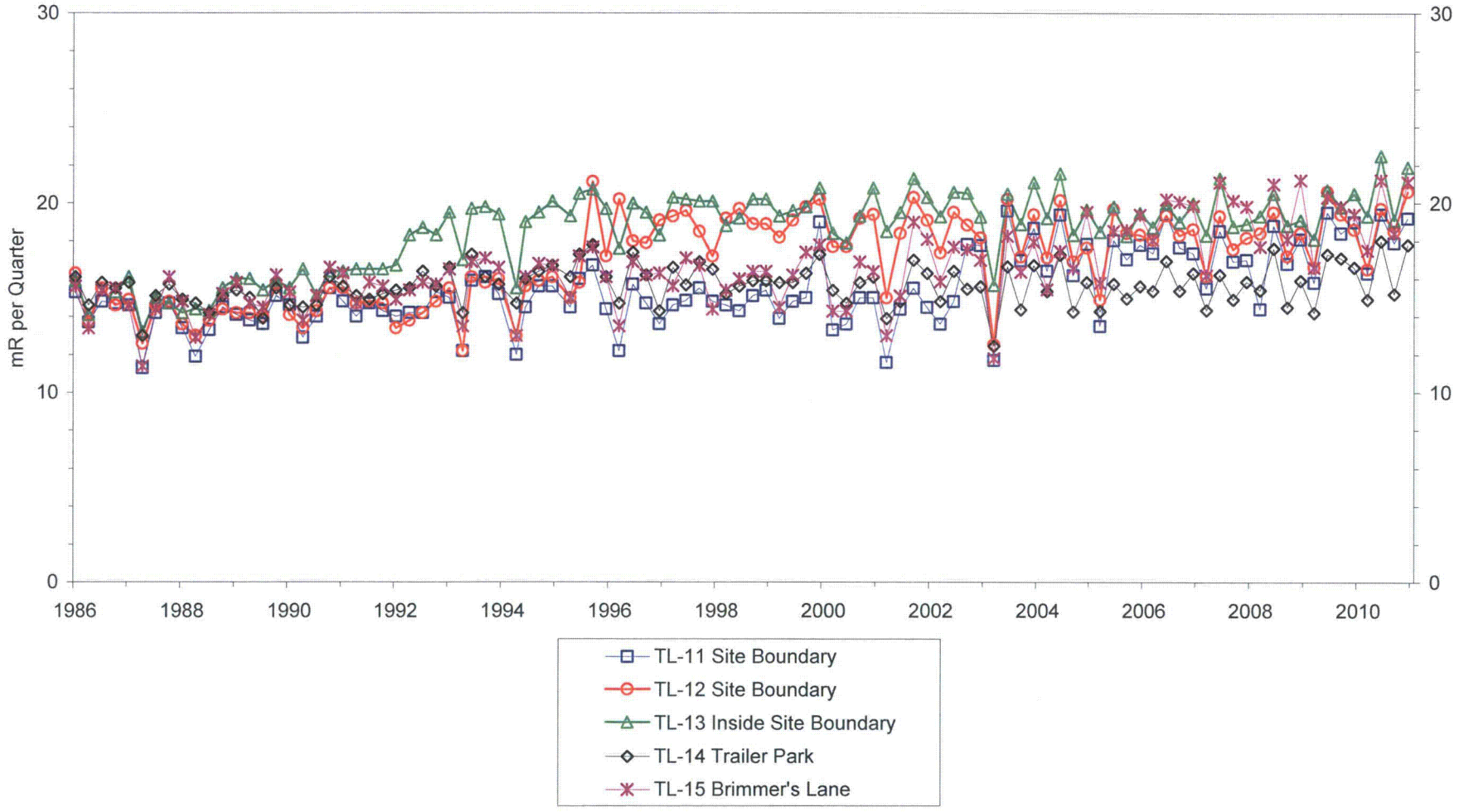


FIGURE 3.9

ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs) SEABROOK STATION

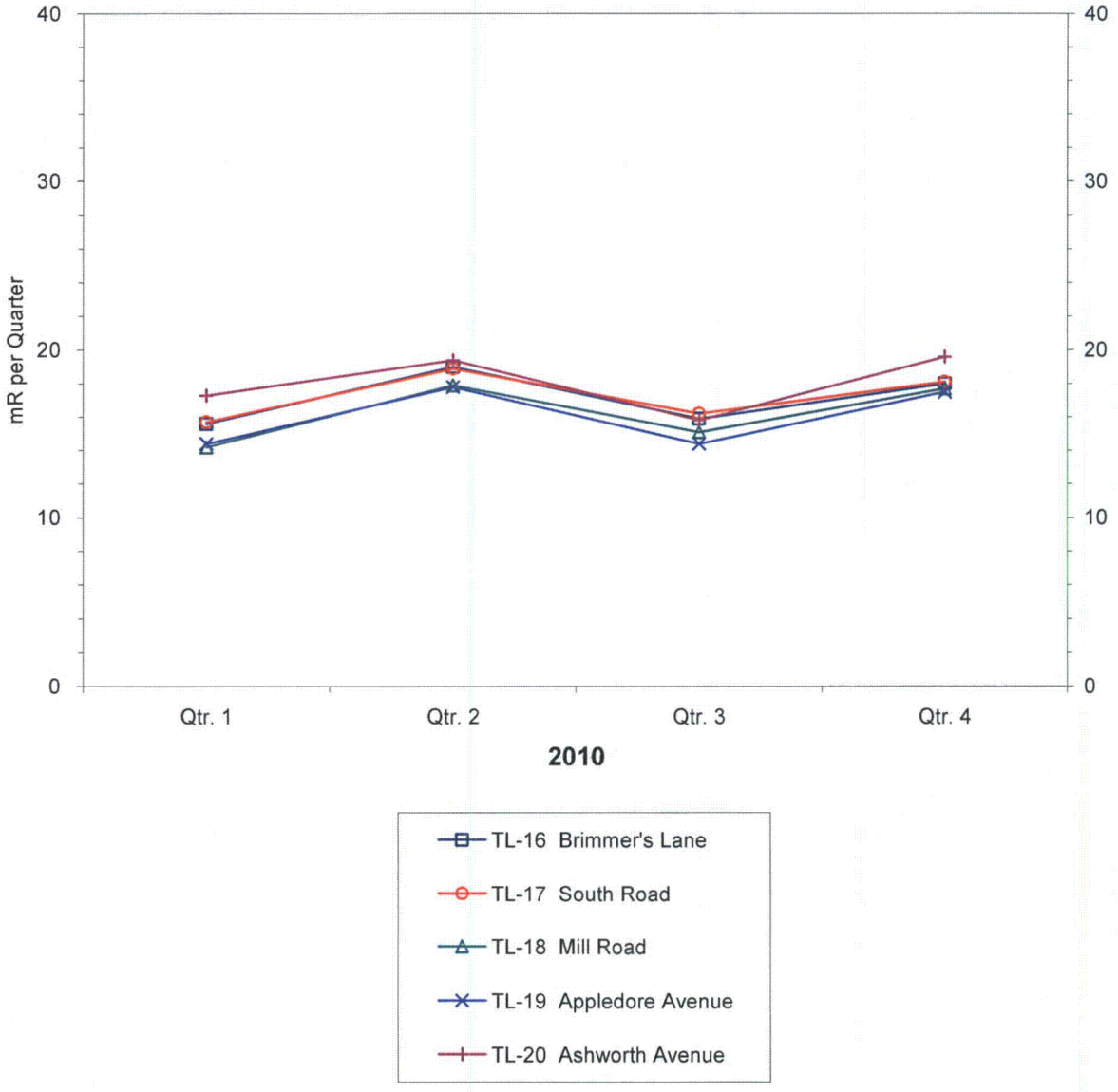


FIGURE 3.9.1

ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs) SEABROOK STATION

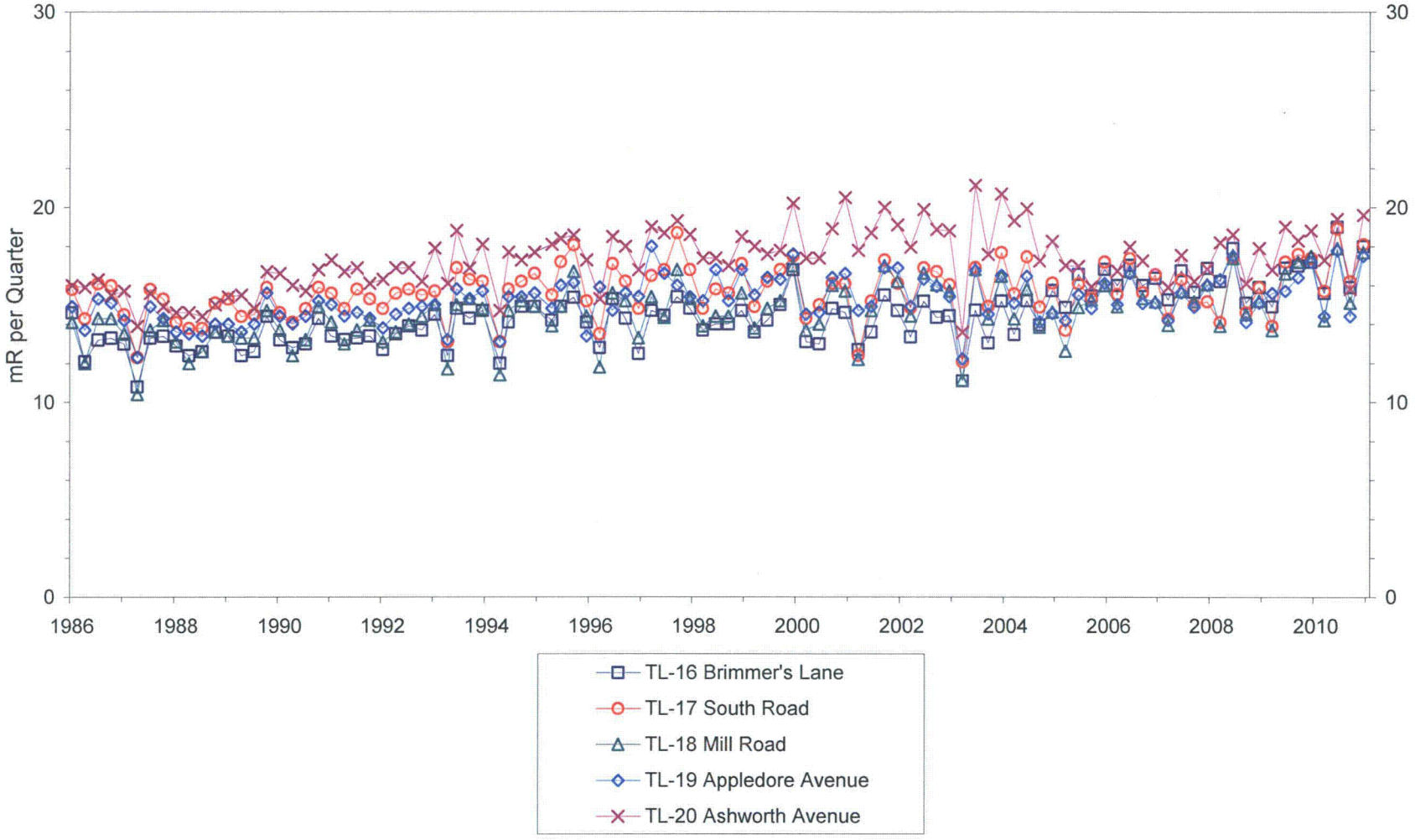


FIGURE 3.10

ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs)
SEABROOK STATION

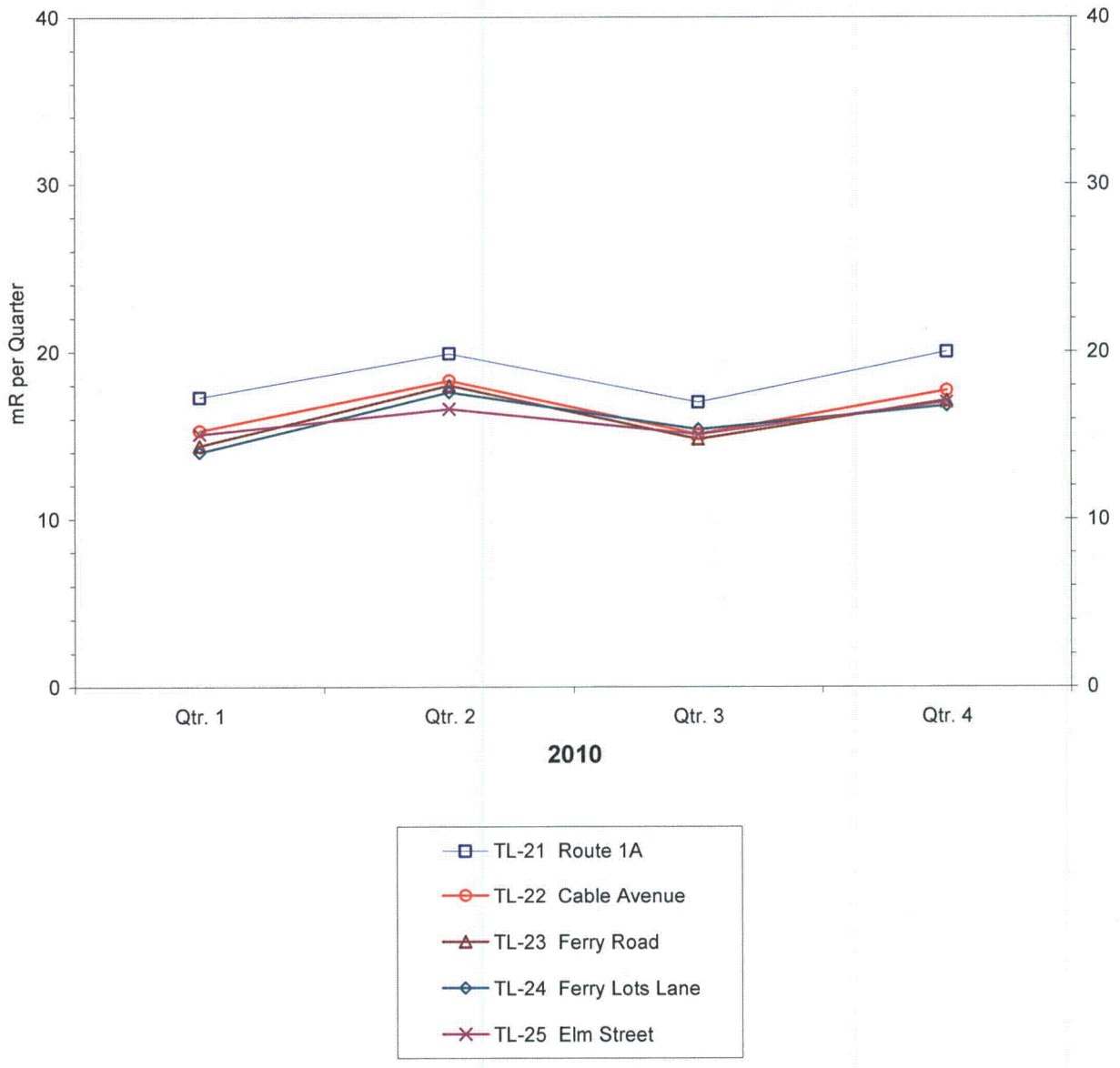


FIGURE 3.10.1

ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs)
SEABROOK STATION

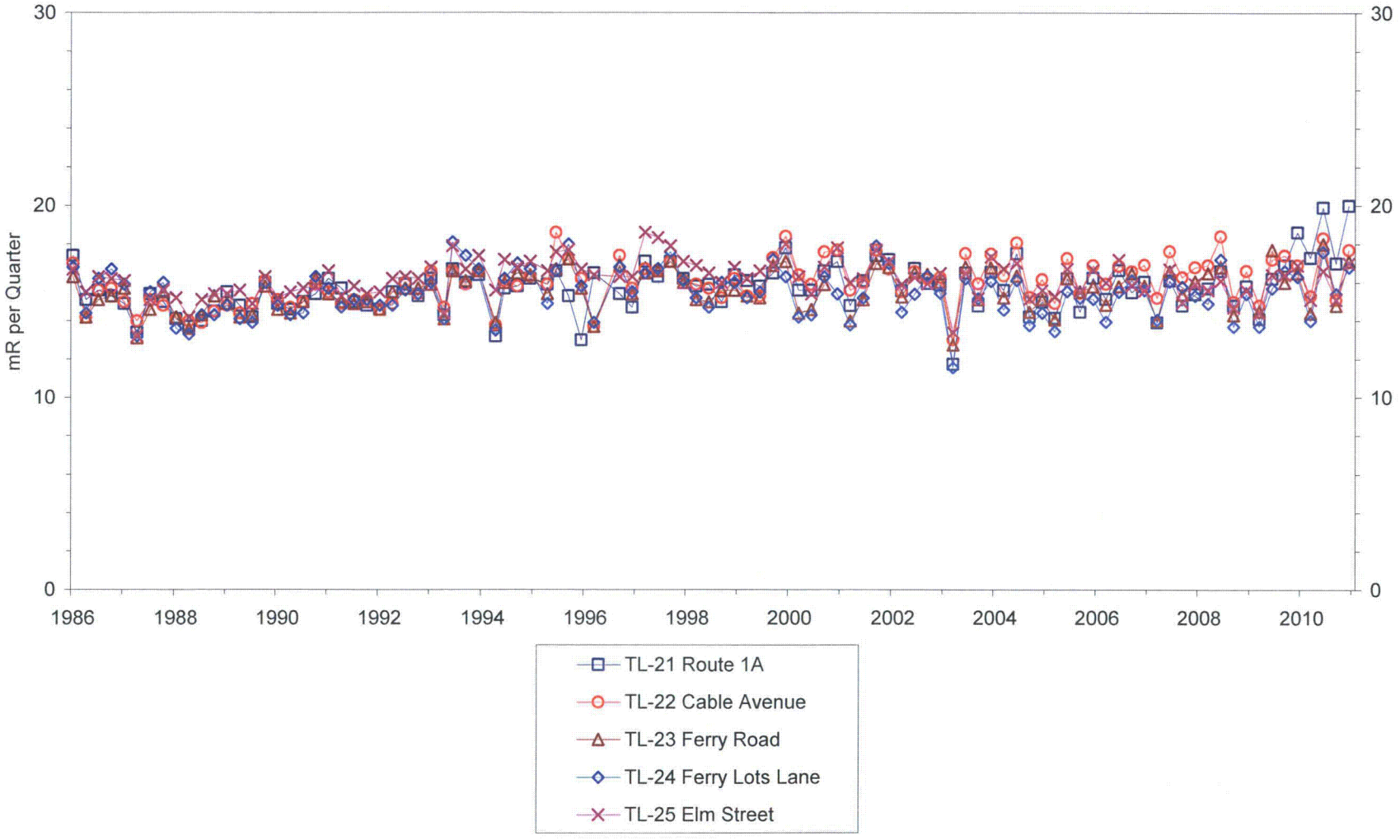


FIGURE 3.11

ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs) SEABROOK STATION

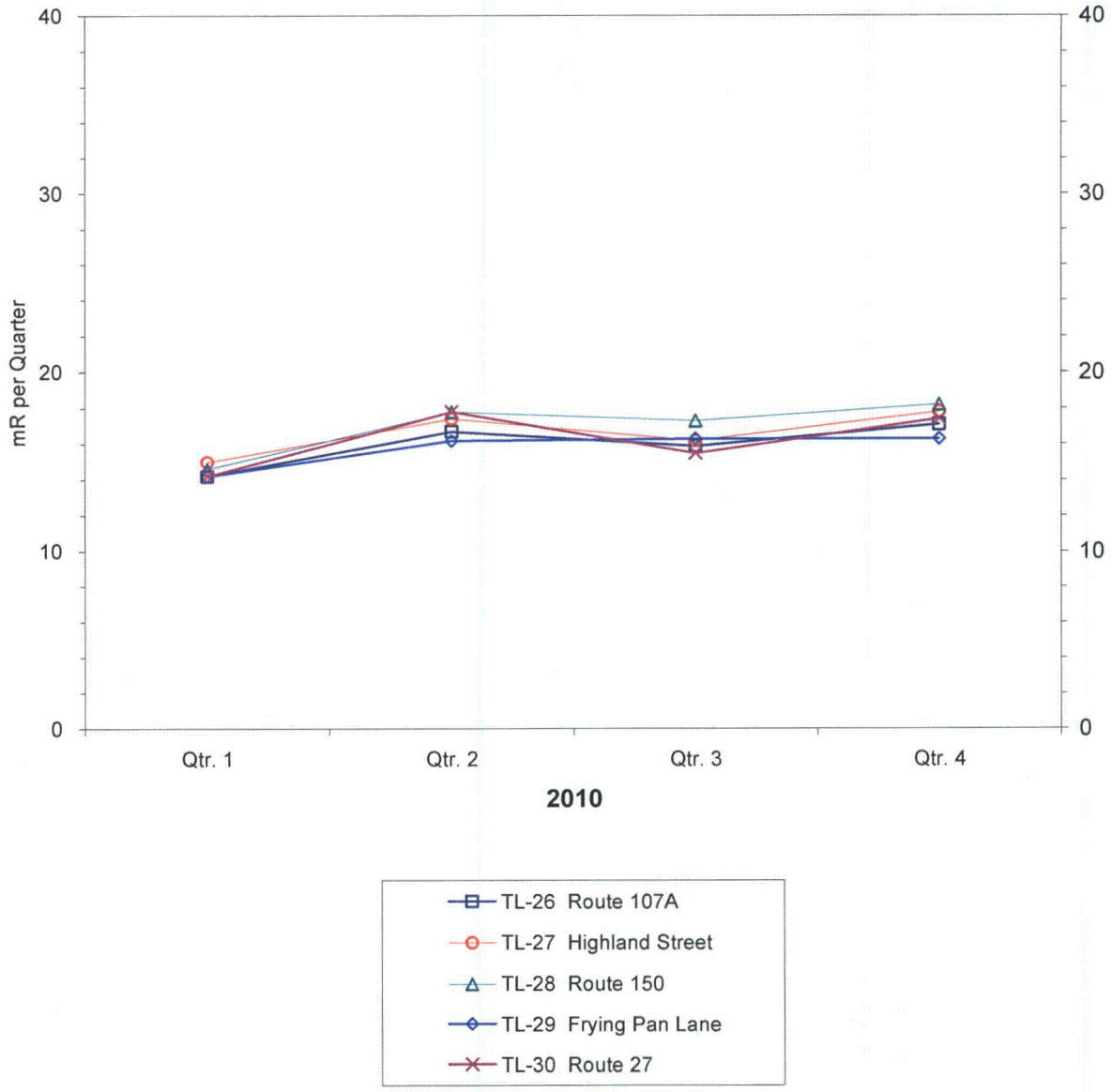


FIGURE 3.11.1

ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs)
SEABROOK STATION

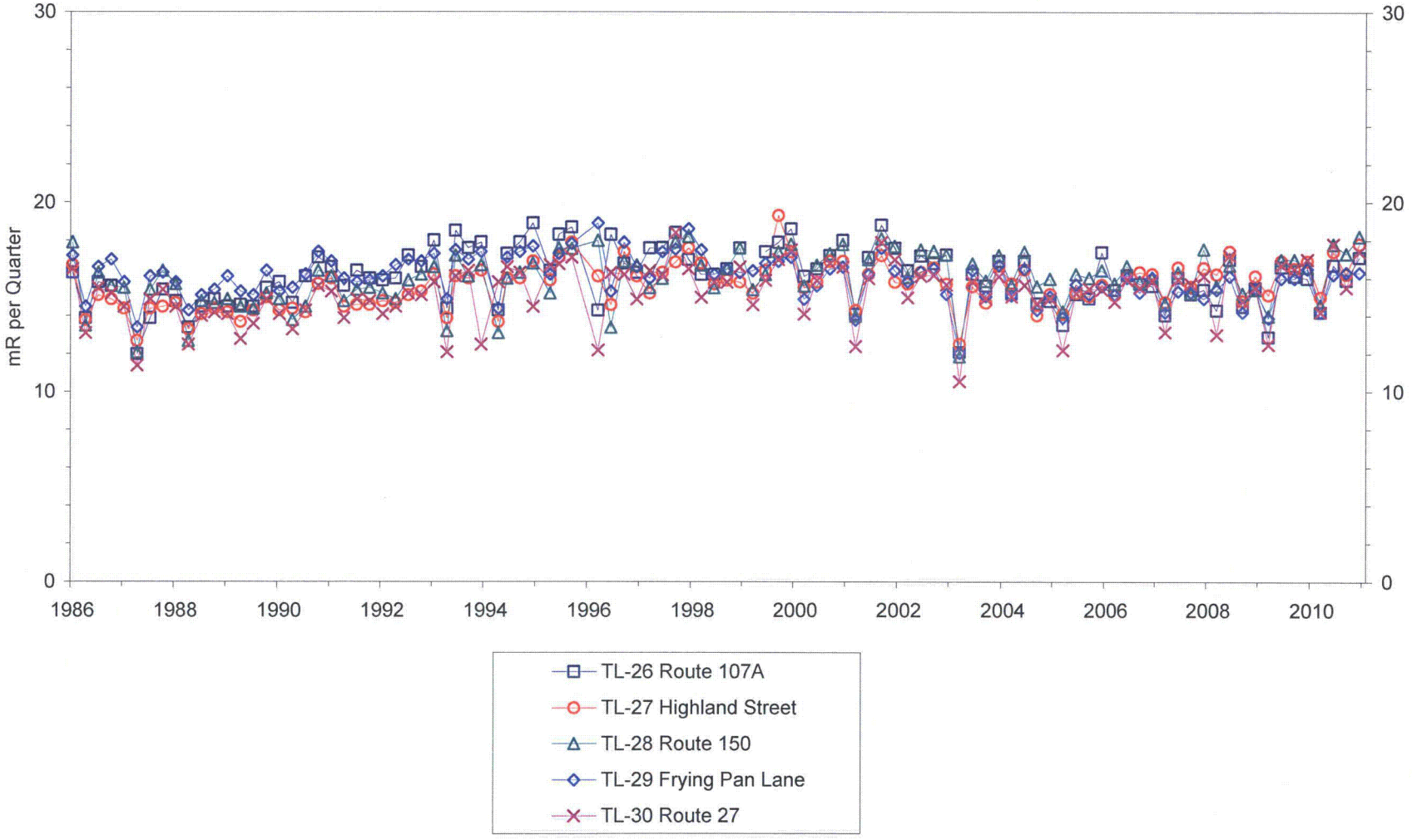


FIGURE 3.12

ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs)
SEABROOK STATION

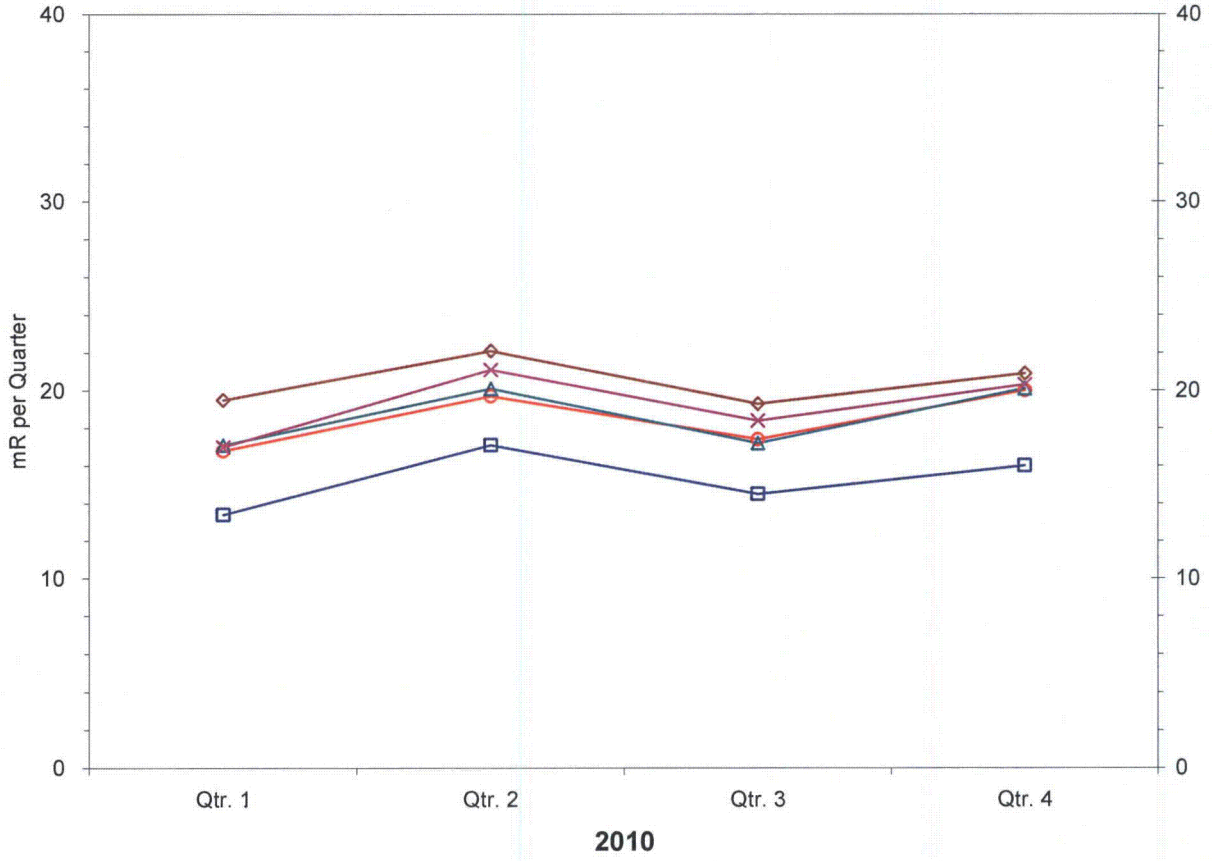


FIGURE 3.12.1

ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs)
SEABROOK STATION

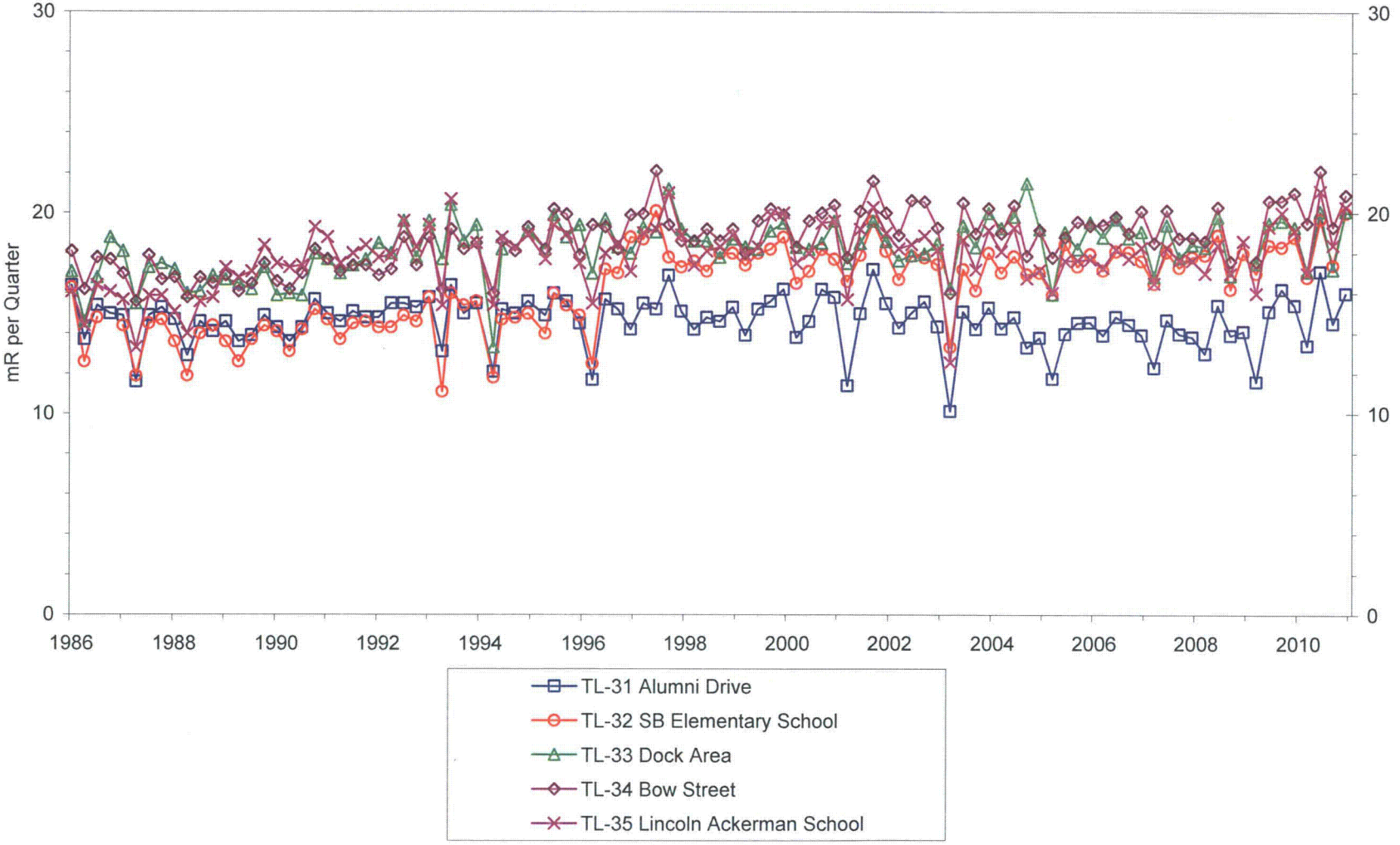


FIGURE 3.13

ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs) SEABROOK STATION

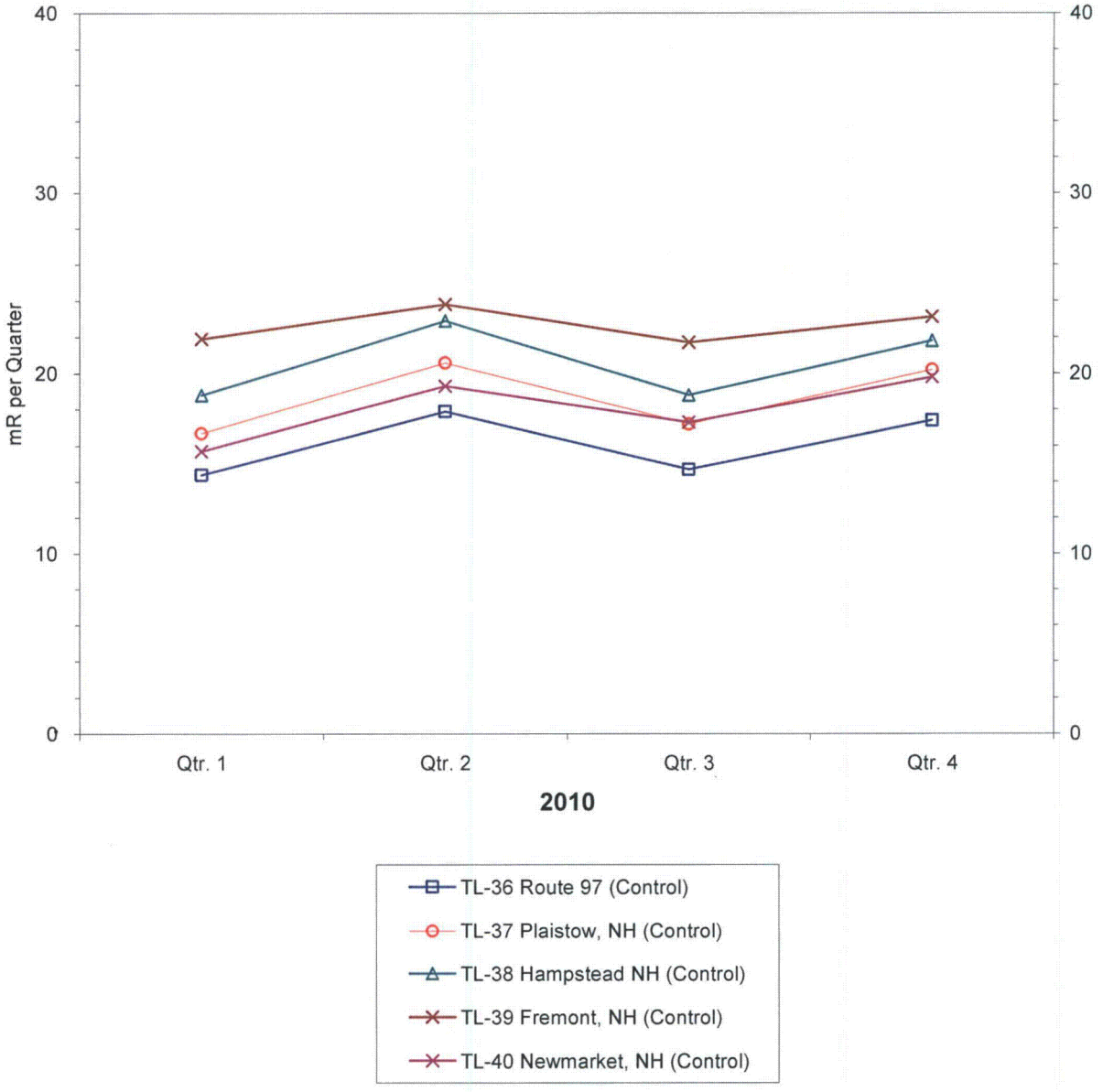


FIGURE 3.13.1

ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs)
SEABROOK STATION

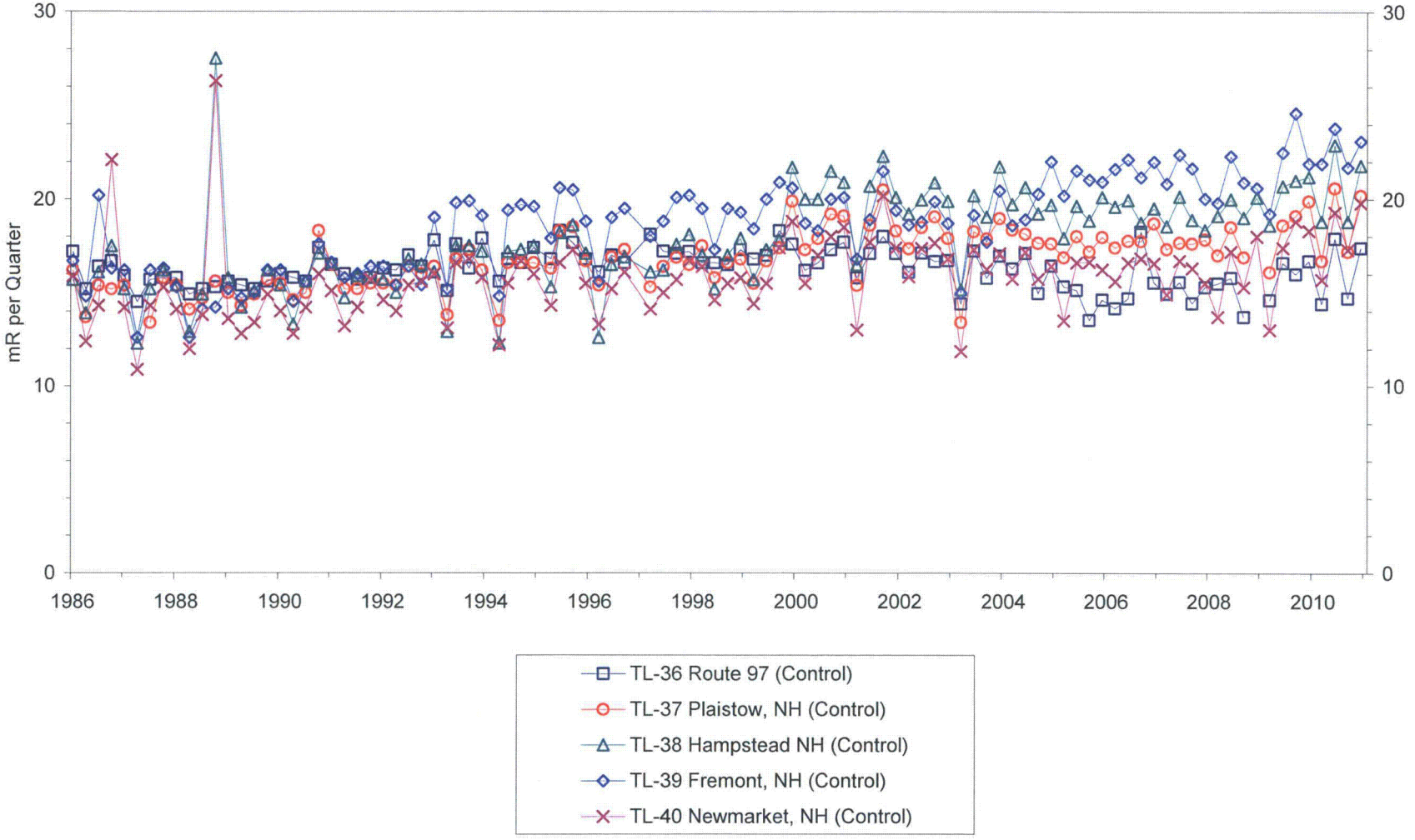


FIGURE 3.14

ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs)
SEABROOK STATION

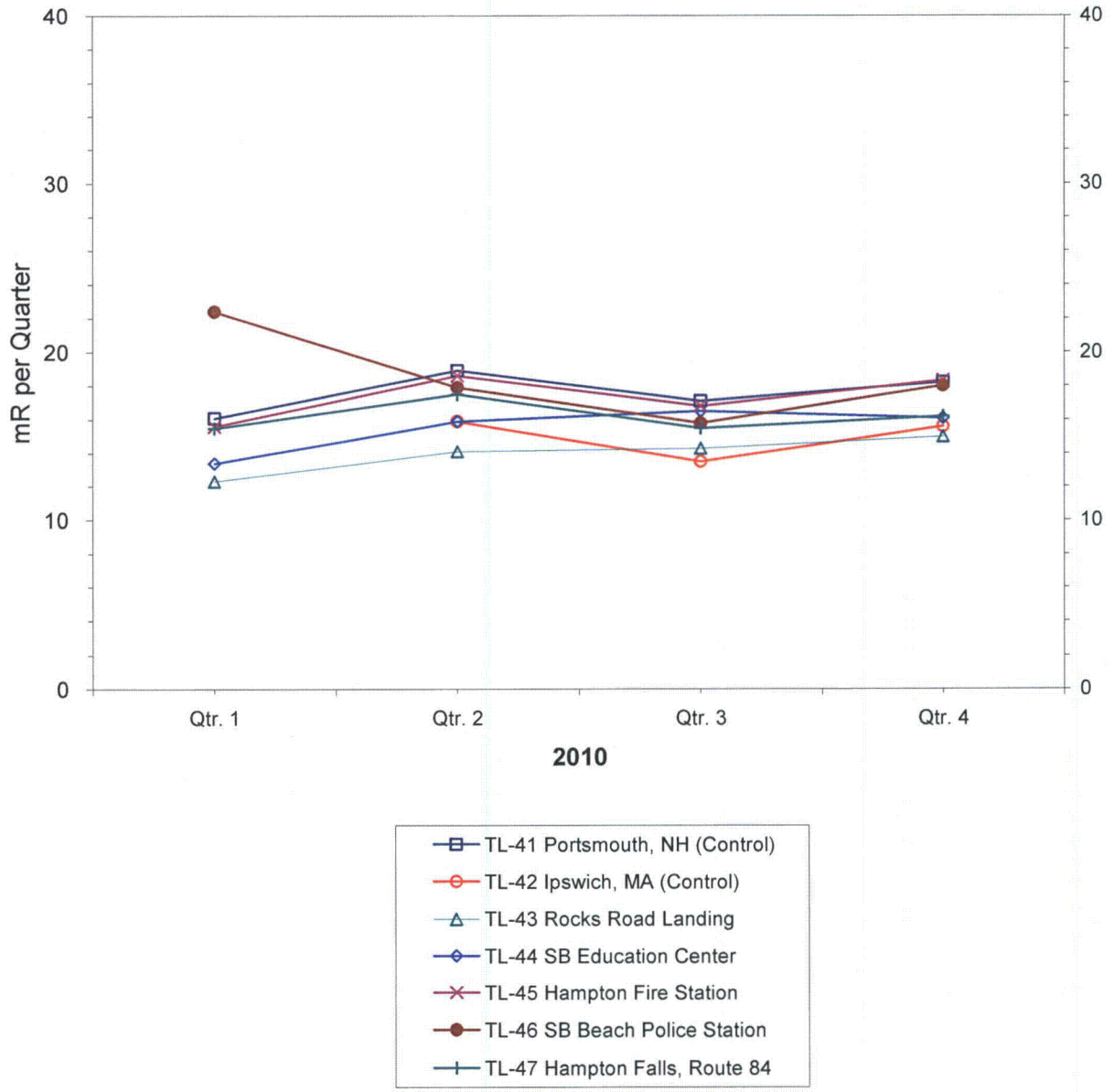
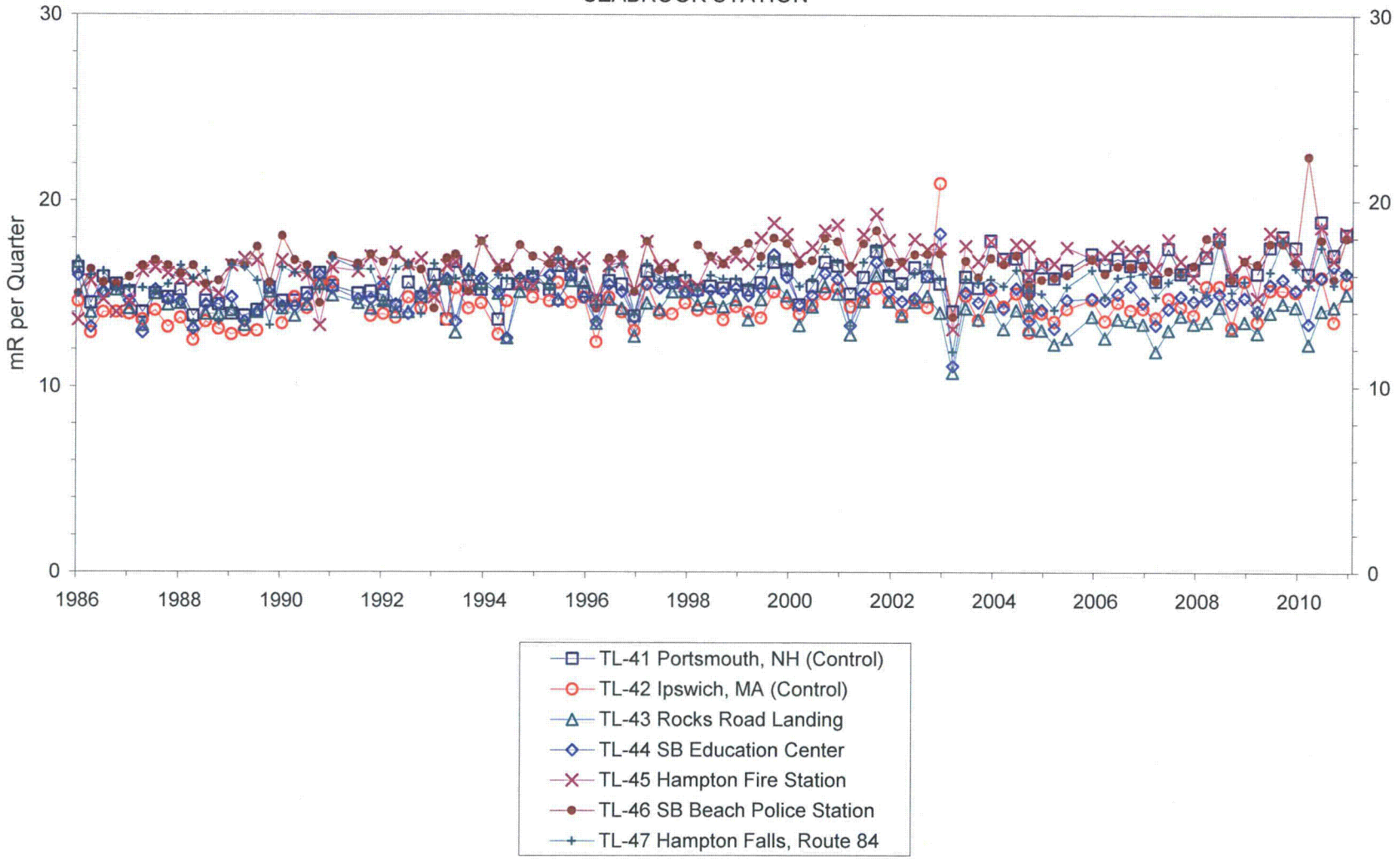


FIGURE 3.14.1

ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs)
SEABROOK STATION



4.0 Dry Fuel Storage REMP & Data Summary

The Dry Fuel Storage (DFS) radiological environmental monitoring program required by ODCM Control C.9.4.1 provides representative measurements of direct (including scattered) radiation exposure at those locations that have the highest potential for dose to members of the public resulting from dry fuel storage operations. The design of the storage facility is such that there are no liquid or gaseous effluents released to the environment from DFS and, therefore, no associated exposure pathways for liquids and gases requiring the collection and analysis of such sample media. As a result, only direct (including scattered) radiation from the DFS modules need to be monitored for integrated exposures in areas where doses to members of the public need to be limited.

At locations near the DFS where members of the public might be present (off-site areas near the site boundary and on-site special use locations; Science and Nature Center, and Fitness Center), TLDs were placed at least 1 year (4 quarterly measurements) prior to used fuel being placed into storage. The DFS received its first load of fuel for storage on July 28, 2008. A total of 6 fuel canisters were placed in the NUHOMS© Horizontal Storage Modules (HSM) on the DFS pad during 2008 with the last one being loaded on September 4, 2008. On September 5, 2008, the final storage configuration for the remainder of the year, including the placement of jersey barriers in front of the HSM bottom vents for additional scatter shielding, was achieved. No fuel transfers into or out of the DFS were made in 2009 or 2010.

The DFS radiological environmental monitoring stations are listed in Table 4.0-1. The measurement locations with respect to the Seabrook site area are shown on Figure 4.0.1.

4.1 Direct Radiation from DFS

As with the plant operations TLD program described in Section 3.13, the DFS TLD exposure rates were normalized to a 91-day quarter. A summary of the 2010 data for the DFS REMP is shown in Table 4.1-1. Figures 4.1, 4.2 and 4.3 show the quarterly 2010 TLD trend lines for the control and indicator monitoring locations. Figures 4.4, 4.5 and 4.6 provide a comparison of long term trend lines (11 years) for the same control locations, site boundary and special use sites. Overall, the direct radiation program showed no statistically significant indication of increased direct radiation above the variable background measured exposure rate in unrestricted areas. This is illustrated by the comparison of indicator location results with control locations which showed no significant difference (of greater than 20%). The 2010 annual mean of all indicator locations for the DFS was 18.0 mR/91-day quarter with the mean of all control locations also calculated as 18.4 mR/91-day quarter. There was no statistical difference detected in the annual exposure rates in areas were members of the public could be located (site boundary and inside special use locations). The on-site environmental area TLD location which exhibited the highest single annual TLD response (TL-67, a low occupancy outside area next to the parking lot associated with the Fitness Center), indicated an apparent 12.0% increase in exposure rate above the average background when the four quarters of pre-operational TLD data are compared to the 2010 quarterly average TLD data at this location.

The DFS radiation monitoring program in 2010 demonstrated that there was no offsite dose to the members of the public or detectable on-site exposures where members of the public are permitted (Science and Nature Center and Fitness Center) from the operations of the DFS.

Any sample collection and analysis deviations from the ODCM required program, or reportable concentrations that may have occurred during the year are described in Section 5

Figure 4.0.1
Dry Fuel Storage TLD Environmental Monitoring Locations

Table 4.0-1
Dry Fuel Storage (DFS) TLD Monitoring Locations

Site Designation Code	TLD Sample Location Description	Distance From DFS Pad (km)	Direction From DFS Pad
TL-44	On-site, outside Science & Nature Center [1]	0.21	ESE
SB-36	On-site, inside Science & Nature Center	0.24	SE
TL-67	On-site, outside near Fitness Center parking [1]	0.05	S
SB-35	On-site, inside Fitness Center	0.08	S
TL-68	Nearby site boundary (dump) to DFS	0.45	W
TL-69	Nearby site boundary (Rocks Rd) to DFS	0.47	W
TL-10	Site Boundary Fence [2]	0.81	S
TL-11	Site Boundary Fence [2]	0.52	SSW
TL-12	Site Boundary fence [2]	0.53	WSW
TL-13	Inside Site Boundary [2]	0.61	WNW
TL-14	Trailer Park, Seabrook [2]	0.94	NW
TL-36	Rt 97, Georgetown (Control) [2]	22	SSW
TL-37	Plaistow, NH (Control) [2]	21	WSW
TL-38	Hampstead, NH (Control) [2]	27	W
TL-39	Fremont, NH (Control) [2]	27	WNW
TL-40	Newmarket, NH (Control) [2]	22	NNW
TL-41	Portsmouth, NH (Control) [1][2]	22	NNE
TL-42	Ipswich, MA (Control) [1][2]	22	SSE

(1) This location is not part of the required DFS radiological monitoring program as defined in Table A.9.4-1 of the Seabrook ODCM.

(2) Shared environmental monitoring locations for both Seabrook Station REMP and DFS monitoring.

TABLE 4.1-1

DFS Environmental TLD Measurements
Net Exposures in mR/Standard Quarter (91 days)

2010

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.
TL-44	Outside Science & Nature C.(1)	13.4	± 0.5	15.9	± 0.8	16.5	± 0.7	16.1	± 0.7	15.5
SB-36	Inside Science & Nature C.	14.8	± 0.6	17.2	± 0.8	14.5	± 1.0	16.2	± 0.6	15.7
TL-67	Outside Fitness Center (1)	21.8	± 1.3	23.7	± 1.0	21.9	± 1.4	23.8	± 1.0	22.8
SB-35	Inside Fitness Center	15.3	± 0.5	17.9	± 0.7	15.4	± 0.9	17.6	± 0.7	16.6
TL-68	Nearby Site Boundary to DFS	16.3	± 1.5	16.9	± 0.9	17.3	± 0.7	19.4	± 1.5	17.5
TL-69	Nearby Site Boundary to DFS	17.3	± 1.1	17.4	± 0.8	17.3	± 1.1	16.3	± 0.6	17.1
TL-10	Site Boundary Fence (2)	16.4	± 0.8	19.8	± 1.0	17.5	± 0.7	19.8	± 0.8	18.4
TL-11	Site Boundary Fence (2)	16.3	± 0.6	19.4	± 1.1	17.9	± 0.7	19.2	± 0.8	18.2
TL-12	Site Boundary Fence (2)	16.5	± 0.7	19.7	± 0.7	18.5	± 1.1	20.6	± 0.9	18.8
TL-13	Inside Site Boundary (2)	19.3	± 0.8	22.5	± 1.0	19.1	± 0.7	21.9	± 0.8	20.7
TL-14	Trailer Park Seabrook (2)	14.9	± 0.8	18.0	± 1.1	15.2	± 0.7	17.8	± 0.8	16.5
TL-36	Rt 97, Georgetown (control)(2)	14.4	± 0.8	17.9	± 0.8	14.7	± 0.8	17.4	± 0.6	16.1
TL-37	Plaistow, NH (Control)(2)	16.7	± 0.7	20.6	± 1.0	17.2	± 0.6	20.2	± 1.1	18.7
TL-38	Hampstead, NH (Control)(2)	18.8	± 0.7	22.9	± 0.8	18.8	± 0.8	21.8	± 1.0	20.6
TL-39	Fremont, NH (Control)(2)	21.9	± 1.5	23.8	± 1.1	21.7	± 1.1	23.1	± 1.0	22.6
TL-40	Newmarket, NH (Control)(2)	15.7	± 0.7	19.3	± 1.0	17.3	± 1.1	19.8	± 1.5	18.0
TL-41	Portsmouth, NH (Control)(1)(2)	16.1	± 0.8	18.9	± 0.9	17.1	± 0.7	18.2	± 0.7	17.6
TL-42	Ipswich, MA (Control)(1)(2)	(*)	±	15.9	± 0.8	13.5	± 0.7	15.6	± 0.8	15.0
	Mean of Indicators	16.8		19.3		17.3		19.2		18.0
	Mean of Controls	17.3		19.9		17.2		19.4		18.4

(1) This location is not part of the DFS required program defined by the ODCM.
(2) Shared environmental monitoring locations for both plant REMP and DFS monitoring.

(*) TLD found on the ground and damaged at time of collection.

FIGURE 4.1

DFS CONTROL RADIATION MEASUREMENTS (USING TLDs)
SEABROOK STATION

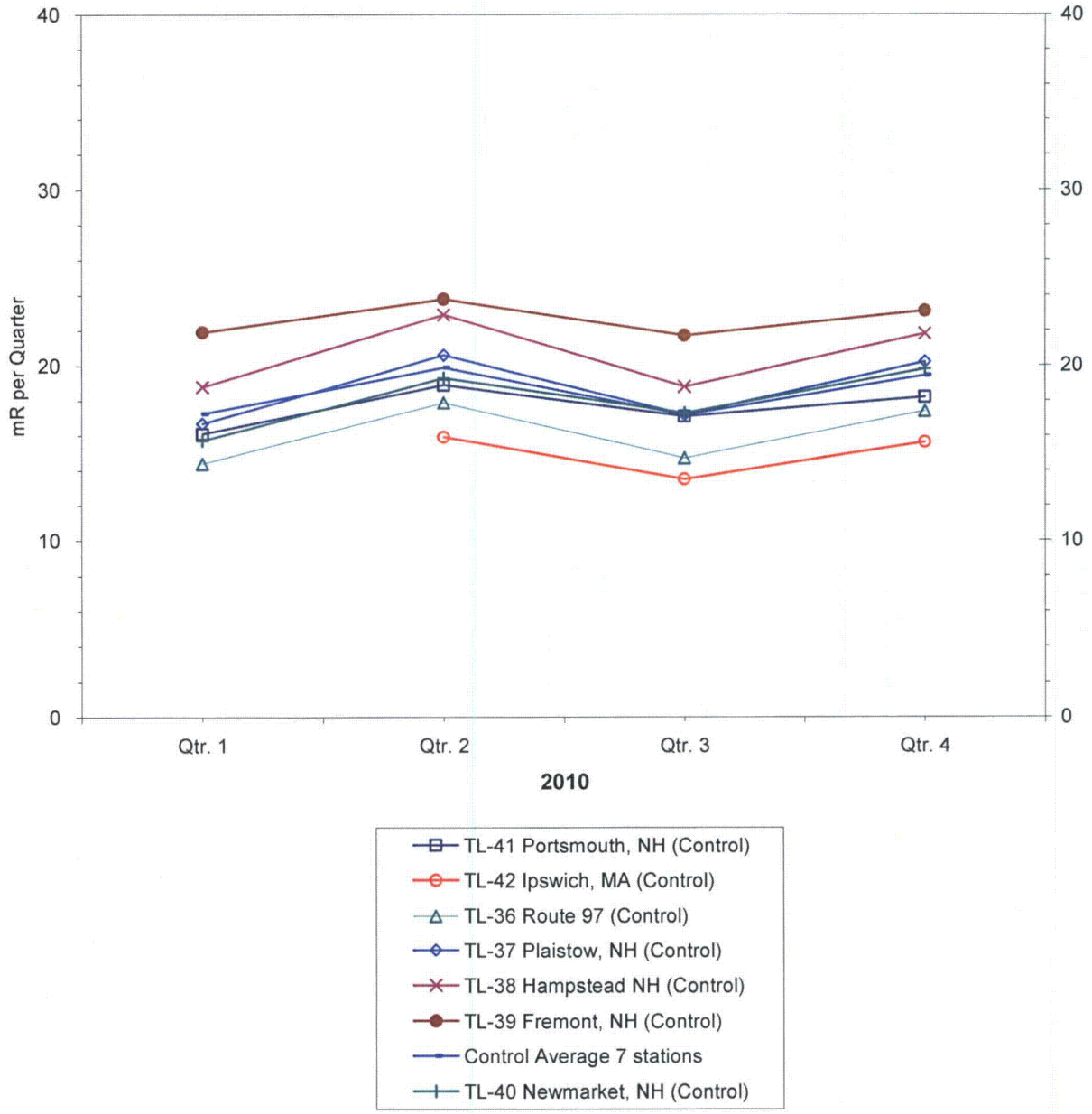


FIGURE 4.2

DFS ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs)
SEABROOK STATION

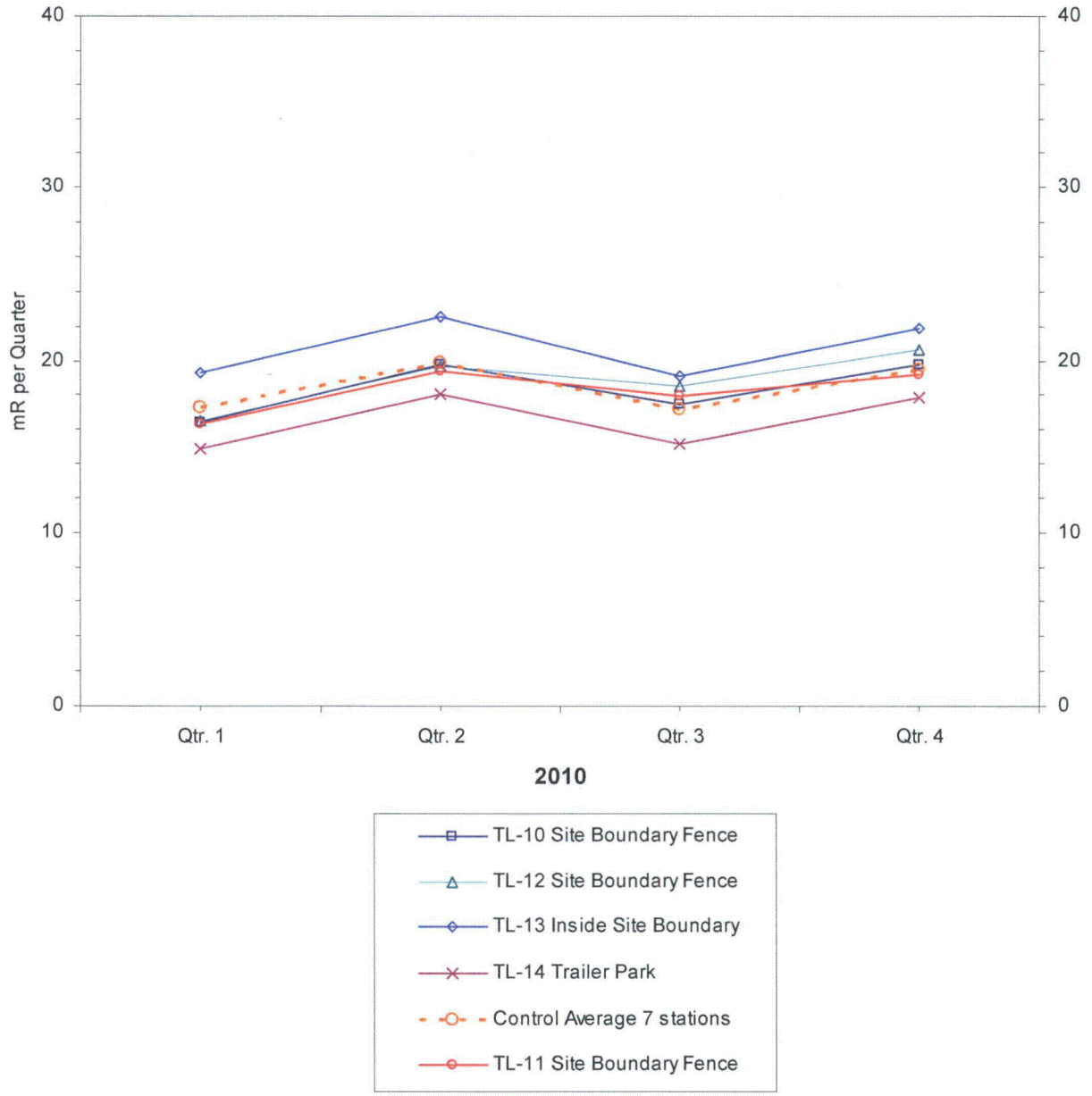


FIGURE 4.3

DFS ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs)
SEABROOK STATION

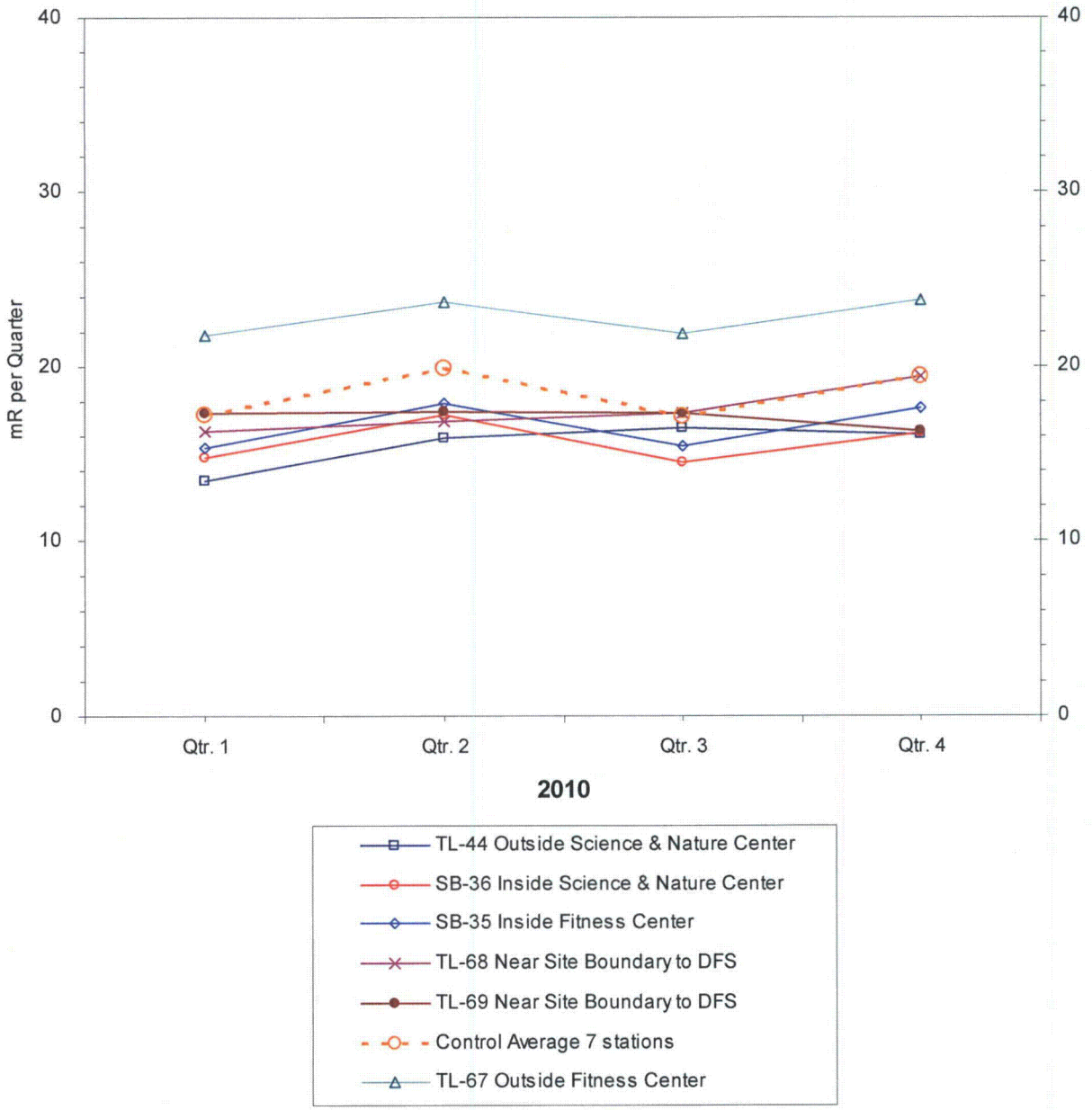


FIGURE 4.4

DFS CONTROL RADIATION MEASUREMENTS (USING TLDs)
SEABROOK STATION

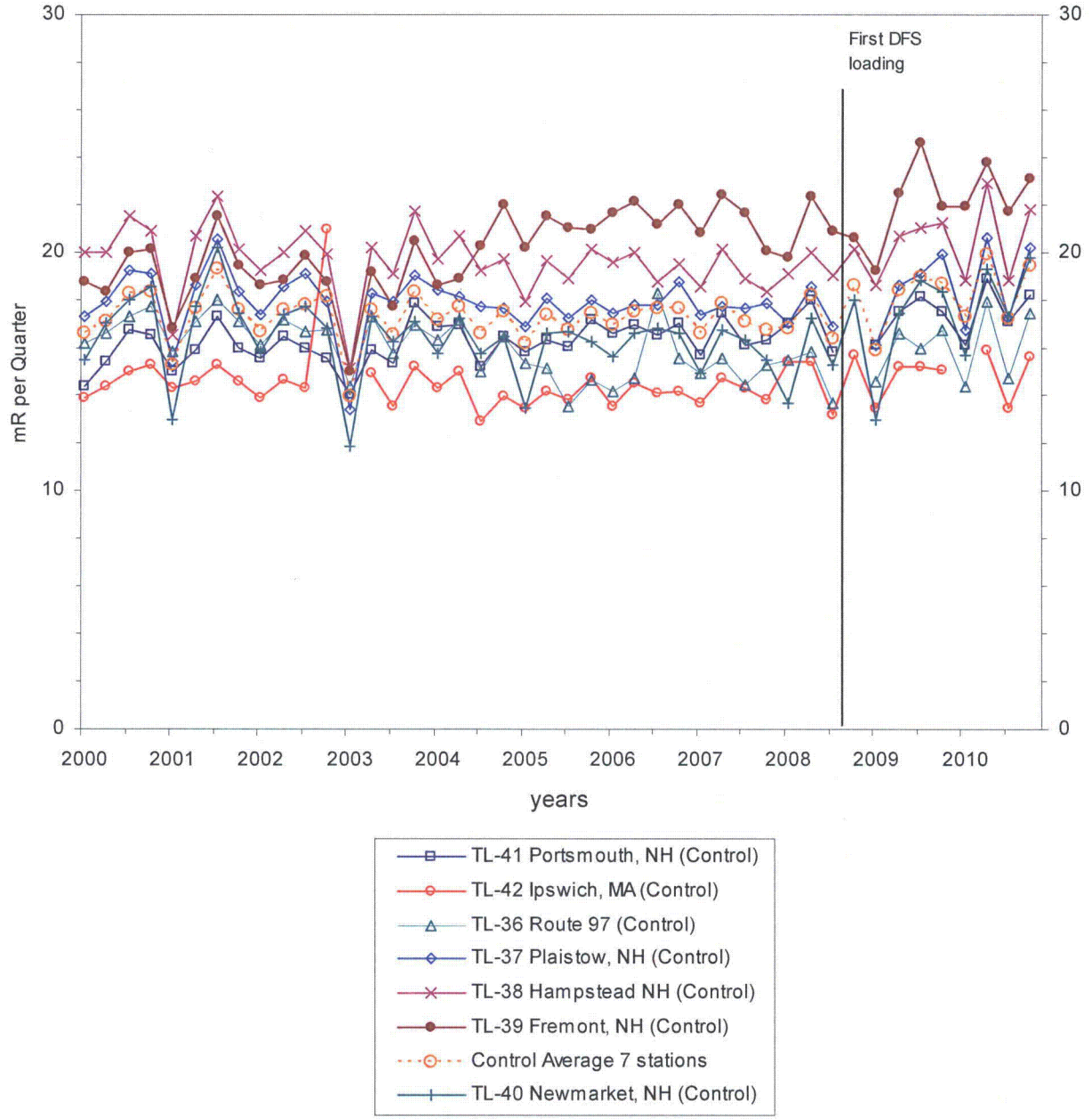


FIGURE 4.5

DFS RADIATION MEASUREMENTS TRENDS (USING TLDs)
SEABROOK STATION

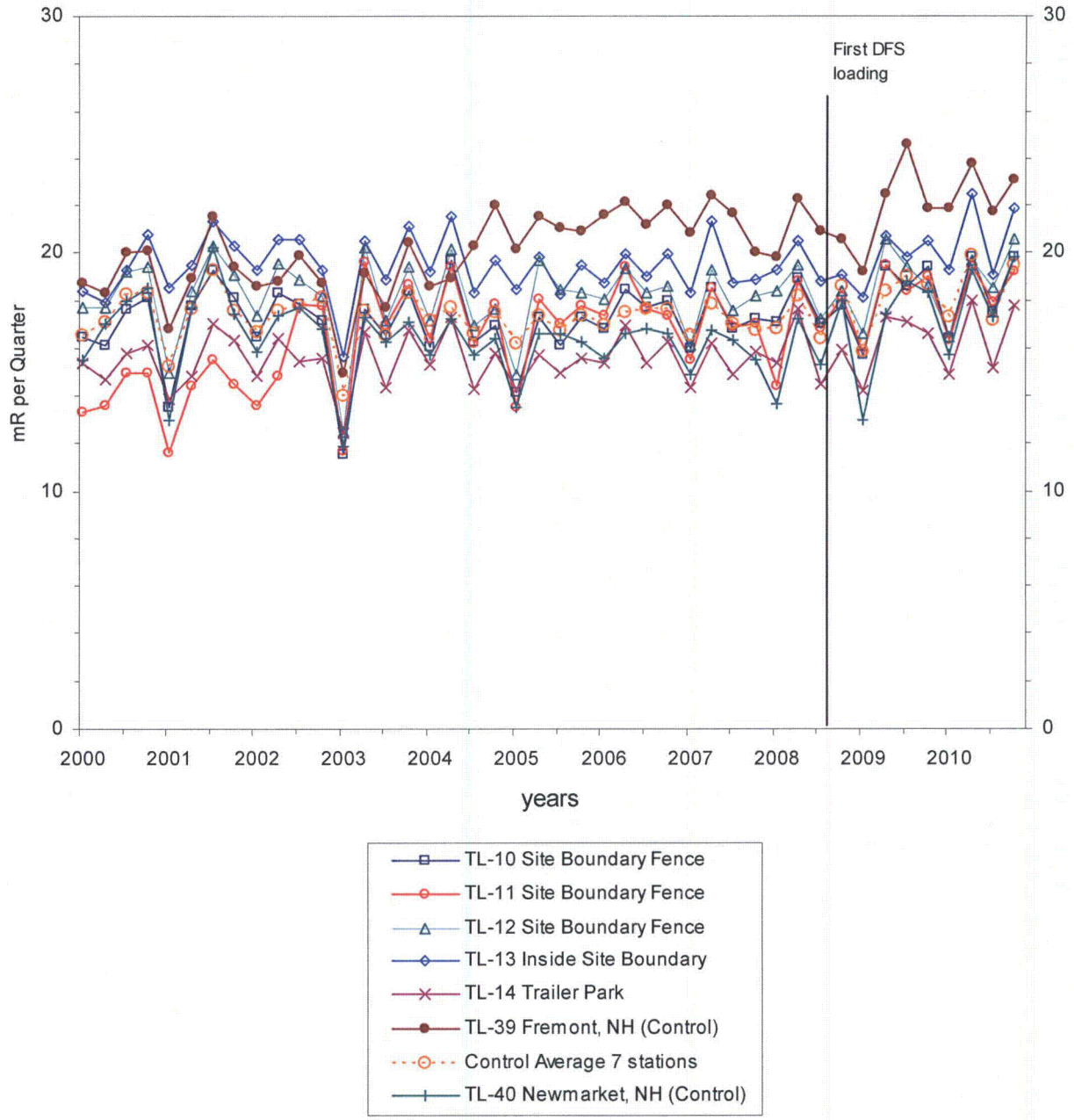
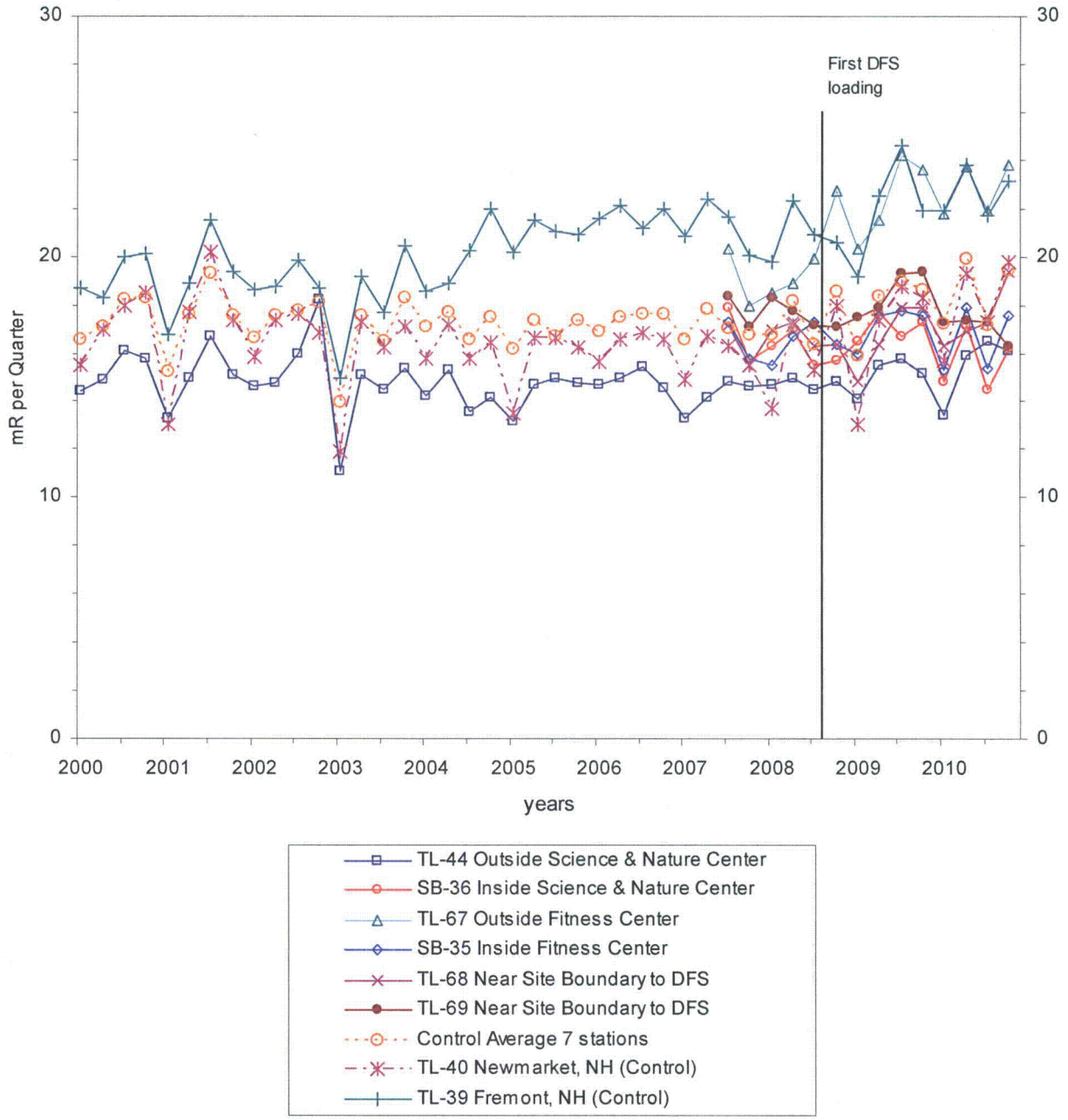


FIGURE 4.6

DFS RADIATION MEASUREMENTS TRENDS (USING TLDs)
SEABROOK STATION



5.0 Program Deviations and Reporting

5.1 Sampling Program Deviations

Table A.9.1-1 of the Offsite Dose Calculation Manual (ODCM) allows for deviations in the REMP sampling schedule "if specimens are unobtainable due to circumstances such as hazardous conditions, seasonal unavailability and malfunction of automatic sampling equipment." All deviations from the sampling schedule shall be documented each year in the Radiological Environmental Operating Report. The deviations for 2010 are as follows:

- On 2/16/2010, a loss of power to air sampling stations AP/CF-02 (duration approximately 1.48 hrs) and AP/CF-05 (duration approximately 12 minutes) was recorded due to local power outages caused by a snow storm. Both units returned to service when local power was restored. The out of service time did not impact the ability to collect sufficient sample volume over the collection cycle for analysis.

- On 2/25/2010, a loss of power to all air sampling stations (listed below) was recorded due to a regional power outage related to a wind storm.

Location	Date/Time power lost	Date /Time power restored	Duration of loss
AP/CF-01	2/25/10 22:21	2/26/10 14:14	15.9 hrs
AP/CF-02	2/25/10 23:33	2/27/10 17:02	41.5 hrs
AP/CF-03	2/25/10 22:31	2/27/10 12:32	38.2 hrs
AP/CF-04	2/25/10 22:21	3/22/10 13:03	Approx. 25 days
AP/CF-05	2/25/10 22:21	2/26/10 00:00	1.7 hrs
AP/CF-05	2/28/10 02:50	2/28/10 03:21	0.5 hrs
AP/CF-07	2/25/10 23:31	2/23/10 23:41	0.2 hrs
AP/CF-08	2/25/10 22:21	2/26/10 14:05	15.7 hrs
AP/CF-09	2/25/10 23:00	2/26/10 15:51	16.8 hrs

All units (except AP/CF-04) returned to service when power in their areas was restored. Due to the wind storm, damage was sustained to an adjacent building that housed the electrical distribution equipment which supplied power to AP/CF-04 (Plate yard, on-site). A source of temporary power was installed until permanent repairs could be completed. With the exception of AP/CF-04, which had an air collection volume of 179 m^3 in the first collection cycle of the event and 140 m^3 in the last part of the second cycle when the unit was returned to service, the out of service time did not impact the ability to collect sufficient sample volume over the collection cycle for analysis.

- On 3/10/2010, a loss of power to air sampling stations AP/CF-01 and AP/CF-08 due to blown fuses were identified during filter change-outs. The sample pumps were out-of-service for approximately 192 hours (3/2/10 at 13:40 to 3/10/10 at 12:25), and were not identified by normal telemetry because the alarm notification list did not have the required recipients. The fuses were replaced and the telemetry notification list updated with correct addresses and the units placed back into service. The out of service time did not impact the ability to collect sufficient sample volume over the collection cycle for analysis.

- On 3/13/2010, a loss of local power to air sampling station AP/CF-05 was reported, but was restored in approximately 13 minutes. The out of service time did not impact the ability to collect sufficient sample volume over the collection cycle for analysis.

- On 3/15/2010, a loss of power occurred at two air sampling stations (listed below) was recorded (by the telemetry system) due to inclement weather which led to blown fuses at AP/CF-01 and AP/CF-08.

Location	Date/Time power lost	Date /Time power restored	Duration of loss
AP/CF-01	3/15/10 07:04	3/15/10 10:56	3.87 hrs
AP/CF-08	3/15/10 07:03	3/15/10 10:45	3.70 hrs

The out of service time did not impact the ability to collect sufficient sample volume over the collection cycle for analysis.

- During the change out of 1st quarter, 2010 environmental TLDs (April 5 & 6, 2010), the TLD devices at TL-42 were found on the ground and damaged, and at TL-34 and TL-46 were found wet, likely from rain water. The TLD data from all these devices may be in question due to either physical tampering or potential influences that moisture can have on the over-response of the measurement device.

- On 3/29/2010, a loss of power to four air sampling stations (listed below) was recorded due to inclement weather. All stations were returned to service when local power was restored.

Location	Date/Time power lost	Date /Time power restored	Duration of loss
AP/CF-01	3/29/10 08:15	3/29/10 09:28	1.22 hrs
AP/CF-08	3/29/10 08:15	3/29/10 09:28	1.22 hrs
AP/CF-05	3/29/10 08:15	3/29/10 09:28	1.22 hrs
AP/CF-03	3/29/10 08:15	3/29/10 09:28	1.22 hrs

The out of service time did not impact the ability to collect sufficient sample volume over the collection cycle for analysis.

- During the change out of 2nd quarter, 2010 environmental TLDs (July 2, 2010), the TLD devices at TL-02 located at Landing Road in Hampton, NH were missing. The holder was broken off the utility pole where it was located. A search of the area did not locate the device. A new holder was installed with a TLD for the 3rd quarter monitoring period.

- On 8/17/2010, a local area loss of power occurred at AP/CF-09 (Georgetown control) which was indicated via the telemetry notification system. The area power was restored approximately 25 minutes later and the air sampler indicated it had returned to service. The out of service time did not impact the ability to collect sufficient sample volume over the collection cycle for analysis.

- On 8/24 - 25/2010, a local area loss of power occurred at two air sampling stations (listed below) were recorded by the telemetry system. All stations were returned to service when local power was restored.

Location	Date/Time power lost	Date /Time power restored	Duration of loss
AP/CF-02	8/24/10 14:29	8/24/10 14:50	0.35 hrs
AP/CF-09	8/25/10 18:25	8/25/10 19:56	1.52 hrs

The out of service time did not impact the ability to collect sufficient sample volume over the collection cycle for analysis.

Additional Information

- On 3/10/10, during a regularly scheduled collection of milk from location TM-20 (Control station), it was identified that no milk was available for collection. Contact with the owner of the farm indicated that the cows had been sold and the farm was no longer in the cow milk business. Since milk sampling is not part of the required ODCM REMP due to insufficient number of sampling locations available in the site area, the loss of another milk farm does not constitute a deviation from the required sampling program, but is identified here for information only.

- On 6/1/2010, the power to AP/CF-04 was turned off while maintenance activities were performed on the power supply panel. The sample station was out of service for approximate 1 hour during this routine maintenance and returned to service at its completion. Routine maintenance on equipment is not considered a deviation from the program, but included for information. The out of service time did not impact the ability to collect sufficient sample volume over the collection cycle for analysis.

- On 6/16/2010 during change out of an air particulate filter at AP/CF-03, and again on 7/14/2010 at AP/CF-01, AP/CF-02 and AP/CF-03, slight filter paper tears were noted. In reviewing the operating conditions, including significant dust loading collected on the filters, it was determined that the tear conditions did not adversely impact the samplers from obtaining valid particulate samples which met all analysis requirements. A corrective action was implemented to re-glue the retaining mesh plate in the filter housings that come lose under high dust loadings.

- On 7/15/2010, the power to AP/CF-01 was turned off (at 08:40) while maintenance activities were performed on the AC power circuits that energize the sampling station. The sample station was out of service for approximate 14 hours and 10 minutes during this maintenance and returned to service at its completion. Routine maintenance on equipment is not considered a deviation from the program, but is included for information. The out of service time did not impact the ability to collect sufficient sample volume over the collection cycle for analysis.

- On 8/18/2010 at approximately 11:00, the environmental TLDs at TL-69 were relocated southward approximately 16 feet in support of a new town access point. The TLDs were situated at the same height above the ground surface as had been at the original location with no loss of recorded data.

- On 8/30/10 at approximately 13:30, the environmental TLDs at location TL-68 were relocated eastward approximately 75 feet in support of a new building being constructed next to the location of TL-68. The TLD was situated at the same height off the ground surface as had been the original location. There was no loss in recorded data on the dosimeter.

- On 9/1/2010 and 9/2/2010, the power to AP/CF-04 was turned off while maintenance activities were performed on the power supply. The sample station was out of service for approximate 7 hours and 24 minutes on 9/1 (09:05 to 16:29), and again for 44 minutes on 9/2 (12:53 to 13:20) during these maintenance activities and returned to service at their completion. Routine maintenance on equipment is not considered a deviation from the program, but is included for information. The out of service time did not impact the ability to collect sufficient sample volume over the collection cycle for analysis.

- On 9/13/2010, the owner of milk sampling location TM-24 informed Seabrook Station staff that milk would not be available for the near future. The last milk sample taken from TM-24 for 2010 was collected on 8/25/10. Since milk sampling is not part of the required ODCM REMP due to insufficient number of sampling locations available in the site area, the loss of another milk farm does not constitute a deviation from the required sampling program, but is identified here for information only.

5.2 Comparison Of Achieved LLDs With Requirements

Table A.9.1-2 of the ODCM indicates the required Lower Limits of Detection (LLDs) for environmental sample analyses. (This table is duplicated in Table 5.2-1 of this report.) Occasionally an LLD is not achievable due to a situation such as a low sample volume caused by sampling equipment malfunction. In such a case, ODCM Table A.9.1-2 requires a discussion of the situation in the annual Radiological Environmental Operating Report. At the laboratories performing the sample analyses, the target LLD for any analysis is typically 30-40 percent of the most restrictive required LLD.

