NEXTera ENERGY SEABROOK

April 26, 2012

Docket No. 50-443
SBK-L-12096

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

Seabrook Station
2011 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 2011 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

Michael O'Keefe
Licensing Manager

IE06
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cc: with enclosure

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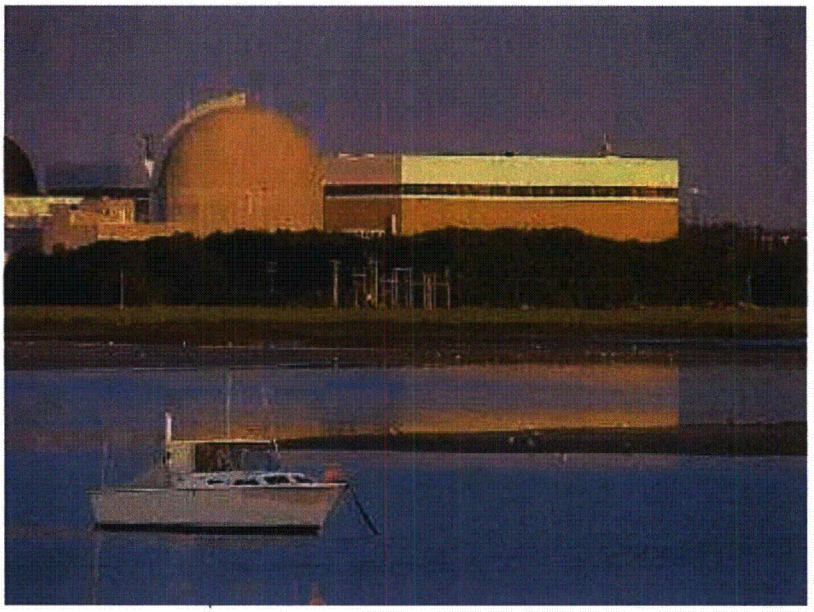
NEXTera ENERGY SEABROOK

2011 Annual Radiological Environmental Operating Report



April 2012

SEABROOK STATION

ANNUAL RADIOLOGICAL ENVIRONMENTAL OPERATING REPORT

For the Period

January - December 2011

Docket No. 50-443

Prepared By:

NextEra Energy Seabrook, LLC
Chemistry Department
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And

AREVA
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Peter Harvey, NextEra Energy Seabrook, LLC

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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 2011. 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.

Radioactivity levels in the vicinity of Seabrook Station from January 1 through December 31, 2011 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 560 samples per year, with a total of 2400 individual measurement analyses. In 2011, the total number of collected samples (both required and non-required) equaled 854 taken from 97 locations around Seabrook Station. These included aquatic, atmospheric, and terrestrial environments. An estimated 5431 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 24 direct radiation measurements using environmental TLDs in 2011. 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 as a result of plant operations in an environmental sampling medium at a specified location 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 2011, Seabrook Station reporting levels were not exceeded.

All off-site radioactivity detected was attributable to either naturally occurring radionuclides, previous nuclear weapons tests, the Fukushima Daiichi nuclear accident in Japan on March 11, 2011, or other man-made sources.

In 2011, the maximum whole body dose to the hypothetically exposed individual due to Seabrook Station operations was estimated to be 0.078 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 sources. This total represents approximately 0.31% 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 2011 results reflected both detectable low levels of airborne I-131, Cs-134 and Cs-137 in the March – April time period, coincident with a notable spike (maximum of 3.7 times normal) in airborne gross beta activity. The presence of fission products in airborne environmental sample (both indicator and control stations) for short portions of the year is attributed to atmospheric fallout related to the Fukushima Daiichi nuclear accident in Japan on March 11, 2011. After the March – April time frame, airborne levels of gross beta activity returned to pre-Fukushima levels with no detectable levels of fission products found in air samples for the remainder of the year.

- The direct exposure pathway measures environmental radiation exposures by use of thermoluminescent dosimeters (TLDs). TLD results have indicated a trend that compares with previous years which reflect the natural variability of background radiation from one location to another. The exposure rate response at some individual monitoring stations has exhibited step changes at some point in the past that appear to be related to changes in local conditions in the area of the dosimeter measurement. These step observations have been noted at indicator locations at various distances from the plant, as well as at control locations, leading to the conclusion that the changes in local TLD responses are not related to Seabrook operations. As a result, no significant radiation contribution from Seabrook Station sources was identified via TLD environmental measurements off-site during the course of 2011 from either plant operations or from the spent fuel in the Dry Fuel Storage Facility.

- 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. However, the Fukushima Daiichi nuclear accident did result in detectable fallout of fission related radionuclides in leafy vegetation, and possibly milk. Neither fish nor terrestrial food products (strawberries and tomatoes) had any detectable fission product related radioactivity. Observed levels of Cs-137 in milk can be attribute to past weapons fall out based on similar detectable levels with those observed prior to the Fukushima Daiichi event, but some contribution from the nuclear accident can not be totally ruled out. Broad leafy vegetation samples were also found with detectable Cs-137 and Cs-134 which was attributed to the Fukushima Daiichi accident. No radionuclides related to plant effluents were detected in any of these sample media during 2011.

- 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 water 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 2011 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. The REMP monitoring did detect local area fall-out of fission products related to the Japanese nuclear accident in March, 2011, thereby demonstrating the sensitivity and capability of the REMP to detect low level radiological changes in the environment and the likely source. The REMP confirmed that plant effluents in 2011, did not contribute measurable radiation exposure to the general public. This finding is consistent with previous year's monitoring conclusions. As a result, no increasing or changing trends in plant related radiological impacts on the environment are found.

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1.0 Introduction

NextEra Energy Seabrook, LLC's Radiological Environmental Monitoring Program (REMP) consists 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 sample preparation for shipment, the samples were sent to GEL Laboratories, Inc. of Charleston, SC for analysis. The Environmental Dosimetry Company located in Sterling, MA processed the environmental TLDs for the entire year.

This report is a summary of the findings of the REMP for 2011. 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 (broad-leaf)

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

* Note that broad leaf vegetation is substituted for milk due to insufficient number of required milk sampling locations in the site area.

Table 2.0-2

Plant Operations Radiological Environmental Monitoring Locations[a] [b]
2011

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-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]
2011

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]
2011

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 (near Police Station)	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 2011 sample collection program.