For each analysis having an LLD requirement in ODCM Table A.9.1-2, the *a posteriori* (after the fact) LLD, or Minimum Detectable Concentration (MDC) calculated for that analysis was compared with the required LLD. During 2010, 1326 analyses had an LLD requirement listed in Table 5.2-1, and in all but two cases the LLD requirements were met. The missed LLDs were:

Sample Type & Location	date	Radionuclide	Required LLD (pCi/kg)	Achieved MDC (pCi/kg)
WS-01	10/19/2010	I-131	15	29.9
WS-51	10/19/2010	I-131	15	27.1

The cause of the missed LLD was attributed to a longer than normal transit time between the collection of samples and their receipt at the analysis laboratory (24 days) compared to the relatively short half life of I-131 of only 8 days. This transit delay occurred at the time of the switch over from the AREVA Elab to GEL Laboratory for the performance of sample analyses.

5.3 Comparison of Results Against Reporting Levels

Seabrook Station ODCM Section 10.1 requires the notification of the NRC by special report within 30 days of receipt from the environmental laboratory whenever a Reporting Level in Table 5.3-1 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 2010, no Reporting Levels were exceeded.

Table 5.2-1

DETECTION CAPABILITIES FOR ENVIRONMENTAL SAMPLE ANALYSIS[a]

Lower Limit of Detection (LLD)

Analysis	Water (pCi/kg)	Airborne Particulate or Gas (pCi/m^3)	Fish and Invertebrates (pCi/kg, wet)	Milk (pCi/kg)	Food Products (pCi/kg, wet)	Sediment (pCi/kg, dry)
Gross Beta	4	0.01				
H-3	3,000					
Mn-54	15		130			
Fe-59	30		260			
Co-58, 60	15		130			
Zn-65	30		260			
Zr-Nb-95	15					
I-131	15	0.07		1	60[b]	
Cs-134	15	0.05	130	15	60	150
Cs-137	18	0.06	150	18	80	180
Ba-La-140	15			15		

a. Reference Seabrook Station ODCM, Table A.9.1-2 for clarifications.
b. Broad leaf vegetation only.

Table 5.3-1

REPORTING LEVELS FOR RADIOACTIVITY CONCENTRATIONS IN ENVIRONMENTAL SAMPLES[a]

Analysis	Water (pCi/kg)	Airborne Particulate or Gas (pCi/m^3)	Fish and Invertebrates (pCi/kg, wet)	Milk (pCi/kg)	Food Products (pCi/kg, wet)
H-3	30,000				
Mn-54	1,000		30,000		
Fe-59	400		10,000		
Co-58	1,000		30,000		
Co-60	300		10,000		
Zn-65	300		20,000		
Zr-Nb-95	400				
I-131	100	0.9		3	100[b]
Cs-134	30	10	1,000	60	1,000
Cs-137	50	20	2,000	70	2,000
Ba-La-140	200			300	

a. Reference Seabrook Station ODCM Table A.9.1-3 for clarifications.
b. Broad leaf vegetation only.

6.0 QUALITY ASSURANCE PROGRAM

6.1 AREVA Environmental Laboratory (E-LAB) QA

The quality assurance program at the AREVA NP Environmental Laboratory (E-LAB) 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 to 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 E-LAB 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 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.

This summary reports all intralaboratory and third party results received by the E-LAB on or before September 2010. The E-LAB has completed processing of all client samples and is now closed for business.

Intralaboratory Quality Control Program

The E-LAB QA Officer administers an extensive intralaboratory quality control program in which process check samples are submitted for analysis. These samples are "spiked" with a known amount of radioactive material and are routinely submitted in triplicate to evaluate the bias and precision of a measurement process. Additionally, numerous samples of various matrices are periodically re-analyzed as part of the internal duplicate analysis program. Table 6-1 provides the summary of the process control program results for January to September 2010. Of the 617 analyses evaluated for bias, 99.2% passed the acceptance criteria and 100% of the 500 results evaluated for precision were acceptable. The E-LAB internal acceptance criteria are summarized at the end of Table 6-1.

Third Party Cross Check Program

The E-LAB participates in a third party cross check program managed by Analytics Inc. to satisfy the requirement of the Environmental Technical Specification/ODCM. The E-LAB 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 2009 through the 2nd quarter 2010 are summarized in Table 6-2. The 3rd quarter 2010 samples were analyzed by GEL Laboratories and are contained in the following section. 4th quarter 2010 sample results are not included in this report as the final results were not received from the reporting laboratory in the timeframe covered by this report. This data will be provided in the Quality Assurance Program summary for the subsequent year. Each sample is normally analyzed in triplicate and the results are evaluated against the internal acceptance criteria described in E-LAB 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 E-LAB internal acceptance criteria are summarized at the end of Table 6-1.

Environmental TLD Quality Assurance Program

Performance documentation of the routine processing of the Panasonic environmental TLD (thermoluminescent dosimeter) program at the E-LAB is provided by the dosimeter quality assurance testing program. This program includes independent third party performance testing by the Pacific Northwest National Laboratory (typically semi-annually) and internal performance testing conducted by the Laboratory QA Officer. Under these programs, sets of six dosimeters are irradiated to ANSI-specified testing criteria and submitted for processing 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 and representing between 5-10% of the TLDs processed, are not presented in this report.

Seventy-two internal performance tests were conducted in 2010 by the E-LAB. These tests were made on 12 separate sets of six dosimeters. All of the seventy-two individual measurements, when evaluated against the acceptance criteria for high-energy photons, met the E-LAB Internal Acceptance Criteria for bias (±20.1%) and precision (±12.8%).

Third party irradiations were performed by the Pacific Northwest National Laboratory. The third party dosimeters were analyzed. Both sets of six dosimeters passed the mean bias criteria of ±20.1%. All twelve dosimeter evaluations met the E-LAB individual acceptance criteria for bias (±20.1%) and precision (±12.8%).

Percentage of Individual Dosimeters that passed E-LAB Internal Criteria

Dosimeter Type	Number Tested	% Passed Bias Criteria	% Passed Precision Criteria
Panasonic Environmental	72	100	100

Summary of Third Party Dosimeter Testing

Dosimeter Type	Exposure Period	ANSI Category	% (Bias ± SD)*
Panasonic Environmental	FH 2010	II	-2.2 +/- 1.1
Panasonic Environmental	SH 2010	II	-1.5 +/- 1.4

* Performance criteria are the same as the internal criteria.

Note: Results are expressed as the delivered exposure for environmental TLD. ANSI HPS N13.29-1995 (Draft) Category II, High energy photons (Cs-137 or Co-60).

TABLE 6-1

E-LAB RESULTS IN THE INTRALABORATORY PROCESS CONTROL PROGRAM

January – September 2010

	Bias Criteria (1)		Precision Criteria (1), (2)	
	WITHIN CRITERIA	OUTSIDE CRITERIA	WITHIN CRITERIA	OUTSIDE CRITERIA
I. Air Particulate				
Gross Alpha	9	0	9	0
Gross Beta	174	0	9	0
Gamma	54	0	66	0
Sr-90	0	0	0	0
II. Air Charcoal				
Gamma-Quantitative	105	0	9	0
III. Food (Aquatic/Terrestrial)				
Gamma	0	0	24	0
Sr-90	0	0	0	0
IV. Milk				
Gamma	89	1	90	0
Iodine (LL)	9	0	9	0
Sr-89	3	0	3	0
Sr-90	3	0	3	0
V. Soil/Sediment				
Gamma	0	0	24	0
Sr-90	0	0	3	0
H-3	0	0	2	0
VI. Vegetation (Aquatic/Terrestrial)				
Gamma	0	0	16	0
Iodine (LL)	2	0	0	0
Sr-90	0	0	0	0
VII. Water				
Gross Alpha	10	0	10	0
Gross Beta	10	0	10	0
Gamma	95	1	152	0
Iodine (LL)	9	0	9	0
Sr-89	11	0	11	0
Sr-90	10	3	13	0
Tritium	19	0	28	0
Total Number In Range:	**612**	**5**	**500**	**0**
Percentage of Total Processed	**99.2**	**0.8**	**100**	**0**
Sum of Analyses:	**617**		**500**	

(1) Percent Bias Acceptance Criteria:
≤ 20 (or within 2 sigma of known)
For Gross Alpha and Beta, ≤ 25 (or within 2 sigma of known)
For Sr-89/90, ≤ 25 (or within 2 sigma of known)

(2) Percent Precision Acceptance Criteria:
≤ 20 (or within 2 sigma of mean)

TABLE 6-2

E-LAB RESULTS IN THE ANALYTICS INC. CROSS CHECK PROGRAM*

Quarter 4, 2009 - Quarter 2, 2010

SAMPLE NUMBER	QUARTER/ YEAR	SAMPLE MEDIA	NUCLIDE	UNITS	REPORTED VALUE	KNOWN VALUE	RATIO E-LAB/ ANALYTICS	PERFORMANCE EVALUATION
E6908-162	4th/2009	Water	Gross Alpha	pCi/L	214	258	0.83	Agreement
E6908-162	4th/2009	Water	Gross Beta	pCi/L	230	230	1.00	Agreement
E6909-162	4th/2009	Water	I-131LL	pCi/L	95.6	96.1	0.99	Agreement
E6909-162	4th/2009	Water	I-131	pCi/L	99.5	96.1	1.04	Agreement
E6909-162	4th/2009	Water	Ce-141	pCi/L	204	204	1.00	Agreement
E6909-162	4th/2009	Water	Cr-51	pCi/L	585	554	1.06	Agreement
E6909-162	4th/2009	Water	Cs-134	pCi/L	233	255	0.91	Agreement
E6909-162	4th/2009	Water	Cs-137	pCi/L	190	181	1.05	Agreement
E6909-162	4th/2009	Water	Co-58	pCi/L	219	213	1.03	Agreement
E6909-162	4th/2009	Water	Mn-54	pCi/L	190	179	1.06	Agreement
E6909-162	4th/2009	Water	Fe-59	pCi/L	194	179	1.08	Agreement
E6909-162	4th/2009	Water	Zn-65	pCi/L	360	348	1.03	Agreement
E6909-162	4th/2009	Water	Co-60	pCi/L	258	258	1.00	Agreement
E6910-162	4th/2009	Water	Sr-89	pCi/L	92.6	111	0.83	Agreement
E6910-162	4th/2009	Water	Sr-90	pCi/L	12.7	15.3	0.83	Agreement
E6911-162	4th/2009	Water	H-3	pCi/L	14100	14000	1.01	Agreement
E6912-162	4th/2009	Charcoal	I-131	pCi	87.3	90.3	0.97	Agreement
E6913-162	4th/2009	Filter	Gross Alpha	pCi	121	129	0.94	Agreement
E6913-162	4th/2009	Filter	Gross Beta	pCi	127	115	1.10	Agreement
E6914-162	4th/2009	Filter	Ce-141	pCi	109	113	0.97	Agreement
E6914-162	4th/2009	Filter	Cr-51	pCi	308	305	1.01	Agreement
E6914-162	4th/2009	Filter	Cs-134	pCi	135	140	0.96	Agreement
E6914-162	4th/2009	Filter	Cs-137	pCi	105	99.5	1.05	Agreement
E6914-162	4th/2009	Filter	Co-58	pCi	120	117	1.02	Agreement
E6914-162	4th/2009	Filter	Mn-54	pCi	99.0	98.7	1.00	Agreement
E6914-162	4th/2009	Filter	Fe-59	pCi	96.5	98.7	0.98	Agreement
E6914-162	4th/2009	Filter	Zn-65	pCi	190	192	0.99	Agreement
E6914-162	4th/2009	Filter	Co-60	pCi	134	142	0.94	Agreement
E6915-162	4th/2009	Milk	I-131LL	pCi/L	89.7	87.3	1.03	Agreement
E6915-162	4th/2009	Milk	I-131	pCi/L	87.5	87.3	1.00	Agreement
E6915-162	4th/2009	Milk	Ce-141	pCi/L	209	202	1.03	Agreement
E6915-162	4th/2009	Milk	Cr-51	pCi/L	556	548	1.01	Agreement
E6915-162	4th/2009	Milk	Cs-134	pCi/L	235	253	0.93	Agreement
E6915-162	4th/2009	Milk	Cs-137	pCi/L	191	179	1.07	Agreement
E6915-162	4th/2009	Milk	Co-58	pCi/L	222	211	1.05	Agreement
E6915-162	4th/2009	Milk	Mn-54	pCi/L	187	178	1.05	Agreement
E6915-162	4th/2009	Milk	Fe-59	pCi/L	192	178	1.08	Agreement
E6915-162	4th/2009	Milk	Zn-65	pCi/L	359	345	1.04	Agreement
E6915-162	4th/2009	Milk	Co-60	pCi/L	257	256	1.01	Agreement

TABLE 6-2 (cont'd)

E-LAB RESULTS IN THE ANALYTICS INC. CROSS CHECK PROGRAM*

Quarter 4, 2009 - Quarter 2, 2010

SAMPLE NUMBER	QUARTER/ YEAR	SAMPLE MEDIA	NUCLIDE	UNITS	REPORTED VALUE	KNOWN VALUE	RATIO E-LAB/ ANALYTICS	PERFORMANCE EVALUATION
E7010-162	1st/2010	Water	Gross Alpha	pCi/L	154	156	0.99	Agreement
E7010-162	1st/2010	Water	Gross Beta	pCi/L	287	293	0.98	Agreement
E7011-162	1st/2010	Water	I-131LL	pCi/L	68.4	72.2	0.95	Agreement
E7011-162	1st/2010	Water	I-131	pCi/L	73.5	72.2	1.02	Agreement
E7011-162	1st/2010	Water	Ce-141	pCi/L	248	263	0.94	Agreement
E7011-162	1st/2010	Water	Cr-51	pCi/L	336	364	0.92	Agreement
E7011-162	1st/2010	Water	Cs-134	pCi/L	158	179	0.88	Agreement
E7011-162	1st/2010	Water	Cs-137	pCi/L	156	159	0.98	Agreement
E7011-162	1st/2010	Water	Co-58	pCi/L	136	144	0.94	Agreement
E7011-162	1st/2010	Water	Mn-54	pCi/L	200	209	0.96	Agreement
E7011-162	1st/2010	Water	Fe-59	pCi/L	144	138	1.04	Agreement
E7011-162	1st/2010	Water	Zn-65	pCi/L	255	256	1.00	Agreement
E7011-162	1st/2010	Water	Co-60	pCi/L	177	185	0.96	Agreement
E7012-162	1st/2010	Water	Sr-89	pCi/L	74.5	89.8	0.83	Agreement
E7012-162	1st/2010	Water	Sr-90	pCi/L	20.1	12.3	1.63	Disagreement[1]
E7013-162	1st/2010	Water	H-3	pCi/L	11700	12000	0.97	Agreement
E7014-162	1st/2010	Charcoal	I-131	pCi	84.1	85.7	0.98	Agreement
E7015-162	1st/2010	Filter	Gross Alpha	pCi	92.9	102	0.91	Agreement
E7015-162	1st/2010	Filter	Gross Beta	pCi	218	191	1.14	Agreement
E7016-162	1st/2010	Milk	I-131LL	pCi/L	71.0	74.0	0.96	Agreement
E7016-162	1st/2010	Milk	I-131	pCi/L	80.6	74.0	1.09	Agreement
E7016-162	1st/2010	Milk	Ce-141	pCi/L	273	261	1.04	Agreement
E7016-162	1st/2010	Milk	Cr-51	pCi/L	368	361	1.02	Agreement
E7016-162	1st/2010	Milk	Cs-134	pCi/L	166	178	0.94	Agreement
E7016-162	1st/2010	Milk	Cs-137	pCi/L	171	158	1.09	Agreement
E7016-162	1st/2010	Milk	Co-58	pCi/L	151	143	1.06	Agreement
E7016-162	1st/2010	Milk	Mn-54	pCi/L	219	207	1.05	Agreement
E7016-162	1st/2010	Milk	Fe-59	pCi/L	155	137	1.13	Agreement
E7016-162	1st/2010	Milk	Zn-65	pCi/L	272	254	1.07	Agreement
E7016-162	1st/2010	Milk	Co-60	pCi/L	187	183	1.02	Agreement
E7017-162	1st/2010	Milk	Sr-89	pCi/L	76.6	92.8	0.83	Agreement
E7017-162	1st/2010	Milk	Sr-90	pCi/L	12.3	12.7	0.97	Agreement

TABLE 6-2 (cont'd)

E-LAB RESULTS IN THE ANALYTICS INC. CROSS CHECK PROGRAM*

Quarter 4, 2008 - Quarter 2, 2009

SAMPLE NUMBER	QUARTER/ YEAR	SAMPLE MEDIA	NUCLIDE	UNITS	REPORTED VALUE	KNOWN VALUE	RATIO E-LAB/ ANALYTICS	PERFORMANCE EVALUATION
E7075-162	2nd/2010	Water	Gross Alpha	pCi/L	99.3	102	0.98	Agreement
E7075-162	2nd/2010	Water	Gross Beta	pCi/L	294	266	1.10	Agreement
E7076-162	2nd/2010	Water	I-131LL	pCi/L	74.7	78.9	0.95	Agreement
E7076-162	2nd/2010	Water	I-131	pCi/L	79.5	78.9	1.01	Agreement
E7076-162	2nd/2010	Water	Ce-141	pCi/L	163	161	1.02	Agreement
E7076-162	2nd/2010	Water	Cr-51	pCi/L	505	494	1.02	Agreement
E7076-162	2nd/2010	Water	Cs-134	pCi/L	168	183	0.92	Agreement
E7076-162	2nd/2010	Water	Cs-137	pCi/L	233	218	1.07	Agreement
E7076-162	2nd/2010	Water	Co-58	pCi/L	151	147	1.03	Agreement
E7076-162	2nd/2010	Water	Mn-54	pCi/L	257	246	1.04	Agreement
E7076-162	2nd/2010	Water	Fe-59	pCi/L	185	173	1.07	Agreement
E7076-162	2nd/2010	Water	Zn-65	pCi/L	312	300	1.04	Agreement
E7076-162	2nd/2010	Water	Co-60	pCi/L	289	286	1.01	Agreement
E7077-162	2nd/2010	Water	Sr-89	pCi/L	86.6	100	0.87	Agreement
E7077-162	2nd/2010	Water	Sr-90	pCi/L	18.9	17.9	1.05	Agreement
E7078-162	2nd/2010	Water	H-3	pCi/L	9160	9630	0.95	Agreement
E7079-162	2nd/2010	Charcoal	I-131	pCi	79.6	80.0	1.00	Agreement
E7080-162	2nd/2010	Filter	Gross Alpha	pCi	84.3	87.8	0.96	Agreement
E7080-162	2nd/2010	Filter	Gross Beta	pCi	233	231	1.01	Agreement
E7081-162	2nd/2010	Filter	Ce-141	pCi	80.3	84.0	0.96	Agreement
E7081-162	2nd/2010	Filter	Cr-51	pCi	257	259	0.99	Agreement
E7081-162	2nd/2010	Filter	Cs-134	pCi	93.7	95.9	0.98	Agreement
E7081-162	2nd/2010	Filter	Cs-137	pCi	123	114	1.07	Agreement
E7081-162	2nd/2010	Filter	Co-58	pCi	78.8	77.1	1.02	Agreement
E7081-162	2nd/2010	Filter	Mn-54	pCi	129	129	1.00	Agreement
E7081-162	2nd/2010	Filter	Fe-59	pCi	91.0	90.5	1.01	Agreement
E7081-162	2nd/2010	Filter	Zn-65	pCi	155	157	0.99	Agreement
E7081-162	2nd/2010	Filter	Co-60	pCi	145	150	0.97	Agreement
E7082-162	2nd/2010	Milk	I-131LL	pCi/L	105.1	96.9	1.08	Agreement
E7082-162	2nd/2010	Milk	I-131	pCi/L	94.0	96.9	0.97	Agreement
E7082-162	2nd/2010	Milk	Ce-141	pCi/L	105	110	0.95	Agreement
E7082-162	2nd/2010	Milk	Cr-51	pCi/L	333	339	0.98	Agreement
E7082-162	2nd/2010	Milk	Cs-134	pCi/L	114	126	0.90	Agreement
E7082-162	2nd/2010	Milk	Cs-137	pCi/L	150	150	1.00	Agreement
E7082-162	2nd/2010	Milk	Co-58	pCi/L	99.8	101	0.99	Agreement
E7082-162	2nd/2010	Milk	Mn-54	pCi/L	172	169	1.02	Agreement
E7082-162	2nd/2010	Milk	Fe-59	pCi/L	123	119	1.03	Agreement
E7082-162	2nd/2010	Milk	Zn-65	pCi/L	204	206	0.99	Agreement
E7082-162	2nd/2010	Milk	Co-60	pCi/L	196	197	1.00	Agreement

NOTES

[1] The percent difference of the mean value from the known value exceeded the Manual 100 criterion for accuracy. CR 10-26 was issued to investigate the failure.

6.2 GEL Laboratories QA

GEL's primary goals are to ensure that all measurement data generated are scientifically and legally defensible, of known and acceptable quality per the data quality objectives (DQOs), and thoroughly documented to provide sound support for environmental decisions. In addition, GEL continues to ensure compliance with all contractual requirements, environmental standards, and regulations established by local, state and federal authorities.

GEL administers the QA program in accordance with the Quality Assurance Plan, GL-QS-B-001. Our Quality Systems include all quality assurance (QA) policies and quality control (QC) procedures necessary to plan, implement, and assess the work we perform. GEL's QA Program establishes a quality management system (QMS) that governs all of the activities of our organization.

This report entails the quality assurance program for the proficiency testing and environmental monitoring aspects of GEL for the 3rd and 4th quarters of 2010.

Quality Assurance Programs for Inter-laboratory, Intra-laboratory and Third Party Cross-Check

In addition to internal and client audits, our laboratory participates in annual performance evaluation studies conducted by independent providers. We routinely participate in the following types of performance audits:

- Proficiency testing and other inter-laboratory comparisons.
- Performance requirements necessary to retain Certifications
- Evaluation of recoveries of certified reference and in-house secondary reference materials using statistical process control data.
- Evaluation of relative percent difference between measurements through SPC data.

We also participate in a number of proficiency testing programs for federal and state agencies and as required by contracts. It is our policy that no proficiency evaluation samples be analyzed in any special manner. Our annual performance evaluation participation generally includes a combination of studies that support the following:

- ERA's InterLaB RadCheM Proficiency Testing Program for radiological analyses. This program completes the process of replacing the USEPA EMSL-LV Nuclear Radiation Assessment Division program discontinued in 1998. Laboratories seeking certification for radionuclide analysis in drinking water also use the study. This program is conducted in strict compliance with the USEPA National Standards for Water Proficiency Testing Studies. This program encompasses Uranium by EPA method 200.8 (for drinking water certification in Florida/Primary NELAP), gamma emitters, Gross Alpha/Beta, Iodine-131, naturally occurring radioactive isotopes, Strontium-89/90, and Tritium.

- Environmental Cross-Check Program administered by Eckert & Ziegler Analytics, Inc. This program encompasses radionuclides in water, soil, milk, naturally occurring radioactive isotopes in soil and air filters.

GEL procures single-blind performance evaluation samples from Eckert & Ziegler Analytics to verify the analysis of sample matrices processed at GEL. Samples are received on a quarterly basis. GEL's Third-Party Cross-Check Program provides environmental matrices encountered in a typical nuclear utility REMP. The Third-Party Cross-Check Program is intended to meet or exceed the inter-laboratory comparison program requirements discussed in NRC Regulatory Guide 4.15, revision 1. Once performance evaluation samples have been prepared in accordance with the instructions provided by the PT provider, samples are managed and analyzed in the same manner as environmental samples from GEL's clients.

Quality Assurance Program for Internal and External Audits

During each annual reporting period, at least one internal assessment is conducted in accordance with the pre-established schedule from Standard Operating Procedure for the Conduct of Quality Audits, GL-QS-

E001. The annual internal audit plan is reviewed for adequacy and includes the scheduled frequency and scope of quality control actions necessary to GEL's QA program. Internal audits are conducted at least annually in accordance with a schedule approved by the Quality Systems Director. Supplier audits are contingent upon the categorization of the supplier, and may or may not be conducted prior to the use of a supplier or subcontractor. Type I suppliers and subcontractors, regardless of how they were initially qualified, are re-evaluated at least once every three years.

In addition, prospective customers audit GEL during pre-contract audits. GEL hosts several external audits each year for both our clients and other programs. These programs include environmental monitoring, waste characterization, and radiobioassay. The following list of programs may audit GEL at least annually or up to every three years depending on the program.

- NELAC, National Environmental Laboratory Accreditation Program
- DOECAP, U.S. Department of Energy Consolidated Audit Program
- DOELAP, U.S. Department of Energy Laboratory Accreditation Program
- DOE QSAS, U.S. Department of Energy, Quality Systems for Analytical Services
- ISO/IEC 17025
- A2LA, American Association for Laboratory Accreditation
- DOD ELAP, US Department of Defense Environmental Accreditation Program
- NUPIC, Nuclear Procurement Issues Committee
- South Carolina Department of Heath and Environmental Control (SC DHEC)

The annual radiochemistry laboratory internal audit (10-RAD-001) was conducted in March 2010. Four findings, one observation, and two recommendations resulted from this assessment. Each finding was closed and appropriate laboratory staff addressed each observation and recommendation. The internal audit closed in June 2010.

Performance Evaluation Acceptance Criteria for Environmental Sample Analysis

For intra-laboratory or third party quality control programs that do not have a specific acceptance criteria (i.e. the Eckert-Ziegler Analytics Environmental Cross-check Program), results will be evaluated in accordance with GEL's internal acceptance criteria.

Performance Evaluation Samples

Performance Evaluation (PE) results and internal quality control sample results are evaluated in accordance with GEL acceptance criteria. The first criterion concerns bias, which is defined as the deviation of any one result from the known value. The second criterion concerns precision, which deals with the ability of the measurement to be replicated by comparison of an individual result with the mean of all results for a given sample set.

At GEL, we also evaluate our analytical performance on a regular basis through statistical process control acceptance criteria. Where feasible, this criterion is applied to both measures of precision and accuracy and is specific to sample matrix. We establish environmental process control limits at least annually.

For Radiochemistry analysis, quality control evaluation is based on static limits rather than those that are statistically derived. Our current process control limits are maintained in GEL's AlphaLIMS. We also measure precision with matrix duplicates and/or matrix spike duplicates. The upper and lower control limits (UCL and LCL respectively) for precision are plus or minus three times the standard deviation from the mean of a series of relative percent differences. The static precision criteria for radiochemical analyses are 0 - 20%, for activity levels exceeding the contract required detection limit (CRDL).

Quality Control Program for Environmental Sample Analysis

GEL's internal QA Program is designed to include QC functions such as instrumentation calibration checks (to insure proper instrument response), blank samples, instrumentation backgrounds, duplicates, as well as

overall staff qualification analyses and statistical process controls. Both quality control and qualification analyses samples are used to be as similar as the matrix type of those samples submitted for analysis by the various laboratory clients. These performance test samples (or performance evaluation samples) are either actual samples submitted in duplicate in order to evaluate the precision of laboratory measurements, or fortified blank samples, which have been given a known quantity of a radioisotope that is in the interest to GEL's clients.

Accuracy (or Bias) is measured through laboratory control samples and/or matrix spikes, as well as surrogates and internal standards. The UCLs and LCLs for accuracy are plus or minus three times the standard deviation from the mean of a series of recoveries. The static limit for radiochemical analyses is 75 - 125%. Specific instructions for out-of-control situations are provided in the applicable analytical SOP.

GEL's Laboratory Control Standard (LCS) is an aliquot of reagent water or other blank matrix to which known quantities of the method analytes are added in the laboratory. The LCS is analyzed exactly like a sample, and its purpose is to determine whether the methodology is in control, and whether the laboratory is capable of making accurate and precise measurements. Some methods may refer to these samples as Laboratory Fortified Blanks (LFB). The requirement for recovery is between 75 and 125% for radiological analyses excluding drinking water matrix.

$$\text{Bias (\%)} = \frac{\text{(observed concentration)}}{\text{(known concentration)}} * 100\ \%$$

Precision is a data quality indicator of the agreement between measurements of the same property, obtained under similar conditions, and how well they conform to themselves. Precision is usually expressed as standard deviation, variance or range in either absolute or relative (percentage) terms.

GEL's laboratory duplicate (DUP or LCSD) is an aliquot of a sample taken from the same container and processed in the same manner under identical laboratory conditions. The aliquot is analyzed independently from the parent sample and the results are compared to measure precision and accuracy.

If a sample duplicate is analyzed, it will be reported as Relative Percent Difference (RPD). The RPD must be 20 percent or less, if both samples are greater than 5 times the MDC. If both results are less than 5 times MDC, then the RPD must be equal to or less than 100%. If one result is above the MDC and the other is below the MDC, then the RPD can be calculated using the MDC for the result of the one below the MDC. The RPD must be 100% or less. In the situation where both results are above the MDC but one result is greater than 5 times the MDC and the other is less than 5 times the MDC, the RPD must be less than or equal to 20%. If both results are below MDC, then the limits on % RPD are not applicable.

$$\text{Difference (\%)} = \frac{\text{(high duplicate result – low duplicate result)}}{\text{(average of results)}} * 100\ \%$$

Summary of Data Results

During 2010, forty-three radioisotopes associated with six matrix types were analyzed under GEL's Performance Evaluation program in participation with ERA, MAPEP, NYSDOH ELAP and Eckert & Ziegler Analytics. Matrix types were representative of client analyses performed during 2010. The list below contains the type of matrix evaluated by GEL.

- Air Filter
- Cartridge
- Water
- Milk
- Soil
- Vegetation

A summary of GEL's quality control for radiological analyses by isotopic analysis and matrix are represented in Table 6-5. Each LCS and DUP represents a batch of samples for each isotopic analysis. This summary contains the number of reportable quality control results for our clients.

Summary of Participation in the Eckert & Ziegler Analytics Environmental Cross-Check Program

During 2010, Eckert & Ziegler Analytics provided samples for 106 individual environmental analyses. Of the 106 analyses, 99% (105 out of 106) of all results fell within the PT provider's acceptance criteria. The only analytical failure occurred with the analysis of Iron-59 in milk. For the corrective action associated with the Iron-59 failure, refer to CARR110209-542. The results are summarized in Table 6-4.

Quality Control Program for REMP Analyses

GEL's internal (intra-laboratory) quality control program evaluated 1590 individual analyses for bias and 1591 analyses for precision for standard REMP matrix and radionuclides. Of the 959 internal quality control analyses evaluated for bias, 100% met laboratory acceptance criteria. In addition, 100% of the 1591 results for precision were found to be acceptable. The results are summarized in Table 6-5.

TABLE 6-3:
GEL 2010 RADIOLOGICAL ENVIRONMENTAL MONITORING PROGRAM (REMP)
INTRA-LABORATORY DATA SUMMARY: BIAS AND PRECISION BY MATRIX

2010	Bias Criteria (+/- 25%) Laboratory Control Sample (LCS)		Precision Criteria (% RPD[1]) Duplicate (DUP or LCSD)	
	WITHIN CRITERIA	OUTSIDE CRITERIA	WITHIN CRITERIA	OUTSIDE CRITERIA
Air Particulate				
Gross Alpha/Beta	325	0	326	0
Americium-241	16	0	16	0
Iodine-131	247	0	249	0
Gamma	23	0	23	0
Strontium-90	15	0	15	0
Air Cartridge				
Iodine-131	11	0	11	0
Milk				
Gamma	63	0	64	0
Iodine-131	61	0	61	0
Strontium-90	33	0	34	0
Solid				
Gamma	27	0	29	0
Carbon-14	2	0	2	0
Iron-55	3	0	3	0
Nickel-63	3	0	3	0
Strontium-90	11	0	11	0
Tissue				
Gamma	38	0	36	0
Strontium-90	3	0	3	0
Vegetation				
Gamma (Including Iodine)	59	0	61	0
Strontium-90	3	0	3	0
Water				
Carbon-14	2	0	2	0
Gross Alpha/Beta	98	0	99	0
Gamma	177	0	170	0
Iodine-131	46	0	47	0
Iron-55	33	0	33	0
Nickel-63	35	0	35	0
Strontium-90	80	0	81	0
Tritium	176	0	174	0
Total:	1590	0	1591	0

Note 1: The RPD must be 20 percent or less, if both samples are greater than 5 times the MDC. If both results are less than 5 times MDC, then the RPD must be equal to or less than 100%. If one result is above the MDC and the other is below the MDC, then the RPD can be calculated using the MDC for the result of the one below the MDC. The RPD must be 100% or less. In the situation where both results are above the MDC but one result is greater than 5 times the MDC and the other is less than 5 times the MDC, the RPD must be less than or equal to 20%. If both results are below MDC, then the limits on % RPD are not applicable.

Table 6-4:
2010 ECKERT & ZIEGLER ANALYTICS PERFORMANCE EVALUATION RESULTS SUMMARY FOR QUARTER 3, 2010- QUARTER 4, 2010

Sample Number	Quarter / Year	Sample Media	Unit	Analyte / Nuclide	GEL Value	Known value	Acceptance Range/ Ratio	Evaluation
E7119-278	3 rd / 2010	Milk	pCi/L	Cesium-137	1.68E+02	1.50E+02	1.12	Acceptable
E7119-278	3 rd / 2010	Milk	pCi/L	Chromium-51	3.90E+02	3.39E+02	1.15	Acceptable
E7119-278	3 rd / 2010	Milk	pCi/L	Cobalt-58	1.13E+02	1.01E+02	1.12	Acceptable
E7119-278	3 rd / 2010	Milk	pCi/L	Cobalt-60	2.14E+02	1.97E+02	1.09	Acceptable
E7117-278	3 rd / 2010	Milk	pCi/L	Iodine-131	7.97E+01	8.02E+01	0.99	Acceptable
E7119-278	3 rd / 2010	Milk	pCi/L	Iodine-131	1.06E+02	9.69E+01	1.09	Acceptable
E7119-278	3 rd / 2010	Milk	pCi/L	Iron-59	1.55E+02	1.19E+02	1.30	Not Acceptable
E7119-278	3 rd / 2010	Milk	pCi/L	Manganese-54	1.99E+02	1.69E+02	1.18	Acceptable
E7118-278	3 rd / 2010	Milk	pCi/L	Strontium-89	7.95E+01	9.34E+01	0.85	Acceptable
E7118-278	3 rd / 2010	Milk	pCi/L	Strontium-90	1.57E+01	1.67E+01	0.94	Acceptable
E7119-278	3 rd / 2010	Milk	pCi/L	Zinc-65	2.40E+02	2.06E+02	1.17	Acceptable
E7195-278	4th / 2010	Milk	pCi/L	Cerium-141	1.39E+02	1.30E+02	1.07	Acceptable
E7196-278	4th / 2010	Water	pCi/L	Cerium-141	1.74E+02	1.65E+02	1.05	Acceptable
E7195-278	4th / 2010	Milk	pCi/L	Cesium-134	9.85E+01	9.30E+01	1.06	Acceptable
E7196-278	4th / 2010	Water	pCi/L	Cesium-134	1.22E+02	1.18E+02	1.03	Acceptable
E7195-278	4th / 2010	Milk	pCi/L	Cesium-137	9.87E+01	9.45E+01	1.04	Acceptable
E7196-278	4th / 2010	Water	pCi/L	Cesium-137	1.24E+02	1.20E+02	1.03	Acceptable
E7195-278	4th / 2010	Milk	pCi/L	Chromium-51	2.48E+02	2.34E+02	1.06	Acceptable
E7196-278	4th / 2010	Water	pCi/L	Chromium-51	3.12E+02	2.97E+02	1.05	Acceptable
E7195-278	4th / 2010	Milk	pCi/L	Cobalt-58	7.02E+01	7.37E+01	0.95	Acceptable
E7196-278	4th / 2010	Water	pCi/L	Cobalt-58	9.63E+01	9.35E+01	1.03	Acceptable
E7195-278	4th / 2010	Milk	pCi/L	Cobalt-60	1.77E+02	1.71E+02	1.04	Acceptable
E7196-278	4th / 2010	Water	pCi/L	Cobalt-60	2.34E+02	2.17E+02	1.08	Acceptable
E7193-278	4th / 2010	Cartridge	pCi	Iodine-131	5.97E+01	6.02E+01	0.99	Acceptable
E7195-278	4th / 2010	Milk	pCi/L	Iodine-131	1.01E+02	9.41E+02	1.07	Acceptable
E7196-278	4th / 2010	Water	pCi/L	Iodine-131	7.24E+01	6.44E+01	1.12	Acceptable
E7195-278	4th / 2010	Milk	pCi/L	Iron-59	1.02E+02	9.11E+01	1.12	Acceptable
E7195-278	4th / 2010	Milk	pCi/L	Manganese-54	1.20E+02	1.19E+02	1.01	Acceptable
E7196-278	4th / 2010	Water	pCi/L	Manganese-54	1.70E+02	1.52E+02	1.12	Acceptable
E7194-278	4th / 2010	Milk	pCi/L	Strontium-89	7.62E+01	9.28E+01	0.82	Acceptable
E7194-278	4th / 2010	Milk	pCi/L	Strontium-90	1.30E+01	1.47E+01	0.88	Acceptable
E7195-278	4th / 2010	Milk	pCi/L	Zinc-65	2.37E+02	2.04E+02	1.16	Acceptable
E7196-278	4th / 2010	Water	pCi/L	Zinc-65	2.97E+02	2.59E+02	1.15	Acceptable

TABLE 6-5:
GEL 2010 RADIOLOGICAL INTRA-LABORATORY DATA SUMMARY: BIAS AND PRECISION BY MATRIX

ANALYSIS	INSTRUMENT	LCS FILTER	DUP FILTER	LCS SWIPE	DUP SWIPE	LCS SOLID	DUP SOLID	LCS OIL	DUP OIL
Americium-241	Alpha Spec	2	2	47	38	485	477	13	12
Americium-243	Alpha Spec	2	2	1	0	53	50	2	2
Carbon-14	Liquid Scintillation	4	3	38	32	98	99	9	9
Gamma (long list of isotopes)	Gamma Spec	283	272	47	42	770	792	27	27
Gross Alpha/Beta	Gas Flow	111	135	20	18	20	18	42	42
Iodine-129	Gamma Spec	99	88	28	28	28	28	9	9
Iodine-131	Gamma Spec	6	4	0	0	0	0	0	0
Iron-55	Liquid Scintillation	89	8	30	24	46	48	8	8
Isotopic Plutonium	Alpha Spec and Liquid Scintillation	212	186	82	66	687	683	12	11
Isotopic Strontium	Gas Flow	165	136	41	34	365	367	1	1
Isotopic Thorium	Alpha Spec	82	59	0	0	371	372	0	0
Isotopic Uranium	Alpha Spec and ICP-MS	137	112	13	10	713	697	24	24
Lead-210	Gas Flow	44	26	0	0	33	34	0	0
Nickel-59	Gamma Spec	65	60	28	22	64	64	7	7
Nickel-63	Liquid Scintillation	95	89	39	30	75	74	8	8
Neptunium-237	Alpha Spec	67	59	32	23	107	107	10	9
Polonium-210	Alpha Spec	18	6	0	0	5	6	0	0
Promethium-137	Liquid Scintillation	8	5	0	0	12	11	0	0
Radium-226	Lucas Cell	44	31	0	0	167	175	0	0
Radium-228	Gas Flow	29	25	0	0	129	124	0	0
Technetium-99	Liquid Scintillation	87	75	32	24	142	145	12	12
Tritium	Liquid Scintillation	90	76	42	24	358	359	19	19
ANALYSIS	INSTRUMENT	LCS SLUDGE	DUP SLUDGE	LCS MISC SOLID	DUP MISC SOLID	LCS MISC LIQUID	DUP MISC LIQUID	LCS LIQUID	DUP LIQUID
Americium-241	Alpha Spec	4	4	231	220	22	19	383	335
Americium-243	Alpha Spec	1	1	21	21	5	4	12	11
Carbon-14	Liquid Scintillation	5	5	110	108	34	33	218	175
Gamma (long list of isotopes)	Gamma Spec	17	18	260	256	72	68	747	820
Gross Alpha/Beta	Gas Flow	27	27	112	109	87	80	1169	1180
Iodine-129	Gamma Spec	1	1	88	88	21	21	162	94
Iodine-131	Gamma Spec	0	0	0	0	0	0	11	14
Iron-55	Liquid Scintillation	3	3	74	72	42	43	123	103
Isotopic Plutonium	Alpha Spec or Liquid Scintillation	7	7	143	137	77	70	108	95
Isotopic Strontium	Gas Flow	13	13	61	60	80	76	16	12
Isotopic Thorium	Alpha Spec	13	13	145	132	8	8	289	359
Isotopic Uranium	Alpha Spec	24	24	102	87	39	36	640	557
Lead-210	Gas Flow	0	0	0	0	0	0	114	108
Nickel-59	Gamma Spec	0	0	68	66	9	9	76	63
Nickel-63	Liquid Scintillation	5	5	74	72	50	51	172	143
Neptunium-237	Alpha Spec	3	3	0	0	16	15	193	168
Polonium-210	Alpha Spec	0	0	1	1	0	0	3	3
Promethium-137	Liquid Scintillation	1	1	5	5	3	3	6	2
Radium-226	Lucas Cell	2	2	25	25	5	5	502	505
Radium-228	Gas Flow	0	0	27	28	1	1	432	426
Technetium-99	Liquid Scintillation	15	15	179	175	39	40	41	41
Tritium	Liquid Scintillation	9	9	125	122	8	8	898	824

7.0 Land Use Census

The Offsite Dose Calculation Manual (ODCM Control 9.2.1) requires that a Land Use Census be conducted annually to identify the location of the nearest residence, milk animal and nearest garden of greater than 50 square meters producing broad leaf vegetation in each of the 16 meteorological sectors within five miles of the plant. The 2010 census was completed in accordance with the requirements of the ODCM. In 2010, a global positioning system was used to determine locations in the off-site environs with respect to the center of the site (Unit 1 Containment).

The nearest resident, garden and milk animal locations identified in the 2010 Land Use Census and their distances are shown in Table 7.0-1. There were two changes in the identification of nearest residents (sectors N and ESE) from last year's census. There were six sectors which had a new nearest garden location different from last year's land use census (4 closer [NNE, WSW, W, NW] than last year's, 2 further away [S, SW]). There were two new milk locations identified within the required 8 km radius that were different from those reported in the 2009 land use census.

The results of this year's census also showed that the sampling locations used in the REMP continue to have the highest calculated dose commitments of available locations. In 2010, broad leaf vegetation continued as part of the sample collection and analysis program due to the absence of sufficient milk producing locations to provide REMP samples. Sampling locations for broad leaf vegetation are at the site boundary near points of highest predicted D/Q. This option continues, as opposed to public owned vegetable gardens located by the land use census, in order to ensure adequate availability of samples for REMP analysis from locations with the highest potential for detecting plant effluents.

Table 7.0-1

2010 Land Use Census Results
(Within 5 Miles)

Sector	Nearest Residence (km)	Nearest Garden (km)	Nearest Milk Animal (km)
N	2.73 [a]	3.97	
NNE	3.09	3.09 [a]	8.1 [b]
NE	2.92	4.20	
ENE	2.31	---	
E	2.56	---	
ESE	2.43 [a]	---	
SE	2.36	4.18	
SSE	1.65	---	
S	1.21	1.25 [a]	
SSW	1.12	1.22	
SW	1.13	1.72 [a]	
WSW	1.87	2.27 [a]	
W	1.32	1.53 [a]	1.53 [a]
WNW	1.11	1.52	5.04 [a]
NW	1.22	1.18 [a]	6.93
NNW	1.04	1.04	

[a] New locations in 2010.

[b] Milk location located just beyond the 8 km maximum inventory distance limit of ODCM Table A.9.1-1.

Attachment 1: Sample Analysis Data List for 2010

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	
AL	5	L16559-01	5/18/2010	AcTh-228	-9.50E+01	4.10E+01	1.70E+02	
AL	5	L16559-01	5/18/2010	Ag-108m	9.00E+00	1.00E+01	3.50E+01	
AL	5	L16559-01	5/18/2010	Ag-110m	2.00E+00	1.60E+01	5.60E+01	
AL	5	L16559-01	5/18/2010	Ba-140	-1.70E+01	3.80E+01	1.40E+02	
AL	5	L16559-01	5/18/2010	Be-7	-2.00E+01	1.10E+02	4.00E+02	
AL	5	L16559-01	5/18/2010	Ce-141	2.40E+01	1.50E+01	5.10E+01	
AL	5	L16559-01	5/18/2010	Ce-144	5.10E+01	5.00E+01	1.70E+02	
AL	5	L16559-01	5/18/2010	Co-57	-6.00E+00	6.00E+00	2.20E+01	
AL	5	L16559-01	5/18/2010	Co-58	-6.00E+00	1.30E+01	5.00E+01	
AL	5	L16559-01	5/18/2010	Co-60	2.10E+01	1.40E+01	4.60E+01	
AL	5	L16559-01	5/18/2010	Cr-51	1.00E+01	1.10E+02	3.90E+02	
AL	5	L16559-01	5/18/2010	Cs-134	1.67E+01	9.60E+00	3.60E+01	
AL	5	L16559-01	5/18/2010	Cs-137	-2.10E+00	9.80E+00	3.60E+01	
AL	5	L16559-01	5/18/2010	Fe-59	1.80E+01	3.20E+01	1.10E+02	
AL	5	L16559-01	5/18/2010	I-131	4.00E+00	3.80E+01	1.40E+02	
AL	5	L16559-01	5/18/2010	K-40	8.59E+03	4.50E+02	6.30E+02	*
AL	5	L16559-01	5/18/2010	La-140	-1.70E+01	3.80E+01	1.40E+02	
AL	5	L16559-01	5/18/2010	Mn-54	8.00E+00	1.30E+01	4.40E+01	
AL	5	L16559-01	5/18/2010	Nb-95	2.80E+01	1.30E+01	4.10E+01	
AL	5	L16559-01	5/18/2010	Ru-103	1.10E+01	1.30E+01	4.50E+01	
AL	5	L16559-01	5/18/2010	Ru-106	1.42E+02	9.60E+01	3.20E+02	
AL	5	L16559-01	5/18/2010	Sb-124	-2.20E+01	2.80E+01	1.10E+02	
AL	5	L16559-01	5/18/2010	Sb-125	-3.20E+01	3.00E+01	1.10E+02	
AL	5	L16559-01	5/18/2010	Se-75	2.00E+00	1.30E+01	4.60E+01	
AL	5	L16559-01	5/18/2010	Tel-132	1.40E+02	3.80E+02	1.30E+03	
AL	5	L16559-01	5/18/2010	Zn-65	-3.40E+01	3.10E+01	1.20E+02	
AL	5	L16559-01	5/18/2010	Zr-95	4.90E+01	2.20E+01	7.00E+01	
AL	5	267326001	11/16/2010	Ac-228	3.68E+00	1.89E+01	6.13E+01	
AL	5	267326001	11/16/2010	Ag-108m	3.89E+00	3.15E+00	1.08E+01	
AL	5	267326001	11/16/2010	Ag-110m	-5.28E+00	6.18E+00	1.89E+01	
AL	5	267326001	11/16/2010	Ba-140	1.68E+00	4.37E+01	1.47E+02	
AL	5	267326001	11/16/2010	Be-7	3.88E+01	4.19E+01	1.40E+02	
AL	5	267326001	11/16/2010	Bi-214	1.01E+01	1.20E+01	3.12E+01	
AL	5	267326001	11/16/2010	Ce-141	1.05E+00	8.14E+00	2.61E+01	
AL	5	267326001	11/16/2010	Ce-144	9.42E+00	2.06E+01	6.70E+01	
AL	5	267326001	11/16/2010	Co-57	-1.34E+00	2.74E+00	8.66E+00	
AL	5	267326001	11/16/2010	Co-58	-3.92E+00	4.95E+00	1.53E+01	
AL	5	267326001	11/16/2010	Co-60	-4.23E+00	4.58E+00	1.38E+01	
AL	5	267326001	11/16/2010	Cr-51	-7.58E+01	4.58E+01	1.39E+02	
AL	5	267326001	11/16/2010	Cs-134	-2.45E+00	4.60E+00	1.45E+01	
AL	5	267326001	11/16/2010	Cs-137	-5.84E+00	3.98E+00	1.20E+01	
AL	5	267326001	11/16/2010	Fe-59	8.33E+00	1.51E+01	5.16E+01	
AL	5	267326001	11/16/2010	I-131	1.47E+01	2.38E+01	7.97E+01	
AL	5	267326001	11/16/2010	K-40	7.52E+03	4.17E+02	1.36E+02	*
AL	5	267326001	11/16/2010	La-140	-1.42E+00	1.11E+01	3.65E+01	
AL	5	267326001	11/16/2010	Mn-54	-8.14E+00	4.38E+00	1.25E+01	
AL	5	267326001	11/16/2010	Nb-95	3.95E+00	4.59E+00	1.58E+01	
AL	5	267326001	11/16/2010	Pb-212	5.60E+00	9.34E+00	2.26E+01	
AL	5	267326001	11/16/2010	Pb-214	-4.04E+00	9.17E+00	2.80E+01	
AL	5	267326001	11/16/2010	Ra-226	1.01E+01	1.20E+01	3.12E+01	

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	
AL	5	267326001	11/16/2010	Ru-103	-1.87E+00	4.45E+00	1.47E+01	
AL	5	267326001	11/16/2010	Ru-106	4.05E+01	3.83E+01	1.33E+02	
AL	5	267326001	11/16/2010	Sb-124	-5.81E+00	7.44E+00	2.18E+01	
AL	5	267326001	11/16/2010	Sb-125	-1.77E+01	9.89E+00	2.88E+01	
AL	5	267326001	11/16/2010	Se-75	-3.21E+00	4.84E+00	1.57E+01	
AL	5	267326001	11/16/2010	Th-228	5.60E+00	9.34E+00	2.26E+01	
AL	5	267326001	11/16/2010	Th-230	1.01E+01	1.20E+01	3.12E+01	
AL	5	267326001	11/16/2010	Tl-208	-1.18E+00	4.43E+00	1.42E+01	
AL	5	267326001	11/16/2010	Zn-65	-1.01E+01	1.23E+01	3.92E+01	
AL	5	267326001	11/16/2010	Zr-95	-2.97E+00	8.56E+00	2.74E+01	
AL	55	L16559-02	5/18/2010	AcTh-228	5.20E+01	4.00E+01	1.40E+02	
AL	55	L16559-02	5/18/2010	Ag-108m	1.44E+01	9.20E+00	3.00E+01	
AL	55	L16559-02	5/18/2010	Ag-110m	7.00E+00	1.50E+01	5.20E+01	
AL	55	L16559-02	5/18/2010	Ba-140	9.00E+00	2.50E+01	9.40E+01	
AL	55	L16559-02	5/18/2010	Be-7	1.90E+02	1.00E+02	3.30E+02	
AL	55	L16559-02	5/18/2010	Ce-141	4.00E+00	2.00E+01	6.70E+01	
AL	55	L16559-02	5/18/2010	Ce-144	3.10E+01	4.90E+01	1.70E+02	
AL	55	L16559-02	5/18/2010	Co-57	-5.00E+00	6.90E+00	2.50E+01	
AL	55	L16559-02	5/18/2010	Co-58	7.00E+00	1.10E+01	3.80E+01	
AL	55	L16559-02	5/18/2010	Co-60	8.00E+00	1.10E+01	3.80E+01	
AL	55	L16559-02	5/18/2010	Cr-51	-1.20E+02	1.20E+02	4.20E+02	
AL	55	L16559-02	5/18/2010	Cs-134	3.10E+00	8.80E+00	3.90E+01	
AL	55	L16559-02	5/18/2010	Cs-137	-3.00E+00	1.10E+01	3.90E+01	
AL	55	L16559-02	5/18/2010	Fe-59	-4.00E+00	2.60E+01	9.50E+01	
AL	55	L16559-02	5/18/2010	I-131	3.00E+01	3.70E+01	1.30E+02	
AL	55	L16559-02	5/18/2010	K-40	7.47E+03	3.80E+02	5.20E+02	*
AL	55	L16559-02	5/18/2010	La-140	9.00E+00	2.50E+01	9.40E+01	
AL	55	L16559-02	5/18/2010	Mn-54	-8.00E+00	1.00E+01	3.80E+01	
AL	55	L16559-02	5/18/2010	Nb-95	-9.00E+00	1.50E+01	5.50E+01	
AL	55	L16559-02	5/18/2010	Ru-103	-5.00E+00	1.30E+01	4.60E+01	
AL	55	L16559-02	5/18/2010	Ru-106	2.04E+02	9.70E+01	3.10E+02	
AL	55	L16559-02	5/18/2010	Sb-124	0.00E+00	2.10E+01	8.20E+01	
AL	55	L16559-02	5/18/2010	Sb-125	-3.50E+01	2.70E+01	1.00E+02	
AL	55	L16559-02	5/18/2010	Se-75	-2.40E+01	1.20E+01	4.50E+01	
AL	55	L16559-02	5/18/2010	Tel-132	-2.60E+02	3.50E+02	1.30E+03	
AL	55	L16559-02	5/18/2010	Zn-65	-1.00E+01	2.50E+01	9.40E+01	
AL	55	L16559-02	5/18/2010	Zr-95	-2.00E+00	2.00E+01	7.10E+01	
AL	55	267326002	11/16/2010	Ac-228	5.02E+01	1.94E+01	7.24E+01	
AL	55	267326002	11/16/2010	Ag-108m	-4.34E+00	3.27E+00	1.01E+01	
AL	55	267326002	11/16/2010	Ag-110m	-8.27E-01	5.61E+00	1.83E+01	
AL	55	267326002	11/16/2010	Ba-140	6.39E+01	5.24E+01	1.78E+02	
AL	55	267326002	11/16/2010	Be-7	5.34E+01	4.31E+01	1.50E+02	
AL	55	267326002	11/16/2010	Bi-214	9.49E-01	1.24E+01	3.21E+01	
AL	55	267326002	11/16/2010	Ce-141	-6.66E+00	7.36E+00	2.29E+01	
AL	55	267326002	11/16/2010	Ce-144	-2.27E+01	1.73E+01	5.52E+01	
AL	55	267326002	11/16/2010	Co-57	1.03E+00	2.12E+00	7.29E+00	
AL	55	267326002	11/16/2010	Co-58	2.09E+00	5.60E+00	1.90E+01	
AL	55	267326002	11/16/2010	Co-60	6.42E-01	5.25E+00	1.76E+01	
AL	55	267326002	11/16/2010	Cr-51	-4.30E+01	4.16E+01	1.34E+02	
AL	55	267326002	11/16/2010	Cs-134	-3.09E+00	4.99E+00	1.59E+01	
AL	55	267326002	11/16/2010	Cs-137	-1.33E+00	5.64E+00	2.09E+01	

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	
AL	55	267326002	11/16/2010	Fe-59	1.87E+01	1.59E+01	5.48E+01	
AL	55	267326002	11/16/2010	I-131	1.18E+01	2.20E+01	7.60E+01	
AL	55	267326002	11/16/2010	K-40	6.94E+03	3.92E+02	1.11E+02	*
AL	55	267326002	11/16/2010	La-140	9.38E+00	1.49E+01	5.23E+01	
AL	55	267326002	11/16/2010	Mn-54	-1.61E+00	4.56E+00	1.47E+01	
AL	55	267326002	11/16/2010	Nb-95	-5.16E-01	5.27E+00	1.75E+01	
AL	55	267326002	11/16/2010	Pb-212	1.06E+01	9.54E+00	2.19E+01	
AL	55	267326002	11/16/2010	Pb-214	2.52E+01	1.14E+01	3.14E+01	
AL	55	267326002	11/16/2010	Ra-226	9.49E-01	1.24E+01	3.21E+01	
AL	55	267326002	11/16/2010	Ru-103	9.05E+00	4.66E+00	1.69E+01	
AL	55	267326002	11/16/2010	Ru-106	-1.38E+02	4.09E+01	9.93E+01	
AL	55	267326002	11/16/2010	Sb-124	-2.86E+01	1.19E+01	2.42E+01	
AL	55	267326002	11/16/2010	Sb-125	-1.28E+01	9.31E+00	2.85E+01	
AL	55	267326002	11/16/2010	Se-75	4.51E+00	4.74E+00	1.58E+01	
AL	55	267326002	11/16/2010	Th-228	1.06E+01	9.54E+00	2.19E+01	
AL	55	267326002	11/16/2010	Th-230	9.49E-01	1.24E+01	3.21E+01	
AL	55	267326002	11/16/2010	Tl-208	4.89E+00	4.93E+00	1.62E+01	
AL	55	267326002	11/16/2010	Zn-65	1.05E+01	1.31E+01	4.43E+01	
AL	55	267326002	11/16/2010	Zr-95	7.15E+00	9.77E+00	3.40E+01	

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m^3)	STD.DEV. (pCi/m^3)	MDC (pCi/m^3)	
AP	1	L16086-01	1/13/2010	Gross Beta	1.06E-02	1.30E-03	3.30E-03	*
AP	1	L16136-01	1/27/2010	Gross Beta	2.18E-02	1.40E-03	2.80E-03	*
AP	1	L16186-01	2/10/2010	Gross Beta	1.83E-02	1.40E-03	2.90E-03	*
AP	1	L16222-01	2/23/2010	Gross Beta	1.04E-02	1.30E-03	3.40E-03	*
AP	1	L16280-01	3/2/2010	Gross Beta	6.50E-03	1.30E-03	3.80E-03	*
AP	1	L16326-01	3/23/2010	Gross Beta	1.71E-02	1.50E-03	3.30E-03	*
AP	1	L16412-01	3/23/2010	AcTh-228	1.10E-03	1.10E-03	3.90E-03	
AP	1	L16412-01	3/23/2010	Ag-108m	6.00E-05	2.10E-04	8.20E-04	
AP	1	L16412-01	3/23/2010	Ag-110m	-3.90E-04	3.90E-04	2.10E-03	
AP	1	L16412-01	3/23/2010	Ba-140	0.00E+00	0.00E+00	1.50E-02	
AP	1	L16412-01	3/23/2010	Be-7	7.60E-02	1.30E-02	2.80E-02	*
AP	1	L16412-01	3/23/2010	Ce-141	-1.08E-03	9.90E-04	4.00E-03	
AP	1	L16412-01	3/23/2010	Ce-144	2.00E-03	1.30E-03	4.30E-03	
AP	1	L16412-01	3/23/2010	Co-57	-2.00E-04	1.30E-04	5.60E-04	
AP	1	L16412-01	3/23/2010	Co-58	8.00E-05	4.90E-04	2.10E-03	
AP	1	L16412-01	3/23/2010	Co-60	0.00E+00	0.00E+00	4.90E-04	
AP	1	L16412-01	3/23/2010	Cr-51	-1.12E-02	7.40E-03	3.50E-02	
AP	1	L16412-01	3/23/2010	Cs-134	-3.20E-04	2.10E-04	1.40E-03	
AP	1	L16412-01	3/23/2010	Cs-137	-4.10E-04	3.40E-04	1.60E-03	
AP	1	L16412-01	3/23/2010	Fe-59	-3.00E-04	1.90E-03	8.60E-03	
AP	1	L16412-01	3/23/2010	I-131	1.20E-02	2.00E-02	7.60E-02	
AP	1	L16412-01	3/23/2010	K-40	-3.00E-04	4.50E-03	2.00E-02	
AP	1	L16412-01	3/23/2010	La-140	0.00E+00	0.00E+00	1.50E-02	
AP	1	L16412-01	3/23/2010	Mn-54	-1.80E-04	3.40E-04	1.60E-03	
AP	1	L16412-01	3/23/2010	Nb-95	-1.90E-04	9.30E-04	4.20E-03	
AP	1	L16412-01	3/23/2010	Ru-103	-2.40E-04	6.30E-04	2.90E-03	
AP	1	L16412-01	3/23/2010	Ru-106	-6.00E-04	2.90E-03	1.20E-02	
AP	1	L16412-01	3/23/2010	Sb-124	2.20E-03	2.50E-03	9.10E-03	
AP	1	L16412-01	3/23/2010	Sb-125	1.19E-03	6.80E-04	2.10E-03	
AP	1	L16412-01	3/23/2010	Se-75	-5.20E-04	3.00E-04	1.40E-03	
AP	1	L16412-01	3/23/2010	Zn-65	-1.00E-03	1.20E-03	5.40E-03	
AP	1	L16412-01	3/23/2010	Zr-95	2.00E-03	1.20E-03	3.80E-03	
AP	1	L16375-01	4/7/2010	Gross Beta	1.61E-02	1.30E-03	2.90E-03	*
AP	1	L16437-01	4/21/2010	Gross Beta	1.67E-02	1.40E-03	3.20E-03	*
AP	1	L16494-01	5/5/2010	Gross Beta	2.02E-02	1.50E-03	3.00E-03	*
AP	1	L16537-01	5/19/2010	Gross Beta	1.50E-02	1.30E-03	2.90E-03	*
AP	1	L16583-01	6/1/2010	Gross Beta	1.73E-02	1.40E-03	2.90E-03	*
AP	1	L16641-01	6/16/2010	Gross Beta	1.33E-02	1.20E-03	2.80E-03	*
AP	1	L16677-01	6/30/2010	Gross Beta	2.02E-02	1.50E-03	3.00E-03	*
AP	1	L16703-01	6/30/2010	AcTh-228	8.00E-04	1.10E-03	4.00E-03	
AP	1	L16703-01	6/30/2010	Ag-108m	1.10E-04	1.90E-04	7.10E-04	
AP	1	L16703-01	6/30/2010	Ag-110m	-5.20E-04	3.00E-04	1.90E-03	
AP	1	L16703-01	6/30/2010	Ba-140	1.31E-02	9.30E-03	1.80E-02	
AP	1	L16703-01	6/30/2010	Be-7	1.46E-01	1.60E-02	2.60E-02	*
AP	1	L16703-01	6/30/2010	Ce-141	0.00E+00	1.10E-03	4.00E-03	
AP	1	L16703-01	6/30/2010	Ce-144	-1.29E-03	8.90E-04	3.90E-03	
AP	1	L16703-01	6/30/2010	Co-57	4.00E-05	9.90E-05	3.70E-04	
AP	1	L16703-01	6/30/2010	Co-58	3.00E-05	2.70E-04	1.40E-03	
AP	1	L16703-01	6/30/2010	Co-60	0.00E+00	0.00E+00	4.20E-04	

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m^3)	STD.DEV. (pCi/m^3)	MDC (pCi/m^3)	
AP	1	L16703-01	6/30/2010	Cr-51	-4.20E-03	9.80E-03	4.00E-02	
AP	1	L16703-01	6/30/2010	Cs-134	2.00E-05	1.90E-04	9.90E-04	
AP	1	L16703-01	6/30/2010	Cs-137	-3.50E-04	2.90E-04	1.40E-03	
AP	1	L16703-01	6/30/2010	Fe-59	0.00E+00	1.50E-03	6.80E-03	
AP	1	L16703-01	6/30/2010	I-131	-3.30E-02	3.10E-02	1.40E-01	
AP	1	L16703-01	6/30/2010	K-40	-5.00E-04	3.80E-03	1.70E-02	
AP	1	L16703-01	6/30/2010	La-140	1.31E-02	9.30E-03	1.80E-02	
AP	1	L16703-01	6/30/2010	Mn-54	-7.00E-05	2.30E-04	1.10E-03	
AP	1	L16703-01	6/30/2010	Nb-95	-1.50E-03	1.30E-03	6.00E-03	
AP	1	L16703-01	6/30/2010	Ru-103	-7.20E-04	7.20E-04	3.40E-03	
AP	1	L16703-01	6/30/2010	Ru-106	3.00E-04	2.70E-03	1.10E-02	
AP	1	L16703-01	6/30/2010	Sb-124	0.00E+00	0.00E+00	2.70E-03	
AP	1	L16703-01	6/30/2010	Sb-125	5.20E-04	6.70E-04	2.40E-03	
AP	1	L16703-01	6/30/2010	Se-75	6.40E-04	4.10E-04	1.30E-03	
AP	1	L16703-01	6/30/2010	Zn-65	-6.30E-04	6.30E-04	3.40E-03	
AP	1	L16703-01	6/30/2010	Zr-95	4.60E-04	7.80E-04	3.20E-03	
AP	1	L16712-01	7/14/2010	Gross Beta	1.47E-02	1.40E-03	3.40E-03	*
AP	1	L16724-01	7/28/2010	Gross Beta	2.22E-02	1.50E-03	2.80E-03	*
AP	1	L16739-01	8/11/2010	Gross Beta	2.20E-02	1.50E-03	2.80E-03	*
AP	1	L16752-01	8/25/2010	Gross Beta	1.53E-02	1.30E-03	2.90E-03	*
AP	1	L16767-01	9/8/2010	Gross Beta	3.09E-02	1.70E-03	3.00E-03	*
AP	1	L16774-01	9/22/2010	Gross Beta	1.38E-02	1.30E-03	3.00E-03	*
AP	1	L16783-01	10/6/2010	Gross Beta	1.65E-02	1.30E-03	2.80E-03	*
AP	1	L16784-01	10/6/2010	AcTh-228	1.80E-04	8.10E-04	3.20E-03	
AP	1	L16784-01	10/6/2010	Ag-108m	-1.50E-04	2.00E-04	7.90E-04	
AP	1	L16784-01	10/6/2010	Ag-110m	-2.00E-04	3.50E-04	1.50E-03	
AP	1	L16784-01	10/6/2010	Ba-140	-6.00E-03	2.30E-03	1.30E-02	
AP	1	L16784-01	10/6/2010	Be-7	1.11E-01	9.40E-03	1.40E-02	*
AP	1	L16784-01	10/6/2010	Ce-141	-3.40E-04	5.30E-04	2.10E-03	
AP	1	L16784-01	10/6/2010	Ce-144	6.00E-04	1.00E-03	3.70E-03	
AP	1	L16784-01	10/6/2010	Co-57	2.00E-05	1.20E-04	4.50E-04	
AP	1	L16784-01	10/6/2010	Co-58	0.00E+00	2.70E-04	1.20E-03	
AP	1	L16784-01	10/6/2010	Co-60	2.50E-04	2.50E-04	9.10E-04	
AP	1	L16784-01	10/6/2010	Cr-51	9.00E-03	4.80E-03	1.50E-02	
AP	1	L16784-01	10/6/2010	Cs-134	1.00E-05	1.90E-04	9.80E-04	
AP	1	L16784-01	10/6/2010	Cs-137	-2.00E-05	2.20E-04	8.80E-04	
AP	1	L16784-01	10/6/2010	Fe-59	-1.40E-03	1.00E-03	4.70E-03	
AP	1	L16784-01	10/6/2010	I-131	1.10E-03	2.70E-03	1.00E-02	
AP	1	L16784-01	10/6/2010	K-40	-2.60E-03	2.50E-03	1.20E-02	
AP	1	L16784-01	10/6/2010	La-140	-6.00E-03	2.30E-03	1.30E-02	
AP	1	L16784-01	10/6/2010	Mn-54	0.00E+00	2.10E-04	8.70E-04	
AP	1	L16784-01	10/6/2010	Nb-95	1.10E-04	5.40E-04	2.10E-03	
AP	1	L16784-01	10/6/2010	Ru-103	-3.30E-04	4.10E-04	1.70E-03	
AP	1	L16784-01	10/6/2010	Ru-106	1.00E-03	2.00E-03	7.50E-03	
AP	1	L16784-01	10/6/2010	Sb-124	-8.20E-04	5.80E-04	3.80E-03	
AP	1	L16784-01	10/6/2010	Sb-125	8.00E-05	5.20E-04	2.00E-03	
AP	1	L16784-01	10/6/2010	Se-75	-5.00E-05	3.20E-04	1.20E-03	
AP	1	L16784-01	10/6/2010	Zn-65	-1.10E-04	5.90E-04	2.50E-03	
AP	1	L16784-01	10/6/2010	Zr-95	6.80E-04	8.00E-04	2.80E-03	
AP	1	265443001	10/20/2010	Gross Beta	1.73E-02	9.69E-04	7.21E-04	*

*** Indicated radioactivity concentration > 3 X standard deviation**
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SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m^3)	STD.DEV. (pCi/m^3)	MDC (pCi/m^3)	
AP	1	266545001	11/3/2010	Gross Beta	2.53E-02	1.16E-03	7.15E-04	*
AP	1	267464001	11/16/2010	Gross Beta	1.93E-02	1.05E-03	7.50E-04	*
AP	1	268096001	12/1/2010	Gross Beta	2.54E-02	1.11E-03	6.44E-04	*
AP	1	268957001	12/15/2010	Gross Beta	2.23E-02	1.10E-03	6.73E-04	*
AP	1	269461001	12/29/2010	Gross Beta	1.66E-02	9.24E-04	6.25E-04	*
AP	1	271459001	12/29/2010	Ac-228	1.12E-04	4.96E-04	1.70E-03	
AP	1	271459001	12/29/2010	Ag-108m	-6.11E-05	1.07E-04	3.39E-04	
AP	1	271459001	12/29/2010	Ag-110m	1.08E-04	1.44E-04	5.00E-04	
AP	1	271459001	12/29/2010	Am-241	-3.18E-05	4.29E-04	1.34E-03	
AP	1	271459001	12/29/2010	Ba-140	5.26E-03	1.74E-02	6.05E-02	
AP	1	271459001	12/29/2010	Be-7	8.29E-02	8.28E-03	1.02E-02	*
AP	1	271459001	12/29/2010	Ce-141	-1.51E-04	6.86E-04	2.25E-03	
AP	1	271459001	12/29/2010	Ce-144	4.54E-04	6.55E-04	2.25E-03	
AP	1	271459001	12/29/2010	Co-57	-5.01E-05	7.45E-05	2.36E-04	
AP	1	271459001	12/29/2010	Co-58	6.59E-05	2.48E-04	8.62E-04	
AP	1	271459001	12/29/2010	Co-60	1.62E-05	1.95E-04	6.38E-04	
AP	1	271459001	12/29/2010	Cr-51	4.51E-03	6.46E-03	2.15E-02	
AP	1	271459001	12/29/2010	Cs-134	1.18E-04	1.73E-04	6.18E-04	
AP	1	271459001	12/29/2010	Cs-137	-1.14E-04	1.27E-04	3.54E-04	
AP	1	271459001	12/29/2010	Fe-59	-5.48E-04	8.59E-04	2.49E-03	
AP	1	271459001	12/29/2010	I-131	-7.47E-02	1.41E-01	0.00E+00	
AP	1	271459001	12/29/2010	La-140	5.26E-03	1.74E-02	6.05E-02	
AP	1	271459001	12/29/2010	Mn-54	1.09E-04	1.49E-04	5.36E-04	
AP	1	271459001	12/29/2010	Nb-95	-1.68E-05	3.38E-04	1.08E-03	
AP	1	271459001	12/29/2010	Ru-103	2.55E-05	4.45E-04	1.48E-03	
AP	1	271459001	12/29/2010	Ru-106	-3.95E-04	1.16E-03	3.59E-03	
AP	1	271459001	12/29/2010	Sb-124	2.72E-04	9.80E-04	3.39E-03	
AP	1	271459001	12/29/2010	Sb-125	-2.34E-04	2.99E-04	9.05E-04	
AP	1	271459001	12/29/2010	Se-75	-2.79E-05	2.38E-04	7.57E-04	
AP	1	271459001	12/29/2010	Th-228	3.73E-04	2.78E-04	7.72E-04	
AP	1	271459001	12/29/2010	Zn-65	-4.28E-04	4.68E-04	1.33E-03	
AP	1	271459001	12/29/2010	Zr-95	6.97E-05	4.45E-04	1.46E-03	
AP	2	L16086-02	1/13/2010	Gross Beta	1.26E-02	1.30E-03	3.20E-03	*
AP	2	L16136-02	1/27/2010	Gross Beta	2.36E-02	1.50E-03	2.80E-03	*
AP	2	L16186-02	2/10/2010	Gross Beta	2.15E-02	1.40E-03	2.90E-03	*
AP	2	L16222-02	2/23/2010	Gross Beta	1.03E-02	1.30E-03	3.30E-03	*
AP	2	L16280-02	3/10/2010	Gross Beta	9.02E-03	7.20E-04	1.80E-03	*
AP	2	L16326-02	3/23/2010	Gross Beta	1.81E-02	1.50E-03	3.30E-03	*
AP	2	L16412-02	3/23/2010	AcTh-228	9.00E-04	1.10E-03	4.20E-03	
AP	2	L16412-02	3/23/2010	Ag-108m	1.70E-04	2.20E-04	8.20E-04	
AP	2	L16412-02	3/23/2010	Ag-110m	0.00E+00	3.60E-04	1.70E-03	
AP	2	L16412-02	3/23/2010	Ba-140	1.00E-02	7.10E-03	1.40E-02	
AP	2	L16412-02	3/23/2010	Be-7	8.60E-02	1.20E-02	2.50E-02	*
AP	2	L16412-02	3/23/2010	Ce-141	-1.00E-03	1.00E-03	4.00E-03	
AP	2	L16412-02	3/23/2010	Ce-144	-9.40E-04	9.00E-04	3.80E-03	
AP	2	L16412-02	3/23/2010	Co-57	1.10E-04	1.20E-04	4.40E-04	
AP	2	L16412-02	3/23/2010	Co-58	-1.20E-04	4.00E-04	2.00E-03	
AP	2	L16412-02	3/23/2010	Co-60	-4.20E-04	4.10E-04	2.10E-03	
AP	2	L16412-02	3/23/2010	Cr-51	-1.44E-02	8.70E-03	3.90E-02	
AP	2	L16412-02	3/23/2010	Cs-134	-2.60E-04	2.00E-04	1.30E-03	

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UI Uncertain identification for gamma spectroscopy (rejected determination)

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m^3)	STD.DEV. (pCi/m^3)	MDC (pCi/m^3)	
AP	2	L16412-02	3/23/2010	Cs-137	-3.80E-04	3.10E-04	1.50E-03	
AP	2	L16412-02	3/23/2010	Fe-59	1.36E-03	9.60E-04	1.80E-03	
AP	2	L16412-02	3/23/2010	I-131	1.10E-02	2.20E-02	8.40E-02	
AP	2	L16412-02	3/23/2010	K-40	-1.20E-03	3.40E-03	1.70E-02	
AP	2	L16412-02	3/23/2010	La-140	1.00E-02	7.10E-03	1.40E-02	
AP	2	L16412-02	3/23/2010	Mn-54	7.70E-04	4.30E-04	1.30E-03	
AP	2	L16412-02	3/23/2010	Nb-95	-1.70E-04	8.60E-04	3.90E-03	
AP	2	L16412-02	3/23/2010	Ru-103	2.20E-04	4.90E-04	2.00E-03	
AP	2	L16412-02	3/23/2010	Ru-106	-3.50E-03	2.90E-03	1.40E-02	
AP	2	L16412-02	3/23/2010	Sb-124	-1.90E-03	1.90E-03	1.00E-02	
AP	2	L16412-02	3/23/2010	Sb-125	5.50E-04	6.60E-04	2.40E-03	
AP	2	L16412-02	3/23/2010	Se-75	-1.01E-03	4.10E-04	1.90E-03	
AP	2	L16412-02	3/23/2010	Zn-65	6.50E-04	9.30E-04	3.50E-03	
AP	2	L16412-02	3/23/2010	Zr-95	-1.18E-03	7.70E-04	4.20E-03	
AP	2	L16375-02	4/7/2010	Gross Beta	1.50E-02	1.30E-03	2.90E-03	*
AP	2	L16437-02	4/21/2010	Gross Beta	1.91E-02	1.50E-03	3.20E-03	*
AP	2	L16494-02	5/5/2010	Gross Beta	2.13E-02	1.50E-03	3.00E-03	*
AP	2	L16537-02	5/19/2010	Gross Beta	1.51E-02	1.40E-03	3.30E-03	*
AP	2	L16583-02	6/1/2010	Gross Beta	1.79E-02	1.50E-03	3.00E-03	*
AP	2	L16641-02	6/16/2010	Gross Beta	1.49E-02	1.30E-03	2.90E-03	*
AP	2	L16677-02	6/30/2010	Gross Beta	2.16E-02	1.50E-03	3.00E-03	*
AP	2	L16703-02	6/30/2010	AcTh-228	5.40E-04	8.60E-04	3.20E-03	
AP	2	L16703-02	6/30/2010	Ag-108m	-5.50E-04	2.00E-04	9.40E-04	
AP	2	L16703-02	6/30/2010	Ag-110m	-3.60E-04	3.60E-04	1.70E-03	
AP	2	L16703-02	6/30/2010	Ba-140	-4.20E-03	4.20E-03	3.10E-02	
AP	2	L16703-02	6/30/2010	Be-7	1.40E-01	1.50E-02	2.90E-02	*
AP	2	L16703-02	6/30/2010	Ce-141	-1.90E-03	1.10E-03	4.40E-03	
AP	2	L16703-02	6/30/2010	Ce-144	2.00E-04	1.10E-03	4.00E-03	
AP	2	L16703-02	6/30/2010	Co-57	2.40E-04	1.40E-04	4.40E-04	
AP	2	L16703-02	6/30/2010	Co-58	-2.80E-04	2.80E-04	1.50E-03	
AP	2	L16703-02	6/30/2010	Co-60	2.70E-04	3.20E-04	1.20E-03	
AP	2	L16703-02	6/30/2010	Cr-51	-9.10E-03	8.70E-03	3.60E-02	
AP	2	L16703-02	6/30/2010	Cs-134	1.10E-04	2.00E-04	9.60E-04	
AP	2	L16703-02	6/30/2010	Cs-137	-1.90E-04	2.50E-04	1.10E-03	
AP	2	L16703-02	6/30/2010	Fe-59	-2.00E-04	1.30E-03	5.70E-03	
AP	2	L16703-02	6/30/2010	I-131	-1.30E-02	2.70E-02	1.10E-01	
AP	2	L16703-02	6/30/2010	K-40	3.60E-03	3.50E-03	1.20E-02	
AP	2	L16703-02	6/30/2010	La-140	-4.20E-03	4.20E-03	3.10E-02	
AP	2	L16703-02	6/30/2010	Mn-54	2.40E-04	3.10E-04	1.10E-03	
AP	2	L16703-02	6/30/2010	Nb-95	-1.12E-03	9.90E-04	4.50E-03	
AP	2	L16703-02	6/30/2010	Ru-103	-5.70E-04	6.80E-04	3.00E-03	
AP	2	L16703-02	6/30/2010	Ru-106	-1.10E-03	2.20E-03	9.30E-03	
AP	2	L16703-02	6/30/2010	Sb-124	6.00E-04	1.70E-03	6.80E-03	
AP	2	L16703-02	6/30/2010	Sb-125	7.00E-05	6.30E-04	2.40E-03	
AP	2	L16703-02	6/30/2010	Se-75	1.90E-04	4.10E-04	1.50E-03	
AP	2	L16703-02	6/30/2010	Zn-65	5.60E-04	6.70E-04	2.50E-03	
AP	2	L16703-02	6/30/2010	Zr-95	-5.00E-04	1.10E-03	4.50E-03	
AP	2	L16712-02	7/14/2010	Gross Beta	1.83E-02	1.50E-03	3.40E-03	*
AP	2	L16724-02	7/28/2010	Gross Beta	2.40E-02	1.50E-03	2.60E-03	*

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m^3)	STD.DEV. (pCi/m^3)	MDC (pCi/m^3)	
AP	2	L16739-02	8/11/2010	Gross Beta	2.27E-02	1.50E-03	2.90E-03	*
AP	2	L16752-02	8/25/2010	Gross Beta	1.77E-02	1.40E-03	2.90E-03	*
AP	2	L16767-02	9/8/2010	Gross Beta	3.58E-02	1.80E-03	3.00E-03	*
AP	2	L16774-02	9/22/2010	Gross Beta	1.41E-02	1.30E-03	3.10E-03	*
AP	2	L16783-02	10/6/2010	Gross Beta	1.71E-02	1.40E-03	2.90E-03	*
AP	2	L16784-02	10/6/2010	AcTh-228	1.31E-03	9.10E-04	3.00E-03	
AP	2	L16784-02	10/6/2010	Ag-108m	1.60E-04	1.80E-04	6.40E-04	
AP	2	L16784-02	10/6/2010	Ag-110m	-5.90E-04	4.20E-04	2.10E-03	
AP	2	L16784-02	10/6/2010	Ba-140	-1.70E-03	2.60E-03	1.40E-02	
AP	2	L16784-02	10/6/2010	Be-7	1.28E-01	1.10E-02	1.10E-02	*
AP	2	L16784-02	10/6/2010	Ce-141	3.50E-04	5.00E-04	1.80E-03	
AP	2	L16784-02	10/6/2010	Ce-144	-1.50E-03	1.00E-03	4.10E-03	
AP	2	L16784-02	10/6/2010	Co-57	5.40E-05	9.30E-05	3.40E-04	
AP	2	L16784-02	10/6/2010	Co-58	4.00E-05	2.60E-04	1.20E-03	
AP	2	L16784-02	10/6/2010	Co-60	2.90E-04	2.00E-04	3.90E-04	
AP	2	L16784-02	10/6/2010	Cr-51	-5.80E-03	4.40E-03	1.90E-02	
AP	2	L16784-02	10/6/2010	Cs-134	1.10E-04	1.70E-04	8.80E-04	
AP	2	L16784-02	10/6/2010	Cs-137	1.30E-04	2.10E-04	8.10E-04	
AP	2	L16784-02	10/6/2010	Fe-59	2.10E-03	1.20E-03	3.40E-03	
AP	2	L16784-02	10/6/2010	I-131	-5.00E-04	2.40E-03	1.00E-02	
AP	2	L16784-02	10/6/2010	K-40	1.07E-02	5.40E-03	1.60E-02	
AP	2	L16784-02	10/6/2010	La-140	-1.70E-03	2.60E-03	1.40E-02	
AP	2	L16784-02	10/6/2010	Mn-54	-2.20E-04	2.70E-04	1.30E-03	
AP	2	L16784-02	10/6/2010	Nb-95	-1.08E-03	4.40E-04	2.70E-03	
AP	2	L16784-02	10/6/2010	Ru-103	-5.40E-04	3.80E-04	1.90E-03	
AP	2	L16784-02	10/6/2010	Ru-106	1.00E-03	2.40E-03	9.50E-03	
AP	2	L16784-02	10/6/2010	Sb-124	-1.20E-03	1.20E-03	6.80E-03	
AP	2	L16784-02	10/6/2010	Sb-125	-1.50E-04	5.10E-04	2.20E-03	
AP	2	L16784-02	10/6/2010	Se-75	-3.00E-05	2.90E-04	1.10E-03	
AP	2	L16784-02	10/6/2010	Zn-65	5.00E-05	7.50E-04	3.20E-03	
AP	2	L16784-02	10/6/2010	Zr-95	-9.60E-04	8.10E-04	3.80E-03	
AP	2	265443002	10/20/2010	Gross Beta	1.66E-02	9.44E-04	4.65E-04	*
AP	2	266545002	11/3/2010	Gross Beta	3.19E-02	1.31E-03	5.62E-04	*
AP	2	267464002	11/16/2010	Gross Beta	2.39E-02	1.17E-03	6.78E-04	*
AP	2	268096002	12/1/2010	Gross Beta	2.58E-02	1.15E-03	6.00E-04	*
AP	2	268957002	12/15/2010	Gross Beta	2.00E-02	1.04E-03	5.77E-04	*
AP	2	269461002	12/29/2010	Gross Beta	1.94E-02	1.02E-03	6.01E-04	*
AP	2	271459002	12/29/2010	Ac-228	1.59E-04	7.09E-04	2.49E-03	
AP	2	271459002	12/29/2010	Ag-108m	-9.52E-05	1.21E-04	3.56E-04	
AP	2	271459002	12/29/2010	Ag-110m	1.51E-04	1.61E-04	5.73E-04	
AP	2	271459002	12/29/2010	Ba-140	-1.30E-02	1.28E-02	3.01E-02	
AP	2	271459002	12/29/2010	Be-7	8.48E-02	8.29E-03	7.79E-03	*
AP	2	271459002	12/29/2010	Ce-141	1.24E-04	8.03E-04	2.60E-03	
AP	2	271459002	12/29/2010	Ce-144	3.72E-04	7.01E-04	2.31E-03	
AP	2	271459002	12/29/2010	Co-57	5.26E-05	9.37E-05	3.11E-04	
AP	2	271459002	12/29/2010	Co-58	-1.45E-04	3.17E-04	9.74E-04	
AP	2	271459002	12/29/2010	Co-60	3.31E-04	2.10E-04	7.87E-04	
AP	2	271459002	12/29/2010	Cr-51	1.04E-03	6.78E-03	2.26E-02	
AP	2	271459002	12/29/2010	Cs-134	2.58E-04	1.93E-04	6.98E-04	
AP	2	271459002	12/29/2010	Cs-137	-3.17E-04	1.75E-04	4.08E-04	

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m^3)	STD.DEV. (pCi/m^3)	MDC (pCi/m^3)	
AP	2	271459002	12/29/2010	Fe-59	2.81E-04	9.64E-04	3.34E-03	
AP	2	271459002	12/29/2010	I-131	-3.32E-02	1.12E-01	0.00E+00	
AP	2	271459002	12/29/2010	La-140	-1.30E-02	1.28E-02	3.01E-02	
AP	2	271459002	12/29/2010	Mn-54	-5.44E-04	2.55E-04	5.21E-04	
AP	2	271459002	12/29/2010	Nb-95	5.18E-04	4.20E-04	1.47E-03	
AP	2	271459002	12/29/2010	Ru-103	-7.40E-04	5.46E-04	1.40E-03	
AP	2	271459002	12/29/2010	Ru-106	3.47E-03	1.59E-03	5.61E-03	
AP	2	271459002	12/29/2010	Sb-124	3.65E-05	9.48E-04	3.20E-03	
AP	2	271459002	12/29/2010	Sb-125	6.41E-05	4.37E-04	1.43E-03	
AP	2	271459002	12/29/2010	Se-75	-3.93E-04	2.40E-04	6.45E-04	
AP	2	271459002	12/29/2010	Th-228	-1.88E-04	2.52E-04	8.64E-04	
AP	2	271459002	12/29/2010	Zn-65	-7.97E-04	5.09E-04	1.24E-03	
AP	2	271459002	12/29/2010	Zr-95	1.33E-04	6.48E-04	2.18E-03	
AP	3	L16086-03	1/13/2010	Gross Beta	1.23E-02	1.40E-03	3.50E-03	*
AP	3	L16136-03	1/27/2010	Gross Beta	2.48E-02	1.60E-03	3.00E-03	*
AP	3	L16186-03	2/10/2010	Gross Beta	2.09E-02	1.50E-03	3.10E-03	*
AP	3	L16222-03	2/23/2010	Gross Beta	7.90E-03	1.30E-03	3.50E-03	*
AP	3	L16280-03	3/10/2010	Gross Beta	1.44E-02	8.40E-04	2.00E-03	*
AP	3	L16326-03	3/24/2010	Gross Beta	1.73E-02	1.50E-03	3.30E-03	*
AP	3	L16412-03	3/23/2010	AcTh-228	-7.70E-04	9.90E-04	4.40E-03	
AP	3	L16412-03	3/23/2010	Ag-108m	1.00E-05	1.60E-04	6.50E-04	
AP	3	L16412-03	3/23/2010	Ag-110m	-7.70E-04	4.80E-04	2.20E-03	
AP	3	L16412-03	3/23/2010	Ba-140	2.70E-03	7.80E-03	3.30E-02	
AP	3	L16412-03	3/23/2010	Be-7	1.25E-01	1.30E-02	2.10E-02	*
AP	3	L16412-03	3/23/2010	Ce-141	-2.80E-04	8.90E-04	3.40E-03	
AP	3	L16412-03	3/23/2010	Ce-144	-7.00E-04	1.20E-03	4.60E-03	
AP	3	L16412-03	3/23/2010	Co-57	-7.00E-05	1.50E-04	5.70E-04	
AP	3	L16412-03	3/23/2010	Co-58	1.40E-04	5.10E-04	2.00E-03	
AP	3	L16412-03	3/23/2010	Co-60	1.10E-04	3.00E-04	1.20E-03	
AP	3	L16412-03	3/23/2010	Cr-51	3.00E-03	1.00E-02	3.70E-02	
AP	3	L16412-03	3/23/2010	Cs-134	-1.20E-04	1.90E-04	1.00E-03	
AP	3	L16412-03	3/23/2010	Cs-137	7.00E-05	2.60E-04	1.00E-03	
AP	3	L16412-03	3/23/2010	Fe-59	1.70E-03	1.70E-03	5.90E-03	
AP	3	L16412-03	3/23/2010	I-131	4.00E-03	2.40E-02	9.00E-02	
AP	3	L16412-03	3/23/2010	K-40	1.10E-03	4.40E-03	1.70E-02	
AP	3	L16412-03	3/23/2010	La-140	2.70E-03	7.80E-03	3.30E-02	
AP	3	L16412-03	3/23/2010	Mn-54	3.40E-04	3.20E-04	1.10E-03	
AP	3	L16412-03	3/23/2010	Nb-95	2.00E-04	1.10E-03	4.40E-03	
AP	3	L16412-03	3/23/2010	Ru-103	-1.40E-04	5.80E-04	2.40E-03	
AP	3	L16412-03	3/23/2010	Ru-106	-5.00E-04	2.60E-03	1.00E-02	
AP	3	L16412-03	3/23/2010	Sb-124	-1.10E-03	1.20E-03	6.40E-03	
AP	3	L16412-03	3/23/2010	Sb-125	-1.90E-04	6.20E-04	2.50E-03	
AP	3	L16412-03	3/23/2010	Se-75	-6.60E-04	3.40E-04	1.50E-03	
AP	3	L16412-03	3/23/2010	Zn-65	-9.80E-04	6.30E-04	3.20E-03	
AP	3	L16412-03	3/23/2010	Zr-95	1.28E-03	9.90E-04	3.40E-03	
AP	3	L16375-03	4/7/2010	Gross Beta	1.45E-02	1.40E-03	3.30E-03	*
AP	3	L16437-03	4/21/2010	Gross Beta	1.87E-02	1.50E-03	3.40E-03	*
AP	3	L16494-03	5/5/2010	Gross Beta	1.97E-02	1.50E-03	3.20E-03	*
AP	3	L16537-03	5/19/2010	Gross Beta	1.64E-02	1.40E-03	3.20E-03	*

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m^3)	STD.DEV. (pCi/m^3)	MDC (pCi/m^3)	
AP	3	L16583-03	6/1/2010	Gross Beta	1.85E-02	1.50E-03	3.10E-03	*
AP	3	L16641-03	6/16/2010	Gross Beta	1.00E-02	1.20E-03	3.00E-03	*
AP	3	L16663-03	6/23/2010	Gross Beta	1.98E-02	2.40E-03	5.80E-03	*
AP	3	L16677-03	6/30/2010	Gross Beta	2.06E-02	2.60E-03	6.50E-03	*
AP	3	L16703-03	6/30/2010	AcTh-228	3.10E-03	1.50E-03	4.40E-03	
AP	3	L16703-03	6/30/2010	Ag-108m	-4.00E-05	2.00E-04	9.10E-04	
AP	3	L16703-03	6/30/2010	Ag-110m	4.40E-04	5.40E-04	2.00E-03	
AP	3	L16703-03	6/30/2010	Ba-140	-1.30E-02	7.50E-03	4.50E-02	
AP	3	L16703-03	6/30/2010	Be-7	1.35E-01	1.70E-02	2.80E-02	*
AP	3	L16703-03	6/30/2010	Ce-141	1.00E-04	1.10E-03	4.10E-03	
AP	3	L16703-03	6/30/2010	Ce-144	-1.30E-03	1.50E-03	6.10E-03	
AP	3	L16703-03	6/30/2010	Co-57	1.00E-05	1.80E-04	7.10E-04	
AP	3	L16703-03	6/30/2010	Co-58	-9.30E-04	4.70E-04	2.80E-03	
AP	3	L16703-03	6/30/2010	Co-60	1.90E-04	3.40E-04	1.40E-03	
AP	3	L16703-03	6/30/2010	Cr-51	1.00E-02	1.10E-02	3.90E-02	
AP	3	L16703-03	6/30/2010	Cs-134	-1.30E-04	2.80E-04	1.50E-03	
AP	3	L16703-03	6/30/2010	Cs-137	2.40E-04	2.80E-04	1.10E-03	
AP	3	L16703-03	6/30/2010	Fe-59	1.50E-03	1.10E-03	2.10E-03	
AP	3	L16703-03	6/30/2010	I-131	-8.00E-03	1.30E-02	5.80E-02	
AP	3	L16703-03	6/30/2010	K-40	6.20E-03	6.20E-03	2.20E-02	
AP	3	L16703-03	6/30/2010	La-140	-1.30E-02	7.50E-03	4.50E-02	
AP	3	L16703-03	6/30/2010	Mn-54	-1.50E-04	3.20E-04	1.60E-03	
AP	3	L16703-03	6/30/2010	Nb-95	-1.00E-03	1.10E-03	5.30E-03	
AP	3	L16703-03	6/30/2010	Ru-103	1.03E-03	6.70E-04	2.10E-03	
AP	3	L16703-03	6/30/2010	Ru-106	-7.00E-04	2.30E-03	1.10E-02	
AP	3	L16703-03	6/30/2010	Sb-124	0.00E+00	0.00E+00	2.80E-03	
AP	3	L16703-03	6/30/2010	Sb-125	-4.10E-04	7.10E-04	3.20E-03	
AP	3	L16703-03	6/30/2010	Se-75	4.40E-04	5.70E-04	2.00E-03	
AP	3	L16703-03	6/30/2010	Zn-65	8.50E-04	9.20E-04	3.40E-03	
AP	3	L16703-03	6/30/2010	Zr-95	8.00E-04	1.20E-03	4.50E-03	
AP	3	L16694-03	7/7/2010	Gross Beta	2.22E-02	2.50E-03	6.20E-03	*
AP	3	L16712-03	7/14/2010	Gross Beta	1.64E-02	2.60E-03	7.20E-03	*
AP	3	L16719-03	7/21/2010	Gross Beta	2.21E-02	2.50E-03	5.90E-03	*
AP	3	L16724-03	7/28/2010	Gross Beta	2.84E-02	2.60E-03	5.50E-03	*
AP	3	L16738-03	8/4/2010	Gross Beta	1.78E-02	1.70E-03	4.10E-03	*
AP	3	L16739-03	8/11/2010	Gross Beta	2.92E-02	2.70E-03	6.00E-03	*
AP	3	L16749-03	8/18/2010	Gross Beta	2.03E-02	2.50E-03	6.00E-03	*
AP	3	L16752-03	8/25/2010	Gross Beta	2.44E-02	2.60E-03	6.10E-03	*
AP	3	L16761-03	9/1/2010	Gross Beta	3.48E-02	3.00E-03	6.60E-03	*
AP	3	L16767-03	9/8/2010	Gross Beta	3.62E-02	3.00E-03	6.50E-03	*
AP	3	L16771-03	9/15/2010	Gross Beta	1.25E-02	2.30E-03	6.40E-03	*
AP	3	L16774-03	9/22/2010	Gross Beta	1.94E-02	2.50E-03	6.40E-03	*
AP	3	L16781-03	9/29/2010	Gross Beta	2.60E-02	2.60E-03	5.90E-03	*
AP	3	L16783-03	10/7/2010	Gross Beta	1.09E-02	2.00E-03	5.50E-03	*
AP	3	L16784-03	10/7/2010	AcTh-228	1.10E-03	1.10E-03	3.90E-03	
AP	3	L16784-03	10/7/2010	Ag-108m	-3.10E-04	2.00E-04	9.10E-04	
AP	3	L16784-03	10/7/2010	Ag-110m	-1.50E-04	4.60E-04	2.00E-03	
AP	3	L16784-03	10/7/2010	Ba-140	2.80E-03	2.00E-03	3.70E-03	
AP	3	L16784-03	10/7/2010	Be-7	9.90E-02	1.00E-02	1.30E-02	*
AP	3	L16784-03	10/7/2010	Ce-141	4.50E-04	6.70E-04	2.40E-03	

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m^3)	STD.DEV. (pCi/m^3)	MDC (pCi/m^3)	
AP	3	L16784-03	10/7/2010	Ce-144	3.50E-04	8.20E-04	3.00E-03	
AP	3	L16784-03	10/7/2010	Co-57	3.60E-05	8.90E-05	3.30E-04	
AP	3	L16784-03	10/7/2010	Co-58	5.70E-04	5.80E-04	2.00E-03	
AP	3	L16784-03	10/7/2010	Co-60	-1.20E-04	2.40E-04	1.30E-03	
AP	3	L16784-03	10/7/2010	Cr-51	-6.00E-04	4.00E-03	1.70E-02	
AP	3	L16784-03	10/7/2010	Cs-134	8.00E-05	1.80E-04	7.10E-04	
AP	3	L16784-03	10/7/2010	Cs-137	4.40E-04	3.60E-04	1.20E-03	
AP	3	L16784-03	10/7/2010	Fe-59	5.00E-04	1.40E-03	5.50E-03	
AP	3	L16784-03	10/7/2010	I-131	1.40E-03	3.30E-03	1.20E-02	
AP	3	L16784-03	10/7/2010	K-40	-3.90E-03	3.70E-03	1.90E-02	
AP	3	L16784-03	10/7/2010	La-140	2.80E-03	2.00E-03	3.70E-03	
AP	3	L16784-03	10/7/2010	Mn-54	1.70E-04	3.20E-04	1.20E-03	
AP	3	L16784-03	10/7/2010	Nb-95	8.00E-05	4.90E-04	2.10E-03	
AP	3	L16784-03	10/7/2010	Ru-103	-1.40E-04	4.30E-04	1.90E-03	
AP	3	L16784-03	10/7/2010	Ru-106	-4.80E-03	2.80E-03	1.30E-02	
AP	3	L16784-03	10/7/2010	Sb-124	0.00E+00	0.00E+00	1.90E-03	
AP	3	L16784-03	10/7/2010	Sb-125	-1.31E-03	6.90E-04	3.20E-03	
AP	3	L16784-03	10/7/2010	Se-75	5.00E-05	2.70E-04	1.10E-03	
AP	3	L16784-03	10/7/2010	Zn-65	-5.60E-04	6.90E-04	3.40E-03	
AP	3	L16784-03	10/7/2010	Zr-95	1.00E-04	6.00E-04	2.60E-03	
AP	3	265443003	10/20/2010	Gross Beta	1.96E-02	1.12E-03	7.81E-04	*
AP	3	266545003	11/3/2010	Gross Beta	2.45E-02	1.18E-03	4.89E-04	*
AP	3	267464003	11/16/2010	Gross Beta	2.47E-02	1.23E-03	5.92E-04	*
AP	3	268096003	12/1/2010	Gross Beta	3.04E-02	1.29E-03	5.61E-04	*
AP	3	268957003	12/15/2010	Gross Beta	2.41E-02	1.20E-03	6.36E-04	*
AP	3	269461003	12/29/2010	Gross Beta	1.73E-02	1.01E-03	6.61E-04	*
AP	3	271459003	12/29/2010	Ac-228	-4.51E-04	6.14E-04	2.02E-03	
AP	3	271459003	12/29/2010	Ag-108m	1.38E-04	1.43E-04	4.88E-04	
AP	3	271459003	12/29/2010	Ag-110m	-2.07E-05	1.80E-04	5.89E-04	
AP	3	271459003	12/29/2010	Ba-140	2.23E-03	1.83E-02	6.04E-02	
AP	3	271459003	12/29/2010	Be-7	7.86E-02	9.96E-03	1.25E-02	*
AP	3	271459003	12/29/2010	Ce-141	1.24E-03	9.45E-04	3.12E-03	
AP	3	271459003	12/29/2010	Ce-144	3.20E-04	8.66E-04	2.83E-03	
AP	3	271459003	12/29/2010	Co-57	-8.07E-05	1.04E-04	3.12E-04	
AP	3	271459003	12/29/2010	Co-58	8.78E-04	4.56E-04	1.59E-03	
AP	3	271459003	12/29/2010	Co-60	5.80E-05	2.45E-04	8.29E-04	
AP	3	271459003	12/29/2010	Cr-51	1.84E-02	1.03E-02	3.44E-02	
AP	3	271459003	12/29/2010	Cs-134	1.95E-04	1.97E-04	7.07E-04	
AP	3	271459003	12/29/2010	Cs-137	1.43E-04	1.82E-04	6.37E-04	
AP	3	271459003	12/29/2010	Fe-59	-8.39E-04	8.03E-04	2.01E-03	
AP	3	271459003	12/29/2010	I-131	1.65E-01	1.44E-01	0.00E+00	
AP	3	271459003	12/29/2010	La-140	2.23E-03	1.83E-02	6.04E-02	
AP	3	271459003	12/29/2010	Mn-54	2.29E-04	2.30E-04	8.03E-04	
AP	3	271459003	12/29/2010	Nb-95	2.25E-04	3.43E-04	1.20E-03	
AP	3	271459003	12/29/2010	Ru-103	7.18E-04	5.47E-04	1.96E-03	
AP	3	271459003	12/29/2010	Ru-106	1.45E-03	1.69E-03	5.97E-03	
AP	3	271459003	12/29/2010	Sb-124	1.44E-03	1.10E-03	4.24E-03	
AP	3	271459003	12/29/2010	Sb-125	4.50E-04	4.54E-04	1.55E-03	
AP	3	271459003	12/29/2010	Se-75	4.56E-04	3.18E-04	1.08E-03	

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m^3)	STD.DEV. (pCi/m^3)	MDC (pCi/m^3)	
AP	3	271459003	12/29/2010	Th-228	1.93E-04	2.70E-04	9.34E-04	
AP	3	271459003	12/29/2010	Zn-65	1.44E-04	4.79E-04	1.65E-03	
AP	3	271459003	12/29/2010	Zr-95	-5.48E-04	6.57E-04	1.89E-03	
AP	4	L16086-04	1/13/2010	Gross Beta	1.23E-02	1.40E-03	3.40E-03	*
AP	4	L16136-04	1/27/2010	Gross Beta	2.45E-02	1.50E-03	2.90E-03	*
AP	4	L16186-04	2/10/2010	Gross Beta	1.69E-02	1.40E-03	2.90E-03	*
AP	4	L16222-04	2/23/2010	Gross Beta	1.07E-02	1.30E-03	3.40E-03	*
AP	4	L16280-04	2/25/2010	Gross Beta	5.00E-03	3.00E-03	9.80E-03	
AP	4	L16412-04	3/23/2010	AcTh-228	8.00E-04	1.20E-03	4.90E-03	
AP	4	L16412-04	3/23/2010	Ag-108m	-3.90E-04	2.40E-04	1.20E-03	
AP	4	L16412-04	3/23/2010	Ag-110m	9.90E-04	7.00E-04	2.30E-03	
AP	4	L16412-04	3/23/2010	Ba-140	2.10E-02	1.20E-02	1.90E-02	
AP	4	L16412-04	3/23/2010	Be-7	7.70E-02	1.30E-02	2.40E-02	*
AP	4	L16412-04	3/23/2010	Ce-141	-2.70E-03	1.30E-03	5.60E-03	
AP	4	L16412-04	3/23/2010	Ce-144	-1.10E-03	1.30E-03	5.50E-03	
AP	4	L16412-04	3/23/2010	Co-57	2.40E-04	1.80E-04	5.90E-04	
AP	4	L16412-04	3/23/2010	Co-58	1.64E-03	7.50E-04	1.90E-03	
AP	4	L16412-04	3/23/2010	Co-60	-6.90E-04	5.20E-04	2.80E-03	
AP	4	L16412-04	3/23/2010	Cr-51	-4.10E-03	9.50E-03	4.10E-02	
AP	4	L16412-04	3/23/2010	Cs-134	-1.80E-04	2.50E-04	1.40E-03	
AP	4	L16412-04	3/23/2010	Cs-137	3.40E-04	3.60E-04	1.30E-03	
AP	4	L16412-04	3/23/2010	Fe-59	-1.30E-03	2.30E-03	1.10E-02	
AP	4	L16412-04	3/23/2010	I-131	-6.70E-02	2.50E-02	1.30E-01	
AP	4	L16412-04	3/23/2010	K-40	4.20E-03	4.70E-03	1.80E-02	
AP	4	L16412-04	3/23/2010	La-140	2.10E-02	1.20E-02	1.90E-02	
AP	4	L16412-04	3/23/2010	Mn-54	2.00E-04	3.50E-04	1.40E-03	
AP	4	L16412-04	3/23/2010	Nb-95	2.00E-04	1.10E-03	4.80E-03	
AP	4	L16412-04	3/23/2010	Ru-103	-3.00E-04	1.00E-03	4.20E-03	
AP	4	L16412-04	3/23/2010	Ru-106	-2.20E-03	3.90E-03	1.70E-02	
AP	4	L16412-04	3/23/2010	Sb-124	0.00E+00	0.00E+00	3.50E-03	
AP	4	L16412-04	3/23/2010	Sb-125	0.00E+00	1.00E-03	4.00E-03	
AP	4	L16412-04	3/23/2010	Se-75	-1.03E-03	4.00E-04	2.00E-03	
AP	4	L16412-04	3/23/2010	Zn-65	8.00E-04	1.20E-03	4.50E-03	
AP	4	L16412-04	3/23/2010	Zr-95	3.50E-03	1.60E-03	4.20E-03	
AP	4	L16326-04	3/24/2010	Gross Beta	8.00E-03	2.60E-03	8.30E-03	*
AP	4	L16375-04	4/7/2010	Gross Beta	1.46E-02	1.30E-03	3.00E-03	*
AP	4	L16437-04	4/21/2010	Gross Beta	1.97E-02	1.50E-03	3.20E-03	*
AP	4	L16494-04	5/5/2010	Gross Beta	1.95E-02	1.50E-03	3.00E-03	*
AP	4	L16537-04	5/19/2010	Gross Beta	1.38E-02	1.40E-03	3.30E-03	*
AP	4	L16583-04	6/1/2010	Gross Beta	1.88E-02	1.50E-03	3.10E-03	*
AP	4	L16641-04	6/16/2010	Gross Beta	1.46E-02	1.30E-03	2.80E-03	*
AP	4	L16677-04	6/30/2010	Gross Beta	1.96E-02	1.50E-03	3.00E-03	*
AP	4	L16703-04	6/30/2010	AcTh-228	3.00E-04	1.50E-03	6.70E-03	
AP	4	L16703-04	6/30/2010	Ag-108m	-8.00E-05	2.20E-04	1.00E-03	
AP	4	L16703-04	6/30/2010	Ag-110m	3.10E-04	6.80E-04	2.80E-03	
AP	4	L16703-04	6/30/2010	Ba-140	0.00E+00	0.00E+00	1.60E-02	
AP	4	L16703-04	6/30/2010	Be-7	1.38E-01	1.80E-02	2.50E-02	*
AP	4	L16703-04	6/30/2010	Ce-141	-1.80E-04	8.30E-04	3.50E-03	
AP	4	L16703-04	6/30/2010	Ce-144	1.00E-04	1.20E-03	4.80E-03	
AP	4	L16703-04	6/30/2010	Co-57	-1.00E-05	1.20E-04	5.20E-04	

*** Indicated radioactivity concentration > 3 X standard deviation**
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SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m^3)	STD.DEV. (pCi/m^3)	MDC (pCi/m^3)	
AP	4	L16703-04	6/30/2010	Co-58	4.00E-04	6.90E-04	2.80E-03	
AP	4	L16703-04	6/30/2010	Co-60	0.00E+00	0.00E+00	7.80E-04	
AP	4	L16703-04	6/30/2010	Cr-51	3.00E-03	9.60E-03	3.80E-02	
AP	4	L16703-04	6/30/2010	Cs-134	-9.00E-05	2.70E-04	1.60E-03	
AP	4	L16703-04	6/30/2010	Cs-137	-5.00E-05	3.50E-04	1.60E-03	
AP	4	L16703-04	6/30/2010	Fe-59	-1.00E-04	1.70E-03	8.60E-03	
AP	4	L16703-04	6/30/2010	I-131	8.00E-04	6.20E-03	3.20E-02	
AP	4	L16703-04	6/30/2010	K-40	1.36E-02	7.10E-03	1.90E-02	
AP	4	L16703-04	6/30/2010	La-140	0.00E+00	0.00E+00	1.60E-02	
AP	4	L16703-04	6/30/2010	Mn-54	5.00E-05	3.80E-04	1.70E-03	
AP	4	L16703-04	6/30/2010	Nb-95	1.00E-04	1.00E-03	4.70E-03	
AP	4	L16703-04	6/30/2010	Ru-103	-3.50E-04	7.80E-04	3.70E-03	
AP	4	L16703-04	6/30/2010	Ru-106	-3.50E-03	2.40E-03	1.50E-02	
AP	4	L16703-04	6/30/2010	Sb-124	1.70E-03	2.60E-03	1.10E-02	
AP	4	L16703-04	6/30/2010	Sb-125	-3.10E-04	6.90E-04	3.30E-03	
AP	4	L16703-04	6/30/2010	Se-75	0.00E+00	4.00E-04	1.70E-03	
AP	4	L16703-04	6/30/2010	Zn-65	-2.00E-04	8.40E-04	4.50E-03	
AP	4	L16703-04	6/30/2010	Zr-95	6.50E-04	9.60E-04	4.00E-03	
AP	4	L16712-04	7/14/2010	Gross Beta	1.92E-02	1.50E-03	3.40E-03	*
AP	4	L16724-04	7/28/2010	Gross Beta	1.93E-02	1.40E-03	2.60E-03	*
AP	4	L16739-04	8/11/2010	Gross Beta	2.51E-02	1.50E-03	2.80E-03	*
AP	4	L16752-04	8/25/2010	Gross Beta	2.12E-02	1.50E-03	2.90E-03	*
AP	4	L16767-04	9/8/2010	Gross Beta	3.28E-02	1.80E-03	3.00E-03	*
AP	4	L16774-04	9/22/2010	Gross Beta	1.34E-02	1.30E-03	3.00E-03	*
AP	4	L16783-04	10/6/2010	Gross Beta	1.44E-02	1.30E-03	2.80E-03	*
AP	4	L16784-04	10/6/2010	AcTh-228	1.80E-04	9.30E-04	3.60E-03	
AP	4	L16784-04	10/6/2010	Ag-108m	1.30E-04	1.90E-04	6.70E-04	
AP	4	L16784-04	10/6/2010	Ag-110m	0.00E+00	3.20E-04	1.30E-03	
AP	4	L16784-04	10/6/2010	Ba-140	0.00E+00	0.00E+00	2.30E-03	
AP	4	L16784-04	10/6/2010	Be-7	1.25E-01	9.90E-03	1.40E-02	*
AP	4	L16784-04	10/6/2010	Ce-141	-8.90E-04	5.60E-04	2.30E-03	
AP	4	L16784-04	10/6/2010	Ce-144	-2.19E-03	8.90E-04	3.90E-03	
AP	4	L16784-04	10/6/2010	Co-57	0.00E+00	1.10E-04	4.20E-04	
AP	4	L16784-04	10/6/2010	Co-58	3.90E-04	3.30E-04	1.20E-03	
AP	4	L16784-04	10/6/2010	Co-60	-2.40E-04	2.80E-04	1.30E-03	
AP	4	L16784-04	10/6/2010	Cr-51	1.60E-03	4.90E-03	1.80E-02	
AP	4	L16784-04	10/6/2010	Cs-134	-4.00E-05	1.60E-04	8.20E-04	
AP	4	L16784-04	10/6/2010	Cs-137	-9.00E-05	1.80E-04	8.00E-04	
AP	4	L16784-04	10/6/2010	Fe-59	1.67E-03	9.40E-04	2.90E-03	
AP	4	L16784-04	10/6/2010	I-131	0.00E+00	2.70E-03	1.00E-02	
AP	4	L16784-04	10/6/2010	K-40	5.30E-03	3.10E-03	9.40E-03	
AP	4	L16784-04	10/6/2010	La-140	0.00E+00	0.00E+00	2.30E-03	
AP	4	L16784-04	10/6/2010	Mn-54	5.30E-04	2.50E-04	7.20E-04	
AP	4	L16784-04	10/6/2010	Nb-95	2.50E-04	5.20E-04	2.00E-03	
AP	4	L16784-04	10/6/2010	Ru-103	-4.90E-04	5.00E-04	2.10E-03	
AP	4	L16784-04	10/6/2010	Ru-106	1.20E-03	2.20E-03	8.20E-03	
AP	4	L16784-04	10/6/2010	Sb-124	1.23E-03	7.10E-04	1.10E-03	
AP	4	L16784-04	10/6/2010	Sb-125	-1.70E-04	5.30E-04	2.10E-03	
AP	4	L16784-04	10/6/2010	Se-75	-1.00E-04	2.90E-04	1.10E-03	

*** Indicated radioactivity concentration > 3 X standard deviation**
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SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m^3)	STD.DEV. (pCi/m^3)	MDC (pCi/m^3)	
AP	4	L16784-04	10/6/2010	Zn-65	4.60E-04	5.50E-04	2.00E-03	
AP	4	L16784-04	10/6/2010	Zr-95	6.80E-04	5.40E-04	1.80E-03	
AP	4	265443004	10/20/2010	Gross Beta	2.10E-02	1.07E-03	5.52E-04	*
AP	4	266545004	11/3/2010	Gross Beta	2.75E-02	1.23E-03	6.73E-04	*
AP	4	267464004	11/16/2010	Gross Beta	2.29E-02	1.16E-03	8.75E-04	*
AP	4	268096004	12/1/2010	Gross Beta	3.28E-02	1.31E-03	5.75E-04	*
AP	4	268957004	12/15/2010	Gross Beta	2.38E-02	1.14E-03	6.07E-04	*
AP	4	269461004	12/29/2010	Gross Beta	1.94E-02	1.01E-03	5.38E-04	*
AP	4	271459004	12/29/2010	Ac-228	-4.37E-04	6.37E-04	2.12E-03	
AP	4	271459004	12/29/2010	Ag-108m	8.31E-05	9.70E-05	3.40E-04	
AP	4	271459004	12/29/2010	Ag-110m	-5.13E-05	1.52E-04	4.74E-04	
AP	4	271459004	12/29/2010	Ba-140	2.02E-02	2.06E-02	7.27E-02	
AP	4	271459004	12/29/2010	Be-7	1.02E-01	8.26E-03	7.39E-03	*
AP	4	271459004	12/29/2010	Ce-141	1.50E-03	8.66E-04	2.82E-03	
AP	4	271459004	12/29/2010	Ce-144	4.83E-04	7.34E-04	2.44E-03	
AP	4	271459004	12/29/2010	Co-57	-5.44E-05	9.16E-05	2.86E-04	
AP	4	271459004	12/29/2010	Co-58	-6.73E-04	3.44E-04	6.88E-04	
AP	4	271459004	12/29/2010	Co-60	1.80E-04	1.80E-04	6.57E-04	
AP	4	271459004	12/29/2010	Cr-51	-7.84E-04	6.83E-03	2.27E-02	
AP	4	271459004	12/29/2010	Cs-134	8.31E-05	2.07E-04	6.93E-04	
AP	4	271459004	12/29/2010	Cs-137	-4.25E-05	1.16E-04	3.56E-04	
AP	4	271459004	12/29/2010	Fe-59	-1.73E-03	9.58E-04	1.93E-03	
AP	4	271459004	12/29/2010	I-131	-8.45E-02	1.01E-01	0.00E+00	
AP	4	271459004	12/29/2010	La-140	2.02E-02	2.06E-02	7.27E-02	
AP	4	271459004	12/29/2010	Mn-54	4.59E-05	1.55E-04	5.17E-04	
AP	4	271459004	12/29/2010	Nb-95	-8.25E-04	3.92E-04	7.70E-04	
AP	4	271459004	12/29/2010	Ru-103	-2.49E-04	4.47E-04	1.38E-03	
AP	4	271459004	12/29/2010	Ru-106	-1.48E-03	1.37E-03	3.78E-03	
AP	4	271459004	12/29/2010	Sb-124	5.16E-04	6.37E-04	2.45E-03	
AP	4	271459004	12/29/2010	Sb-125	-5.58E-04	3.85E-04	1.05E-03	
AP	4	271459004	12/29/2010	Se-75	-2.42E-04	2.28E-04	6.95E-04	
AP	4	271459004	12/29/2010	Th-228	2.41E-04	2.36E-04	8.05E-04	
AP	4	271459004	12/29/2010	Zn-65	8.91E-04	3.95E-04	1.50E-03	
AP	4	271459004	12/29/2010	Zr-95	2.61E-04	6.33E-04	2.13E-03	
AP	5	L16086-05	1/13/2010	Gross Beta	1.23E-02	1.30E-03	3.40E-03	*
AP	5	L16136-05	1/27/2010	Gross Beta	2.47E-02	1.50E-03	2.90E-03	*
AP	5	L16186-05	2/10/2010	Gross Beta	1.81E-02	1.40E-03	3.00E-03	*
AP	5	L16222-05	2/23/2010	Gross Beta	9.30E-03	1.30E-03	3.50E-03	*
AP	5	L16280-05	3/10/2010	Gross Beta	7.55E-03	6.60E-04	1.70E-03	*
AP	5	L16412-05	3/23/2010	AcTh-228	5.00E-04	1.40E-03	5.30E-03	
AP	5	L16412-05	3/23/2010	Ag-108m	-4.10E-04	2.10E-04	1.00E-03	
AP	5	L16412-05	3/23/2010	Ag-110m	-5.50E-04	3.20E-04	2.00E-03	
AP	5	L16412-05	3/23/2010	Ba-140	1.50E-02	1.10E-02	3.70E-02	
AP	5	L16412-05	3/23/2010	Be-7	1.03E-01	1.30E-02	1.90E-02	*
AP	5	L16412-05	3/23/2010	Ce-141	-9.00E-04	1.00E-03	4.00E-03	
AP	5	L16412-05	3/23/2010	Ce-144	3.00E-04	1.00E-03	3.70E-03	
AP	5	L16412-05	3/23/2010	Co-57	-2.40E-04	1.10E-04	5.10E-04	
AP	5	L16412-05	3/23/2010	Co-58	-1.00E-04	4.90E-04	2.20E-03	
AP	5	L16412-05	3/23/2010	Co-60	-2.90E-04	3.10E-04	1.70E-03	
AP	5	L16412-05	3/23/2010	Cr-51	-1.06E-02	9.30E-03	4.00E-02	

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SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m^3)	STD.DEV. (pCi/m^3)	MDC (pCi/m^3)	
AP	5	L16412-05	3/23/2010	Cs-134	3.00E-05	1.90E-04	8.50E-04	
AP	5	L16412-05	3/23/2010	Cs-137	6.00E-05	2.30E-04	9.70E-04	
AP	5	L16412-05	3/23/2010	Fe-59	6.90E-04	6.90E-04	1.90E-03	
AP	5	L16412-05	3/23/2010	I-131	2.30E-02	1.80E-02	6.10E-02	
AP	5	L16412-05	3/23/2010	K-40	-1.20E-03	4.20E-03	1.90E-02	
AP	5	L16412-05	3/23/2010	La-140	1.50E-02	1.10E-02	3.70E-02	
AP	5	L16412-05	3/23/2010	Mn-54	-5.00E-05	3.40E-04	1.50E-03	
AP	5	L16412-05	3/23/2010	Nb-95	1.60E-03	1.20E-03	3.90E-03	
AP	5	L16412-05	3/23/2010	Ru-103	6.70E-04	5.90E-04	2.10E-03	
AP	5	L16412-05	3/23/2010	Ru-106	-3.60E-03	3.00E-03	1.40E-02	
AP	5	L16412-05	3/23/2010	Sb-124	0.00E+00	0.00E+00	2.60E-03	
AP	5	L16412-05	3/23/2010	Sb-125	1.90E-04	5.60E-04	2.20E-03	
AP	5	L16412-05	3/23/2010	Se-75	-1.40E-04	4.20E-04	1.70E-03	
AP	5	L16412-05	3/23/2010	Zn-65	0.00E+00	4.70E-04	2.50E-03	
AP	5	L16412-05	3/23/2010	Zr-95	4.50E-04	7.60E-04	3.10E-03	
AP	5	L16326-05	3/24/2010	Gross Beta	1.84E-02	1.50E-03	3.20E-03	*
AP	5	L16375-05	4/7/2010	Gross Beta	1.70E-02	1.50E-03	3.30E-03	*
AP	5	L16437-05	4/21/2010	Gross Beta	1.72E-02	1.50E-03	3.40E-03	*
AP	5	L16494-05	5/5/2010	Gross Beta	1.93E-02	1.50E-03	3.30E-03	*
AP	5	L16537-05	5/19/2010	Gross Beta	2.03E-02	1.60E-03	3.60E-03	*
AP	5	L16583-05	6/1/2010	Gross Beta	1.75E-02	1.40E-03	3.00E-03	*
AP	5	L16641-05	6/16/2010	Gross Beta	1.14E-02	1.20E-03	2.70E-03	*
AP	5	L16677-05	6/30/2010	Gross Beta	6.90E-03	1.10E-03	2.90E-03	*
AP	5	L16703-05	6/30/2010	AcTh-228	2.00E-05	7.30E-04	4.30E-03	
AP	5	L16703-05	6/30/2010	Ag-108m	-3.10E-04	2.80E-04	1.40E-03	
AP	5	L16703-05	6/30/2010	Ag-110m	-3.20E-04	7.20E-04	3.50E-03	
AP	5	L16703-05	6/30/2010	Ba-140	6.00E-03	1.10E-02	4.60E-02	
AP	5	L16703-05	6/30/2010	Be-7	1.68E-01	2.10E-02	2.70E-02	*
AP	5	L16703-05	6/30/2010	Ce-141	0.00E+00	1.00E-03	4.20E-03	
AP	5	L16703-05	6/30/2010	Ce-144	-5.00E-04	1.20E-03	5.10E-03	
AP	5	L16703-05	6/30/2010	Co-57	1.00E-04	1.40E-04	5.30E-04	
AP	5	L16703-05	6/30/2010	Co-58	-3.00E-04	3.00E-04	2.40E-03	
AP	5	L16703-05	6/30/2010	Co-60	-2.40E-04	4.90E-04	2.60E-03	
AP	5	L16703-05	6/30/2010	Cr-51	-6.40E-03	8.60E-03	4.10E-02	
AP	5	L16703-05	6/30/2010	Cs-134	2.80E-04	2.50E-04	3.90E-04	
AP	5	L16703-05	6/30/2010	Cs-137	-2.80E-04	4.90E-04	2.20E-03	
AP	5	L16703-05	6/30/2010	Fe-59	1.20E-03	1.20E-03	3.10E-03	
AP	5	L16703-05	6/30/2010	I-131	-1.00E-02	1.40E-02	6.70E-02	
AP	5	L16703-05	6/30/2010	K-40	-9.00E-04	5.20E-03	2.60E-02	
AP	5	L16703-05	6/30/2010	La-140	6.00E-03	1.10E-02	4.60E-02	
AP	5	L16703-05	6/30/2010	Mn-54	1.10E-04	5.60E-04	2.40E-03	
AP	5	L16703-05	6/30/2010	Nb-95	-4.30E-04	9.10E-04	5.00E-03	
AP	5	L16703-05	6/30/2010	Ru-103	0.00E+00	9.00E-04	4.00E-03	
AP	5	L16703-05	6/30/2010	Ru-106	8.00E-04	4.50E-03	1.80E-02	
AP	5	L16703-05	6/30/2010	Sb-124	0.00E+00	0.00E+00	4.40E-03	
AP	5	L16703-05	6/30/2010	Sb-125	3.30E-04	9.90E-04	4.00E-03	
AP	5	L16703-05	6/30/2010	Se-75	4.00E-04	4.60E-04	1.70E-03	
AP	5	L16703-05	6/30/2010	Zn-65	1.20E-03	1.20E-03	4.30E-03	
AP	5	L16703-05	6/30/2010	Zr-95	-5.30E-04	5.30E-04	4.20E-03	

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SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m^3)	STD.DEV. (pCi/m^3)	MDC (pCi/m^3)	
AP	5	L16712-05	7/14/2010	Gross Beta	2.09E-02	1.50E-03	3.30E-03	*
AP	5	L16724-05	7/28/2010	Gross Beta	2.13E-02	1.40E-03	2.50E-03	*
AP	5	L16739-05	8/11/2010	Gross Beta	2.15E-02	1.50E-03	2.80E-03	*
AP	5	L16752-05	8/25/2010	Gross Beta	2.31E-02	1.50E-03	2.80E-03	*
AP	5	L16767-05	9/8/2010	Gross Beta	3.41E-02	1.70E-03	2.90E-03	*
AP	5	L16774-05	9/22/2010	Gross Beta	1.21E-02	1.20E-03	3.00E-03	*
AP	5	L16783-05	10/6/2010	Gross Beta	1.71E-02	1.40E-03	2.80E-03	*
AP	5	L16784-05	10/6/2010	AcTh-228	6.00E-04	9.90E-04	3.80E-03	
AP	5	L16784-05	10/6/2010	Ag-108m	-3.00E-05	1.70E-04	7.10E-04	
AP	5	L16784-05	10/6/2010	Ag-110m	-4.30E-04	2.50E-04	1.50E-03	
AP	5	L16784-05	10/6/2010	Ba-140	-1.50E-03	1.50E-03	1.00E-02	
AP	5	L16784-05	10/6/2010	Be-7	1.07E-01	1.00E-02	1.50E-02	*
AP	5	L16784-05	10/6/2010	Ce-141	-1.20E-04	5.20E-04	2.00E-03	
AP	5	L16784-05	10/6/2010	Ce-144	1.80E-04	8.70E-04	3.20E-03	
AP	5	L16784-05	10/6/2010	Co-57	-1.88E-04	8.30E-05	3.90E-04	
AP	5	L16784-05	10/6/2010	Co-58	-3.10E-04	3.70E-04	1.80E-03	
AP	5	L16784-05	10/6/2010	Co-60	0.00E+00	2.80E-04	1.30E-03	
AP	5	L16784-05	10/6/2010	Cr-51	-3.20E-03	3.80E-03	1.60E-02	
AP	5	L16784-05	10/6/2010	Cs-134	-6.00E-04	2.00E-04	1.30E-03	
AP	5	L16784-05	10/6/2010	Cs-137	4.30E-04	2.80E-04	9.10E-04	
AP	5	L16784-05	10/6/2010	Fe-59	-1.10E-03	1.30E-03	6.00E-03	
AP	5	L16784-05	10/6/2010	I-131	7.00E-04	3.00E-03	1.10E-02	
AP	5	L16784-05	10/6/2010	K-40	2.00E-03	4.00E-03	1.60E-02	
AP	5	L16784-05	10/6/2010	La-140	-1.50E-03	1.50E-03	1.00E-02	
AP	5	L16784-05	10/6/2010	Mn-54	-2.10E-04	2.60E-04	1.20E-03	
AP	5	L16784-05	10/6/2010	Nb-95	-4.00E-04	6.60E-04	2.90E-03	
AP	5	L16784-05	10/6/2010	Ru-103	3.90E-04	4.70E-04	1.70E-03	
AP	5	L16784-05	10/6/2010	Ru-106	1.70E-03	2.20E-03	8.20E-03	
AP	5	L16784-05	10/6/2010	Sb-124	3.80E-03	1.60E-03	1.70E-03	
AP	5	L16784-05	10/6/2010	Sb-125	0.00E+00	4.20E-04	1.80E-03	
AP	5	L16784-05	10/6/2010	Se-75	-3.30E-04	3.00E-04	1.30E-03	
AP	5	L16784-05	10/6/2010	Zn-65	-5.10E-04	7.40E-04	3.40E-03	
AP	5	L16784-05	10/6/2010	Zr-95	-5.40E-04	6.60E-04	3.10E-03	
AP	5	265443005	10/20/2010	Gross Beta	1.85E-02	1.01E-03	5.85E-04	*
AP	5	266545005	11/3/2010	Gross Beta	2.74E-02	1.21E-03	5.40E-04	*
AP	5	267464005	11/16/2010	Gross Beta	2.57E-02	1.21E-03	6.44E-04	*
AP	5	268096005	12/1/2010	Gross Beta	2.94E-02	1.23E-03	5.84E-04	*
AP	5	268957005	12/15/2010	Gross Beta	2.23E-02	1.09E-03	5.77E-04	*
AP	5	269461005	12/29/2010	Gross Beta	1.97E-02	1.03E-03	6.54E-04	*
AP	5	271459005	12/29/2010	Ac-228	8.44E-04	7.65E-04	2.70E-03	
AP	5	271459005	12/29/2010	Ag-108m	2.79E-05	1.11E-04	3.74E-04	
AP	5	271459005	12/29/2010	Ag-110m	4.81E-05	1.46E-04	5.03E-04	
AP	5	271459005	12/29/2010	Ba-140	-1.85E-02	1.48E-02	3.97E-02	
AP	5	271459005	12/29/2010	Be-7	9.38E-02	7.55E-03	8.90E-03	*
AP	5	271459005	12/29/2010	Ce-141	-1.53E-03	9.57E-04	2.58E-03	
AP	5	271459005	12/29/2010	Ce-144	1.44E-04	7.71E-04	2.49E-03	
AP	5	271459005	12/29/2010	Co-57	1.09E-04	9.99E-05	3.31E-04	
AP	5	271459005	12/29/2010	Co-58	1.49E-04	2.65E-04	9.10E-04	
AP	5	271459005	12/29/2010	Co-60	8.03E-05	1.72E-04	5.88E-04	
AP	5	271459005	12/29/2010	Cr-51	-1.28E-02	7.44E-03	1.92E-02	

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SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m^3)	STD.DEV. (pCi/m^3)	MDC (pCi/m^3)	
AP	5	271459005	12/29/2010	Cs-134	1.53E-04	1.79E-04	6.22E-04	
AP	5	271459005	12/29/2010	Cs-137	-1.08E-04	1.28E-04	3.90E-04	
AP	5	271459005	12/29/2010	Fe-59	1.08E-03	8.75E-04	3.15E-03	
AP	5	271459005	12/29/2010	I-131	-8.83E-02	1.07E-01	0.00E+00	
AP	5	271459005	12/29/2010	La-140	-1.85E-02	1.48E-02	3.97E-02	
AP	5	271459005	12/29/2010	Mn-54	-1.76E-05	1.73E-04	5.65E-04	
AP	5	271459005	12/29/2010	Nb-95	1.69E-04	3.19E-04	1.09E-03	
AP	5	271459005	12/29/2010	Ru-103	-6.62E-04	4.91E-04	1.37E-03	
AP	5	271459005	12/29/2010	Ru-106	6.50E-05	1.36E-03	4.39E-03	
AP	5	271459005	12/29/2010	Sb-124	-8.06E-04	8.74E-04	2.44E-03	
AP	5	271459005	12/29/2010	Sb-125	-3.77E-04	3.41E-04	1.01E-03	
AP	5	271459005	12/29/2010	Se-75	-1.21E-04	2.49E-04	7.88E-04	
AP	5	271459005	12/29/2010	Th-228	6.11E-05	2.36E-04	8.26E-04	
AP	5	271459005	12/29/2010	Zn-65	-5.98E-04	4.37E-04	1.19E-03	
AP	5	271459005	12/29/2010	Zr-95	-4.31E-04	5.51E-04	1.68E-03	
AP	7	L16086-06	1/13/2010	Gross Beta	1.45E-02	1.40E-03	3.40E-03	*
AP	7	L16136-06	1/27/2010	Gross Beta	2.67E-02	1.60E-03	2.90E-03	*
AP	7	L16186-06	2/10/2010	Gross Beta	2.34E-02	1.50E-03	3.00E-03	*
AP	7	L16222-06	2/23/2010	Gross Beta	1.00E-02	1.30E-03	3.40E-03	*
AP	7	L16280-06	3/10/2010	Gross Beta	1.56E-02	7.80E-04	1.70E-03	*
AP	7	L16412-06	3/23/2010	AcTh-228	8.00E-05	8.90E-04	3.60E-03	
AP	7	L16412-06	3/23/2010	Ag-108m	-1.30E-04	2.20E-04	8.80E-04	
AP	7	L16412-06	3/23/2010	Ag-110m	4.80E-04	4.80E-04	1.70E-03	
AP	7	L16412-06	3/23/2010	Ba-140	-4.70E-03	9.90E-03	4.30E-02	
AP	7	L16412-06	3/23/2010	Be-7	9.00E-02	1.00E-02	1.80E-02	*
AP	7	L16412-06	3/23/2010	Ce-141	-2.17E-03	9.90E-04	4.10E-03	
AP	7	L16412-06	3/23/2010	Ce-144	-4.00E-04	9.70E-04	3.80E-03	
AP	7	L16412-06	3/23/2010	Co-57	1.60E-04	1.50E-04	5.00E-04	
AP	7	L16412-06	3/23/2010	Co-58	0.00E+00	4.60E-04	1.90E-03	
AP	7	L16412-06	3/23/2010	Co-60	4.20E-04	3.00E-04	9.90E-04	
AP	7	L16412-06	3/23/2010	Cr-51	3.00E-03	8.60E-03	3.10E-02	
AP	7	L16412-06	3/23/2010	Cs-134	2.90E-04	2.20E-04	1.00E-03	
AP	7	L16412-06	3/23/2010	Cs-137	1.20E-04	2.40E-04	9.10E-04	
AP	7	L16412-06	3/23/2010	Fe-59	-6.00E-04	1.30E-03	5.90E-03	
AP	7	L16412-06	3/23/2010	I-131	2.90E-02	2.20E-02	7.20E-02	
AP	7	L16412-06	3/23/2010	K-40	7.50E-03	4.60E-03	1.50E-02	
AP	7	L16412-06	3/23/2010	La-140	-4.70E-03	9.90E-03	4.30E-02	
AP	7	L16412-06	3/23/2010	Mn-54	4.80E-04	3.00E-04	9.60E-04	
AP	7	L16412-06	3/23/2010	Nb-95	1.90E-03	1.10E-03	3.70E-03	
AP	7	L16412-06	3/23/2010	Ru-103	-6.60E-04	8.40E-04	3.40E-03	
AP	7	L16412-06	3/23/2010	Ru-106	-3.20E-03	2.60E-03	1.10E-02	
AP	7	L16412-06	3/23/2010	Sb-124	1.00E-04	1.10E-03	5.20E-03	
AP	7	L16412-06	3/23/2010	Sb-125	2.00E-05	7.10E-04	2.70E-03	
AP	7	L16412-06	3/23/2010	Se-75	4.30E-04	4.10E-04	1.40E-03	
AP	7	L16412-06	3/23/2010	Zn-65	-8.30E-04	8.20E-04	3.60E-03	
AP	7	L16412-06	3/23/2010	Zr-95	4.80E-04	8.90E-04	3.40E-03	
AP	7	L16326-06	3/24/2010	Gross Beta	1.90E-02	1.40E-03	2.80E-03	*
AP	7	L16375-06	4/7/2010	Gross Beta	1.45E-02	1.30E-03	3.00E-03	*
AP	7	L16437-06	4/21/2010	Gross Beta	1.91E-02	1.50E-03	3.20E-03	*

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m^3)	STD.DEV. (pCi/m^3)	MDC (pCi/m^3)	
AP	7	L16494-06	5/5/2010	Gross Beta	2.39E-02	1.60E-03	3.10E-03	*
AP	7	L16537-06	5/19/2010	Gross Beta	1.86E-02	1.50E-03	3.20E-03	*
AP	7	L16583-06	6/1/2010	Gross Beta	1.58E-02	1.40E-03	3.00E-03	*
AP	7	L16641-06	6/16/2010	Gross Beta	1.25E-02	1.20E-03	2.80E-03	*
AP	7	L16677-06	6/30/2010	Gross Beta	2.22E-02	1.50E-03	3.00E-03	*
AP	7	L16703-06	6/30/2010	AcTh-228	-6.00E-05	6.00E-04	2.90E-03	
AP	7	L16703-06	6/30/2010	Ag-108m	7.00E-05	1.50E-04	5.80E-04	
AP	7	L16703-06	6/30/2010	Ag-110m	-4.70E-04	4.70E-04	2.20E-03	
AP	7	L16703-06	6/30/2010	Ba-140	-1.40E-02	1.30E-02	6.80E-02	
AP	7	L16703-06	6/30/2010	Be-7	1.35E-01	1.40E-02	2.20E-02	*
AP	7	L16703-06	6/30/2010	Ce-141	-1.30E-03	1.00E-03	4.10E-03	
AP	7	L16703-06	6/30/2010	Ce-144	9.00E-05	8.40E-04	3.20E-03	
AP	7	L16703-06	6/30/2010	Co-57	-1.10E-04	1.00E-04	4.40E-04	
AP	7	L16703-06	6/30/2010	Co-58	-2.70E-04	4.10E-04	2.00E-03	
AP	7	L16703-06	6/30/2010	Co-60	0.00E+00	3.50E-04	1.50E-03	
AP	7	L16703-06	6/30/2010	Cr-51	-5.20E-03	9.30E-03	3.80E-02	
AP	7	L16703-06	6/30/2010	Cs-134	-1.60E-04	1.50E-04	1.00E-03	
AP	7	L16703-06	6/30/2010	Cs-137	1.20E-04	2.40E-04	9.40E-04	
AP	7	L16703-06	6/30/2010	Fe-59	-2.40E-03	1.90E-03	9.40E-03	
AP	7	L16703-06	6/30/2010	I-131	-3.90E-02	2.30E-02	1.10E-01	
AP	7	L16703-06	6/30/2010	K-40	-8.00E-04	4.10E-03	1.80E-02	
AP	7	L16703-06	6/30/2010	La-140	-1.40E-02	1.30E-02	6.80E-02	
AP	7	L16703-06	6/30/2010	Mn-54	-1.00E-04	3.10E-04	1.30E-03	
AP	7	L16703-06	6/30/2010	Nb-95	-1.30E-04	9.80E-04	4.20E-03	
AP	7	L16703-06	6/30/2010	Ru-103	0.00E+00	7.50E-04	3.10E-03	
AP	7	L16703-06	6/30/2010	Ru-106	-1.10E-03	1.90E-03	8.90E-03	
AP	7	L16703-06	6/30/2010	Sb-124	-7.00E-04	1.50E-03	8.00E-03	
AP	7	L16703-06	6/30/2010	Sb-125	0.00E+00	4.40E-04	1.90E-03	
AP	7	L16703-06	6/30/2010	Se-75	1.00E-05	3.80E-04	1.50E-03	
AP	7	L16703-06	6/30/2010	Zn-65	-8.50E-04	7.70E-04	3.80E-03	
AP	7	L16703-06	6/30/2010	Zr-95	2.10E-03	1.10E-03	3.30E-03	
AP	7	L16712-06	7/14/2010	Gross Beta	1.84E-02	1.50E-03	3.40E-03	*
AP	7	L16724-06	7/28/2010	Gross Beta	2.19E-02	1.40E-03	2.60E-03	*
AP	7	L16739-06	8/11/2010	Gross Beta	2.25E-02	1.50E-03	2.90E-03	*
AP	7	L16752-06	8/25/2010	Gross Beta	1.89E-02	1.40E-03	2.90E-03	*
AP	7	L16767-06	9/8/2010	Gross Beta	3.33E-02	1.80E-03	3.00E-03	*
AP	7	L16774-06	9/22/2010	Gross Beta	1.32E-02	1.30E-03	3.00E-03	*
AP	7	L16783-06	10/6/2010	Gross Beta	2.00E-02	1.40E-03	2.90E-03	*
AP	7	L16784-06	10/6/2010	AcTh-228	-1.00E-03	1.00E-03	4.90E-03	
AP	7	L16784-06	10/6/2010	Ag-108m	2.50E-04	1.50E-04	4.60E-04	
AP	7	L16784-06	10/6/2010	Ag-110m	0.00E+00	4.20E-04	1.80E-03	
AP	7	L16784-06	10/6/2010	Ba-140	-2.80E-03	2.00E-03	1.30E-02	
AP	7	L16784-06	10/6/2010	Be-7	9.50E-02	1.00E-02	1.70E-02	*
AP	7	L16784-06	10/6/2010	Ce-141	7.70E-04	5.80E-04	1.90E-03	
AP	7	L16784-06	10/6/2010	Ce-144	5.00E-04	8.00E-04	2.90E-03	
AP	7	L16784-06	10/6/2010	Co-57	1.00E-05	1.10E-04	4.00E-04	
AP	7	L16784-06	10/6/2010	Co-58	1.80E-04	3.00E-04	1.20E-03	
AP	7	L16784-06	10/6/2010	Co-60	-1.00E-04	3.00E-04	1.50E-03	
AP	7	L16784-06	10/6/2010	Cr-51	1.01E-02	5.00E-03	1.50E-02	
AP	7	L16784-06	10/6/2010	Cs-134	-5.00E-05	1.90E-04	1.00E-03	

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

Seabrook Nuclear Power Station Radiological Environmental Monitoring Program -2010

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m^3)	STD.DEV. (pCi/m^3)	MDC (pCi/m^3)	
AP	7	L16784-06	10/6/2010	Cs-137	3.10E-04	2.10E-04	6.50E-04	
AP	7	L16784-06	10/6/2010	Fe-59	0.00E+00	1.10E-03	4.80E-03	
AP	7	L16784-06	10/6/2010	I-131	-7.20E-03	3.20E-03	1.50E-02	
AP	7	L16784-06	10/6/2010	K-40	4.90E-03	4.60E-03	1.60E-02	
AP	7	L16784-06	10/6/2010	La-140	-2.80E-03	2.00E-03	1.30E-02	
AP	7	L16784-06	10/6/2010	Mn-54	1.60E-04	3.10E-04	1.20E-03	
AP	7	L16784-06	10/6/2010	Nb-95	-4.70E-04	5.80E-04	2.70E-03	
AP	7	L16784-06	10/6/2010	Ru-103	-1.40E-04	5.70E-04	2.30E-03	
AP	7	L16784-06	10/6/2010	Ru-106	2.40E-03	2.70E-03	9.70E-03	
AP	7	L16784-06	10/6/2010	Sb-124	-1.30E-03	1.30E-03	7.10E-03	
AP	7	L16784-06	10/6/2010	Sb-125	3.10E-04	3.80E-04	1.50E-03	
AP	7	L16784-06	10/6/2010	Se-75	-4.30E-04	3.00E-04	1.30E-03	
AP	7	L16784-06	10/6/2010	Zn-65	0.00E+00	6.60E-04	2.90E-03	
AP	7	L16784-06	10/6/2010	Zr-95	1.90E-04	8.20E-04	3.30E-03	
AP	7	265443006	10/20/2010	Gross Beta	1.91E-02	1.03E-03	5.77E-04	*
AP	7	266545006	11/3/2010	Gross Beta	2.76E-02	1.23E-03	5.86E-04	*
AP	7	267464006	11/16/2010	Gross Beta	2.71E-02	1.25E-03	6.74E-04	*
AP	7	268096006	12/1/2010	Gross Beta	3.28E-02	1.29E-03	6.62E-04	*
AP	7	268957006	12/15/2010	Gross Beta	2.40E-02	1.14E-03	5.89E-04	*
AP	7	269461006	12/29/2010	Gross Beta	1.92E-02	1.01E-03	6.00E-04	*
AP	7	271459006	12/29/2010	Ac-228	1.10E-03	7.05E-04	2.50E-03	
AP	7	271459006	12/29/2010	Ag-108m	1.02E-04	1.27E-04	4.42E-04	
AP	7	271459006	12/29/2010	Ag-110m	1.87E-04	1.82E-04	6.39E-04	
AP	7	271459006	12/29/2010	Ba-140	0.00E+00	0.00E+00	0.00E+00	
AP	7	271459006	12/29/2010	Be-7	8.24E-02	8.28E-03	1.07E-02	*
AP	7	271459006	12/29/2010	Ce-141	4.69E-04	8.26E-04	2.80E-03	
AP	7	271459006	12/29/2010	Ce-144	1.05E-03	7.28E-04	2.47E-03	
AP	7	271459006	12/29/2010	Co-57	6.15E-05	9.47E-05	3.23E-04	
AP	7	271459006	12/29/2010	Co-58	-4.73E-04	3.62E-04	9.40E-04	
AP	7	271459006	12/29/2010	Co-60	-2.70E-04	1.57E-04	2.56E-04	
AP	7	271459006	12/29/2010	Cr-51	5.54E-03	8.30E-03	2.76E-02	
AP	7	271459006	12/29/2010	Cs-134	-7.52E-05	1.88E-04	5.80E-04	
AP	7	271459006	12/29/2010	Cs-137	-9.27E-06	1.78E-04	5.83E-04	
AP	7	271459006	12/29/2010	Fe-59	-8.33E-04	1.00E-03	2.91E-03	
AP	7	271459006	12/29/2010	I-131	1.50E-02	1.13E-01	0.00E+00	
AP	7	271459006	12/29/2010	La-140	0.00E+00	0.00E+00	0.00E+00	
AP	7	271459006	12/29/2010	Mn-54	-4.11E-04	2.36E-04	5.52E-04	
AP	7	271459006	12/29/2010	Nb-95	-3.93E-04	3.84E-04	1.08E-03	
AP	7	271459006	12/29/2010	Ru-103	-2.17E-04	5.06E-04	1.62E-03	
AP	7	271459006	12/29/2010	Ru-106	-7.60E-04	1.93E-03	6.14E-03	
AP	7	271459006	12/29/2010	Sb-124	-2.15E-03	1.21E-03	2.22E-03	
AP	7	271459006	12/29/2010	Sb-125	-3.44E-04	3.12E-04	8.97E-04	
AP	7	271459006	12/29/2010	Se-75	-1.57E-04	2.42E-04	7.40E-04	
AP	7	271459006	12/29/2010	Th-228	1.27E-04	2.38E-04	7.93E-04	
AP	7	271459006	12/29/2010	Zn-65	-7.51E-04	4.69E-04	1.11E-03	
AP	7	271459006	12/29/2010	Zr-95	2.74E-04	6.37E-04	2.16E-03	
AP	8	L16086-07	1/13/2010	Gross Beta	1.24E-02	1.40E-03	3.50E-03	*
AP	8	L16136-07	1/27/2010	Gross Beta	2.18E-02	1.50E-03	3.00E-03	*
AP	8	L16186-07	2/10/2010	Gross Beta	2.01E-02	1.50E-03	3.00E-03	*

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m^3)	STD.DEV. (pCi/m^3)	MDC (pCi/m^3)	
AP	8	L16222-07	2/23/2010	Gross Beta	9.00E-03	1.40E-03	3.60E-03	*
AP	8	L16280-07	3/2/2010	Gross Beta	4.90E-03	1.30E-03	4.10E-03	*
AP	8	L16412-07	3/23/2010	AcTh-228	1.10E-03	1.60E-03	5.90E-03	
AP	8	L16412-07	3/23/2010	Ag-108m	3.90E-04	1.80E-04	4.80E-04	
AP	8	L16412-07	3/23/2010	Ag-110m	2.10E-04	5.40E-04	2.20E-03	
AP	8	L16412-07	3/23/2010	Ba-140	-7.00E-03	1.10E-02	5.70E-02	
AP	8	L16412-07	3/23/2010	Be-7	8.10E-02	1.30E-02	2.70E-02	*
AP	8	L16412-07	3/23/2010	Ce-141	1.03E-03	8.60E-04	2.90E-03	
AP	8	L16412-07	3/23/2010	Ce-144	-1.90E-03	1.30E-03	5.40E-03	
AP	8	L16412-07	3/23/2010	Co-57	-1.00E-04	1.10E-04	4.60E-04	
AP	8	L16412-07	3/23/2010	Co-58	8.00E-05	5.10E-04	2.20E-03	
AP	8	L16412-07	3/23/2010	Co-60	1.90E-04	3.30E-04	1.40E-03	
AP	8	L16412-07	3/23/2010	Cr-51	7.60E-03	9.00E-03	3.20E-02	
AP	8	L16412-07	3/23/2010	Cs-134	-1.90E-04	2.40E-04	1.40E-03	
AP	8	L16412-07	3/23/2010	Cs-137	4.00E-05	3.50E-04	1.40E-03	
AP	8	L16412-07	3/23/2010	Fe-59	-3.70E-03	2.40E-03	1.20E-02	
AP	8	L16412-07	3/23/2010	I-131	-1.20E-02	1.90E-02	8.50E-02	
AP	8	L16412-07	3/23/2010	K-40	3.50E-03	5.50E-03	2.10E-02	
AP	8	L16412-07	3/23/2010	La-140	-7.00E-03	1.10E-02	5.70E-02	
AP	8	L16412-07	3/23/2010	Mn-54	5.00E-05	3.10E-04	1.40E-03	
AP	8	L16412-07	3/23/2010	Nb-95	-1.50E-03	1.30E-03	6.10E-03	
AP	8	L16412-07	3/23/2010	Ru-103	0.00E+00	7.10E-04	3.00E-03	
AP	8	L16412-07	3/23/2010	Ru-106	-2.20E-03	3.90E-03	1.60E-02	
AP	8	L16412-07	3/23/2010	Sb-124	-4.00E-03	2.00E-03	1.20E-02	
AP	8	L16412-07	3/23/2010	Sb-125	4.10E-04	5.90E-04	2.20E-03	
AP	8	L16412-07	3/23/2010	Se-75	5.00E-04	4.00E-04	1.30E-03	
AP	8	L16412-07	3/23/2010	Zn-65	-5.00E-05	5.60E-04	2.90E-03	
AP	8	L16412-07	3/23/2010	Zr-95	5.00E-04	1.00E-03	4.00E-03	
AP	8	L16326-07	3/24/2010	Gross Beta	1.74E-02	1.50E-03	3.30E-03	*
AP	8	L16375-07	4/7/2010	Gross Beta	1.56E-02	1.50E-03	3.40E-03	*
AP	8	L16437-07	4/21/2010	Gross Beta	1.91E-02	1.60E-03	3.40E-03	*
AP	8	L16494-07	5/5/2010	Gross Beta	2.33E-02	1.70E-03	3.30E-03	*
AP	8	L16537-07	5/19/2010	Gross Beta	1.55E-02	1.40E-03	3.30E-03	*
AP	8	L16583-07	6/1/2010	Gross Beta	1.79E-02	1.40E-03	3.00E-03	*
AP	8	L16641-07	6/16/2010	Gross Beta	1.42E-02	1.30E-03	2.90E-03	*
AP	8	L16677-07	6/30/2010	Gross Beta	2.05E-02	1.50E-03	3.00E-03	*
AP	8	L16703-07	6/30/2010	AcTh-228	3.00E-04	1.60E-03	6.90E-03	
AP	8	L16703-07	6/30/2010	Ag-108m	4.30E-04	2.50E-04	7.30E-04	
AP	8	L16703-07	6/30/2010	Ag-110m	0.00E+00	6.40E-04	3.00E-03	
AP	8	L16703-07	6/30/2010	Ba-140	-6.00E-04	9.60E-03	5.00E-02	
AP	8	L16703-07	6/30/2010	Be-7	1.34E-01	1.80E-02	1.80E-02	*
AP	8	L16703-07	6/30/2010	Ce-141	1.40E-03	1.10E-03	3.90E-03	
AP	8	L16703-07	6/30/2010	Ce-144	1.20E-03	1.40E-03	5.00E-03	
AP	8	L16703-07	6/30/2010	Co-57	1.00E-04	1.60E-04	5.90E-04	
AP	8	L16703-07	6/30/2010	Co-58	6.80E-04	4.80E-04	9.10E-04	
AP	8	L16703-07	6/30/2010	Co-60	-3.00E-04	5.20E-04	2.80E-03	
AP	8	L16703-07	6/30/2010	Cr-51	2.10E-03	8.30E-03	3.50E-02	
AP	8	L16703-07	6/30/2010	Cs-134	1.10E-04	2.90E-04	1.50E-03	
AP	8	L16703-07	6/30/2010	Cs-137	2.80E-04	4.30E-04	1.70E-03	
AP	8	L16703-07	6/30/2010	Fe-59	2.30E-03	1.60E-03	3.10E-03	

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m^3)	STD.DEV. (pCi/m^3)	MDC (pCi/m^3)	
AP	8	L16703-07	6/30/2010	I-131	9.00E-03	1.50E-02	5.80E-02	
AP	8	L16703-07	6/30/2010	K-40	1.11E-02	6.70E-03	1.90E-02	
AP	8	L16703-07	6/30/2010	La-140	-6.00E-04	9.60E-03	5.00E-02	
AP	8	L16703-07	6/30/2010	Mn-54	2.10E-04	5.50E-04	2.30E-03	
AP	8	L16703-07	6/30/2010	Nb-95	5.70E-04	5.70E-04	1.60E-03	
AP	8	L16703-07	6/30/2010	Ru-103	1.83E-03	8.20E-04	9.90E-04	
AP	8	L16703-07	6/30/2010	Ru-106	4.60E-03	2.70E-03	4.20E-03	
AP	8	L16703-07	6/30/2010	Sb-124	0.00E+00	0.00E+00	4.40E-03	
AP	8	L16703-07	6/30/2010	Sb-125	-3.20E-04	8.50E-04	3.90E-03	
AP	8	L16703-07	6/30/2010	Se-75	-9.20E-04	5.30E-04	2.50E-03	
AP	8	L16703-07	6/30/2010	Zn-65	4.50E-04	5.80E-04	2.50E-03	
AP	8	L16703-07	6/30/2010	Zr-95	7.00E-04	1.00E-03	4.20E-03	
AP	8	L16712-07	7/14/2010	Gross Beta	1.94E-02	1.60E-03	3.50E-03	*
AP	8	L16724-07	7/28/2010	Gross Beta	2.40E-02	1.50E-03	2.70E-03	*
AP	8	L16739-07	8/11/2010	Gross Beta	2.14E-02	1.50E-03	2.90E-03	*
AP	8	L16752-07	8/25/2010	Gross Beta	1.94E-02	1.40E-03	2.90E-03	*
AP	8	L16767-07	9/8/2010	Gross Beta	3.43E-02	1.80E-03	3.00E-03	*
AP	8	L16774-07	9/22/2010	Gross Beta	1.52E-02	1.40E-03	3.10E-03	*
AP	8	L16783-07	10/6/2010	Gross Beta	1.93E-02	1.40E-03	2.90E-03	*
AP	8	L16784-07	10/6/2010	AcTh-228	8.80E-04	7.80E-04	2.70E-03	
AP	8	L16784-07	10/6/2010	Ag-108m	4.30E-04	2.20E-04	6.80E-04	
AP	8	L16784-07	10/6/2010	Ag-110m	0.00E+00	3.50E-04	1.40E-03	
AP	8	L16784-07	10/6/2010	Ba-140	0.00E+00	2.20E-03	9.50E-03	
AP	8	L16784-07	10/6/2010	Be-7	1.18E-01	9.10E-03	7.90E-03	*
AP	8	L16784-07	10/6/2010	Ce-141	2.90E-04	5.20E-04	1.90E-03	
AP	8	L16784-07	10/6/2010	Ce-144	2.40E-04	8.70E-04	3.20E-03	
AP	8	L16784-07	10/6/2010	Co-57	-1.60E-04	1.20E-04	4.80E-04	
AP	8	L16784-07	10/6/2010	Co-58	-2.90E-04	3.20E-04	1.50E-03	
AP	8	L16784-07	10/6/2010	Co-60	-2.60E-04	3.20E-04	1.40E-03	
AP	8	L16784-07	10/6/2010	Cr-51	-5.80E-03	5.30E-03	2.10E-02	
AP	8	L16784-07	10/6/2010	Cs-134	1.10E-04	1.90E-04	1.00E-03	
AP	8	L16784-07	10/6/2010	Cs-137	1.20E-04	1.70E-04	6.60E-04	
AP	8	L16784-07	10/6/2010	Fe-59	2.20E-04	6.90E-04	2.90E-03	
AP	8	L16784-07	10/6/2010	I-131	-2.20E-03	2.80E-03	1.10E-02	
AP	8	L16784-07	10/6/2010	K-40	1.10E-03	3.10E-03	1.20E-02	
AP	8	L16784-07	10/6/2010	La-140	0.00E+00	2.20E-03	9.50E-03	
AP	8	L16784-07	10/6/2010	Mn-54	-2.00E-04	2.40E-04	1.10E-03	
AP	8	L16784-07	10/6/2010	Nb-95	4.00E-04	4.60E-04	1.70E-03	
AP	8	L16784-07	10/6/2010	Ru-103	-4.90E-04	4.80E-04	2.00E-03	
AP	8	L16784-07	10/6/2010	Ru-106	-4.80E-03	1.90E-03	9.60E-03	
AP	8	L16784-07	10/6/2010	Sb-124	1.25E-03	7.20E-04	1.10E-03	
AP	8	L16784-07	10/6/2010	Sb-125	-3.90E-04	6.60E-04	2.60E-03	
AP	8	L16784-07	10/6/2010	Se-75	2.50E-04	2.90E-04	1.00E-03	
AP	8	L16784-07	10/6/2010	Zn-65	2.90E-04	5.30E-04	2.10E-03	
AP	8	L16784-07	10/6/2010	Zr-95	1.70E-04	6.30E-04	2.40E-03	
AP	8	265443007	10/20/2010	Gross Beta	1.92E-02	1.04E-03	5.77E-04	*
AP	8	266545007	11/3/2010	Gross Beta	3.14E-02	1.32E-03	5.77E-04	*
AP	8	267464007	11/16/2010	Gross Beta	2.28E-02	1.16E-03	5.96E-04	*
AP	8	268096007	12/1/2010	Gross Beta	3.31E-02	1.28E-03	4.89E-04	*

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m^3)	STD.DEV. (pCi/m^3)	MDC (pCi/m^3)	
AP	8	268957007	12/15/2010	Gross Beta	2.40E-02	1.15E-03	6.29E-04	*
AP	8	269461007	12/29/2010	Gross Beta	1.95E-02	1.03E-03	6.33E-04	*
AP	8	271459007	12/29/2010	Ac-228	1.25E-03	8.72E-04	3.02E-03	
AP	8	271459007	12/29/2010	Ag-108m	2.64E-05	1.38E-04	4.57E-04	
AP	8	271459007	12/29/2010	Ag-110m	-7.16E-05	1.94E-04	6.28E-04	
AP	8	271459007	12/29/2010	Ba-140	-2.56E-02	1.31E-02	1.38E-02	
AP	8	271459007	12/29/2010	Be-7	1.01E-01	9.94E-03	1.24E-02	*
AP	8	271459007	12/29/2010	Ce-141	1.92E-03	1.10E-03	3.53E-03	
AP	8	271459007	12/29/2010	Ce-144	-5.98E-04	1.01E-03	3.13E-03	
AP	8	271459007	12/29/2010	Co-57	4.27E-05	1.33E-04	4.37E-04	
AP	8	271459007	12/29/2010	Co-58	2.70E-04	3.39E-04	1.19E-03	
AP	8	271459007	12/29/2010	Co-60	-9.08E-05	1.46E-04	4.29E-04	
AP	8	271459007	12/29/2010	Cr-51	6.44E-03	9.75E-03	3.30E-02	
AP	8	271459007	12/29/2010	Cs-134	-1.97E-04	2.27E-04	6.73E-04	
AP	8	271459007	12/29/2010	Cs-137	-3.20E-05	1.82E-04	6.00E-04	
AP	8	271459007	12/29/2010	Fe-59	9.27E-04	1.08E-03	3.83E-03	
AP	8	271459007	12/29/2010	I-131	-1.74E-03	1.33E-01	0.00E+00	
AP	8	271459007	12/29/2010	La-140	-2.56E-02	1.30E-02	1.38E-02	
AP	8	271459007	12/29/2010	Mn-54	-4.03E-05	2.00E-04	6.47E-04	
AP	8	271459007	12/29/2010	Nb-95	2.45E-04	3.66E-04	1.28E-03	
AP	8	271459007	12/29/2010	Ru-103	1.22E-03	7.09E-04	2.37E-03	
AP	8	271459007	12/29/2010	Ru-106	1.43E-03	2.00E-03	6.94E-03	
AP	8	271459007	12/29/2010	Sb-124	9.68E-04	7.57E-04	3.01E-03	
AP	8	271459007	12/29/2010	Sb-125	-7.36E-05	4.05E-04	1.31E-03	
AP	8	271459007	12/29/2010	Se-75	1.26E-04	3.07E-04	1.04E-03	
AP	8	271459007	12/29/2010	Th-228	-1.26E-04	2.93E-04	1.01E-03	
AP	8	271459007	12/29/2010	Zn-65	-5.09E-04	5.11E-04	1.42E-03	
AP	8	271459007	12/29/2010	Zr-95	8.69E-04	7.67E-04	2.69E-03	
AP	9	L16086-08	1/13/2010	Gross Beta	1.25E-02	1.40E-03	3.50E-03	*
AP	9	L16136-08	1/27/2010	Gross Beta	2.26E-02	1.50E-03	3.00E-03	*
AP	9	L16186-08	2/10/2010	Gross Beta	2.00E-02	1.50E-03	3.10E-03	*
AP	9	L16222-08	2/23/2010	Gross Beta	9.20E-03	1.30E-03	3.60E-03	*
AP	9	L16280-08	3/10/2010	Gross Beta	1.34E-02	8.00E-04	1.90E-03	*
AP	9	L16326-08	3/24/2010	Gross Beta	2.21E-02	1.60E-03	3.20E-03	*
AP	9	L16412-08	3/23/2010	AcTh-228	-3.00E-04	1.10E-03	5.00E-03	
AP	9	L16412-08	3/23/2010	Ag-108m	6.00E-05	2.00E-04	8.00E-04	
AP	9	L16412-08	3/23/2010	Ag-110m	-5.70E-04	4.20E-04	2.30E-03	
AP	9	L16412-08	3/23/2010	Ba-140	0.00E+00	0.00E+00	1.40E-02	
AP	9	L16412-08	3/23/2010	Be-7	1.08E-01	1.50E-02	2.90E-02	*
AP	9	L16412-08	3/23/2010	Ce-141	1.20E-04	9.60E-04	3.60E-03	
AP	9	L16412-08	3/23/2010	Ce-144	-1.56E-03	9.90E-04	4.30E-03	
AP	9	L16412-08	3/23/2010	Co-57	-3.00E-05	1.10E-04	4.50E-04	
AP	9	L16412-08	3/23/2010	Co-58	-4.90E-04	5.00E-04	2.50E-03	
AP	9	L16412-08	3/23/2010	Co-60	-6.30E-04	3.20E-04	2.00E-03	
AP	9	L16412-08	3/23/2010	Cr-51	-9.90E-03	8.70E-03	3.80E-02	
AP	9	L16412-08	3/23/2010	Cs-134	1.10E-04	2.30E-04	1.20E-03	
AP	9	L16412-08	3/23/2010	Cs-137	-1.30E-04	1.90E-04	1.00E-03	
AP	9	L16412-08	3/23/2010	Fe-59	1.40E-03	1.00E-03	1.90E-03	
AP	9	L16412-08	3/23/2010	I-131	-2.40E-02	2.80E-02	1.20E-01	
AP	9	L16412-08	3/23/2010	K-40	-3.00E-03	4.00E-03	2.00E-02	
AP	9	L16412-08	3/23/2010	La-140	0.00E+00	0.00E+00	1.40E-02	

*** Indicated radioactivity concentration > 3 X standard deviation**
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SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m^3)	STD.DEV. (pCi/m^3)	MDC (pCi/m^3)	
AP	9	L16412-08	3/23/2010	Mn-54	-3.00E-04	3.00E-04	1.50E-03	
AP	9	L16412-08	3/23/2010	Nb-95	8.70E-04	9.90E-04	3.70E-03	
AP	9	L16412-08	3/23/2010	Ru-103	0.00E+00	6.60E-04	2.80E-03	
AP	9	L16412-08	3/23/2010	Ru-106	2.30E-03	2.90E-03	1.10E-02	
AP	9	L16412-08	3/23/2010	Sb-124	0.00E+00	1.40E-03	7.30E-03	
AP	9	L16412-08	3/23/2010	Sb-125	-7.70E-04	6.10E-04	2.90E-03	
AP	9	L16412-08	3/23/2010	Se-75	3.20E-04	3.60E-04	1.30E-03	
AP	9	L16412-08	3/23/2010	Zn-65	3.40E-04	6.00E-04	2.50E-03	
AP	9	L16412-08	3/23/2010	Zr-95	5.10E-04	9.30E-04	3.70E-03	
AP	9	L16375-08	4/7/2010	Gross Beta	1.90E-02	1.50E-03	3.30E-03	*
AP	9	L16437-08	4/21/2010	Gross Beta	1.77E-02	1.50E-03	3.40E-03	*
AP	9	L16494-08	5/5/2010	Gross Beta	2.20E-02	1.60E-03	3.30E-03	*
AP	9	L16537-08	5/19/2010	Gross Beta	1.79E-02	1.40E-03	3.00E-03	*
AP	9	L16583-08	6/1/2010	Gross Beta	1.76E-02	1.40E-03	2.90E-03	*
AP	9	L16641-08	6/16/2010	Gross Beta	1.45E-02	1.30E-03	2.80E-03	*
AP	9	L16677-08	6/30/2010	Gross Beta	2.08E-02	1.50E-03	3.00E-03	*
AP	9	L16703-08	6/30/2010	AcTh-228	1.80E-04	9.50E-04	4.20E-03	
AP	9	L16703-08	6/30/2010	Ag-108m	-1.10E-04	1.80E-04	8.80E-04	
AP	9	L16703-08	6/30/2010	Ag-110m	2.10E-04	4.80E-04	2.00E-03	
AP	9	L16703-08	6/30/2010	Ba-140	2.80E-02	1.20E-02	2.90E-02	
AP	9	L16703-08	6/30/2010	Be-7	1.59E-01	1.70E-02	2.30E-02	*
AP	9	L16703-08	6/30/2010	Ce-141	-8.00E-04	1.20E-03	4.70E-03	
AP	9	L16703-08	6/30/2010	Ce-144	-2.80E-03	1.60E-03	6.80E-03	
AP	9	L16703-08	6/30/2010	Co-57	1.50E-04	1.70E-04	6.20E-04	
AP	9	L16703-08	6/30/2010	Co-58	2.30E-04	5.10E-04	2.10E-03	
AP	9	L16703-08	6/30/2010	Co-60	0.00E+00	0.00E+00	5.10E-04	
AP	9	L16703-08	6/30/2010	Cr-51	1.90E-02	1.10E-02	3.40E-02	
AP	9	L16703-08	6/30/2010	Cs-134	-3.50E-04	2.30E-04	1.60E-03	
AP	9	L16703-08	6/30/2010	Cs-137	3.00E-05	3.10E-04	1.30E-03	
AP	9	L16703-08	6/30/2010	Fe-59	-2.00E-04	1.60E-03	7.40E-03	
AP	9	L16703-08	6/30/2010	I-131	8.00E-03	1.50E-02	5.60E-02	
AP	9	L16703-08	6/30/2010	K-40	-7.00E-04	4.40E-03	2.00E-02	
AP	9	L16703-08	6/30/2010	La-140	2.80E-02	1.20E-02	2.90E-02	
AP	9	L16703-08	6/30/2010	Mn-54	-5.60E-04	2.80E-04	1.70E-03	
AP	9	L16703-08	6/30/2010	Nb-95	-2.40E-04	7.90E-04	3.80E-03	
AP	9	L16703-08	6/30/2010	Ru-103	-1.32E-03	8.40E-04	4.10E-03	
AP	9	L16703-08	6/30/2010	Ru-106	-2.70E-03	2.20E-03	1.20E-02	
AP	9	L16703-08	6/30/2010	Sb-124	-2.00E-03	2.40E-03	1.20E-02	
AP	9	L16703-08	6/30/2010	Sb-125	-4.00E-04	6.90E-04	3.10E-03	
AP	9	L16703-08	6/30/2010	Se-75	2.20E-04	4.30E-04	1.60E-03	
AP	9	L16703-08	6/30/2010	Zn-65	-9.00E-05	8.00E-04	3.70E-03	
AP	9	L16703-08	6/30/2010	Zr-95	-8.00E-04	1.00E-03	4.90E-03	
AP	9	L16712-08	7/14/2010	Gross Beta	2.21E-02	1.60E-03	3.50E-03	*
AP	9	L16724-08	7/28/2010	Gross Beta	2.23E-02	1.50E-03	2.60E-03	*
AP	9	L16739-08	8/11/2010	Gross Beta	2.47E-02	1.60E-03	2.80E-03	*
AP	9	L16752-08	8/25/2010	Gross Beta	2.13E-02	1.50E-03	2.90E-03	*
AP	9	L16767-08	9/8/2010	Gross Beta	3.31E-02	1.70E-03	3.00E-03	*
AP	9	L16774-08	9/21/2010	Gross Beta	1.52E-02	1.40E-03	3.20E-03	*
AP	9	L16784-08	10/6/2010	AcTh-228	2.80E-04	6.80E-04	2.90E-03	
AP	9	L16784-08	10/6/2010	Ag-108m	7.00E-05	1.60E-04	6.30E-04	

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SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m^3)	STD.DEV. (pCi/m^3)	MDC (pCi/m^3)	
AP	9	L16784-08	10/6/2010	Ag-110m	2.90E-04	2.90E-04	1.10E-03	
AP	9	L16784-08	10/6/2010	Ba-140	-3.00E-03	2.10E-03	1.30E-02	
AP	9	L16784-08	10/6/2010	Be-7	1.26E-01	1.20E-02	1.70E-02	*
AP	9	L16784-08	10/6/2010	Ce-141	5.70E-04	5.50E-04	1.90E-03	
AP	9	L16784-08	10/6/2010	Ce-144	5.70E-04	8.30E-04	3.00E-03	
AP	9	L16784-08	10/6/2010	Co-57	3.00E-05	1.00E-04	3.80E-04	
AP	9	L16784-08	10/6/2010	Co-58	5.00E-05	3.20E-04	1.40E-03	
AP	9	L16784-08	10/6/2010	Co-60	2.80E-04	2.00E-04	3.80E-04	
AP	9	L16784-08	10/6/2010	Cr-51	2.00E-04	3.40E-03	1.40E-02	
AP	9	L16784-08	10/6/2010	Cs-134	-1.70E-04	2.20E-04	1.30E-03	
AP	9	L16784-08	10/6/2010	Cs-137	-1.30E-04	2.30E-04	1.00E-03	
AP	9	L16784-08	10/6/2010	Fe-59	1.31E-03	7.60E-04	1.20E-03	
AP	9	L16784-08	10/6/2010	I-131	1.00E-04	2.30E-03	9.50E-03	
AP	9	L16784-08	10/6/2010	K-40	-8.00E-04	3.50E-03	1.60E-02	
AP	9	L16784-08	10/6/2010	La-140	-3.00E-03	2.10E-03	1.30E-02	
AP	9	L16784-08	10/6/2010	Mn-54	1.30E-04	2.40E-04	9.70E-04	
AP	9	L16784-08	10/6/2010	Nb-95	-1.05E-03	5.10E-04	2.80E-03	
AP	9	L16784-08	10/6/2010	Ru-103	0.00E+00	4.60E-04	1.90E-03	
AP	9	L16784-08	10/6/2010	Ru-106	5.00E-04	1.70E-03	7.20E-03	
AP	9	L16784-08	10/6/2010	Sb-124	-1.20E-03	8.50E-04	5.80E-03	
AP	9	L16784-08	10/6/2010	Sb-125	-4.60E-04	4.60E-04	2.10E-03	
AP	9	L16784-08	10/6/2010	Se-75	1.00E-05	2.70E-04	1.10E-03	
AP	9	L16784-08	10/6/2010	Zn-65	3.80E-04	5.50E-04	2.20E-03	
AP	9	L16784-08	10/6/2010	Zr-95	-8.30E-04	5.40E-04	3.00E-03	
AP	9	L16783-08	10/6/2010	Gross Beta	1.82E-02	1.30E-03	2.70E-03	*
AP	9	265443008	10/20/2010	Gross Beta	1.68E-02	9.50E-04	7.14E-04	*
AP	9	266545008	11/3/2010	Gross Beta	2.62E-02	1.19E-03	7.19E-04	*
AP	9	267464008	11/16/2010	Gross Beta	2.14E-02	1.12E-03	6.68E-04	*
AP	9	268096008	12/1/2010	Gross Beta	3.32E-02	1.26E-03	4.61E-04	*
AP	9	268957008	12/15/2010	Gross Beta	2.31E-02	1.10E-03	6.94E-04	*
AP	9	269461008	12/29/2010	Gross Beta	2.07E-02	1.05E-03	7.69E-04	*
AP	9	271459008	12/29/2010	Ac-228	4.37E-04	5.55E-04	2.13E-03	
AP	9	271459008	12/29/2010	Ag-108m	4.51E-05	1.29E-04	4.38E-04	
AP	9	271459008	12/29/2010	Ag-110m	-1.77E-04	1.75E-04	4.84E-04	
AP	9	271459008	12/29/2010	Ba-140	-1.48E-02	1.55E-02	4.05E-02	
AP	9	271459008	12/29/2010	Be-7	7.29E-02	8.25E-03	7.94E-03	*
AP	9	271459008	12/29/2010	Ce-141	1.13E-03	8.67E-04	2.91E-03	
AP	9	271459008	12/29/2010	Ce-144	2.50E-04	8.36E-04	2.78E-03	
AP	9	271459008	12/29/2010	Co-57	-2.55E-05	1.02E-04	3.30E-04	
AP	9	271459008	12/29/2010	Co-58	1.26E-04	2.95E-04	1.03E-03	
AP	9	271459008	12/29/2010	Co-60	9.05E-05	1.84E-04	6.43E-04	
AP	9	271459008	12/29/2010	Cr-51	4.40E-03	7.25E-03	2.51E-02	
AP	9	271459008	12/29/2010	Cs-134	1.18E-04	1.87E-04	6.64E-04	
AP	9	271459008	12/29/2010	Cs-137	-4.52E-04	2.06E-04	4.98E-04	
AP	9	271459008	12/29/2010	Fe-59	1.62E-03	1.13E-03	4.18E-03	
AP	9	271459008	12/29/2010	I-131	3.08E-02	1.58E-01	0.00E+00	
AP	9	271459008	12/29/2010	La-140	-1.48E-02	1.55E-02	4.05E-02	
AP	9	271459008	12/29/2010	Mn-54	7.03E-05	1.89E-04	6.55E-04	
AP	9	271459008	12/29/2010	Nb-95	-3.39E-04	3.12E-04	8.10E-04	
AP	9	271459008	12/29/2010	Ru-103	5.64E-04	5.49E-04	1.91E-03	
AP	9	271459008	12/29/2010	Ru-106	-1.68E-03	1.67E-03	4.74E-03	

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m^3)	STD.DEV. (pCi/m^3)	MDC (pCi/m^3)
AP	9	271459008	12/29/2010	Sb-124	1.21E-03	8.78E-04	3.52E-03
AP	9	271459008	12/29/2010	Sb-125	7.86E-04	4.33E-04	1.49E-03
AP	9	271459008	12/29/2010	Se-75	-1.13E-05	2.39E-04	7.62E-04
AP	9	271459008	12/29/2010	Th-228	1.63E-04	2.65E-04	8.91E-04
AP	9	271459008	12/29/2010	Zn-65	-9.66E-05	4.21E-04	1.34E-03
AP	9	271459008	12/29/2010	Zr-95	-5.50E-04	6.39E-04	1.79E-03
CF	1	L16086-01	1/13/2010	I-131	1.80E-03	3.30E-03	1.20E-02
CF	1	L16136-01	1/27/2010	I-131	0.00E+00	2.90E-03	1.10E-02
CF	1	L16186-01	2/10/2010	I-131	1.10E-03	2.90E-03	1.10E-02
CF	1	L16222-01	2/23/2010	I-131	-6.00E-04	3.10E-03	1.30E-02
CF	1	L16280-01	3/2/2010	I-131	-2.30E-02	1.00E-02	5.20E-02
CF	1	L16326-01	3/23/2010	I-131	-5.90E-03	3.90E-03	1.70E-02
CF	1	L16375-01	4/7/2010	I-131	-1.00E-03	2.80E-03	1.20E-02
CF	1	L16437-01	4/21/2010	I-131	3.80E-03	3.40E-03	1.20E-02
CF	1	L16494-01	5/5/2010	I-131	1.70E-03	4.60E-03	1.80E-02
CF	1	L16537-01	5/19/2010	I-131	-4.80E-03	3.20E-03	1.50E-02
CF	1	L16583-01	6/1/2010	I-131	-5.20E-03	4.40E-03	1.80E-02
CF	1	L16641-01	6/16/2010	I-131	0.00E+00	4.50E-03	1.70E-02
CF	1	L16677-01	6/30/2010	I-131	2.80E-03	3.70E-03	1.30E-02
CF	1	L16712-01	7/14/2010	I-131	4.20E-03	2.70E-03	8.70E-03
CF	1	L16724-01	7/28/2010	I-131	9.00E-04	2.60E-03	9.90E-03
CF	1	L16739-01	8/11/2010	I-131	-3.90E-03	3.10E-03	1.50E-02
CF	1	L16752-01	8/25/2010	I-131	4.20E-03	3.80E-03	1.30E-02
CF	1	L16767-01	9/8/2010	I-131	-4.70E-03	3.60E-03	1.70E-02
CF	1	L16774-01	9/22/2010	I-131	5.00E-04	2.10E-03	8.80E-03
CF	1	L16783-01	10/6/2010	I-131	1.30E-03	3.50E-03	1.40E-02
CF	1	265443009	10/20/2010	I-131	6.11E-03	3.64E-03	1.32E-02
CF	1	266545009	11/3/2010	I-131	3.66E-04	2.19E-03	7.34E-03
CF	1	267464009	11/16/2010	I-131	4.37E-03	3.20E-03	1.15E-02
CF	1	268096009	12/1/2010	I-131	3.47E-03	1.97E-03	7.29E-03
CF	1	268957009	12/15/2010	I-131	5.81E-03	6.28E-03	2.34E-02
CF	1	269461009	12/29/2010	I-131	9.00E-04	4.07E-03	1.36E-02
CF	2	L16086-02	1/13/2010	I-131	-3.80E-03	3.80E-03	1.60E-02
CF	2	L16136-02	1/27/2010	I-131	2.20E-03	2.60E-03	9.20E-03
CF	2	L16186-02	2/10/2010	I-131	1.70E-03	4.10E-03	1.50E-02
CF	2	L16222-02	2/23/2010	I-131	2.00E-03	4.40E-03	1.60E-02
CF	2	L16280-02	3/10/2010	I-131	4.10E-03	4.60E-03	1.60E-02
CF	2	L16326-02	3/23/2010	I-131	-1.30E-03	4.40E-03	1.80E-02
CF	2	L16375-02	4/7/2010	I-131	2.10E-03	4.10E-03	1.50E-02
CF	2	L16437-02	4/21/2010	I-131	-2.70E-03	3.60E-03	1.40E-02
CF	2	L16494-02	5/5/2010	I-131	6.50E-03	5.10E-03	1.70E-02
CF	2	L16537-02	5/19/2010	I-131	-4.10E-03	4.00E-03	1.70E-02
CF	2	L16583-02	6/1/2010	I-131	6.70E-03	3.90E-03	1.20E-02
CF	2	L16641-02	6/16/2010	I-131	-3.90E-03	3.40E-03	1.50E-02
CF	2	L16677-02	6/30/2010	I-131	2.10E-03	3.50E-03	1.30E-02
CF	2	L16712-02	7/14/2010	I-131	1.20E-03	3.30E-03	1.20E-02
CF	2	L16724-02	7/28/2010	I-131	0.00E+00	3.50E-03	1.30E-02
CF	2	L16739-02	8/11/2010	I-131	1.20E-03	5.00E-03	1.90E-02
CF	2	L16752-02	8/25/2010	I-131	7.00E-03	4.90E-03	1.60E-02
CF	2	L16767-02	9/8/2010	I-131	2.30E-03	5.20E-03	1.90E-02