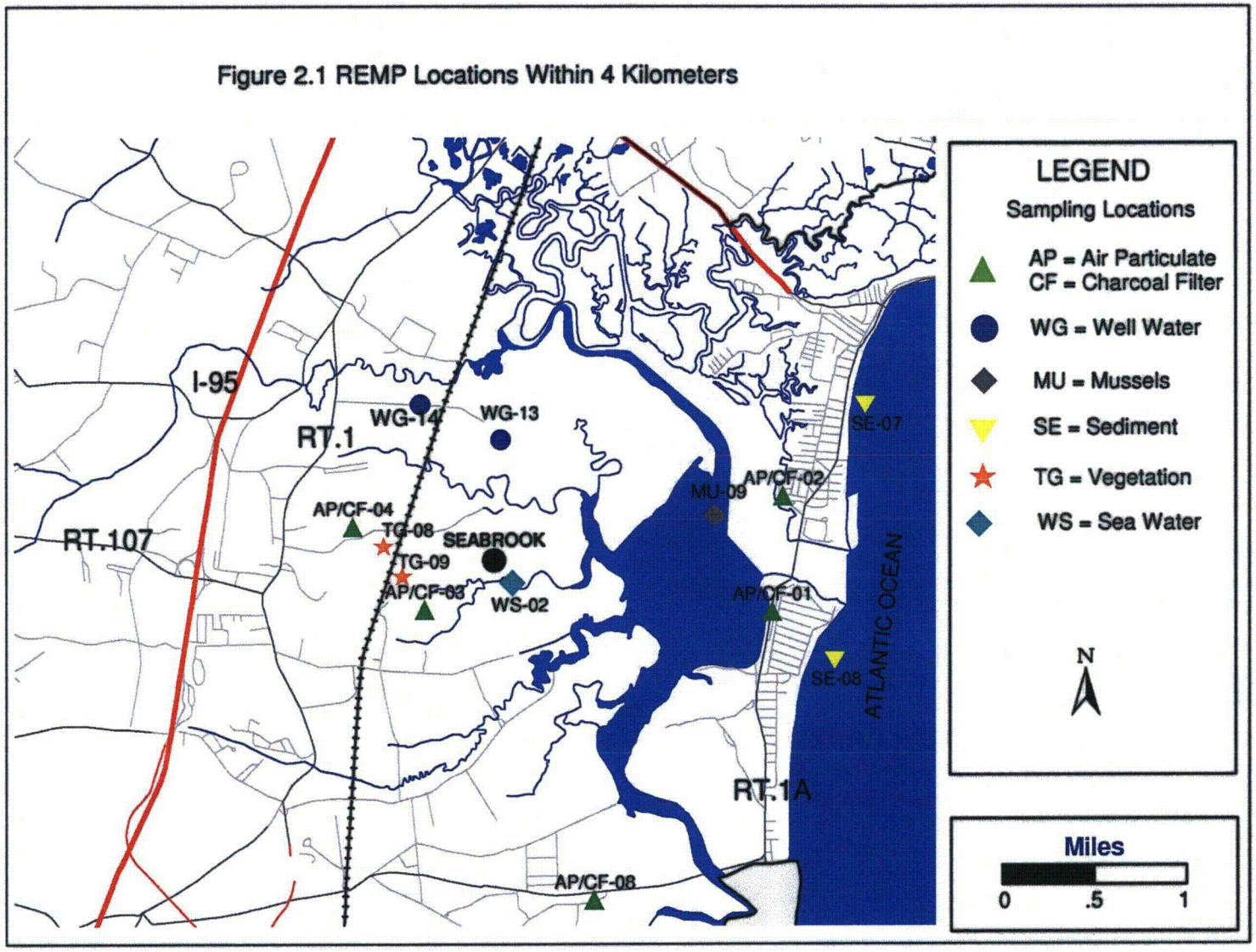


Figure 2.1 Radiological Environmental Monitoring Locations Within 4 Kilometers of Seabrook Station