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m^3)	STD.DEV. (pCi/m^3)	MDC (pCi/m^3)
CF	2	L16774-02	9/22/2010	I-131	3.60E-03	3.40E-03	1.20E-02
CF	2	L16783-02	10/6/2010	I-131	2.10E-03	5.20E-03	1.90E-02
CF	2	265443010	10/20/2010	I-131	1.56E-04	2.62E-03	8.78E-03
CF	2	266545010	11/3/2010	I-131	3.57E-03	2.78E-03	9.94E-03
CF	2	267464010	11/16/2010	I-131	-6.38E-04	3.03E-03	9.72E-03
CF	2	268096010	12/1/2010	I-131	-1.66E-05	2.16E-03	7.21E-03
CF	2	268957010	12/15/2010	I-131	6.86E-04	6.01E-03	2.07E-02
CF	2	269461010	12/29/2010	I-131	-6.99E-03	6.61E-03	1.85E-02
CF	3	L16086-03	1/13/2010	I-131	-4.90E-03	4.20E-03	1.80E-02
CF	3	L16136-03	1/27/2010	I-131	-3.30E-03	2.90E-03	1.30E-02
CF	3	L16186-03	2/10/2010	I-131	-2.00E-03	2.90E-03	1.20E-02
CF	3	L16222-03	2/23/2010	I-131	4.60E-03	4.40E-03	1.50E-02
CF	3	L16280-03	3/10/2010	I-131	4.80E-03	5.10E-03	1.80E-02
CF	3	L16326-03	3/24/2010	I-131	3.50E-03	5.50E-03	2.00E-02
CF	3	L16375-03	4/7/2010	I-131	8.00E-04	4.00E-03	1.50E-02
CF	3	L16437-03	4/21/2010	I-131	-4.80E-03	3.30E-03	1.40E-02
CF	3	L16494-03	5/5/2010	I-131	0.00E+00	6.50E-03	2.40E-02
CF	3	L16537-03	5/19/2010	I-131	-5.20E-03	3.50E-03	1.60E-02
CF	3	L16583-03	6/1/2010	I-131	-5.40E-03	4.70E-03	2.10E-02
CF	3	L16641-03	6/16/2010	I-131	9.20E-03	3.90E-03	1.10E-02
CF	3	L16663-03	6/23/2010	I-131	5.00E-03	7.90E-03	2.80E-02
CF	3	L16677-03	6/30/2010	I-131	3.70E-03	4.30E-03	1.60E-02
CF	3	L16694-03	7/7/2010	I-131	7.30E-03	7.00E-03	2.40E-02
CF	3	L16712-03	7/14/2010	I-131	-7.30E-03	4.90E-03	2.40E-02
CF	3	L16719-03	7/21/2010	I-131	2.50E-03	5.70E-03	2.10E-02
CF	3	L16724-03	7/28/2010	I-131	-2.50E-03	3.60E-03	1.50E-02
CF	3	L16738-03	8/4/2010	I-131	3.00E-03	1.10E-02	4.10E-02
CF	3	L16739-03	8/11/2010	I-131	1.40E-03	7.00E-03	2.60E-02
CF	3	L16749-03	8/18/2010	I-131	-8.00E-04	5.90E-03	2.40E-02
CF	3	L16752-03	8/25/2010	I-131	4.20E-03	6.30E-03	2.30E-02
CF	3	L16761-03	9/1/2010	I-131	-1.30E-03	7.60E-03	2.90E-02
CF	3	L16767-03	9/8/2010	I-131	0.00E+00	7.00E-03	2.70E-02
CF	3	L16771-03	9/15/2010	I-131	-7.90E-03	6.40E-03	2.70E-02
CF	3	L16774-03	9/22/2010	I-131	-6.20E-03	4.20E-03	2.00E-02
CF	3	L16781-03	9/29/2010	I-131	3.00E-04	5.20E-03	2.10E-02
CF	3	L16783-03	10/7/2010	I-131	-2.20E-03	5.30E-03	2.10E-02
CF	3	265443011	10/20/2010	I-131	2.17E-03	4.36E-03	1.49E-02
CF	3	266545011	11/3/2010	I-131	-2.77E-03	2.41E-03	7.08E-03
CF	3	267464011	11/16/2010	I-131	4.31E-03	3.22E-03	1.14E-02
CF	3	268096011	12/1/2010	I-131	-3.04E-03	2.67E-03	7.99E-03
CF	3	268957011	12/15/2010	I-131	-3.00E-03	7.97E-03	2.44E-02
CF	3	269461011	12/29/2010	I-131	9.59E-03	5.39E-03	2.20E-02
CF	4	L16086-04	1/13/2010	I-131	6.50E-03	4.20E-03	1.40E-02
CF	4	L16136-04	1/27/2010	I-131	-2.60E-03	2.80E-03	1.10E-02
CF	4	L16186-04	2/10/2010	I-131	1.80E-03	3.00E-03	1.10E-02
CF	4	L16222-04	2/23/2010	I-131	-3.00E-03	3.50E-03	1.50E-02
CF	4	L16280-04	2/25/2010	I-131	1.60E-02	1.90E-02	6.70E-02
CF	4	L16326-04	3/24/2010	I-131	2.00E-02	1.60E-02	5.50E-02
CF	4	L16375-04	4/7/2010	I-131	7.00E-04	3.80E-03	1.40E-02
CF	4	L16437-04	4/21/2010	I-131	-2.20E-03	3.50E-03	1.40E-02
CF	4	L16494-04	5/5/2010	I-131	-5.50E-03	4.80E-03	2.00E-02

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m^3)	STD.DEV. (pCi/m^3)	MDC (pCi/m^3)
CF	4	L16537-04	5/19/2010	I-131	1.10E-03	5.20E-03	2.00E-02
CF	4	L16583-04	6/1/2010	I-131	7.10E-03	5.90E-03	2.00E-02
CF	4	L16641-04	6/16/2010	I-131	-1.10E-03	4.00E-03	1.70E-02
CF	4	L16677-04	6/30/2010	I-131	-1.40E-03	4.10E-03	1.60E-02
CF	4	L16712-04	7/14/2010	I-131	-2.10E-03	4.30E-03	1.80E-02
CF	4	L16724-04	7/28/2010	I-131	4.00E-04	1.70E-03	7.00E-03
CF	4	L16739-04	8/11/2010	I-131	-1.90E-03	3.20E-03	1.40E-02
CF	4	L16752-04	8/25/2010	I-131	4.30E-03	3.90E-03	1.40E-02
CF	4	L16767-04	9/8/2010	I-131	1.30E-03	3.80E-03	1.50E-02
CF	4	L16774-04	9/22/2010	I-131	-9.00E-03	4.00E-03	1.90E-02
CF	4	L16783-04	10/6/2010	I-131	-1.90E-03	3.90E-03	1.60E-02
CF	4	265443012	10/20/2010	I-131	1.50E-03	3.06E-03	1.07E-02
CF	4	266545012	11/3/2010	I-131	1.75E-03	2.59E-03	8.86E-03
CF	4	267464012	11/16/2010	I-131	2.55E-03	3.18E-03	1.13E-02
CF	4	268096012	12/1/2010	I-131	-1.29E-03	1.85E-03	5.66E-03
CF	4	268957012	12/15/2010	I-131	5.24E-03	5.41E-03	2.04E-02
CF	4	269461012	12/29/2010	I-131	-1.16E-03	6.08E-03	1.97E-02
CF	5	L16086-05	1/13/2010	I-131	7.90E-03	3.90E-03	1.20E-02
CF	5	L16136-05	1/27/2010	I-131	-5.00E-04	2.40E-03	9.30E-03
CF	5	L16186-05	2/10/2010	I-131	-2.30E-03	2.30E-03	1.10E-02
CF	5	L16222-05	2/23/2010	I-131	-6.20E-03	5.30E-03	2.20E-02
CF	5	L16280-05	3/10/2010	I-131	-6.50E-03	2.80E-03	1.50E-02
CF	5	L16326-05	3/24/2010	I-131	-3.80E-03	4.00E-03	1.60E-02
CF	5	L16375-05	4/7/2010	I-131	2.40E-03	3.60E-03	1.30E-02
CF	5	L16437-05	4/21/2010	I-131	5.00E-04	4.10E-03	1.60E-02
CF	5	L16494-05	5/5/2010	I-131	1.10E-03	5.60E-03	2.20E-02
CF	5	L16537-05	5/19/2010	I-131	6.20E-03	5.00E-03	1.70E-02
CF	5	L16583-05	6/1/2010	I-131	2.00E-03	5.00E-03	1.80E-02
CF	5	L16641-05	6/16/2010	I-131	0.00E+00	3.00E-03	1.20E-02
CF	5	L16677-05	6/30/2010	I-131	4.00E-04	4.00E-03	1.50E-02
CF	5	L16712-05	7/14/2010	I-131	0.00E+00	2.90E-03	1.20E-02
CF	5	L16724-05	7/28/2010	I-131	-4.00E-03	2.80E-03	1.30E-02
CF	5	L16739-05	8/11/2010	I-131	-6.70E-03	4.50E-03	2.00E-02
CF	5	L16752-05	8/25/2010	I-131	2.20E-03	5.00E-03	1.90E-02
CF	5	L16767-05	9/8/2010	I-131	-6.80E-03	4.20E-03	2.00E-02
CF	5	L16774-05	9/22/2010	I-131	-2.30E-03	2.30E-03	1.10E-02
CF	5	L16783-05	10/6/2010	I-131	-4.10E-03	4.90E-03	2.00E-02
CF	5	265443013	10/20/2010	I-131	-1.16E-03	2.70E-03	8.29E-03
CF	5	266545013	11/3/2010	I-131	-1.05E-03	2.12E-03	6.97E-03
CF	5	267464013	11/16/2010	I-131	5.13E-03	2.62E-03	9.73E-03
CF	5	268096013	12/1/2010	I-131	7.36E-05	1.73E-03	5.66E-03
CF	5	268957013	12/15/2010	I-131	4.47E-03	5.75E-03	2.11E-02
CF	5	269461013	12/29/2010	I-131	-7.67E-03	5.45E-03	1.28E-02
CF	7	L16086-06	1/13/2010	I-131	8.00E-04	3.60E-03	1.40E-02
CF	7	L16136-06	1/27/2010	I-131	-1.10E-03	2.10E-03	9.20E-03
CF	7	L16186-06	2/10/2010	I-131	-1.80E-03	4.20E-03	1.70E-02
CF	7	L16222-06	2/23/2010	I-131	-8.00E-04	3.60E-03	1.40E-02
CF	7	L16280-06	3/10/2010	I-131	4.80E-03	4.20E-03	1.40E-02
CF	7	L16326-06	3/24/2010	I-131	-3.20E-03	4.00E-03	1.70E-02
CF	7	L16375-06	4/7/2010	I-131	0.00E+00	4.10E-03	1.60E-02
CF	7	L16437-06	4/21/2010	I-131	2.20E-03	5.10E-03	1.90E-02

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m^3)	STD.DEV. (pCi/m^3)	MDC (pCi/m^3)
CF	7	L16494-06	5/5/2010	I-131	0.00E+00	3.80E-03	1.60E-02
CF	7	L16537-06	5/19/2010	I-131	3.50E-03	2.90E-03	9.80E-03
CF	7	L16583-06	6/1/2010	I-131	1.00E-03	4.60E-03	1.70E-02
CF	7	L16641-06	6/16/2010	I-131	-1.40E-03	3.80E-03	1.60E-02
CF	7	L16677-06	6/30/2010	I-131	-9.00E-04	5.00E-03	1.90E-02
CF	7	L16712-06	7/14/2010	I-131	0.00E+00	5.20E-03	2.00E-02
CF	7	L16724-06	7/28/2010	I-131	-1.00E-03	2.30E-03	9.20E-03
CF	7	L16739-06	8/11/2010	I-131	5.10E-03	4.30E-03	1.50E-02
CF	7	L16752-06	8/25/2010	I-131	-8.00E-04	3.70E-03	1.50E-02
CF	7	L16767-06	9/8/2010	I-131	-4.30E-03	4.30E-03	1.80E-02
CF	7	L16774-06	9/22/2010	I-131	4.50E-03	3.20E-03	1.10E-02
CF	7	L16783-06	10/6/2010	I-131	-5.40E-03	4.00E-03	1.70E-02
CF	7	265443014	10/20/2010	I-131	5.29E-03	2.33E-03	8.91E-03
CF	7	266545014	11/3/2010	I-131	2.22E-03	2.01E-03	7.28E-03
CF	7	267464014	11/16/2010	I-131	-3.41E-03	2.34E-03	6.88E-03
CF	7	268096014	12/1/2010	I-131	-1.60E-03	2.09E-03	6.62E-03
CF	7	268957014	12/15/2010	I-131	-5.14E-03	6.04E-03	1.70E-02
CF	7	269461014	12/29/2010	I-131	-5.38E-03	6.41E-03	1.94E-02
CF	8	L16086-07	1/13/2010	I-131	-2.20E-03	5.20E-03	2.00E-02
CF	8	L16136-07	1/27/2010	I-131	1.10E-03	3.40E-03	1.30E-02
CF	8	L16186-07	2/10/2010	I-131	1.30E-03	3.50E-03	1.30E-02
CF	8	L16222-07	2/23/2010	I-131	1.30E-03	3.70E-03	1.40E-02
CF	8	L16280-07	3/2/2010	I-131	1.80E-02	1.40E-02	4.80E-02
CF	8	L16326-07	3/24/2010	I-131	-3.50E-03	5.30E-03	2.20E-02
CF	8	L16375-07	4/7/2010	I-131	-5.80E-03	4.50E-03	2.00E-02
CF	8	L16437-07	4/21/2010	I-131	1.70E-03	4.40E-03	1.60E-02
CF	8	L16494-07	5/5/2010	I-131	8.50E-03	5.60E-03	1.80E-02
CF	8	L16537-07	5/19/2010	I-131	2.20E-03	3.90E-03	1.50E-02
CF	8	L16583-07	6/1/2010	I-131	-8.00E-04	6.10E-03	2.50E-02
CF	8	L16641-07	6/16/2010	I-131	-1.10E-03	3.40E-03	1.50E-02
CF	8	L16677-07	6/30/2010	I-131	-2.70E-03	4.00E-03	1.60E-02
CF	8	L16712-07	7/14/2010	I-131	3.20E-03	3.70E-03	1.30E-02
CF	8	L16724-07	7/28/2010	I-131	5.10E-03	2.50E-03	7.20E-03
CF	8	L16739-07	8/11/2010	I-131	-2.00E-04	4.50E-03	1.80E-02
CF	8	L16752-07	8/25/2010	I-131	1.30E-03	3.80E-03	1.50E-02
CF	8	L16767-07	9/8/2010	I-131	4.70E-03	3.70E-03	1.30E-02
CF	8	L16774-07	9/22/2010	I-131	5.10E-03	3.30E-03	1.10E-02
CF	8	L16783-07	10/6/2010	I-131	-5.00E-03	3.60E-03	1.70E-02
CF	8	265443015	10/20/2010	I-131	-1.95E-03	2.39E-03	7.50E-03
CF	8	266545015	11/3/2010	I-131	1.62E-03	2.13E-03	7.50E-03
CF	8	267464015	11/16/2010	I-131	9.07E-04	3.07E-03	1.03E-02
CF	8	268096015	12/1/2010	I-131	3.75E-03	2.68E-03	9.53E-03
CF	8	268957015	12/15/2010	I-131	-4.40E-03	4.71E-03	1.33E-02
CF	8	269461015	12/29/2010	I-131	-3.46E-03	5.70E-03	1.70E-02
CF	9	L16086-08	1/13/2010	I-131	0.00E+00	3.50E-03	1.30E-02
CF	9	L16136-08	1/27/2010	I-131	2.70E-03	2.80E-03	9.60E-03
CF	9	L16186-08	2/10/2010	I-131	-6.00E-04	3.40E-03	1.30E-02
CF	9	L16222-08	2/23/2010	I-131	-1.10E-03	4.90E-03	1.90E-02
CF	9	L16280-08	3/10/2010	I-131	4.20E-03	4.20E-03	1.50E-02
CF	9	L16326-08	3/24/2010	I-131	1.70E-03	4.40E-03	1.60E-02
CF	9	L16375-08	4/7/2010	I-131	1.70E-03	4.50E-03	1.70E-02

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m^3)	STD.DEV. (pCi/m^3)	MDC (pCi/m^3)
CF	9	L16437-08	4/21/2010	I-131	1.80E-03	4.60E-03	1.80E-02
CF	9	L16494-08	5/5/2010	I-131	4.00E-03	5.10E-03	1.80E-02
CF	9	L16537-08	5/19/2010	I-131	-1.50E-03	3.20E-03	1.30E-02
CF	9	L16583-08	6/1/2010	I-131	-9.40E-03	4.20E-03	2.40E-02
CF	9	L16641-08	6/16/2010	I-131	-5.40E-03	3.50E-03	1.50E-02
CF	9	L16677-08	6/30/2010	I-131	-3.70E-03	3.80E-03	1.60E-02
CF	9	L16712-08	7/14/2010	I-131	1.60E-03	4.20E-03	1.50E-02
CF	9	L16724-08	7/28/2010	I-131	1.40E-03	2.60E-03	9.80E-03
CF	9	L16739-08	8/11/2010	I-131	0.00E+00	4.60E-03	1.80E-02
CF	9	L16752-08	8/25/2010	I-131	1.20E-03	5.30E-03	2.00E-02
CF	9	L16767-08	9/8/2010	I-131	9.00E-04	3.90E-03	1.50E-02
CF	9	L16774-08	9/21/2010	I-131	-6.10E-03	3.80E-03	1.80E-02
CF	9	L16783-08	10/6/2010	I-131	4.10E-03	4.80E-03	1.70E-02
CF	9	265443016	10/20/2010	I-131	-5.37E-04	2.25E-03	7.28E-03
CF	9	266545016	11/3/2010	I-131	-1.83E-03	1.98E-03	6.29E-03
CF	9	267464016	11/16/2010	I-131	1.71E-03	2.12E-03	7.71E-03
CF	9	268096016	12/1/2010	I-131	6.95E-05	1.91E-03	6.50E-03
CF	9	268957016	12/15/2010	I-131	-1.61E-03	6.22E-03	1.95E-02
CF	9	269461016	12/29/2010	I-131	1.78E-03	4.60E-03	1.62E-02

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	
FH	3	L16247-01	2/22/2010	AcTh-228	-3.00E+01	1.10E+02	4.10E+02	
FH	3	L16247-03	2/22/2010	AcTh-228	-5.40E+01	8.90E+01	3.40E+02	
FH	3	L16247-03	2/22/2010	Ag-108m	-4.00E+00	1.70E+01	6.40E+01	
FH	3	L16247-01	2/22/2010	Ag-108m	1.00E+01	1.80E+01	6.20E+01	
FH	3	L16247-03	2/22/2010	Ag-110m	-2.60E+01	2.80E+01	1.10E+02	
FH	3	L16247-01	2/22/2010	Ag-110m	-5.20E+01	2.40E+01	1.20E+02	
FH	3	L16247-03	2/22/2010	Ba-140	-4.10E+01	4.20E+01	1.80E+02	
FH	3	L16247-01	2/22/2010	Ba-140	-2.80E+01	6.00E+01	2.40E+02	
FH	3	L16247-03	2/22/2010	Be-7	-1.40E+02	2.00E+02	7.40E+02	
FH	3	L16247-01	2/22/2010	Be-7	5.10E+02	1.90E+02	5.80E+02	
FH	3	L16247-03	2/22/2010	Ce-141	-8.00E+00	2.70E+01	9.60E+01	
FH	3	L16247-01	2/22/2010	Ce-141	-6.70E+01	2.20E+01	9.00E+01	
FH	3	L16247-01	2/22/2010	Ce-144	9.00E+00	7.40E+01	2.70E+02	
FH	3	L16247-03	2/22/2010	Ce-144	-1.02E+02	9.20E+01	3.40E+02	
FH	3	L16247-03	2/22/2010	Co-57	7.00E+00	1.20E+01	4.20E+01	
FH	3	L16247-01	2/22/2010	Co-57	1.90E+01	1.00E+01	3.30E+01	
FH	3	L16247-03	2/22/2010	Co-58	3.00E+01	2.30E+01	7.50E+01	
FH	3	L16247-01	2/22/2010	Co-58	-3.40E+01	2.50E+01	1.10E+02	
FH	3	L16247-01	2/22/2010	Co-60	2.60E+01	3.10E+01	1.10E+02	
FH	3	L16247-03	2/22/2010	Co-60	-5.00E+00	2.20E+01	8.80E+01	
FH	3	L16247-01	2/22/2010	Cr-51	2.00E+01	1.90E+02	6.70E+02	
FH	3	L16247-03	2/22/2010	Cr-51	-1.50E+02	2.00E+02	7.20E+02	
FH	3	L16247-03	2/22/2010	Cs-134	-4.10E+01	1.70E+01	9.20E+01	
FH	3	L16247-01	2/22/2010	Cs-134	-2.60E+01	1.60E+01	8.10E+01	
FH	3	L16247-01	2/22/2010	Cs-137	-3.00E+00	3.00E+01	1.10E+02	
FH	3	L16247-03	2/22/2010	Cs-137	-1.40E+01	1.90E+01	7.50E+01	
FH	3	L16247-01	2/22/2010	Fe-59	1.02E+02	4.90E+01	1.50E+02	
FH	3	L16247-03	2/22/2010	Fe-59	5.90E+01	5.20E+01	1.80E+02	
FH	3	L16247-03	2/22/2010	I-131	7.00E+01	4.40E+01	1.40E+02	
FH	3	L16247-01	2/22/2010	I-131	2.30E+01	4.20E+01	1.50E+02	
FH	3	L16247-03	2/22/2010	K-40	2.30E+03	4.80E+02	1.20E+03	*
FH	3	L16247-01	2/22/2010	K-40	3.72E+03	6.10E+02	1.40E+03	*
FH	3	L16247-03	2/22/2010	La-140	-4.10E+01	4.20E+01	1.80E+02	
FH	3	L16247-01	2/22/2010	La-140	-2.80E+01	6.00E+01	2.40E+02	
FH	3	L16247-03	2/22/2010	Mn-54	4.00E+00	2.10E+01	7.90E+01	
FH	3	L16247-01	2/22/2010	Mn-54	-2.30E+01	2.40E+01	9.70E+01	
FH	3	L16247-03	2/22/2010	Nb-95	-2.60E+01	2.80E+01	1.10E+02	
FH	3	L16247-01	2/22/2010	Nb-95	-2.00E+01	2.80E+01	1.10E+02	
FH	3	L16247-03	2/22/2010	Ru-103	1.00E+00	2.00E+01	7.40E+01	
FH	3	L16247-01	2/22/2010	Ru-103	-1.40E+01	2.50E+01	9.40E+01	
FH	3	L16247-03	2/22/2010	Ru-106	2.00E+01	2.00E+02	7.10E+02	
FH	3	L16247-01	2/22/2010	Ru-106	2.70E+02	2.20E+02	7.50E+02	
FH	3	L16247-01	2/22/2010	Sb-124	1.80E+01	6.10E+01	2.40E+02	
FH	3	L16247-03	2/22/2010	Sb-124	3.30E+01	4.30E+01	1.60E+02	
FH	3	L16247-01	2/22/2010	Sb-125	-1.60E+01	5.60E+01	2.10E+02	
FH	3	L16247-03	2/22/2010	Sb-125	7.00E+00	5.40E+01	1.90E+02	
FH	3	L16247-03	2/22/2010	Se-75	-1.20E+01	2.70E+01	9.60E+01	
FH	3	L16247-01	2/22/2010	Se-75	-7.00E+00	2.10E+01	7.80E+01	
FH	3	L16247-03	2/22/2010	Zn-65	-4.40E+01	4.80E+01	1.90E+02	
FH	3	L16247-01	2/22/2010	Zn-65	5.60E+01	5.80E+01	2.00E+02	

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	
FH	3	L16247-03	2/22/2010	Zr-95	0.00E+00	4.10E+01	1.50E+02	
FH	3	L16247-01	2/22/2010	Zr-95	8.00E+00	5.30E+01	1.90E+02	
FH	3	L16558-01	5/17/2010	AcTh-228	3.70E+01	3.30E+01	1.10E+02	
FH	3	L16558-01	5/17/2010	Ag-108m	-8.00E-01	6.60E+00	2.40E+01	
FH	3	L16558-01	5/17/2010	Ag-110m	-7.00E+00	1.10E+01	4.20E+01	
FH	3	L16558-01	5/17/2010	Ba-140	2.20E+01	2.70E+01	9.80E+01	
FH	3	L16558-01	5/17/2010	Be-7	1.02E+02	7.70E+01	2.60E+02	
FH	3	L16558-01	5/17/2010	Ce-141	3.00E+00	1.20E+01	4.30E+01	
FH	3	L16558-01	5/17/2010	Ce-144	-2.70E+01	3.20E+01	1.20E+02	
FH	3	L16558-01	5/17/2010	Co-57	-1.00E-01	4.10E+00	1.50E+01	
FH	3	L16558-01	5/17/2010	Co-58	0.00E+00	8.50E+00	3.20E+01	
FH	3	L16558-01	5/17/2010	Co-60	4.10E+00	8.30E+00	3.10E+01	
FH	3	L16558-01	5/17/2010	Cr-51	5.20E+01	7.90E+01	2.70E+02	
FH	3	L16558-01	5/17/2010	Cs-134	1.42E+01	5.90E+00	2.60E+01	
FH	3	L16558-01	5/17/2010	Cs-137	1.90E+01	1.00E+01	3.20E+01	
FH	3	L16558-01	5/17/2010	Fe-59	-1.60E+01	2.40E+01	9.40E+01	
FH	3	L16558-01	5/17/2010	I-131	-9.60E+01	4.00E+01	1.70E+02	
FH	3	L16558-01	5/17/2010	K-40	3.40E+03	2.80E+02	4.60E+02	*
FH	3	L16558-01	5/17/2010	La-140	2.20E+01	2.70E+01	9.80E+01	
FH	3	L16558-01	5/17/2010	Mn-54	7.00E+00	7.90E+00	2.80E+01	
FH	3	L16558-01	5/17/2010	Nb-95	-6.00E+00	1.30E+01	4.90E+01	
FH	3	L16558-01	5/17/2010	Ru-103	-8.00E+00	1.00E+01	3.90E+01	
FH	3	L16558-01	5/17/2010	Ru-106	-9.50E+01	7.00E+01	2.80E+02	
FH	3	L16558-01	5/17/2010	Sb-124	2.40E+01	2.30E+01	8.00E+01	
FH	3	L16558-01	5/17/2010	Sb-125	-1.80E+01	2.10E+01	8.00E+01	
FH	3	L16558-01	5/17/2010	Se-75	1.70E+00	8.50E+00	3.00E+01	
FH	3	L16558-01	5/17/2010	Zn-65	7.00E+00	1.90E+01	6.90E+01	
FH	3	L16558-01	5/17/2010	Zr-95	1.00E+01	1.70E+01	6.00E+01	
FH	3	L16766-01	8/30/2010	AcTh-228	5.10E+01	6.00E+01	2.20E+02	
FH	3	L16766-01	8/30/2010	Ag-108m	-1.10E+01	1.30E+01	5.60E+01	
FH	3	L16766-01	8/30/2010	Ag-110m	7.00E+00	1.90E+01	7.90E+01	
FH	3	L16766-01	8/30/2010	Ba-140	6.50E+01	5.10E+01	1.70E+02	
FH	3	L16766-01	8/30/2010	Be-7	1.40E+02	1.20E+02	4.20E+02	
FH	3	L16766-01	8/30/2010	Ce-141	3.40E+01	2.40E+01	7.90E+01	
FH	3	L16766-01	8/30/2010	Ce-144	6.20E+01	6.00E+01	2.10E+02	
FH	3	L16766-01	8/30/2010	Co-57	2.70E+00	6.80E+00	2.50E+01	
FH	3	L16766-01	8/30/2010	Co-58	-1.30E+01	1.50E+01	7.20E+01	
FH	3	L16766-01	8/30/2010	Co-60	-2.20E+01	1.60E+01	8.90E+01	
FH	3	L16766-01	8/30/2010	Cr-51	-1.30E+02	1.50E+02	6.20E+02	
FH	3	L16766-01	8/30/2010	Cs-134	-4.00E+00	1.10E+01	4.90E+01	
FH	3	L16766-01	8/30/2010	Cs-137	1.30E+01	2.10E+01	7.60E+01	
FH	3	L16766-01	8/30/2010	Fe-59	-2.50E+01	5.00E+01	2.10E+02	
FH	3	L16766-01	8/30/2010	I-131	4.80E+01	4.40E+01	1.50E+02	
FH	3	L16766-01	8/30/2010	K-40	2.96E+03	5.30E+02	1.00E+03	*
FH	3	L16766-01	8/30/2010	La-140	6.50E+01	5.10E+01	1.70E+02	
FH	3	L16766-01	8/30/2010	Mn-54	0.00E+00	1.00E+01	4.60E+01	
FH	3	L16766-01	8/30/2010	Nb-95	-2.00E+01	2.80E+01	1.10E+02	
FH	3	L16766-01	8/30/2010	Ru-103	-2.70E+01	1.80E+01	8.30E+01	
FH	3	L16766-01	8/30/2010	Ru-106	-1.30E+02	1.60E+02	6.80E+02	
FH	3	L16766-01	8/30/2010	Sb-124	-2.10E+01	2.10E+01	1.60E+02	
FH	3	L16766-01	8/30/2010	Sb-125	9.00E+00	4.40E+01	1.70E+02	

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	
FH	3	L16766-01	8/30/2010	Se-75	-4.00E+00	1.60E+01	6.10E+01	
FH	3	L16766-01	8/30/2010	Zn-65	-6.00E+01	5.40E+01	2.30E+02	
FH	3	L16766-01	8/30/2010	Zr-95	2.40E+01	2.90E+01	1.10E+02	
FH	3	L16766-03	8/30/2010	AcTh-228	6.00E+01	4.90E+01	1.70E+02	
FH	3	L16766-03	8/30/2010	Ag-108m	1.45E+01	8.70E+00	2.80E+01	
FH	3	L16766-03	8/30/2010	Ag-110m	0.00E+00	1.60E+01	6.10E+01	
FH	3	L16766-03	8/30/2010	Ba-140	6.50E+01	3.30E+01	9.90E+01	
FH	3	L16766-03	8/30/2010	Be-7	-7.00E+01	1.10E+02	4.30E+02	
FH	3	L16766-03	8/30/2010	Ce-141	1.40E+01	2.10E+01	7.10E+01	
FH	3	L16766-03	8/30/2010	Ce-144	-1.40E+01	5.80E+01	2.10E+02	
FH	3	L16766-03	8/30/2010	Co-57	1.60E+01	7.60E+00	2.40E+01	
FH	3	L16766-03	8/30/2010	Co-58	5.00E+00	1.20E+01	4.30E+01	
FH	3	L16766-03	8/30/2010	Co-60	-6.00E+00	1.80E+01	6.80E+01	
FH	3	L16766-03	8/30/2010	Cr-51	-1.00E+02	1.20E+02	4.70E+02	
FH	3	L16766-03	8/30/2010	Cs-134	-3.00E+00	1.00E+01	5.00E+01	
FH	3	L16766-03	8/30/2010	Cs-137	4.00E+00	1.00E+01	3.90E+01	
FH	3	L16766-03	8/30/2010	Fe-59	-8.00E+00	3.00E+01	1.20E+02	
FH	3	L16766-03	8/30/2010	I-131	-5.00E+01	4.40E+01	1.70E+02	
FH	3	L16766-03	8/30/2010	K-40	3.17E+03	3.50E+02	5.60E+02	*
FH	3	L16766-03	8/30/2010	La-140	6.50E+01	3.30E+01	9.90E+01	
FH	3	L16766-03	8/30/2010	Mn-54	9.00E+00	1.30E+01	4.50E+01	
FH	3	L16766-03	8/30/2010	Nb-95	1.50E+01	1.60E+01	5.50E+01	
FH	3	L16766-03	8/30/2010	Ru-103	-1.00E+00	1.40E+01	5.10E+01	
FH	3	L16766-03	8/30/2010	Ru-106	-1.46E+02	8.80E+01	3.90E+02	
FH	3	L16766-03	8/30/2010	Sb-124	9.00E+00	2.10E+01	8.60E+01	
FH	3	L16766-03	8/30/2010	Sb-125	-6.00E+00	3.30E+01	1.20E+02	
FH	3	L16766-03	8/30/2010	Se-75	1.30E+01	1.40E+01	5.00E+01	
FH	3	L16766-03	8/30/2010	Zn-65	-8.50E+01	3.70E+01	1.60E+02	
FH	3	L16766-03	8/30/2010	Zr-95	-1.30E+01	2.20E+01	9.00E+01	
FH	3	267325001	11/16/2010	Ac-228	-2.93E+01	1.33E+01	3.96E+01	
FH	3	267325001	11/16/2010	Ag-108m	3.11E-02	2.48E+00	7.94E+00	
FH	3	267325001	11/16/2010	Ag-110m	5.02E+00	5.08E+00	1.81E+01	
FH	3	267325001	11/16/2010	Ba-140	4.44E+01	3.47E+01	1.22E+02	
FH	3	267325001	11/16/2010	Be-7	-1.32E+01	2.81E+01	9.18E+01	
FH	3	267325001	11/16/2010	Bi-214	2.39E+00	8.07E+00	2.61E+01	
FH	3	267325001	11/16/2010	Ce-141	-5.56E+00	7.01E+00	2.11E+01	
FH	3	267325001	11/16/2010	Ce-144	1.62E+01	1.86E+01	6.12E+01	
FH	3	267325001	11/16/2010	Co-57	1.55E+00	2.57E+00	8.40E+00	
FH	3	267325001	11/16/2010	Co-58	4.04E+00	3.61E+00	1.27E+01	
FH	3	267325001	11/16/2010	Co-60	-1.44E-01	4.27E+00	1.38E+01	
FH	3	267325001	11/16/2010	Cr-51	4.47E+01	4.11E+01	1.41E+02	
FH	3	267325001	11/16/2010	Cs-134	-1.53E+00	3.67E+00	1.15E+01	
FH	3	267325001	11/16/2010	Cs-137	1.20E+00	3.25E+00	1.09E+01	
FH	3	267325001	11/16/2010	Fe-59	-2.09E+01	1.06E+01	3.01E+01	
FH	3	267325001	11/16/2010	I-131	-7.45E+00	2.03E+01	6.45E+01	
FH	3	267325001	11/16/2010	K-40	3.54E+03	2.30E+02	1.05E+02	*
FH	3	267325001	11/16/2010	La-140	4.76E+00	9.37E+00	3.34E+01	
FH	3	267325001	11/16/2010	Mn-54	1.12E+00	3.31E+00	1.10E+01	
FH	3	267325001	11/16/2010	Nb-95	-3.10E+00	4.35E+00	1.35E+01	
FH	3	267325001	11/16/2010	Pb-212	-7.62E+00	7.18E+00	2.54E+01	
FH	3	267325001	11/16/2010	Pb-214	8.58E+00	7.32E+00	2.46E+01	

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	
FH	3	267325001	11/16/2010	Ra-226	2.39E+00	8.07E+00	2.61E+01	
FH	3	267325001	11/16/2010	Ru-103	-7.03E-02	3.88E+00	1.30E+01	
FH	3	267325001	11/16/2010	Ru-106	2.43E+01	2.68E+01	9.35E+01	
FH	3	267325001	11/16/2010	Sb-124	-5.62E-01	7.93E+00	2.60E+01	
FH	3	267325001	11/16/2010	Sb-125	-9.44E+00	7.24E+00	2.10E+01	
FH	3	267325001	11/16/2010	Se-75	-2.89E+00	3.96E+00	1.26E+01	
FH	3	267325001	11/16/2010	Th-228	-7.62E+00	7.18E+00	2.54E+01	
FH	3	267325001	11/16/2010	Th-230	2.39E+00	8.07E+00	2.61E+01	
FH	3	267325001	11/16/2010	Tl-208	2.95E+00	4.38E+00	1.07E+01	
FH	3	267325001	11/16/2010	Zn-65	-6.20E+00	8.29E+00	2.59E+01	
FH	3	267325001	11/16/2010	Zr-95	1.08E+00	7.54E+00	2.48E+01	
FH	53	L16247-02	2/22/2010	AcTh-228	-1.30E+01	8.10E+01	3.10E+02	
FH	53	L16247-02	2/22/2010	Ag-108m	-2.30E+01	1.70E+01	6.70E+01	
FH	53	L16247-02	2/22/2010	Ag-110m	-4.50E+01	3.10E+01	1.30E+02	
FH	53	L16247-02	2/22/2010	Ba-140	-4.10E+01	3.90E+01	1.70E+02	
FH	53	L16247-02	2/22/2010	Be-7	-4.00E+01	1.90E+02	7.10E+02	
FH	53	L16247-02	2/22/2010	Ce-141	-1.00E+01	2.40E+01	8.60E+01	
FH	53	L16247-02	2/22/2010	Ce-144	-5.50E+01	7.90E+01	2.90E+02	
FH	53	L16247-02	2/22/2010	Co-57	-1.00E+00	1.10E+01	4.00E+01	
FH	53	L16247-02	2/22/2010	Co-58	-1.80E+01	2.00E+01	8.10E+01	
FH	53	L16247-02	2/22/2010	Co-60	3.00E+01	2.10E+01	7.00E+01	
FH	53	L16247-02	2/22/2010	Cr-51	-2.50E+02	1.80E+02	6.90E+02	
FH	53	L16247-02	2/22/2010	Cs-134	1.00E+01	1.50E+01	6.90E+01	
FH	53	L16247-02	2/22/2010	Cs-137	-1.50E+01	2.10E+01	8.10E+01	
FH	53	L16247-02	2/22/2010	Fe-59	4.40E+01	4.40E+01	1.50E+02	
FH	53	L16247-02	2/22/2010	I-131	1.10E+01	4.70E+01	1.70E+02	
FH	53	L16247-02	2/22/2010	K-40	2.91E+03	4.40E+02	8.30E+02	*
FH	53	L16247-02	2/22/2010	La-140	-4.10E+01	3.90E+01	1.70E+02	
FH	53	L16247-02	2/22/2010	Mn-54	1.40E+01	2.10E+01	7.60E+01	
FH	53	L16247-02	2/22/2010	Nb-95	8.00E+00	2.30E+01	8.50E+01	
FH	53	L16247-02	2/22/2010	Ru-103	-4.00E+00	2.40E+01	8.70E+01	
FH	53	L16247-02	2/22/2010	Ru-106	2.00E+01	1.70E+02	6.20E+02	
FH	53	L16247-02	2/22/2010	Sb-124	-3.30E+01	4.80E+01	2.10E+02	
FH	53	L16247-02	2/22/2010	Sb-125	-5.30E+01	5.40E+01	2.10E+02	
FH	53	L16247-02	2/22/2010	Se-75	1.90E+01	2.10E+01	7.20E+01	
FH	53	L16247-02	2/22/2010	Zn-65	-1.60E+01	5.10E+01	2.00E+02	
FH	53	L16247-02	2/22/2010	Zr-95	4.40E+01	3.40E+01	1.20E+02	
FH	53	L16558-02	5/18/2010	AcTh-228	3.60E+01	3.10E+01	1.10E+02	
FH	53	L16558-02	5/18/2010	Ag-108m	2.00E+00	5.40E+00	1.90E+01	
FH	53	L16558-02	5/18/2010	Ag-110m	-1.00E+01	1.10E+01	4.30E+01	
FH	53	L16558-02	5/18/2010	Ba-140	-1.20E+01	2.60E+01	1.10E+02	
FH	53	L16558-02	5/18/2010	Be-7	-2.90E+01	7.40E+01	2.70E+02	
FH	53	L16558-02	5/18/2010	Ce-141	1.40E+01	1.20E+01	3.90E+01	
FH	53	L16558-02	5/18/2010	Ce-144	-4.00E+01	3.00E+01	1.10E+02	
FH	53	L16558-02	5/18/2010	Co-57	8.00E-01	3.30E+00	1.20E+01	
FH	53	L16558-02	5/18/2010	Co-58	1.59E+01	8.20E+00	2.60E+01	
FH	53	L16558-02	5/18/2010	Co-60	9.80E+00	8.50E+00	2.90E+01	
FH	53	L16558-02	5/18/2010	Cr-51	-4.90E+01	7.10E+01	2.70E+02	
FH	53	L16558-02	5/18/2010	Cs-134	8.00E-01	5.70E+00	2.90E+01	
FH	53	L16558-02	5/18/2010	Cs-137	2.20E+00	8.60E+00	3.10E+01	
FH	53	L16558-02	5/18/2010	Fe-59	1.90E+01	2.10E+01	7.50E+01	

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	
FH	53	L16558-02	5/18/2010	I-131	2.20E+01	3.30E+01	1.10E+02	
FH	53	L16558-02	5/18/2010	K-40	3.22E+03	2.70E+02	3.90E+02	*
FH	53	L16558-02	5/18/2010	La-140	-1.20E+01	2.60E+01	1.10E+02	
FH	53	L16558-02	5/18/2010	Mn-54	-4.00E+00	7.70E+00	3.00E+01	
FH	53	L16558-02	5/18/2010	Nb-95	0.00E+00	9.20E+00	3.50E+01	
FH	53	L16558-02	5/18/2010	Ru-103	7.80E+00	8.20E+00	2.90E+01	
FH	53	L16558-02	5/18/2010	Ru-106	-7.10E+01	7.40E+01	2.90E+02	
FH	53	L16558-02	5/18/2010	Sb-124	2.80E+01	2.30E+01	7.80E+01	
FH	53	L16558-02	5/18/2010	Sb-125	-7.00E+00	1.60E+01	5.90E+01	
FH	53	L16558-02	5/18/2010	Se-75	3.00E-01	6.70E+00	2.40E+01	
FH	53	L16558-02	5/18/2010	Zn-65	-1.30E+01	2.10E+01	8.20E+01	
FH	53	L16558-02	5/18/2010	Zr-95	4.00E+00	1.80E+01	6.50E+01	
FH	53	L16766-02	8/30/2010	AcTh-228	-2.40E+01	3.90E+01	1.60E+02	
FH	53	L16766-02	8/30/2010	Ag-108m	1.09E+01	7.30E+00	2.40E+01	
FH	53	L16766-02	8/30/2010	Ag-110m	-1.60E+01	1.40E+01	6.30E+01	
FH	53	L16766-02	8/30/2010	Ba-140	-1.50E+01	2.30E+01	1.20E+02	
FH	53	L16766-02	8/30/2010	Be-7	5.70E+01	7.80E+01	2.90E+02	
FH	53	L16766-02	8/30/2010	Ce-141	-1.70E+01	1.50E+01	5.90E+01	
FH	53	L16766-02	8/30/2010	Ce-144	2.00E+00	4.50E+01	1.60E+02	
FH	53	L16766-02	8/30/2010	Co-57	-7.10E+00	5.10E+00	2.00E+01	
FH	53	L16766-02	8/30/2010	Co-58	9.00E+00	1.20E+01	4.40E+01	
FH	53	L16766-02	8/30/2010	Co-60	2.00E+01	1.60E+01	5.60E+01	
FH	53	L16766-02	8/30/2010	Cr-51	6.00E+00	9.70E+01	3.60E+02	
FH	53	L16766-02	8/30/2010	Cs-134	-6.90E+00	7.00E+00	4.10E+01	
FH	53	L16766-02	8/30/2010	Cs-137	-1.20E+01	1.20E+01	5.00E+01	
FH	53	L16766-02	8/30/2010	Fe-59	-1.60E+01	3.40E+01	1.40E+02	
FH	53	L16766-02	8/30/2010	I-131	-4.80E+01	3.10E+01	1.40E+02	
FH	53	L16766-02	8/30/2010	K-40	3.94E+03	4.40E+02	7.10E+02	*
FH	53	L16766-02	8/30/2010	La-140	-1.50E+01	2.30E+01	1.20E+02	
FH	53	L16766-02	8/30/2010	Mn-54	-8.10E+00	9.80E+00	4.30E+01	
FH	53	L16766-02	8/30/2010	Nb-95	-6.00E+00	1.40E+01	5.70E+01	
FH	53	L16766-02	8/30/2010	Ru-103	2.50E+01	1.20E+01	3.50E+01	
FH	53	L16766-02	8/30/2010	Ru-106	-6.00E+01	1.10E+02	4.20E+02	
FH	53	L16766-02	8/30/2010	Sb-124	2.00E+00	2.40E+01	1.10E+02	
FH	53	L16766-02	8/30/2010	Sb-125	-1.00E+01	2.30E+01	9.30E+01	
FH	53	L16766-02	8/30/2010	Se-75	6.00E+00	1.00E+01	3.70E+01	
FH	53	L16766-02	8/30/2010	Zn-65	1.00E+00	3.20E+01	1.20E+02	
FH	53	L16766-02	8/30/2010	Zr-95	-2.00E+01	1.90E+01	8.30E+01	
FH	53	267325002	11/16/2010	Ac-228	-1.96E+01	1.35E+01	3.65E+01	
FH	53	267325002	11/16/2010	Ag-108m	2.02E+00	2.40E+00	8.07E+00	
FH	53	267325002	11/16/2010	Ag-110m	2.85E+00	4.65E+00	1.57E+01	
FH	53	267325002	11/16/2010	Ba-140	3.81E+01	3.68E+01	1.28E+02	
FH	53	267325002	11/16/2010	Be-7	-1.05E+01	2.97E+01	9.83E+01	
FH	53	267325002	11/16/2010	Bi-214	2.04E+01	8.47E+00	2.38E+01	
FH	53	267325002	11/16/2010	Ce-141	-1.34E+00	6.25E+00	2.11E+01	
FH	53	267325002	11/16/2010	Ce-144	1.34E+01	1.93E+01	6.28E+01	
FH	53	267325002	11/16/2010	Co-57	2.67E+00	2.40E+00	7.94E+00	
FH	53	267325002	11/16/2010	Co-58	-2.51E-01	3.82E+00	1.24E+01	
FH	53	267325002	11/16/2010	Co-60	-5.46E+00	3.98E+00	1.16E+01	
FH	53	267325002	11/16/2010	Cr-51	-3.34E+01	3.98E+01	1.25E+02	
FH	53	267325002	11/16/2010	Cs-134	2.02E+00	4.08E+00	1.37E+01	

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	
FH	53	267325002	11/16/2010	Cs-137	4.21E+00	3.33E+00	1.17E+01	
FH	53	267325002	11/16/2010	Fe-59	1.36E+00	9.72E+00	3.27E+01	
FH	53	267325002	11/16/2010	I-131	-3.12E+00	2.13E+01	6.85E+01	
FH	53	267325002	11/16/2010	K-40	4.03E+03	2.52E+02	1.03E+02	*
FH	53	267325002	11/16/2010	La-140	-6.98E-01	1.19E+01	3.83E+01	
FH	53	267325002	11/16/2010	Mn-54	1.80E+00	3.63E+00	1.21E+01	
FH	53	267325002	11/16/2010	Nb-95	-1.57E+00	3.65E+00	1.16E+01	
FH	53	267325002	11/16/2010	Pb-212	-6.83E+00	5.61E+00	1.76E+01	
FH	53	267325002	11/16/2010	Pb-214	2.35E+01	9.23E+00	2.54E+01	
FH	53	267325002	11/16/2010	Ra-226	2.04E+01	8.47E+00	2.38E+01	
FH	53	267325002	11/16/2010	Ru-103	-3.47E+00	3.57E+00	1.13E+01	
FH	53	267325002	11/16/2010	Ru-106	3.13E+01	2.34E+01	8.42E+01	
FH	53	267325002	11/16/2010	Sb-124	-6.04E+00	8.32E+00	2.55E+01	
FH	53	267325002	11/16/2010	Sb-125	5.77E+00	7.97E+00	2.66E+01	
FH	53	267325002	11/16/2010	Se-75	4.48E+00	4.35E+00	1.49E+01	
FH	53	267325002	11/16/2010	Th-228	-6.83E+00	5.61E+00	1.76E+01	
FH	53	267325002	11/16/2010	Th-230	2.04E+01	8.46E+00	2.38E+01	
FH	53	267325002	11/16/2010	Tl-208	1.09E+01	2.83E+00	1.12E+01	*
FH	53	267325002	11/16/2010	Zn-65	-6.06E+00	6.94E+00	2.15E+01	
FH	53	267325002	11/16/2010	Zr-95	-3.09E+00	7.16E+00	2.28E+01	
HA	4	L16580-01	5/27/2010	AcTh-228	1.20E+01	2.90E+01	1.00E+02	
HA	4	L16580-01	5/27/2010	Ag-108m	5.10E+00	5.50E+00	1.90E+01	
HA	4	L16580-01	5/27/2010	Ag-110m	0.00E+00	9.10E+00	3.40E+01	
HA	4	L16580-01	5/27/2010	Ba-140	-2.10E+01	1.60E+01	6.90E+01	
HA	4	L16580-01	5/27/2010	Be-7	5.60E+01	6.00E+01	2.10E+02	
HA	4	L16580-01	5/27/2010	Ce-141	-3.00E+00	1.10E+01	3.80E+01	
HA	4	L16580-01	5/27/2010	Ce-144	-1.70E+01	3.60E+01	1.30E+02	
HA	4	L16580-01	5/27/2010	Co-57	1.00E-01	4.50E+00	1.60E+01	
HA	4	L16580-01	5/27/2010	Co-58	2.10E+00	6.00E+00	2.20E+01	
HA	4	L16580-01	5/27/2010	Co-60	-1.47E+01	7.90E+00	3.30E+01	
HA	4	L16580-01	5/27/2010	Cr-51	7.00E+00	7.00E+01	2.50E+02	
HA	4	L16580-01	5/27/2010	Cs-134	-8.90E+00	5.40E+00	2.80E+01	
HA	4	L16580-01	5/27/2010	Cs-137	4.10E+00	6.60E+00	2.30E+01	
HA	4	L16580-01	5/27/2010	Fe-59	5.00E+00	1.50E+01	5.50E+01	
HA	4	L16580-01	5/27/2010	I-131	-2.50E+01	1.90E+01	7.30E+01	
HA	4	L16580-01	5/27/2010	K-40	2.68E+03	2.10E+02	3.60E+02	*
HA	4	L16580-01	5/27/2010	La-140	-2.10E+01	1.60E+01	6.90E+01	
HA	4	L16580-01	5/27/2010	Mn-54	-3.90E+00	8.10E+00	3.00E+01	
HA	4	L16580-01	5/27/2010	Nb-95	-1.60E+00	8.70E+00	3.20E+01	
HA	4	L16580-01	5/27/2010	Ru-103	5.80E+00	8.00E+00	2.80E+01	
HA	4	L16580-01	5/27/2010	Ru-106	-8.60E+01	6.60E+01	2.60E+02	
HA	4	L16580-01	5/27/2010	Sb-124	-1.90E+01	1.50E+01	6.70E+01	
HA	4	L16580-01	5/27/2010	Sb-125	4.00E+00	1.70E+01	6.10E+01	
HA	4	L16580-01	5/27/2010	Se-75	-2.20E+00	7.60E+00	2.70E+01	
HA	4	L16580-01	5/27/2010	Zn-65	-3.00E+00	1.60E+01	6.00E+01	
HA	4	L16580-01	5/27/2010	Zr-95	2.00E+00	1.30E+01	4.60E+01	
HA	4	267323001	11/16/2010	Ac-228	-1.30E+01	1.42E+01	4.40E+01	
HA	4	267323001	11/16/2010	Ag-108m	2.80E+00	3.33E+00	1.12E+01	
HA	4	267323001	11/16/2010	Ag-110m	1.05E+01	5.28E+00	1.96E+01	

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	
HA	4	267323001	11/16/2010	Ba-140	-5.09E+01	4.13E+01	1.25E+02	
HA	4	267323001	11/16/2010	Be-7	2.00E+01	3.30E+01	1.15E+02	
HA	4	267323001	11/16/2010	Bi-214	2.72E+00	8.73E+00	2.91E+01	
HA	4	267323001	11/16/2010	Ce-141	1.12E+00	7.39E+00	2.37E+01	
HA	4	267323001	11/16/2010	Ce-144	-2.07E+01	1.93E+01	5.90E+01	
HA	4	267323001	11/16/2010	Co-57	-3.43E+00	2.71E+00	8.31E+00	
HA	4	267323001	11/16/2010	Co-58	-1.00E+01	3.78E+00	8.78E+00	
HA	4	267323001	11/16/2010	Co-60	-2.46E-01	4.44E+00	1.45E+01	
HA	4	267323001	11/16/2010	Cr-51	-1.77E+01	4.43E+01	1.43E+02	
HA	4	267323001	11/16/2010	Cs-134	5.57E+00	3.89E+00	1.42E+01	
HA	4	267323001	11/16/2010	Cs-137	9.97E-01	3.15E+00	1.07E+01	
HA	4	267323001	11/16/2010	Fe-59	8.98E+00	1.12E+01	3.94E+01	
HA	4	267323001	11/16/2010	I-131	4.92E+01	2.26E+01	8.16E+01	
HA	4	267323001	11/16/2010	K-40	2.32E+03	1.77E+02	1.42E+02	*
HA	4	267323001	11/16/2010	La-140	-5.72E+00	9.19E+00	2.72E+01	
HA	4	267323001	11/16/2010	Mn-54	6.36E+00	3.77E+00	1.37E+01	
HA	4	267323001	11/16/2010	Nb-95	-3.91E+00	4.15E+00	1.25E+01	
HA	4	267323001	11/16/2010	Pb-212	1.04E+01	7.48E+00	2.19E+01	
HA	4	267323001	11/16/2010	Pb-214	-2.58E+00	8.15E+00	2.59E+01	
HA	4	267323001	11/16/2010	Ra-226	2.72E+00	8.73E+00	2.91E+01	
HA	4	267323001	11/16/2010	Ru-103	-1.43E+00	4.49E+00	1.49E+01	
HA	4	267323001	11/16/2010	Ru-106	-6.16E+01	3.20E+01	9.17E+01	
HA	4	267323001	11/16/2010	Sb-124	8.30E+00	9.19E+00	3.41E+01	
HA	4	267323001	11/16/2010	Sb-125	-4.57E+00	9.08E+00	2.83E+01	
HA	4	267323001	11/16/2010	Se-75	-2.50E+00	4.19E+00	1.35E+01	
HA	4	267323001	11/16/2010	Th-228	1.04E+01	7.48E+00	2.19E+01	
HA	4	267323001	11/16/2010	Th-230	2.72E+00	8.72E+00	2.91E+01	
HA	4	267323001	11/16/2010	Tl-208	-2.87E+00	4.11E+00	1.26E+01	
HA	4	267323001	11/16/2010	Zn-65	-1.03E+01	9.56E+00	2.91E+01	
HA	4	267323001	11/16/2010	Zr-95	9.20E+00	7.32E+00	2.62E+01	
HA	54	L16580-02	5/25/2010	AcTh-228	1.90E+01	3.60E+01	1.30E+02	
HA	54	L16580-02	5/25/2010	Ag-108m	3.40E+00	6.60E+00	2.40E+01	
HA	54	L16580-02	5/25/2010	Ag-110m	-2.00E+00	1.40E+01	5.40E+01	
HA	54	L16580-02	5/25/2010	Ba-140	2.10E+01	2.40E+01	8.60E+01	
HA	54	L16580-02	5/25/2010	Be-7	6.40E+01	8.90E+01	3.10E+02	
HA	54	L16580-02	5/25/2010	Ce-141	-2.10E+01	1.20E+01	4.50E+01	
HA	54	L16580-02	5/25/2010	Ce-144	-2.00E+01	3.70E+01	1.40E+02	
HA	54	L16580-02	5/25/2010	Co-57	-6.70E+00	4.10E+00	1.60E+01	
HA	54	L16580-02	5/25/2010	Co-58	-1.00E+01	1.00E+01	4.10E+01	
HA	54	L16580-02	5/25/2010	Co-60	-3.00E+00	1.10E+01	4.50E+01	
HA	54	L16580-02	5/25/2010	Cr-51	-9.10E+01	7.30E+01	2.90E+02	
HA	54	L16580-02	5/25/2010	Cs-134	1.22E+01	6.30E+00	2.90E+01	
HA	54	L16580-02	5/25/2010	Cs-137	7.00E+00	9.20E+00	3.30E+01	
HA	54	L16580-02	5/25/2010	Fe-59	-1.00E+01	1.80E+01	7.80E+01	
HA	54	L16580-02	5/25/2010	I-131	7.00E+00	2.70E+01	9.60E+01	
HA	54	L16580-02	5/25/2010	K-40	3.09E+03	3.20E+02	5.40E+02	*
HA	54	L16580-02	5/25/2010	La-140	2.10E+01	2.40E+01	8.60E+01	
HA	54	L16580-02	5/25/2010	Mn-54	-1.86E+01	9.20E+00	4.10E+01	
HA	54	L16580-02	5/25/2010	Nb-95	-3.00E+00	1.20E+01	4.70E+01	
HA	54	L16580-02	5/25/2010	Ru-103	-1.70E+00	9.80E+00	3.70E+01	
HA	54	L16580-02	5/25/2010	Ru-106	1.40E+01	8.00E+01	3.00E+02	

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	
HA	54	L16580-02	5/25/2010	Sb-124	-3.80E+01	1.70E+01	1.00E+02	
HA	54	L16580-02	5/25/2010	Sb-125	4.50E+01	2.20E+01	6.90E+01	
HA	54	L16580-02	5/25/2010	Se-75	-8.40E+00	9.40E+00	3.60E+01	
HA	54	L16580-02	5/25/2010	Zn-65	1.80E+01	2.20E+01	7.70E+01	
HA	54	L16580-02	5/25/2010	Zr-95	8.00E+00	1.80E+01	6.60E+01	
HA	54	267323002	11/16/2010	Ac-228	-5.12E+00	1.25E+01	3.85E+01	
HA	54	267323002	11/16/2010	Ag-108m	2.16E+00	2.45E+00	8.32E+00	
HA	54	267323002	11/16/2010	Ag-110m	-5.73E+00	4.23E+00	1.21E+01	
HA	54	267323002	11/16/2010	Ba-140	3.34E+01	3.32E+01	1.17E+02	
HA	54	267323002	11/16/2010	Be-7	-1.48E+01	3.06E+01	9.55E+01	
HA	54	267323002	11/16/2010	Bi-214	-8.78E+00	6.40E+00	2.01E+01	
HA	54	267323002	11/16/2010	Ce-141	4.33E+00	5.53E+00	1.83E+01	
HA	54	267323002	11/16/2010	Ce-144	-1.29E+01	1.58E+01	4.91E+01	
HA	54	267323002	11/16/2010	Co-57	1.05E+00	2.09E+00	6.87E+00	
HA	54	267323002	11/16/2010	Co-58	7.21E+00	3.99E+00	1.45E+01	
HA	54	267323002	11/16/2010	Co-60	-3.92E+00	3.33E+00	9.65E+00	
HA	54	267323002	11/16/2010	Cr-51	-3.12E+01	3.57E+01	1.13E+02	
HA	54	267323002	11/16/2010	Cs-134	-4.00E+00	3.69E+00	1.11E+01	
HA	54	267323002	11/16/2010	Cs-137	3.19E+00	2.78E+00	9.93E+00	
HA	54	267323002	11/16/2010	Fe-59	-1.85E+01	9.63E+00	2.77E+01	
HA	54	267323002	11/16/2010	I-131	3.05E+01	1.97E+01	6.91E+01	
HA	54	267323002	11/16/2010	K-40	2.33E+03	1.72E+02	9.44E+01	*
HA	54	267323002	11/16/2010	La-140	-2.51E+00	1.30E+01	4.13E+01	
HA	54	267323002	11/16/2010	Mn-54	-1.05E+00	3.31E+00	1.06E+01	
HA	54	267323002	11/16/2010	Nb-95	3.24E+00	3.35E+00	1.18E+01	
HA	54	267323002	11/16/2010	Pb-212	5.02E-02	7.13E+00	1.77E+01	
HA	54	267323002	11/16/2010	Pb-214	-6.54E+00	6.50E+00	1.99E+01	
HA	54	267323002	11/16/2010	Ra-226	-8.78E+00	6.40E+00	2.01E+01	
HA	54	267323002	11/16/2010	Ru-103	-7.25E+00	4.28E+00	1.22E+01	
HA	54	267323002	11/16/2010	Ru-106	-2.26E+01	2.20E+01	6.74E+01	
HA	54	267323002	11/16/2010	Sb-124	2.62E+00	5.32E+00	1.93E+01	
HA	54	267323002	11/16/2010	Sb-125	9.31E+00	7.72E+00	2.66E+01	
HA	54	267323002	11/16/2010	Se-75	-4.94E+00	3.63E+00	1.14E+01	
HA	54	267323002	11/16/2010	Th-228	5.02E-02	7.13E+00	1.77E+01	
HA	54	267323002	11/16/2010	Th-230	-8.78E+00	6.39E+00	2.01E+01	
HA	54	267323002	11/16/2010	Tl-208	-1.87E+00	3.21E+00	1.04E+01	
HA	54	267323002	11/16/2010	Zn-65	-1.06E+01	8.71E+00	2.68E+01	
HA	54	267323002	11/16/2010	Zr-95	-8.68E-01	6.25E+00	2.03E+01	

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	
MS	6	L16560-04	5/18/2010	Sr-90	4.70E+01	7.20E+01	2.40E+02	
MS	6	267322004	11/16/2010	Sr-89	1.05E+02	6.67E+01	1.74E+02	
MS	6	267322004	11/16/2010	Sr-90	-5.60E+00	8.46E+01	2.79E+02	
MS	56	L16560-05	5/18/2010	Sr-90	1.02E+02	6.00E+01	2.00E+02	
MS	56	267322005	11/16/2010	Sr-89	-8.77E+01	5.69E+01	1.98E+02	
MS	56	267322005	11/16/2010	Sr-90	-1.71E+01	6.55E+01	2.18E+02	
MU	6	L16560-01	5/18/2010	AcTh-228	6.00E+00	3.50E+01	1.30E+02	
MU	6	L16560-01	5/18/2010	Ag-108m	6.80E+00	5.90E+00	2.00E+01	
MU	6	L16560-01	5/18/2010	Ag-110m	-5.00E+00	1.30E+01	4.90E+01	
MU	6	L16560-01	5/18/2010	Ba-140	-3.60E+01	3.30E+01	1.50E+02	
MU	6	L16560-01	5/18/2010	Be-7	-6.00E+01	7.00E+01	2.80E+02	
MU	6	L16560-01	5/18/2010	Ce-141	-5.00E+00	1.30E+01	4.60E+01	
MU	6	L16560-01	5/18/2010	Ce-144	3.10E+01	3.50E+01	1.20E+02	
MU	6	L16560-01	5/18/2010	Co-57	-2.00E-01	4.20E+00	1.50E+01	
MU	6	L16560-01	5/18/2010	Co-58	1.39E+01	7.00E+00	2.10E+01	
MU	6	L16560-01	5/18/2010	Co-60	3.80E+00	8.10E+00	3.10E+01	
MU	6	L16560-01	5/18/2010	Cr-51	-1.50E+02	9.00E+01	3.60E+02	
MU	6	L16560-01	5/18/2010	Cs-134	3.60E+00	6.60E+00	3.30E+01	
MU	6	L16560-01	5/18/2010	Cs-137	8.90E+00	8.90E+00	3.10E+01	
MU	6	L16560-01	5/18/2010	Fe-59	0.00E+00	2.00E+01	8.00E+01	
MU	6	L16560-01	5/18/2010	I-131	-5.10E+01	4.60E+01	1.80E+02	
MU	6	L16560-01	5/18/2010	K-40	1.20E+03	1.80E+02	3.10E+02	*
MU	6	L16560-01	5/18/2010	La-140	-3.60E+01	3.30E+01	1.50E+02	
MU	6	L16560-01	5/18/2010	Mn-54	3.00E+00	8.30E+00	3.10E+01	
MU	6	L16560-01	5/18/2010	Nb-95	1.10E+01	1.20E+01	4.10E+01	
MU	6	L16560-01	5/18/2010	Ru-103	-6.00E+00	1.10E+01	4.10E+01	
MU	6	L16560-01	5/18/2010	Ru-106	9.30E+01	8.70E+01	3.00E+02	
MU	6	L16560-01	5/18/2010	Sb-124	5.10E+01	2.50E+01	7.30E+01	
MU	6	L16560-01	5/18/2010	Sb-125	-6.00E+00	2.00E+01	7.60E+01	
MU	6	L16560-01	5/18/2010	Se-75	3.30E+00	8.30E+00	2.90E+01	
MU	6	L16560-01	5/18/2010	Zn-65	-2.50E+01	1.80E+01	7.80E+01	
MU	6	L16560-01	5/18/2010	Zr-95	-4.00E+00	1.50E+01	5.90E+01	
MU	6	267322001	11/16/2010	Ac-228	-2.48E+01	2.46E+01	7.68E+01	
MU	6	267322001	11/16/2010	Ag-108m	-5.35E+00	4.38E+00	1.37E+01	
MU	6	267322001	11/16/2010	Ag-110m	3.77E+00	8.04E+00	2.70E+01	
MU	6	267322001	11/16/2010	Ba-140	9.52E-01	5.58E+01	1.83E+02	
MU	6	267322001	11/16/2010	Be-7	9.84E+01	5.22E+01	1.87E+02	
MU	6	267322001	11/16/2010	Bi-214	-9.32E-01	1.43E+01	4.62E+01	
MU	6	267322001	11/16/2010	Ce-141	1.16E+01	1.15E+01	3.80E+01	
MU	6	267322001	11/16/2010	Ce-144	2.34E+01	3.05E+01	1.00E+02	
MU	6	267322001	11/16/2010	Co-57	-2.67E-01	4.00E+00	1.28E+01	
MU	6	267322001	11/16/2010	Co-58	1.18E+01	5.34E+00	2.00E+01	
MU	6	267322001	11/16/2010	Co-60	-5.34E+00	5.63E+00	1.70E+01	
MU	6	267322001	11/16/2010	Cr-51	-9.38E+01	6.52E+01	1.95E+02	
MU	6	267322001	11/16/2010	Cs-134	2.35E+00	5.74E+00	1.94E+01	
MU	6	267322001	11/16/2010	Cs-137	-2.52E+00	5.29E+00	1.73E+01	
MU	6	267322001	11/16/2010	Fe-59	3.51E+00	1.33E+01	4.49E+01	
MU	6	267322001	11/16/2010	I-131	3.29E+01	3.14E+01	1.11E+02	
MU	6	267322001	11/16/2010	K-40	9.61E+02	1.33E+02	1.55E+02	*

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	
MU	6	267322001	11/16/2010	La-140	-3.63E+00	1.85E+01	6.02E+01	
MU	6	267322001	11/16/2010	Mn-54	5.27E+00	5.30E+00	1.84E+01	
MU	6	267322001	11/16/2010	Nb-95	1.34E+01	6.13E+00	2.26E+01	
MU	6	267322001	11/16/2010	Pb-212	2.39E+01	1.93E+01	3.87E+01	
MU	6	267322001	11/16/2010	Pb-214	1.04E+01	1.32E+01	4.39E+01	
MU	6	267322001	11/16/2010	Ra-226	-9.32E-01	1.43E+01	4.62E+01	
MU	6	267322001	11/16/2010	Ru-103	1.61E+01	5.67E+00	2.13E+01	
MU	6	267322001	11/16/2010	Ru-106	1.59E+01	4.63E+01	1.52E+02	
MU	6	267322001	11/16/2010	Sb-124	-1.00E+00	1.48E+01	4.84E+01	
MU	6	267322001	11/16/2010	Sb-125	6.24E+00	1.49E+01	5.05E+01	
MU	6	267322001	11/16/2010	Se-75	7.27E+00	7.29E+00	2.48E+01	
MU	6	267322001	11/16/2010	Th-228	2.39E+01	1.93E+01	3.87E+01	
MU	6	267322001	11/16/2010	Th-230	-9.32E-01	1.43E+01	4.62E+01	
MU	6	267322001	11/16/2010	Tl-208	1.59E+00	6.11E+00	2.08E+01	
MU	6	267322001	11/16/2010	Zn-65	-1.77E+01	1.27E+01	3.83E+01	
MU	6	267322001	11/16/2010	Zr-95	1.86E+01	1.11E+01	3.99E+01	
MU	9	L16555-01	5/17/2010	AcTh-228	6.70E+01	3.00E+01	9.40E+01	
MU	9	L16555-01	5/17/2010	Ag-108m	9.10E+00	4.60E+00	1.50E+01	
MU	9	L16555-01	5/17/2010	Ag-110m	0.00E+00	1.00E+01	3.80E+01	
MU	9	L16555-01	5/17/2010	Ba-140	-4.80E+01	3.00E+01	1.30E+02	
MU	9	L16555-01	5/17/2010	Be-7	1.60E+01	5.70E+01	2.10E+02	
MU	9	L16555-01	5/17/2010	Ce-141	0.00E+00	1.00E+01	3.70E+01	
MU	9	L16555-01	5/17/2010	Ce-144	3.10E+01	2.80E+01	9.60E+01	
MU	9	L16555-01	5/17/2010	Co-57	-2.90E+00	2.70E+00	1.00E+01	
MU	9	L16555-01	5/17/2010	Co-58	6.10E+00	6.80E+00	2.40E+01	
MU	9	L16555-01	5/17/2010	Co-60	1.30E+01	8.30E+00	2.70E+01	
MU	9	L16555-01	5/17/2010	Cr-51	1.70E+01	6.60E+01	2.40E+02	
MU	9	L16555-01	5/17/2010	Cs-134	-3.30E+00	5.00E+00	2.60E+01	
MU	9	L16555-01	5/17/2010	Cs-137	2.50E+00	6.40E+00	2.30E+01	
MU	9	L16555-01	5/17/2010	Fe-59	1.30E+01	1.70E+01	6.10E+01	
MU	9	L16555-01	5/17/2010	I-131	3.10E+01	3.20E+01	1.10E+02	
MU	9	L16555-01	5/17/2010	K-40	1.17E+03	1.80E+02	4.10E+02	*
MU	9	L16555-01	5/17/2010	La-140	-4.80E+01	3.00E+01	1.30E+02	
MU	9	L16555-01	5/17/2010	Mn-54	5.60E+00	7.80E+00	2.70E+01	
MU	9	L16555-01	5/17/2010	Nb-95	-1.56E+01	9.50E+00	3.90E+01	
MU	9	L16555-01	5/17/2010	Ru-103	3.30E+00	7.40E+00	2.70E+01	
MU	9	L16555-01	5/17/2010	Ru-106	3.00E+00	6.50E+01	2.40E+02	
MU	9	L16555-01	5/17/2010	Sb-124	-6.00E+00	2.10E+01	8.70E+01	
MU	9	L16555-01	5/17/2010	Sb-125	2.80E+01	1.50E+01	4.70E+01	
MU	9	L16555-01	5/17/2010	Se-75	-7.30E+00	6.20E+00	2.40E+01	
MU	9	L16555-01	5/17/2010	Zn-65	4.00E+00	1.70E+01	6.10E+01	
MU	9	L16555-01	5/17/2010	Zr-95	2.90E+01	1.40E+01	4.50E+01	
MU	9	267324001	11/15/2010	Ac-228	-1.73E+01	1.16E+01	3.73E+01	
MU	9	267324001	11/15/2010	Ag-108m	-1.30E+00	2.14E+00	6.92E+00	
MU	9	267324001	11/15/2010	Ag-110m	2.61E+00	4.26E+00	1.49E+01	
MU	9	267324001	11/15/2010	Ba-140	6.94E+01	4.09E+01	1.46E+02	
MU	9	267324001	11/15/2010	Be-7	-6.53E+00	3.05E+01	1.00E+02	
MU	9	267324001	11/15/2010	Bi-214	1.92E+01	6.81E+00	2.02E+01	
MU	9	267324001	11/15/2010	Ce-141	1.01E-01	5.54E+00	1.86E+01	
MU	9	267324001	11/15/2010	Ce-144	-4.53E+00	1.31E+01	4.33E+01	
MU	9	267324001	11/15/2010	Co-57	1.88E+00	1.74E+00	6.12E+00	

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	
MU	9	267324001	11/15/2010	Co-58	-1.82E+00	2.81E+00	8.93E+00	
MU	9	267324001	11/15/2010	Co-60	-1.16E+00	3.09E+00	9.56E+00	
MU	9	267324001	11/15/2010	Cr-51	-3.41E+00	4.22E+01	1.34E+02	
MU	9	267324001	11/15/2010	Cs-134	-1.24E+00	3.32E+00	1.03E+01	
MU	9	267324001	11/15/2010	Cs-137	4.88E+00	4.21E+00	7.49E+00	
MU	9	267324001	11/15/2010	Fe-59	3.23E+00	8.10E+00	2.77E+01	
MU	9	267324001	11/15/2010	I-131	8.50E-01	2.79E+01	9.48E+01	
MU	9	267324001	11/15/2010	K-40	1.02E+03	1.05E+02	9.22E+01	*
MU	9	267324001	11/15/2010	La-140	3.15E+01	1.57E+01	6.38E+01	
MU	9	267324001	11/15/2010	Mn-54	3.46E-01	3.27E+00	1.11E+01	
MU	9	267324001	11/15/2010	Nb-95	-6.59E-01	3.03E+00	9.50E+00	
MU	9	267324001	11/15/2010	Pb-212	6.14E+00	6.63E+00	1.60E+01	
MU	9	267324001	11/15/2010	Pb-214	-1.90E+00	6.24E+00	2.00E+01	
MU	9	267324001	11/15/2010	Ra-226	1.92E+01	6.81E+00	2.02E+01	
MU	9	267324001	11/15/2010	Ru-103	2.20E+00	3.26E+00	1.14E+01	
MU	9	267324001	11/15/2010	Ru-106	4.66E+01	2.05E+01	7.89E+01	
MU	9	267324001	11/15/2010	Sb-124	-2.03E+00	5.99E+00	1.86E+01	
MU	9	267324001	11/15/2010	Sb-125	2.46E-02	6.80E+00	2.28E+01	
MU	9	267324001	11/15/2010	Se-75	-5.00E+00	3.75E+00	1.13E+01	
MU	9	267324001	11/15/2010	Th-228	6.14E+00	6.63E+00	1.60E+01	
MU	9	267324001	11/15/2010	Th-230	1.92E+01	6.79E+00	2.02E+01	
MU	9	267324001	11/15/2010	Tl-208	-5.01E-01	2.66E+00	8.32E+00	
MU	9	267324001	11/15/2010	Zn-65	-1.43E+01	7.31E+00	1.98E+01	
MU	9	267324001	11/15/2010	Zr-95	-2.03E+00	5.19E+00	1.60E+01	
MU	56	L16560-02	5/18/2010	AcTh-228	5.00E+00	2.80E+01	1.00E+02	
MU	56	L16560-02	5/18/2010	Ag-108m	-2.30E+00	5.90E+00	2.10E+01	
MU	56	L16560-02	5/18/2010	Ag-110m	-1.01E+01	9.70E+00	3.80E+01	
MU	56	L16560-02	5/18/2010	Ba-140	-7.00E+00	2.80E+01	1.10E+02	
MU	56	L16560-02	5/18/2010	Be-7	6.60E+01	7.70E+01	2.60E+02	
MU	56	L16560-02	5/18/2010	Ce-141	1.00E+01	1.30E+01	4.30E+01	
MU	56	L16560-02	5/18/2010	Ce-144	5.50E+01	3.40E+01	1.10E+02	
MU	56	L16560-02	5/18/2010	Co-57	-1.30E+00	4.60E+00	1.60E+01	
MU	56	L16560-02	5/18/2010	Co-58	2.30E+00	8.50E+00	3.00E+01	
MU	56	L16560-02	5/18/2010	Co-60	-2.70E+00	7.40E+00	2.90E+01	
MU	56	L16560-02	5/18/2010	Cr-51	-4.90E+01	8.30E+01	3.00E+02	
MU	56	L16560-02	5/18/2010	Cs-134	1.60E+00	4.80E+00	2.20E+01	
MU	56	L16560-02	5/18/2010	Cs-137	1.27E+01	6.50E+00	2.00E+01	
MU	56	L16560-02	5/18/2010	Fe-59	1.00E+00	1.80E+01	6.70E+01	
MU	56	L16560-02	5/18/2010	I-131	1.20E+01	3.60E+01	1.30E+02	
MU	56	L16560-02	5/18/2010	K-40	1.35E+03	1.70E+02	3.50E+02	*
MU	56	L16560-02	5/18/2010	La-140	-7.00E+00	2.80E+01	1.10E+02	
MU	56	L16560-02	5/18/2010	Mn-54	1.00E+01	6.90E+00	2.30E+01	
MU	56	L16560-02	5/18/2010	Nb-95	8.00E-01	9.60E+00	3.50E+01	
MU	56	L16560-02	5/18/2010	Ru-103	-8.70E+00	8.90E+00	3.40E+01	
MU	56	L16560-02	5/18/2010	Ru-106	-2.80E+01	6.10E+01	2.30E+02	
MU	56	L16560-02	5/18/2010	Sb-124	-6.00E+00	1.50E+01	6.30E+01	
MU	56	L16560-02	5/18/2010	Sb-125	-7.00E+00	2.00E+01	7.10E+01	
MU	56	L16560-02	5/18/2010	Se-75	1.26E+01	8.20E+00	2.70E+01	
MU	56	L16560-02	5/18/2010	Zn-65	3.00E+00	1.60E+01	5.90E+01	
MU	56	L16560-02	5/18/2010	Zr-95	1.40E+01	1.30E+01	4.50E+01	
MU	56	267322002	11/16/2010	Ac-228	5.96E+00	9.24E+00	3.20E+01	

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	
MU	56	267322002	11/16/2010	Ag-108m	-1.18E+00	2.19E+00	6.84E+00	
MU	56	267322002	11/16/2010	Ag-110m	-1.96E+00	3.42E+00	1.07E+01	
MU	56	267322002	11/16/2010	Ba-140	1.72E+01	2.75E+01	9.16E+01	
MU	56	267322002	11/16/2010	Be-7	4.73E+01	2.30E+01	8.40E+01	
MU	56	267322002	11/16/2010	Bi-214	7.64E+00	5.89E+00	2.02E+01	
MU	56	267322002	11/16/2010	Ce-141	4.42E+00	5.41E+00	1.87E+01	
MU	56	267322002	11/16/2010	Ce-144	1.67E+01	1.36E+01	4.77E+01	
MU	56	267322002	11/16/2010	Co-57	4.86E-01	1.80E+00	6.17E+00	
MU	56	267322002	11/16/2010	Co-58	-1.97E+00	2.65E+00	8.22E+00	
MU	56	267322002	11/16/2010	Co-60	1.68E+00	2.43E+00	8.47E+00	
MU	56	267322002	11/16/2010	Cr-51	-3.98E+01	3.15E+01	9.62E+01	
MU	56	267322002	11/16/2010	Cs-134	3.31E+00	2.58E+00	9.47E+00	
MU	56	267322002	11/16/2010	Cs-137	3.66E+00	2.39E+00	8.79E+00	
MU	56	267322002	11/16/2010	Fe-59	-4.09E-01	7.14E+00	2.31E+01	
MU	56	267322002	11/16/2010	I-131	4.91E+00	1.67E+01	5.55E+01	
MU	56	267322002	11/16/2010	K-40	1.12E+03	1.07E+02	8.31E+01	*
MU	56	267322002	11/16/2010	La-140	-1.24E+01	7.28E+00	1.66E+01	
MU	56	267322002	11/16/2010	Mn-54	1.27E+00	2.14E+00	7.46E+00	
MU	56	267322002	11/16/2010	Nb-95	3.67E+00	3.12E+00	1.12E+01	
MU	56	267322002	11/16/2010	Pb-212	7.02E+00	4.71E+00	1.63E+01	
MU	56	267322002	11/16/2010	Pb-214	-1.06E+01	6.17E+00	1.76E+01	
MU	56	267322002	11/16/2010	Ra-226	7.64E+00	5.89E+00	2.02E+01	
MU	56	267322002	11/16/2010	Ru-103	-1.57E+00	2.94E+00	9.06E+00	
MU	56	267322002	11/16/2010	Ru-106	3.31E+01	2.14E+01	7.89E+01	
MU	56	267322002	11/16/2010	Sb-124	-1.19E+00	5.93E+00	1.91E+01	
MU	56	267322002	11/16/2010	Sb-125	-4.80E+00	6.51E+00	2.01E+01	
MU	56	267322002	11/16/2010	Se-75	-7.39E+00	3.29E+00	9.65E+00	
MU	56	267322002	11/16/2010	Th-228	7.02E+00	4.71E+00	1.63E+01	
MU	56	267322002	11/16/2010	Th-230	7.64E+00	5.89E+00	2.02E+01	
MU	56	267322002	11/16/2010	Tl-208	9.33E+00	3.11E+00	8.67E+00	* UI
MU	56	267322002	11/16/2010	Zn-65	2.45E-01	6.75E+00	2.20E+01	
MU	56	267322002	11/16/2010	Zr-95	-1.39E+00	4.92E+00	1.60E+01	
MU	59	L16555-02	5/19/2010	AcTh-228	5.00E+00	2.20E+01	7.90E+01	
MU	59	L16555-02	5/19/2010	Ag-108m	2.00E+00	5.60E+00	1.90E+01	
MU	59	L16555-02	5/19/2010	Ag-110m	-8.40E+00	7.70E+00	3.00E+01	
MU	59	L16555-02	5/19/2010	Ba-140	6.00E+00	1.90E+01	7.10E+01	
MU	59	L16555-02	5/19/2010	Be-7	1.63E+02	6.40E+01	2.00E+02	
MU	59	L16555-02	5/19/2010	Ce-141	-1.50E+01	1.10E+01	4.00E+01	
MU	59	L16555-02	5/19/2010	Ce-144	5.20E+01	3.10E+01	1.00E+02	
MU	59	L16555-02	5/19/2010	Co-57	-3.70E+00	3.80E+00	1.40E+01	
MU	59	L16555-02	5/19/2010	Co-58	-9.90E+00	6.40E+00	2.50E+01	
MU	59	L16555-02	5/19/2010	Co-60	-2.90E+00	6.10E+00	2.40E+01	
MU	59	L16555-02	5/19/2010	Cr-51	-2.30E+01	7.20E+01	2.50E+02	
MU	59	L16555-02	5/19/2010	Cs-134	-4.70E+00	4.50E+00	2.20E+01	
MU	59	L16555-02	5/19/2010	Cs-137	-6.50E+00	5.90E+00	2.20E+01	
MU	59	L16555-02	5/19/2010	Fe-59	1.20E+01	1.30E+01	4.60E+01	
MU	59	L16555-02	5/19/2010	I-131	0.00E+00	2.60E+01	9.30E+01	
MU	59	L16555-02	5/19/2010	K-40	1.25E+03	1.40E+02	3.20E+02	*
MU	59	L16555-02	5/19/2010	La-140	6.00E+00	1.90E+01	7.10E+01	
MU	59	L16555-02	5/19/2010	Mn-54	-3.60E+00	5.90E+00	2.20E+01	
MU	59	L16555-02	5/19/2010	Nb-95	1.80E+00	8.90E+00	3.20E+01	

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	
MU	59	L16555-02	5/19/2010	Ru-103	-1.03E+01	7.10E+00	2.70E+01	
MU	59	L16555-02	5/19/2010	Ru-106	2.60E+01	5.10E+01	1.80E+02	
MU	59	L16555-02	5/19/2010	Sb-124	3.00E+00	1.50E+01	5.70E+01	
MU	59	L16555-02	5/19/2010	Sb-125	-1.80E+01	1.60E+01	6.00E+01	
MU	59	L16555-02	5/19/2010	Se-75	0.00E+00	7.60E+00	2.70E+01	
MU	59	L16555-02	5/19/2010	Zn-65	-8.00E+00	1.30E+01	4.90E+01	
MU	59	L16555-02	5/19/2010	Zr-95	1.20E+01	1.30E+01	4.40E+01	
MU	59	267324002	11/15/2010	Ac-228	2.43E+01	1.40E+01	4.76E+01	
MU	59	267324002	11/15/2010	Ag-108m	-4.56E-01	2.64E+00	8.38E+00	
MU	59	267324002	11/15/2010	Ag-110m	5.75E+00	4.53E+00	1.60E+01	
MU	59	267324002	11/15/2010	Ba-140	-2.59E+01	3.50E+01	1.11E+02	
MU	59	267324002	11/15/2010	Be-7	1.98E+01	2.81E+01	9.86E+01	
MU	59	267324002	11/15/2010	Bi-214	3.83E+01	1.12E+01	2.58E+01	* UI
MU	59	267324002	11/15/2010	Ce-141	-7.19E+00	6.61E+00	2.17E+01	
MU	59	267324002	11/15/2010	Ce-144	-1.56E+01	1.99E+01	6.10E+01	
MU	59	267324002	11/15/2010	Co-57	-3.14E+00	2.52E+00	7.63E+00	
MU	59	267324002	11/15/2010	Co-58	4.17E+00	3.38E+00	1.20E+01	
MU	59	267324002	11/15/2010	Co-60	6.65E+00	2.60E+00	1.09E+01	
MU	59	267324002	11/15/2010	Cr-51	8.08E+00	3.75E+01	1.24E+02	
MU	59	267324002	11/15/2010	Cs-134	1.96E-01	3.66E+00	1.20E+01	
MU	59	267324002	11/15/2010	Cs-137	2.62E+00	3.12E+00	1.08E+01	
MU	59	267324002	11/15/2010	Fe-59	-1.10E+01	8.14E+00	2.39E+01	
MU	59	267324002	11/15/2010	I-131	1.96E+01	2.06E+01	7.03E+01	
MU	59	267324002	11/15/2010	K-40	1.55E+03	1.32E+02	9.51E+01	*
MU	59	267324002	11/15/2010	La-140	-3.70E+01	1.45E+01	3.19E+01	
MU	59	267324002	11/15/2010	Mn-54	-3.28E+00	3.29E+00	9.88E+00	
MU	59	267324002	11/15/2010	Nb-95	2.57E+00	3.96E+00	1.35E+01	
MU	59	267324002	11/15/2010	Pb-212	1.74E+01	7.35E+00	1.67E+01	UI
MU	59	267324002	11/15/2010	Pb-214	2.90E+01	1.33E+01	2.87E+01	UI
MU	59	267324002	11/15/2010	Ra-226	3.83E+01	1.12E+01	2.58E+01	* UI
MU	59	267324002	11/15/2010	Ru-103	7.67E+00	4.43E+00	1.60E+01	
MU	59	267324002	11/15/2010	Ru-106	-9.36E-01	2.60E+01	8.61E+01	
MU	59	267324002	11/15/2010	Sb-124	-8.80E+00	7.13E+00	1.94E+01	
MU	59	267324002	11/15/2010	Sb-125	-4.07E+00	7.80E+00	2.43E+01	
MU	59	267324002	11/15/2010	Se-75	9.02E+00	4.24E+00	1.51E+01	
MU	59	267324002	11/15/2010	Th-228	1.74E+01	7.35E+00	1.67E+01	UI
MU	59	267324002	11/15/2010	Th-230	3.83E+01	1.12E+01	2.58E+01	* UI
MU	59	267324002	11/15/2010	Tl-208	1.51E+01	4.40E+00	9.40E+00	* UI
MU	59	267324002	11/15/2010	Zn-65	-1.10E+01	7.67E+00	2.27E+01	
MU	59	267324002	11/15/2010	Zr-95	6.00E+00	6.63E+00	2.30E+01	