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

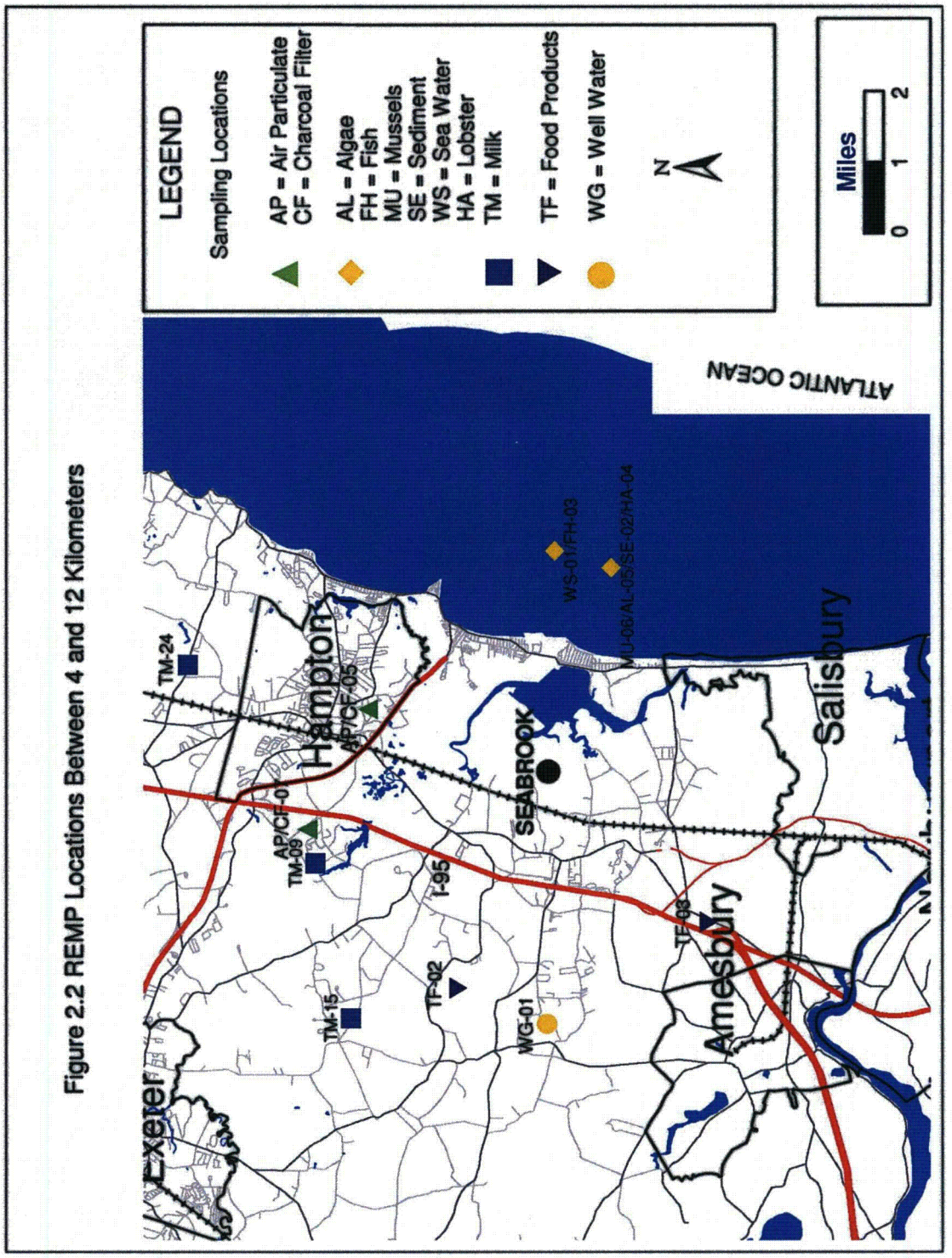


Figure 2.2 REMP Locations Between 4 and 12 Kilometers

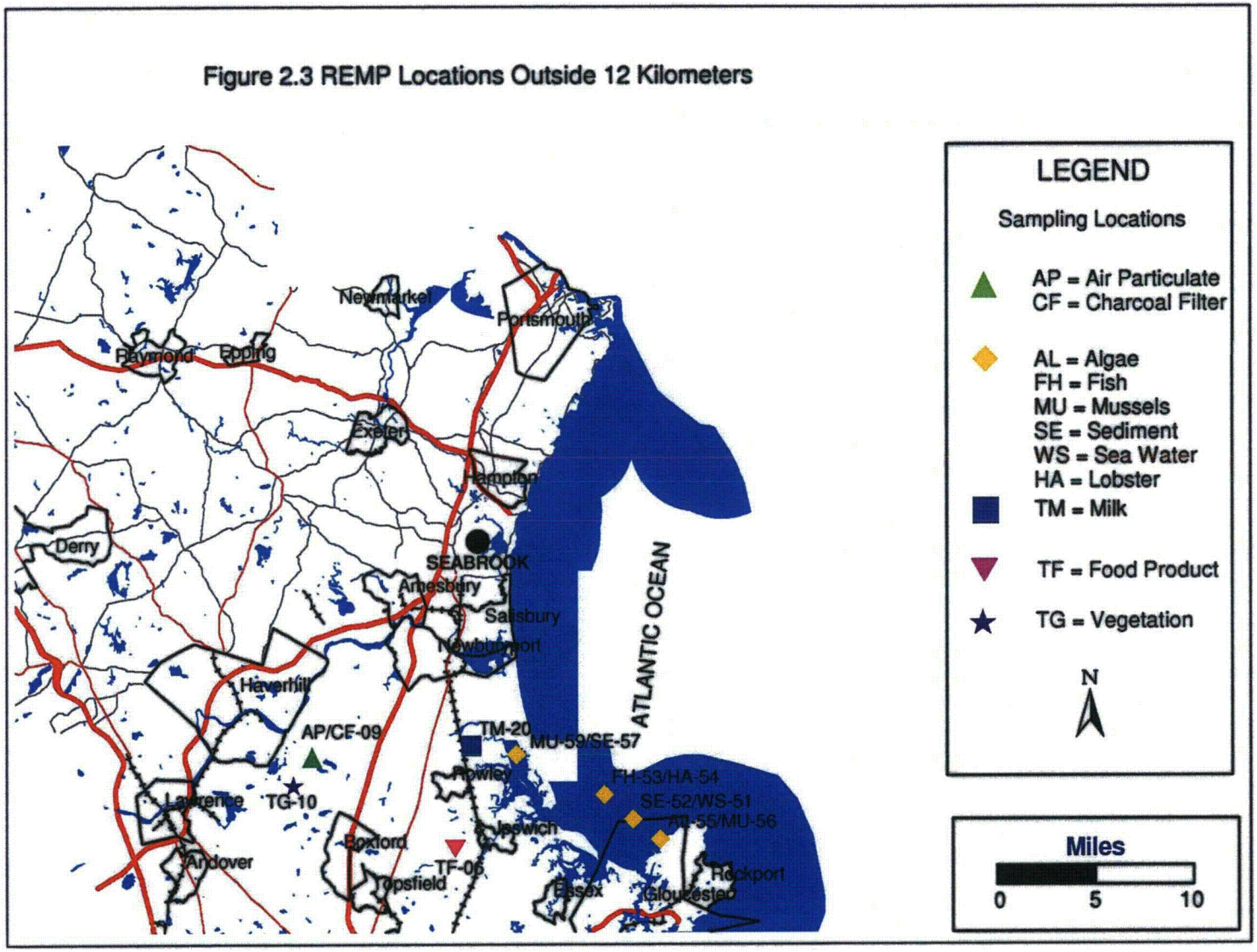


Figure 2.3 Radiological Environmental Monitoring Locations Outside 12 Kilometers of Seabrook Station

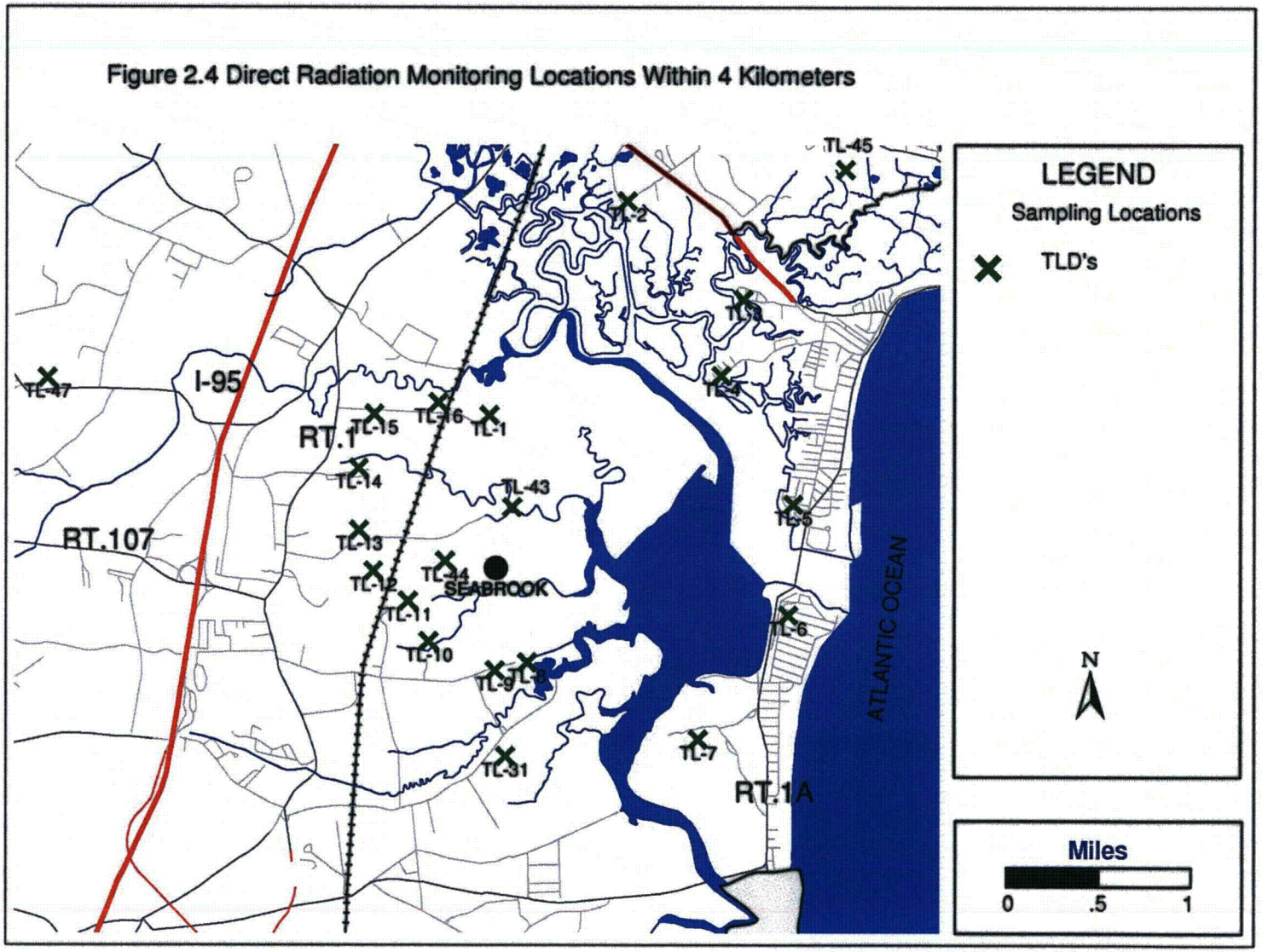
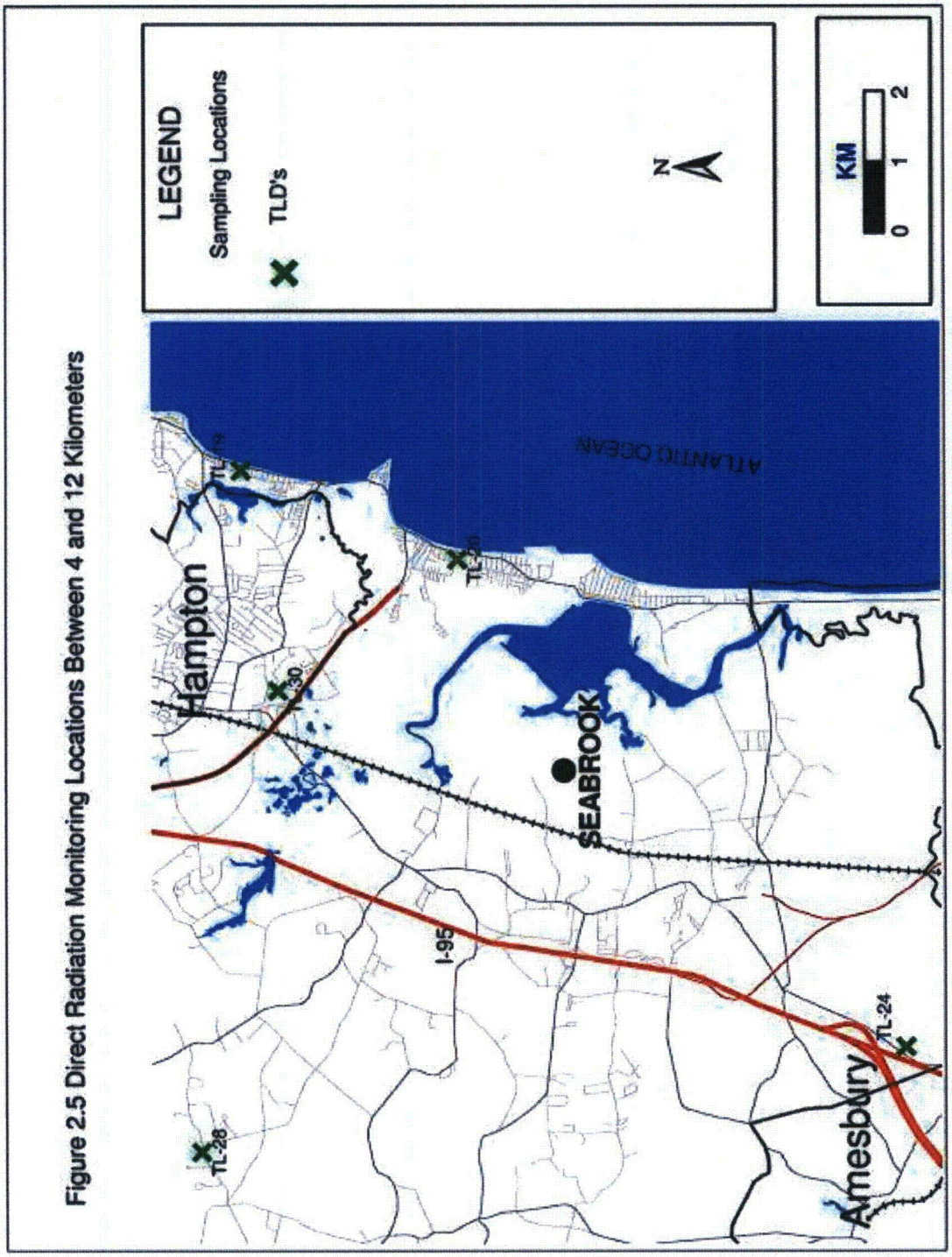