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	
SE	2	L16557-01	5/18/2010	AcTh-228	2.28E+03	1.50E+02	4.20E+02	*
SE	2	L16557-03	5/18/2010	AcTh-228	1.62E+03	2.00E+02	6.70E+02	*
SE	2	L16557-02	5/18/2010	AcTh-228	1.96E+03	1.30E+02	4.00E+02	*
SE	2	L16557-01	5/18/2010	Ag-108m	3.00E+00	2.80E+01	9.80E+01	
SE	2	L16557-03	5/18/2010	Ag-108m	2.70E+01	3.10E+01	1.10E+02	
SE	2	L16557-02	5/18/2010	Ag-108m	-3.30E+01	2.20E+01	8.40E+01	
SE	2	L16557-03	5/18/2010	Ag-110m	5.20E+01	5.50E+01	1.90E+02	
SE	2	L16557-02	5/18/2010	Ag-110m	1.20E+01	3.60E+01	1.30E+02	
SE	2	L16557-01	5/18/2010	Ag-110m	-1.80E+01	3.80E+01	1.50E+02	
SE	2	L16557-02	5/18/2010	Ba-140	-3.00E+02	1.20E+03	4.30E+03	
SE	2	L16557-01	5/18/2010	Ba-140	6.40E+02	5.20E+02	1.80E+03	
SE	2	L16557-03	5/18/2010	Ba-140	-3.90E+02	6.70E+02	2.70E+03	
SE	2	L16557-02	5/18/2010	Be-7	4.00E+01	4.00E+02	1.40E+03	
SE	2	L16557-03	5/18/2010	Be-7	-5.30E+02	3.80E+02	1.60E+03	
SE	2	L16557-01	5/18/2010	Be-7	2.00E+02	3.60E+02	1.20E+03	
SE	2	L16557-02	5/18/2010	Ce-141	6.00E+01	1.10E+02	3.80E+02	
SE	2	L16557-01	5/18/2010	Ce-141	2.20E+01	8.90E+01	3.10E+02	
SE	2	L16557-03	5/18/2010	Ce-141	2.00E+02	1.10E+02	3.50E+02	
SE	2	L16557-03	5/18/2010	Ce-144	4.30E+02	2.30E+02	7.50E+02	
SE	2	L16557-02	5/18/2010	Ce-144	1.80E+02	1.90E+02	6.40E+02	
SE	2	L16557-01	5/18/2010	Ce-144	6.00E+01	2.10E+02	7.20E+02	
SE	2	L16557-02	5/18/2010	Co-57	1.10E+01	2.00E+01	6.80E+01	
SE	2	L16557-01	5/18/2010	Co-57	2.20E+01	2.80E+01	9.60E+01	
SE	2	L16557-03	5/18/2010	Co-57	-1.30E+01	2.90E+01	1.10E+02	
SE	2	L16557-03	5/18/2010	Co-58	5.90E+01	3.50E+01	1.10E+02	
SE	2	L16557-02	5/18/2010	Co-58	-5.90E+01	4.10E+01	1.70E+02	
SE	2	L16557-01	5/18/2010	Co-58	-2.00E+01	3.60E+01	1.40E+02	
SE	2	L16557-02	5/18/2010	Co-60	-2.20E+01	3.10E+01	1.20E+02	
SE	2	L16557-03	5/18/2010	Co-60	3.00E+01	4.00E+01	1.50E+02	
SE	2	L16557-01	5/18/2010	Co-60	2.10E+01	2.60E+01	9.40E+01	
SE	2	L16557-02	5/18/2010	Cr-51	-3.90E+02	6.40E+02	2.30E+03	
SE	2	L16557-01	5/18/2010	Cr-51	9.00E+01	4.70E+02	1.70E+03	
SE	2	L16557-03	5/18/2010	Cr-51	1.10E+03	5.90E+02	1.90E+03	
SE	2	L16557-02	5/18/2010	Cs-134	-1.20E+01	2.30E+01	8.50E+01	
SE	2	L16557-03	5/18/2010	Cs-134	1.90E+01	3.30E+01	1.30E+02	
SE	2	L16557-01	5/18/2010	Cs-134	8.00E+01	3.50E+01	1.20E+02	
SE	2	L16557-02	5/18/2010	Cs-137	-8.00E+00	3.20E+01	1.20E+02	
SE	2	L16557-01	5/18/2010	Cs-137	3.70E+01	3.00E+01	9.90E+01	
SE	2	L16557-03	5/18/2010	Cs-137	3.00E+01	4.00E+01	1.40E+02	
SE	2	L16557-03	5/18/2010	Fe-59	0.00E+00	1.10E+02	4.40E+02	
SE	2	L16557-02	5/18/2010	Fe-59	-4.90E+01	9.90E+01	3.90E+02	
SE	2	L16557-01	5/18/2010	Fe-59	3.70E+01	8.50E+01	3.00E+02	
SE	2	L16557-02	5/18/2010	I-131	-2.00E+02	1.80E+03	6.60E+03	
SE	2	L16557-03	5/18/2010	I-131	1.50E+02	4.60E+02	1.70E+03	
SE	2	L16557-01	5/18/2010	I-131	1.20E+02	3.70E+02	1.30E+03	
SE	2	L16557-02	5/18/2010	K-40	1.29E+04	9.00E+02	1.10E+03	*
SE	2	L16557-03	5/18/2010	K-40	1.42E+04	1.40E+03	1.60E+03	*
SE	2	L16557-01	5/18/2010	K-40	1.24E+04	8.40E+02	1.00E+03	*
SE	2	L16557-02	5/18/2010	La-140	-3.50E+02	7.10E+02	2.70E+03	
SE	2	L16557-03	5/18/2010	La-140	3.80E+02	3.80E+02	1.30E+03	
SE	2	L16557-01	5/18/2010	La-140	-1.00E+02	2.40E+02	9.10E+02	

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	
SE	2	L16557-03	5/18/2010	Mn-54	3.00E+01	4.10E+01	1.50E+02	
SE	2	L16557-02	5/18/2010	Mn-54	-1.40E+01	3.20E+01	1.20E+02	
SE	2	L16557-01	5/18/2010	Mn-54	0.00E+00	2.90E+01	1.10E+02	
SE	2	L16557-03	5/18/2010	Nb-95	3.40E+01	6.40E+01	2.40E+02	
SE	2	L16557-01	5/18/2010	Nb-95	-7.40E+01	7.70E+01	2.80E+02	
SE	2	L16557-02	5/18/2010	Nb-95	2.40E+01	7.60E+01	2.70E+02	
SE	2	L16557-01	5/18/2010	Ru-103	2.80E+01	4.90E+01	1.70E+02	
SE	2	L16557-02	5/18/2010	Ru-103	2.00E+01	5.50E+01	2.00E+02	
SE	2	L16557-03	5/18/2010	Ru-103	3.20E+01	5.10E+01	1.80E+02	
SE	2	L16557-03	5/18/2010	Ru-106	9.00E+01	3.70E+02	1.40E+03	
SE	2	L16557-01	5/18/2010	Ru-106	-5.10E+02	2.60E+02	1.00E+03	
SE	2	L16557-02	5/18/2010	Ru-106	1.60E+02	2.70E+02	9.30E+02	
SE	2	L16557-03	5/18/2010	Sb-124	3.40E+01	9.80E+01	4.10E+02	
SE	2	L16557-01	5/18/2010	Sb-124	9.00E+00	5.80E+01	2.30E+02	
SE	2	L16557-02	5/18/2010	Sb-124	-5.60E+01	9.20E+01	3.90E+02	
SE	2	L16557-01	5/18/2010	Sb-125	9.00E+01	8.70E+01	2.90E+02	
SE	2	L16557-03	5/18/2010	Sb-125	-2.00E+01	1.00E+02	3.90E+02	
SE	2	L16557-02	5/18/2010	Sb-125	1.37E+02	8.00E+01	2.60E+02	
SE	2	L16557-01	5/18/2010	Se-75	-3.50E+01	4.80E+01	1.70E+02	
SE	2	L16557-03	5/18/2010	Se-75	-4.00E+00	5.50E+01	2.00E+02	
SE	2	L16557-02	5/18/2010	Se-75	-3.80E+01	3.90E+01	1.40E+02	
SE	2	L16557-03	5/18/2010	Zn-65	-2.00E+02	1.10E+02	4.80E+02	
SE	2	L16557-01	5/18/2010	Zn-65	-1.90E+02	1.30E+02	4.60E+02	
SE	2	L16557-02	5/18/2010	Zn-65	-1.20E+02	1.50E+02	5.30E+02	
SE	2	L16557-03	5/18/2010	Zr-95	-1.06E+02	7.30E+01	3.30E+02	
SE	2	L16557-02	5/18/2010	Zr-95	1.20E+02	8.70E+01	2.90E+02	
SE	2	L16557-01	5/18/2010	Zr-95	1.42E+02	7.20E+01	2.30E+02	
SE	2	267311004	11/16/2010	Ac-228	4.73E+02	1.59E+02	3.73E+02	
SE	2	267311004	11/16/2010	Ag-108m	-8.31E+00	1.24E+01	4.00E+01	
SE	2	267311004	11/16/2010	Ag-110m	9.06E+00	2.30E+01	7.92E+01	
SE	2	267311004	11/16/2010	Ba-140	-2.55E+02	1.78E+02	5.41E+02	
SE	2	267311004	11/16/2010	Be-7	5.39E+00	1.62E+02	5.77E+02	
SE	2	267311004	11/16/2010	Bi-214	3.31E+02	6.75E+01	2.03E+02	* UI
SE	2	267311004	11/16/2010	Ce-141	6.08E+01	3.19E+01	1.25E+02	
SE	2	267311004	11/16/2010	Ce-144	2.96E+01	9.26E+01	3.26E+02	
SE	2	267311004	11/16/2010	Co-57	1.18E+01	1.29E+01	4.66E+01	
SE	2	267311004	11/16/2010	Co-58	-3.84E+00	2.02E+01	6.70E+01	
SE	2	267311004	11/16/2010	Co-60	1.86E+01	2.28E+01	8.10E+01	
SE	2	267311004	11/16/2010	Cr-51	5.76E+01	2.20E+02	7.75E+02	
SE	2	267311004	11/16/2010	Cs-134	-3.63E+00	2.28E+01	7.61E+01	
SE	2	267311004	11/16/2010	Cs-137	2.85E+00	1.45E+01	5.07E+01	
SE	2	267311004	11/16/2010	Fe-59	-1.80E+01	5.29E+01	1.76E+02	
SE	2	267311004	11/16/2010	I-131	1.75E+02	1.14E+02	4.25E+02	
SE	2	267311004	11/16/2010	K-40	2.28E+04	1.42E+03	4.89E+02	*
SE	2	267311004	11/16/2010	La-140	-1.29E+01	5.16E+01	1.62E+02	
SE	2	267311004	11/16/2010	Mn-54	2.00E+01	1.71E+01	6.24E+01	
SE	2	267311004	11/16/2010	Nb-95	1.74E+01	2.18E+01	7.78E+01	
SE	2	267311004	11/16/2010	Pb-212	4.49E+02	5.66E+01	8.88E+01	*
SE	2	267311004	11/16/2010	Pb-214	4.00E+02	7.29E+01	1.09E+02	*
SE	2	267311004	11/16/2010	Ra-226	3.31E+02	6.75E+01	2.03E+02	* UI
SE	2	267311004	11/16/2010	Ru-103	2.12E+01	2.04E+01	7.64E+01	

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	
SE	2	267311004	11/16/2010	Ru-106	-2.17E+02	1.43E+02	4.37E+02	
SE	2	267311004	11/16/2010	Sb-124	6.16E+01	2.77E+01	1.30E+02	
SE	2	267311004	11/16/2010	Sb-125	-1.81E+01	4.39E+01	1.45E+02	
SE	2	267311004	11/16/2010	Se-75	-1.58E+01	2.17E+01	7.44E+01	
SE	2	267311004	11/16/2010	Th-228	4.49E+02	5.66E+01	8.88E+01	*
SE	2	267311004	11/16/2010	Th-230	3.31E+02	6.69E+01	2.03E+02	* UI
SE	2	267311004	11/16/2010	Tl-208	1.31E+02	3.82E+01	5.74E+01	*
SE	2	267311004	11/16/2010	Zn-65	-1.94E+02	5.44E+01	1.37E+02	
SE	2	267311004	11/16/2010	Zr-95	-1.41E+01	3.95E+01	1.30E+02	
SE	7	L16557-05	5/17/2010	AcTh-228	3.70E+02	1.50E+02	4.50E+02	
SE	7	L16557-06	5/17/2010	AcTh-228	2.60E+02	1.40E+02	4.40E+02	
SE	7	L16557-04	5/17/2010	AcTh-228	3.10E+02	1.20E+02	3.70E+02	
SE	7	L16557-06	5/17/2010	Ag-108m	5.00E+00	2.30E+01	8.60E+01	
SE	7	L16557-05	5/17/2010	Ag-108m	2.90E+01	2.40E+01	8.30E+01	
SE	7	L16557-04	5/17/2010	Ag-108m	9.00E+00	2.00E+01	7.10E+01	
SE	7	L16557-05	5/17/2010	Ag-110m	4.50E+01	5.30E+01	1.90E+02	
SE	7	L16557-06	5/17/2010	Ag-110m	-4.70E+01	3.70E+01	1.80E+02	
SE	7	L16557-04	5/17/2010	Ag-110m	-5.70E+01	3.50E+01	1.50E+02	
SE	7	L16557-04	5/17/2010	Ba-140	-1.40E+02	3.90E+02	1.60E+03	
SE	7	L16557-06	5/17/2010	Ba-140	2.20E+02	3.80E+02	1.40E+03	
SE	7	L16557-05	5/17/2010	Ba-140	7.90E+02	4.40E+02	1.40E+03	
SE	7	L16557-06	5/17/2010	Be-7	-7.00E+01	3.30E+02	1.30E+03	
SE	7	L16557-05	5/17/2010	Be-7	5.20E+02	3.50E+02	1.10E+03	
SE	7	L16557-04	5/17/2010	Be-7	1.50E+02	2.60E+02	9.20E+02	
SE	7	L16557-05	5/17/2010	Ce-141	-9.00E+01	5.30E+01	2.20E+02	
SE	7	L16557-06	5/17/2010	Ce-141	1.53E+02	7.50E+01	2.40E+02	
SE	7	L16557-04	5/17/2010	Ce-141	-1.80E+01	6.80E+01	2.40E+02	
SE	7	L16557-06	5/17/2010	Ce-144	-2.50E+02	1.40E+02	5.60E+02	
SE	7	L16557-04	5/17/2010	Ce-144	-5.00E+01	1.30E+02	4.90E+02	
SE	7	L16557-05	5/17/2010	Ce-144	1.80E+02	1.70E+02	5.70E+02	
SE	7	L16557-05	5/17/2010	Co-57	-4.00E+00	1.70E+01	6.20E+01	
SE	7	L16557-06	5/17/2010	Co-57	-2.00E+00	1.80E+01	6.70E+01	
SE	7	L16557-04	5/17/2010	Co-57	1.30E+01	2.00E+01	6.80E+01	
SE	7	L16557-05	5/17/2010	Co-58	1.10E+01	3.80E+01	1.50E+02	
SE	7	L16557-06	5/17/2010	Co-58	2.60E+01	3.30E+01	1.20E+02	
SE	7	L16557-04	5/17/2010	Co-58	-3.70E+01	2.60E+01	1.20E+02	
SE	7	L16557-06	5/17/2010	Co-60	5.00E+00	3.30E+01	1.30E+02	
SE	7	L16557-05	5/17/2010	Co-60	-1.10E+01	3.20E+01	1.40E+02	
SE	7	L16557-04	5/17/2010	Co-60	-6.00E+00	2.30E+01	9.50E+01	
SE	7	L16557-06	5/17/2010	Cr-51	-6.60E+02	4.00E+02	1.70E+03	
SE	7	L16557-04	5/17/2010	Cr-51	2.70E+02	3.50E+02	1.20E+03	
SE	7	L16557-05	5/17/2010	Cr-51	1.10E+02	3.60E+02	1.40E+03	
SE	7	L16557-06	5/17/2010	Cs-134	1.50E+01	1.80E+01	8.00E+01	
SE	7	L16557-04	5/17/2010	Cs-134	1.60E+01	2.00E+01	9.30E+01	
SE	7	L16557-05	5/17/2010	Cs-134	-1.50E+01	2.40E+01	1.30E+02	
SE	7	L16557-04	5/17/2010	Cs-137	5.50E+01	2.40E+01	7.10E+01	
SE	7	L16557-05	5/17/2010	Cs-137	-2.30E+01	2.80E+01	1.20E+02	
SE	7	L16557-06	5/17/2010	Cs-137	1.00E+01	2.50E+01	9.60E+01	
SE	7	L16557-06	5/17/2010	Fe-59	8.00E+01	1.20E+02	4.30E+02	
SE	7	L16557-05	5/17/2010	Fe-59	-6.00E+01	1.10E+02	4.70E+02	
SE	7	L16557-04	5/17/2010	Fe-59	3.50E+01	7.60E+01	2.80E+02	

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	
SE	7	L16557-05	5/17/2010	I-131	-5.60E+02	3.10E+02	1.40E+03	
SE	7	L16557-04	5/17/2010	I-131	3.60E+02	3.10E+02	1.10E+03	
SE	7	L16557-06	5/17/2010	I-131	0.00E+00	3.40E+02	1.30E+03	
SE	7	L16557-04	5/17/2010	K-40	1.84E+04	1.10E+03	8.70E+02	*
SE	7	L16557-05	5/17/2010	K-40	1.70E+04	1.40E+03	1.50E+03	*
SE	7	L16557-06	5/17/2010	K-40	1.76E+04	1.40E+03	1.40E+03	*
SE	7	L16557-05	5/17/2010	La-140	4.50E+02	2.40E+02	7.50E+02	
SE	7	L16557-06	5/17/2010	La-140	0.00E+00	2.80E+02	1.10E+03	
SE	7	L16557-04	5/17/2010	La-140	5.00E+02	2.30E+02	7.00E+02	
SE	7	L16557-06	5/17/2010	Mn-54	4.60E+01	3.10E+01	1.00E+02	
SE	7	L16557-05	5/17/2010	Mn-54	-5.40E+01	3.30E+01	1.50E+02	
SE	7	L16557-04	5/17/2010	Mn-54	-1.50E+01	1.90E+01	8.20E+01	
SE	7	L16557-04	5/17/2010	Nb-95	-1.30E+01	4.70E+01	1.80E+02	
SE	7	L16557-06	5/17/2010	Nb-95	-2.00E+00	4.40E+01	1.80E+02	
SE	7	L16557-05	5/17/2010	Nb-95	-3.10E+01	5.20E+01	2.20E+02	
SE	7	L16557-05	5/17/2010	Ru-103	-2.70E+01	3.80E+01	1.60E+02	
SE	7	L16557-06	5/17/2010	Ru-103	6.80E+01	4.20E+01	1.40E+02	
SE	7	L16557-04	5/17/2010	Ru-103	-1.00E+00	3.70E+01	1.40E+02	
SE	7	L16557-06	5/17/2010	Ru-106	2.70E+02	2.60E+02	9.20E+02	
SE	7	L16557-04	5/17/2010	Ru-106	-2.10E+02	1.80E+02	7.80E+02	
SE	7	L16557-05	5/17/2010	Ru-106	3.40E+02	3.10E+02	1.10E+03	
SE	7	L16557-04	5/17/2010	Sb-124	-1.80E+01	3.60E+01	1.90E+02	
SE	7	L16557-06	5/17/2010	Sb-124	1.15E+02	6.60E+01	1.00E+02	
SE	7	L16557-05	5/17/2010	Sb-124	3.80E+01	3.80E+01	1.00E+02	
SE	7	L16557-05	5/17/2010	Sb-125	-1.00E+02	6.50E+01	2.90E+02	
SE	7	L16557-04	5/17/2010	Sb-125	9.50E+01	6.00E+01	2.00E+02	
SE	7	L16557-06	5/17/2010	Sb-125	-4.60E+01	6.60E+01	2.80E+02	
SE	7	L16557-06	5/17/2010	Se-75	-1.00E+01	3.30E+01	1.30E+02	
SE	7	L16557-05	5/17/2010	Se-75	-2.60E+01	3.30E+01	1.30E+02	
SE	7	L16557-04	5/17/2010	Se-75	-6.50E+01	3.30E+01	1.30E+02	
SE	7	L16557-04	5/17/2010	Zn-65	-8.50E+01	7.80E+01	3.10E+02	
SE	7	L16557-06	5/17/2010	Zn-65	8.00E+01	8.50E+01	3.00E+02	
SE	7	L16557-05	5/17/2010	Zn-65	-1.24E+02	7.70E+01	3.50E+02	
SE	7	L16557-05	5/17/2010	Zr-95	-6.70E+01	5.10E+01	2.50E+02	
SE	7	L16557-06	5/17/2010	Zr-95	1.50E+01	6.20E+01	2.40E+02	
SE	7	L16557-04	5/17/2010	Zr-95	4.40E+01	5.20E+01	1.80E+02	
SE	7	267311001	11/15/2010	Ac-228	1.79E+03	2.03E+02	2.45E+02	*
SE	7	267311001	11/15/2010	Ag-108m	1.96E+01	1.81E+01	6.57E+01	
SE	7	267311001	11/15/2010	Ag-110m	-7.19E+01	3.12E+01	8.81E+01	
SE	7	267311001	11/15/2010	Ba-140	1.79E+02	2.81E+02	9.81E+02	
SE	7	267311001	11/15/2010	Be-7	8.16E+01	2.27E+02	7.90E+02	
SE	7	267311001	11/15/2010	Bi-214	1.19E+03	1.18E+02	1.53E+02	*
SE	7	267311001	11/15/2010	Ce-141	-2.28E+01	4.99E+01	1.73E+02	
SE	7	267311001	11/15/2010	Ce-144	2.11E+01	1.30E+02	4.60E+02	
SE	7	267311001	11/15/2010	Co-57	2.40E+01	1.65E+01	6.02E+01	
SE	7	267311001	11/15/2010	Co-58	-5.02E+01	2.46E+01	7.18E+01	
SE	7	267311001	11/15/2010	Co-60	3.48E+01	2.29E+01	8.54E+01	
SE	7	267311001	11/15/2010	Cr-51	3.05E+02	2.85E+02	1.04E+03	
SE	7	267311001	11/15/2010	Cs-134	5.88E+01	3.74E+01	1.23E+02	
SE	7	267311001	11/15/2010	Cs-137	1.36E+01	2.54E+01	8.73E+01	
SE	7	267311001	11/15/2010	Fe-59	2.48E+01	6.09E+01	2.10E+02	

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	
SE	7	267311001	11/15/2010	I-131	-6.96E+00	1.62E+02	5.67E+02	
SE	7	267311001	11/15/2010	K-40	1.31E+04	9.75E+02	8.32E+02	*
SE	7	267311001	11/15/2010	La-140	4.47E+01	8.94E+01	3.14E+02	
SE	7	267311001	11/15/2010	Mn-54	2.70E+01	2.47E+01	8.95E+01	
SE	7	267311001	11/15/2010	Nb-95	6.38E+01	3.21E+01	1.21E+02	
SE	7	267311001	11/15/2010	Pb-212	2.04E+03	1.55E+02	1.28E+02	*
SE	7	267311001	11/15/2010	Pb-214	1.64E+03	1.53E+02	1.55E+02	*
SE	7	267311001	11/15/2010	Ra-226	1.19E+03	1.18E+02	1.53E+02	*
SE	7	267311001	11/15/2010	Ra-228	1.79E+03	2.03E+02	2.45E+02	*
SE	7	267311001	11/15/2010	Ru-103	-1.28E+01	3.12E+01	1.04E+02	
SE	7	267311001	11/15/2010	Ru-106	2.32E+02	2.07E+02	7.36E+02	
SE	7	267311001	11/15/2010	Sb-124	7.98E+01	4.31E+01	1.80E+02	
SE	7	267311001	11/15/2010	Sb-125	-2.84E+01	5.96E+01	2.02E+02	
SE	7	267311001	11/15/2010	Se-75	3.23E+01	3.35E+01	1.09E+02	
SE	7	267311001	11/15/2010	Th-228	2.04E+03	1.55E+02	1.28E+02	*
SE	7	267311001	11/15/2010	Th-230	1.19E+03	1.13E+02	1.53E+02	*
SE	7	267311001	11/15/2010	Th-232	1.79E+03	2.03E+02	2.45E+02	*
SE	7	267311001	11/15/2010	Tl-208	6.11E+02	6.12E+01	8.67E+01	*
SE	7	267311001	11/15/2010	Zn-65	1.34E+02	7.12E+01	2.36E+02	
SE	7	267311001	11/15/2010	Zr-95	6.18E+00	5.01E+01	1.74E+02	
SE	8	L16557-08	5/17/2010	AcTh-228	-2.20E+02	1.60E+02	6.60E+02	
SE	8	L16557-09	5/17/2010	AcTh-228	2.10E+02	1.10E+02	3.50E+02	
SE	8	L16557-07	5/17/2010	AcTh-228	2.80E+02	1.10E+02	3.50E+02	
SE	8	L16557-09	5/17/2010	Ag-108m	2.00E+01	1.80E+01	6.20E+01	
SE	8	L16557-08	5/17/2010	Ag-108m	1.70E+01	2.10E+01	7.40E+01	
SE	8	L16557-07	5/17/2010	Ag-108m	-2.70E+01	2.10E+01	8.60E+01	
SE	8	L16557-09	5/17/2010	Ag-110m	-9.30E+01	3.70E+01	1.90E+02	
SE	8	L16557-07	5/17/2010	Ag-110m	1.50E+01	4.00E+01	1.50E+02	
SE	8	L16557-08	5/17/2010	Ag-110m	0.00E+00	3.20E+01	1.20E+02	
SE	8	L16557-08	5/17/2010	Ba-140	0.00E+00	4.10E+02	1.50E+03	
SE	8	L16557-09	5/17/2010	Ba-140	0.00E+00	4.30E+02	1.70E+03	
SE	8	L16557-07	5/17/2010	Ba-140	6.20E+02	4.00E+02	1.30E+03	
SE	8	L16557-07	5/17/2010	Be-7	-3.60E+02	2.70E+02	1.10E+03	
SE	8	L16557-09	5/17/2010	Be-7	-1.30E+02	2.50E+02	1.10E+03	
SE	8	L16557-08	5/17/2010	Be-7	-6.00E+01	2.60E+02	9.80E+02	
SE	8	L16557-07	5/17/2010	Ce-141	1.01E+02	6.30E+01	2.10E+02	
SE	8	L16557-08	5/17/2010	Ce-141	-6.10E+01	5.50E+01	2.10E+02	
SE	8	L16557-09	5/17/2010	Ce-141	4.00E+00	6.60E+01	2.40E+02	
SE	8	L16557-07	5/17/2010	Ce-144	3.00E+01	1.50E+02	5.30E+02	
SE	8	L16557-08	5/17/2010	Ce-144	6.00E+01	1.20E+02	4.40E+02	
SE	8	L16557-09	5/17/2010	Ce-144	-1.10E+02	1.40E+02	5.50E+02	
SE	8	L16557-09	5/17/2010	Co-57	2.00E+00	1.80E+01	6.70E+01	
SE	8	L16557-08	5/17/2010	Co-57	-2.40E+01	1.70E+01	6.60E+01	
SE	8	L16557-07	5/17/2010	Co-57	-3.00E+01	2.00E+01	7.60E+01	
SE	8	L16557-08	5/17/2010	Co-58	0.00E+00	2.50E+01	9.80E+01	
SE	8	L16557-09	5/17/2010	Co-58	-2.10E+01	3.00E+01	1.40E+02	
SE	8	L16557-07	5/17/2010	Co-58	1.90E+01	3.30E+01	1.20E+02	
SE	8	L16557-08	5/17/2010	Co-60	5.40E+01	3.00E+01	9.50E+01	
SE	8	L16557-07	5/17/2010	Co-60	1.90E+01	2.80E+01	1.00E+02	
SE	8	L16557-09	5/17/2010	Co-60	1.10E+01	3.60E+01	1.40E+02	
SE	8	L16557-07	5/17/2010	Cr-51	-6.00E+01	3.80E+02	1.40E+03	

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	
SE	8	L16557-09	5/17/2010	Cr-51	-4.40E+02	3.60E+02	1.50E+03	
SE	8	L16557-08	5/17/2010	Cr-51	-3.70E+02	3.60E+02	1.40E+03	
SE	8	L16557-09	5/17/2010	Cs-134	2.20E+01	2.30E+01	1.10E+02	
SE	8	L16557-07	5/17/2010	Cs-134	3.00E+01	2.20E+01	9.10E+01	
SE	8	L16557-08	5/17/2010	Cs-134	1.10E+01	2.00E+01	9.90E+01	
SE	8	L16557-09	5/17/2010	Cs-137	-2.50E+01	3.10E+01	1.30E+02	
SE	8	L16557-08	5/17/2010	Cs-137	-5.00E+00	2.10E+01	8.10E+01	
SE	8	L16557-07	5/17/2010	Cs-137	1.20E+01	2.50E+01	9.00E+01	
SE	8	L16557-07	5/17/2010	Fe-59	1.00E+01	8.70E+01	3.30E+02	
SE	8	L16557-08	5/17/2010	Fe-59	8.00E+01	6.70E+01	2.30E+02	
SE	8	L16557-09	5/17/2010	Fe-59	1.70E+02	1.20E+02	4.10E+02	
SE	8	L16557-07	5/17/2010	I-131	2.10E+02	2.70E+02	9.50E+02	
SE	8	L16557-08	5/17/2010	I-131	-4.00E+02	3.00E+02	1.20E+03	
SE	8	L16557-09	5/17/2010	I-131	-5.00E+01	3.30E+02	1.30E+03	
SE	8	L16557-09	5/17/2010	K-40	2.32E+04	1.60E+03	1.20E+03	*
SE	8	L16557-07	5/17/2010	K-40	2.39E+04	1.30E+03	1.20E+03	*
SE	8	L16557-08	5/17/2010	K-40	2.48E+04	1.20E+03	6.10E+02	*
SE	8	L16557-08	5/17/2010	La-140	-1.10E+02	2.00E+02	7.90E+02	
SE	8	L16557-07	5/17/2010	La-140	3.00E+01	2.40E+02	8.80E+02	
SE	8	L16557-09	5/17/2010	La-140	8.20E+02	2.90E+02	7.70E+02	
SE	8	L16557-07	5/17/2010	Mn-54	2.00E+01	2.40E+01	8.40E+01	
SE	8	L16557-08	5/17/2010	Mn-54	-2.80E+01	2.60E+01	1.10E+02	
SE	8	L16557-09	5/17/2010	Mn-54	-8.00E+00	3.80E+01	1.50E+02	
SE	8	L16557-07	5/17/2010	Nb-95	2.80E+01	3.70E+01	1.30E+02	
SE	8	L16557-08	5/17/2010	Nb-95	3.10E+01	4.10E+01	1.50E+02	
SE	8	L16557-09	5/17/2010	Nb-95	2.40E+01	4.70E+01	1.80E+02	
SE	8	L16557-09	5/17/2010	Ru-103	2.80E+01	3.10E+01	1.10E+02	
SE	8	L16557-07	5/17/2010	Ru-103	3.60E+01	3.50E+01	1.20E+02	
SE	8	L16557-08	5/17/2010	Ru-103	3.20E+01	3.50E+01	1.20E+02	
SE	8	L16557-07	5/17/2010	Ru-106	-1.00E+01	2.00E+02	7.70E+02	
SE	8	L16557-08	5/17/2010	Ru-106	-1.00E+02	2.10E+02	8.40E+02	
SE	8	L16557-09	5/17/2010	Ru-106	2.80E+02	2.20E+02	7.30E+02	
SE	8	L16557-07	5/17/2010	Sb-124	-1.80E+01	3.60E+01	2.00E+02	
SE	8	L16557-09	5/17/2010	Sb-124	-6.50E+01	9.00E+01	4.40E+02	
SE	8	L16557-08	5/17/2010	Sb-124	2.40E+01	4.40E+01	1.80E+02	
SE	8	L16557-07	5/17/2010	Sb-125	4.70E+01	6.80E+01	2.40E+02	
SE	8	L16557-08	5/17/2010	Sb-125	2.10E+01	6.60E+01	2.40E+02	
SE	8	L16557-09	5/17/2010	Sb-125	-4.40E+01	6.70E+01	2.80E+02	
SE	8	L16557-09	5/17/2010	Se-75	-6.30E+01	3.00E+01	1.30E+02	
SE	8	L16557-08	5/17/2010	Se-75	1.20E+01	3.00E+01	1.10E+02	
SE	8	L16557-07	5/17/2010	Se-75	-1.30E+01	3.30E+01	1.20E+02	
SE	8	L16557-07	5/17/2010	Zn-65	-5.90E+01	7.00E+01	2.80E+02	
SE	8	L16557-08	5/17/2010	Zn-65	-7.10E+01	6.90E+01	2.80E+02	
SE	8	L16557-09	5/17/2010	Zn-65	-2.36E+02	8.30E+01	4.10E+02	
SE	8	L16557-08	5/17/2010	Zr-95	-1.00E+01	5.00E+01	2.00E+02	
SE	8	L16557-07	5/17/2010	Zr-95	-1.10E+01	4.60E+01	1.90E+02	
SE	8	L16557-09	5/17/2010	Zr-95	8.00E+01	6.20E+01	2.10E+02	
SE	8	267311002	11/15/2010	Ac-228	5.62E+02	1.18E+02	4.09E+02	* UI
SE	8	267311002	11/15/2010	Ag-108m	-3.50E+00	1.48E+01	5.07E+01	
SE	8	267311002	11/15/2010	Ag-110m	-5.93E+00	2.53E+01	8.49E+01	
SE	8	267311002	11/15/2010	Ba-140	-4.30E+02	2.32E+02	6.49E+02	

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	
SE	8	267311002	11/15/2010	Be-7	2.62E+02	1.84E+02	6.85E+02	
SE	8	267311002	11/15/2010	Bi-214	2.52E+02	6.04E+01	1.24E+02	*
SE	8	267311002	11/15/2010	Ce-141	-1.68E+01	3.28E+01	1.14E+02	
SE	8	267311002	11/15/2010	Ce-144	8.26E+01	9.07E+01	3.32E+02	
SE	8	267311002	11/15/2010	Co-57	-7.61E+00	1.08E+01	3.78E+01	
SE	8	267311002	11/15/2010	Co-58	-1.78E+01	2.27E+01	7.39E+01	
SE	8	267311002	11/15/2010	Co-60	-2.71E+01	2.65E+01	7.95E+01	
SE	8	267311002	11/15/2010	Cr-51	9.82E+01	2.08E+02	7.56E+02	
SE	8	267311002	11/15/2010	Cs-134	3.13E+01	2.09E+01	7.98E+01	
SE	8	267311002	11/15/2010	Cs-137	5.45E+00	2.25E+01	7.64E+01	
SE	8	267311002	11/15/2010	Fe-59	-4.87E+01	5.98E+01	1.88E+02	
SE	8	267311002	11/15/2010	I-131	-1.16E+02	1.20E+02	4.01E+02	
SE	8	267311002	11/15/2010	K-40	2.17E+04	1.34E+03	5.17E+02	*
SE	8	267311002	11/15/2010	La-140	5.54E+01	5.30E+01	2.06E+02	
SE	8	267311002	11/15/2010	Mn-54	1.38E+01	2.07E+01	7.40E+01	
SE	8	267311002	11/15/2010	Nb-95	4.88E+00	2.17E+01	7.65E+01	
SE	8	267311002	11/15/2010	Pb-212	2.78E+02	8.21E+01	1.02E+02	*
SE	8	267311002	11/15/2010	Pb-214	3.05E+02	7.00E+01	1.90E+02	* UI
SE	8	267311002	11/15/2010	Ra-226	2.52E+02	6.04E+01	1.24E+02	*
SE	8	267311002	11/15/2010	Ru-103	-7.17E-01	2.06E+01	7.05E+01	
SE	8	267311002	11/15/2010	Ru-106	1.06E+02	1.75E+02	6.14E+02	
SE	8	267311002	11/15/2010	Sb-124	-1.40E+01	3.91E+01	1.23E+02	
SE	8	267311002	11/15/2010	Sb-125	-5.33E+00	3.95E+01	1.36E+02	
SE	8	267311002	11/15/2010	Se-75	-1.45E+01	2.15E+01	7.50E+01	
SE	8	267311002	11/15/2010	Th-228	2.78E+02	8.21E+01	1.02E+02	*
SE	8	267311002	11/15/2010	Th-230	2.52E+02	6.01E+01	1.24E+02	*
SE	8	267311002	11/15/2010	Tl-208	9.92E+01	2.82E+01	6.18E+01	* UI
SE	8	267311002	11/15/2010	Zn-65	6.35E+01	4.95E+01	1.63E+02	
SE	8	267311002	11/15/2010	Zr-95	-1.58E+01	4.21E+01	1.42E+02	
SE	52	L16557-10	5/18/2010	AcTh-228	3.37E+03	1.60E+02	4.40E+02	*
SE	52	L16557-11	5/18/2010	AcTh-228	1.24E+03	1.60E+02	5.20E+02	*
SE	52	L16557-12	5/18/2010	AcTh-228	1.32E+03	1.50E+02	4.60E+02	*
SE	52	L16557-12	5/18/2010	Ag-108m	-3.00E+00	2.80E+01	1.00E+02	
SE	52	L16557-10	5/18/2010	Ag-108m	-9.00E+00	3.20E+01	1.20E+02	
SE	52	L16557-11	5/18/2010	Ag-108m	-6.00E+00	3.20E+01	1.20E+02	
SE	52	L16557-11	5/18/2010	Ag-110m	-3.40E+01	3.40E+01	1.50E+02	
SE	52	L16557-10	5/18/2010	Ag-110m	8.10E+01	4.80E+01	1.50E+02	
SE	52	L16557-12	5/18/2010	Ag-110m	3.90E+01	3.40E+01	1.20E+02	
SE	52	L16557-12	5/18/2010	Ba-140	6.80E+02	4.70E+02	1.60E+03	
SE	52	L16557-10	5/18/2010	Ba-140	-1.52E+03	5.40E+02	2.20E+03	
SE	52	L16557-11	5/18/2010	Ba-140	9.00E+01	5.90E+02	2.10E+03	
SE	52	L16557-12	5/18/2010	Be-7	1.60E+02	3.90E+02	1.40E+03	
SE	52	L16557-10	5/18/2010	Be-7	1.20E+02	3.70E+02	1.30E+03	
SE	52	L16557-11	5/18/2010	Be-7	-8.00E+01	3.80E+02	1.40E+03	
SE	52	L16557-10	5/18/2010	Ce-141	1.20E+02	1.00E+02	3.30E+02	
SE	52	L16557-11	5/18/2010	Ce-141	1.90E+01	9.60E+01	3.30E+02	
SE	52	L16557-12	5/18/2010	Ce-141	-3.20E+01	8.20E+01	2.90E+02	
SE	52	L16557-12	5/18/2010	Ce-144	-1.50E+02	2.10E+02	7.70E+02	
SE	52	L16557-11	5/18/2010	Ce-144	-2.00E+01	2.00E+02	7.20E+02	
SE	52	L16557-10	5/18/2010	Ce-144	2.20E+02	2.10E+02	7.20E+02	
SE	52	L16557-12	5/18/2010	Co-57	-1.70E+01	2.50E+01	9.20E+01	

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	
SE	52	L16557-10	5/18/2010	Co-57	-2.60E+01	2.60E+01	9.10E+01	
SE	52	L16557-11	5/18/2010	Co-57	8.00E+00	3.00E+01	1.00E+02	
SE	52	L16557-12	5/18/2010	Co-58	2.70E+01	3.20E+01	1.10E+02	
SE	52	L16557-10	5/18/2010	Co-58	-3.40E+01	3.30E+01	1.30E+02	
SE	52	L16557-11	5/18/2010	Co-58	-6.50E+01	4.10E+01	1.70E+02	
SE	52	L16557-11	5/18/2010	Co-60	-1.50E+01	3.00E+01	1.20E+02	
SE	52	L16557-10	5/18/2010	Co-60	2.10E+01	3.30E+01	1.20E+02	
SE	52	L16557-12	5/18/2010	Co-60	0.00E+00	2.80E+01	1.10E+02	
SE	52	L16557-12	5/18/2010	Cr-51	-6.60E+02	5.00E+02	1.90E+03	
SE	52	L16557-11	5/18/2010	Cr-51	3.20E+02	5.80E+02	2.00E+03	
SE	52	L16557-10	5/18/2010	Cr-51	7.00E+01	5.20E+02	1.80E+03	
SE	52	L16557-12	5/18/2010	Cs-134	8.30E+01	3.40E+01	1.10E+02	
SE	52	L16557-10	5/18/2010	Cs-134	-6.00E+01	3.60E+01	1.40E+02	
SE	52	L16557-11	5/18/2010	Cs-134	7.90E+01	3.80E+01	1.20E+02	
SE	52	L16557-11	5/18/2010	Cs-137	1.50E+01	2.90E+01	1.10E+02	
SE	52	L16557-12	5/18/2010	Cs-137	-2.20E+01	2.80E+01	1.10E+02	
SE	52	L16557-10	5/18/2010	Cs-137	-5.60E+01	4.10E+01	1.60E+02	
SE	52	L16557-12	5/18/2010	Fe-59	-2.00E+00	8.00E+01	3.10E+02	
SE	52	L16557-11	5/18/2010	Fe-59	-1.73E+02	8.30E+01	3.80E+02	
SE	52	L16557-10	5/18/2010	Fe-59	9.00E+01	1.00E+02	3.50E+02	
SE	52	L16557-10	5/18/2010	I-131	8.40E+02	4.60E+02	1.50E+03	
SE	52	L16557-11	5/18/2010	I-131	-2.80E+02	4.00E+02	1.50E+03	
SE	52	L16557-12	5/18/2010	I-131	-2.10E+02	3.90E+02	1.50E+03	
SE	52	L16557-11	5/18/2010	K-40	1.19E+04	1.00E+03	1.40E+03	*
SE	52	L16557-12	5/18/2010	K-40	1.31E+04	9.90E+02	1.10E+03	*
SE	52	L16557-10	5/18/2010	K-40	1.17E+04	9.30E+02	1.30E+03	*
SE	52	L16557-12	5/18/2010	La-140	-1.10E+02	3.00E+02	1.10E+03	
SE	52	L16557-10	5/18/2010	La-140	3.30E+02	3.40E+02	1.10E+03	
SE	52	L16557-11	5/18/2010	La-140	3.00E+02	2.80E+02	9.60E+02	
SE	52	L16557-10	5/18/2010	Mn-54	-1.60E+01	3.40E+01	1.30E+02	
SE	52	L16557-11	5/18/2010	Mn-54	1.20E+01	3.60E+01	1.30E+02	
SE	52	L16557-12	5/18/2010	Mn-54	4.30E+01	3.50E+01	1.20E+02	
SE	52	L16557-11	5/18/2010	Nb-95	7.90E+01	6.00E+01	2.00E+02	
SE	52	L16557-12	5/18/2010	Nb-95	2.70E+01	6.20E+01	2.20E+02	
SE	52	L16557-10	5/18/2010	Nb-95	-4.10E+01	9.20E+01	3.30E+02	
SE	52	L16557-10	5/18/2010	Ru-103	-5.00E+01	5.10E+01	1.90E+02	
SE	52	L16557-12	5/18/2010	Ru-103	6.20E+01	5.30E+01	1.80E+02	
SE	52	L16557-11	5/18/2010	Ru-103	-9.00E+00	5.10E+01	1.90E+02	
SE	52	L16557-10	5/18/2010	Ru-106	2.20E+02	3.30E+02	1.10E+03	
SE	52	L16557-12	5/18/2010	Ru-106	-2.10E+02	2.20E+02	9.30E+02	
SE	52	L16557-11	5/18/2010	Ru-106	1.40E+02	2.60E+02	9.40E+02	
SE	52	L16557-11	5/18/2010	Sb-124	-1.30E+01	8.00E+01	3.40E+02	
SE	52	L16557-10	5/18/2010	Sb-124	-6.10E+01	8.60E+01	3.70E+02	
SE	52	L16557-12	5/18/2010	Sb-124	-1.04E+02	6.60E+01	3.30E+02	
SE	52	L16557-10	5/18/2010	Sb-125	-5.30E+01	9.70E+01	3.50E+02	
SE	52	L16557-12	5/18/2010	Sb-125	-2.12E+02	8.20E+01	3.40E+02	
SE	52	L16557-11	5/18/2010	Sb-125	-1.26E+02	9.10E+01	3.60E+02	
SE	52	L16557-12	5/18/2010	Se-75	7.20E+01	4.60E+01	1.50E+02	
SE	52	L16557-10	5/18/2010	Se-75	-3.30E+01	4.80E+01	1.70E+02	
SE	52	L16557-11	5/18/2010	Se-75	-4.50E+01	4.70E+01	1.70E+02	
SE	52	L16557-10	5/18/2010	Zn-65	-3.00E+01	1.70E+02	5.80E+02	

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	
SE	52	L16557-11	5/18/2010	Zn-65	6.00E+01	1.40E+02	4.80E+02	
SE	52	L16557-12	5/18/2010	Zn-65	-8.00E+01	1.30E+02	4.90E+02	
SE	52	L16557-11	5/18/2010	Zr-95	7.70E+01	6.50E+01	2.20E+02	
SE	52	L16557-12	5/18/2010	Zr-95	3.60E+01	7.10E+01	2.60E+02	
SE	52	L16557-10	5/18/2010	Zr-95	2.15E+02	8.20E+01	2.50E+02	
SE	52	267311005	11/16/2010	Ac-228	1.64E+03	1.99E+02	3.09E+02	*
SE	52	267311005	11/16/2010	Ag-108m	-2.65E+01	1.65E+01	5.02E+01	
SE	52	267311005	11/16/2010	Ag-110m	-1.40E+01	2.68E+01	8.49E+01	
SE	52	267311005	11/16/2010	Ba-140	-1.27E+02	2.35E+02	7.92E+02	
SE	52	267311005	11/16/2010	Be-7	4.84E+01	2.12E+02	7.15E+02	
SE	52	267311005	11/16/2010	Bi-214	9.78E+02	9.91E+01	1.37E+02	*
SE	52	267311005	11/16/2010	Ce-141	-3.08E+01	4.44E+01	1.49E+02	
SE	52	267311005	11/16/2010	Ce-144	8.64E+01	1.27E+02	4.46E+02	
SE	52	267311005	11/16/2010	Co-57	-5.38E+00	1.52E+01	5.23E+01	
SE	52	267311005	11/16/2010	Co-58	-1.44E+01	2.51E+01	8.07E+01	
SE	52	267311005	11/16/2010	Co-60	4.81E+01	2.60E+01	9.76E+01	
SE	52	267311005	11/16/2010	Cr-51	-2.94E+02	2.53E+02	8.31E+02	
SE	52	267311005	11/16/2010	Cs-134	7.10E+01	4.20E+01	1.14E+02	
SE	52	267311005	11/16/2010	Cs-137	-2.22E+01	2.02E+01	6.43E+01	
SE	52	267311005	11/16/2010	Fe-59	-3.81E+01	5.91E+01	1.91E+02	
SE	52	267311005	11/16/2010	I-131	7.90E+01	1.33E+02	4.65E+02	
SE	52	267311005	11/16/2010	K-40	1.38E+04	9.86E+02	3.64E+02	*
SE	52	267311005	11/16/2010	La-140	-1.88E+02	1.04E+02	2.95E+02	
SE	52	267311005	11/16/2010	Mn-54	-3.95E+00	2.46E+01	8.11E+01	
SE	52	267311005	11/16/2010	Nb-95	2.50E+01	3.20E+01	9.86E+01	
SE	52	267311005	11/16/2010	Pb-212	1.74E+03	1.24E+02	1.22E+02	*
SE	52	267311005	11/16/2010	Pb-214	1.36E+03	1.30E+02	1.50E+02	*
SE	52	267311005	11/16/2010	Ra-226	9.78E+02	9.91E+01	1.37E+02	*
SE	52	267311005	11/16/2010	Ra-228	1.64E+03	1.99E+02	3.09E+02	*
SE	52	267311005	11/16/2010	Ru-103	2.54E+01	2.65E+01	9.69E+01	
SE	52	267311005	11/16/2010	Ru-106	6.57E+01	1.88E+02	6.57E+02	
SE	52	267311005	11/16/2010	Sb-124	-7.95E+00	3.45E+01	1.11E+02	
SE	52	267311005	11/16/2010	Sb-125	8.05E+01	5.19E+01	1.88E+02	
SE	52	267311005	11/16/2010	Se-75	1.15E+01	2.87E+01	9.52E+01	
SE	52	267311005	11/16/2010	Th-228	1.74E+03	1.24E+02	1.22E+02	*
SE	52	267311005	11/16/2010	Th-230	9.78E+02	9.57E+01	1.37E+02	*
SE	52	267311005	11/16/2010	Th-232	1.64E+03	1.99E+02	3.09E+02	*
SE	52	267311005	11/16/2010	Tl-208	5.02E+02	5.24E+01	7.11E+01	*
SE	52	267311005	11/16/2010	Zn-65	-5.50E+00	5.58E+01	1.61E+02	
SE	52	267311005	11/16/2010	Zr-95	-5.22E+01	4.80E+01	1.51E+02	
SE	57	L16557-13	5/19/2010	AcTh-228	4.00E+02	1.30E+02	3.40E+02	
SE	57	L16557-15	5/19/2010	AcTh-228	1.80E+02	1.20E+02	3.90E+02	
SE	57	L16557-14	5/19/2010	AcTh-228	5.90E+02	1.50E+02	4.60E+02	*
SE	57	L16557-13	5/19/2010	Ag-108m	-1.90E+01	1.90E+01	8.30E+01	
SE	57	L16557-15	5/19/2010	Ag-108m	1.70E+01	1.80E+01	6.40E+01	
SE	57	L16557-14	5/19/2010	Ag-108m	2.70E+01	2.50E+01	8.70E+01	
SE	57	L16557-15	5/19/2010	Ag-110m	-4.00E+01	2.40E+01	1.20E+02	
SE	57	L16557-14	5/19/2010	Ag-110m	-1.30E+01	4.00E+01	1.70E+02	
SE	57	L16557-13	5/19/2010	Ag-110m	-1.20E+01	3.20E+01	1.50E+02	
SE	57	L16557-13	5/19/2010	Ba-140	-2.20E+02	3.80E+02	1.60E+03	

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	
SE	57	L16557-14	5/19/2010	Ba-140	5.80E+02	6.80E+02	2.50E+03	
SE	57	L16557-15	5/19/2010	Ba-140	-1.08E+03	6.60E+02	2.90E+03	
SE	57	L16557-13	5/19/2010	Be-7	-3.50E+02	3.20E+02	1.30E+03	
SE	57	L16557-15	5/19/2010	Be-7	-6.60E+02	3.00E+02	1.30E+03	
SE	57	L16557-14	5/19/2010	Be-7	-3.40E+02	3.40E+02	1.50E+03	
SE	57	L16557-14	5/19/2010	Ce-141	1.60E+01	9.00E+01	3.20E+02	
SE	57	L16557-15	5/19/2010	Ce-141	3.00E+00	6.90E+01	2.50E+02	
SE	57	L16557-13	5/19/2010	Ce-141	6.70E+01	6.60E+01	2.20E+02	
SE	57	L16557-13	5/19/2010	Ce-144	1.50E+02	1.70E+02	5.90E+02	
SE	57	L16557-15	5/19/2010	Ce-144	5.00E+01	1.50E+02	5.40E+02	
SE	57	L16557-14	5/19/2010	Ce-144	-4.00E+01	1.50E+02	5.80E+02	
SE	57	L16557-15	5/19/2010	Co-57	-3.50E+01	1.90E+01	7.60E+01	
SE	57	L16557-14	5/19/2010	Co-57	1.10E+01	2.20E+01	7.60E+01	
SE	57	L16557-13	5/19/2010	Co-57	1.20E+01	1.50E+01	5.40E+01	
SE	57	L16557-15	5/19/2010	Co-58	4.40E+01	2.30E+01	6.90E+01	
SE	57	L16557-14	5/19/2010	Co-58	-3.90E+01	3.10E+01	1.60E+02	
SE	57	L16557-13	5/19/2010	Co-58	-3.00E+00	3.20E+01	1.30E+02	
SE	57	L16557-15	5/19/2010	Co-60	7.00E+00	2.10E+01	8.40E+01	
SE	57	L16557-14	5/19/2010	Co-60	2.60E+01	2.40E+01	8.50E+01	
SE	57	L16557-13	5/19/2010	Co-60	2.30E+01	3.30E+01	1.20E+02	
SE	57	L16557-14	5/19/2010	Cr-51	-5.80E+02	4.70E+02	2.00E+03	
SE	57	L16557-15	5/19/2010	Cr-51	7.40E+02	4.70E+02	1.50E+03	
SE	57	L16557-13	5/19/2010	Cr-51	1.40E+02	3.30E+02	1.20E+03	
SE	57	L16557-15	5/19/2010	Cs-134	-1.20E+01	2.20E+01	1.20E+02	
SE	57	L16557-13	5/19/2010	Cs-134	6.20E+01	3.10E+01	1.20E+02	
SE	57	L16557-14	5/19/2010	Cs-134	-2.00E+00	2.50E+01	1.30E+02	
SE	57	L16557-13	5/19/2010	Cs-137	1.80E+01	2.60E+01	9.90E+01	
SE	57	L16557-14	5/19/2010	Cs-137	2.20E+01	3.90E+01	1.40E+02	
SE	57	L16557-15	5/19/2010	Cs-137	-1.70E+01	2.40E+01	9.70E+01	
SE	57	L16557-13	5/19/2010	Fe-59	1.00E+01	9.60E+01	3.90E+02	
SE	57	L16557-15	5/19/2010	Fe-59	-7.60E+01	8.20E+01	3.50E+02	
SE	57	L16557-14	5/19/2010	Fe-59	0.00E+00	1.40E+02	5.40E+02	
SE	57	L16557-15	5/19/2010	I-131	5.70E+02	6.50E+02	2.30E+03	
SE	57	L16557-14	5/19/2010	I-131	-6.70E+02	8.20E+02	3.40E+03	
SE	57	L16557-13	5/19/2010	I-131	4.90E+02	2.40E+02	7.00E+02	
SE	57	L16557-14	5/19/2010	K-40	1.33E+04	1.30E+03	1.60E+03	*
SE	57	L16557-13	5/19/2010	K-40	1.13E+04	1.10E+03	7.40E+02	*
SE	57	L16557-15	5/19/2010	K-40	1.25E+04	9.50E+02	8.80E+02	*
SE	57	L16557-14	5/19/2010	La-140	8.30E+02	4.90E+02	1.60E+03	
SE	57	L16557-13	5/19/2010	La-140	6.00E+01	2.00E+02	7.80E+02	
SE	57	L16557-15	5/19/2010	La-140	3.00E+01	3.30E+02	1.30E+03	
SE	57	L16557-13	5/19/2010	Mn-54	2.50E+01	3.00E+01	1.10E+02	
SE	57	L16557-14	5/19/2010	Mn-54	1.00E+01	3.60E+01	1.40E+02	
SE	57	L16557-15	5/19/2010	Mn-54	6.10E+01	2.70E+01	7.80E+01	
SE	57	L16557-14	5/19/2010	Nb-95	4.50E+01	5.60E+01	2.10E+02	
SE	57	L16557-13	5/19/2010	Nb-95	-1.30E+01	4.60E+01	1.90E+02	
SE	57	L16557-15	5/19/2010	Nb-95	-3.80E+01	4.40E+01	1.90E+02	
SE	57	L16557-13	5/19/2010	Ru-103	-3.80E+01	3.00E+01	1.40E+02	
SE	57	L16557-15	5/19/2010	Ru-103	7.00E+00	3.50E+01	1.30E+02	
SE	57	L16557-14	5/19/2010	Ru-103	-1.30E+01	4.80E+01	2.00E+02	
SE	57	L16557-15	5/19/2010	Ru-106	1.90E+02	2.00E+02	7.00E+02	

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	
SE	57	L16557-14	5/19/2010	Ru-106	-2.00E+01	3.20E+02	1.30E+03	
SE	57	L16557-13	5/19/2010	Ru-106	-1.90E+02	2.00E+02	9.40E+02	
SE	57	L16557-13	5/19/2010	Sb-124	7.00E+00	7.70E+01	3.60E+02	
SE	57	L16557-15	5/19/2010	Sb-124	2.60E+01	2.60E+01	7.10E+01	
SE	57	L16557-14	5/19/2010	Sb-124	4.00E+01	1.10E+02	4.60E+02	
SE	57	L16557-14	5/19/2010	Sb-125	-1.70E+01	7.10E+01	2.90E+02	
SE	57	L16557-13	5/19/2010	Sb-125	-4.70E+01	7.80E+01	3.10E+02	
SE	57	L16557-15	5/19/2010	Sb-125	0.00E+00	6.20E+01	2.40E+02	
SE	57	L16557-14	5/19/2010	Se-75	3.10E+01	3.60E+01	1.30E+02	
SE	57	L16557-15	5/19/2010	Se-75	-3.50E+01	3.80E+01	1.50E+02	
SE	57	L16557-13	5/19/2010	Se-75	9.00E+00	3.00E+01	1.10E+02	
SE	57	L16557-14	5/19/2010	Zn-65	-5.00E+01	1.00E+02	4.20E+02	
SE	57	L16557-13	5/19/2010	Zn-65	-2.60E+01	9.00E+01	3.60E+02	
SE	57	L16557-15	5/19/2010	Zn-65	3.10E+01	6.70E+01	2.50E+02	
SE	57	L16557-13	5/19/2010	Zr-95	9.60E+01	5.70E+01	1.80E+02	
SE	57	L16557-15	5/19/2010	Zr-95	0.00E+00	7.00E+01	2.70E+02	
SE	57	L16557-14	5/19/2010	Zr-95	3.70E+01	7.30E+01	2.80E+02	
SE	57	267311003	11/15/2010	Ac-228	5.44E+02	1.24E+02	3.82E+02	* UI
SE	57	267311003	11/15/2010	Ag-108m	-6.84E+00	1.12E+01	3.82E+01	
SE	57	267311003	11/15/2010	Ag-110m	-1.93E+01	1.96E+01	6.14E+01	
SE	57	267311003	11/15/2010	Ba-140	2.64E+02	1.86E+02	6.89E+02	
SE	57	267311003	11/15/2010	Be-7	-4.72E+01	1.47E+02	5.07E+02	
SE	57	267311003	11/15/2010	Bi-214	2.72E+02	5.24E+01	1.75E+02	* UI
SE	57	267311003	11/15/2010	Ce-141	4.94E+01	2.82E+01	1.10E+02	
SE	57	267311003	11/15/2010	Ce-144	-1.17E+02	7.02E+01	2.38E+02	
SE	57	267311003	11/15/2010	Co-57	5.59E+00	8.58E+00	3.28E+01	
SE	57	267311003	11/15/2010	Co-58	-2.21E+01	1.57E+01	4.74E+01	
SE	57	267311003	11/15/2010	Co-60	3.49E+00	1.87E+01	6.29E+01	
SE	57	267311003	11/15/2010	Cr-51	-3.56E+02	1.93E+02	5.75E+02	
SE	57	267311003	11/15/2010	Cs-134	3.11E+01	2.04E+01	7.58E+01	
SE	57	267311003	11/15/2010	Cs-137	-2.31E+01	1.70E+01	5.62E+01	
SE	57	267311003	11/15/2010	Fe-59	-4.27E+01	4.94E+01	1.54E+02	
SE	57	267311003	11/15/2010	I-131	1.32E+02	8.93E+01	3.50E+02	
SE	57	267311003	11/15/2010	K-40	1.70E+04	1.15E+03	6.65E+02	*
SE	57	267311003	11/15/2010	La-140	-8.59E+01	6.02E+01	1.57E+02	
SE	57	267311003	11/15/2010	Mn-54	-4.74E+01	1.67E+01	4.43E+01	
SE	57	267311003	11/15/2010	Nb-95	8.60E+00	1.67E+01	5.85E+01	
SE	57	267311003	11/15/2010	Pb-212	4.50E+02	6.35E+01	1.66E+02	* UI
SE	57	267311003	11/15/2010	Pb-214	4.32E+02	7.41E+01	1.91E+02	* UI
SE	57	267311003	11/15/2010	Ra-226	2.72E+02	5.24E+01	1.75E+02	* UI
SE	57	267311003	11/15/2010	Ru-103	2.19E+00	1.61E+01	5.68E+01	
SE	57	267311003	11/15/2010	Ru-106	1.37E+02	1.23E+02	4.57E+02	
SE	57	267311003	11/15/2010	Sb-124	7.56E-01	2.55E+01	8.59E+01	
SE	57	267311003	11/15/2010	Sb-125	8.61E+00	3.68E+01	1.33E+02	
SE	57	267311003	11/15/2010	Se-75	-1.44E+01	1.80E+01	5.96E+01	
SE	57	267311003	11/15/2010	Th-228	4.50E+02	6.35E+01	1.66E+02	* UI
SE	57	267311003	11/15/2010	Th-230	2.72E+02	5.19E+01	1.75E+02	* UI
SE	57	267311003	11/15/2010	Tl-208	1.24E+02	3.04E+01	4.97E+01	*
SE	57	267311003	11/15/2010	Zn-65	-1.40E+02	4.97E+01	1.29E+02	
SE	57	267311003	11/15/2010	Zr-95	-2.61E+01	3.11E+01	9.50E+01	

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	
TF	2	L16644-01	6/15/2010	AcTh-228	-1.80E+01	4.90E+01	2.00E+02	
TF	2	L16644-01	6/15/2010	Ag-108m	1.17E+01	8.70E+00	2.90E+01	
TF	2	L16644-01	6/15/2010	Ag-110m	9.00E+00	1.60E+01	6.20E+01	
TF	2	L16644-01	6/15/2010	Ba-140	1.30E+01	4.00E+01	1.60E+02	
TF	2	L16644-01	6/15/2010	Be-7	-1.34E+02	9.50E+01	4.20E+02	
TF	2	L16644-01	6/15/2010	Ce-141	-4.00E+00	1.60E+01	6.00E+01	
TF	2	L16644-01	6/15/2010	Ce-144	2.70E+01	4.70E+01	1.70E+02	
TF	2	L16644-01	6/15/2010	Co-57	3.10E+00	5.40E+00	2.00E+01	
TF	2	L16644-01	6/15/2010	Co-58	-3.00E+01	1.20E+01	6.10E+01	
TF	2	L16644-01	6/15/2010	Co-60	1.60E+01	1.40E+01	4.80E+01	
TF	2	L16644-01	6/15/2010	Cr-51	4.70E+01	9.80E+01	3.60E+02	
TF	2	L16644-01	6/15/2010	Cs-134	-8.40E+00	7.40E+00	4.40E+01	
TF	2	L16644-01	6/15/2010	Cs-137	-2.90E+01	1.30E+01	6.00E+01	
TF	2	L16644-01	6/15/2010	Fe-59	5.30E+01	2.50E+01	6.50E+01	
TF	2	L16644-01	6/15/2010	I-131	3.50E+01	3.50E+01	1.20E+02	
TF	2	L16644-01	6/15/2010	K-40	1.31E+03	3.10E+02	7.10E+02	*
TF	2	L16644-01	6/15/2010	La-140	1.30E+01	4.00E+01	1.60E+02	
TF	2	L16644-01	6/15/2010	Mn-54	6.00E+00	1.10E+01	4.20E+01	
TF	2	L16644-01	6/15/2010	Nb-95	1.20E+01	1.60E+01	5.70E+01	
TF	2	L16644-01	6/15/2010	Ru-103	-2.60E+01	1.30E+01	5.80E+01	
TF	2	L16644-01	6/15/2010	Ru-106	2.30E+02	1.20E+02	3.90E+02	
TF	2	L16644-01	6/15/2010	Sb-124	4.00E+01	3.80E+01	1.40E+02	
TF	2	L16644-01	6/15/2010	Sb-125	-6.00E+00	2.70E+01	1.10E+02	
TF	2	L16644-01	6/15/2010	Se-75	1.20E+01	1.20E+01	4.00E+01	
TF	2	L16644-01	6/15/2010	Zn-65	2.50E+01	2.20E+01	7.70E+01	
TF	2	L16644-01	6/15/2010	Zr-95	1.70E+01	2.20E+01	7.90E+01	
TF	2	L16727-01	7/27/2010	AcTh-228	-1.20E+01	4.40E+01	1.80E+02	
TF	2	L16727-01	7/27/2010	Ag-108m	5.00E+00	9.10E+00	3.30E+01	
TF	2	L16727-01	7/27/2010	Ag-110m	-5.00E+00	1.70E+01	7.00E+01	
TF	2	L16727-01	7/27/2010	Ba-140	3.20E+01	3.70E+01	1.30E+02	
TF	2	L16727-01	7/27/2010	Be-7	8.60E+01	9.60E+01	3.40E+02	
TF	2	L16727-01	7/27/2010	Ce-141	7.00E+00	1.40E+01	5.10E+01	
TF	2	L16727-01	7/27/2010	Ce-144	7.30E+01	4.60E+01	1.50E+02	
TF	2	L16727-01	7/27/2010	Co-57	-3.50E+00	5.00E+00	2.00E+01	
TF	2	L16727-01	7/27/2010	Co-58	-2.60E+00	5.50E+00	3.00E+01	
TF	2	L16727-01	7/27/2010	Co-60	1.00E+01	1.30E+01	5.10E+01	
TF	2	L16727-01	7/27/2010	Cr-51	-9.00E+00	8.90E+01	3.50E+02	
TF	2	L16727-01	7/27/2010	Cs-134	-6.60E+00	8.10E+00	4.60E+01	
TF	2	L16727-01	7/27/2010	Cs-137	-6.00E+00	1.20E+01	4.90E+01	
TF	2	L16727-01	7/27/2010	Fe-59	3.00E+00	3.00E+01	1.20E+02	
TF	2	L16727-01	7/27/2010	I-131	3.30E+01	2.70E+01	9.20E+01	
TF	2	L16727-01	7/27/2010	K-40	2.30E+03	3.80E+02	7.10E+02	*
TF	2	L16727-01	7/27/2010	La-140	3.20E+01	3.70E+01	1.30E+02	
TF	2	L16727-01	7/27/2010	Mn-54	-5.00E+00	1.30E+01	5.30E+01	
TF	2	L16727-01	7/27/2010	Nb-95	-1.70E+01	1.40E+01	6.20E+01	
TF	2	L16727-01	7/27/2010	Ru-103	8.30E+00	8.30E+00	3.00E+01	
TF	2	L16727-01	7/27/2010	Ru-106	-6.00E+01	1.10E+02	4.60E+02	
TF	2	L16727-01	7/27/2010	Sb-124	-3.80E+01	2.20E+01	1.40E+02	
TF	2	L16727-01	7/27/2010	Sb-125	2.90E+01	2.60E+01	8.80E+01	
TF	2	L16727-01	7/27/2010	Se-75	-1.19E+01	9.80E+00	4.20E+01	
TF	2	L16727-01	7/27/2010	Zn-65	-4.70E+01	2.90E+01	1.40E+02	

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	
TF	2	L16727-01	7/27/2010	Zr-95	-1.90E+01	2.60E+01	1.10E+02	
TF	2	L16755-01	8/24/2010	AcTh-228	-1.40E+01	4.20E+01	1.70E+02	
TF	2	L16755-01	8/24/2010	Ag-108m	-1.00E+01	8.10E+00	3.40E+01	
TF	2	L16755-01	8/24/2010	Ag-110m	-4.00E+00	1.70E+01	6.70E+01	
TF	2	L16755-01	8/24/2010	Ba-140	-2.00E+00	1.70E+01	7.80E+01	
TF	2	L16755-01	8/24/2010	Be-7	5.10E+01	8.10E+01	2.90E+02	
TF	2	L16755-01	8/24/2010	Ce-141	-6.00E+00	1.30E+01	4.70E+01	
TF	2	L16755-01	8/24/2010	Ce-144	1.10E+01	4.30E+01	1.50E+02	
TF	2	L16755-01	8/24/2010	Co-57	2.00E-01	4.60E+00	1.70E+01	
TF	2	L16755-01	8/24/2010	Co-58	-4.00E+00	1.10E+01	4.60E+01	
TF	2	L16755-01	8/24/2010	Co-60	1.58E+01	9.70E+00	2.90E+01	
TF	2	L16755-01	8/24/2010	Cr-51	1.60E+02	6.80E+01	2.00E+02	
TF	2	L16755-01	8/24/2010	Cs-134	1.10E+00	6.90E+00	3.50E+01	
TF	2	L16755-01	8/24/2010	Cs-137	-3.00E+00	1.00E+01	4.10E+01	
TF	2	L16755-01	8/24/2010	Fe-59	3.00E+00	2.40E+01	9.50E+01	
TF	2	L16755-01	8/24/2010	I-131	2.80E+01	1.80E+01	6.00E+01	
TF	2	L16755-01	8/24/2010	K-40	1.62E+03	2.80E+02	4.90E+02	*
TF	2	L16755-01	8/24/2010	La-140	-2.00E+00	1.70E+01	7.80E+01	
TF	2	L16755-01	8/24/2010	Mn-54	-5.30E+00	9.90E+00	4.20E+01	
TF	2	L16755-01	8/24/2010	Nb-95	9.00E+00	1.20E+01	4.20E+01	
TF	2	L16755-01	8/24/2010	Ru-103	-1.71E+01	8.60E+00	4.00E+01	
TF	2	L16755-01	8/24/2010	Ru-106	-1.00E+01	1.00E+02	4.00E+02	
TF	2	L16755-01	8/24/2010	Sb-124	-2.70E+01	3.50E+01	1.60E+02	
TF	2	L16755-01	8/24/2010	Sb-125	-2.00E+01	2.40E+01	9.80E+01	
TF	2	L16755-01	8/24/2010	Se-75	-1.70E+00	9.90E+00	3.80E+01	
TF	2	L16755-01	8/24/2010	Zn-65	1.70E+01	2.70E+01	9.90E+01	
TF	2	L16755-01	8/24/2010	Zr-95	-3.40E+01	1.90E+01	8.70E+01	
TF	3	L16644-02	6/15/2010	AcTh-228	1.60E+01	3.20E+01	1.20E+02	
TF	3	L16644-02	6/15/2010	Ag-108m	2.00E+00	8.20E+00	3.00E+01	
TF	3	L16644-02	6/15/2010	Ag-110m	-9.00E+00	1.40E+01	5.50E+01	
TF	3	L16644-02	6/15/2010	Ba-140	-1.90E+01	2.40E+01	1.10E+02	
TF	3	L16644-02	6/15/2010	Be-7	-1.70E+01	8.30E+01	3.20E+02	
TF	3	L16644-02	6/15/2010	Ce-141	7.00E+00	1.40E+01	4.90E+01	
TF	3	L16644-02	6/15/2010	Ce-144	1.27E+02	5.30E+01	1.70E+02	
TF	3	L16644-02	6/15/2010	Co-57	8.30E+00	6.50E+00	2.20E+01	
TF	3	L16644-02	6/15/2010	Co-58	-6.50E+00	8.40E+00	3.60E+01	
TF	3	L16644-02	6/15/2010	Co-60	1.30E+01	1.00E+01	3.50E+01	
TF	3	L16644-02	6/15/2010	Cr-51	-4.00E+01	1.20E+02	4.30E+02	
TF	3	L16644-02	6/15/2010	Cs-134	-4.20E+00	6.80E+00	3.60E+01	
TF	3	L16644-02	6/15/2010	Cs-137	-1.00E+00	1.00E+01	3.90E+01	
TF	3	L16644-02	6/15/2010	Fe-59	9.00E+00	1.90E+01	7.30E+01	
TF	3	L16644-02	6/15/2010	I-131	-6.10E+01	3.20E+01	1.30E+02	
TF	3	L16644-02	6/15/2010	K-40	1.22E+03	2.20E+02	5.10E+02	*
TF	3	L16644-02	6/15/2010	La-140	-1.90E+01	2.40E+01	1.10E+02	
TF	3	L16644-02	6/15/2010	Mn-54	-2.00E+00	1.00E+01	4.00E+01	
TF	3	L16644-02	6/15/2010	Nb-95	-1.70E+01	1.20E+01	5.20E+01	
TF	3	L16644-02	6/15/2010	Ru-103	7.00E+00	1.20E+01	4.10E+01	
TF	3	L16644-02	6/15/2010	Ru-106	1.20E+01	7.80E+01	3.00E+02	
TF	3	L16644-02	6/15/2010	Sb-124	1.00E+01	2.20E+01	8.90E+01	
TF	3	L16644-02	6/15/2010	Sb-125	-9.00E+00	2.70E+01	1.00E+02	
TF	3	L16644-02	6/15/2010	Se-75	-8.00E+00	1.10E+01	4.10E+01	

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	
TF	3	L16644-02	6/15/2010	Zn-65	-3.00E+01	2.40E+01	1.00E+02	
TF	3	L16644-02	6/15/2010	Zr-95	4.00E+00	1.60E+01	6.30E+01	
TF	3	L16727-02	7/27/2010	AcTh-228	-5.00E+00	4.60E+01	1.90E+02	
TF	3	L16727-02	7/27/2010	Ag-108m	-4.10E+00	7.70E+00	3.20E+01	
TF	3	L16727-02	7/27/2010	Ag-110m	-1.50E+01	2.10E+01	8.90E+01	
TF	3	L16727-02	7/27/2010	Ba-140	1.20E+01	2.70E+01	1.10E+02	
TF	3	L16727-02	7/27/2010	Be-7	6.80E+01	9.90E+01	3.60E+02	
TF	3	L16727-02	7/27/2010	Ce-141	-8.00E+00	1.60E+01	6.10E+01	
TF	3	L16727-02	7/27/2010	Ce-144	-2.80E+01	5.20E+01	2.00E+02	
TF	3	L16727-02	7/27/2010	Co-57	9.30E+00	6.30E+00	2.10E+01	
TF	3	L16727-02	7/27/2010	Co-58	1.80E+00	9.60E+00	4.00E+01	
TF	3	L16727-02	7/27/2010	Co-60	-1.20E+01	1.20E+01	6.10E+01	
TF	3	L16727-02	7/27/2010	Cr-51	8.30E+01	9.80E+01	3.50E+02	
TF	3	L16727-02	7/27/2010	Cs-134	-6.60E+00	9.50E+00	5.10E+01	
TF	3	L16727-02	7/27/2010	Cs-137	-6.00E+00	1.10E+01	4.80E+01	
TF	3	L16727-02	7/27/2010	Fe-59	6.30E+01	2.70E+01	6.60E+01	
TF	3	L16727-02	7/27/2010	I-131	-3.60E+01	3.00E+01	1.30E+02	
TF	3	L16727-02	7/27/2010	K-40	1.63E+03	3.40E+02	7.40E+02	*
TF	3	L16727-02	7/27/2010	La-140	1.20E+01	2.70E+01	1.10E+02	
TF	3	L16727-02	7/27/2010	Mn-54	-3.00E+00	1.20E+01	4.90E+01	
TF	3	L16727-02	7/27/2010	Nb-95	-1.10E+01	1.40E+01	6.30E+01	
TF	3	L16727-02	7/27/2010	Ru-103	6.00E+00	1.10E+01	4.10E+01	
TF	3	L16727-02	7/27/2010	Ru-106	5.00E+01	1.10E+02	4.10E+02	
TF	3	L16727-02	7/27/2010	Sb-124	-1.40E+01	2.50E+01	1.30E+02	
TF	3	L16727-02	7/27/2010	Sb-125	0.00E+00	3.10E+01	1.20E+02	
TF	3	L16727-02	7/27/2010	Se-75	-1.10E+01	1.20E+01	4.90E+01	
TF	3	L16727-02	7/27/2010	Zn-65	0.00E+00	3.00E+01	1.20E+02	
TF	3	L16727-02	7/27/2010	Zr-95	4.00E+00	1.80E+01	7.50E+01	
TF	3	L16755-02	8/24/2010	AcTh-228	2.20E+01	3.80E+01	1.40E+02	
TF	3	L16755-02	8/24/2010	Ag-108m	-1.03E+01	9.40E+00	3.90E+01	
TF	3	L16755-02	8/24/2010	Ag-110m	-1.60E+01	1.70E+01	7.40E+01	
TF	3	L16755-02	8/24/2010	Ba-140	2.50E+01	1.90E+01	6.10E+01	
TF	3	L16755-02	8/24/2010	Be-7	1.80E+01	8.30E+01	3.20E+02	
TF	3	L16755-02	8/24/2010	Ce-141	-2.40E+01	1.40E+01	5.50E+01	
TF	3	L16755-02	8/24/2010	Ce-144	-5.00E+01	4.30E+01	1.70E+02	
TF	3	L16755-02	8/24/2010	Co-57	8.00E+00	5.70E+00	1.90E+01	
TF	3	L16755-02	8/24/2010	Co-58	-2.70E+01	1.20E+01	5.60E+01	
TF	3	L16755-02	8/24/2010	Co-60	-9.00E+00	1.40E+01	6.20E+01	
TF	3	L16755-02	8/24/2010	Cr-51	4.30E+01	8.20E+01	3.00E+02	
TF	3	L16755-02	8/24/2010	Cs-134	7.20E+00	5.90E+00	3.10E+01	
TF	3	L16755-02	8/24/2010	Cs-137	-1.00E+00	1.20E+01	4.60E+01	
TF	3	L16755-02	8/24/2010	Fe-59	7.00E+00	2.60E+01	1.00E+02	
TF	3	L16755-02	8/24/2010	I-131	0.00E+00	2.10E+01	7.80E+01	
TF	3	L16755-02	8/24/2010	K-40	2.35E+03	3.70E+02	7.70E+02	*
TF	3	L16755-02	8/24/2010	La-140	2.50E+01	1.90E+01	6.10E+01	
TF	3	L16755-02	8/24/2010	Mn-54	0.00E+00	1.10E+01	4.30E+01	
TF	3	L16755-02	8/24/2010	Nb-95	-6.00E+00	1.10E+01	4.70E+01	
TF	3	L16755-02	8/24/2010	Ru-103	-1.10E+01	1.00E+01	4.30E+01	
TF	3	L16755-02	8/24/2010	Ru-106	-5.50E+01	9.90E+01	4.00E+02	
TF	3	L16755-02	8/24/2010	Sb-124	2.10E+01	2.90E+01	1.10E+02	
TF	3	L16755-02	8/24/2010	Sb-125	-1.60E+01	3.00E+01	1.20E+02	

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	
TF	3	L16755-02	8/24/2010	Se-75	8.00E+00	1.00E+01	3.70E+01	
TF	3	L16755-02	8/24/2010	Zn-65	7.00E+00	1.90E+01	7.70E+01	
TF	3	L16755-02	8/24/2010	Zr-95	-1.40E+01	1.90E+01	8.00E+01	
TF	6	L16644-03	6/15/2010	AcTh-228	1.01E+02	6.90E+01	2.30E+02	
TF	6	L16644-03	6/15/2010	Ag-108m	7.00E+00	1.10E+01	3.90E+01	
TF	6	L16644-03	6/15/2010	Ag-110m	-1.10E+01	1.80E+01	7.80E+01	
TF	6	L16644-03	6/15/2010	Ba-140	4.40E+01	3.20E+01	1.10E+02	
TF	6	L16644-03	6/15/2010	Be-7	5.00E+01	1.10E+02	4.10E+02	
TF	6	L16644-03	6/15/2010	Ce-141	-3.50E+01	1.50E+01	6.70E+01	
TF	6	L16644-03	6/15/2010	Ce-144	2.30E+01	5.00E+01	1.80E+02	
TF	6	L16644-03	6/15/2010	Co-57	-4.00E-01	6.90E+00	2.60E+01	
TF	6	L16644-03	6/15/2010	Co-58	-1.10E+01	1.30E+01	5.80E+01	
TF	6	L16644-03	6/15/2010	Co-60	1.40E+01	1.60E+01	6.10E+01	
TF	6	L16644-03	6/15/2010	Cr-51	6.00E+01	1.20E+02	4.30E+02	
TF	6	L16644-03	6/15/2010	Cs-134	-4.40E+00	8.70E+00	4.70E+01	
TF	6	L16644-03	6/15/2010	Cs-137	5.00E+00	1.30E+01	4.90E+01	
TF	6	L16644-03	6/15/2010	Fe-59	-3.00E+01	2.60E+01	1.30E+02	
TF	6	L16644-03	6/15/2010	I-131	-1.70E+01	3.10E+01	1.30E+02	
TF	6	L16644-03	6/15/2010	K-40	1.31E+03	3.30E+02	7.80E+02	*
TF	6	L16644-03	6/15/2010	La-140	4.40E+01	3.20E+01	1.10E+02	
TF	6	L16644-03	6/15/2010	Mn-54	-1.10E+01	1.10E+01	5.10E+01	
TF	6	L16644-03	6/15/2010	Nb-95	-1.00E+00	2.00E+01	7.80E+01	
TF	6	L16644-03	6/15/2010	Ru-103	1.00E+01	1.50E+01	5.30E+01	
TF	6	L16644-03	6/15/2010	Ru-106	5.80E+01	8.20E+01	3.10E+02	
TF	6	L16644-03	6/15/2010	Sb-124	1.60E+01	1.60E+01	4.20E+01	
TF	6	L16644-03	6/15/2010	Sb-125	-1.40E+01	3.70E+01	1.40E+02	
TF	6	L16644-03	6/15/2010	Se-75	1.90E+01	1.40E+01	4.70E+01	
TF	6	L16644-03	6/15/2010	Zn-65	3.70E+01	2.60E+01	8.60E+01	
TF	6	L16644-03	6/15/2010	Zr-95	3.00E+01	2.60E+01	9.10E+01	
TF	6	L16727-03	7/27/2010	AcTh-228	1.30E+01	6.30E+01	2.40E+02	
TF	6	L16727-03	7/27/2010	Ag-108m	-5.00E+00	1.10E+01	4.20E+01	
TF	6	L16727-03	7/27/2010	Ag-110m	0.00E+00	1.30E+01	5.80E+01	
TF	6	L16727-03	7/27/2010	Ba-140	-4.10E+01	2.30E+01	1.50E+02	
TF	6	L16727-03	7/27/2010	Be-7	7.00E+01	1.10E+02	4.00E+02	
TF	6	L16727-03	7/27/2010	Ce-141	-1.60E+01	1.80E+01	7.00E+01	
TF	6	L16727-03	7/27/2010	Ce-144	1.70E+01	5.10E+01	1.90E+02	
TF	6	L16727-03	7/27/2010	Co-57	-8.10E+00	5.80E+00	2.40E+01	
TF	6	L16727-03	7/27/2010	Co-58	2.10E+01	1.30E+01	4.00E+01	
TF	6	L16727-03	7/27/2010	Co-60	8.00E+00	1.70E+01	6.70E+01	
TF	6	L16727-03	7/27/2010	Cr-51	1.10E+02	1.00E+02	3.60E+02	
TF	6	L16727-03	7/27/2010	Cs-134	-7.00E+00	9.00E+00	4.90E+01	
TF	6	L16727-03	7/27/2010	Cs-137	1.10E+01	1.40E+01	4.90E+01	
TF	6	L16727-03	7/27/2010	Fe-59	-4.00E+01	3.10E+01	1.50E+02	
TF	6	L16727-03	7/27/2010	I-131	1.30E+01	3.40E+01	1.20E+02	
TF	6	L16727-03	7/27/2010	K-40	2.72E+03	4.60E+02	9.40E+02	*
TF	6	L16727-03	7/27/2010	La-140	-4.10E+01	2.30E+01	1.50E+02	
TF	6	L16727-03	7/27/2010	Mn-54	9.00E+00	1.10E+01	4.10E+01	
TF	6	L16727-03	7/27/2010	Nb-95	-1.30E+01	1.40E+01	6.30E+01	
TF	6	L16727-03	7/27/2010	Ru-103	1.30E+01	1.20E+01	4.20E+01	
TF	6	L16727-03	7/27/2010	Ru-106	-2.10E+02	1.50E+02	6.40E+02	
TF	6	L16727-03	7/27/2010	Sb-124	-1.60E+01	3.50E+01	1.70E+02	

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	
TF	6	L16727-03	7/27/2010	Sb-125	-7.00E+00	3.60E+01	1.40E+02	
TF	6	L16727-03	7/27/2010	Se-75	-5.00E+00	1.20E+01	4.70E+01	
TF	6	L16727-03	7/27/2010	Zn-65	-2.80E+01	3.10E+01	1.40E+02	
TF	6	L16727-03	7/27/2010	Zr-95	-1.20E+01	2.60E+01	1.10E+02	
TF	6	L16755-03	8/24/2010	AcTh-228	-1.40E+01	4.50E+01	1.80E+02	
TF	6	L16755-03	8/24/2010	Ag-108m	2.60E+01	1.00E+01	2.90E+01	
TF	6	L16755-03	8/24/2010	Ag-110m	-1.60E+01	1.40E+01	6.20E+01	
TF	6	L16755-03	8/24/2010	Ba-140	-2.00E+01	2.40E+01	1.10E+02	
TF	6	L16755-03	8/24/2010	Be-7	3.40E+01	8.40E+01	3.10E+02	
TF	6	L16755-03	8/24/2010	Ce-141	-2.60E+01	1.20E+01	5.00E+01	
TF	6	L16755-03	8/24/2010	Ce-144	2.90E+01	3.90E+01	1.40E+02	
TF	6	L16755-03	8/24/2010	Co-57	4.10E+00	4.70E+00	1.60E+01	
TF	6	L16755-03	8/24/2010	Co-58	1.40E+01	1.10E+01	3.90E+01	
TF	6	L16755-03	8/24/2010	Co-60	8.00E+00	5.70E+00	1.10E+01	
TF	6	L16755-03	8/24/2010	Cr-51	4.80E+01	7.10E+01	2.60E+02	
TF	6	L16755-03	8/24/2010	Cs-134	1.10E+00	7.20E+00	3.70E+01	
TF	6	L16755-03	8/24/2010	Cs-137	2.00E+00	1.10E+01	4.10E+01	
TF	6	L16755-03	8/24/2010	Fe-59	5.40E+01	2.20E+01	5.30E+01	
TF	6	L16755-03	8/24/2010	I-131	-7.00E+00	1.70E+01	6.60E+01	
TF	6	L16755-03	8/24/2010	K-40	1.36E+03	3.00E+02	7.20E+02	*
TF	6	L16755-03	8/24/2010	La-140	-2.00E+01	2.40E+01	1.10E+02	
TF	6	L16755-03	8/24/2010	Mn-54	0.00E+00	1.00E+01	4.10E+01	
TF	6	L16755-03	8/24/2010	Nb-95	-6.20E+00	8.90E+00	4.00E+01	
TF	6	L16755-03	8/24/2010	Ru-103	2.20E+00	8.40E+00	3.30E+01	
TF	6	L16755-03	8/24/2010	Ru-106	8.40E+01	9.20E+01	3.20E+02	
TF	6	L16755-03	8/24/2010	Sb-124	1.60E+01	3.60E+01	1.40E+02	
TF	6	L16755-03	8/24/2010	Sb-125	1.50E+01	2.60E+01	9.30E+01	
TF	6	L16755-03	8/24/2010	Se-75	-3.00E+00	1.10E+01	4.00E+01	
TF	6	L16755-03	8/24/2010	Zn-65	-5.40E+01	2.20E+01	1.10E+02	
TF	6	L16755-03	8/24/2010	Zr-95	-1.40E+01	1.50E+01	6.90E+01	