Figure 2.4 Direct Radiation Monitoring Locations Within 4 Kilometers of Seabrook Station

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



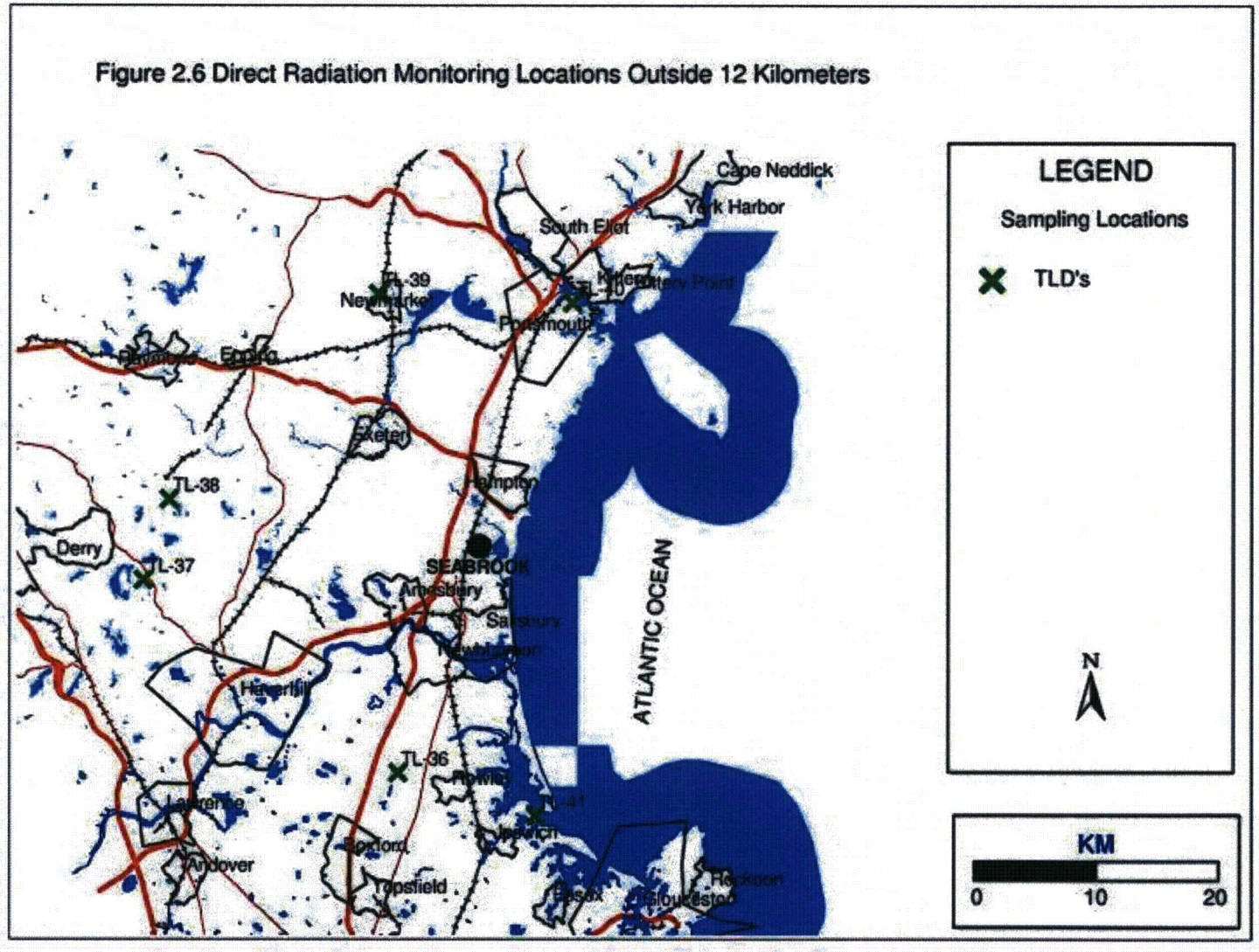


Figure 2.6 Direct Radiation Monitoring Locations Outside 12 Kilometers of Seabrook Station

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 2011. 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 the MDC for the 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 2011. The results are organized by sample type, within each sample type the data are alphabetical by nuclide, and within each radionuclide 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 GEL laboratory uses the mid-point of the collection period as the reference for decay correction until time of analysis.

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 2011, 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 BETA in tables) to allow for the decay of radon and thoron 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. If periods of high dust loading during the collection period caused a higher than normal differential pressure drop across the collection filters, the collection period may be reduced to weekly cycles to reduce the dust loading. In January, 2011, location AP/CF-03 (SW 1.0 km from Containment) was relocated a short distance latterly across the sector to move it away from quarry operations which was a source of excessive dust loading. The new location remains in the Southwest sector at the same approximate distance from the Containment Building as the original location; therefore, no change to the ODCM location description was required. There were no recorded collection cycle reductions due to dust loading in 2011. For the year, 217 particulate filters were collected and analyzed for gross beta activity.

The 2011 gross beta activity analyses for the indicator locations were found to be statistically equivalent to that seen at the control station. In the late March to early April time period, a spike in gross beta activity was observed (see Figure 3.1) at all air sampling stations. The relative increase in the spike was as much as 3.7 times higher than from the weeks prior. The timing of the observed gross beta spike followed closely after the March 11, 2011 nuclear accident at the Fukushima Daiichi reactor complex in Japan. In response, change-out of air sampling filters was performed on a weekly cycle for two weeks to better define the time frame occurrence of changes in airborne activity. A gamma isotopic analysis of one of the weekly filters indicated the presence of both Cs-134 and Cs-137. The presences of Cesium in environmental media which historically has not exhibited detectable levels of these fission products prompted a detailed evaluation as to the likely source. Section 3.14 describes the assessment of Cs-134 and Cs-137 in airborne particulates, as well as other fission product related radionuclides detect in other media during the same time frame of 2011. The conclusion of the assessment was that fallout from the March 11, 2011 Fukushima Daiichi accident in Japan lead to detectable levels of Cs-137 and Cs-134 being detected in air sampling in the northeast United States in the late March – April time period.

Gamma isotopic analyses of particulate filters are summarized on Table 3.1-1. Cesium-134 was detected in only 2 of the 34 analyses performed, while Cs-137 was detected in 8 of the 34 analyses in 2011. The only other radionuclide detected was natural occurring Be-7 which indicated positive in all air particulate samples. Be-7 is of cosmogenic origin, and its presence is consistent with previous years in both the pre- and operational periods.

Near the end of 2010, analysis of environmental samples was changed from the AREVA Environmental Laboratory to GEL Laboratory after the AREVA lab discontinued operations. In comparing long term trends in gross beta activity, the results for 2011 appear to reflect a step increase at the time of the transition between labs. After subtracting the Fukushima Daiichi related spike data, the relative increase between the historical gross-beta response based on AREVA lab data compared to the 2011 GEL data suggest an average increase of about 1.6 times. However, it is also noted that in 2011 all filter samples from all stations (including controls) showed similar trends lines (see Figure 3.1) over the course of the year. Sampling stations in Figures 3.1.1, 3.1.2, and 3.1.3 illustrate the step increase. The step increase at the beginning of 2011 is also indicated in Figure 3.2 which compares the quarterly average gross beta response of all indicator air sampling stations to the control location over the last 17 years. The reason for the step increase is related to the change in the gross beta counting equipment configurations and reference calibration standards used by the AREVA lab and GEL. Both labs use(d) gas proportional counting of the filter element. However, AREVA applied a Cs-137 calibration source while the GEL lab uses a Tc-99 calibration source. In the case of the AREVA data record, the Cs-137 detection efficiency (typically 34%) was applied to the "gross" counts to determine the apparent activity. This inherently

presumes that the radioactivity in a field sample is all Cs-137. In the case of the GEL data record, the Tc-99 efficiency (20.6%), is applied to the same "gross" counts as if all the radioactivity in this case is Tc-99. The end result is two different gross beta radioactivity determinations for the same level of environmental activity. In application, this is not an adverse condition in that the gross beta counting is used as a qualitative indicator of changes in environmental conditions, not as a quantitative measure of the actual radioactivity. Since the comparison of the response curves for each monitoring station, including the control station, are similar over time, the curves indicate that there is no detectable influence from a single nearby point source such as Seabrook Station.

The overall fluctuations in gross beta activity in 2011 for all stations seen throughout the year, with the exception of the March – April spike associated with the Fukushima Daiichi fallout, can be attributed to changes in the environmental conditions unrelated to plant operations. 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.

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 lists 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