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	
TM	15	L16094-02	1/13/2010	AcTh-228	-5.40E+00	8.50E+00	3.20E+01	
TM	15	L16094-02	1/13/2010	Ag-108m	-8.00E-01	1.70E+00	6.40E+00	
TM	15	L16094-02	1/13/2010	Ag-110m	-1.70E+00	3.10E+00	1.20E+01	
TM	15	L16094-02	1/13/2010	Ba-140	5.30E+00	3.90E+00	1.30E+01	
TM	15	L16094-02	1/13/2010	Be-7	-1.50E+01	2.10E+01	7.90E+01	
TM	15	L16094-02	1/13/2010	Ce-141	-2.00E-01	3.70E+00	1.30E+01	
TM	15	L16094-02	1/13/2010	Ce-144	-1.50E+01	1.30E+01	4.80E+01	
TM	15	L16094-02	1/13/2010	Co-57	-8.00E-01	1.80E+00	6.30E+00	
TM	15	L16094-02	1/13/2010	Co-58	-1.50E+00	2.00E+00	7.80E+00	
TM	15	L16094-02	1/13/2010	Co-60	-7.00E-01	2.90E+00	1.10E+01	
TM	15	L16094-02	1/13/2010	Cr-51	-4.50E+01	2.10E+01	8.20E+01	
TM	15	L16094-02	1/13/2010	Cs-134	2.10E+00	1.50E+00	7.00E+00	
TM	15	L16094-02	1/13/2010	Cs-137	2.00E-01	2.40E+00	8.70E+00	
TM	15	L16094-02	1/13/2010	Fe-59	-6.50E+00	4.50E+00	1.80E+01	
TM	15	L16094-02	1/13/2010	I-131	9.00E-02	1.70E-01	8.30E-01	
TM	15	L16094-02	1/13/2010	I-131	1.20E+00	4.30E+00	1.50E+01	
TM	15	L16094-02	1/13/2010	K-40	1.15E+03	7.50E+01	1.10E+02	*
TM	15	L16094-02	1/13/2010	La-140	5.30E+00	3.90E+00	1.30E+01	
TM	15	L16094-02	1/13/2010	Mn-54	-2.40E+00	2.20E+00	8.60E+00	
TM	15	L16094-02	1/13/2010	Nb-95	-2.00E-01	2.50E+00	9.10E+00	
TM	15	L16094-02	1/13/2010	Ru-103	1.00E-01	2.40E+00	8.70E+00	
TM	15	L16094-02	1/13/2010	Ru-106	6.00E+00	2.10E+01	7.60E+01	
TM	15	L16094-02	1/13/2010	Sb-124	6.50E+00	4.10E+00	1.30E+01	
TM	15	L16094-02	1/13/2010	Sb-125	3.20E+00	5.50E+00	1.90E+01	
TM	15	L16094-02	1/13/2010	Se-75	2.00E-01	3.10E+00	1.10E+01	
TM	15	L16094-02	1/13/2010	Zn-65	-5.10E+00	5.10E+00	2.00E+01	
TM	15	L16094-02	1/13/2010	Zr-95	-4.80E+00	3.70E+00	1.50E+01	
TM	15	L16187-02	2/10/2010	AcTh-228	3.00E+00	8.10E+00	2.80E+01	
TM	15	L16187-02	2/10/2010	Ag-108m	-1.60E+00	1.70E+00	6.30E+00	
TM	15	L16187-02	2/10/2010	Ag-110m	-6.00E-01	2.90E+00	1.00E+01	
TM	15	L16187-02	2/10/2010	Ba-140	-1.10E+00	3.60E+00	1.40E+01	
TM	15	L16187-02	2/10/2010	Be-7	-7.00E+00	1.90E+01	6.80E+01	
TM	15	L16187-02	2/10/2010	Ce-141	3.90E+00	3.20E+00	1.10E+01	
TM	15	L16187-02	2/10/2010	Ce-144	8.00E+00	1.20E+01	4.00E+01	
TM	15	L16187-02	2/10/2010	Co-57	-1.00E+00	1.50E+00	5.30E+00	
TM	15	L16187-02	2/10/2010	Co-58	4.00E-01	2.00E+00	7.10E+00	
TM	15	L16187-02	2/10/2010	Co-60	-4.00E+00	2.20E+00	8.70E+00	
TM	15	L16187-02	2/10/2010	Cr-51	-2.90E+01	1.90E+01	6.90E+01	
TM	15	L16187-02	2/10/2010	Cs-134	-3.10E+00	1.50E+00	7.80E+00	
TM	15	L16187-02	2/10/2010	Cs-137	8.60E+00	2.60E+00	8.10E+00	*
TM	15	L16187-02	2/10/2010	Fe-59	-4.70E+00	4.90E+00	1.80E+01	
TM	15	L16187-02	2/10/2010	I-131	3.10E-01	2.40E-01	7.80E-01	
TM	15	L16187-02	2/10/2010	I-131	-6.00E-01	3.90E+00	1.40E+01	
TM	15	L16187-02	2/10/2010	K-40	1.83E+03	7.90E+01	1.00E+02	*
TM	15	L16187-02	2/10/2010	La-140	-1.10E+00	3.60E+00	1.40E+01	
TM	15	L16187-02	2/10/2010	Mn-54	6.00E-01	2.00E+00	7.10E+00	
TM	15	L16187-02	2/10/2010	Nb-95	1.90E+00	2.30E+00	7.70E+00	
TM	15	L16187-02	2/10/2010	Ru-103	-2.30E+00	2.40E+00	8.60E+00	
TM	15	L16187-02	2/10/2010	Ru-106	-8.00E+00	1.90E+01	6.70E+01	
TM	15	L16187-02	2/10/2010	Sb-124	8.00E-01	4.40E+00	1.60E+01	
TM	15	L16187-02	2/10/2010	Sb-125	-3.60E+00	5.10E+00	1.90E+01	

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	
TM	15	L16187-02	2/10/2010	Se-75	-7.00E-01	2.60E+00	9.20E+00	
TM	15	L16187-02	2/10/2010	Zn-65	-8.40E+00	5.10E+00	2.00E+01	
TM	15	L16187-02	2/10/2010	Zr-95	-4.70E+00	3.30E+00	1.30E+01	
TM	15	L16285-01	3/10/2010	AcTh-228	-2.37E+01	8.90E+00	3.70E+01	
TM	15	L16285-01	3/10/2010	Ag-108m	8.00E-01	1.90E+00	6.70E+00	
TM	15	L16285-01	3/10/2010	Ag-110m	0.00E+00	2.80E+00	1.00E+01	
TM	15	L16285-01	3/10/2010	Ba-140	2.00E-01	3.20E+00	1.20E+01	
TM	15	L16285-01	3/10/2010	Be-7	5.00E+00	1.90E+01	6.60E+01	
TM	15	L16285-01	3/10/2010	Ce-141	-3.00E+00	2.80E+00	1.00E+01	
TM	15	L16285-01	3/10/2010	Ce-144	1.60E+01	1.00E+01	3.30E+01	
TM	15	L16285-01	3/10/2010	Co-57	-1.70E+00	1.40E+00	5.00E+00	
TM	15	L16285-01	3/10/2010	Co-58	1.90E+00	2.20E+00	7.70E+00	
TM	15	L16285-01	3/10/2010	Co-60	-4.00E-01	2.40E+00	9.00E+00	
TM	15	L16285-01	3/10/2010	Cr-51	-1.80E+01	1.90E+01	6.80E+01	
TM	15	L16285-01	3/10/2010	Cs-134	4.00E-01	1.60E+00	7.60E+00	
TM	15	L16285-01	3/10/2010	Cs-137	1.50E+00	2.20E+00	7.80E+00	
TM	15	L16285-01	3/10/2010	Fe-59	-1.60E+00	4.70E+00	1.80E+01	
TM	15	L16285-01	3/10/2010	I-131	-2.70E+00	3.60E+00	1.30E+01	
TM	15	L16285-01	3/10/2010	I-131	4.00E-02	1.70E-01	9.40E-01	
TM	15	L16285-01	3/10/2010	K-40	1.46E+03	8.40E+01	1.10E+02	*
TM	15	L16285-01	3/10/2010	La-140	2.00E-01	3.20E+00	1.20E+01	
TM	15	L16285-01	3/10/2010	Mn-54	6.00E-01	2.00E+00	7.40E+00	
TM	15	L16285-01	3/10/2010	Nb-95	3.00E-01	2.30E+00	8.30E+00	
TM	15	L16285-01	3/10/2010	Ru-103	1.50E+00	2.40E+00	8.30E+00	
TM	15	L16285-01	3/10/2010	Ru-106	-3.90E+01	2.00E+01	7.80E+01	
TM	15	L16285-01	3/10/2010	Sb-124	5.10E+00	4.40E+00	1.50E+01	
TM	15	L16285-01	3/10/2010	Sb-125	-5.30E+00	5.30E+00	2.00E+01	
TM	15	L16285-01	3/10/2010	Se-75	-2.00E-01	2.40E+00	8.50E+00	
TM	15	L16285-01	3/10/2010	Zn-65	-3.30E+00	4.90E+00	1.90E+01	
TM	15	L16285-01	3/10/2010	Zr-95	2.20E+00	4.20E+00	1.50E+01	
TM	15	L16376-01	4/7/2010	AcTh-228	5.40E+00	6.30E+00	2.10E+01	
TM	15	L16376-01	4/7/2010	Ag-108m	5.00E-01	1.20E+00	4.20E+00	
TM	15	L16376-01	4/7/2010	Ag-110m	-1.80E+00	1.90E+00	6.80E+00	
TM	15	L16376-01	4/7/2010	Ba-140	-1.00E-01	3.10E+00	1.10E+01	
TM	15	L16376-01	4/7/2010	Be-7	-4.00E+00	1.40E+01	4.80E+01	
TM	15	L16376-01	4/7/2010	Ce-141	-3.00E-01	2.40E+00	8.20E+00	
TM	15	L16376-01	4/7/2010	Ce-144	1.13E+01	7.20E+00	2.40E+01	
TM	15	L16376-01	4/7/2010	Co-57	-8.70E-01	9.80E-01	3.40E+00	
TM	15	L16376-01	4/7/2010	Co-58	-1.60E+00	1.50E+00	5.30E+00	
TM	15	L16376-01	4/7/2010	Co-60	-1.10E+00	1.60E+00	5.90E+00	
TM	15	L16376-01	4/7/2010	Cr-51	-3.00E+00	1.40E+01	4.90E+01	
TM	15	L16376-01	4/7/2010	Cs-134	1.40E+00	1.20E+00	5.00E+00	
TM	15	L16376-01	4/7/2010	Cs-137	-1.50E+00	1.40E+00	5.20E+00	
TM	15	L16376-01	4/7/2010	Fe-59	-5.10E+00	3.50E+00	1.30E+01	
TM	15	L16376-01	4/7/2010	I-131	4.20E+00	4.50E+00	1.50E+01	
TM	15	L16376-01	4/7/2010	I-131	-1.02E-01	1.70E-02	9.50E-01	
TM	15	L16376-01	4/7/2010	K-40	1.59E+03	5.30E+01	6.30E+01	*
TM	15	L16376-01	4/7/2010	La-140	-1.00E-01	3.10E+00	1.10E+01	
TM	15	L16376-01	4/7/2010	Mn-54	-1.00E+00	1.40E+00	4.90E+00	
TM	15	L16376-01	4/7/2010	Nb-95	-1.70E+00	1.80E+00	6.60E+00	
TM	15	L16376-01	4/7/2010	Ru-103	-1.10E+00	1.70E+00	6.00E+00	

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	
TM	15	L16376-01	4/7/2010	Ru-106	-1.30E+01	1.20E+01	4.20E+01	
TM	15	L16376-01	4/7/2010	Sb-124	-3.00E+00	3.00E+00	1.20E+01	
TM	15	L16376-01	4/7/2010	Sb-125	-4.00E-01	3.60E+00	1.30E+01	
TM	15	L16376-01	4/7/2010	Se-75	1.00E+00	1.70E+00	5.90E+00	
TM	15	L16376-01	4/7/2010	Zn-65	-8.00E-01	3.50E+00	1.20E+01	
TM	15	L16376-01	4/7/2010	Zr-95	1.70E+00	2.70E+00	9.40E+00	
TM	15	L16438-01	4/21/2010	AcTh-228	4.30E+00	9.10E+00	3.20E+01	
TM	15	L16438-01	4/21/2010	Ag-108m	9.00E-01	1.80E+00	6.30E+00	
TM	15	L16438-01	4/21/2010	Ag-110m	-5.50E+00	3.50E+00	1.40E+01	
TM	15	L16438-01	4/21/2010	Ba-140	2.40E+00	3.50E+00	1.30E+01	
TM	15	L16438-01	4/21/2010	Be-7	2.00E+01	2.10E+01	7.20E+01	
TM	15	L16438-01	4/21/2010	Ce-141	2.80E+00	3.40E+00	1.20E+01	
TM	15	L16438-01	4/21/2010	Ce-144	-2.00E+01	1.40E+01	5.10E+01	
TM	15	L16438-01	4/21/2010	Co-57	-3.00E+00	1.80E+00	6.70E+00	
TM	15	L16438-01	4/21/2010	Co-58	-2.30E+00	2.30E+00	8.90E+00	
TM	15	L16438-01	4/21/2010	Co-60	7.00E-01	2.40E+00	8.90E+00	
TM	15	L16438-01	4/21/2010	Cr-51	-6.00E+00	2.20E+01	8.00E+01	
TM	15	L16438-01	4/21/2010	Cs-134	-1.30E+00	1.70E+00	9.00E+00	
TM	15	L16438-01	4/21/2010	Cs-137	1.60E+00	2.50E+00	8.90E+00	
TM	15	L16438-01	4/21/2010	Fe-59	-1.50E+00	5.30E+00	2.00E+01	
TM	15	L16438-01	4/21/2010	I-131	6.00E-02	1.70E-01	9.30E-01	
TM	15	L16438-01	4/21/2010	I-131	-2.20E+00	4.00E+00	1.50E+01	
TM	15	L16438-01	4/21/2010	K-40	1.78E+03	9.30E+01	1.10E+02	*
TM	15	L16438-01	4/21/2010	La-140	2.40E+00	3.50E+00	1.30E+01	
TM	15	L16438-01	4/21/2010	Mn-54	3.80E+00	2.40E+00	8.00E+00	
TM	15	L16438-01	4/21/2010	Nb-95	-3.30E+00	2.60E+00	1.00E+01	
TM	15	L16438-01	4/21/2010	Ru-103	-2.20E+00	3.00E+00	1.10E+01	
TM	15	L16438-01	4/21/2010	Ru-106	9.00E+00	2.40E+01	8.30E+01	
TM	15	L16438-01	4/21/2010	Sb-124	-9.30E+00	5.70E+00	2.50E+01	
TM	15	L16438-01	4/21/2010	Sb-125	3.40E+00	5.60E+00	2.00E+01	
TM	15	L16438-01	4/21/2010	Se-75	-1.50E+00	3.10E+00	1.10E+01	
TM	15	L16438-01	4/21/2010	Zn-65	-5.40E+00	5.40E+00	2.10E+01	
TM	15	L16438-01	4/21/2010	Zr-95	-4.60E+00	3.90E+00	1.60E+01	
TM	15	L16495-01	5/5/2010	AcTh-228	6.80E+00	7.10E+00	2.40E+01	
TM	15	L16495-01	5/5/2010	Ag-108m	-2.00E-01	1.50E+00	5.20E+00	
TM	15	L16495-01	5/5/2010	Ag-110m	-1.30E+00	2.40E+00	8.80E+00	
TM	15	L16495-01	5/5/2010	Ba-140	-4.10E+00	3.70E+00	1.50E+01	
TM	15	L16495-01	5/5/2010	Be-7	-6.00E+00	1.70E+01	6.20E+01	
TM	15	L16495-01	5/5/2010	Ce-141	3.10E+00	3.80E+00	1.30E+01	
TM	15	L16495-01	5/5/2010	Ce-144	-8.00E+00	1.00E+01	3.70E+01	
TM	15	L16495-01	5/5/2010	Co-57	-1.90E+00	1.30E+00	4.70E+00	
TM	15	L16495-01	5/5/2010	Co-58	-3.20E+00	1.80E+00	7.10E+00	
TM	15	L16495-01	5/5/2010	Co-60	-1.00E-01	1.90E+00	6.90E+00	
TM	15	L16495-01	5/5/2010	Cr-51	-1.00E+01	1.80E+01	6.30E+01	
TM	15	L16495-01	5/5/2010	Cs-134	2.00E-01	1.20E+00	6.00E+00	
TM	15	L16495-01	5/5/2010	Cs-137	4.40E+00	1.60E+00	4.70E+00	
TM	15	L16495-01	5/5/2010	Fe-59	-5.00E+00	4.40E+00	1.70E+01	
TM	15	L16495-01	5/5/2010	I-131	6.00E-02	1.70E-01	9.10E-01	
TM	15	L16495-01	5/5/2010	I-131	-1.10E+00	4.80E+00	1.70E+01	
TM	15	L16495-01	5/5/2010	K-40	1.53E+03	6.50E+01	8.10E+01	*
TM	15	L16495-01	5/5/2010	La-140	-4.10E+00	3.70E+00	1.50E+01	

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	
TM	15	L16495-01	5/5/2010	Mn-54	7.00E-01	1.80E+00	6.10E+00	
TM	15	L16495-01	5/5/2010	Nb-95	-7.00E-01	1.90E+00	6.90E+00	
TM	15	L16495-01	5/5/2010	Ru-103	-4.30E+00	2.10E+00	8.00E+00	
TM	15	L16495-01	5/5/2010	Ru-106	1.20E+01	1.80E+01	6.10E+01	
TM	15	L16495-01	5/5/2010	Sb-124	-7.00E-01	3.50E+00	1.40E+01	
TM	15	L16495-01	5/5/2010	Sb-125	2.20E+00	4.40E+00	1.50E+01	
TM	15	L16495-01	5/5/2010	Se-75	-2.70E+00	2.30E+00	8.10E+00	
TM	15	L16495-01	5/5/2010	Zn-65	-8.20E+00	4.30E+00	1.70E+01	
TM	15	L16495-01	5/5/2010	Zr-95	3.40E+00	2.90E+00	9.80E+00	
TM	15	L16538-01	5/19/2010	AcTh-228	3.00E+01	1.20E+01	3.60E+01	
TM	15	L16538-01	5/19/2010	Ag-108m	-7.00E-01	2.50E+00	9.30E+00	
TM	15	L16538-01	5/19/2010	Ag-110m	-2.90E+00	4.30E+00	1.70E+01	
TM	15	L16538-01	5/19/2010	Ba-140	8.00E+00	3.90E+00	1.00E+01	
TM	15	L16538-01	5/19/2010	Be-7	2.00E+01	2.10E+01	7.40E+01	
TM	15	L16538-01	5/19/2010	Ce-141	-3.50E+00	4.30E+00	1.60E+01	
TM	15	L16538-01	5/19/2010	Ce-144	7.00E+00	1.50E+01	5.20E+01	
TM	15	L16538-01	5/19/2010	Co-57	5.00E-01	1.70E+00	6.00E+00	
TM	15	L16538-01	5/19/2010	Co-58	-3.10E+00	2.90E+00	1.20E+01	
TM	15	L16538-01	5/19/2010	Co-60	-2.10E+00	2.90E+00	1.20E+01	
TM	15	L16538-01	5/19/2010	Cr-51	1.50E+01	2.50E+01	8.60E+01	
TM	15	L16538-01	5/19/2010	Cs-134	-9.00E-01	1.80E+00	9.80E+00	
TM	15	L16538-01	5/19/2010	Cs-137	1.70E+00	3.40E+00	1.20E+01	
TM	15	L16538-01	5/19/2010	Fe-59	-7.30E+00	6.50E+00	2.70E+01	
TM	15	L16538-01	5/19/2010	I-131	3.90E-01	2.90E-01	9.40E-01	
TM	15	L16538-01	5/19/2010	I-131	-4.20E+00	5.60E+00	2.10E+01	
TM	15	L16538-01	5/19/2010	K-40	1.78E+03	1.20E+02	1.60E+02	*
TM	15	L16538-01	5/19/2010	La-140	8.00E+00	3.90E+00	1.00E+01	
TM	15	L16538-01	5/19/2010	Mn-54	-2.50E+00	3.00E+00	1.20E+01	
TM	15	L16538-01	5/19/2010	Nb-95	3.40E+00	3.50E+00	1.20E+01	
TM	15	L16538-01	5/19/2010	Ru-103	-1.17E+01	3.50E+00	1.50E+01	
TM	15	L16538-01	5/19/2010	Ru-106	-2.60E+01	2.50E+01	1.00E+02	
TM	15	L16538-01	5/19/2010	Sb-124	-9.50E+00	7.10E+00	3.20E+01	
TM	15	L16538-01	5/19/2010	Sb-125	-7.70E+00	8.00E+00	3.10E+01	
TM	15	L16538-01	5/19/2010	Se-75	-4.70E+00	3.10E+00	1.20E+01	
TM	15	L16538-01	5/19/2010	Zn-65	-8.80E+00	5.90E+00	2.60E+01	
TM	15	L16538-01	5/19/2010	Zr-95	-4.50E+00	5.10E+00	2.10E+01	
TM	15	L16584-01	6/2/2010	AcTh-228	1.00E+00	7.20E+00	2.60E+01	
TM	15	L16584-01	6/2/2010	Ag-108m	-4.00E-01	1.40E+00	5.10E+00	
TM	15	L16584-01	6/2/2010	Ag-110m	6.00E+00	2.60E+00	8.00E+00	
TM	15	L16584-01	6/2/2010	Ba-140	-1.00E+00	3.80E+00	1.50E+01	
TM	15	L16584-01	6/2/2010	Be-7	-1.60E+01	1.40E+01	5.30E+01	
TM	15	L16584-01	6/2/2010	Ce-141	7.00E-01	2.40E+00	8.20E+00	
TM	15	L16584-01	6/2/2010	Ce-144	-1.43E+01	8.80E+00	3.20E+01	
TM	15	L16584-01	6/2/2010	Co-57	1.47E+00	9.70E-01	3.20E+00	
TM	15	L16584-01	6/2/2010	Co-58	-1.70E+00	1.80E+00	6.90E+00	
TM	15	L16584-01	6/2/2010	Co-60	-7.00E-01	2.70E+00	1.00E+01	
TM	15	L16584-01	6/2/2010	Cr-51	5.00E+00	1.40E+01	4.90E+01	
TM	15	L16584-01	6/2/2010	Cs-134	-1.50E+00	1.30E+00	6.50E+00	
TM	15	L16584-01	6/2/2010	Cs-137	-2.20E+00	2.00E+00	7.50E+00	
TM	15	L16584-01	6/2/2010	Fe-59	-1.60E+00	4.90E+00	2.70E+01	
TM	15	L16584-01	6/2/2010	I-131	3.00E+00	2.90E+00	9.60E+00	

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	
TM	15	L16584-01	6/2/2010	I-131	2.20E-01	2.20E-01	8.30E-01	
TM	15	L16584-01	6/2/2010	K-40	1.63E+03	8.10E+01	1.10E+02	*
TM	15	L16584-01	6/2/2010	La-140	-1.00E+00	3.80E+00	1.50E+01	
TM	15	L16584-01	6/2/2010	Mn-54	-9.00E-01	2.00E+00	7.50E+00	
TM	15	L16584-01	6/2/2010	Nb-95	4.60E+00	2.00E+00	6.10E+00	
TM	15	L16584-01	6/2/2010	Ru-103	0.00E+00	1.90E+00	6.80E+00	
TM	15	L16584-01	6/2/2010	Ru-106	-1.00E+01	1.90E+01	6.70E+01	
TM	15	L16584-01	6/2/2010	Sb-124	6.10E+00	5.60E+00	1.90E+01	
TM	15	L16584-01	6/2/2010	Sb-125	1.80E+00	4.70E+00	1.60E+01	
TM	15	L16584-01	6/2/2010	Se-75	1.10E+00	1.80E+00	6.20E+00	
TM	15	L16584-01	6/2/2010	Zn-65	-6.50E+00	5.50E+00	2.10E+01	
TM	15	L16584-01	6/2/2010	Zr-95	-1.20E+00	3.30E+00	1.20E+01	
TM	15	L16643-01	6/16/2010	AcTh-228	2.50E+00	6.40E+00	2.20E+01	
TM	15	L16643-01	6/16/2010	Ag-108m	-3.00E-01	1.40E+00	5.00E+00	
TM	15	L16643-01	6/16/2010	Ag-110m	1.20E+00	2.20E+00	7.60E+00	
TM	15	L16643-01	6/16/2010	Ba-140	5.00E-01	3.30E+00	1.20E+01	
TM	15	L16643-01	6/16/2010	Be-7	3.00E+00	1.70E+01	5.70E+01	
TM	15	L16643-01	6/16/2010	Ce-141	-8.90E+00	4.10E+00	1.50E+01	
TM	15	L16643-01	6/16/2010	Ce-144	-7.10E+00	9.60E+00	3.40E+01	
TM	15	L16643-01	6/16/2010	Co-57	-4.00E-01	1.30E+00	4.50E+00	
TM	15	L16643-01	6/16/2010	Co-58	-3.50E+00	1.60E+00	6.40E+00	
TM	15	L16643-01	6/16/2010	Co-60	-1.60E+00	1.90E+00	7.20E+00	
TM	15	L16643-01	6/16/2010	Cr-51	9.00E+00	1.70E+01	5.70E+01	
TM	15	L16643-01	6/16/2010	Cs-134	3.00E-01	1.30E+00	5.80E+00	
TM	15	L16643-01	6/16/2010	Cs-137	1.50E+00	2.00E+00	6.90E+00	
TM	15	L16643-01	6/16/2010	Fe-59	-4.90E+00	3.90E+00	1.50E+01	
TM	15	L16643-01	6/16/2010	I-131	1.10E-01	2.10E-01	9.00E-01	
TM	15	L16643-01	6/16/2010	I-131	5.20E+00	4.40E+00	1.50E+01	
TM	15	L16643-01	6/16/2010	K-40	1.81E+03	6.70E+01	8.50E+01	*
TM	15	L16643-01	6/16/2010	La-140	5.00E-01	3.30E+00	1.20E+01	
TM	15	L16643-01	6/16/2010	Mn-54	4.80E+00	1.70E+00	5.40E+00	
TM	15	L16643-01	6/16/2010	Nb-95	3.00E-01	2.00E+00	7.10E+00	
TM	15	L16643-01	6/16/2010	Ru-103	-7.00E-01	2.20E+00	7.70E+00	
TM	15	L16643-01	6/16/2010	Ru-106	1.50E+01	1.60E+01	5.30E+01	
TM	15	L16643-01	6/16/2010	Sb-124	5.40E+00	4.00E+00	1.30E+01	
TM	15	L16643-01	6/16/2010	Sb-125	2.00E+00	4.40E+00	1.50E+01	
TM	15	L16643-01	6/16/2010	Se-75	1.00E-01	2.20E+00	7.50E+00	
TM	15	L16643-01	6/16/2010	Zn-65	-1.60E+00	4.00E+00	1.40E+01	
TM	15	L16643-01	6/16/2010	Zr-95	-2.40E+00	2.80E+00	1.00E+01	
TM	15	L16715-01	7/14/2010	AcTh-228	-2.70E+00	6.00E+00	2.20E+01	
TM	15	L16715-01	7/14/2010	Ag-108m	3.00E-01	1.50E+00	5.10E+00	
TM	15	L16715-01	7/14/2010	Ag-110m	2.20E+00	2.30E+00	8.00E+00	
TM	15	L16715-01	7/14/2010	Ba-140	4.00E-01	2.80E+00	1.00E+01	
TM	15	L16715-01	7/14/2010	Be-7	8.00E+00	1.50E+01	5.00E+01	
TM	15	L16715-01	7/14/2010	Ce-141	-5.20E+00	2.60E+00	9.40E+00	
TM	15	L16715-01	7/14/2010	Ce-144	6.00E+00	8.90E+00	3.00E+01	
TM	15	L16715-01	7/14/2010	Co-57	1.00E+00	1.10E+00	3.60E+00	
TM	15	L16715-01	7/14/2010	Co-58	7.00E-01	1.60E+00	5.50E+00	
TM	15	L16715-01	7/14/2010	Co-60	1.30E+00	1.70E+00	5.80E+00	
TM	15	L16715-01	7/14/2010	Cr-51	-1.60E+01	1.30E+01	4.80E+01	
TM	15	L16715-01	7/14/2010	Cs-134	-5.00E-01	1.20E+00	5.70E+00	

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	
TM	15	L16715-01	7/14/2010	Cs-137	4.00E+00	1.70E+00	5.50E+00	
TM	15	L16715-01	7/14/2010	Fe-59	3.50E+00	4.20E+00	1.40E+01	
TM	15	L16715-01	7/14/2010	I-131	9.00E-02	1.90E-01	8.80E-01	
TM	15	L16715-01	7/14/2010	I-131	9.00E-01	2.80E+00	9.90E+00	
TM	15	L16715-01	7/14/2010	K-40	1.64E+03	6.60E+01	8.00E+01	*
TM	15	L16715-01	7/14/2010	La-140	4.00E-01	2.80E+00	1.00E+01	
TM	15	L16715-01	7/14/2010	Mn-54	1.00E+00	1.60E+00	5.50E+00	
TM	15	L16715-01	7/14/2010	Nb-95	1.30E+00	1.90E+00	6.60E+00	
TM	15	L16715-01	7/14/2010	Ru-103	-3.00E-01	1.70E+00	6.00E+00	
TM	15	L16715-01	7/14/2010	Ru-106	4.00E+00	1.40E+01	5.00E+01	
TM	15	L16715-01	7/14/2010	Sb-124	-6.00E-01	3.10E+00	1.20E+01	
TM	15	L16715-01	7/14/2010	Sb-125	-1.60E+00	4.30E+00	1.50E+01	
TM	15	L16715-01	7/14/2010	Se-75	4.00E+00	1.90E+00	6.20E+00	
TM	15	L16715-01	7/14/2010	Zn-65	3.10E+00	4.30E+00	1.50E+01	
TM	15	L16715-01	7/14/2010	Zr-95	-2.10E+00	2.80E+00	1.00E+01	
TM	15	L16725-01	7/28/2010	AcTh-228	8.10E+00	6.30E+00	2.10E+01	
TM	15	L16725-01	7/28/2010	Ag-108m	-7.00E-01	1.30E+00	4.50E+00	
TM	15	L16725-01	7/28/2010	Ag-110m	-4.00E-01	2.00E+00	7.20E+00	
TM	15	L16725-01	7/28/2010	Ba-140	-9.00E-01	2.90E+00	1.10E+01	
TM	15	L16725-01	7/28/2010	Be-7	9.00E+00	1.30E+01	4.60E+01	
TM	15	L16725-01	7/28/2010	Ce-141	-1.10E+00	1.80E+00	6.50E+00	
TM	15	L16725-01	7/28/2010	Ce-144	-4.30E+00	8.00E+00	2.80E+01	
TM	15	L16725-01	7/28/2010	Co-57	-5.00E-01	1.10E+00	3.70E+00	
TM	15	L16725-01	7/28/2010	Co-58	-2.80E+00	1.50E+00	5.90E+00	
TM	15	L16725-01	7/28/2010	Co-60	-1.00E-01	1.70E+00	6.10E+00	
TM	15	L16725-01	7/28/2010	Cr-51	-1.80E+01	1.50E+01	5.40E+01	
TM	15	L16725-01	7/28/2010	Cs-134	-4.00E-01	1.10E+00	5.10E+00	
TM	15	L16725-01	7/28/2010	Cs-137	8.20E+00	2.40E+00	7.30E+00	*
TM	15	L16725-01	7/28/2010	Fe-59	1.00E+00	4.10E+00	1.40E+01	
TM	15	L16725-01	7/28/2010	I-131	2.00E-02	1.00E-01	5.60E-01	
TM	15	L16725-01	7/28/2010	I-131	7.00E-01	3.60E+00	1.20E+01	
TM	15	L16725-01	7/28/2010	K-40	1.58E+03	5.70E+01	6.00E+01	*
TM	15	L16725-01	7/28/2010	La-140	-9.00E-01	2.90E+00	1.10E+01	
TM	15	L16725-01	7/28/2010	Mn-54	-7.00E-01	1.50E+00	5.30E+00	
TM	15	L16725-01	7/28/2010	Nb-95	-5.00E-01	2.00E+00	7.10E+00	
TM	15	L16725-01	7/28/2010	Ru-103	-2.20E+00	1.60E+00	5.80E+00	
TM	15	L16725-01	7/28/2010	Ru-106	5.00E+00	1.30E+01	4.50E+01	
TM	15	L16725-01	7/28/2010	Sb-124	-4.70E+00	3.10E+00	1.30E+01	
TM	15	L16725-01	7/28/2010	Sb-125	-7.00E-01	3.90E+00	1.40E+01	
TM	15	L16725-01	7/28/2010	Se-75	-1.80E+00	1.90E+00	6.50E+00	
TM	15	L16725-01	7/28/2010	Zn-65	-7.60E+00	3.70E+00	1.40E+01	
TM	15	L16725-01	7/28/2010	Zr-95	-2.50E+00	2.80E+00	1.00E+01	
TM	15	L16740-01	8/11/2010	AcTh-228	1.49E+01	5.60E+00	1.70E+01	
TM	15	L16740-01	8/11/2010	Ag-108m	5.00E-01	1.40E+00	4.80E+00	
TM	15	L16740-01	8/11/2010	Ag-110m	6.00E-01	2.20E+00	7.60E+00	
TM	15	L16740-01	8/11/2010	Ba-140	1.50E+00	3.50E+00	1.20E+01	
TM	15	L16740-01	8/11/2010	Be-7	-1.40E+01	1.60E+01	5.70E+01	
TM	15	L16740-01	8/11/2010	Ce-141	-4.20E+00	2.80E+00	9.90E+00	
TM	15	L16740-01	8/11/2010	Ce-144	-1.36E+01	9.20E+00	3.30E+01	
TM	15	L16740-01	8/11/2010	Co-57	1.20E+00	1.20E+00	4.00E+00	
TM	15	L16740-01	8/11/2010	Co-58	-9.00E-01	1.60E+00	5.70E+00	

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	
TM	15	L16740-01	8/11/2010	Co-60	-9.00E-01	2.00E+00	7.20E+00	
TM	15	L16740-01	8/11/2010	Cr-51	7.00E+00	1.70E+01	5.80E+01	
TM	15	L16740-01	8/11/2010	Cs-134	7.00E-01	1.20E+00	5.20E+00	
TM	15	L16740-01	8/11/2010	Cs-137	7.00E+00	2.20E+00	6.80E+00	*
TM	15	L16740-01	8/11/2010	Fe-59	-3.40E+00	3.80E+00	1.40E+01	
TM	15	L16740-01	8/11/2010	I-131	1.05E+01	4.90E+00	1.60E+01	
TM	15	L16740-01	8/11/2010	I-131	-3.00E-03	7.80E-02	4.70E-01	
TM	15	L16740-01	8/11/2010	K-40	1.83E+03	6.30E+01	7.00E+01	*
TM	15	L16740-01	8/11/2010	La-140	1.50E+00	3.50E+00	1.20E+01	
TM	15	L16740-01	8/11/2010	Mn-54	-1.00E-01	1.50E+00	5.40E+00	
TM	15	L16740-01	8/11/2010	Nb-95	1.50E+00	1.80E+00	6.30E+00	
TM	15	L16740-01	8/11/2010	Ru-103	-3.90E+00	2.00E+00	7.50E+00	
TM	15	L16740-01	8/11/2010	Ru-106	3.00E+00	1.60E+01	5.70E+01	
TM	15	L16740-01	8/11/2010	Sb-124	-6.00E-01	3.20E+00	1.20E+01	
TM	15	L16740-01	8/11/2010	Sb-125	-4.90E+00	3.90E+00	1.40E+01	
TM	15	L16740-01	8/11/2010	Se-75	4.00E+00	2.10E+00	6.90E+00	
TM	15	L16740-01	8/11/2010	Zn-65	-5.10E+00	4.10E+00	1.50E+01	
TM	15	L16740-01	8/11/2010	Zr-95	-7.10E+00	2.90E+00	1.10E+01	
TM	15	L16753-01	8/25/2010	AcTh-228	-6.10E+00	7.90E+00	3.00E+01	
TM	15	L16753-01	8/25/2010	Ag-108m	-2.90E+00	1.70E+00	6.50E+00	
TM	15	L16753-01	8/25/2010	Ag-110m	-7.00E-01	2.70E+00	9.90E+00	
TM	15	L16753-01	8/25/2010	Ba-140	6.00E-01	3.00E+00	1.10E+01	
TM	15	L16753-01	8/25/2010	Be-7	-1.20E+01	1.50E+01	5.60E+01	
TM	15	L16753-01	8/25/2010	Ce-141	-6.30E+00	2.80E+00	1.00E+01	
TM	15	L16753-01	8/25/2010	Ce-144	-3.00E+00	1.10E+01	3.70E+01	
TM	15	L16753-01	8/25/2010	Co-57	4.00E-01	1.40E+00	4.70E+00	
TM	15	L16753-01	8/25/2010	Co-58	5.00E-01	1.90E+00	7.00E+00	
TM	15	L16753-01	8/25/2010	Co-60	-9.00E-01	1.90E+00	7.30E+00	
TM	15	L16753-01	8/25/2010	Cr-51	2.30E+01	1.60E+01	5.20E+01	
TM	15	L16753-01	8/25/2010	Cs-134	-2.40E+00	1.40E+00	7.20E+00	
TM	15	L16753-01	8/25/2010	Cs-137	-1.80E+00	2.20E+00	8.10E+00	
TM	15	L16753-01	8/25/2010	Fe-59	1.00E-01	5.00E+00	1.80E+01	
TM	15	L16753-01	8/25/2010	I-131	3.50E+00	3.50E+00	1.20E+01	
TM	15	L16753-01	8/25/2010	I-131	6.00E-02	2.00E-01	9.80E-01	
TM	15	L16753-01	8/25/2010	K-40	1.53E+03	7.70E+01	9.50E+01	*
TM	15	L16753-01	8/25/2010	La-140	6.00E-01	3.00E+00	1.10E+01	
TM	15	L16753-01	8/25/2010	Mn-54	1.70E+00	1.90E+00	6.70E+00	
TM	15	L16753-01	8/25/2010	Nb-95	-5.00E-01	2.10E+00	7.80E+00	
TM	15	L16753-01	8/25/2010	Ru-103	-1.10E+00	2.30E+00	8.20E+00	
TM	15	L16753-01	8/25/2010	Ru-106	-1.30E+01	1.70E+01	6.50E+01	
TM	15	L16753-01	8/25/2010	Sb-124	-2.70E+00	4.30E+00	1.80E+01	
TM	15	L16753-01	8/25/2010	Sb-125	-2.70E+00	5.80E+00	2.10E+01	
TM	15	L16753-01	8/25/2010	Se-75	1.80E+00	2.50E+00	8.50E+00	
TM	15	L16753-01	8/25/2010	Zn-65	-4.00E-01	4.90E+00	1.80E+01	
TM	15	L16753-01	8/25/2010	Zr-95	4.80E+00	3.40E+00	1.10E+01	
TM	15	L16768-01	9/8/2010	AcTh-228	8.10E+00	5.60E+00	1.90E+01	
TM	15	L16768-01	9/8/2010	Ag-108m	5.00E-01	1.30E+00	4.50E+00	
TM	15	L16768-01	9/8/2010	Ag-110m	-1.50E+00	2.00E+00	7.50E+00	
TM	15	L16768-01	9/8/2010	Ba-140	7.00E-01	2.20E+00	8.10E+00	
TM	15	L16768-01	9/8/2010	Be-7	2.00E+01	1.30E+01	4.40E+01	
TM	15	L16768-01	9/8/2010	Ce-141	5.30E+00	2.10E+00	6.80E+00	

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	
TM	15	L16768-01	9/8/2010	Ce-144	-1.30E+00	8.10E+00	2.80E+01	
TM	15	L16768-01	9/8/2010	Co-57	1.70E+00	1.00E+00	3.40E+00	
TM	15	L16768-01	9/8/2010	Co-58	-8.00E-01	1.50E+00	5.50E+00	
TM	15	L16768-01	9/8/2010	Co-60	2.60E+00	1.80E+00	6.10E+00	
TM	15	L16768-01	9/8/2010	Cr-51	2.40E+01	1.20E+01	4.00E+01	
TM	15	L16768-01	9/8/2010	Cs-134	-1.00E-01	1.10E+00	5.30E+00	
TM	15	L16768-01	9/8/2010	Cs-137	1.94E+01	2.60E+00	7.20E+00	*
TM	15	L16768-01	9/8/2010	Fe-59	-5.00E+00	3.70E+00	1.40E+01	
TM	15	L16768-01	9/8/2010	I-131	-2.50E+00	2.50E+00	1.20E+01	
TM	15	L16768-01	9/8/2010	I-131	3.30E-01	2.40E-01	7.60E-01	
TM	15	L16768-01	9/8/2010	K-40	1.63E+03	5.90E+01	7.00E+01	*
TM	15	L16768-01	9/8/2010	La-140	7.00E-01	2.20E+00	8.10E+00	
TM	15	L16768-01	9/8/2010	Mn-54	3.00E-01	1.50E+00	5.20E+00	
TM	15	L16768-01	9/8/2010	Nb-95	-1.10E+00	1.70E+00	6.20E+00	
TM	15	L16768-01	9/8/2010	Ru-103	-2.40E+00	1.60E+00	5.80E+00	
TM	15	L16768-01	9/8/2010	Ru-106	-8.00E+00	1.20E+01	4.40E+01	
TM	15	L16768-01	9/8/2010	Sb-124	0.00E+00	2.90E+00	1.10E+01	
TM	15	L16768-01	9/8/2010	Sb-125	2.90E+00	4.10E+00	1.40E+01	
TM	15	L16768-01	9/8/2010	Se-75	5.00E-01	1.70E+00	6.00E+00	
TM	15	L16768-01	9/8/2010	Zn-65	4.40E+00	3.60E+00	1.20E+01	
TM	15	L16768-01	9/8/2010	Zr-95	-2.90E+00	2.60E+00	9.70E+00	
TM	15	L16775-01	9/22/2010	AcTh-228	5.70E+00	8.10E+00	2.80E+01	
TM	15	L16775-01	9/22/2010	Ag-108m	-1.60E+00	1.60E+00	6.00E+00	
TM	15	L16775-01	9/22/2010	Ag-110m	-3.00E-01	2.90E+00	1.10E+01	
TM	15	L16775-01	9/22/2010	Ba-140	-2.50E+00	3.40E+00	1.30E+01	
TM	15	L16775-01	9/22/2010	Be-7	2.00E+00	1.80E+01	6.40E+01	
TM	15	L16775-01	9/22/2010	Ce-141	-2.50E+00	3.20E+00	1.10E+01	
TM	15	L16775-01	9/22/2010	Ce-144	1.80E+01	1.20E+01	3.90E+01	
TM	15	L16775-01	9/22/2010	Co-57	0.00E+00	1.50E+00	5.30E+00	
TM	15	L16775-01	9/22/2010	Co-58	2.10E+00	2.10E+00	7.00E+00	
TM	15	L16775-01	9/22/2010	Co-60	-3.70E+00	2.50E+00	9.70E+00	
TM	15	L16775-01	9/22/2010	Cr-51	9.00E+00	1.80E+01	6.10E+01	
TM	15	L16775-01	9/22/2010	Cs-134	1.00E-01	1.60E+00	7.90E+00	
TM	15	L16775-01	9/22/2010	Cs-137	1.04E+01	3.10E+00	9.50E+00	*
TM	15	L16775-01	9/22/2010	Fe-59	-5.60E+00	5.00E+00	1.90E+01	
TM	15	L16775-01	9/22/2010	I-131	7.00E-01	4.00E+00	1.40E+01	
TM	15	L16775-01	9/22/2010	I-131	-5.30E-02	6.30E-02	4.40E-01	
TM	15	L16775-01	9/22/2010	K-40	1.73E+03	7.90E+01	1.00E+02	*
TM	15	L16775-01	9/22/2010	La-140	-2.50E+00	3.40E+00	1.30E+01	
TM	15	L16775-01	9/22/2010	Mn-54	2.00E-01	2.10E+00	7.40E+00	
TM	15	L16775-01	9/22/2010	Nb-95	2.70E+00	2.10E+00	7.10E+00	
TM	15	L16775-01	9/22/2010	Ru-103	-3.30E+00	2.40E+00	8.90E+00	
TM	15	L16775-01	9/22/2010	Ru-106	-3.00E+00	1.80E+01	6.40E+01	
TM	15	L16775-01	9/22/2010	Sb-124	-1.27E+01	4.70E+00	2.10E+01	
TM	15	L16775-01	9/22/2010	Sb-125	2.00E+00	5.30E+00	1.80E+01	
TM	15	L16775-01	9/22/2010	Se-75	-7.00E-01	2.50E+00	8.70E+00	
TM	15	L16775-01	9/22/2010	Zn-65	-5.10E+00	4.90E+00	1.90E+01	
TM	15	L16775-01	9/22/2010	Zr-95	2.90E+00	3.50E+00	1.20E+01	
TM	15	265445001	10/20/2010	Ac-228	5.76E+00	2.70E+00	9.07E+00	
TM	15	265445001	10/20/2010	Ag-108m	2.41E-01	5.43E-01	1.78E+00	
TM	15	265445001	10/20/2010	Ag-110m	-9.38E-01	6.84E-01	1.89E+00	

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	
TM	15	265445001	10/20/2010	Ba-140	-9.31E-01	3.99E+00	1.34E+01	
TM	15	265445001	10/20/2010	Be-7	4.46E+00	5.58E+00	1.83E+01	
TM	15	265445001	10/20/2010	Ce-141	1.72E+00	1.30E+00	3.86E+00	
TM	15	265445001	10/20/2010	Ce-144	-1.29E+00	3.98E+00	1.31E+01	
TM	15	265445001	10/20/2010	Co-57	-6.49E-01	5.13E-01	1.67E+00	
TM	15	265445001	10/20/2010	Co-58	-6.04E-01	6.57E-01	2.10E+00	
TM	15	265445001	10/20/2010	Co-60	-1.08E+00	6.93E-01	2.15E+00	
TM	15	265445001	10/20/2010	Cr-51	7.31E+00	6.30E+00	2.13E+01	
TM	15	265445001	10/20/2010	Cs-134	-5.69E-01	7.91E-01	2.54E+00	
TM	15	265445001	10/20/2010	Cs-137	8.51E+00	1.08E+00	2.03E+00	*
TM	15	265445001	10/20/2010	Fe-59	2.20E+00	1.61E+00	5.48E+00	
TM	15	265445001	10/20/2010	I-131	-1.27E-01	2.82E-01	9.02E-01	
TM	15	265445001	10/20/2010	K-40	1.80E+03	9.18E+01	1.82E+01	*
TM	15	265445001	10/20/2010	La-140	-6.30E-01	1.19E+00	3.89E+00	
TM	15	265445001	10/20/2010	Mn-54	-1.29E+00	6.64E-01	2.06E+00	
TM	15	265445001	10/20/2010	Nb-95	5.88E-01	6.70E-01	2.24E+00	
TM	15	265445001	10/20/2010	Ru-103	-1.70E+00	7.19E-01	2.18E+00	
TM	15	265445001	10/20/2010	Ru-106	-7.12E+00	5.02E+00	1.62E+01	
TM	15	265445001	10/20/2010	Sb-124	-5.54E-02	1.35E+00	4.47E+00	
TM	15	265445001	10/20/2010	Sb-125	-2.01E+00	1.59E+00	5.06E+00	
TM	15	265445001	10/20/2010	Se-75	-8.48E-01	7.96E-01	2.65E+00	
TM	15	265445001	10/20/2010	Th-228	5.73E-01	1.88E+00	3.86E+00	
TM	15	265445001	10/20/2010	Zn-65	-2.80E+00	1.81E+00	4.90E+00	
TM	15	265445001	10/20/2010	Zr-95	2.16E+00	1.21E+00	4.11E+00	
TM	15	267470001	11/17/2010	Ac-228	-2.92E+00	3.91E+00	1.04E+01	
TM	15	267470001	11/17/2010	Ag-108m	-4.24E-01	6.51E-01	2.07E+00	
TM	15	267470001	11/17/2010	Ag-110m	-3.93E-01	7.77E-01	2.19E+00	
TM	15	267470001	11/17/2010	Ba-140	-1.93E+00	3.50E+00	1.16E+01	
TM	15	267470001	11/17/2010	Be-7	-7.00E+00	6.58E+00	2.05E+01	
TM	15	267470001	11/17/2010	Ce-141	4.36E-01	1.34E+00	4.10E+00	
TM	15	267470001	11/17/2010	Ce-144	6.47E+00	4.73E+00	1.54E+01	
TM	15	267470001	11/17/2010	Co-57	2.69E-01	6.19E-01	2.01E+00	
TM	15	267470001	11/17/2010	Co-58	-8.85E-01	7.08E-01	2.22E+00	
TM	15	267470001	11/17/2010	Co-60	7.95E-01	8.08E-01	2.75E+00	
TM	15	267470001	11/17/2010	Cr-51	-1.47E+01	6.70E+00	2.10E+01	
TM	15	267470001	11/17/2010	Cs-134	-8.37E-01	8.93E-01	2.83E+00	
TM	15	267470001	11/17/2010	Cs-137	5.51E+00	1.23E+00	2.60E+00	*
TM	15	267470001	11/17/2010	Fe-59	6.10E-01	1.65E+00	5.58E+00	
TM	15	267470001	11/17/2010	I-131	1.94E-01	1.96E-01	6.60E-01	
TM	15	267470001	11/17/2010	K-40	1.76E+03	8.83E+01	2.48E+01	*
TM	15	267470001	11/17/2010	La-140	5.29E-01	9.89E-01	3.29E+00	
TM	15	267470001	11/17/2010	Mn-54	-1.55E+00	7.71E-01	2.35E+00	
TM	15	267470001	11/17/2010	Nb-95	1.68E+00	7.72E-01	2.67E+00	
TM	15	267470001	11/17/2010	Ru-103	-2.07E+00	7.39E-01	2.29E+00	
TM	15	267470001	11/17/2010	Ru-106	7.15E+00	6.24E+00	2.14E+01	
TM	15	267470001	11/17/2010	Sb-124	4.53E-01	1.60E+00	5.43E+00	
TM	15	267470001	11/17/2010	Sb-125	-1.63E+00	1.98E+00	6.26E+00	
TM	15	267470001	11/17/2010	Se-75	-4.40E-01	9.39E-01	3.10E+00	
TM	15	267470001	11/17/2010	Th-228	3.03E+00	2.22E+00	4.84E+00	
TM	15	267470001	11/17/2010	Zn-65	5.12E+00	1.99E+00	6.30E+00	
TM	15	267470001	11/17/2010	Zr-95	3.66E-01	1.32E+00	4.37E+00	

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	
TM	15	268959001	12/15/2010	Ac-228	-5.28E-01	4.26E+00	1.19E+01	
TM	15	268959001	12/15/2010	Ag-108m	-4.58E-01	7.17E-01	2.26E+00	
TM	15	268959001	12/15/2010	Ag-110m	2.61E-01	7.82E-01	2.26E+00	
TM	15	268959001	12/15/2010	Ba-140	7.63E-01	1.21E+00	4.16E+00	
TM	15	268959001	12/15/2010	Be-7	-3.37E+00	6.28E+00	2.08E+01	
TM	15	268959001	12/15/2010	Ce-141	4.16E-01	1.79E+00	4.82E+00	
TM	15	268959001	12/15/2010	Ce-144	5.54E+00	5.31E+00	1.72E+01	
TM	15	268959001	12/15/2010	Co-57	4.93E-02	7.14E-01	2.29E+00	
TM	15	268959001	12/15/2010	Co-58	-3.52E-02	8.54E-01	2.76E+00	
TM	15	268959001	12/15/2010	Co-60	-1.53E+00	9.63E-01	2.92E+00	
TM	15	268959001	12/15/2010	Cr-51	-3.65E+00	7.34E+00	2.37E+01	
TM	15	268959001	12/15/2010	Cs-134	1.12E-01	1.00E+00	3.25E+00	
TM	15	268959001	12/15/2010	Cs-137	7.27E+00	1.14E+00	2.68E+00	*
TM	15	268959001	12/15/2010	Fe-59	-2.57E+00	2.01E+00	6.38E+00	
TM	15	268959001	12/15/2010	I-131	2.84E-01	1.84E-01	6.16E-01	
TM	15	268959001	12/15/2010	K-40	1.50E+03	8.12E+01	2.68E+01	*
TM	15	268959001	12/15/2010	La-140	7.63E-01	1.21E+00	4.16E+00	
TM	15	268959001	12/15/2010	Mn-54	9.99E-01	8.57E-01	2.86E+00	
TM	15	268959001	12/15/2010	Nb-95	-1.14E-01	8.64E-01	2.80E+00	
TM	15	268959001	12/15/2010	Ru-103	-7.02E-01	7.95E-01	2.61E+00	
TM	15	268959001	12/15/2010	Ru-106	1.66E+01	6.92E+00	2.43E+01	
TM	15	268959001	12/15/2010	Sb-124	-5.56E-01	1.69E+00	5.51E+00	
TM	15	268959001	12/15/2010	Sb-125	6.73E-01	2.12E+00	6.83E+00	
TM	15	268959001	12/15/2010	Se-75	4.43E-01	1.03E+00	3.42E+00	
TM	15	268959001	12/15/2010	Th-228	-6.89E+00	2.59E+00	6.94E+00	
TM	15	268959001	12/15/2010	Zn-65	2.64E-01	2.06E+00	6.82E+00	
TM	15	268959001	12/15/2010	Zr-95	-1.06E+00	1.50E+00	4.76E+00	
TM	20	L16094-01	1/13/2010	AcTh-228	5.90E+00	8.70E+00	3.00E+01	
TM	20	L16094-01	1/13/2010	Ag-108m	9.00E-01	1.90E+00	6.70E+00	
TM	20	L16094-01	1/13/2010	Ag-110m	-4.00E-01	3.20E+00	1.10E+01	
TM	20	L16094-01	1/13/2010	Ba-140	-1.30E+00	3.80E+00	1.50E+01	
TM	20	L16094-01	1/13/2010	Be-7	-7.00E+00	2.00E+01	7.10E+01	
TM	20	L16094-01	1/13/2010	Ce-141	-4.50E+00	3.30E+00	1.20E+01	
TM	20	L16094-01	1/13/2010	Ce-144	0.00E+00	1.20E+01	4.30E+01	
TM	20	L16094-01	1/13/2010	Co-57	-1.40E+00	1.70E+00	6.00E+00	
TM	20	L16094-01	1/13/2010	Co-58	-1.70E+00	2.10E+00	8.00E+00	
TM	20	L16094-01	1/13/2010	Co-60	-1.80E+00	2.60E+00	9.80E+00	
TM	20	L16094-01	1/13/2010	Cr-51	1.80E+01	2.00E+01	6.60E+01	
TM	20	L16094-01	1/13/2010	Cs-134	-4.00E-01	2.10E+00	7.80E+00	
TM	20	L16094-01	1/13/2010	Cs-137	-3.40E+00	2.50E+00	9.50E+00	
TM	20	L16094-01	1/13/2010	Fe-59	-1.26E+01	5.00E+00	2.00E+01	
TM	20	L16094-01	1/13/2010	I-131	-7.90E-02	1.70E-02	8.80E-01	
TM	20	L16094-01	1/13/2010	I-131	-7.00E-01	4.30E+00	1.50E+01	
TM	20	L16094-01	1/13/2010	K-40	1.44E+03	7.70E+01	1.00E+02	*
TM	20	L16094-01	1/13/2010	La-140	-1.30E+00	3.80E+00	1.50E+01	
TM	20	L16094-01	1/13/2010	Mn-54	5.00E-01	2.20E+00	7.90E+00	
TM	20	L16094-01	1/13/2010	Nb-95	2.40E+00	4.10E+00	1.40E+01	
TM	20	L16094-01	1/13/2010	Ru-103	-1.90E+00	2.50E+00	9.20E+00	
TM	20	L16094-01	1/13/2010	Ru-106	1.00E+01	2.00E+01	7.00E+01	
TM	20	L16094-01	1/13/2010	Sb-124	1.00E+00	4.20E+00	1.60E+01	
TM	20	L16094-01	1/13/2010	Sb-125	-5.00E+00	6.30E+00	2.30E+01	

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	
TM	20	L16094-01	1/13/2010	Se-75	-2.90E+00	2.80E+00	1.00E+01	
TM	20	L16094-01	1/13/2010	Zn-65	-1.28E+01	6.40E+00	2.50E+01	
TM	20	L16094-01	1/13/2010	Zr-95	-2.50E+00	3.60E+00	1.40E+01	
TM	20	L16187-01	2/10/2010	AcTh-228	3.50E+00	7.90E+00	2.80E+01	
TM	20	L16187-01	2/10/2010	Ag-108m	1.70E+00	1.80E+00	6.20E+00	
TM	20	L16187-01	2/10/2010	Ag-110m	-2.50E+00	3.00E+00	1.10E+01	
TM	20	L16187-01	2/10/2010	Ba-140	-2.10E+00	3.20E+00	1.30E+01	
TM	20	L16187-01	2/10/2010	Be-7	2.00E+01	1.70E+01	5.90E+01	
TM	20	L16187-01	2/10/2010	Ce-141	-1.20E+00	2.90E+00	1.00E+01	
TM	20	L16187-01	2/10/2010	Ce-144	0.00E+00	1.00E+01	3.50E+01	
TM	20	L16187-01	2/10/2010	Co-57	-9.00E-01	1.30E+00	4.60E+00	
TM	20	L16187-01	2/10/2010	Co-58	2.10E+00	2.20E+00	7.50E+00	
TM	20	L16187-01	2/10/2010	Co-60	2.10E+00	2.20E+00	7.80E+00	
TM	20	L16187-01	2/10/2010	Cr-51	3.30E+01	1.80E+01	5.70E+01	
TM	20	L16187-01	2/10/2010	Cs-134	8.00E-01	2.20E+00	8.10E+00	
TM	20	L16187-01	2/10/2010	Cs-137	1.70E+00	1.90E+00	6.40E+00	
TM	20	L16187-01	2/10/2010	Fe-59	-1.30E+01	4.90E+00	2.00E+01	
TM	20	L16187-01	2/10/2010	I-131	4.00E-02	1.50E-01	8.10E-01	
TM	20	L16187-01	2/10/2010	I-131	1.40E+00	3.70E+00	1.30E+01	
TM	20	L16187-01	2/10/2010	K-40	1.24E+03	7.10E+01	1.00E+02	*
TM	20	L16187-01	2/10/2010	La-140	-2.10E+00	3.20E+00	1.30E+01	
TM	20	L16187-01	2/10/2010	Mn-54	-2.00E-01	2.20E+00	8.00E+00	
TM	20	L16187-01	2/10/2010	Nb-95	1.90E+00	2.50E+00	8.70E+00	
TM	20	L16187-01	2/10/2010	Ru-103	2.10E+00	2.40E+00	8.00E+00	
TM	20	L16187-01	2/10/2010	Ru-106	-1.30E+01	1.80E+01	6.60E+01	
TM	20	L16187-01	2/10/2010	Sb-124	-5.60E+00	3.60E+00	1.70E+01	
TM	20	L16187-01	2/10/2010	Sb-125	-2.50E+00	5.40E+00	1.90E+01	
TM	20	L16187-01	2/10/2010	Se-75	4.00E-01	2.40E+00	8.40E+00	
TM	20	L16187-01	2/10/2010	Zn-65	2.30E+00	8.90E+00	3.10E+01	
TM	20	L16187-01	2/10/2010	Zr-95	-1.80E+00	3.50E+00	1.30E+01	
TM	24	L16187-03	2/10/2010	AcTh-228	-8.70E+00	7.20E+00	2.70E+01	
TM	24	L16187-03	2/10/2010	Ag-108m	9.00E-01	1.50E+00	5.10E+00	
TM	24	L16187-03	2/10/2010	Ag-110m	5.00E-01	2.20E+00	7.70E+00	
TM	24	L16187-03	2/10/2010	Ba-140	6.00E-01	3.00E+00	1.10E+01	
TM	24	L16187-03	2/10/2010	Be-7	-6.00E+00	1.60E+01	5.50E+01	
TM	24	L16187-03	2/10/2010	Ce-141	-6.40E+00	2.70E+00	9.80E+00	
TM	24	L16187-03	2/10/2010	Ce-144	1.20E+01	1.00E+01	3.30E+01	
TM	24	L16187-03	2/10/2010	Co-57	-5.00E-01	1.20E+00	4.20E+00	
TM	24	L16187-03	2/10/2010	Co-58	-2.60E+00	1.70E+00	6.50E+00	
TM	24	L16187-03	2/10/2010	Co-60	3.90E+00	2.00E+00	6.30E+00	
TM	24	L16187-03	2/10/2010	Cr-51	-1.00E+01	1.60E+01	5.70E+01	
TM	24	L16187-03	2/10/2010	Cs-134	-5.00E-01	1.50E+00	6.90E+00	
TM	24	L16187-03	2/10/2010	Cs-137	8.80E+00	2.60E+00	8.00E+00	*
TM	24	L16187-03	2/10/2010	Fe-59	-3.80E+00	4.20E+00	1.60E+01	
TM	24	L16187-03	2/10/2010	I-131	-3.90E+00	3.20E+00	1.20E+01	
TM	24	L16187-03	2/10/2010	I-131	1.70E-01	1.90E-01	7.60E-01	
TM	24	L16187-03	2/10/2010	K-40	1.54E+03	6.70E+01	9.40E+01	*
TM	24	L16187-03	2/10/2010	La-140	6.00E-01	3.00E+00	1.10E+01	
TM	24	L16187-03	2/10/2010	Mn-54	-9.00E-01	1.80E+00	6.50E+00	
TM	24	L16187-03	2/10/2010	Nb-95	-3.60E+00	2.20E+00	8.40E+00	
TM	24	L16187-03	2/10/2010	Ru-103	-9.00E-01	1.90E+00	6.80E+00	

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	
TM	24	L16187-03	2/10/2010	Ru-106	-5.00E+00	1.50E+01	5.30E+01	
TM	24	L16187-03	2/10/2010	Sb-124	-5.60E+00	3.20E+00	1.40E+01	
TM	24	L16187-03	2/10/2010	Sb-125	-1.30E+00	4.70E+00	1.70E+01	
TM	24	L16187-03	2/10/2010	Se-75	1.30E+00	2.20E+00	7.30E+00	
TM	24	L16187-03	2/10/2010	Zn-65	-9.80E+00	4.00E+00	1.60E+01	
TM	24	L16187-03	2/10/2010	Zr-95	-4.40E+00	2.90E+00	1.10E+01	
TM	24	L16285-02	3/10/2010	AcTh-228	-2.00E+00	1.00E+01	3.60E+01	
TM	24	L16285-02	3/10/2010	Ag-108m	8.00E-01	1.90E+00	6.80E+00	
TM	24	L16285-02	3/10/2010	Ag-110m	1.20E+00	3.50E+00	1.20E+01	
TM	24	L16285-02	3/10/2010	Ba-140	4.40E+00	3.20E+00	1.10E+01	
TM	24	L16285-02	3/10/2010	Be-7	-1.40E+01	2.30E+01	8.20E+01	
TM	24	L16285-02	3/10/2010	Ce-141	-3.00E+00	3.50E+00	1.30E+01	
TM	24	L16285-02	3/10/2010	Ce-144	2.00E+00	1.20E+01	4.30E+01	
TM	24	L16285-02	3/10/2010	Co-57	3.50E+00	1.70E+00	5.40E+00	
TM	24	L16285-02	3/10/2010	Co-58	3.00E-01	2.20E+00	8.10E+00	
TM	24	L16285-02	3/10/2010	Co-60	4.00E-01	2.50E+00	9.10E+00	
TM	24	L16285-02	3/10/2010	Cr-51	3.40E+01	2.10E+01	7.00E+01	
TM	24	L16285-02	3/10/2010	Cs-134	-1.00E+00	1.70E+00	8.60E+00	
TM	24	L16285-02	3/10/2010	Cs-137	7.60E+00	3.20E+00	1.00E+01	
TM	24	L16285-02	3/10/2010	Fe-59	5.50E+00	4.90E+00	1.70E+01	
TM	24	L16285-02	3/10/2010	I-131	4.00E-02	1.70E-01	9.10E-01	
TM	24	L16285-02	3/10/2010	I-131	-8.60E+00	4.20E+00	1.60E+01	
TM	24	L16285-02	3/10/2010	K-40	1.71E+03	8.80E+01	1.10E+02	*
TM	24	L16285-02	3/10/2010	La-140	4.40E+00	3.20E+00	1.10E+01	
TM	24	L16285-02	3/10/2010	Mn-54	-3.80E+00	2.50E+00	9.80E+00	
TM	24	L16285-02	3/10/2010	Nb-95	-9.00E-01	2.30E+00	8.70E+00	
TM	24	L16285-02	3/10/2010	Ru-103	-1.90E+00	3.00E+00	1.10E+01	
TM	24	L16285-02	3/10/2010	Ru-106	2.10E+01	2.20E+01	7.50E+01	
TM	24	L16285-02	3/10/2010	Sb-124	7.30E+00	4.60E+00	1.50E+01	
TM	24	L16285-02	3/10/2010	Sb-125	9.10E+00	5.40E+00	1.80E+01	
TM	24	L16285-02	3/10/2010	Se-75	7.00E-01	3.20E+00	1.10E+01	
TM	24	L16285-02	3/10/2010	Zn-65	7.00E+00	4.70E+00	1.50E+01	
TM	24	L16285-02	3/10/2010	Zr-95	1.00E+00	3.90E+00	1.40E+01	
TM	24	L16376-02	4/7/2010	AcTh-228	-6.00E+00	1.10E+01	4.20E+01	
TM	24	L16376-02	4/7/2010	Ag-108m	-1.20E+00	2.00E+00	7.50E+00	
TM	24	L16376-02	4/7/2010	Ag-110m	-6.50E+00	3.00E+00	1.30E+01	
TM	24	L16376-02	4/7/2010	Ba-140	0.00E+00	3.60E+00	1.50E+01	
TM	24	L16376-02	4/7/2010	Be-7	-1.00E+01	2.30E+01	8.60E+01	
TM	24	L16376-02	4/7/2010	Ce-141	-4.10E+00	2.80E+00	1.00E+01	
TM	24	L16376-02	4/7/2010	Ce-144	3.00E+00	1.00E+01	3.60E+01	
TM	24	L16376-02	4/7/2010	Co-57	1.60E+00	1.30E+00	4.50E+00	
TM	24	L16376-02	4/7/2010	Co-58	-1.40E+00	2.40E+00	9.30E+00	
TM	24	L16376-02	4/7/2010	Co-60	-6.80E+00	3.00E+00	1.40E+01	
TM	24	L16376-02	4/7/2010	Cr-51	-5.00E+00	2.10E+01	7.60E+01	
TM	24	L16376-02	4/7/2010	Cs-134	-4.00E-01	1.70E+00	8.30E+00	
TM	24	L16376-02	4/7/2010	Cs-137	2.80E+00	3.70E+00	1.30E+01	
TM	24	L16376-02	4/7/2010	Fe-59	5.00E+00	7.10E+00	2.50E+01	
TM	24	L16376-02	4/7/2010	I-131	-1.00E-02	9.60E-02	5.90E-01	
TM	24	L16376-02	4/7/2010	I-131	6.60E+00	3.90E+00	1.30E+01	
TM	24	L16376-02	4/7/2010	K-40	1.74E+03	1.10E+02	1.60E+02	*
TM	24	L16376-02	4/7/2010	La-140	0.00E+00	3.60E+00	1.50E+01	

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	
TM	24	L16376-02	4/7/2010	Mn-54	2.70E+00	2.60E+00	9.00E+00	
TM	24	L16376-02	4/7/2010	Nb-95	-1.00E-01	3.00E+00	1.10E+01	
TM	24	L16376-02	4/7/2010	Ru-103	-4.60E+00	2.40E+00	9.90E+00	
TM	24	L16376-02	4/7/2010	Ru-106	-1.90E+01	2.30E+01	8.80E+01	
TM	24	L16376-02	4/7/2010	Sb-124	9.80E+00	6.50E+00	2.10E+01	
TM	24	L16376-02	4/7/2010	Sb-125	5.30E+00	6.60E+00	2.30E+01	
TM	24	L16376-02	4/7/2010	Se-75	2.70E+00	2.60E+00	8.70E+00	
TM	24	L16376-02	4/7/2010	Zn-65	-1.74E+01	7.50E+00	3.10E+01	
TM	24	L16376-02	4/7/2010	Zr-95	-5.20E+00	5.50E+00	2.10E+01	
TM	24	L16438-02	4/21/2010	AcTh-228	1.30E+01	7.80E+00	2.60E+01	
TM	24	L16438-02	4/21/2010	Ag-108m	5.00E-01	1.40E+00	5.00E+00	
TM	24	L16438-02	4/21/2010	Ag-110m	7.00E-01	2.50E+00	8.90E+00	
TM	24	L16438-02	4/21/2010	Ba-140	-3.90E+00	3.00E+00	1.30E+01	
TM	24	L16438-02	4/21/2010	Be-7	-2.80E+01	1.60E+01	5.90E+01	
TM	24	L16438-02	4/21/2010	Ce-141	-5.00E-01	2.20E+00	7.70E+00	
TM	24	L16438-02	4/21/2010	Ce-144	0.00E+00	7.70E+00	2.70E+01	
TM	24	L16438-02	4/21/2010	Co-57	-1.22E+00	9.60E-01	3.40E+00	
TM	24	L16438-02	4/21/2010	Co-58	2.00E-01	2.00E+00	7.10E+00	
TM	24	L16438-02	4/21/2010	Co-60	2.10E+00	2.30E+00	8.00E+00	
TM	24	L16438-02	4/21/2010	Cr-51	1.70E+01	1.40E+01	4.80E+01	
TM	24	L16438-02	4/21/2010	Cs-134	-7.00E-01	1.30E+00	5.90E+00	
TM	24	L16438-02	4/21/2010	Cs-137	5.10E+00	2.80E+00	9.00E+00	
TM	24	L16438-02	4/21/2010	Fe-59	1.00E+00	4.80E+00	1.70E+01	
TM	24	L16438-02	4/21/2010	I-131	1.50E+00	3.00E+00	1.00E+01	
TM	24	L16438-02	4/21/2010	I-131	5.70E-01	3.40E-01	9.00E-01	
TM	24	L16438-02	4/21/2010	K-40	1.53E+03	7.60E+01	1.20E+02	*
TM	24	L16438-02	4/21/2010	La-140	-3.90E+00	3.00E+00	1.30E+01	
TM	24	L16438-02	4/21/2010	Mn-54	-2.70E+00	1.70E+00	6.70E+00	
TM	24	L16438-02	4/21/2010	Nb-95	-4.90E+00	2.30E+00	8.70E+00	
TM	24	L16438-02	4/21/2010	Ru-103	1.00E+00	1.90E+00	6.50E+00	
TM	24	L16438-02	4/21/2010	Ru-106	2.60E+01	1.90E+01	6.30E+01	
TM	24	L16438-02	4/21/2010	Sb-124	-4.10E+00	4.70E+00	1.90E+01	
TM	24	L16438-02	4/21/2010	Sb-125	3.00E+00	4.50E+00	1.50E+01	
TM	24	L16438-02	4/21/2010	Se-75	-7.00E-01	1.90E+00	6.80E+00	
TM	24	L16438-02	4/21/2010	Zn-65	-3.10E+00	4.70E+00	1.70E+01	
TM	24	L16438-02	4/21/2010	Zr-95	-1.20E+00	3.40E+00	1.20E+01	
TM	24	L16495-02	5/5/2010	AcTh-228	6.30E+00	6.50E+00	2.20E+01	
TM	24	L16495-02	5/5/2010	Ag-108m	-1.00E-01	1.20E+00	4.20E+00	
TM	24	L16495-02	5/5/2010	Ag-110m	3.80E+00	2.40E+00	8.00E+00	
TM	24	L16495-02	5/5/2010	Ba-140	6.90E+00	3.50E+00	1.10E+01	
TM	24	L16495-02	5/5/2010	Be-7	-1.70E+01	1.70E+01	6.10E+01	
TM	24	L16495-02	5/5/2010	Ce-141	6.00E-01	2.80E+00	9.50E+00	
TM	24	L16495-02	5/5/2010	Ce-144	-7.90E+00	9.20E+00	3.20E+01	
TM	24	L16495-02	5/5/2010	Co-57	3.00E-01	1.20E+00	4.10E+00	
TM	24	L16495-02	5/5/2010	Co-58	1.00E-01	1.70E+00	6.10E+00	
TM	24	L16495-02	5/5/2010	Co-60	-3.20E+00	1.80E+00	6.90E+00	
TM	24	L16495-02	5/5/2010	Cr-51	-1.70E+01	1.80E+01	6.20E+01	
TM	24	L16495-02	5/5/2010	Cs-134	8.00E-01	1.10E+00	5.10E+00	
TM	24	L16495-02	5/5/2010	Cs-137	2.60E+00	1.80E+00	5.90E+00	
TM	24	L16495-02	5/5/2010	Fe-59	3.40E+00	4.40E+00	1.50E+01	
TM	24	L16495-02	5/5/2010	I-131	1.80E+00	5.30E+00	1.80E+01	

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	
TM	24	L16495-02	5/5/2010	I-131	-8.90E-02	1.70E-02	8.70E-01	
TM	24	L16495-02	5/5/2010	K-40	1.85E+03	6.50E+01	8.50E+01	*
TM	24	L16495-02	5/5/2010	La-140	6.90E+00	3.50E+00	1.10E+01	
TM	24	L16495-02	5/5/2010	Mn-54	-1.70E+00	1.70E+00	6.10E+00	
TM	24	L16495-02	5/5/2010	Nb-95	-1.00E-01	1.90E+00	6.80E+00	
TM	24	L16495-02	5/5/2010	Ru-103	-2.20E+00	2.20E+00	7.90E+00	
TM	24	L16495-02	5/5/2010	Ru-106	-1.30E+01	1.60E+01	5.70E+01	
TM	24	L16495-02	5/5/2010	Sb-124	2.20E+00	3.90E+00	1.40E+01	
TM	24	L16495-02	5/5/2010	Sb-125	3.90E+00	4.00E+00	1.40E+01	
TM	24	L16495-02	5/5/2010	Se-75	8.00E-01	2.20E+00	7.40E+00	
TM	24	L16495-02	5/5/2010	Zn-65	-5.00E+00	3.90E+00	1.40E+01	
TM	24	L16495-02	5/5/2010	Zr-95	-5.00E-01	3.10E+00	1.10E+01	
TM	24	L16538-02	5/19/2010	AcTh-228	-1.10E+00	6.90E+00	2.40E+01	
TM	24	L16538-02	5/19/2010	Ag-108m	-3.00E+00	1.20E+00	4.40E+00	
TM	24	L16538-02	5/19/2010	Ag-110m	-1.70E+00	2.10E+00	7.70E+00	
TM	24	L16538-02	5/19/2010	Ba-140	-8.00E-01	2.90E+00	1.10E+01	
TM	24	L16538-02	5/19/2010	Be-7	3.00E+00	1.20E+01	4.10E+01	
TM	24	L16538-02	5/19/2010	Ce-141	-1.00E+00	1.70E+00	6.00E+00	
TM	24	L16538-02	5/19/2010	Ce-144	-3.00E-01	6.20E+00	2.10E+01	
TM	24	L16538-02	5/19/2010	Co-57	1.45E+00	7.70E-01	2.50E+00	
TM	24	L16538-02	5/19/2010	Co-58	-1.90E+00	1.70E+00	6.30E+00	
TM	24	L16538-02	5/19/2010	Co-60	-2.50E+00	1.90E+00	7.20E+00	
TM	24	L16538-02	5/19/2010	Cr-51	-7.00E+00	1.10E+01	4.00E+01	
TM	24	L16538-02	5/19/2010	Cs-134	-7.00E-01	1.00E+00	4.80E+00	
TM	24	L16538-02	5/19/2010	Cs-137	2.40E+00	1.80E+00	5.90E+00	
TM	24	L16538-02	5/19/2010	Fe-59	2.70E+00	4.00E+00	1.40E+01	
TM	24	L16538-02	5/19/2010	I-131	6.00E-02	1.70E-01	9.20E-01	
TM	24	L16538-02	5/19/2010	I-131	6.00E-01	2.60E+00	8.80E+00	
TM	24	L16538-02	5/19/2010	K-40	1.65E+03	6.20E+01	8.50E+01	*
TM	24	L16538-02	5/19/2010	La-140	-8.00E-01	2.90E+00	1.10E+01	
TM	24	L16538-02	5/19/2010	Mn-54	6.00E-01	1.40E+00	4.80E+00	
TM	24	L16538-02	5/19/2010	Nb-95	9.00E-01	1.60E+00	5.60E+00	
TM	24	L16538-02	5/19/2010	Ru-103	-1.30E+00	1.60E+00	5.60E+00	
TM	24	L16538-02	5/19/2010	Ru-106	2.00E+01	1.30E+01	4.40E+01	
TM	24	L16538-02	5/19/2010	Sb-124	-2.80E+00	3.50E+00	1.40E+01	
TM	24	L16538-02	5/19/2010	Sb-125	5.50E+00	3.90E+00	1.30E+01	
TM	24	L16538-02	5/19/2010	Se-75	3.00E-01	1.50E+00	5.10E+00	
TM	24	L16538-02	5/19/2010	Zn-65	1.40E+00	4.00E+00	1.40E+01	
TM	24	L16538-02	5/19/2010	Zr-95	-1.00E-01	2.90E+00	1.00E+01	
TM	24	L16584-02	6/2/2010	AcTh-228	-9.60E+00	7.90E+00	3.00E+01	
TM	24	L16584-02	6/2/2010	Ag-108m	-2.00E+00	1.40E+00	5.30E+00	
TM	24	L16584-02	6/2/2010	Ag-110m	1.70E+00	2.90E+00	1.00E+01	
TM	24	L16584-02	6/2/2010	Ba-140	-3.50E+00	3.60E+00	1.50E+01	
TM	24	L16584-02	6/2/2010	Be-7	-1.80E+01	1.40E+01	5.20E+01	
TM	24	L16584-02	6/2/2010	Ce-141	-4.00E-01	2.50E+00	8.60E+00	
TM	24	L16584-02	6/2/2010	Ce-144	3.00E+00	7.70E+00	2.60E+01	
TM	24	L16584-02	6/2/2010	Co-57	-4.00E-02	9.80E-01	3.40E+00	
TM	24	L16584-02	6/2/2010	Co-58	1.00E-01	1.80E+00	6.60E+00	
TM	24	L16584-02	6/2/2010	Co-60	3.10E+00	2.30E+00	7.60E+00	
TM	24	L16584-02	6/2/2010	Cr-51	9.00E+00	1.50E+01	5.10E+01	
TM	24	L16584-02	6/2/2010	Cs-134	-3.00E+00	1.30E+00	7.20E+00	

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	
TM	24	L16584-02	6/2/2010	Cs-137	3.00E-01	2.20E+00	7.60E+00	
TM	24	L16584-02	6/2/2010	Fe-59	2.90E+00	5.20E+00	1.80E+01	
TM	24	L16584-02	6/2/2010	I-131	-9.00E-01	3.40E+00	1.20E+01	
TM	24	L16584-02	6/2/2010	I-131	-1.50E-01	2.90E-02	7.60E-01	
TM	24	L16584-02	6/2/2010	K-40	1.54E+03	8.10E+01	1.20E+02	*
TM	24	L16584-02	6/2/2010	La-140	-3.50E+00	3.60E+00	1.50E+01	
TM	24	L16584-02	6/2/2010	Mn-54	3.10E+00	1.90E+00	6.30E+00	
TM	24	L16584-02	6/2/2010	Nb-95	-1.10E+00	1.90E+00	7.00E+00	
TM	24	L16584-02	6/2/2010	Ru-103	-1.70E+00	2.00E+00	7.20E+00	
TM	24	L16584-02	6/2/2010	Ru-106	-5.90E+01	2.10E+01	8.10E+01	
TM	24	L16584-02	6/2/2010	Sb-124	-1.00E+00	4.20E+00	1.70E+01	
TM	24	L16584-02	6/2/2010	Sb-125	2.10E+00	4.60E+00	1.60E+01	
TM	24	L16584-02	6/2/2010	Se-75	7.00E-01	1.90E+00	6.50E+00	
TM	24	L16584-02	6/2/2010	Zn-65	-3.60E+00	4.40E+00	1.70E+01	
TM	24	L16584-02	6/2/2010	Zr-95	2.00E+00	3.40E+00	1.20E+01	
TM	24	L16643-02	6/16/2010	AcTh-228	-8.40E+00	4.50E+00	1.60E+01	
TM	24	L16643-02	6/16/2010	Ag-108m	-1.50E-01	7.00E-01	2.40E+00	
TM	24	L16643-02	6/16/2010	Ag-110m	-1.00E-01	1.20E+00	4.00E+00	
TM	24	L16643-02	6/16/2010	Ba-140	1.10E+00	3.10E+00	1.10E+01	
TM	24	L16643-02	6/16/2010	Be-7	-5.50E+00	8.20E+00	2.80E+01	
TM	24	L16643-02	6/16/2010	Ce-141	2.80E+00	2.10E+00	6.80E+00	
TM	24	L16643-02	6/16/2010	Ce-144	2.30E+00	4.30E+00	1.40E+01	
TM	24	L16643-02	6/16/2010	Co-57	1.80E-01	5.80E-01	1.90E+00	
TM	24	L16643-02	6/16/2010	Co-58	-9.10E-01	9.50E-01	3.30E+00	
TM	24	L16643-02	6/16/2010	Co-60	-4.50E-01	9.00E-01	3.20E+00	
TM	24	L16643-02	6/16/2010	Cr-51	-4.00E+00	1.00E+01	3.40E+01	
TM	24	L16643-02	6/16/2010	Cs-134	1.30E-01	7.10E-01	3.10E+00	
TM	24	L16643-02	6/16/2010	Cs-137	3.90E+00	1.10E+00	3.40E+00	*
TM	24	L16643-02	6/16/2010	Fe-59	2.90E+00	2.20E+00	7.20E+00	
TM	24	L16643-02	6/16/2010	I-131	-1.10E-01	1.40E-01	9.70E-01	
TM	24	L16643-02	6/16/2010	I-131	-5.00E-01	4.70E+00	1.60E+01	
TM	24	L16643-02	6/16/2010	K-40	1.67E+03	3.30E+01	4.30E+01	*
TM	24	L16643-02	6/16/2010	La-140	1.10E+00	3.10E+00	1.10E+01	
TM	24	L16643-02	6/16/2010	Mn-54	-1.03E+00	8.30E-01	2.90E+00	
TM	24	L16643-02	6/16/2010	Nb-95	2.90E+00	1.40E+00	4.60E+00	
TM	24	L16643-02	6/16/2010	Ru-103	-5.00E-01	1.10E+00	3.80E+00	
TM	24	L16643-02	6/16/2010	Ru-106	3.50E+00	7.30E+00	2.40E+01	
TM	24	L16643-02	6/16/2010	Sb-124	1.00E-01	2.10E+00	7.30E+00	
TM	24	L16643-02	6/16/2010	Sb-125	9.00E-01	2.10E+00	7.20E+00	
TM	24	L16643-02	6/16/2010	Se-75	1.00E+00	1.00E+00	3.40E+00	
TM	24	L16643-02	6/16/2010	Zn-65	3.10E+00	2.10E+00	6.80E+00	
TM	24	L16643-02	6/16/2010	Zr-95	6.00E-01	1.60E+00	5.50E+00	
TM	24	L16715-02	7/14/2010	AcTh-228	1.20E+01	1.00E+01	3.50E+01	
TM	24	L16715-02	7/14/2010	Ag-108m	8.00E-01	1.90E+00	6.90E+00	
TM	24	L16715-02	7/14/2010	Ag-110m	-4.60E+00	3.60E+00	1.50E+01	
TM	24	L16715-02	7/14/2010	Ba-140	7.10E+00	4.40E+00	1.40E+01	
TM	24	L16715-02	7/14/2010	Be-7	-4.10E+01	2.30E+01	9.10E+01	
TM	24	L16715-02	7/14/2010	Ce-141	9.00E-01	3.90E+00	1.40E+01	
TM	24	L16715-02	7/14/2010	Ce-144	3.10E+01	1.40E+01	4.60E+01	
TM	24	L16715-02	7/14/2010	Co-57	1.50E+00	1.90E+00	6.50E+00	
TM	24	L16715-02	7/14/2010	Co-58	-1.40E+00	2.30E+00	9.20E+00	

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	
TM	24	L16715-02	7/14/2010	Co-60	7.00E-01	3.20E+00	1.20E+01	
TM	24	L16715-02	7/14/2010	Cr-51	-8.00E+00	2.60E+01	9.30E+01	
TM	24	L16715-02	7/14/2010	Cs-134	-1.10E+00	1.80E+00	9.40E+00	
TM	24	L16715-02	7/14/2010	Cs-137	4.00E-01	2.70E+00	9.80E+00	
TM	24	L16715-02	7/14/2010	Fe-59	-3.80E+00	5.90E+00	2.30E+01	
TM	24	L16715-02	7/14/2010	I-131	-5.00E-01	5.00E+00	1.80E+01	
TM	24	L16715-02	7/14/2010	I-131	-8.40E-02	9.20E-02	6.50E-01	
TM	24	L16715-02	7/14/2010	K-40	1.73E+03	1.00E+02	1.40E+02	*
TM	24	L16715-02	7/14/2010	La-140	7.10E+00	4.40E+00	1.40E+01	
TM	24	L16715-02	7/14/2010	Mn-54	0.00E+00	3.00E+00	1.10E+01	
TM	24	L16715-02	7/14/2010	Nb-95	-2.50E+00	2.80E+00	1.10E+01	
TM	24	L16715-02	7/14/2010	Ru-103	-3.10E+00	3.20E+00	1.20E+01	
TM	24	L16715-02	7/14/2010	Ru-106	1.40E+01	2.60E+01	9.00E+01	
TM	24	L16715-02	7/14/2010	Sb-124	0.00E+00	5.80E+00	2.30E+01	
TM	24	L16715-02	7/14/2010	Sb-125	8.00E-01	6.50E+00	2.30E+01	
TM	24	L16715-02	7/14/2010	Se-75	4.00E+00	3.30E+00	1.10E+01	
TM	24	L16715-02	7/14/2010	Zn-65	-7.80E+00	6.10E+00	2.50E+01	
TM	24	L16715-02	7/14/2010	Zr-95	-1.00E-01	4.40E+00	1.70E+01	
TM	24	L16725-02	7/28/2010	AcTh-228	-7.10E+00	7.80E+00	2.90E+01	
TM	24	L16725-02	7/28/2010	Ag-108m	1.10E+00	1.50E+00	5.00E+00	
TM	24	L16725-02	7/28/2010	Ag-110m	-3.10E+00	2.40E+00	9.40E+00	
TM	24	L16725-02	7/28/2010	Ba-140	6.20E+00	4.40E+00	1.50E+01	
TM	24	L16725-02	7/28/2010	Be-7	1.90E+01	1.50E+01	5.10E+01	
TM	24	L16725-02	7/28/2010	Ce-141	-4.60E+00	2.10E+00	7.70E+00	
TM	24	L16725-02	7/28/2010	Ce-144	-1.40E+00	7.50E+00	2.60E+01	
TM	24	L16725-02	7/28/2010	Co-57	1.72E+00	9.40E-01	3.10E+00	
TM	24	L16725-02	7/28/2010	Co-58	2.30E+00	2.00E+00	6.70E+00	
TM	24	L16725-02	7/28/2010	Co-60	4.00E-01	2.10E+00	7.70E+00	
TM	24	L16725-02	7/28/2010	Cr-51	-7.00E+00	1.50E+01	5.50E+01	
TM	24	L16725-02	7/28/2010	Cs-134	-5.00E-01	1.30E+00	5.90E+00	
TM	24	L16725-02	7/28/2010	Cs-137	2.50E+00	2.10E+00	7.10E+00	
TM	24	L16725-02	7/28/2010	Fe-59	1.10E+01	4.50E+00	1.40E+01	
TM	24	L16725-02	7/28/2010	I-131	-1.10E+00	4.00E+00	1.40E+01	
TM	24	L16725-02	7/28/2010	I-131	-7.80E-02	1.10E-02	5.60E-01	
TM	24	L16725-02	7/28/2010	K-40	1.79E+03	7.70E+01	9.40E+01	*
TM	24	L16725-02	7/28/2010	La-140	6.20E+00	4.40E+00	1.50E+01	
TM	24	L16725-02	7/28/2010	Mn-54	1.00E+00	1.80E+00	6.40E+00	
TM	24	L16725-02	7/28/2010	Nb-95	-3.40E+00	2.30E+00	8.80E+00	
TM	24	L16725-02	7/28/2010	Ru-103	1.40E+00	1.90E+00	6.30E+00	
TM	24	L16725-02	7/28/2010	Ru-106	2.00E+01	1.40E+01	4.80E+01	
TM	24	L16725-02	7/28/2010	Sb-124	-2.50E+00	4.30E+00	1.70E+01	
TM	24	L16725-02	7/28/2010	Sb-125	6.30E+00	4.10E+00	1.40E+01	
TM	24	L16725-02	7/28/2010	Se-75	-3.60E+00	1.70E+00	6.50E+00	
TM	24	L16725-02	7/28/2010	Zn-65	-8.60E+00	5.00E+00	1.90E+01	
TM	24	L16725-02	7/28/2010	Zr-95	4.50E+00	3.60E+00	1.20E+01	
TM	24	L16740-02	8/11/2010	AcTh-228	1.45E+01	6.50E+00	2.10E+01	
TM	24	L16740-02	8/11/2010	Ag-108m	2.50E+00	1.30E+00	4.30E+00	
TM	24	L16740-02	8/11/2010	Ag-110m	-1.30E+00	2.00E+00	7.30E+00	
TM	24	L16740-02	8/11/2010	Ba-140	5.00E-01	3.00E+00	1.10E+01	
TM	24	L16740-02	8/11/2010	Be-7	0.00E+00	1.50E+01	5.10E+01	
TM	24	L16740-02	8/11/2010	Ce-141	-1.10E+01	3.90E+00	1.40E+01	