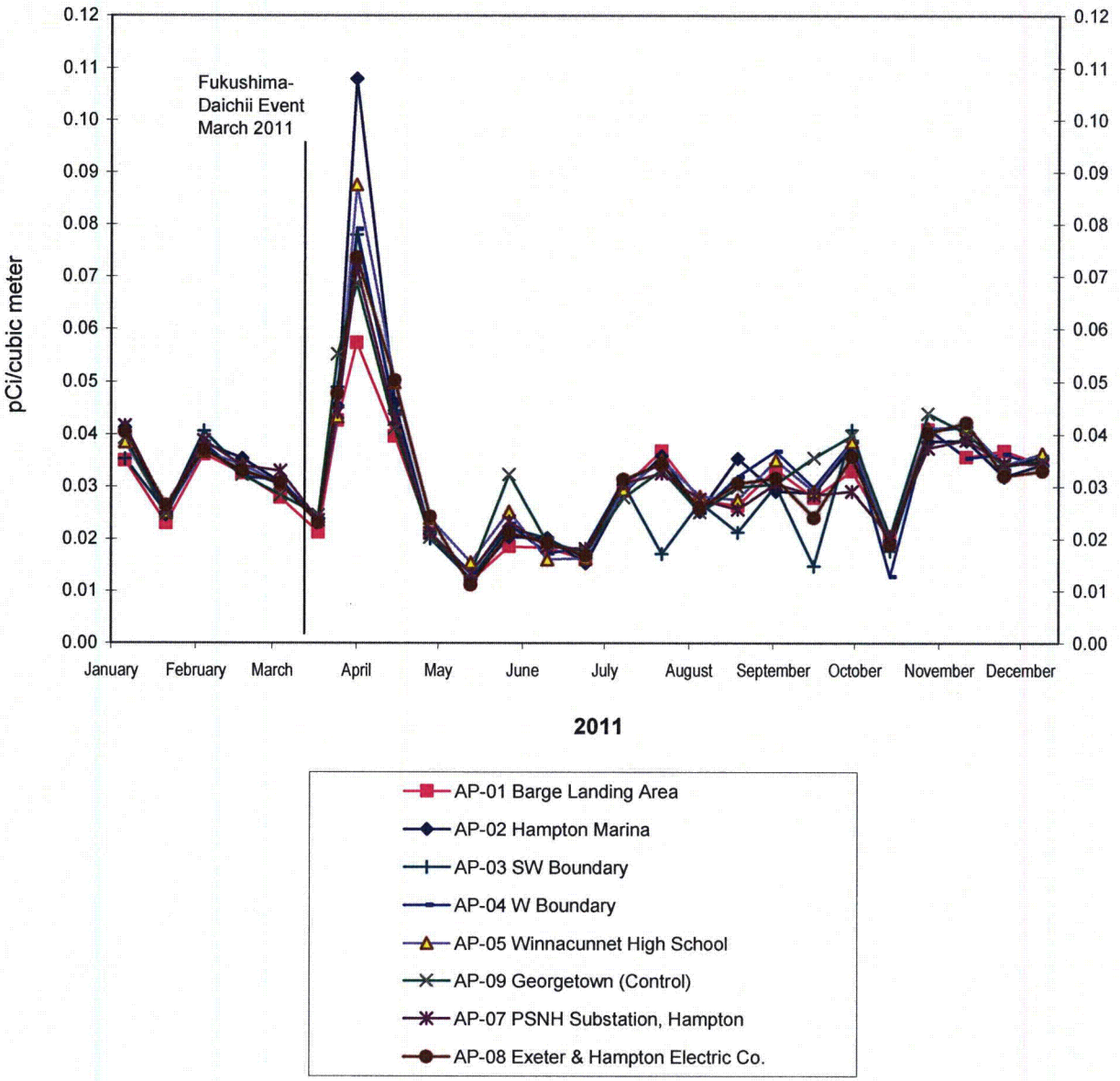


FIGURE 3.1.1

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

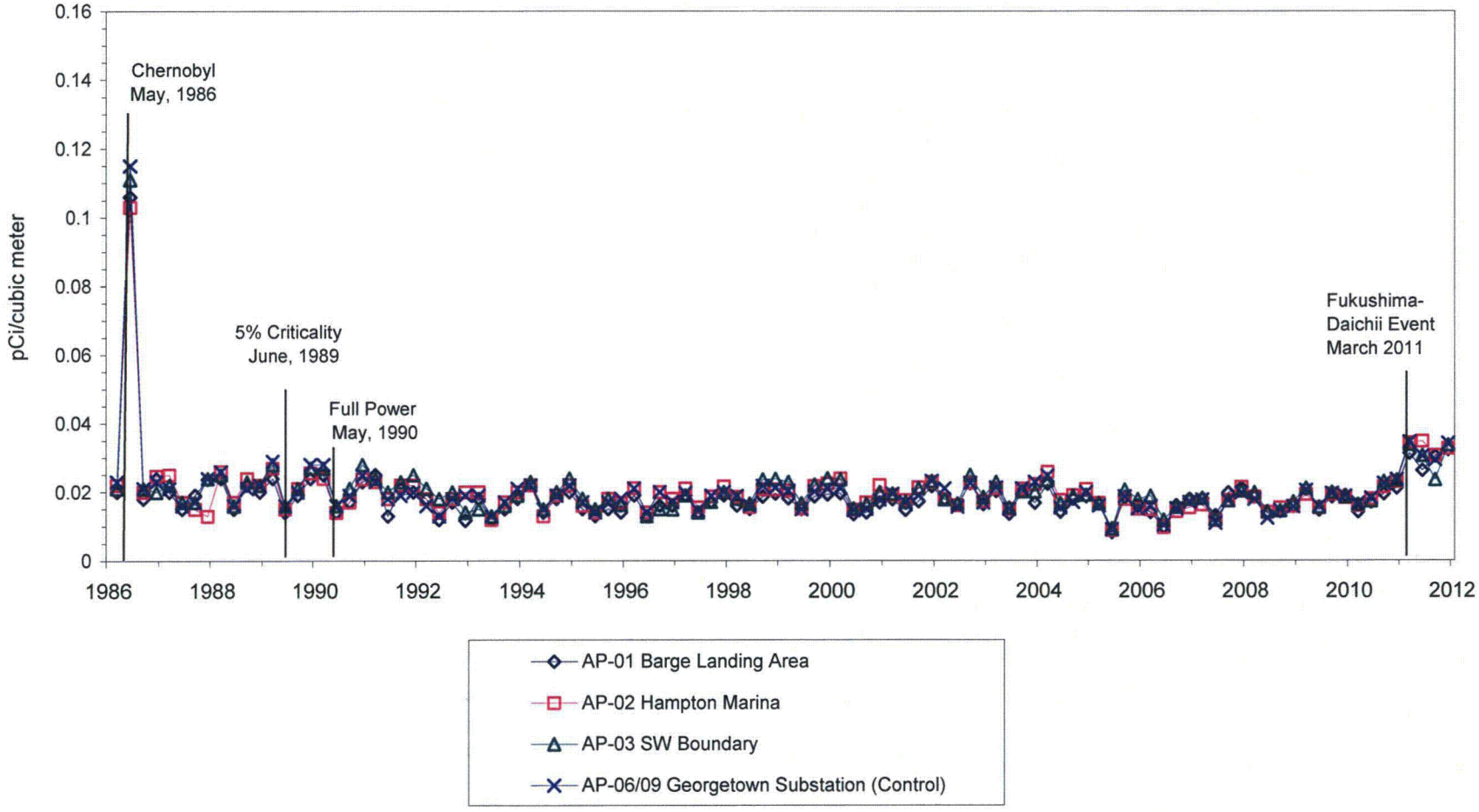


FIGURE 3.1.2

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