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	
TM	24	L16740-02	8/11/2010	Ce-144	6.10E+00	8.20E+00	2.80E+01	
TM	24	L16740-02	8/11/2010	Co-57	4.00E-01	1.10E+00	3.80E+00	
TM	24	L16740-02	8/11/2010	Co-58	2.00E-01	1.70E+00	6.00E+00	
TM	24	L16740-02	8/11/2010	Co-60	-1.00E-01	1.70E+00	6.20E+00	
TM	24	L16740-02	8/11/2010	Cr-51	-5.00E+00	1.60E+01	5.60E+01	
TM	24	L16740-02	8/11/2010	Cs-134	-3.00E-01	1.40E+00	5.90E+00	
TM	24	L16740-02	8/11/2010	Cs-137	2.20E+00	1.60E+00	5.40E+00	
TM	24	L16740-02	8/11/2010	Fe-59	-1.00E-01	4.00E+00	1.40E+01	
TM	24	L16740-02	8/11/2010	I-131	1.20E-01	1.40E-01	5.80E-01	
TM	24	L16740-02	8/11/2010	I-131	-1.15E+01	4.50E+00	1.70E+01	
TM	24	L16740-02	8/11/2010	K-40	1.65E+03	6.20E+01	7.00E+01	*
TM	24	L16740-02	8/11/2010	La-140	5.00E-01	3.00E+00	1.10E+01	
TM	24	L16740-02	8/11/2010	Mn-54	2.20E+00	1.60E+00	5.40E+00	
TM	24	L16740-02	8/11/2010	Nb-95	9.00E-01	2.10E+00	7.20E+00	
TM	24	L16740-02	8/11/2010	Ru-103	-1.00E-01	1.90E+00	6.80E+00	
TM	24	L16740-02	8/11/2010	Ru-106	-1.80E+01	1.30E+01	5.00E+01	
TM	24	L16740-02	8/11/2010	Sb-124	6.00E-01	3.90E+00	1.40E+01	
TM	24	L16740-02	8/11/2010	Sb-125	1.08E+01	4.50E+00	1.40E+01	
TM	24	L16740-02	8/11/2010	Se-75	-1.20E+00	2.00E+00	7.10E+00	
TM	24	L16740-02	8/11/2010	Zn-65	-2.50E+00	4.10E+00	1.50E+01	
TM	24	L16740-02	8/11/2010	Zr-95	0.00E+00	2.90E+00	1.00E+01	
TM	24	L16753-02	8/25/2010	AcTh-228	4.50E+00	9.50E+00	3.30E+01	
TM	24	L16753-02	8/25/2010	Ag-108m	0.00E+00	1.90E+00	7.00E+00	
TM	24	L16753-02	8/25/2010	Ag-110m	9.00E-01	3.50E+00	1.30E+01	
TM	24	L16753-02	8/25/2010	Ba-140	-1.60E+00	3.60E+00	1.50E+01	
TM	24	L16753-02	8/25/2010	Be-7	5.00E+00	2.20E+01	7.80E+01	
TM	24	L16753-02	8/25/2010	Ce-141	6.50E+00	3.60E+00	1.20E+01	
TM	24	L16753-02	8/25/2010	Ce-144	5.00E+00	1.40E+01	5.00E+01	
TM	24	L16753-02	8/25/2010	Co-57	-1.00E+00	1.80E+00	6.40E+00	
TM	24	L16753-02	8/25/2010	Co-58	3.60E+00	2.30E+00	7.60E+00	
TM	24	L16753-02	8/25/2010	Co-60	2.60E+00	2.30E+00	8.00E+00	
TM	24	L16753-02	8/25/2010	Cr-51	2.40E+01	2.00E+01	6.70E+01	
TM	24	L16753-02	8/25/2010	Cs-134	1.00E+00	1.70E+00	8.60E+00	
TM	24	L16753-02	8/25/2010	Cs-137	-2.20E+00	2.90E+00	1.10E+01	
TM	24	L16753-02	8/25/2010	Fe-59	3.90E+00	5.20E+00	1.80E+01	
TM	24	L16753-02	8/25/2010	I-131	-2.10E-01	2.60E-02	9.30E-01	
TM	24	L16753-02	8/25/2010	I-131	-4.80E+00	4.40E+00	1.60E+01	
TM	24	L16753-02	8/25/2010	K-40	1.84E+03	9.60E+01	1.20E+02	*
TM	24	L16753-02	8/25/2010	La-140	-1.60E+00	3.60E+00	1.50E+01	
TM	24	L16753-02	8/25/2010	Mn-54	6.00E-01	2.40E+00	8.70E+00	
TM	24	L16753-02	8/25/2010	Nb-95	3.90E+00	2.80E+00	9.50E+00	
TM	24	L16753-02	8/25/2010	Ru-103	-6.20E+00	2.80E+00	1.10E+01	
TM	24	L16753-02	8/25/2010	Ru-106	8.00E+00	2.20E+01	7.70E+01	
TM	24	L16753-02	8/25/2010	Sb-124	-2.30E+00	4.70E+00	2.00E+01	
TM	24	L16753-02	8/25/2010	Sb-125	6.80E+00	6.90E+00	2.30E+01	
TM	24	L16753-02	8/25/2010	Se-75	7.80E+00	3.00E+00	9.40E+00	
TM	24	L16753-02	8/25/2010	Zn-65	-2.40E+00	6.50E+00	2.40E+01	
TM	24	L16753-02	8/25/2010	Zr-95	-1.60E+00	4.30E+00	1.60E+01	

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	
TG	8	L16530-01	5/18/2010	AcTh-228	-1.60E+01	7.60E+01	3.10E+02	
TG	8	L16530-01	5/18/2010	Ag-108m	2.00E+00	1.40E+01	5.30E+01	
TG	8	L16530-01	5/18/2010	Ag-110m	-1.50E+01	2.40E+01	1.10E+02	
TG	8	L16530-01	5/18/2010	Ba-140	6.10E+01	6.60E+01	2.50E+02	
TG	8	L16530-01	5/18/2010	Be-7	4.10E+02	1.70E+02	4.90E+02	
TG	8	L16530-01	5/18/2010	Ce-141	-4.00E+00	2.70E+01	9.80E+01	
TG	8	L16530-01	5/18/2010	Ce-144	5.80E+01	6.40E+01	2.20E+02	
TG	8	L16530-01	5/18/2010	Co-57	3.80E+00	7.30E+00	2.60E+01	
TG	8	L16530-01	5/18/2010	Co-58	4.00E+00	1.80E+01	7.30E+01	
TG	8	L16530-01	5/18/2010	Co-60	-2.30E+01	2.60E+01	1.20E+02	
TG	8	L16530-01	5/18/2010	Cr-51	-1.00E+02	1.80E+02	7.30E+02	
TG	8	L16530-01	5/18/2010	Cs-134	1.00E+01	1.10E+01	5.50E+01	
TG	8	L16530-01	5/18/2010	Cs-137	1.50E+01	1.90E+01	6.70E+01	
TG	8	L16530-01	5/18/2010	Fe-59	8.00E+00	5.10E+01	2.10E+02	
TG	8	L16530-01	5/18/2010	I-131	6.00E+00	1.00E+01	4.90E+01	
TG	8	L16530-01	5/18/2010	I-131	0.00E+00	8.10E+01	3.20E+02	
TG	8	L16530-01	5/18/2010	K-40	4.68E+03	6.70E+02	1.20E+03	*
TG	8	L16530-01	5/18/2010	La-140	6.10E+01	6.60E+01	2.50E+02	
TG	8	L16530-01	5/18/2010	Mn-54	3.10E+01	1.80E+01	5.60E+01	
TG	8	L16530-01	5/18/2010	Nb-95	4.20E+01	3.00E+01	9.80E+01	
TG	8	L16530-01	5/18/2010	Ru-103	-5.00E+00	2.20E+01	8.70E+01	
TG	8	L16530-01	5/18/2010	Ru-106	-5.00E+01	1.60E+02	6.60E+02	
TG	8	L16530-01	5/18/2010	Sb-124	3.20E+01	6.50E+01	2.60E+02	
TG	8	L16530-01	5/18/2010	Sb-125	-9.00E+00	4.40E+01	1.70E+02	
TG	8	L16530-01	5/18/2010	Se-75	-2.00E+00	1.80E+01	6.70E+01	
TG	8	L16530-01	5/18/2010	Tel-132	-3.00E+03	2.00E+03	8.70E+03	
TG	8	L16530-01	5/18/2010	Zn-65	-9.20E+01	5.00E+01	2.40E+02	
TG	8	L16530-01	5/18/2010	Zr-95	-2.60E+01	4.30E+01	1.80E+02	
TG	8	L16645-01	6/15/2010	AcTh-228	1.22E+02	6.50E+01	2.00E+02	
TG	8	L16645-01	6/15/2010	Ag-108m	-1.00E+01	1.20E+01	4.70E+01	
TG	8	L16645-01	6/15/2010	Ag-110m	1.00E+01	2.10E+01	8.00E+01	
TG	8	L16645-01	6/15/2010	Ba-140	8.80E+01	6.70E+01	2.30E+02	
TG	8	L16645-01	6/15/2010	Be-7	1.08E+03	2.30E+02	6.00E+02	*
TG	8	L16645-01	6/15/2010	Ce-141	3.00E+00	2.40E+01	8.50E+01	
TG	8	L16645-01	6/15/2010	Ce-144	5.30E+01	6.30E+01	2.20E+02	
TG	8	L16645-01	6/15/2010	Co-57	1.70E+00	6.50E+00	2.30E+01	
TG	8	L16645-01	6/15/2010	Co-58	-1.40E+01	1.60E+01	6.90E+01	
TG	8	L16645-01	6/15/2010	Co-60	3.60E+01	2.00E+01	6.10E+01	
TG	8	L16645-01	6/15/2010	Cr-51	-3.00E+01	1.60E+02	5.90E+02	
TG	8	L16645-01	6/15/2010	Cs-134	0.00E+00	1.20E+01	5.90E+01	
TG	8	L16645-01	6/15/2010	Cs-137	-1.00E+01	1.70E+01	6.80E+01	
TG	8	L16645-01	6/15/2010	Fe-59	-2.30E+01	4.80E+01	1.90E+02	
TG	8	L16645-01	6/15/2010	I-131	1.20E+01	1.20E+01	4.40E+01	
TG	8	L16645-01	6/15/2010	I-131	-2.40E+01	7.80E+01	3.00E+02	
TG	8	L16645-01	6/15/2010	K-40	3.06E+03	4.40E+02	7.70E+02	*
TG	8	L16645-01	6/15/2010	La-140	8.80E+01	6.70E+01	2.30E+02	
TG	8	L16645-01	6/15/2010	Mn-54	0.00E+00	1.90E+01	7.30E+01	
TG	8	L16645-01	6/15/2010	Nb-95	3.00E+00	2.30E+01	8.60E+01	
TG	8	L16645-01	6/15/2010	Ru-103	1.70E+01	1.80E+01	6.40E+01	
TG	8	L16645-01	6/15/2010	Ru-106	2.40E+02	1.50E+02	5.00E+02	
TG	8	L16645-01	6/15/2010	Sb-124	4.00E+00	4.00E+01	1.80E+02	

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	
TG	8	L16645-01	6/15/2010	Sb-125	1.20E+01	3.30E+01	1.20E+02	
TG	8	L16645-01	6/15/2010	Se-75	-2.00E+00	1.40E+01	5.40E+01	
TG	8	L16645-01	6/15/2010	Tel-132	3.00E+03	2.20E+03	7.40E+03	
TG	8	L16645-01	6/15/2010	Zn-65	-5.50E+01	5.00E+01	2.10E+02	
TG	8	L16645-01	6/15/2010	Zr-95	-2.20E+01	3.10E+01	1.30E+02	
TG	8	L16726-01	7/27/2010	AcTh-228	1.14E+02	6.30E+01	2.00E+02	
TG	8	L16726-01	7/27/2010	Ag-108m	1.40E+01	1.20E+01	4.10E+01	
TG	8	L16726-01	7/27/2010	Ag-110m	-2.10E+01	2.10E+01	8.20E+01	
TG	8	L16726-01	7/27/2010	Ba-140	-7.00E+00	2.60E+01	1.10E+02	
TG	8	L16726-01	7/27/2010	Be-7	1.39E+03	2.40E+02	6.60E+02	*
TG	8	L16726-01	7/27/2010	Ce-141	-3.90E+01	2.20E+01	8.10E+01	
TG	8	L16726-01	7/27/2010	Ce-144	-3.90E+01	6.30E+01	2.30E+02	
TG	8	L16726-01	7/27/2010	Co-57	-3.00E+00	8.20E+00	2.90E+01	
TG	8	L16726-01	7/27/2010	Co-58	1.40E+01	1.30E+01	4.50E+01	
TG	8	L16726-01	7/27/2010	Co-60	1.90E+01	1.20E+01	3.80E+01	
TG	8	L16726-01	7/27/2010	Cr-51	-3.00E+01	1.40E+02	4.90E+02	
TG	8	L16726-01	7/27/2010	Cs-134	2.00E+01	1.30E+01	4.80E+01	
TG	8	L16726-01	7/27/2010	Cs-137	-2.60E+01	1.40E+01	5.80E+01	
TG	8	L16726-01	7/27/2010	Fe-59	-6.10E+01	3.80E+01	1.50E+02	
TG	8	L16726-01	7/27/2010	I-131	-4.32E+00	6.00E-01	3.10E+01	
TG	8	L16726-01	7/27/2010	I-131	-8.20E+01	3.80E+01	1.50E+02	
TG	8	L16726-01	7/27/2010	K-40	4.58E+03	4.20E+02	7.50E+02	*
TG	8	L16726-01	7/27/2010	La-140	-7.00E+00	2.60E+01	1.10E+02	
TG	8	L16726-01	7/27/2010	Mn-54	0.00E+00	1.40E+01	5.20E+01	
TG	8	L16726-01	7/27/2010	Nb-95	2.90E+01	1.80E+01	6.00E+01	
TG	8	L16726-01	7/27/2010	Ru-103	-9.00E+00	1.70E+01	6.30E+01	
TG	8	L16726-01	7/27/2010	Ru-106	-1.20E+02	1.30E+02	4.90E+02	
TG	8	L16726-01	7/27/2010	Sb-124	3.40E+01	3.40E+01	1.20E+02	
TG	8	L16726-01	7/27/2010	Sb-125	2.10E+01	3.40E+01	1.20E+02	
TG	8	L16726-01	7/27/2010	Se-75	-1.10E+01	1.80E+01	6.40E+01	
TG	8	L16726-01	7/27/2010	Tel-132	-1.20E+02	1.90E+02	7.40E+02	
TG	8	L16726-01	7/27/2010	Zn-65	-6.40E+01	3.70E+01	1.50E+02	
TG	8	L16726-01	7/27/2010	Zr-95	-4.30E+01	2.70E+01	1.10E+02	
TG	8	L16754-01	8/24/2010	AcTh-228	9.50E+01	6.50E+01	2.10E+02	
TG	8	L16754-01	8/24/2010	Ag-108m	6.00E+00	1.00E+01	3.60E+01	
TG	8	L16754-01	8/24/2010	Ag-110m	0.00E+00	2.10E+01	7.80E+01	
TG	8	L16754-01	8/24/2010	Ba-140	1.30E+01	4.20E+01	1.60E+02	
TG	8	L16754-01	8/24/2010	Be-7	1.37E+03	2.00E+02	4.70E+02	*
TG	8	L16754-01	8/24/2010	Ce-141	1.30E+01	1.70E+01	5.90E+01	
TG	8	L16754-01	8/24/2010	Ce-144	1.11E+02	5.70E+01	1.90E+02	
TG	8	L16754-01	8/24/2010	Co-57	-2.70E+00	5.30E+00	1.90E+01	
TG	8	L16754-01	8/24/2010	Co-58	1.90E+01	1.60E+01	5.30E+01	
TG	8	L16754-01	8/24/2010	Co-60	7.00E+00	2.00E+01	7.40E+01	
TG	8	L16754-01	8/24/2010	Cr-51	-1.60E+02	1.20E+02	4.50E+02	
TG	8	L16754-01	8/24/2010	Cs-134	-2.00E+00	1.00E+01	4.80E+01	
TG	8	L16754-01	8/24/2010	Cs-137	2.00E+00	1.70E+01	6.10E+01	
TG	8	L16754-01	8/24/2010	Fe-59	4.20E+01	4.10E+01	1.40E+02	
TG	8	L16754-01	8/24/2010	I-131	1.30E+01	3.50E+01	1.20E+02	
TG	8	L16754-01	8/24/2010	I-131	7.00E-01	9.40E+00	5.50E+01	
TG	8	L16754-01	8/24/2010	K-40	3.34E+03	4.00E+02	7.40E+02	*
TG	8	L16754-01	8/24/2010	La-140	1.30E+01	4.20E+01	1.60E+02	

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	
TG	8	L16754-01	8/24/2010	Mn-54	3.00E+00	1.30E+01	4.70E+01	
TG	8	L16754-01	8/24/2010	Nb-95	-7.00E+00	1.60E+01	6.20E+01	
TG	8	L16754-01	8/24/2010	Ru-103	-6.00E+00	1.40E+01	5.30E+01	
TG	8	L16754-01	8/24/2010	Ru-106	-8.00E+01	1.30E+02	4.90E+02	
TG	8	L16754-01	8/24/2010	Sb-124	-4.00E+00	4.00E+01	1.60E+02	
TG	8	L16754-01	8/24/2010	Sb-125	-2.50E+01	3.10E+01	1.20E+02	
TG	8	L16754-01	8/24/2010	Se-75	7.00E+00	1.30E+01	4.40E+01	
TG	8	L16754-01	8/24/2010	Tel-132	1.50E+02	3.20E+02	1.10E+03	
TG	8	L16754-01	8/24/2010	Zn-65	-2.60E+01	3.90E+01	1.50E+02	
TG	8	L16754-01	8/24/2010	Zr-95	1.20E+01	2.70E+01	9.70E+01	
TG	8	L16776-01	9/21/2010	AcTh-228	9.80E+01	8.60E+01	2.90E+02	
TG	8	L16776-01	9/21/2010	Ag-108m	1.70E+01	1.20E+01	3.90E+01	
TG	8	L16776-01	9/21/2010	Ag-110m	-1.00E+01	2.30E+01	9.20E+01	
TG	8	L16776-01	9/21/2010	Ba-140	3.80E+01	4.40E+01	1.60E+02	
TG	8	L16776-01	9/21/2010	Be-7	2.97E+03	3.00E+02	5.80E+02	*
TG	8	L16776-01	9/21/2010	Ce-141	0.00E+00	2.20E+01	7.70E+01	
TG	8	L16776-01	9/21/2010	Ce-144	-6.20E+01	7.00E+01	2.60E+02	
TG	8	L16776-01	9/21/2010	Co-57	-3.00E+00	7.00E+00	2.60E+01	
TG	8	L16776-01	9/21/2010	Co-58	-1.10E+01	1.80E+01	7.10E+01	
TG	8	L16776-01	9/21/2010	Co-60	-2.50E+01	2.10E+01	9.20E+01	
TG	8	L16776-01	9/21/2010	Cr-51	0.00E+00	1.40E+02	5.20E+02	
TG	8	L16776-01	9/21/2010	Cs-134	4.00E+00	1.50E+01	5.90E+01	
TG	8	L16776-01	9/21/2010	Cs-137	2.30E+01	1.70E+01	5.60E+01	
TG	8	L16776-01	9/21/2010	Fe-59	5.50E+01	4.90E+01	1.70E+02	
TG	8	L16776-01	9/21/2010	I-131	-5.04E+00	6.30E-01	3.20E+01	
TG	8	L16776-01	9/21/2010	I-131	0.00E+00	4.40E+01	1.60E+02	
TG	8	L16776-01	9/21/2010	K-40	3.82E+03	5.10E+02	9.80E+02	*
TG	8	L16776-01	9/21/2010	La-140	3.80E+01	4.40E+01	1.60E+02	
TG	8	L16776-01	9/21/2010	Mn-54	-7.00E+00	1.90E+01	7.50E+01	
TG	8	L16776-01	9/21/2010	Nb-95	-1.90E+01	2.00E+01	8.20E+01	
TG	8	L16776-01	9/21/2010	Ru-103	9.00E+00	1.70E+01	6.10E+01	
TG	8	L16776-01	9/21/2010	Ru-106	3.00E+01	1.40E+02	5.30E+02	
TG	8	L16776-01	9/21/2010	Sb-124	-9.00E+00	4.40E+01	1.90E+02	
TG	8	L16776-01	9/21/2010	Sb-125	4.10E+01	3.60E+01	1.20E+02	
TG	8	L16776-01	9/21/2010	Se-75	-4.30E+01	1.60E+01	6.80E+01	
TG	8	L16776-01	9/21/2010	Tel-132	-2.00E+01	3.70E+02	1.40E+03	
TG	8	L16776-01	9/21/2010	Zn-65	5.60E+01	6.80E+01	2.40E+02	
TG	8	L16776-01	9/21/2010	Zr-95	5.00E+00	3.00E+01	1.20E+02	
TG	8	265446001	10/19/2010	Ac-228	1.27E+01	2.30E+01	4.78E+01	
TG	8	265446001	10/19/2010	Ag-108m	2.69E+00	2.57E+00	8.69E+00	
TG	8	265446001	10/19/2010	Ag-110m	5.52E+00	4.38E+00	1.51E+01	
TG	8	265446001	10/19/2010	Ba-140	3.49E+01	2.16E+01	7.12E+01	
TG	8	265446001	10/19/2010	Be-7	1.19E+03	8.50E+01	9.68E+01	*
TG	8	265446001	10/19/2010	Ce-141	-2.06E+00	5.32E+00	1.71E+01	
TG	8	265446001	10/19/2010	Ce-144	-1.89E+01	1.85E+01	5.87E+01	
TG	8	265446001	10/19/2010	Co-57	-6.28E-01	2.20E+00	7.15E+00	
TG	8	265446001	10/19/2010	Co-58	-4.68E+00	3.13E+00	9.60E+00	
TG	8	265446001	10/19/2010	Co-60	-2.86E+00	3.49E+00	1.11E+01	
TG	8	265446001	10/19/2010	Cr-51	-8.69E+00	3.52E+01	1.17E+02	
TG	8	265446001	10/19/2010	Cs-134	3.06E+00	3.92E+00	1.34E+01	
TG	8	265446001	10/19/2010	Cs-137	-5.60E-01	4.88E+00	1.46E+01	

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	
TG	8	265446001	10/19/2010	Fe-59	-8.34E+00	7.54E+00	2.28E+01	
TG	8	265446001	10/19/2010	I-131	8.24E-02	9.48E+00	3.13E+01	
TG	8	265446001	10/19/2010	K-40	2.95E+03	1.90E+02	9.15E+01	*
TG	8	265446001	10/19/2010	La-140	-8.39E+00	7.69E+00	2.33E+01	
TG	8	265446001	10/19/2010	Mn-54	-2.54E-01	3.31E+00	1.09E+01	
TG	8	265446001	10/19/2010	Nb-95	-1.27E+00	3.61E+00	1.18E+01	
TG	8	265446001	10/19/2010	Ru-103	-6.60E+00	3.77E+00	1.14E+01	
TG	8	265446001	10/19/2010	Ru-106	4.36E+01	2.78E+01	9.83E+01	
TG	8	265446001	10/19/2010	Sb-124	-1.62E+01	8.18E+00	2.23E+01	
TG	8	265446001	10/19/2010	Sb-125	5.30E+00	7.99E+00	2.67E+01	
TG	8	265446001	10/19/2010	Se-75	-7.03E-01	3.97E+00	1.33E+01	
TG	8	265446001	10/19/2010	Th-228	8.35E+00	8.51E+00	2.07E+01	
TG	8	265446001	10/19/2010	Zn-65	6.93E+00	7.66E+00	2.57E+01	
TG	8	265446001	10/19/2010	Zr-95	1.22E+01	6.26E+00	2.22E+01	
TG	9	L16530-02	5/18/2010	AcTh-228	2.50E+01	5.90E+01	2.00E+02	
TG	9	L16530-02	5/18/2010	Ag-108m	1.73E+01	7.20E+00	2.20E+01	
TG	9	L16530-02	5/18/2010	Ag-110m	-1.10E+01	1.60E+01	6.00E+01	
TG	9	L16530-02	5/18/2010	Ba-140	-1.50E+01	4.00E+01	1.60E+02	
TG	9	L16530-02	5/18/2010	Be-7	2.80E+02	1.10E+02	3.40E+02	
TG	9	L16530-02	5/18/2010	Ce-141	2.70E+01	1.60E+01	5.30E+01	
TG	9	L16530-02	5/18/2010	Ce-144	2.00E+01	3.80E+01	1.30E+02	
TG	9	L16530-02	5/18/2010	Co-57	-4.80E+00	4.60E+00	1.60E+01	
TG	9	L16530-02	5/18/2010	Co-58	2.00E+00	1.10E+01	4.10E+01	
TG	9	L16530-02	5/18/2010	Co-60	-3.00E+01	1.20E+01	5.30E+01	
TG	9	L16530-02	5/18/2010	Cr-51	-1.80E+02	1.10E+02	4.00E+02	
TG	9	L16530-02	5/18/2010	Cs-134	8.00E-01	8.30E+00	3.90E+01	
TG	9	L16530-02	5/18/2010	Cs-137	-1.10E+01	1.20E+01	4.60E+01	
TG	9	L16530-02	5/18/2010	Fe-59	8.00E+00	3.30E+01	1.20E+02	
TG	9	L16530-02	5/18/2010	I-131	-2.30E+01	6.30E+01	2.20E+02	
TG	9	L16530-02	5/18/2010	I-131	-3.93E+00	7.60E-01	4.80E+01	
TG	9	L16530-02	5/18/2010	K-40	6.08E+03	3.80E+02	6.30E+02	*
TG	9	L16530-02	5/18/2010	La-140	-1.50E+01	4.00E+01	1.60E+02	
TG	9	L16530-02	5/18/2010	Mn-54	3.00E+00	1.10E+01	4.10E+01	
TG	9	L16530-02	5/18/2010	Nb-95	1.80E+01	1.60E+01	5.30E+01	
TG	9	L16530-02	5/18/2010	Ru-103	2.00E+00	1.40E+01	4.80E+01	
TG	9	L16530-02	5/18/2010	Ru-106	-1.00E+01	1.10E+02	4.10E+02	
TG	9	L16530-02	5/18/2010	Sb-124	1.90E+01	3.00E+01	1.10E+02	
TG	9	L16530-02	5/18/2010	Sb-125	2.00E+01	2.40E+01	8.30E+01	
TG	9	L16530-02	5/18/2010	Se-75	-1.00E+00	1.10E+01	3.90E+01	
TG	9	L16530-02	5/18/2010	Tel-132	-2.00E+02	1.20E+03	4.40E+03	
TG	9	L16530-02	5/18/2010	Zn-65	-1.00E+01	3.00E+01	1.10E+02	
TG	9	L16530-02	5/18/2010	Zr-95	3.90E+01	2.20E+01	7.00E+01	
TG	9	L16645-02	6/15/2010	AcTh-228	4.70E+01	4.80E+01	1.60E+02	
TG	9	L16645-02	6/15/2010	Ag-108m	-2.50E+00	6.60E+00	2.30E+01	
TG	9	L16645-02	6/15/2010	Ag-110m	-1.90E+01	1.10E+01	4.20E+01	
TG	9	L16645-02	6/15/2010	Ba-140	-1.90E+01	2.70E+01	1.10E+02	
TG	9	L16645-02	6/15/2010	Be-7	5.60E+02	1.10E+02	3.10E+02	*
TG	9	L16645-02	6/15/2010	Ce-141	4.00E+00	1.10E+01	3.60E+01	
TG	9	L16645-02	6/15/2010	Ce-144	1.70E+01	2.70E+01	9.20E+01	
TG	9	L16645-02	6/15/2010	Co-57	-6.50E+00	3.20E+00	1.20E+01	
TG	9	L16645-02	6/15/2010	Co-58	-1.12E+01	8.70E+00	3.30E+01	

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	
TG	9	L16645-02	6/15/2010	Co-60	1.00E+01	1.10E+01	3.60E+01	
TG	9	L16645-02	6/15/2010	Cr-51	4.50E+01	7.40E+01	2.50E+02	
TG	9	L16645-02	6/15/2010	Cs-134	-4.30E+00	6.10E+00	3.10E+01	
TG	9	L16645-02	6/15/2010	Cs-137	2.45E+01	8.50E+00	2.60E+01	
TG	9	L16645-02	6/15/2010	Fe-59	2.20E+01	2.20E+01	7.40E+01	
TG	9	L16645-02	6/15/2010	I-131	2.20E+01	2.70E+01	9.30E+01	
TG	9	L16645-02	6/15/2010	I-131	6.00E+00	1.10E+01	4.80E+01	
TG	9	L16645-02	6/15/2010	K-40	2.49E+03	2.30E+02	5.00E+02	*
TG	9	L16645-02	6/15/2010	La-140	-1.90E+01	2.70E+01	1.10E+02	
TG	9	L16645-02	6/15/2010	Mn-54	4.20E+00	8.30E+00	2.90E+01	
TG	9	L16645-02	6/15/2010	Nb-95	1.00E+00	1.00E+01	3.60E+01	
TG	9	L16645-02	6/15/2010	Ru-103	-9.20E+00	8.60E+00	3.20E+01	
TG	9	L16645-02	6/15/2010	Ru-106	-1.90E+01	7.10E+01	2.50E+02	
TG	9	L16645-02	6/15/2010	Sb-124	1.00E+01	2.30E+01	8.40E+01	
TG	9	L16645-02	6/15/2010	Sb-125	-2.00E+01	1.90E+01	6.80E+01	
TG	9	L16645-02	6/15/2010	Se-75	-8.20E+00	7.70E+00	2.80E+01	
TG	9	L16645-02	6/15/2010	Tel-132	-1.10E+02	2.40E+02	8.60E+02	
TG	9	L16645-02	6/15/2010	Zn-65	-2.00E+00	1.90E+01	6.70E+01	
TG	9	L16645-02	6/15/2010	Zr-95	6.00E+00	1.40E+01	5.00E+01	
TG	9	L16726-02	7/27/2010	AcTh-228	2.60E+01	5.50E+01	1.90E+02	
TG	9	L16726-02	7/27/2010	Ag-108m	5.00E+00	1.10E+01	4.00E+01	
TG	9	L16726-02	7/27/2010	Ag-110m	-1.30E+01	1.80E+01	6.80E+01	
TG	9	L16726-02	7/27/2010	Ba-140	3.10E+01	3.20E+01	1.10E+02	
TG	9	L16726-02	7/27/2010	Be-7	6.40E+02	1.80E+02	5.60E+02	*
TG	9	L16726-02	7/27/2010	Ce-141	6.00E+00	1.80E+01	6.20E+01	
TG	9	L16726-02	7/27/2010	Ce-144	2.30E+01	6.10E+01	2.10E+02	
TG	9	L16726-02	7/27/2010	Co-57	6.60E+00	8.20E+00	2.80E+01	
TG	9	L16726-02	7/27/2010	Co-58	-2.00E+00	1.50E+01	5.30E+01	
TG	9	L16726-02	7/27/2010	Co-60	-1.00E+00	1.30E+01	5.10E+01	
TG	9	L16726-02	7/27/2010	Cr-51	-3.50E+02	1.30E+02	5.10E+02	
TG	9	L16726-02	7/27/2010	Cs-134	-2.20E+01	1.10E+01	5.70E+01	
TG	9	L16726-02	7/27/2010	Cs-137	-1.10E+01	1.20E+01	4.50E+01	
TG	9	L16726-02	7/27/2010	Fe-59	-1.80E+01	3.90E+01	1.40E+02	
TG	9	L16726-02	7/27/2010	I-131	-4.80E+00	6.70E-01	3.50E+01	
TG	9	L16726-02	7/27/2010	I-131	3.50E+01	3.60E+01	1.20E+02	
TG	9	L16726-02	7/27/2010	K-40	2.97E+03	3.30E+02	6.80E+02	*
TG	9	L16726-02	7/27/2010	La-140	3.10E+01	3.20E+01	1.10E+02	
TG	9	L16726-02	7/27/2010	Mn-54	-5.00E+00	1.20E+01	4.70E+01	
TG	9	L16726-02	7/27/2010	Nb-95	-1.30E+01	1.70E+01	6.50E+01	
TG	9	L16726-02	7/27/2010	Ru-103	-6.00E+00	1.50E+01	5.40E+01	
TG	9	L16726-02	7/27/2010	Ru-106	0.00E+00	1.10E+02	4.10E+02	
TG	9	L16726-02	7/27/2010	Sb-124	-5.00E+01	3.40E+01	1.50E+02	
TG	9	L16726-02	7/27/2010	Sb-125	1.20E+01	3.60E+01	1.30E+02	
TG	9	L16726-02	7/27/2010	Se-75	-1.00E+01	1.50E+01	5.40E+01	
TG	9	L16726-02	7/27/2010	Tel-132	3.20E+02	2.00E+02	6.60E+02	
TG	9	L16726-02	7/27/2010	Zn-65	-5.10E+01	3.40E+01	1.30E+02	
TG	9	L16726-02	7/27/2010	Zr-95	1.30E+01	2.60E+01	9.20E+01	
TG	9	L16754-02	8/24/2010	AcTh-228	-6.50E+01	5.90E+01	2.30E+02	
TG	9	L16754-02	8/24/2010	Ag-108m	5.00E+00	1.10E+01	3.70E+01	
TG	9	L16754-02	8/24/2010	Ag-110m	6.00E+00	1.70E+01	6.30E+01	
TG	9	L16754-02	8/24/2010	Ba-140	-4.10E+01	3.90E+01	1.70E+02	

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	
TG	9	L16754-02	8/24/2010	Be-7	2.08E+03	2.20E+02	5.00E+02	*
TG	9	L16754-02	8/24/2010	Ce-141	1.70E+01	1.60E+01	5.40E+01	
TG	9	L16754-02	8/24/2010	Ce-144	-5.40E+01	4.30E+01	1.60E+02	
TG	9	L16754-02	8/24/2010	Co-57	6.40E+00	5.40E+00	1.80E+01	
TG	9	L16754-02	8/24/2010	Co-58	-2.00E+01	1.40E+01	5.60E+01	
TG	9	L16754-02	8/24/2010	Co-60	-1.90E+01	1.30E+01	5.70E+01	
TG	9	L16754-02	8/24/2010	Cr-51	-5.00E+01	1.10E+02	4.00E+02	
TG	9	L16754-02	8/24/2010	Cs-134	-9.00E+00	1.10E+01	5.30E+01	
TG	9	L16754-02	8/24/2010	Cs-137	-2.00E+00	1.40E+01	5.20E+01	
TG	9	L16754-02	8/24/2010	Fe-59	-2.70E+01	2.60E+01	1.10E+02	
TG	9	L16754-02	8/24/2010	I-131	6.00E-01	8.80E+00	5.20E+01	
TG	9	L16754-02	8/24/2010	I-131	-4.00E+01	3.80E+01	1.40E+02	
TG	9	L16754-02	8/24/2010	K-40	3.03E+03	3.60E+02	7.20E+02	*
TG	9	L16754-02	8/24/2010	La-140	-4.10E+01	3.90E+01	1.70E+02	
TG	9	L16754-02	8/24/2010	Mn-54	1.20E+01	1.10E+01	3.80E+01	
TG	9	L16754-02	8/24/2010	Nb-95	-8.00E+00	1.60E+01	6.00E+01	
TG	9	L16754-02	8/24/2010	Ru-103	7.00E+00	1.40E+01	4.90E+01	
TG	9	L16754-02	8/24/2010	Ru-106	1.00E+02	1.20E+02	4.10E+02	
TG	9	L16754-02	8/24/2010	Sb-124	0.00E+00	3.10E+01	1.20E+02	
TG	9	L16754-02	8/24/2010	Sb-125	-4.90E+01	3.60E+01	1.40E+02	
TG	9	L16754-02	8/24/2010	Se-75	9.00E+00	1.30E+01	4.40E+01	
TG	9	L16754-02	8/24/2010	Tel-132	-4.90E+02	3.30E+02	1.30E+03	
TG	9	L16754-02	8/24/2010	Zn-65	-2.00E+01	3.30E+01	1.30E+02	
TG	9	L16754-02	8/24/2010	Zr-95	5.00E+00	2.50E+01	9.00E+01	
TG	9	L16776-02	9/21/2010	AcTh-228	8.80E+01	5.40E+01	2.10E+02	
TG	9	L16776-02	9/21/2010	Ag-108m	-6.00E+00	1.20E+01	4.50E+01	
TG	9	L16776-02	9/21/2010	Ag-110m	-9.00E+00	2.20E+01	8.10E+01	
TG	9	L16776-02	9/21/2010	Ba-140	0.00E+00	3.70E+01	1.40E+02	
TG	9	L16776-02	9/21/2010	Be-7	3.47E+03	2.90E+02	6.40E+02	*
TG	9	L16776-02	9/21/2010	Ce-141	2.00E+00	2.10E+01	7.30E+01	
TG	9	L16776-02	9/21/2010	Ce-144	4.40E+01	5.50E+01	1.90E+02	
TG	9	L16776-02	9/21/2010	Co-57	-8.60E+00	7.00E+00	2.60E+01	
TG	9	L16776-02	9/21/2010	Co-58	-1.80E+01	1.50E+01	5.80E+01	
TG	9	L16776-02	9/21/2010	Co-60	-2.10E+01	1.60E+01	6.70E+01	
TG	9	L16776-02	9/21/2010	Cr-51	-8.00E+01	1.30E+02	4.60E+02	
TG	9	L16776-02	9/21/2010	Cs-134	-5.00E+00	1.10E+01	5.40E+01	
TG	9	L16776-02	9/21/2010	Cs-137	3.00E+00	1.40E+01	5.10E+01	
TG	9	L16776-02	9/21/2010	Fe-59	-2.20E+01	3.50E+01	1.40E+02	
TG	9	L16776-02	9/21/2010	I-131	3.40E+01	4.70E+01	1.60E+02	
TG	9	L16776-02	9/21/2010	I-131	4.00E-01	5.50E+00	3.30E+01	
TG	9	L16776-02	9/21/2010	K-40	3.68E+03	3.90E+02	7.50E+02	*
TG	9	L16776-02	9/21/2010	La-140	0.00E+00	3.70E+01	1.40E+02	
TG	9	L16776-02	9/21/2010	Mn-54	1.50E+01	1.50E+01	5.10E+01	
TG	9	L16776-02	9/21/2010	Nb-95	1.00E+01	1.90E+01	6.60E+01	
TG	9	L16776-02	9/21/2010	Ru-103	-1.50E+01	1.60E+01	6.00E+01	
TG	9	L16776-02	9/21/2010	Ru-106	1.00E+01	1.30E+02	4.80E+02	
TG	9	L16776-02	9/21/2010	Sb-124	4.00E+00	3.40E+01	1.30E+02	
TG	9	L16776-02	9/21/2010	Sb-125	-1.90E+01	3.50E+01	1.30E+02	
TG	9	L16776-02	9/21/2010	Se-75	1.70E+01	1.50E+01	5.00E+01	
TG	9	L16776-02	9/21/2010	Tel-132	1.80E+02	3.30E+02	1.10E+03	
TG	9	L16776-02	9/21/2010	Zn-65	-3.00E+00	6.10E+01	2.20E+02	

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	
TG	9	L16776-02	9/21/2010	Zr-95	5.20E+01	3.90E+01	1.30E+02	
TG	9	265446002	10/20/2010	Ac-228	1.03E+02	1.62E+01	3.69E+01	*
TG	9	265446002	10/20/2010	Ag-108m	-3.67E+00	2.40E+00	7.64E+00	
TG	9	265446002	10/20/2010	Ag-110m	-2.28E+00	3.70E+00	1.22E+01	
TG	9	265446002	10/20/2010	Ba-140	9.98E+00	1.80E+01	6.00E+01	
TG	9	265446002	10/20/2010	Be-7	1.42E+03	9.44E+01	8.32E+01	*
TG	9	265446002	10/20/2010	Bi-214	5.39E+01	1.33E+01	1.92E+01	*
TG	9	265446002	10/20/2010	Ce-141	5.57E-01	4.56E+00	1.48E+01	
TG	9	265446002	10/20/2010	Ce-144	-2.89E+01	1.56E+01	4.86E+01	
TG	9	265446002	10/20/2010	Co-57	5.46E-01	1.99E+00	6.51E+00	
TG	9	265446002	10/20/2010	Co-58	-4.48E+00	3.13E+00	9.54E+00	
TG	9	265446002	10/20/2010	Co-60	4.07E+00	2.77E+00	9.76E+00	
TG	9	265446002	10/20/2010	Cr-51	-4.58E+00	2.73E+01	9.11E+01	
TG	9	265446002	10/20/2010	Cs-134	4.75E+00	3.54E+00	1.20E+01	
TG	9	265446002	10/20/2010	Cs-137	1.62E+00	2.73E+00	9.08E+00	
TG	9	265446002	10/20/2010	Fe-59	9.60E+00	6.41E+00	2.25E+01	
TG	9	265446002	10/20/2010	I-131	-1.37E-01	7.19E+00	2.40E+01	
TG	9	265446002	10/20/2010	K-40	3.49E+03	1.89E+02	7.27E+01	*
TG	9	265446002	10/20/2010	La-140	9.48E-01	6.49E+00	2.13E+01	
TG	9	265446002	10/20/2010	Mn-54	5.34E+00	3.01E+00	1.03E+01	
TG	9	265446002	10/20/2010	Nb-95	2.99E+00	3.22E+00	1.07E+01	
TG	9	265446002	10/20/2010	Pb-212	1.56E+01	7.45E+00	1.55E+01	
TG	9	265446002	10/20/2010	Pb-214	3.97E+01	1.22E+01	1.78E+01	*
TG	9	265446002	10/20/2010	Ra-226	5.39E+01	1.33E+01	1.92E+01	*
TG	9	265446002	10/20/2010	Ra-228	1.03E+02	1.62E+01	3.69E+01	*
TG	9	265446002	10/20/2010	Ru-103	-2.31E-02	2.91E+00	9.60E+00	
TG	9	265446002	10/20/2010	Ru-106	-9.10E+00	2.61E+01	8.42E+01	
TG	9	265446002	10/20/2010	Sb-124	9.16E+00	6.36E+00	2.26E+01	
TG	9	265446002	10/20/2010	Sb-125	1.22E+01	6.90E+00	2.39E+01	
TG	9	265446002	10/20/2010	Se-75	5.83E+00	3.40E+00	1.18E+01	
TG	9	265446002	10/20/2010	Th-228	1.56E+01	7.45E+00	1.55E+01	UI
TG	9	265446002	10/20/2010	Th-230	5.39E+01	1.32E+01	1.92E+01	*
TG	9	265446002	10/20/2010	Th-232	1.03E+02	1.62E+01	3.69E+01	*
TG	9	265446002	10/20/2010	Zn-65	-5.73E+00	7.21E+00	2.33E+01	
TG	9	265446002	10/20/2010	Zr-95	-9.38E+00	5.48E+00	1.65E+01	
TG	10	L16530-03	5/18/2010	AcTh-228	2.70E+01	5.10E+01	1.80E+02	
TG	10	L16530-03	5/18/2010	Ag-108m	2.00E+00	1.20E+01	4.20E+01	
TG	10	L16530-03	5/18/2010	Ag-110m	-2.10E+01	2.20E+01	8.60E+01	
TG	10	L16530-03	5/18/2010	Ba-140	6.20E+01	4.50E+01	1.50E+02	
TG	10	L16530-03	5/18/2010	Be-7	6.50E+02	2.20E+02	6.60E+02	*
TG	10	L16530-03	5/18/2010	Ce-141	1.00E+01	2.50E+01	8.60E+01	
TG	10	L16530-03	5/18/2010	Ce-144	-5.30E+01	6.60E+01	2.40E+02	
TG	10	L16530-03	5/18/2010	Co-57	8.00E-01	8.70E+00	3.10E+01	
TG	10	L16530-03	5/18/2010	Co-58	-8.00E+00	1.50E+01	5.90E+01	
TG	10	L16530-03	5/18/2010	Co-60	-1.70E+01	1.70E+01	7.10E+01	
TG	10	L16530-03	5/18/2010	Cr-51	-2.50E+02	1.80E+02	6.70E+02	
TG	10	L16530-03	5/18/2010	Cs-134	-2.00E+01	1.10E+01	5.50E+01	
TG	10	L16530-03	5/18/2010	Cs-137	2.60E+01	1.40E+01	4.40E+01	
TG	10	L16530-03	5/18/2010	Fe-59	-1.40E+01	2.70E+01	1.20E+02	
TG	10	L16530-03	5/18/2010	I-131	3.00E+00	7.30E+00	3.80E+01	
TG	10	L16530-03	5/18/2010	I-131	1.00E+01	8.40E+01	3.00E+02	

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	
TG	10	L16530-03	5/18/2010	K-40	4.81E+03	4.40E+02	7.20E+02	*
TG	10	L16530-03	5/18/2010	La-140	6.20E+01	4.50E+01	1.50E+02	
TG	10	L16530-03	5/18/2010	Mn-54	-1.70E+01	1.40E+01	5.60E+01	
TG	10	L16530-03	5/18/2010	Nb-95	2.00E+00	2.20E+01	8.20E+01	
TG	10	L16530-03	5/18/2010	Ru-103	2.60E+01	2.10E+01	7.00E+01	
TG	10	L16530-03	5/18/2010	Ru-106	-5.00E+01	1.30E+02	4.90E+02	
TG	10	L16530-03	5/18/2010	Sb-124	-7.40E+01	3.70E+01	1.80E+02	
TG	10	L16530-03	5/18/2010	Sb-125	-5.90E+01	3.60E+01	1.40E+02	
TG	10	L16530-03	5/18/2010	Se-75	4.00E+00	1.80E+01	6.40E+01	
TG	10	L16530-03	5/18/2010	Tel-132	-2.00E+02	1.40E+03	5.10E+03	
TG	10	L16530-03	5/18/2010	Zn-65	-3.30E+01	3.70E+01	1.50E+02	
TG	10	L16530-03	5/18/2010	Zr-95	-1.00E+01	3.70E+01	1.40E+02	
TG	10	L16645-03	6/15/2010	AcTh-228	1.00E+01	6.40E+01	2.40E+02	
TG	10	L16645-03	6/15/2010	Ag-108m	-1.82E+01	9.80E+00	4.10E+01	
TG	10	L16645-03	6/15/2010	Ag-110m	1.70E+01	2.50E+01	9.00E+01	
TG	10	L16645-03	6/15/2010	Ba-140	7.70E+01	6.10E+01	2.10E+02	
TG	10	L16645-03	6/15/2010	Be-7	7.70E+02	2.20E+02	6.60E+02	*
TG	10	L16645-03	6/15/2010	Ce-141	6.00E+00	2.30E+01	8.10E+01	
TG	10	L16645-03	6/15/2010	Ce-144	-3.60E+01	5.10E+01	1.90E+02	
TG	10	L16645-03	6/15/2010	Co-57	-1.05E+01	6.30E+00	2.50E+01	
TG	10	L16645-03	6/15/2010	Co-58	8.00E+00	1.50E+01	5.60E+01	
TG	10	L16645-03	6/15/2010	Co-60	2.80E+01	1.60E+01	5.20E+01	
TG	10	L16645-03	6/15/2010	Cr-51	-1.50E+02	1.60E+02	6.10E+02	
TG	10	L16645-03	6/15/2010	Cs-134	-1.00E+01	1.10E+01	5.50E+01	
TG	10	L16645-03	6/15/2010	Cs-137	9.00E+00	1.40E+01	5.00E+01	
TG	10	L16645-03	6/15/2010	Fe-59	4.50E+01	4.10E+01	1.40E+02	
TG	10	L16645-03	6/15/2010	I-131	-3.30E+00	6.10E+00	4.10E+01	
TG	10	L16645-03	6/15/2010	I-131	0.00E+00	9.30E+01	3.40E+02	
TG	10	L16645-03	6/15/2010	K-40	3.31E+03	4.30E+02	8.30E+02	*
TG	10	L16645-03	6/15/2010	La-140	7.70E+01	6.10E+01	2.10E+02	
TG	10	L16645-03	6/15/2010	Mn-54	6.00E+00	1.60E+01	5.80E+01	
TG	10	L16645-03	6/15/2010	Nb-95	1.70E+01	2.30E+01	8.10E+01	
TG	10	L16645-03	6/15/2010	Ru-103	-1.70E+01	1.90E+01	7.50E+01	
TG	10	L16645-03	6/15/2010	Ru-106	1.50E+02	1.40E+02	4.80E+02	
TG	10	L16645-03	6/15/2010	Sb-124	1.00E+01	3.90E+01	1.60E+02	
TG	10	L16645-03	6/15/2010	Sb-125	-5.10E+01	3.70E+01	1.50E+02	
TG	10	L16645-03	6/15/2010	Se-75	-1.80E+01	1.40E+01	5.40E+01	
TG	10	L16645-03	6/15/2010	Tel-132	2.90E+03	2.00E+03	6.60E+03	
TG	10	L16645-03	6/15/2010	Zn-65	1.50E+01	3.70E+01	1.40E+02	
TG	10	L16645-03	6/15/2010	Zr-95	3.10E+01	2.80E+01	9.70E+01	
TG	10	L16726-03	7/27/2010	AcTh-228	5.60E+01	5.30E+01	1.80E+02	
TG	10	L16726-03	7/27/2010	Ag-108m	-5.00E+00	1.20E+01	4.40E+01	
TG	10	L16726-03	7/27/2010	Ag-110m	2.90E+01	1.90E+01	6.40E+01	
TG	10	L16726-03	7/27/2010	Ba-140	-5.60E+01	3.40E+01	1.50E+02	
TG	10	L16726-03	7/27/2010	Be-7	1.14E+03	2.10E+02	5.70E+02	*
TG	10	L16726-03	7/27/2010	Ce-141	0.00E+00	1.90E+01	6.80E+01	
TG	10	L16726-03	7/27/2010	Ce-144	8.00E+01	6.40E+01	2.10E+02	
TG	10	L16726-03	7/27/2010	Co-57	-4.10E+00	7.80E+00	2.80E+01	
TG	10	L16726-03	7/27/2010	Co-58	-1.30E+01	1.40E+01	5.60E+01	
TG	10	L16726-03	7/27/2010	Co-60	-2.60E+01	1.60E+01	6.90E+01	
TG	10	L16726-03	7/27/2010	Cr-51	0.00E+00	1.50E+02	5.20E+02	

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	
TG	10	L16726-03	7/27/2010	Cs-134	-9.00E+00	1.10E+01	5.50E+01	
TG	10	L16726-03	7/27/2010	Cs-137	-5.00E+00	1.50E+01	5.70E+01	
TG	10	L16726-03	7/27/2010	Fe-59	-1.50E+01	3.00E+01	1.20E+02	
TG	10	L16726-03	7/27/2010	I-131	1.20E+01	3.50E+01	1.20E+02	
TG	10	L16726-03	7/27/2010	I-131	1.30E+00	5.80E+00	3.30E+01	
TG	10	L16726-03	7/27/2010	K-40	2.80E+03	3.40E+02	6.80E+02	*
TG	10	L16726-03	7/27/2010	La-140	-5.60E+01	3.40E+01	1.50E+02	
TG	10	L16726-03	7/27/2010	Mn-54	1.20E+01	1.40E+01	4.90E+01	
TG	10	L16726-03	7/27/2010	Nb-95	1.80E+01	1.80E+01	6.20E+01	
TG	10	L16726-03	7/27/2010	Ru-103	-2.50E+01	1.60E+01	6.20E+01	
TG	10	L16726-03	7/27/2010	Ru-106	8.00E+01	1.20E+02	4.30E+02	
TG	10	L16726-03	7/27/2010	Sb-124	-8.00E+00	3.10E+01	1.30E+02	
TG	10	L16726-03	7/27/2010	Sb-125	-2.40E+01	4.00E+01	1.40E+02	
TG	10	L16726-03	7/27/2010	Se-75	9.00E+00	1.60E+01	5.50E+01	
TG	10	L16726-03	7/27/2010	Tel-132	-4.50E+02	1.90E+02	7.90E+02	
TG	10	L16726-03	7/27/2010	Zn-65	-2.30E+01	3.40E+01	1.30E+02	
TG	10	L16726-03	7/27/2010	Zr-95	1.90E+01	2.30E+01	8.20E+01	
TG	10	L16754-03	8/24/2010	AcTh-228	1.07E+02	5.50E+01	1.80E+02	
TG	10	L16754-03	8/24/2010	Ag-108m	2.30E+01	1.20E+01	3.70E+01	
TG	10	L16754-03	8/24/2010	Ag-110m	-1.90E+01	1.70E+01	6.90E+01	
TG	10	L16754-03	8/24/2010	Ba-140	3.50E+01	3.40E+01	1.20E+02	
TG	10	L16754-03	8/24/2010	Be-7	4.26E+03	2.70E+02	4.70E+02	*
TG	10	L16754-03	8/24/2010	Ce-141	3.00E+01	1.90E+01	6.20E+01	
TG	10	L16754-03	8/24/2010	Ce-144	-6.70E+01	6.10E+01	2.20E+02	
TG	10	L16754-03	8/24/2010	Co-57	2.20E+00	7.60E+00	2.70E+01	
TG	10	L16754-03	8/24/2010	Co-58	-4.00E+00	1.50E+01	5.50E+01	
TG	10	L16754-03	8/24/2010	Co-60	6.00E+00	1.60E+01	5.70E+01	
TG	10	L16754-03	8/24/2010	Cr-51	-1.00E+02	1.20E+02	4.50E+02	
TG	10	L16754-03	8/24/2010	Cs-134	5.00E+00	1.20E+01	5.10E+01	
TG	10	L16754-03	8/24/2010	Cs-137	3.80E+01	1.50E+01	4.60E+01	
TG	10	L16754-03	8/24/2010	Fe-59	1.20E+01	2.90E+01	1.00E+02	
TG	10	L16754-03	8/24/2010	I-131	-1.70E+01	4.10E+01	1.50E+02	
TG	10	L16754-03	8/24/2010	I-131	6.00E-01	8.20E+00	4.80E+01	
TG	10	L16754-03	8/24/2010	K-40	3.07E+03	3.30E+02	6.40E+02	*
TG	10	L16754-03	8/24/2010	La-140	3.50E+01	3.40E+01	1.20E+02	
TG	10	L16754-03	8/24/2010	Mn-54	-9.00E+00	1.50E+01	5.50E+01	
TG	10	L16754-03	8/24/2010	Nb-95	1.30E+01	1.90E+01	6.70E+01	
TG	10	L16754-03	8/24/2010	Ru-103	8.00E+00	1.70E+01	5.80E+01	
TG	10	L16754-03	8/24/2010	Ru-106	-9.00E+01	1.30E+02	4.80E+02	
TG	10	L16754-03	8/24/2010	Sb-124	-8.00E+00	2.50E+01	1.10E+02	
TG	10	L16754-03	8/24/2010	Sb-125	-8.30E+01	3.60E+01	1.40E+02	
TG	10	L16754-03	8/24/2010	Se-75	4.00E+00	1.60E+01	5.60E+01	
TG	10	L16754-03	8/24/2010	Tel-132	-1.70E+02	3.10E+02	1.20E+03	
TG	10	L16754-03	8/24/2010	Zn-65	3.20E+01	3.20E+01	1.10E+02	
TG	10	L16754-03	8/24/2010	Zr-95	-1.10E+01	2.50E+01	9.50E+01	
TG	10	L16776-03	9/21/2010	AcTh-228	8.40E+01	7.00E+01	2.30E+02	
TG	10	L16776-03	9/21/2010	Ag-108m	-8.00E+00	1.10E+01	4.00E+01	
TG	10	L16776-03	9/21/2010	Ag-110m	1.50E+01	1.40E+01	5.00E+01	
TG	10	L16776-03	9/21/2010	Ba-140	3.90E+01	2.80E+01	9.40E+01	
TG	10	L16776-03	9/21/2010	Be-7	1.54E+03	2.20E+02	5.50E+02	*
TG	10	L16776-03	9/21/2010	Ce-141	-1.60E+01	2.00E+01	7.40E+01	

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	
TG	10	L16776-03	9/21/2010	Ce-144	4.00E+00	6.10E+01	2.10E+02	
TG	10	L16776-03	9/21/2010	Co-57	2.10E+00	7.80E+00	2.70E+01	
TG	10	L16776-03	9/21/2010	Co-58	-1.60E+01	1.60E+01	6.20E+01	
TG	10	L16776-03	9/21/2010	Co-60	-1.00E+01	1.50E+01	5.90E+01	
TG	10	L16776-03	9/21/2010	Cr-51	1.70E+02	1.40E+02	4.80E+02	
TG	10	L16776-03	9/21/2010	Cs-134	1.90E+01	1.40E+01	5.00E+01	
TG	10	L16776-03	9/21/2010	Cs-137	3.60E+01	1.50E+01	4.70E+01	
TG	10	L16776-03	9/21/2010	Fe-59	6.00E+00	3.50E+01	1.30E+02	
TG	10	L16776-03	9/21/2010	I-131	4.70E+01	4.10E+01	1.40E+02	
TG	10	L16776-03	9/21/2010	I-131	4.00E-01	5.50E+00	3.20E+01	
TG	10	L16776-03	9/21/2010	K-40	3.20E+03	3.50E+02	6.60E+02	*
TG	10	L16776-03	9/21/2010	La-140	3.90E+01	2.80E+01	9.40E+01	
TG	10	L16776-03	9/21/2010	Mn-54	4.00E+00	1.30E+01	4.60E+01	
TG	10	L16776-03	9/21/2010	Nb-95	6.00E+00	1.90E+01	6.70E+01	
TG	10	L16776-03	9/21/2010	Ru-103	2.10E+01	1.50E+01	4.80E+01	
TG	10	L16776-03	9/21/2010	Ru-106	-7.00E+01	1.30E+02	4.80E+02	
TG	10	L16776-03	9/21/2010	Sb-124	2.50E+01	3.00E+01	1.10E+02	
TG	10	L16776-03	9/21/2010	Sb-125	1.50E+01	3.70E+01	1.30E+02	
TG	10	L16776-03	9/21/2010	Se-75	0.00E+00	1.60E+01	5.70E+01	
TG	10	L16776-03	9/21/2010	Tel-132	-3.00E+02	2.70E+02	1.10E+03	
TG	10	L16776-03	9/21/2010	Zn-65	-3.90E+01	6.70E+01	2.40E+02	
TG	10	L16776-03	9/21/2010	Zr-95	-6.00E+00	3.20E+01	1.20E+02	
TG	10	265446003	10/19/2010	Ac-228	1.98E+01	2.52E+01	4.84E+01	
TG	10	265446003	10/19/2010	Ag-108m	5.22E-01	2.40E+00	7.77E+00	
TG	10	265446003	10/19/2010	Ag-110m	-7.37E+00	4.14E+00	1.23E+01	
TG	10	265446003	10/19/2010	Ba-140	-5.92E+00	2.01E+01	6.67E+01	
TG	10	265446003	10/19/2010	Be-7	3.05E+03	1.64E+02	8.15E+01	*
TG	10	265446003	10/19/2010	Ce-141	-1.81E+00	5.12E+00	1.62E+01	
TG	10	265446003	10/19/2010	Ce-144	3.38E+00	1.67E+01	5.38E+01	
TG	10	265446003	10/19/2010	Co-57	2.03E+00	2.17E+00	7.11E+00	
TG	10	265446003	10/19/2010	Co-58	-3.60E+00	3.19E+00	9.90E+00	
TG	10	265446003	10/19/2010	Co-60	1.93E+00	2.86E+00	9.69E+00	
TG	10	265446003	10/19/2010	Cr-51	-3.21E+01	3.13E+01	1.00E+02	
TG	10	265446003	10/19/2010	Cs-134	4.85E+00	3.24E+00	1.12E+01	
TG	10	265446003	10/19/2010	Cs-137	6.98E+00	2.96E+00	1.05E+01	
TG	10	265446003	10/19/2010	Fe-59	3.57E+00	7.32E+00	2.48E+01	
TG	10	265446003	10/19/2010	I-131	-2.43E+00	9.32E+00	3.02E+01	
TG	10	265446003	10/19/2010	K-40	2.48E+03	1.54E+02	8.77E+01	*
TG	10	265446003	10/19/2010	La-140	-1.09E+01	6.72E+00	2.02E+01	
TG	10	265446003	10/19/2010	Mn-54	2.11E+00	2.89E+00	9.64E+00	
TG	10	265446003	10/19/2010	Nb-95	-7.54E-01	2.98E+00	9.64E+00	
TG	10	265446003	10/19/2010	Ru-103	-4.84E-01	3.02E+00	1.01E+01	
TG	10	265446003	10/19/2010	Ru-106	4.75E+00	2.30E+01	7.68E+01	
TG	10	265446003	10/19/2010	Sb-124	2.33E+00	6.92E+00	2.35E+01	
TG	10	265446003	10/19/2010	Sb-125	7.49E+00	7.37E+00	2.44E+01	
TG	10	265446003	10/19/2010	Se-75	4.10E+00	3.75E+00	1.27E+01	
TG	10	265446003	10/19/2010	Th-228	9.71E+00	7.70E+00	1.82E+01	
TG	10	265446003	10/19/2010	Zn-65	-7.94E+00	6.87E+00	2.17E+01	
TG	10	265446003	10/19/2010	Zr-95	1.33E+00	5.56E+00	1.84E+01	

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	
WG	1	L16331-01	3/24/2010	Gross Beta	3.40E+00	1.00E+00	3.00E+00	*
WG	1	L16331-01	3/24/2010	H-3	-6.30E+02	4.40E+02	1.30E+03	
WG	1	L16331-01	3/24/2010	AcTh-228	-9.50E+00	5.00E+00	1.90E+01	
WG	1	L16331-01	3/24/2010	Ag-108m	1.50E+00	1.20E+00	3.90E+00	
WG	1	L16331-01	3/24/2010	Ag-110m	-4.00E-01	1.70E+00	6.10E+00	
WG	1	L16331-01	3/24/2010	Ba-140	1.60E+00	2.80E+00	9.90E+00	
WG	1	L16331-01	3/24/2010	Be-7	7.00E+00	1.40E+01	4.80E+01	
WG	1	L16331-01	3/24/2010	Ce-141	-6.00E-01	2.50E+00	8.50E+00	
WG	1	L16331-01	3/24/2010	Ce-144	1.02E+01	8.00E+00	2.60E+01	
WG	1	L16331-01	3/24/2010	Co-57	-3.00E-01	1.00E+00	3.60E+00	
WG	1	L16331-01	3/24/2010	Co-58	-8.00E-01	1.30E+00	4.60E+00	
WG	1	L16331-01	3/24/2010	Co-60	-1.30E+00	1.60E+00	5.80E+00	
WG	1	L16331-01	3/24/2010	Cr-51	-1.10E+01	1.40E+01	4.90E+01	
WG	1	L16331-01	3/24/2010	Cs-134	1.30E+00	1.00E+00	4.30E+00	
WG	1	L16331-01	3/24/2010	Cs-137	-5.00E-01	1.50E+00	5.30E+00	
WG	1	L16331-01	3/24/2010	Fe-59	-4.40E+00	2.70E+00	1.10E+01	
WG	1	L16331-01	3/24/2010	I-131	-7.90E+00	3.80E+00	1.40E+01	
WG	1	L16331-01	3/24/2010	K-40	-2.00E+01	1.60E+01	6.10E+01	
WG	1	L16331-01	3/24/2010	La-140	1.60E+00	2.80E+00	9.90E+00	
WG	1	L16331-01	3/24/2010	Mn-54	-2.60E+00	1.50E+00	5.70E+00	
WG	1	L16331-01	3/24/2010	Nb-95	3.20E+00	2.10E+00	6.90E+00	
WG	1	L16331-01	3/24/2010	Ru-103	-2.80E+00	1.80E+00	6.50E+00	
WG	1	L16331-01	3/24/2010	Ru-106	1.50E+01	1.40E+01	4.60E+01	
WG	1	L16331-01	3/24/2010	Sb-124	3.30E+00	3.10E+00	1.10E+01	
WG	1	L16331-01	3/24/2010	Sb-125	-8.00E-01	3.50E+00	1.20E+01	
WG	1	L16331-01	3/24/2010	Se-75	-2.50E+00	1.80E+00	6.30E+00	
WG	1	L16331-01	3/24/2010	Zn-65	-1.20E+00	2.90E+00	1.00E+01	
WG	1	L16331-01	3/24/2010	Zr-95	6.00E-01	2.40E+00	8.30E+00	
WG	1	L16642-01	6/16/2010	Gross Beta	5.00E+00	1.10E+00	3.10E+00	*
WG	1	L16642-01	6/16/2010	H-3	4.00E+01	4.30E+02	1.30E+03	
WG	1	L16642-01	6/16/2010	AcTh-228	3.80E+00	4.20E+00	1.40E+01	
WG	1	L16642-01	6/16/2010	Ag-108m	-1.00E-01	1.00E+00	3.50E+00	
WG	1	L16642-01	6/16/2010	Ag-110m	1.50E+00	1.50E+00	4.90E+00	
WG	1	L16642-01	6/16/2010	Ba-140	-1.00E+00	2.70E+00	1.00E+01	
WG	1	L16642-01	6/16/2010	Be-7	2.00E+00	1.10E+01	3.70E+01	
WG	1	L16642-01	6/16/2010	Ce-141	-3.00E-01	1.80E+00	6.00E+00	
WG	1	L16642-01	6/16/2010	Ce-144	-1.00E-01	6.00E+00	2.10E+01	
WG	1	L16642-01	6/16/2010	Co-57	-4.40E-01	8.00E-01	2.80E+00	
WG	1	L16642-01	6/16/2010	Co-58	-2.30E+00	1.30E+00	5.00E+00	
WG	1	L16642-01	6/16/2010	Co-60	-3.00E-01	1.20E+00	4.50E+00	
WG	1	L16642-01	6/16/2010	Cr-51	-1.30E+01	1.10E+01	3.80E+01	
WG	1	L16642-01	6/16/2010	Cs-134	2.00E-01	1.10E+00	4.10E+00	
WG	1	L16642-01	6/16/2010	Cs-137	-3.00E-01	1.10E+00	3.80E+00	
WG	1	L16642-01	6/16/2010	Fe-59	2.40E+00	2.60E+00	9.00E+00	
WG	1	L16642-01	6/16/2010	I-131	-3.60E+00	3.10E+00	1.10E+01	
WG	1	L16642-01	6/16/2010	K-40	2.40E+01	2.00E+01	6.50E+01	
WG	1	L16642-01	6/16/2010	La-140	-1.00E+00	2.70E+00	1.00E+01	
WG	1	L16642-01	6/16/2010	Mn-54	-1.40E+00	1.10E+00	4.00E+00	
WG	1	L16642-01	6/16/2010	Nb-95	-4.00E-01	1.50E+00	5.20E+00	
WG	1	L16642-01	6/16/2010	Ru-103	-2.30E+00	1.40E+00	5.20E+00	
WG	1	L16642-01	6/16/2010	Ru-106	1.20E+01	1.10E+01	3.60E+01	

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	
WG	1	L16642-01	6/16/2010	Sb-124	3.10E+00	2.60E+00	8.70E+00	
WG	1	L16642-01	6/16/2010	Sb-125	5.70E+00	3.10E+00	1.00E+01	
WG	1	L16642-01	6/16/2010	Se-75	5.00E-01	1.40E+00	4.90E+00	
WG	1	L16642-01	6/16/2010	Zn-65	4.40E+00	4.90E+00	1.60E+01	
WG	1	L16642-01	6/16/2010	Zr-95	3.80E+00	2.30E+00	7.50E+00	
WG	1	L16772-01	9/15/2010	Gross Beta	7.30E+00	1.30E+00	3.50E+00	*
WG	1	L16772-01	9/15/2010	H-3	1.60E+02	5.60E+02	1.70E+03	
WG	1	L16772-01	9/15/2010	AcTh-228	-7.80E+00	8.10E+00	3.00E+01	
WG	1	L16772-01	9/15/2010	Ag-108m	-9.00E-01	1.50E+00	5.40E+00	
WG	1	L16772-01	9/15/2010	Ag-110m	-9.00E-01	2.50E+00	9.40E+00	
WG	1	L16772-01	9/15/2010	Ba-140	7.70E+00	3.50E+00	1.10E+01	
WG	1	L16772-01	9/15/2010	Be-7	-8.00E+00	1.50E+01	5.40E+01	
WG	1	L16772-01	9/15/2010	Ce-141	-4.30E+00	2.50E+00	8.80E+00	
WG	1	L16772-01	9/15/2010	Ce-144	-5.90E+00	7.50E+00	2.70E+01	
WG	1	L16772-01	9/15/2010	Co-57	1.64E+00	9.50E-01	3.10E+00	
WG	1	L16772-01	9/15/2010	Co-58	-2.00E+00	1.80E+00	6.80E+00	
WG	1	L16772-01	9/15/2010	Co-60	-2.80E+00	2.00E+00	8.20E+00	
WG	1	L16772-01	9/15/2010	Cr-51	-1.00E+00	1.30E+01	4.70E+01	
WG	1	L16772-01	9/15/2010	Cs-134	-2.50E+00	1.80E+00	7.10E+00	
WG	1	L16772-01	9/15/2010	Cs-137	-2.00E+00	1.80E+00	6.80E+00	
WG	1	L16772-01	9/15/2010	Fe-59	4.20E+00	3.80E+00	1.30E+01	
WG	1	L16772-01	9/15/2010	I-131	-7.20E+00	3.30E+00	1.20E+01	
WG	1	L16772-01	9/15/2010	K-40	3.00E+00	2.70E+01	9.80E+01	
WG	1	L16772-01	9/15/2010	La-140	7.70E+00	3.50E+00	1.10E+01	
WG	1	L16772-01	9/15/2010	Mn-54	-3.00E+00	1.60E+00	6.50E+00	
WG	1	L16772-01	9/15/2010	Nb-95	9.00E-01	3.20E+00	1.10E+01	
WG	1	L16772-01	9/15/2010	Ru-103	-3.70E+00	1.80E+00	6.90E+00	
WG	1	L16772-01	9/15/2010	Ru-106	-1.60E+01	1.50E+01	5.60E+01	
WG	1	L16772-01	9/15/2010	Sb-124	-2.60E+00	3.70E+00	1.60E+01	
WG	1	L16772-01	9/15/2010	Sb-125	-6.20E+00	4.30E+00	1.60E+01	
WG	1	L16772-01	9/15/2010	Se-75	1.10E+00	1.90E+00	6.40E+00	
WG	1	L16772-01	9/15/2010	Zn-65	-8.30E+00	8.30E+00	3.00E+01	
WG	1	L16772-01	9/15/2010	Zr-95	-5.00E+00	2.80E+00	1.10E+01	
WG	1	268133001	12/1/2010	Ac-228	7.21E-02	3.46E+00	8.99E+00	
WG	1	268133001	12/1/2010	Ag-108m	1.38E-01	5.51E-01	1.77E+00	
WG	1	268133001	12/1/2010	Ag-110m	-9.59E-02	5.39E-01	1.76E+00	
WG	1	268133001	12/1/2010	Ba-140	3.33E+00	3.08E+00	1.04E+01	
WG	1	268133001	12/1/2010	Be-7	-2.99E+00	5.02E+00	1.67E+01	
WG	1	268133001	12/1/2010	Bi-214	2.29E+01	3.31E+00	4.01E+00	*
WG	1	268133001	12/1/2010	Ce-141	-7.66E-01	1.59E+00	3.76E+00	
WG	1	268133001	12/1/2010	Ce-144	2.80E-01	4.42E+00	1.41E+01	
WG	1	268133001	12/1/2010	Co-57	1.06E+00	5.84E-01	1.91E+00	
WG	1	268133001	12/1/2010	Co-58	-1.39E-03	6.49E-01	2.10E+00	
WG	1	268133001	12/1/2010	Co-60	-7.27E-01	6.46E-01	2.00E+00	
WG	1	268133001	12/1/2010	Cr-51	-7.58E+00	6.00E+00	1.91E+01	
WG	1	268133001	12/1/2010	Cs-134	4.33E-01	6.78E-01	2.24E+00	
WG	1	268133001	12/1/2010	Cs-137	6.25E-01	6.88E-01	2.03E+00	
WG	1	268133001	12/1/2010	Fe-59	4.24E-01	1.20E+00	4.01E+00	
WG	1	268133001	12/1/2010	Gross Beta	4.72E+00	1.78E+00	2.48E+00	
WG	1	268133001	12/1/2010	H-3	7.04E+01	1.43E+02	4.59E+02	
WG	1	268133001	12/1/2010	I-131	3.01E-01	1.16E+00	3.79E+00	

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	
WG	1	268133001	12/1/2010	K-40	-7.50E+00	1.17E+01	2.74E+01	
WG	1	268133001	12/1/2010	La-140	-1.51E+00	1.13E+00	3.55E+00	
WG	1	268133001	12/1/2010	Mn-54	1.01E-01	6.07E-01	1.97E+00	
WG	1	268133001	12/1/2010	Nb-95	-3.67E-01	6.68E-01	2.14E+00	
WG	1	268133001	12/1/2010	Pb-212	-7.09E-01	2.39E+00	5.92E+00	
WG	1	268133001	12/1/2010	Pb-214	3.10E+01	3.44E+00	4.32E+00	*
WG	1	268133001	12/1/2010	Ru-103	-1.03E+00	6.27E-01	2.01E+00	
WG	1	268133001	12/1/2010	Ru-106	-8.93E-01	5.03E+00	1.65E+01	
WG	1	268133001	12/1/2010	Sb-124	-7.64E-01	1.44E+00	4.66E+00	
WG	1	268133001	12/1/2010	Sb-125	9.21E-01	1.65E+00	5.36E+00	
WG	1	268133001	12/1/2010	Se-75	5.47E-01	8.41E-01	2.81E+00	
WG	1	268133001	12/1/2010	Th-228	-7.09E-01	2.39E+00	5.92E+00	
WG	1	268133001	12/1/2010	Zn-65	-1.49E+00	1.55E+00	4.17E+00	
WG	1	268133001	12/1/2010	Zr-95	-8.94E-01	1.08E+00	3.40E+00	
WG	13	L16331-02	3/24/2010	AcTh-228	3.40E+00	6.50E+00	2.30E+01	
WG	13	L16331-02	3/24/2010	Ag-108m	5.00E-01	1.30E+00	4.40E+00	
WG	13	L16331-02	3/24/2010	Ag-110m	-1.20E+00	2.10E+00	7.90E+00	
WG	13	L16331-02	3/24/2010	Ba-140	6.00E-01	3.70E+00	1.40E+01	
WG	13	L16331-02	3/24/2010	Be-7	-8.00E+00	1.20E+01	4.50E+01	
WG	13	L16331-02	3/24/2010	Ce-141	4.50E+00	3.00E+00	9.90E+00	
WG	13	L16331-02	3/24/2010	Ce-144	-3.60E+00	7.00E+00	2.40E+01	
WG	13	L16331-02	3/24/2010	Co-57	-1.05E+00	8.00E-01	2.90E+00	
WG	13	L16331-02	3/24/2010	Co-58	-1.50E+00	1.80E+00	6.50E+00	
WG	13	L16331-02	3/24/2010	Co-60	5.00E-01	1.90E+00	6.90E+00	
WG	13	L16331-02	3/24/2010	Cr-51	-4.00E+00	1.30E+01	4.80E+01	
WG	13	L16331-02	3/24/2010	Cs-134	-3.00E-01	1.10E+00	5.00E+00	
WG	13	L16331-02	3/24/2010	Cs-137	-1.30E+00	2.10E+00	7.60E+00	
WG	13	L16331-02	3/24/2010	Fe-59	-4.70E+00	3.20E+00	1.30E+01	
WG	13	L16331-02	3/24/2010	Gross Beta	3.60E+00	1.00E+00	2.90E+00	*
WG	13	L16331-02	3/24/2010	H-3	-3.30E+02	4.30E+02	1.30E+03	
WG	13	L16331-02	3/24/2010	I-131	-7.10E+00	3.20E+00	1.20E+01	
WG	13	L16331-02	3/24/2010	K-40	7.00E+00	2.50E+01	8.90E+01	
WG	13	L16331-02	3/24/2010	La-140	6.00E-01	3.70E+00	1.40E+01	
WG	13	L16331-02	3/24/2010	Mn-54	-6.00E-01	1.50E+00	5.60E+00	
WG	13	L16331-02	3/24/2010	Nb-95	2.50E+00	1.80E+00	6.20E+00	
WG	13	L16331-02	3/24/2010	Ru-103	-8.00E-01	1.80E+00	6.30E+00	
WG	13	L16331-02	3/24/2010	Ru-106	1.00E+00	1.40E+01	4.90E+01	
WG	13	L16331-02	3/24/2010	Sb-124	-6.70E+00	4.70E+00	1.90E+01	
WG	13	L16331-02	3/24/2010	Sb-125	3.00E+00	4.00E+00	1.40E+01	
WG	13	L16331-02	3/24/2010	Se-75	-2.50E+00	1.70E+00	6.10E+00	
WG	13	L16331-02	3/24/2010	Zn-65	-6.80E+00	3.50E+00	1.40E+01	
WG	13	L16331-02	3/24/2010	Zr-95	-6.10E+00	3.20E+00	1.20E+01	
WG	13	L16642-02	6/16/2010	AcTh-228	9.00E-01	4.70E+00	1.60E+01	
WG	13	L16642-02	6/16/2010	Ag-108m	-1.20E+00	1.10E+00	4.00E+00	
WG	13	L16642-02	6/16/2010	Ag-110m	-1.90E+00	1.60E+00	5.90E+00	
WG	13	L16642-02	6/16/2010	Ba-140	1.20E+00	2.70E+00	9.40E+00	
WG	13	L16642-02	6/16/2010	Be-7	-1.90E+01	1.10E+01	4.00E+01	
WG	13	L16642-02	6/16/2010	Ce-141	-1.00E-01	2.10E+00	7.10E+00	
WG	13	L16642-02	6/16/2010	Ce-144	3.30E+00	6.70E+00	2.30E+01	
WG	13	L16642-02	6/16/2010	Co-57	-1.14E+00	8.50E-01	3.00E+00	
WG	13	L16642-02	6/16/2010	Co-58	-1.30E+00	1.20E+00	4.40E+00	

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	
WG	13	L16642-02	6/16/2010	Co-60	4.00E-01	1.20E+00	4.30E+00	
WG	13	L16642-02	6/16/2010	Cr-51	1.20E+01	1.10E+01	3.70E+01	
WG	13	L16642-02	6/16/2010	Cs-134	-1.32E+00	9.00E-01	4.50E+00	
WG	13	L16642-02	6/16/2010	Cs-137	-9.00E-01	1.20E+00	4.20E+00	
WG	13	L16642-02	6/16/2010	Fe-59	-8.00E-01	2.70E+00	9.90E+00	
WG	13	L16642-02	6/16/2010	Gross Beta	7.50E+00	1.30E+00	3.30E+00	*
WG	13	L16642-02	6/16/2010	H-3	9.00E+01	4.30E+02	1.30E+03	
WG	13	L16642-02	6/16/2010	I-131	4.00E-01	3.10E+00	1.10E+01	
WG	13	L16642-02	6/16/2010	K-40	-2.50E+01	1.60E+01	6.10E+01	
WG	13	L16642-02	6/16/2010	La-140	1.20E+00	2.70E+00	9.40E+00	
WG	13	L16642-02	6/16/2010	Mn-54	-8.00E-01	1.20E+00	4.30E+00	
WG	13	L16642-02	6/16/2010	Nb-95	-3.00E-01	1.50E+00	5.40E+00	
WG	13	L16642-02	6/16/2010	Ru-103	-2.50E+00	1.40E+00	5.00E+00	
WG	13	L16642-02	6/16/2010	Ru-106	-4.00E+00	1.10E+01	3.80E+01	
WG	13	L16642-02	6/16/2010	Sb-124	7.00E-01	3.10E+00	1.10E+01	
WG	13	L16642-02	6/16/2010	Sb-125	4.60E+00	3.30E+00	1.10E+01	
WG	13	L16642-02	6/16/2010	Se-75	-1.90E+00	1.50E+00	5.40E+00	
WG	13	L16642-02	6/16/2010	Zn-65	-3.70E+00	2.60E+00	9.70E+00	
WG	13	L16642-02	6/16/2010	Zr-95	6.00E-01	1.90E+00	6.80E+00	
WG	13	L16772-02	9/15/2010	AcTh-228	-4.50E+00	6.30E+00	2.40E+01	
WG	13	L16772-02	9/15/2010	Ag-108m	2.60E+00	1.30E+00	4.20E+00	
WG	13	L16772-02	9/15/2010	Ag-110m	2.00E+00	2.40E+00	8.40E+00	
WG	13	L16772-02	9/15/2010	Ba-140	1.00E+00	4.00E+00	1.50E+01	
WG	13	L16772-02	9/15/2010	Be-7	-1.60E+01	1.40E+01	5.20E+01	
WG	13	L16772-02	9/15/2010	Ce-141	2.60E+00	2.40E+00	7.90E+00	
WG	13	L16772-02	9/15/2010	Ce-144	-1.73E+01	7.90E+00	2.90E+01	
WG	13	L16772-02	9/15/2010	Co-57	1.27E+00	8.50E-01	2.80E+00	
WG	13	L16772-02	9/15/2010	Co-58	1.00E+00	1.60E+00	5.80E+00	
WG	13	L16772-02	9/15/2010	Co-60	-2.50E+00	2.50E+00	9.80E+00	
WG	13	L16772-02	9/15/2010	Cr-51	4.00E+00	1.30E+01	4.40E+01	
WG	13	L16772-02	9/15/2010	Cs-134	8.00E-01	1.50E+00	6.20E+00	
WG	13	L16772-02	9/15/2010	Cs-137	9.00E-01	2.00E+00	6.90E+00	
WG	13	L16772-02	9/15/2010	Fe-59	1.60E+00	4.00E+00	1.40E+01	
WG	13	L16772-02	9/15/2010	Gross Beta	7.90E+00	1.30E+00	3.70E+00	*
WG	13	L16772-02	9/15/2010	H-3	2.00E+01	5.60E+02	1.70E+03	
WG	13	L16772-02	9/15/2010	I-131	9.00E-01	2.60E+00	9.00E+00	
WG	13	L16772-02	9/15/2010	K-40	2.50E+01	2.70E+01	9.20E+01	
WG	13	L16772-02	9/15/2010	La-140	1.00E+00	4.00E+00	1.50E+01	
WG	13	L16772-02	9/15/2010	Mn-54	0.00E+00	1.50E+00	5.60E+00	
WG	13	L16772-02	9/15/2010	Nb-95	-4.00E-01	1.90E+00	7.00E+00	
WG	13	L16772-02	9/15/2010	Ru-103	6.00E-01	1.70E+00	5.90E+00	
WG	13	L16772-02	9/15/2010	Ru-106	3.00E+00	1.50E+01	5.40E+01	
WG	13	L16772-02	9/15/2010	Sb-124	-2.00E+00	4.30E+00	1.70E+01	
WG	13	L16772-02	9/15/2010	Sb-125	-4.30E+00	4.40E+00	1.60E+01	
WG	13	L16772-02	9/15/2010	Se-75	-1.00E-01	1.80E+00	6.30E+00	
WG	13	L16772-02	9/15/2010	Zn-65	-9.80E+00	4.90E+00	1.90E+01	
WG	13	L16772-02	9/15/2010	Zr-95	2.20E+00	2.90E+00	1.00E+01	
WG	13	268133002	12/1/2010	Ac-228	2.45E-02	3.73E+00	9.11E+00	
WG	13	268133002	12/1/2010	Ag-108m	-2.10E-01	5.40E-01	1.73E+00	
WG	13	268133002	12/1/2010	Ag-110m	-9.46E-01	5.65E-01	1.77E+00	
WG	13	268133002	12/1/2010	Ba-140	-9.04E-01	2.87E+00	9.57E+00	

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	
WG	13	268133002	12/1/2010	Be-7	9.42E+00	5.32E+00	1.79E+01	
WG	13	268133002	12/1/2010	Bi-214	9.87E+00	2.83E+00	3.62E+00	*
WG	13	268133002	12/1/2010	Ce-141	3.71E-01	1.08E+00	3.47E+00	
WG	13	268133002	12/1/2010	Ce-144	7.31E+00	3.98E+00	1.31E+01	
WG	13	268133002	12/1/2010	Co-57	-1.50E-01	5.06E-01	1.63E+00	
WG	13	268133002	12/1/2010	Co-58	9.28E-02	5.95E-01	1.96E+00	
WG	13	268133002	12/1/2010	Co-60	4.12E-01	6.31E-01	2.14E+00	
WG	13	268133002	12/1/2010	Cr-51	7.33E+00	5.59E+00	1.90E+01	
WG	13	268133002	12/1/2010	Cs-134	2.36E-01	6.57E-01	2.18E+00	
WG	13	268133002	12/1/2010	Cs-137	1.85E-01	5.76E-01	1.93E+00	
WG	13	268133002	12/1/2010	Fe-59	-6.77E-01	1.29E+00	4.21E+00	
WG	13	268133002	12/1/2010	Gross Beta	2.84E+00	1.40E+00	2.08E+00	
WG	13	268133002	12/1/2010	H-3	1.56E+02	1.48E+02	4.59E+02	
WG	13	268133002	12/1/2010	I-131	-6.30E-01	1.13E+00	3.65E+00	
WG	13	268133002	12/1/2010	K-40	-4.45E+00	1.09E+01	2.91E+01	
WG	13	268133002	12/1/2010	La-140	-1.11E+00	1.09E+00	3.31E+00	
WG	13	268133002	12/1/2010	Mn-54	2.38E-01	5.74E-01	1.90E+00	
WG	13	268133002	12/1/2010	Nb-95	1.03E-01	6.24E-01	2.06E+00	
WG	13	268133002	12/1/2010	Pb-212	2.36E-01	1.92E+00	4.38E+00	
WG	13	268133002	12/1/2010	Pb-214	2.67E+00	2.57E+00	5.24E+00	
WG	13	268133002	12/1/2010	Ru-103	-1.12E+00	7.06E-01	2.14E+00	
WG	13	268133002	12/1/2010	Ru-106	5.51E+00	5.39E+00	1.85E+01	
WG	13	268133002	12/1/2010	Sb-124	-3.14E-01	1.52E+00	5.03E+00	
WG	13	268133002	12/1/2010	Sb-125	-3.18E+00	1.59E+00	4.82E+00	
WG	13	268133002	12/1/2010	Se-75	-8.79E-01	8.09E-01	2.64E+00	
WG	13	268133002	12/1/2010	Th-228	2.36E-01	1.92E+00	4.38E+00	
WG	13	268133002	12/1/2010	Zn-65	-1.61E+00	1.30E+00	4.12E+00	
WG	13	268133002	12/1/2010	Zr-95	-1.37E+00	1.01E+00	3.15E+00	
WG	14	L16331-03	4/7/2010	AcTh-228	-4.70E+00	6.10E+00	2.30E+01	
WG	14	L16331-03	4/7/2010	Ag-108m	2.70E+00	1.60E+00	5.20E+00	
WG	14	L16331-03	4/7/2010	Ag-110m	5.00E+00	2.60E+00	8.50E+00	
WG	14	L16331-03	4/7/2010	Ba-140	1.00E-01	3.50E+00	1.30E+01	
WG	14	L16331-03	4/7/2010	Be-7	-1.50E+01	1.50E+01	5.70E+01	
WG	14	L16331-03	4/7/2010	Ce-141	-1.60E+00	2.60E+00	9.30E+00	
WG	14	L16331-03	4/7/2010	Ce-144	-1.24E+01	9.30E+00	3.40E+01	
WG	14	L16331-03	4/7/2010	Co-57	-8.00E-01	1.20E+00	4.30E+00	
WG	14	L16331-03	4/7/2010	Co-58	-1.90E+00	1.80E+00	6.80E+00	
WG	14	L16331-03	4/7/2010	Co-60	-1.10E+00	1.60E+00	6.40E+00	
WG	14	L16331-03	4/7/2010	Cr-51	-1.70E+01	1.50E+01	5.60E+01	
WG	14	L16331-03	4/7/2010	Cs-134	7.00E-01	1.20E+00	5.60E+00	
WG	14	L16331-03	4/7/2010	Cs-137	1.80E+00	1.70E+00	5.70E+00	
WG	14	L16331-03	4/7/2010	Fe-59	-2.60E+00	3.80E+00	1.40E+01	
WG	14	L16331-03	4/7/2010	Gross Beta	4.20E+00	1.00E+00	2.80E+00	*
WG	14	L16331-03	4/7/2010	H-3	7.50E+02	4.40E+02	1.30E+03	
WG	14	L16331-03	4/7/2010	I-131	8.00E-01	2.90E+00	1.00E+01	
WG	14	L16331-03	4/7/2010	K-40	4.80E+01	3.00E+01	9.70E+01	
WG	14	L16331-03	4/7/2010	La-140	1.00E-01	3.50E+00	1.30E+01	
WG	14	L16331-03	4/7/2010	Mn-54	-1.80E+00	1.80E+00	6.80E+00	
WG	14	L16331-03	4/7/2010	Nb-95	-3.00E+00	2.20E+00	8.30E+00	
WG	14	L16331-03	4/7/2010	Ru-103	-1.40E+00	1.90E+00	7.00E+00	
WG	14	L16331-03	4/7/2010	Ru-106	-1.10E+01	1.30E+01	4.90E+01	

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	
WG	14	L16331-03	4/7/2010	Sb-124	7.80E+00	4.60E+00	1.50E+01	
WG	14	L16331-03	4/7/2010	Sb-125	8.00E+00	4.70E+00	1.50E+01	
WG	14	L16331-03	4/7/2010	Se-75	9.00E-01	2.20E+00	7.40E+00	
WG	14	L16331-03	4/7/2010	Zn-65	-3.30E+00	8.20E+00	2.90E+01	
WG	14	L16331-03	4/7/2010	Zr-95	7.00E-01	3.20E+00	1.10E+01	
WG	14	L16642-03	6/16/2010	AcTh-228	-6.00E-01	5.40E+00	1.90E+01	
WG	14	L16642-03	6/16/2010	Ag-108m	1.50E+00	1.20E+00	4.00E+00	
WG	14	L16642-03	6/16/2010	Ag-110m	2.00E-01	2.00E+00	7.10E+00	
WG	14	L16642-03	6/16/2010	Ba-140	2.70E+00	3.40E+00	1.20E+01	
WG	14	L16642-03	6/16/2010	Be-7	-1.00E+00	1.40E+01	4.70E+01	
WG	14	L16642-03	6/16/2010	Ce-141	-1.20E+00	2.60E+00	8.80E+00	
WG	14	L16642-03	6/16/2010	Ce-144	-1.22E+01	8.40E+00	3.00E+01	
WG	14	L16642-03	6/16/2010	Co-57	1.00E+00	1.10E+00	3.70E+00	
WG	14	L16642-03	6/16/2010	Co-58	-2.00E-01	1.50E+00	5.20E+00	
WG	14	L16642-03	6/16/2010	Co-60	-4.00E-01	1.50E+00	5.60E+00	
WG	14	L16642-03	6/16/2010	Cr-51	5.00E+00	1.60E+01	5.40E+01	
WG	14	L16642-03	6/16/2010	Cs-134	1.30E+00	1.00E+00	5.00E+00	
WG	14	L16642-03	6/16/2010	Cs-137	-3.00E-01	1.60E+00	5.50E+00	
WG	14	L16642-03	6/16/2010	Fe-59	-2.50E+00	3.10E+00	1.20E+01	
WG	14	L16642-03	6/16/2010	Gross Beta	5.10E+00	1.10E+00	2.90E+00	*
WG	14	L16642-03	6/16/2010	H-3	3.00E+01	4.20E+02	1.30E+03	
WG	14	L16642-03	6/16/2010	I-131	-3.80E+00	3.60E+00	1.30E+01	
WG	14	L16642-03	6/16/2010	K-40	-9.00E+00	1.80E+01	6.40E+01	
WG	14	L16642-03	6/16/2010	La-140	2.70E+00	3.40E+00	1.20E+01	
WG	14	L16642-03	6/16/2010	Mn-54	-5.00E-01	1.50E+00	5.20E+00	
WG	14	L16642-03	6/16/2010	Nb-95	2.30E+00	2.60E+00	8.60E+00	
WG	14	L16642-03	6/16/2010	Ru-103	-4.00E-01	1.80E+00	6.30E+00	
WG	14	L16642-03	6/16/2010	Ru-106	7.00E+00	1.30E+01	4.50E+01	
WG	14	L16642-03	6/16/2010	Sb-124	-1.40E+00	3.00E+00	1.10E+01	
WG	14	L16642-03	6/16/2010	Sb-125	1.60E+00	3.90E+00	1.30E+01	
WG	14	L16642-03	6/16/2010	Se-75	-1.20E+00	1.90E+00	6.50E+00	
WG	14	L16642-03	6/16/2010	Zn-65	9.90E+00	5.90E+00	1.90E+01	
WG	14	L16642-03	6/16/2010	Zr-95	-2.80E+00	2.70E+00	9.90E+00	
WG	14	L16772-03	9/15/2010	AcTh-228	3.00E+00	8.30E+00	2.90E+01	
WG	14	L16772-03	9/15/2010	Ag-108m	-5.00E-01	2.00E+00	6.90E+00	
WG	14	L16772-03	9/15/2010	Ag-110m	-3.00E-01	2.70E+00	9.90E+00	
WG	14	L16772-03	9/15/2010	Ba-140	6.00E-01	3.50E+00	1.30E+01	
WG	14	L16772-03	9/15/2010	Be-7	5.00E+00	1.70E+01	5.90E+01	
WG	14	L16772-03	9/15/2010	Ce-141	4.00E-01	3.20E+00	1.10E+01	
WG	14	L16772-03	9/15/2010	Ce-144	-3.00E+00	1.10E+01	3.90E+01	
WG	14	L16772-03	9/15/2010	Co-57	6.00E-01	1.40E+00	4.90E+00	
WG	14	L16772-03	9/15/2010	Co-58	-2.30E+00	2.20E+00	8.20E+00	
WG	14	L16772-03	9/15/2010	Co-60	-6.30E+00	2.40E+00	1.00E+01	
WG	14	L16772-03	9/15/2010	Cr-51	0.00E+00	1.80E+01	6.30E+01	
WG	14	L16772-03	9/15/2010	Cs-134	-1.00E+00	1.40E+00	6.70E+00	
WG	14	L16772-03	9/15/2010	Cs-137	-1.50E+00	2.00E+00	7.60E+00	
WG	14	L16772-03	9/15/2010	Fe-59	3.30E+00	4.10E+00	1.40E+01	
WG	14	L16772-03	9/15/2010	Gross Beta	3.40E+00	1.00E+00	3.20E+00	*
WG	14	L16772-03	9/15/2010	H-3	-3.00E+01	5.60E+02	1.70E+03	
WG	14	L16772-03	9/15/2010	I-131	-2.40E+00	3.60E+00	1.30E+01	
WG	14	L16772-03	9/15/2010	K-40	-5.30E+01	2.10E+01	9.20E+01	

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	
WG	14	L16772-03	9/15/2010	La-140	6.00E-01	3.50E+00	1.30E+01	
WG	14	L16772-03	9/15/2010	Mn-54	-2.40E+00	1.90E+00	7.30E+00	
WG	14	L16772-03	9/15/2010	Nb-95	6.70E+00	3.20E+00	1.00E+01	
WG	14	L16772-03	9/15/2010	Ru-103	-3.60E+00	2.30E+00	8.70E+00	
WG	14	L16772-03	9/15/2010	Ru-106	3.60E+01	1.40E+01	4.20E+01	
WG	14	L16772-03	9/15/2010	Sb-124	9.00E-01	4.10E+00	1.60E+01	
WG	14	L16772-03	9/15/2010	Sb-125	-9.50E+00	5.40E+00	2.10E+01	
WG	14	L16772-03	9/15/2010	Se-75	1.60E+00	2.40E+00	8.30E+00	
WG	14	L16772-03	9/15/2010	Zn-65	1.24E+01	8.80E+00	2.90E+01	
WG	14	L16772-03	9/15/2010	Zr-95	1.70E+00	3.20E+00	1.10E+01	
WG	14	268133003	12/1/2010	Ac-228	1.11E-01	3.13E+00	9.07E+00	
WG	14	268133003	12/1/2010	Ag-108m	-7.95E-01	5.74E-01	1.86E+00	
WG	14	268133003	12/1/2010	Ag-110m	1.34E+00	6.02E-01	2.08E+00	
WG	14	268133003	12/1/2010	Ba-140	-6.71E+00	3.71E+00	1.11E+01	
WG	14	268133003	12/1/2010	Be-7	-6.33E+00	5.68E+00	1.84E+01	
WG	14	268133003	12/1/2010	Bi-214	1.59E+02	8.95E+00	4.49E+00	*
WG	14	268133003	12/1/2010	Ce-141	-5.55E-01	1.27E+00	4.23E+00	
WG	14	268133003	12/1/2010	Ce-144	-8.45E+00	4.62E+00	1.50E+01	
WG	14	268133003	12/1/2010	Co-57	-3.85E-02	5.92E-01	2.00E+00	
WG	14	268133003	12/1/2010	Co-58	7.19E-01	6.53E-01	2.27E+00	
WG	14	268133003	12/1/2010	Co-60	8.14E-01	6.94E-01	2.36E+00	
WG	14	268133003	12/1/2010	Cr-51	-1.91E+00	6.98E+00	2.21E+01	
WG	14	268133003	12/1/2010	Cs-134	-4.02E-01	7.62E-01	2.40E+00	
WG	14	268133003	12/1/2010	Cs-137	-3.61E-01	7.43E-01	2.07E+00	
WG	14	268133003	12/1/2010	Fe-59	1.12E+00	1.37E+00	4.64E+00	
WG	14	268133003	12/1/2010	Gross Beta	4.46E+00	1.54E+00	2.03E+00	
WG	14	268133003	12/1/2010	H-3	-5.56E+01	1.32E+02	4.43E+02	
WG	14	268133003	12/1/2010	I-131	-1.79E+00	1.23E+00	4.04E+00	
WG	14	268133003	12/1/2010	K-40	-4.28E+00	1.09E+01	2.90E+01	
WG	14	268133003	12/1/2010	La-140	1.61E+00	1.15E+00	4.06E+00	
WG	14	268133003	12/1/2010	Mn-54	-2.17E-01	6.69E-01	2.23E+00	
WG	14	268133003	12/1/2010	Nb-95	4.45E+00	9.21E-01	2.97E+00	* UI
WG	14	268133003	12/1/2010	Pb-212	3.44E+00	1.86E+00	4.06E+00	
WG	14	268133003	12/1/2010	Pb-214	1.68E+02	9.92E+00	5.08E+00	*
WG	14	268133003	12/1/2010	Ru-103	-1.95E+00	6.83E-01	2.06E+00	
WG	14	268133003	12/1/2010	Ru-106	1.08E+01	5.70E+00	1.96E+01	
WG	14	268133003	12/1/2010	Sb-124	-1.80E+00	1.59E+00	5.00E+00	
WG	14	268133003	12/1/2010	Sb-125	1.08E+00	1.85E+00	6.27E+00	
WG	14	268133003	12/1/2010	Se-75	4.74E-01	9.73E-01	3.17E+00	
WG	14	268133003	12/1/2010	Th-228	3.44E+00	1.86E+00	4.06E+00	
WG	14	268133003	12/1/2010	Zn-65	2.47E+00	1.60E+00	4.90E+00	
WG	14	268133003	12/1/2010	Zr-95	1.60E-01	1.15E+00	3.71E+00	

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	
WS	1	L16118-01	1/21/2010	AcTh-228	-1.30E+01	6.00E+00	2.40E+01	
WS	1	L16118-01	1/21/2010	Ag-108m	-5.00E-01	1.40E+00	4.90E+00	
WS	1	L16118-01	1/21/2010	Ag-110m	2.70E+00	2.40E+00	8.00E+00	
WS	1	L16118-01	1/21/2010	Ba-140	6.00E+00	3.00E+00	9.30E+00	
WS	1	L16118-01	1/21/2010	Be-7	4.00E+00	1.50E+01	5.20E+01	
WS	1	L16118-01	1/21/2010	Ce-141	0.00E+00	2.30E+00	7.90E+00	
WS	1	L16118-01	1/21/2010	Ce-144	-3.00E+00	7.90E+00	2.80E+01	
WS	1	L16118-01	1/21/2010	Co-57	-5.00E-01	1.00E+00	3.60E+00	
WS	1	L16118-01	1/21/2010	Co-58	-1.80E+00	1.60E+00	6.10E+00	
WS	1	L16118-01	1/21/2010	Co-60	-3.00E-01	1.50E+00	5.80E+00	
WS	1	L16118-01	1/21/2010	Cr-51	-3.00E+00	1.40E+01	4.80E+01	
WS	1	L16118-01	1/21/2010	Cs-134	8.00E-01	1.20E+00	5.50E+00	
WS	1	L16118-01	1/21/2010	Cs-137	7.00E-01	1.70E+00	5.80E+00	
WS	1	L16118-01	1/21/2010	Fe-59	1.70E+00	3.20E+00	1.10E+01	
WS	1	L16118-01	1/21/2010	I-131	2.00E-01	2.70E+00	9.40E+00	
WS	1	L16118-01	1/21/2010	K-40	3.32E+02	3.80E+01	8.70E+01	*
WS	1	L16118-01	1/21/2010	La-140	6.00E+00	3.00E+00	9.30E+00	
WS	1	L16118-01	1/21/2010	Mn-54	-1.10E+00	1.50E+00	5.60E+00	
WS	1	L16118-01	1/21/2010	Nb-95	4.00E-01	1.90E+00	6.60E+00	
WS	1	L16118-01	1/21/2010	Ru-103	-1.10E+00	1.80E+00	6.70E+00	
WS	1	L16118-01	1/21/2010	Ru-106	-4.00E+01	1.40E+01	5.60E+01	
WS	1	L16118-01	1/21/2010	Sb-124	4.50E+00	4.10E+00	1.40E+01	
WS	1	L16118-01	1/21/2010	Sb-125	9.00E+00	4.70E+00	1.50E+01	
WS	1	L16118-01	1/21/2010	Se-75	1.50E+00	1.90E+00	6.60E+00	
WS	1	L16118-01	1/21/2010	Zn-65	-4.80E+00	4.60E+00	1.80E+01	
WS	1	L16118-01	1/21/2010	Zr-95	-1.00E+00	2.80E+00	1.00E+01	
WS	1	L16248-01	2/23/2010	AcTh-228	-7.60E+00	4.20E+00	1.60E+01	
WS	1	L16248-01	2/23/2010	Ag-108m	-1.58E+00	9.30E-01	3.40E+00	
WS	1	L16248-01	2/23/2010	Ag-110m	1.10E+00	1.50E+00	5.20E+00	
WS	1	L16248-01	2/23/2010	Ba-140	-5.20E+00	2.10E+00	8.70E+00	
WS	1	L16248-01	2/23/2010	Be-7	8.00E-01	9.40E+00	3.30E+01	
WS	1	L16248-01	2/23/2010	Ce-141	-1.20E+00	1.60E+00	5.60E+00	
WS	1	L16248-01	2/23/2010	Ce-144	6.70E+00	5.40E+00	1.80E+01	
WS	1	L16248-01	2/23/2010	Co-57	4.40E-01	7.10E-01	2.40E+00	
WS	1	L16248-01	2/23/2010	Co-58	6.00E-01	1.10E+00	3.90E+00	
WS	1	L16248-01	2/23/2010	Co-60	-1.90E+00	1.30E+00	4.90E+00	
WS	1	L16248-01	2/23/2010	Cr-51	8.00E+00	1.00E+01	3.50E+01	
WS	1	L16248-01	2/23/2010	Cs-134	-1.80E-01	9.20E-01	4.20E+00	
WS	1	L16248-01	2/23/2010	Cs-137	2.00E-01	1.10E+00	3.70E+00	
WS	1	L16248-01	2/23/2010	Fe-59	3.50E+00	2.60E+00	8.50E+00	
WS	1	L16248-01	2/23/2010	I-131	9.00E-01	2.30E+00	8.00E+00	
WS	1	L16248-01	2/23/2010	K-40	2.89E+02	2.50E+01	5.70E+01	*
WS	1	L16248-01	2/23/2010	La-140	-5.20E+00	2.10E+00	8.70E+00	
WS	1	L16248-01	2/23/2010	Mn-54	0.00E+00	1.00E+00	3.70E+00	
WS	1	L16248-01	2/23/2010	Nb-95	1.80E+00	1.20E+00	3.90E+00	
WS	1	L16248-01	2/23/2010	Ru-103	-8.00E-01	1.20E+00	4.40E+00	
WS	1	L16248-01	2/23/2010	Ru-106	-1.32E+01	9.50E+00	3.50E+01	
WS	1	L16248-01	2/23/2010	Sb-124	-1.00E+00	2.40E+00	9.20E+00	
WS	1	L16248-01	2/23/2010	Sb-125	-7.00E-01	2.90E+00	1.00E+01	
WS	1	L16248-01	2/23/2010	Se-75	2.00E-01	1.30E+00	4.30E+00	
WS	1	L16248-01	2/23/2010	Zn-65	1.00E-01	2.50E+00	8.80E+00	

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	
WS	1	L16248-01	2/23/2010	Zr-95	3.10E+00	1.90E+00	6.30E+00	
WS	1	L16312-01	3/22/2010	AcTh-228	-4.50E+00	3.00E+00	1.10E+01	
WS	1	L16312-01	3/22/2010	Ag-108m	-4.60E-01	5.10E-01	1.80E+00	
WS	1	L16312-01	3/22/2010	Ag-110m	-3.00E-01	8.00E-01	2.80E+00	
WS	1	L16312-01	3/22/2010	Ba-140	-1.70E+00	2.40E+00	8.40E+00	
WS	1	L16312-01	3/22/2010	Be-7	-1.37E+01	6.10E+00	2.10E+01	
WS	1	L16312-01	3/22/2010	Ce-141	2.00E+00	1.50E+00	4.90E+00	
WS	1	L16312-01	3/22/2010	Ce-144	2.90E+00	3.10E+00	1.00E+01	
WS	1	L16312-01	3/22/2010	Co-57	6.70E-01	4.00E-01	1.30E+00	
WS	1	L16312-01	3/22/2010	Co-58	-4.10E-01	6.80E-01	2.40E+00	
WS	1	L16312-01	3/22/2010	Co-60	4.00E-02	6.30E-01	2.20E+00	
WS	1	L16312-01	3/22/2010	Cr-51	-1.18E+01	7.20E+00	2.50E+01	
WS	1	L16312-01	3/22/2010	Cs-134	-8.80E-01	4.30E-01	2.00E+00	
WS	1	L16312-01	3/22/2010	Cs-137	1.24E+00	5.60E-01	1.80E+00	
WS	1	L16312-01	3/22/2010	Fe-59	1.90E+00	1.60E+00	5.20E+00	
WS	1	L16393-01	3/22/2010	H-3	4.70E+02	4.30E+02	1.20E+03	
WS	1	L16312-01	3/22/2010	I-131	1.50E+00	3.60E+00	1.20E+01	
WS	1	L16312-01	3/22/2010	K-40	2.67E+02	1.40E+01	3.40E+01	*
WS	1	L16312-01	3/22/2010	La-140	-1.70E+00	2.40E+00	8.40E+00	
WS	1	L16312-01	3/22/2010	Mn-54	-4.10E-01	5.90E-01	2.10E+00	
WS	1	L16312-01	3/22/2010	Nb-95	7.70E-01	8.90E-01	3.00E+00	
WS	1	L16312-01	3/22/2010	Ru-103	-4.60E-01	8.20E-01	2.80E+00	
WS	1	L16312-01	3/22/2010	Ru-106	5.40E+00	5.30E+00	1.80E+01	
WS	1	L16312-01	3/22/2010	Sb-124	-9.00E-01	1.60E+00	5.60E+00	
WS	1	L16312-01	3/22/2010	Sb-125	2.00E+00	1.60E+00	5.40E+00	
WS	1	L16312-01	3/22/2010	Se-75	-2.70E-01	7.30E-01	2.50E+00	
WS	1	L16312-01	3/22/2010	Zn-65	-9.00E-01	1.40E+00	4.80E+00	
WS	1	L16312-01	3/22/2010	Zr-95	-8.00E-01	1.20E+00	4.20E+00	
WS	1	L16472-01	4/19/2010	AcTh-228	-1.40E+00	3.30E+00	1.10E+01	
WS	1	L16472-01	4/19/2010	Ag-108m	1.01E+00	5.40E-01	1.80E+00	
WS	1	L16472-01	4/19/2010	Ag-110m	5.00E-01	1.00E+00	3.40E+00	
WS	1	L16472-01	4/19/2010	Ba-140	-1.10E+00	2.40E+00	8.40E+00	
WS	1	L16472-01	4/19/2010	Be-7	2.90E+00	6.40E+00	2.20E+01	
WS	1	L16472-01	4/19/2010	Ce-141	5.00E-01	1.50E+00	4.90E+00	
WS	1	L16472-01	4/19/2010	Ce-144	-7.10E+00	3.30E+00	1.10E+01	
WS	1	L16472-01	4/19/2010	Co-57	-2.80E-01	4.40E-01	1.50E+00	
WS	1	L16472-01	4/19/2010	Co-58	7.00E-01	6.90E-01	2.30E+00	
WS	1	L16472-01	4/19/2010	Co-60	7.40E-01	6.10E-01	2.00E+00	
WS	1	L16472-01	4/19/2010	Cr-51	-5.10E+00	7.70E+00	2.60E+01	
WS	1	L16472-01	4/19/2010	Cs-134	2.80E-01	5.10E-01	2.10E+00	
WS	1	L16472-01	4/19/2010	Cs-137	1.50E-01	6.70E-01	2.30E+00	
WS	1	L16472-01	4/19/2010	Fe-59	-1.60E+00	1.50E+00	5.40E+00	
WS	1	L16472-01	4/19/2010	I-131	-4.00E+00	4.10E+00	1.40E+01	
WS	1	L16472-01	4/19/2010	K-40	2.70E+02	1.40E+01	3.50E+01	*
WS	1	L16472-01	4/19/2010	La-140	-1.10E+00	2.40E+00	8.40E+00	
WS	1	L16472-01	4/19/2010	Mn-54	5.20E-01	6.20E-01	2.10E+00	
WS	1	L16472-01	4/19/2010	Nb-95	1.70E+00	1.20E+00	4.10E+00	
WS	1	L16472-01	4/19/2010	Ru-103	-2.25E+00	8.70E-01	3.10E+00	
WS	1	L16472-01	4/19/2010	Ru-106	3.00E-01	5.30E+00	1.80E+01	
WS	1	L16472-01	4/19/2010	Sb-124	-1.20E+00	1.70E+00	6.00E+00	
WS	1	L16472-01	4/19/2010	Sb-125	3.10E+00	1.70E+00	5.40E+00	
WS	1	L16472-01	4/19/2010	Se-75	-5.10E-01	7.80E-01	2.60E+00	

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	
WS	1	L16472-01	4/19/2010	Zn-65	-1.00E+00	2.00E+00	6.90E+00	
WS	1	L16472-01	4/19/2010	Zr-95	1.10E+00	1.20E+00	4.00E+00	
WS	1	L16556-01	5/18/2010	AcTh-228	-1.10E+00	3.10E+00	1.10E+01	
WS	1	L16556-01	5/18/2010	Ag-108m	-3.00E-01	5.40E-01	1.90E+00	
WS	1	L16556-01	5/18/2010	Ag-110m	5.20E-01	9.10E-01	3.10E+00	
WS	1	L16556-01	5/18/2010	Ba-140	-3.70E+00	2.20E+00	8.00E+00	
WS	1	L16556-01	5/18/2010	Be-7	-3.40E+00	6.40E+00	2.20E+01	
WS	1	L16556-01	5/18/2010	Ce-141	-3.00E-01	1.10E+00	3.80E+00	
WS	1	L16556-01	5/18/2010	Ce-144	-2.60E+00	3.30E+00	1.10E+01	
WS	1	L16556-01	5/18/2010	Co-57	8.00E-02	5.40E-01	1.80E+00	
WS	1	L16556-01	5/18/2010	Co-58	5.10E-01	8.60E-01	2.90E+00	
WS	1	L16556-01	5/18/2010	Co-60	0.00E+00	6.90E-01	2.40E+00	
WS	1	L16556-01	5/18/2010	Cr-51	-5.40E+00	7.30E+00	2.50E+01	
WS	1	L16556-01	5/18/2010	Cs-134	4.50E-01	5.60E-01	2.30E+00	
WS	1	L16556-01	5/18/2010	Cs-137	1.70E-01	6.20E-01	2.10E+00	
WS	1	L16556-01	5/18/2010	Fe-59	-1.30E+00	1.70E+00	5.90E+00	
WS	1	L16556-01	5/18/2010	I-131	-2.30E+00	3.10E+00	1.10E+01	
WS	1	L16556-01	5/18/2010	K-40	3.05E+02	1.60E+01	3.60E+01	*
WS	1	L16556-01	5/18/2010	La-140	-3.70E+00	2.20E+00	8.00E+00	
WS	1	L16556-01	5/18/2010	Mn-54	9.80E-01	6.50E-01	2.10E+00	
WS	1	L16556-01	5/18/2010	Nb-95	-1.00E+00	1.00E+00	3.50E+00	
WS	1	L16556-01	5/18/2010	Ru-103	-2.78E+00	8.80E-01	3.20E+00	
WS	1	L16556-01	5/18/2010	Ru-106	-8.50E+00	5.50E+00	1.90E+01	
WS	1	L16556-01	5/18/2010	Sb-124	-1.80E+00	1.60E+00	6.00E+00	
WS	1	L16556-01	5/18/2010	Sb-125	7.00E-01	1.60E+00	5.50E+00	
WS	1	L16556-01	5/18/2010	Se-75	-1.70E-01	7.80E-01	2.60E+00	
WS	1	L16556-01	5/18/2010	Zn-65	-5.00E-01	2.20E+00	7.60E+00	
WS	1	L16556-01	5/18/2010	Zr-95	-1.60E+00	1.30E+00	4.50E+00	
WS	1	L16667-01	6/21/2010	AcTh-228	3.00E-01	4.90E+00	1.70E+01	
WS	1	L16667-01	6/21/2010	Ag-108m	1.30E+00	6.90E-01	2.30E+00	
WS	1	L16667-01	6/21/2010	Ag-110m	1.00E+00	1.30E+00	4.30E+00	
WS	1	L16667-01	6/21/2010	Ba-140	1.50E+00	3.10E+00	1.10E+01	
WS	1	L16667-01	6/21/2010	Be-7	3.80E+00	7.40E+00	2.50E+01	
WS	1	L16667-01	6/21/2010	Ce-141	5.00E-01	1.30E+00	4.50E+00	
WS	1	L16667-01	6/21/2010	Ce-144	1.70E+00	4.30E+00	1.40E+01	
WS	1	L16667-01	6/21/2010	Co-57	1.20E-01	4.60E-01	1.50E+00	
WS	1	L16667-01	6/21/2010	Co-58	3.40E-01	9.90E-01	3.40E+00	
WS	1	L16667-01	6/21/2010	Co-60	4.00E-01	1.10E+00	3.70E+00	
WS	1	L16667-01	6/21/2010	Cr-51	-6.60E+00	8.10E+00	2.80E+01	
WS	1	L16667-01	6/21/2010	Cs-134	4.60E-01	6.60E-01	3.10E+00	
WS	1	L16667-01	6/21/2010	Cs-137	-7.80E-01	9.20E-01	3.30E+00	
WS	1	L16667-01	6/21/2010	Fe-59	1.50E+00	2.30E+00	7.90E+00	
WS	1	L16707-01	6/21/2010	H-3	-6.60E+02	3.90E+02	1.30E+03	
WS	1	L16667-01	6/21/2010	I-131	-6.00E-01	2.70E+00	9.20E+00	
WS	1	L16667-01	6/21/2010	K-40	3.02E+02	2.30E+01	5.50E+01	*
WS	1	L16667-01	6/21/2010	La-140	1.50E+00	3.10E+00	1.10E+01	
WS	1	L16667-01	6/21/2010	Mn-54	-4.20E-01	9.20E-01	3.20E+00	
WS	1	L16667-01	6/21/2010	Nb-95	1.00E+00	1.00E+00	3.40E+00	
WS	1	L16667-01	6/21/2010	Ru-103	-1.54E+00	9.70E-01	3.50E+00	
WS	1	L16667-01	6/21/2010	Ru-106	-1.30E+01	8.40E+00	3.00E+01	
WS	1	L16667-01	6/21/2010	Sb-124	6.00E-01	2.60E+00	9.30E+00	
WS	1	L16667-01	6/21/2010	Sb-125	1.70E+00	2.50E+00	8.20E+00	

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	
WS	1	L16667-01	6/21/2010	Se-75	3.10E-01	8.90E-01	3.00E+00	
WS	1	L16667-01	6/21/2010	Zn-65	-1.00E-01	2.40E+00	8.30E+00	
WS	1	L16667-01	6/21/2010	Zr-95	1.20E+00	1.60E+00	5.50E+00	
WS	1	L16722-01	7/19/2010	AcTh-228	2.50E+00	6.60E+00	2.30E+01	
WS	1	L16722-01	7/19/2010	Ag-108m	1.70E+00	1.10E+00	3.50E+00	
WS	1	L16722-01	7/19/2010	Ag-110m	6.00E-01	2.00E+00	7.00E+00	
WS	1	L16722-01	7/19/2010	Ba-140	-6.80E+00	3.20E+00	1.30E+01	
WS	1	L16722-01	7/19/2010	Be-7	-3.00E+00	1.10E+01	4.00E+01	
WS	1	L16722-01	7/19/2010	Ce-141	4.00E-01	3.00E+00	1.00E+01	
WS	1	L16722-01	7/19/2010	Ce-144	2.10E+00	6.50E+00	2.20E+01	
WS	1	L16722-01	7/19/2010	Co-57	4.80E-01	6.80E-01	2.30E+00	
WS	1	L16722-01	7/19/2010	Co-58	-2.00E+00	1.30E+00	5.10E+00	
WS	1	L16722-01	7/19/2010	Co-60	-1.30E+00	1.40E+00	5.40E+00	
WS	1	L16722-01	7/19/2010	Cr-51	1.00E+00	1.10E+01	3.80E+01	
WS	1	L16722-01	7/19/2010	Cs-134	-3.00E-01	1.20E+00	5.30E+00	
WS	1	L16722-01	7/19/2010	Cs-137	1.30E+00	1.30E+00	4.60E+00	
WS	1	L16722-01	7/19/2010	Fe-59	-3.20E+00	3.30E+00	1.20E+01	
WS	1	L16722-01	7/19/2010	I-131	-1.40E+00	2.40E+00	8.50E+00	
WS	1	L16722-01	7/19/2010	K-40	3.43E+02	3.70E+01	8.70E+01	*
WS	1	L16722-01	7/19/2010	La-140	-6.80E+00	3.20E+00	1.30E+01	
WS	1	L16722-01	7/19/2010	Mn-54	-1.10E+00	1.60E+00	5.80E+00	
WS	1	L16722-01	7/19/2010	Nb-95	1.40E+00	1.50E+00	5.00E+00	
WS	1	L16722-01	7/19/2010	Ru-103	-1.50E+00	1.40E+00	5.20E+00	
WS	1	L16722-01	7/19/2010	Ru-106	-9.00E+00	1.30E+01	4.80E+01	
WS	1	L16722-01	7/19/2010	Sb-124	4.50E+00	3.80E+00	1.30E+01	
WS	1	L16722-01	7/19/2010	Sb-125	4.00E+00	3.80E+00	1.30E+01	
WS	1	L16722-01	7/19/2010	Se-75	-2.10E+00	1.30E+00	4.90E+00	
WS	1	L16722-01	7/19/2010	Zn-65	-5.40E+00	3.40E+00	1.30E+01	
WS	1	L16722-01	7/19/2010	Zr-95	3.10E+00	2.30E+00	7.60E+00	
WS	1	L16765-01	8/30/2010	AcTh-228	-4.90E+00	6.60E+00	2.40E+01	
WS	1	L16765-01	8/30/2010	Ag-108m	4.00E-01	1.20E+00	4.20E+00	
WS	1	L16765-01	8/30/2010	Ag-110m	0.00E+00	2.30E+00	8.40E+00	
WS	1	L16765-01	8/30/2010	Ba-140	4.60E+00	4.40E+00	1.50E+01	
WS	1	L16765-01	8/30/2010	Be-7	8.00E+00	1.20E+01	4.10E+01	
WS	1	L16765-01	8/30/2010	Ce-141	-2.30E+00	2.30E+00	7.90E+00	
WS	1	L16765-01	8/30/2010	Ce-144	8.20E+00	7.40E+00	2.50E+01	
WS	1	L16765-01	8/30/2010	Co-57	-9.10E-01	7.60E-01	2.70E+00	
WS	1	L16765-01	8/30/2010	Co-58	-1.50E+00	1.60E+00	5.90E+00	
WS	1	L16765-01	8/30/2010	Co-60	0.00E+00	1.60E+00	5.80E+00	
WS	1	L16765-01	8/30/2010	Cr-51	-1.50E+01	1.20E+01	4.60E+01	
WS	1	L16765-01	8/30/2010	Cs-134	1.00E-01	1.30E+00	5.70E+00	
WS	1	L16765-01	8/30/2010	Cs-137	-2.20E+00	1.70E+00	6.30E+00	
WS	1	L16765-01	8/30/2010	Fe-59	-1.20E+00	4.40E+00	1.60E+01	
WS	1	L16765-01	8/30/2010	I-131	-4.80E+00	3.80E+00	1.40E+01	
WS	1	L16765-01	8/30/2010	K-40	2.88E+02	3.70E+01	8.90E+01	*
WS	1	L16765-01	8/30/2010	La-140	4.60E+00	4.40E+00	1.50E+01	
WS	1	L16765-01	8/30/2010	Mn-54	-8.00E-01	1.50E+00	5.40E+00	
WS	1	L16765-01	8/30/2010	Nb-95	-5.20E+00	1.70E+00	7.20E+00	
WS	1	L16765-01	8/30/2010	Ru-103	-2.00E+00	1.60E+00	6.00E+00	
WS	1	L16765-01	8/30/2010	Ru-106	-1.00E+00	1.50E+01	5.30E+01	
WS	1	L16765-01	8/30/2010	Sb-124	-4.40E+00	4.00E+00	1.70E+01	
WS	1	L16765-01	8/30/2010	Sb-125	-3.30E+00	3.90E+00	1.40E+01	

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

Seabrook Nuclear Power Station Radiological Environmental Monitoring Program -2010

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	
WS	1	L16765-01	8/30/2010	Se-75	-9.00E-01	1.60E+00	5.60E+00	
WS	1	L16765-01	8/30/2010	Zn-65	-5.40E+00	4.10E+00	1.60E+01	
WS	1	L16765-01	8/30/2010	Zr-95	-3.90E+00	2.80E+00	1.10E+01	
WS	1	L16777-01	9/22/2010	AcTh-228	-9.40E+00	7.20E+00	2.70E+01	
WS	1	L16777-01	9/22/2010	Ag-108m	-6.00E-01	1.20E+00	4.50E+00	
WS	1	L16777-01	9/22/2010	Ag-110m	3.00E-01	2.30E+00	8.20E+00	
WS	1	L16777-01	9/22/2010	Ba-140	-2.60E+00	3.00E+00	1.20E+01	
WS	1	L16777-01	9/22/2010	Be-7	-1.00E+01	1.20E+01	4.60E+01	
WS	1	L16777-01	9/22/2010	Ce-141	1.80E+00	1.80E+00	6.20E+00	
WS	1	L16777-01	9/22/2010	Ce-144	1.20E+01	7.60E+00	2.50E+01	
WS	1	L16777-01	9/22/2010	Co-57	6.10E-01	8.00E-01	2.70E+00	
WS	1	L16777-01	9/22/2010	Co-58	-2.00E+00	1.50E+00	6.00E+00	
WS	1	L16777-01	9/22/2010	Co-60	-9.00E-01	2.10E+00	7.90E+00	
WS	1	L16777-01	9/22/2010	Cr-51	-7.00E+00	1.30E+01	4.50E+01	
WS	1	L16777-01	9/22/2010	Cs-134	-3.00E-01	1.30E+00	6.10E+00	
WS	1	L16777-01	9/22/2010	Cs-137	-1.90E+00	1.60E+00	6.00E+00	
WS	1	L16777-01	9/22/2010	Fe-59	1.00E-01	4.40E+00	1.60E+01	
WS	1	L16778-01	9/22/2010	H-3	-4.80E+02	5.50E+02	1.70E+03	
WS	1	L16777-01	9/22/2010	I-131	-4.70E+00	2.60E+00	1.00E+01	
WS	1	L16777-01	9/22/2010	K-40	3.00E+02	4.10E+01	9.90E+01	*
WS	1	L16777-01	9/22/2010	La-140	-2.60E+00	3.00E+00	1.20E+01	
WS	1	L16777-01	9/22/2010	Mn-54	1.40E+00	1.80E+00	6.20E+00	
WS	1	L16777-01	9/22/2010	Nb-95	2.30E+00	1.70E+00	5.60E+00	
WS	1	L16777-01	9/22/2010	Ru-103	-3.00E-01	1.60E+00	5.70E+00	
WS	1	L16777-01	9/22/2010	Ru-106	-6.00E+00	1.70E+01	6.20E+01	
WS	1	L16777-01	9/22/2010	Sb-124	6.80E+00	4.60E+00	1.50E+01	
WS	1	L16777-01	9/22/2010	Sb-125	-2.20E+00	3.90E+00	1.40E+01	
WS	1	L16777-01	9/22/2010	Se-75	8.00E-01	1.80E+00	6.20E+00	
WS	1	L16777-01	9/22/2010	Zn-65	-7.40E+00	4.20E+00	1.70E+01	
WS	1	L16777-01	9/22/2010	Zr-95	3.80E+00	3.00E+00	1.00E+01	
WS	1	266967001	10/19/2010	Ac-228	4.68E+00	2.82E+00	9.93E+00	
WS	1	266967001	10/19/2010	Ag-108m	5.64E-03	6.54E-01	2.09E+00	
WS	1	266967001	10/19/2010	Ag-110m	-7.92E-01	7.00E-01	2.21E+00	
WS	1	266967001	10/19/2010	Ba-140	6.96E+00	3.88E+00	1.40E+01	
WS	1	266967001	10/19/2010	Be-7	6.36E+00	7.90E+00	2.71E+01	
WS	1	266967001	10/19/2010	Bi-214	-1.38E+00	2.35E+00	5.83E+00	
WS	1	266967001	10/19/2010	Ce-141	8.10E+00	2.22E+00	7.39E+00	* UI
WS	1	266967001	10/19/2010	Ce-144	5.43E+00	5.19E+00	1.68E+01	
WS	1	266967001	10/19/2010	Co-57	-4.75E-01	6.84E-01	2.16E+00	
WS	1	266967001	10/19/2010	Co-58	-2.60E-01	8.19E-01	2.62E+00	
WS	1	266967001	10/19/2010	Co-60	1.11E+00	7.80E-01	2.71E+00	
WS	1	266967001	10/19/2010	Cr-51	1.61E+01	1.18E+01	3.96E+01	
WS	1	266967001	10/19/2010	Cs-134	1.09E-03	8.70E-01	2.82E+00	
WS	1	266967001	10/19/2010	Cs-137	2.49E-01	7.22E-01	2.40E+00	
WS	1	266967001	10/19/2010	Fe-59	-4.10E-01	2.15E+00	7.07E+00	
WS	1	266967001	10/19/2010	I-131	-3.96E+00	9.34E+00	2.99E+01	+
WS	1	266967001	10/19/2010	K-40	3.63E+02	2.79E+01	1.92E+01	*
WS	1	266967001	10/19/2010	La-140	6.96E+00	3.87E+00	1.40E+01	
WS	1	266967001	10/19/2010	Mn-54	7.32E-01	7.12E-01	2.39E+00	
WS	1	266967001	10/19/2010	Nb-95	-2.13E-01	9.61E-01	3.10E+00	
WS	1	266967001	10/19/2010	Pb-212	1.01E+00	2.52E+00	7.11E+00	
WS	1	266967001	10/19/2010	Pb-214	-6.51E-01	2.52E+00	5.80E+00	

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	
WS	1	266967001	10/19/2010	Ru-103	-3.80E+00	1.17E+00	3.50E+00	
WS	1	266967001	10/19/2010	Ru-106	1.66E+01	6.62E+00	2.34E+01	
WS	1	266967001	10/19/2010	Sb-124	1.02E+00	2.33E+00	7.89E+00	
WS	1	266967001	10/19/2010	Sb-125	-2.57E+00	2.02E+00	6.22E+00	
WS	1	266967001	10/19/2010	Se-75	-4.85E-01	1.05E+00	3.44E+00	
WS	1	266967001	10/19/2010	Th-228	1.01E+00	2.52E+00	7.11E+00	
WS	1	266967001	10/19/2010	Zn-65	-1.76E+00	1.71E+00	5.42E+00	
WS	1	266967001	10/19/2010	Zr-95	1.80E+00	1.56E+00	5.27E+00	
WS	1	267465001	11/16/2010	Ac-228	-1.85E+00	3.44E+00	8.85E+00	
WS	1	267465001	11/16/2010	Ag-108m	-2.68E-02	5.51E-01	1.78E+00	
WS	1	267465001	11/16/2010	Ag-110m	4.83E-01	5.49E-01	1.87E+00	
WS	1	267465001	11/16/2010	Ba-140	-4.10E+00	3.10E+00	9.80E+00	
WS	1	267465001	11/16/2010	Be-7	-3.31E+00	5.31E+00	1.67E+01	
WS	1	267465001	11/16/2010	Bi-214	7.53E-01	2.77E+00	4.26E+00	
WS	1	267465001	11/16/2010	Ce-141	1.70E+00	1.07E+00	3.53E+00	
WS	1	267465001	11/16/2010	Ce-144	1.72E+00	3.84E+00	1.25E+01	
WS	1	267465001	11/16/2010	Co-57	-3.32E-01	5.06E-01	1.62E+00	
WS	1	267465001	11/16/2010	Co-58	-5.99E-01	6.40E-01	2.02E+00	
WS	1	267465001	11/16/2010	Co-60	3.65E-01	6.71E-01	2.26E+00	
WS	1	267465001	11/16/2010	Cr-51	2.41E+00	5.94E+00	1.98E+01	
WS	1	267465001	11/16/2010	Cs-134	1.12E-01	7.60E-01	2.50E+00	
WS	1	267465001	11/16/2010	Cs-137	1.42E-01	5.88E-01	1.97E+00	
WS	1	267465001	11/16/2010	Fe-59	-1.13E+00	1.34E+00	4.34E+00	
WS	1	267465001	11/16/2010	I-131	9.92E-01	1.15E+00	3.82E+00	
WS	1	267465001	11/16/2010	K-40	3.40E+02	2.58E+01	1.70E+01	*
WS	1	267465001	11/16/2010	La-140	-4.03E-01	1.09E+00	3.46E+00	
WS	1	267465001	11/16/2010	Mn-54	8.59E-01	5.85E-01	2.01E+00	
WS	1	267465001	11/16/2010	Nb-95	1.66E-02	6.34E-01	2.09E+00	
WS	1	267465001	11/16/2010	Pb-212	2.99E+00	2.45E+00	3.70E+00	
WS	1	267465001	11/16/2010	Pb-214	-2.21E+00	2.21E+00	5.04E+00	
WS	1	267465001	11/16/2010	Ru-103	-1.24E+00	6.78E-01	2.03E+00	
WS	1	267465001	11/16/2010	Ru-106	-1.27E+00	5.44E+00	1.80E+01	
WS	1	267465001	11/16/2010	Sb-124	-1.33E+00	1.47E+00	4.69E+00	
WS	1	267465001	11/16/2010	Sb-125	3.10E+00	1.68E+00	5.69E+00	
WS	1	267465001	11/16/2010	Se-75	-9.68E-02	7.89E-01	2.63E+00	
WS	1	267465001	11/16/2010	Th-228	2.99E+00	2.45E+00	3.70E+00	
WS	1	267465001	11/16/2010	Zn-65	3.59E-02	1.53E+00	4.42E+00	
WS	1	267465001	11/16/2010	Zr-95	-5.00E-01	1.12E+00	3.63E+00	
WS	1	269542001	12/20/2010	Ac-228	-2.32E+00	3.84E+00	8.28E+00	
WS	1	269542001	12/20/2010	Ag-108m	-1.17E-01	5.11E-01	1.66E+00	
WS	1	269542001	12/20/2010	Ag-110m	1.54E-01	5.21E-01	1.77E+00	
WS	1	269542001	12/20/2010	Ba-140	1.06E+00	1.68E+00	5.73E+00	
WS	1	269542001	12/20/2010	Be-7	4.92E+00	5.86E+00	1.94E+01	
WS	1	269542001	12/20/2010	Bi-214	2.02E+00	2.14E+00	4.83E+00	
WS	1	269542001	12/20/2010	Ce-141	1.50E+00	1.50E+00	4.36E+00	
WS	1	269542001	12/20/2010	Ce-144	-3.32E+00	3.99E+00	1.26E+01	
WS	1	269542001	12/20/2010	Co-57	3.45E-01	5.22E-01	1.70E+00	
WS	1	269542001	12/20/2010	Co-58	-5.34E-01	6.20E-01	2.00E+00	
WS	1	269542001	12/20/2010	Co-60	5.89E-02	5.62E-01	1.89E+00	
WS	1	269542001	12/20/2010	Cr-51	-1.91E+00	6.98E+00	2.30E+01	
WS	1	269542001	12/20/2010	Cs-134	-5.59E-01	6.51E-01	2.10E+00	
WS	1	269542001	12/20/2010	Cs-137	-2.10E-01	5.71E-01	1.90E+00	

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	
WS	1	269542001	12/20/2010	Fe-59	-2.60E+00	1.52E+00	4.59E+00	
WS	1	269542001	12/20/2010	I-131	1.63E+00	2.76E+00	9.21E+00	
WS	1	269542001	12/20/2010	K-40	3.28E+02	2.28E+01	2.10E+01	*
WS	1	269542001	12/20/2010	La-140	1.06E+00	1.68E+00	5.73E+00	
WS	1	269542001	12/20/2010	Mn-54	-1.81E-01	6.04E-01	1.98E+00	
WS	1	269542001	12/20/2010	Nb-95	9.32E-01	6.57E-01	2.28E+00	
WS	1	269542001	12/20/2010	Pb-212	2.36E+00	1.79E+00	3.86E+00	
WS	1	269542001	12/20/2010	Pb-214	-1.24E+00	1.84E+00	4.52E+00	
WS	1	269542001	12/20/2010	Ru-103	-6.03E-01	7.35E-01	2.32E+00	
WS	1	269542001	12/20/2010	Ru-106	5.05E+00	4.95E+00	1.71E+01	
WS	1	269542001	12/20/2010	Sb-124	1.24E+00	1.41E+00	4.86E+00	
WS	1	269542001	12/20/2010	Sb-125	-2.74E-01	1.60E+00	5.19E+00	
WS	1	269542001	12/20/2010	Se-75	7.61E-01	8.00E-01	2.72E+00	
WS	1	269542001	12/20/2010	Th-228	2.36E+00	1.79E+00	3.86E+00	
WS	1	269542001	12/20/2010	Zn-65	-1.35E+00	1.31E+00	4.08E+00	
WS	1	269542001	12/20/2010	Zr-95	1.49E+00	1.19E+00	4.09E+00	
WS	1	270581001	12/31/2010	H-3	3.11E+02	1.78E+02	5.34E+02	
WS	2	L16556-04	5/19/2010	AcTh-228	-1.50E+00	3.80E+00	1.30E+01	
WS	2	L16556-04	5/19/2010	Ag-108m	-7.40E-01	6.80E-01	2.40E+00	
WS	2	L16556-04	5/19/2010	Ag-110m	-2.00E-01	1.10E+00	3.90E+00	
WS	2	L16556-04	5/19/2010	Ba-140	-3.70E+00	2.50E+00	9.20E+00	
WS	2	L16556-04	5/19/2010	Be-7	1.39E+01	8.10E+00	2.70E+01	
WS	2	L16556-04	5/19/2010	Ce-141	-1.70E+00	1.60E+00	5.50E+00	
WS	2	L16556-04	5/19/2010	Ce-144	-1.40E+00	4.50E+00	1.50E+01	
WS	2	L16556-04	5/19/2010	Co-57	3.50E-01	6.10E-01	2.00E+00	
WS	2	L16556-04	5/19/2010	Co-58	-1.20E+00	8.00E-01	2.90E+00	
WS	2	L16556-04	5/19/2010	Co-60	-5.10E-01	7.60E-01	2.70E+00	
WS	2	L16556-04	5/19/2010	Cr-51	8.60E+00	9.40E+00	3.10E+01	
WS	2	L16556-04	5/19/2010	Cs-134	2.90E-01	6.80E-01	2.70E+00	
WS	2	L16556-04	5/19/2010	Cs-137	-9.30E-01	7.80E-01	2.70E+00	
WS	2	L16556-04	5/19/2010	Fe-59	1.50E+00	1.80E+00	8.80E+00	
WS	2	L16556-04	5/19/2010	I-131	-3.30E+00	4.00E+00	1.40E+01	
WS	2	L16556-04	5/19/2010	K-40	1.01E+02	1.40E+01	4.10E+01	*
WS	2	L16556-04	5/19/2010	La-140	-3.70E+00	2.50E+00	9.20E+00	
WS	2	L16556-04	5/19/2010	Mn-54	-1.47E+00	8.00E-01	2.90E+00	
WS	2	L16556-04	5/19/2010	Nb-95	-1.50E+00	1.20E+00	4.10E+00	
WS	2	L16556-04	5/19/2010	Ru-103	-1.20E+00	1.10E+00	3.90E+00	
WS	2	L16556-04	5/19/2010	Ru-106	1.00E-01	7.20E+00	2.50E+01	
WS	2	L16556-04	5/19/2010	Sb-124	-3.40E+00	2.00E+00	7.40E+00	
WS	2	L16556-04	5/19/2010	Sb-125	-1.00E-01	2.00E+00	7.00E+00	
WS	2	L16556-04	5/19/2010	Se-75	5.00E-01	1.10E+00	3.60E+00	
WS	2	L16556-04	5/19/2010	Zn-65	-2.40E+00	1.60E+00	5.80E+00	
WS	2	L16556-04	5/19/2010	Zr-95	2.80E+00	1.50E+00	4.80E+00	
WS	2	267467001	11/17/2010	Ac-228	-6.76E+00	3.59E+00	7.40E+00	
WS	2	267467001	11/17/2010	Ag-108m	-1.36E-01	4.68E-01	1.56E+00	
WS	2	267467001	11/17/2010	Ag-110m	-1.46E+00	5.12E-01	1.47E+00	
WS	2	267467001	11/17/2010	Ba-140	1.32E+00	2.64E+00	8.84E+00	
WS	2	267467001	11/17/2010	Be-7	-2.76E+00	4.66E+00	1.53E+01	
WS	2	267467001	11/17/2010	Bi-214	4.44E+00	3.09E+00	5.31E+00	
WS	2	267467001	11/17/2010	Ce-141	-4.12E-01	9.10E-01	3.03E+00	
WS	2	267467001	11/17/2010	Ce-144	-5.29E+00	3.39E+00	1.10E+01	
WS	2	267467001	11/17/2010	Co-57	1.67E-01	4.47E-01	1.52E+00	

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	
WS	2	267467001	11/17/2010	Co-58	-3.09E-01	5.32E-01	1.76E+00	
WS	2	267467001	11/17/2010	Co-60	8.33E-01	6.05E-01	2.09E+00	
WS	2	267467001	11/17/2010	Cr-51	3.74E+00	4.99E+00	1.62E+01	
WS	2	267467001	11/17/2010	Cs-134	4.86E-01	6.98E-01	2.29E+00	
WS	2	267467001	11/17/2010	Cs-137	4.98E-01	5.39E-01	1.81E+00	
WS	2	267467001	11/17/2010	Fe-59	-2.15E+00	1.15E+00	3.46E+00	
WS	2	267467001	11/17/2010	H-3	1.08E+02	1.09E+02	3.44E+02	
WS	2	267467001	11/17/2010	I-131	-2.34E-01	9.17E-01	3.10E+00	
WS	2	267467001	11/17/2010	K-40	1.79E+02	1.82E+01	2.09E+01	*
WS	2	267467001	11/17/2010	La-140	-1.58E+00	9.27E-01	2.81E+00	
WS	2	267467001	11/17/2010	Mn-54	-6.78E-02	5.40E-01	1.81E+00	
WS	2	267467001	11/17/2010	Nb-95	-8.92E-02	5.64E-01	1.80E+00	
WS	2	267467001	11/17/2010	Pb-212	1.86E+00	1.86E+00	3.87E+00	
WS	2	267467001	11/17/2010	Pb-214	-3.29E+00	1.81E+00	4.32E+00	
WS	2	267467001	11/17/2010	Ru-103	-1.08E+00	5.60E-01	1.74E+00	
WS	2	267467001	11/17/2010	Ru-106	3.26E+00	4.97E+00	1.66E+01	
WS	2	267467001	11/17/2010	Sb-124	-9.06E-01	1.42E+00	4.56E+00	
WS	2	267467001	11/17/2010	Sb-125	-4.77E-01	1.37E+00	4.55E+00	
WS	2	267467001	11/17/2010	Se-75	-5.38E-01	7.26E-01	2.30E+00	
WS	2	267467001	11/17/2010	Th-228	1.86E+00	1.86E+00	3.87E+00	
WS	2	267467001	11/17/2010	Zn-65	-3.10E+00	1.30E+00	3.82E+00	
WS	2	267467001	11/17/2010	Zr-95	8.07E-01	9.74E-01	3.23E+00	
WS	51	L16118-02	1/19/2010	AcTh-228	-9.00E+00	6.00E+00	2.30E+01	
WS	51	L16118-02	1/19/2010	Ag-108m	-1.80E+00	1.40E+00	5.10E+00	
WS	51	L16118-02	1/19/2010	Ag-110m	-5.00E-01	2.30E+00	8.50E+00	
WS	51	L16118-02	1/19/2010	Ba-140	8.00E-01	3.40E+00	1.20E+01	
WS	51	L16118-02	1/19/2010	Be-7	1.80E+01	1.60E+01	5.30E+01	
WS	51	L16118-02	1/19/2010	Ce-141	2.30E+00	1.90E+00	6.20E+00	
WS	51	L16118-02	1/19/2010	Ce-144	-2.47E+01	8.80E+00	3.30E+01	
WS	51	L16118-02	1/19/2010	Co-57	1.10E+00	1.20E+00	4.00E+00	
WS	51	L16118-02	1/19/2010	Co-58	9.00E-01	1.70E+00	6.00E+00	
WS	51	L16118-02	1/19/2010	Co-60	5.00E-01	1.70E+00	6.30E+00	
WS	51	L16118-02	1/19/2010	Cr-51	-2.00E+00	1.50E+01	5.30E+01	
WS	51	L16118-02	1/19/2010	Cs-134	0.00E+00	1.10E+00	5.60E+00	
WS	51	L16118-02	1/19/2010	Cs-137	-7.00E-01	1.60E+00	5.80E+00	
WS	51	L16118-02	1/19/2010	Fe-59	-9.90E+00	3.80E+00	1.50E+01	
WS	51	L16118-02	1/19/2010	I-131	-9.00E-01	2.80E+00	1.00E+01	
WS	51	L16118-02	1/19/2010	K-40	2.70E+02	3.60E+01	8.70E+01	*
WS	51	L16118-02	1/19/2010	La-140	8.00E-01	3.40E+00	1.20E+01	
WS	51	L16118-02	1/19/2010	Mn-54	1.20E+00	1.70E+00	5.70E+00	
WS	51	L16118-02	1/19/2010	Nb-95	6.00E-01	3.00E+00	1.00E+01	
WS	51	L16118-02	1/19/2010	Ru-103	-1.50E+00	1.70E+00	6.20E+00	
WS	51	L16118-02	1/19/2010	Ru-106	-8.00E+00	1.50E+01	5.30E+01	
WS	51	L16118-02	1/19/2010	Sb-124	1.60E+00	3.80E+00	1.40E+01	
WS	51	L16118-02	1/19/2010	Sb-125	2.50E+00	4.40E+00	1.50E+01	
WS	51	L16118-02	1/19/2010	Se-75	3.10E+00	2.00E+00	6.50E+00	
WS	51	L16118-02	1/19/2010	Zn-65	-4.90E+00	8.40E+00	2.90E+01	
WS	51	L16118-02	1/19/2010	Zr-95	2.50E+00	3.00E+00	1.00E+01	
WS	51	L16248-02	2/22/2010	AcTh-228	2.70E+00	5.70E+00	1.90E+01	
WS	51	L16248-02	2/22/2010	Ag-108m	-2.00E-01	1.10E+00	3.70E+00	
WS	51	L16248-02	2/22/2010	Ag-110m	-6.00E-01	1.60E+00	5.80E+00	
WS	51	L16248-02	2/22/2010	Ba-140	-3.50E+00	2.50E+00	9.60E+00	

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	
WS	51	L16248-02	2/22/2010	Be-7	-1.20E+01	1.10E+01	4.00E+01	
WS	51	L16248-02	2/22/2010	Ce-141	-5.50E+00	3.10E+00	1.10E+01	
WS	51	L16248-02	2/22/2010	Ce-144	-4.20E+00	6.60E+00	2.30E+01	
WS	51	L16248-02	2/22/2010	Co-57	-1.00E-02	8.80E-01	3.00E+00	
WS	51	L16248-02	2/22/2010	Co-58	-2.00E-01	1.20E+00	4.20E+00	
WS	51	L16248-02	2/22/2010	Co-60	-1.80E+00	1.30E+00	4.90E+00	
WS	51	L16248-02	2/22/2010	Cr-51	3.00E+00	1.10E+01	3.90E+01	
WS	51	L16248-02	2/22/2010	Cs-134	6.00E-01	1.10E+00	4.70E+00	
WS	51	L16248-02	2/22/2010	Cs-137	6.00E-01	1.30E+00	4.40E+00	
WS	51	L16248-02	2/22/2010	Fe-59	-7.00E-01	2.40E+00	8.70E+00	
WS	51	L16248-02	2/22/2010	I-131	-1.00E+00	2.80E+00	9.70E+00	
WS	51	L16248-02	2/22/2010	K-40	2.75E+02	2.80E+01	7.10E+01	*
WS	51	L16248-02	2/22/2010	La-140	-3.50E+00	2.50E+00	9.60E+00	
WS	51	L16248-02	2/22/2010	Mn-54	-2.00E-01	1.20E+00	4.30E+00	
WS	51	L16248-02	2/22/2010	Nb-95	-1.40E+00	1.60E+00	5.70E+00	
WS	51	L16248-02	2/22/2010	Ru-103	1.20E+00	1.50E+00	5.00E+00	
WS	51	L16248-02	2/22/2010	Ru-106	-3.00E+00	1.00E+01	3.70E+01	
WS	51	L16248-02	2/22/2010	Sb-124	2.40E+00	2.90E+00	9.90E+00	
WS	51	L16248-02	2/22/2010	Sb-125	2.80E+00	3.50E+00	1.20E+01	
WS	51	L16248-02	2/22/2010	Se-75	-2.30E+00	1.50E+00	5.20E+00	
WS	51	L16248-02	2/22/2010	Zn-65	-1.70E+00	2.50E+00	9.20E+00	
WS	51	L16248-02	2/22/2010	Zr-95	2.80E+00	2.20E+00	7.20E+00	
WS	51	L16312-02	3/22/2010	AcTh-228	3.20E+00	7.20E+00	2.50E+01	
WS	51	L16312-02	3/22/2010	Ag-108m	6.00E-01	1.60E+00	5.50E+00	
WS	51	L16312-02	3/22/2010	Ag-110m	-3.00E+00	2.50E+00	9.50E+00	
WS	51	L16312-02	3/22/2010	Ba-140	2.20E+00	3.10E+00	1.10E+01	
WS	51	L16312-02	3/22/2010	Be-7	4.00E+00	1.60E+01	5.50E+01	
WS	51	L16312-02	3/22/2010	Ce-141	-4.40E+00	2.70E+00	1.00E+01	
WS	51	L16312-02	3/22/2010	Ce-144	2.50E+01	1.10E+01	3.40E+01	
WS	51	L16312-02	3/22/2010	Co-57	-2.00E-01	1.40E+00	4.70E+00	
WS	51	L16312-02	3/22/2010	Co-58	-2.90E+00	1.70E+00	6.70E+00	
WS	51	L16312-02	3/22/2010	Co-60	3.20E+00	1.80E+00	5.70E+00	
WS	51	L16312-02	3/22/2010	Cr-51	-3.00E+00	1.70E+01	6.10E+01	
WS	51	L16312-02	3/22/2010	Cs-134	-1.20E+00	1.30E+00	6.70E+00	
WS	51	L16312-02	3/22/2010	Cs-137	-2.90E+00	2.00E+00	7.50E+00	
WS	51	L16312-02	3/22/2010	Fe-59	5.00E-01	3.60E+00	1.30E+01	
WS	51	L16393-02	3/22/2010	H-3	-2.00E+01	4.20E+02	1.20E+03	
WS	51	L16312-02	3/22/2010	I-131	-9.00E-01	3.70E+00	1.30E+01	
WS	51	L16312-02	3/22/2010	K-40	8.90E+01	3.00E+01	9.30E+01	
WS	51	L16312-02	3/22/2010	La-140	2.20E+00	3.10E+00	1.10E+01	
WS	51	L16312-02	3/22/2010	Mn-54	2.10E+00	1.90E+00	6.50E+00	
WS	51	L16312-02	3/22/2010	Nb-95	-4.00E+00	1.80E+00	7.20E+00	
WS	51	L16312-02	3/22/2010	Ru-103	-9.00E-01	2.00E+00	7.20E+00	
WS	51	L16312-02	3/22/2010	Ru-106	-2.90E+01	1.70E+01	6.60E+01	
WS	51	L16312-02	3/22/2010	Sb-124	7.00E-01	3.70E+00	1.40E+01	
WS	51	L16312-02	3/22/2010	Sb-125	-1.70E+00	4.50E+00	1.60E+01	
WS	51	L16312-02	3/22/2010	Se-75	-2.60E+00	2.20E+00	8.10E+00	
WS	51	L16312-02	3/22/2010	Zn-65	3.50E+00	3.80E+00	1.30E+01	
WS	51	L16312-02	3/22/2010	Zr-95	-1.30E+00	2.80E+00	1.10E+01	
WS	51	L16472-02	4/20/2010	AcTh-228	1.00E-01	3.10E+00	1.10E+01	
WS	51	L16472-02	4/20/2010	Ag-108m	-1.90E-01	5.80E-01	2.00E+00	
WS	51	L16472-02	4/20/2010	Ag-110m	-2.10E-01	8.90E-01	3.10E+00	

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	
WS	51	L16472-02	4/20/2010	Ba-140	2.00E-01	2.90E+00	1.00E+01	
WS	51	L16472-02	4/20/2010	Be-7	-6.00E-01	6.90E+00	2.30E+01	
WS	51	L16472-02	4/20/2010	Ce-141	-3.00E-01	1.00E+00	3.50E+00	
WS	51	L16472-02	4/20/2010	Ce-144	8.40E+00	3.50E+00	1.10E+01	
WS	51	L16472-02	4/20/2010	Co-57	6.00E-02	4.40E-01	1.50E+00	
WS	51	L16472-02	4/20/2010	Co-58	-5.50E-01	7.50E-01	2.60E+00	
WS	51	L16472-02	4/20/2010	Co-60	-6.90E-01	7.20E-01	2.60E+00	
WS	51	L16472-02	4/20/2010	Cr-51	-1.08E+01	9.60E+00	3.30E+01	
WS	51	L16472-02	4/20/2010	Cs-134	4.50E-01	5.50E-01	2.20E+00	
WS	51	L16472-02	4/20/2010	Cs-137	-2.60E-01	6.30E-01	2.20E+00	
WS	51	L16472-02	4/20/2010	Fe-59	-3.30E+00	1.70E+00	6.40E+00	
WS	51	L16472-02	4/20/2010	I-131	3.90E+00	4.20E+00	1.40E+01	
WS	51	L16472-02	4/20/2010	K-40	2.41E+02	1.50E+01	3.60E+01	*
WS	51	L16472-02	4/20/2010	La-140	2.00E-01	2.90E+00	1.00E+01	
WS	51	L16472-02	4/20/2010	Mn-54	-3.20E-01	6.70E-01	2.30E+00	
WS	51	L16472-02	4/20/2010	Nb-95	2.80E+00	1.00E+00	3.20E+00	
WS	51	L16472-02	4/20/2010	Ru-103	-2.80E+00	9.20E-01	3.30E+00	
WS	51	L16472-02	4/20/2010	Ru-106	3.10E+00	6.00E+00	2.00E+01	
WS	51	L16472-02	4/20/2010	Sb-124	-2.00E+00	1.70E+00	6.40E+00	
WS	51	L16472-02	4/20/2010	Sb-125	-1.60E+00	1.80E+00	6.10E+00	
WS	51	L16472-02	4/20/2010	Se-75	2.80E-01	8.40E-01	2.80E+00	
WS	51	L16472-02	4/20/2010	Zn-65	-1.00E+00	1.50E+00	5.40E+00	
WS	51	L16472-02	4/20/2010	Zr-95	-1.00E+00	1.40E+00	4.90E+00	
WS	51	L16556-02	5/18/2010	AcTh-228	2.40E+00	4.30E+00	1.40E+01	
WS	51	L16556-02	5/18/2010	Ag-108m	-3.60E-01	6.80E-01	2.40E+00	
WS	51	L16556-02	5/18/2010	Ag-110m	1.20E+00	1.30E+00	4.50E+00	
WS	51	L16556-02	5/18/2010	Ba-140	3.00E+00	3.70E+00	1.20E+01	
WS	51	L16556-02	5/18/2010	Be-7	-1.01E+01	8.30E+00	2.90E+01	
WS	51	L16556-02	5/18/2010	Ce-141	-2.30E+00	1.60E+00	5.60E+00	
WS	51	L16556-02	5/18/2010	Ce-144	-3.00E-01	4.40E+00	1.50E+01	
WS	51	L16556-02	5/18/2010	Co-57	-6.00E-02	4.60E-01	1.50E+00	
WS	51	L16556-02	5/18/2010	Co-58	5.00E-01	9.30E-01	3.20E+00	
WS	51	L16556-02	5/18/2010	Co-60	-2.00E-01	1.10E+00	3.80E+00	
WS	51	L16556-02	5/18/2010	Cr-51	7.50E+00	9.10E+00	3.10E+01	
WS	51	L16556-02	5/18/2010	Cs-134	5.10E-01	7.90E-01	3.30E+00	
WS	51	L16556-02	5/18/2010	Cs-137	6.70E-01	9.50E-01	3.20E+00	
WS	51	L16556-02	5/18/2010	Fe-59	2.00E-01	2.60E+00	9.10E+00	
WS	51	L16556-02	5/18/2010	I-131	2.00E-01	3.80E+00	1.30E+01	
WS	51	L16556-02	5/18/2010	K-40	2.99E+02	2.30E+01	5.40E+01	*
WS	51	L16556-02	5/18/2010	La-140	3.00E+00	3.70E+00	1.20E+01	
WS	51	L16556-02	5/18/2010	Mn-54	-1.81E+00	9.20E-01	3.40E+00	
WS	51	L16556-02	5/18/2010	Nb-95	6.00E-01	1.20E+00	4.00E+00	
WS	51	L16556-02	5/18/2010	Ru-103	-2.20E+00	1.10E+00	3.80E+00	
WS	51	L16556-02	5/18/2010	Ru-106	1.38E+01	7.80E+00	2.60E+01	
WS	51	L16556-02	5/18/2010	Sb-124	-2.00E+00	2.80E+00	1.00E+01	
WS	51	L16556-02	5/18/2010	Sb-125	-5.00E-01	2.40E+00	8.30E+00	
WS	51	L16556-02	5/18/2010	Se-75	-7.40E-01	9.30E-01	3.20E+00	
WS	51	L16556-02	5/18/2010	Zn-65	-3.00E+00	2.40E+00	1.20E+01	
WS	51	L16556-02	5/18/2010	Zr-95	-1.80E+00	1.70E+00	6.00E+00	
WS	51	L16667-02	6/21/2010	AcTh-228	-6.50E+00	4.20E+00	1.50E+01	
WS	51	L16667-02	6/21/2010	Ag-108m	-8.40E-01	7.00E-01	2.50E+00	
WS	51	L16667-02	6/21/2010	Ag-110m	1.20E+00	1.30E+00	4.30E+00	

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	
WS	51	L16667-02	6/21/2010	Ba-140	-7.80E+00	2.90E+00	1.10E+01	
WS	51	L16667-02	6/21/2010	Be-7	-4.00E-01	8.00E+00	2.80E+01	
WS	51	L16667-02	6/21/2010	Ce-141	2.90E+00	1.40E+00	4.40E+00	
WS	51	L16667-02	6/21/2010	Ce-144	1.90E+00	3.70E+00	1.20E+01	
WS	51	L16667-02	6/21/2010	Co-57	-2.00E-02	4.80E-01	1.60E+00	
WS	51	L16667-02	6/21/2010	Co-58	1.37E+00	9.10E-01	3.00E+00	
WS	51	L16667-02	6/21/2010	Co-60	8.30E-01	9.70E-01	3.30E+00	
WS	51	L16667-02	6/21/2010	Cr-51	-2.78E+01	7.80E+00	2.90E+01	
WS	51	L16667-02	6/21/2010	Cs-134	-1.25E+00	8.30E-01	3.70E+00	
WS	51	L16667-02	6/21/2010	Cs-137	-7.00E-01	9.40E-01	3.30E+00	
WS	51	L16667-02	6/21/2010	Fe-59	9.00E-01	2.30E+00	7.80E+00	
WS	51	L16707-02	6/21/2010	H-3	-2.10E+02	4.00E+02	1.30E+03	
WS	51	L16667-02	6/21/2010	I-131	1.00E+00	3.30E+00	1.10E+01	
WS	51	L16667-02	6/21/2010	K-40	2.89E+02	2.30E+01	5.60E+01	*
WS	51	L16667-02	6/21/2010	La-140	-7.80E+00	2.90E+00	1.10E+01	
WS	51	L16667-02	6/21/2010	Mn-54	-5.80E-01	8.20E-01	2.90E+00	
WS	51	L16667-02	6/21/2010	Nb-95	6.00E-01	1.10E+00	3.90E+00	
WS	51	L16667-02	6/21/2010	Ru-103	7.00E-01	1.00E+00	3.50E+00	
WS	51	L16667-02	6/21/2010	Ru-106	1.30E+00	8.10E+00	2.80E+01	
WS	51	L16667-02	6/21/2010	Sb-124	-5.20E+00	2.70E+00	1.00E+01	
WS	51	L16667-02	6/21/2010	Sb-125	-4.50E+00	2.30E+00	8.20E+00	
WS	51	L16667-02	6/21/2010	Se-75	6.80E-01	9.30E-01	3.10E+00	
WS	51	L16667-02	6/21/2010	Zn-65	-3.60E+00	2.10E+00	7.80E+00	
WS	51	L16667-02	6/21/2010	Zr-95	4.00E-01	1.70E+00	5.80E+00	
WS	51	L16722-02	7/20/2010	AcTh-228	9.30E+00	5.90E+00	1.90E+01	
WS	51	L16722-02	7/20/2010	Ag-108m	7.00E-01	1.20E+00	4.10E+00	
WS	51	L16722-02	7/20/2010	Ag-110m	-1.10E+00	1.80E+00	6.50E+00	
WS	51	L16722-02	7/20/2010	Ba-140	1.30E+00	2.40E+00	8.30E+00	
WS	51	L16722-02	7/20/2010	Be-7	-4.00E+00	1.30E+01	4.40E+01	
WS	51	L16722-02	7/20/2010	Ce-141	-3.30E+00	2.30E+00	8.10E+00	
WS	51	L16722-02	7/20/2010	Ce-144	3.60E+00	8.10E+00	2.70E+01	
WS	51	L16722-02	7/20/2010	Co-57	-2.00E+00	1.00E+00	3.60E+00	
WS	51	L16722-02	7/20/2010	Co-58	1.50E+00	1.30E+00	4.20E+00	
WS	51	L16722-02	7/20/2010	Co-60	-5.00E-01	1.50E+00	5.40E+00	
WS	51	L16722-02	7/20/2010	Cr-51	1.20E+01	1.30E+01	4.40E+01	
WS	51	L16722-02	7/20/2010	Cs-134	-8.40E-01	9.30E-01	4.20E+00	
WS	51	L16722-02	7/20/2010	Cs-137	2.50E+00	1.40E+00	4.70E+00	
WS	51	L16722-02	7/20/2010	Fe-59	1.80E+00	2.50E+00	8.80E+00	
WS	51	L16722-02	7/20/2010	I-131	1.80E+00	2.80E+00	9.50E+00	
WS	51	L16722-02	7/20/2010	K-40	3.47E+02	3.00E+01	6.20E+01	*
WS	51	L16722-02	7/20/2010	La-140	1.30E+00	2.40E+00	8.30E+00	
WS	51	L16722-02	7/20/2010	Mn-54	2.00E-01	1.40E+00	4.90E+00	
WS	51	L16722-02	7/20/2010	Nb-95	-2.10E+00	1.50E+00	5.60E+00	
WS	51	L16722-02	7/20/2010	Ru-103	-3.60E+00	1.60E+00	6.10E+00	
WS	51	L16722-02	7/20/2010	Ru-106	2.10E+01	1.30E+01	4.40E+01	
WS	51	L16722-02	7/20/2010	Sb-124	-1.30E+00	2.80E+00	1.10E+01	
WS	51	L16722-02	7/20/2010	Sb-125	2.10E+00	3.50E+00	1.20E+01	
WS	51	L16722-02	7/20/2010	Se-75	1.60E+00	1.80E+00	5.90E+00	
WS	51	L16722-02	7/20/2010	Zn-65	-5.10E+00	2.60E+00	1.00E+01	
WS	51	L16722-02	7/20/2010	Zr-95	-3.30E+00	2.30E+00	8.80E+00	
WS	51	L16765-02	8/30/2010	AcTh-228	-1.30E+00	5.40E+00	1.90E+01	
WS	51	L16765-02	8/30/2010	Ag-108m	-2.00E-01	1.10E+00	3.80E+00	

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	
WS	51	L16765-02	8/30/2010	Ag-110m	1.60E+00	1.90E+00	6.30E+00	
WS	51	L16765-02	8/30/2010	Ba-140	9.00E-01	3.30E+00	1.20E+01	
WS	51	L16765-02	8/30/2010	Be-7	-2.00E+00	1.10E+01	3.80E+01	
WS	51	L16765-02	8/30/2010	Ce-141	-2.90E+00	2.00E+00	7.00E+00	
WS	51	L16765-02	8/30/2010	Ce-144	6.10E+00	5.50E+00	1.80E+01	
WS	51	L16765-02	8/30/2010	Co-57	-9.00E-01	6.30E-01	2.20E+00	
WS	51	L16765-02	8/30/2010	Co-58	-1.00E-01	1.30E+00	4.50E+00	
WS	51	L16765-02	8/30/2010	Co-60	0.00E+00	1.40E+00	5.20E+00	
WS	51	L16765-02	8/30/2010	Cr-51	1.40E+01	1.10E+01	3.80E+01	
WS	51	L16765-02	8/30/2010	Cs-134	9.20E-01	9.60E-01	4.60E+00	
WS	51	L16765-02	8/30/2010	Cs-137	2.50E+00	1.40E+00	4.50E+00	
WS	51	L16765-02	8/30/2010	Fe-59	-2.00E+00	3.20E+00	1.20E+01	
WS	51	L16765-02	8/30/2010	I-131	-2.30E+00	4.00E+00	1.40E+01	
WS	51	L16765-02	8/30/2010	K-40	3.20E+02	3.20E+01	7.70E+01	*
WS	51	L16765-02	8/30/2010	La-140	9.00E-01	3.30E+00	1.20E+01	
WS	51	L16765-02	8/30/2010	Mn-54	-1.40E+00	1.20E+00	4.60E+00	
WS	51	L16765-02	8/30/2010	Nb-95	3.00E-01	1.70E+00	5.80E+00	
WS	51	L16765-02	8/30/2010	Ru-103	-3.50E+00	1.50E+00	5.60E+00	
WS	51	L16765-02	8/30/2010	Ru-106	-2.00E+00	1.30E+01	4.40E+01	
WS	51	L16765-02	8/30/2010	Sb-124	1.90E+00	4.00E+00	1.40E+01	
WS	51	L16765-02	8/30/2010	Sb-125	-7.00E+00	3.10E+00	1.20E+01	
WS	51	L16765-02	8/30/2010	Se-75	1.30E+00	1.50E+00	5.00E+00	
WS	51	L16765-02	8/30/2010	Zn-65	6.00E-01	3.20E+00	1.10E+01	
WS	51	L16765-02	8/30/2010	Zr-95	2.50E+00	2.40E+00	8.10E+00	
WS	51	L16777-02	9/22/2010	AcTh-228	5.10E+00	8.80E+00	3.00E+01	
WS	51	L16777-02	9/22/2010	Ag-108m	5.00E-01	1.40E+00	4.90E+00	
WS	51	L16777-02	9/22/2010	Ag-110m	-3.00E+00	2.40E+00	9.20E+00	
WS	51	L16777-02	9/22/2010	Ba-140	7.30E+00	3.50E+00	1.10E+01	
WS	51	L16777-02	9/22/2010	Be-7	5.00E+00	1.20E+01	4.30E+01	
WS	51	L16777-02	9/22/2010	Ce-141	-5.00E-01	2.30E+00	8.00E+00	
WS	51	L16777-02	9/22/2010	Ce-144	-5.00E-01	6.90E+00	2.40E+01	
WS	51	L16777-02	9/22/2010	Co-57	-1.51E+00	8.90E-01	3.20E+00	
WS	51	L16777-02	9/22/2010	Co-58	-3.00E-01	1.60E+00	6.00E+00	
WS	51	L16777-02	9/22/2010	Co-60	-1.00E-01	1.60E+00	6.20E+00	
WS	51	L16777-02	9/22/2010	Cr-51	4.00E+00	1.30E+01	4.50E+01	
WS	51	L16777-02	9/22/2010	Cs-134	-1.60E+00	1.40E+00	6.70E+00	
WS	51	L16777-02	9/22/2010	Cs-137	0.00E+00	1.80E+00	6.40E+00	
WS	51	L16777-02	9/22/2010	Fe-59	2.10E+00	3.20E+00	1.10E+01	
WS	51	L16778-02	9/22/2010	H-3	-1.10E+02	5.50E+02	1.70E+03	
WS	51	L16777-02	9/22/2010	I-131	-4.10E+00	3.30E+00	1.20E+01	
WS	51	L16777-02	9/22/2010	K-40	2.77E+02	4.10E+01	1.00E+02	*
WS	51	L16777-02	9/22/2010	La-140	7.30E+00	3.50E+00	1.10E+01	
WS	51	L16777-02	9/22/2010	Mn-54	-2.10E+00	1.60E+00	6.30E+00	
WS	51	L16777-02	9/22/2010	Nb-95	-6.00E-01	1.80E+00	6.70E+00	
WS	51	L16777-02	9/22/2010	Ru-103	1.30E+00	1.70E+00	5.90E+00	
WS	51	L16777-02	9/22/2010	Ru-106	-9.00E+00	1.70E+01	6.00E+01	
WS	51	L16777-02	9/22/2010	Sb-124	4.20E+00	4.50E+00	1.60E+01	
WS	51	L16777-02	9/22/2010	Sb-125	-1.10E+00	4.00E+00	1.40E+01	
WS	51	L16777-02	9/22/2010	Se-75	1.80E+00	1.80E+00	6.10E+00	
WS	51	L16777-02	9/22/2010	Zn-65	-9.90E+00	4.10E+00	1.70E+01	
WS	51	L16777-02	9/22/2010	Zr-95	7.30E+00	3.20E+00	9.90E+00	
WS	51	266967002	10/19/2010	Ac-228	5.32E+00	2.62E+00	9.01E+00	

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	
WS	51	266967002	10/19/2010	Ag-108m	6.85E-01	6.04E-01	2.00E+00	
WS	51	266967002	10/19/2010	Ag-110m	1.48E-01	6.38E-01	2.12E+00	
WS	51	266967002	10/19/2010	Ba-140	4.87E+00	3.40E+00	1.19E+01	
WS	51	266967002	10/19/2010	Be-7	6.12E+00	7.41E+00	2.55E+01	
WS	51	266967002	10/19/2010	Bi-214	4.60E+00	2.86E+00	4.64E+00	
WS	51	266967002	10/19/2010	Ce-141	-2.71E+00	2.02E+00	6.75E+00	
WS	51	266967002	10/19/2010	Ce-144	-1.07E+01	5.35E+00	1.62E+01	
WS	51	266967002	10/19/2010	Co-57	-1.19E+00	7.00E-01	2.16E+00	
WS	51	266967002	10/19/2010	Co-58	-5.06E-01	8.08E-01	2.57E+00	
WS	51	266967002	10/19/2010	Co-60	-1.16E+00	6.91E-01	2.08E+00	
WS	51	266967002	10/19/2010	Cr-51	-4.90E+00	1.17E+01	3.80E+01	
WS	51	266967002	10/19/2010	Cs-134	-3.52E-01	8.37E-01	2.69E+00	
WS	51	266967002	10/19/2010	Cs-137	-8.72E-01	6.77E-01	2.14E+00	
WS	51	266967002	10/19/2010	Fe-59	2.03E+00	2.08E+00	7.15E+00	
WS	51	266967002	10/19/2010	I-131	4.22E+00	8.25E+00	2.71E+01	+
WS	51	266967002	10/19/2010	K-40	3.41E+02	2.43E+01	2.01E+01	*
WS	51	266967002	10/19/2010	La-140	4.87E+00	3.39E+00	1.19E+01	
WS	51	266967002	10/19/2010	Mn-54	-4.07E-01	6.98E-01	2.22E+00	
WS	51	266967002	10/19/2010	Nb-95	7.29E-01	9.07E-01	3.04E+00	
WS	51	266967002	10/19/2010	Pb-212	-3.20E+00	2.20E+00	4.73E+00	
WS	51	266967002	10/19/2010	Pb-214	1.26E+00	3.07E+00	5.96E+00	
WS	51	266967002	10/19/2010	Ru-103	1.62E+00	1.07E+00	3.71E+00	
WS	51	266967002	10/19/2010	Ru-106	-1.05E+00	5.91E+00	1.95E+01	
WS	51	266967002	10/19/2010	Sb-124	-1.47E+00	1.76E+00	5.59E+00	
WS	51	266967002	10/19/2010	Sb-125	3.37E+00	1.87E+00	6.28E+00	
WS	51	266967002	10/19/2010	Se-75	9.98E-02	1.09E+00	3.62E+00	
WS	51	266967002	10/19/2010	Th-228	-3.20E+00	2.20E+00	4.73E+00	
WS	51	266967002	10/19/2010	Zn-65	-9.17E-03	1.63E+00	4.66E+00	
WS	51	266967002	10/19/2010	Zr-95	-3.08E+00	1.48E+00	4.45E+00	
WS	51	267465002	11/15/2010	Ac-228	7.32E+00	2.88E+00	1.03E+01	
WS	51	267465002	11/15/2010	Ag-108m	-1.08E-01	6.90E-01	2.20E+00	
WS	51	267465002	11/15/2010	Ag-110m	1.14E+00	6.68E-01	2.31E+00	
WS	51	267465002	11/15/2010	Ba-140	2.81E+00	3.80E+00	1.29E+01	
WS	51	267465002	11/15/2010	Be-7	-9.33E+00	5.61E+00	1.79E+01	
WS	51	267465002	11/15/2010	Bi-214	5.89E+00	2.95E+00	4.59E+00	UI
WS	51	267465002	11/15/2010	Ce-141	-7.89E-01	1.38E+00	4.35E+00	
WS	51	267465002	11/15/2010	Ce-144	2.90E-01	5.08E+00	1.62E+01	
WS	51	267465002	11/15/2010	Co-57	-8.99E-01	6.69E-01	2.09E+00	
WS	51	267465002	11/15/2010	Co-58	1.42E-01	7.23E-01	2.36E+00	
WS	51	267465002	11/15/2010	Co-60	-2.09E+00	8.31E-01	2.35E+00	
WS	51	267465002	11/15/2010	Cr-51	3.63E-01	6.88E+00	2.25E+01	
WS	51	267465002	11/15/2010	Cs-134	-5.42E-01	8.87E-01	2.81E+00	
WS	51	267465002	11/15/2010	Cs-137	-1.69E+00	7.65E-01	2.32E+00	
WS	51	267465002	11/15/2010	Fe-59	1.02E+00	1.47E+00	5.01E+00	
WS	51	267465002	11/15/2010	I-131	-1.46E+00	1.44E+00	4.54E+00	
WS	51	267465002	11/15/2010	K-40	3.38E+02	2.91E+01	2.30E+01	*
WS	51	267465002	11/15/2010	La-140	-6.39E-01	1.28E+00	4.15E+00	
WS	51	267465002	11/15/2010	Mn-54	9.00E-01	7.03E-01	2.38E+00	
WS	51	267465002	11/15/2010	Nb-95	1.48E+00	7.61E-01	2.63E+00	
WS	51	267465002	11/15/2010	Pb-212	2.55E+00	3.22E+00	7.00E+00	
WS	51	267465002	11/15/2010	Pb-214	-5.49E+00	2.75E+00	5.95E+00	
WS	51	267465002	11/15/2010	Ru-103	-1.40E+00	7.62E-01	2.41E+00	

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)

Seabrook Nuclear Power Station Radiological Environmental Monitoring Program -2010

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	
WS	51	267465002	11/15/2010	Ru-106	6.18E-01	6.34E+00	2.10E+01	
WS	51	267465002	11/15/2010	Sb-124	-4.68E-01	1.82E+00	5.95E+00	
WS	51	267465002	11/15/2010	Sb-125	1.11E+00	1.99E+00	6.47E+00	
WS	51	267465002	11/15/2010	Se-75	-2.01E-01	9.69E-01	3.19E+00	
WS	51	267465002	11/15/2010	Th-228	2.55E+00	3.22E+00	7.00E+00	
WS	51	267465002	11/15/2010	Zn-65	-1.18E+00	1.83E+00	5.00E+00	
WS	51	267465002	11/15/2010	Zr-95	1.35E-02	1.23E+00	4.01E+00	
WS	51	269542002	12/20/2010	Ac-228	-8.79E-01	3.17E+00	8.19E+00	
WS	51	269542002	12/20/2010	Ag-108m	2.75E-01	5.49E-01	1.78E+00	
WS	51	269542002	12/20/2010	Ag-110m	-1.12E+00	5.55E-01	1.72E+00	
WS	51	269542002	12/20/2010	Ba-140	-5.24E-01	2.64E+00	6.10E+00	
WS	51	269542002	12/20/2010	Be-7	-2.43E+00	5.76E+00	1.93E+01	
WS	51	269542002	12/20/2010	Bi-214	1.70E+00	2.43E+00	4.56E+00	
WS	51	269542002	12/20/2010	Ce-141	-1.27E+00	1.34E+00	4.49E+00	
WS	51	269542002	12/20/2010	Ce-144	-1.23E+00	4.21E+00	1.32E+01	
WS	51	269542002	12/20/2010	Co-57	-1.34E+00	5.51E-01	1.67E+00	
WS	51	269542002	12/20/2010	Co-58	2.11E-01	6.23E-01	2.06E+00	
WS	51	269542002	12/20/2010	Co-60	1.91E-01	6.28E-01	2.10E+00	
WS	51	269542002	12/20/2010	Cr-51	-5.26E+00	7.39E+00	2.38E+01	
WS	51	269542002	12/20/2010	Cs-134	3.66E-01	7.44E-01	2.47E+00	
WS	51	269542002	12/20/2010	Cs-137	1.31E+00	6.12E-01	2.13E+00	
WS	51	269542002	12/20/2010	Fe-59	1.20E+00	1.50E+00	5.13E+00	
WS	51	269542002	12/20/2010	I-131	-2.18E+00	2.90E+00	9.23E+00	
WS	51	269542002	12/20/2010	K-40	3.18E+02	2.45E+01	1.97E+01	*
WS	51	269542002	12/20/2010	La-140	-5.24E-01	2.64E+00	6.10E+00	
WS	51	269542002	12/20/2010	Mn-54	2.28E-01	5.81E-01	1.92E+00	
WS	51	269542002	12/20/2010	Nb-95	4.54E-01	6.78E-01	2.27E+00	
WS	51	269542002	12/20/2010	Pb-212	5.01E+00	2.23E+00	3.73E+00	UI
WS	51	269542002	12/20/2010	Pb-214	-3.39E+00	2.16E+00	4.82E+00	
WS	51	269542002	12/20/2010	Ru-103	-8.92E-01	8.75E-01	2.48E+00	
WS	51	269542002	12/20/2010	Ru-106	4.95E-01	5.34E+00	1.78E+01	
WS	51	269542002	12/20/2010	Sb-124	1.06E+00	1.48E+00	4.97E+00	
WS	51	269542002	12/20/2010	Sb-125	1.40E+00	1.66E+00	5.45E+00	
WS	51	269542002	12/20/2010	Se-75	3.83E-01	8.47E-01	2.82E+00	
WS	51	269542002	12/20/2010	Th-228	5.01E+00	2.23E+00	3.73E+00	UI
WS	51	269542002	12/20/2010	Zn-65	-1.28E+00	1.30E+00	4.21E+00	
WS	51	269542002	12/20/2010	Zr-95	-9.45E-02	1.19E+00	3.89E+00	
WS	51	270581002	12/31/2010	H-3	0.00E+00	1.67E+02	5.48E+02	

*** Indicated radioactivity concentration > 3 X standard deviation**
+ Minimum Detectable Concentration > Lower Limit of Detection Requirement
UI Uncertain identification for gamma spectroscopy (rejected determination)