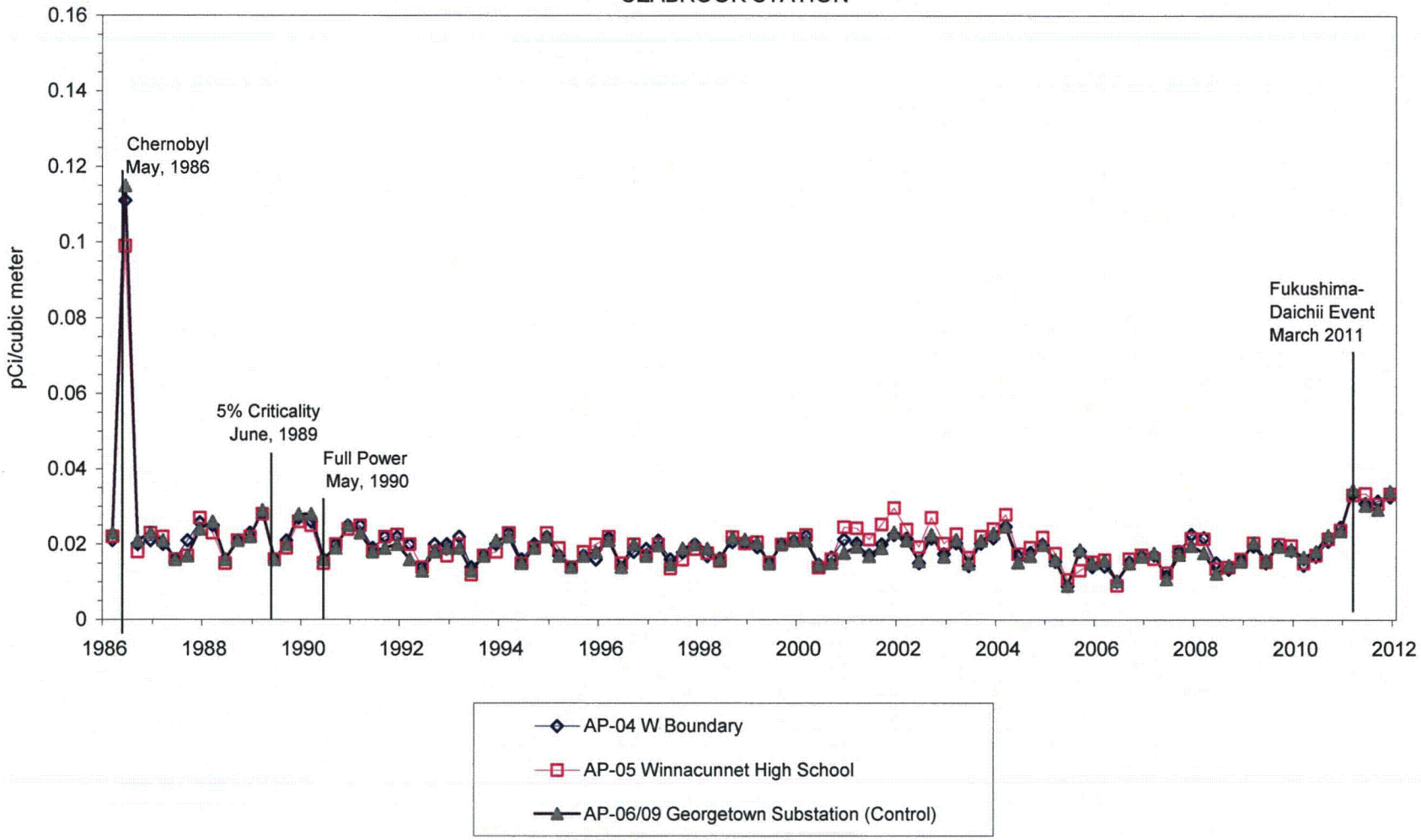


FIGURE 3.1.3

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

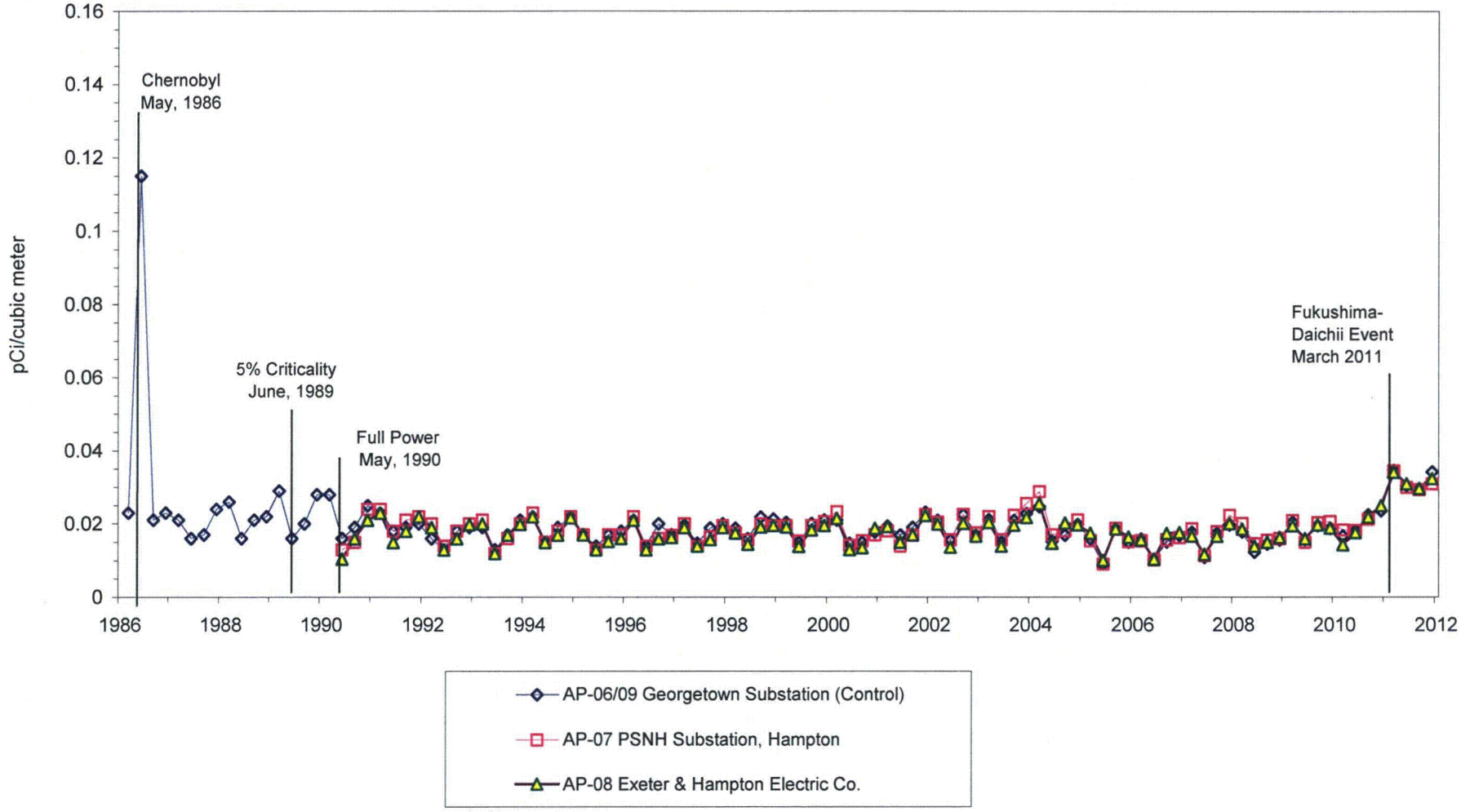


FIGURE 3.1.4

GROSS-BETA ON AIR PARTICULATE FILTERS
QUARTERLY AVERAGES
SEABROOK STATION

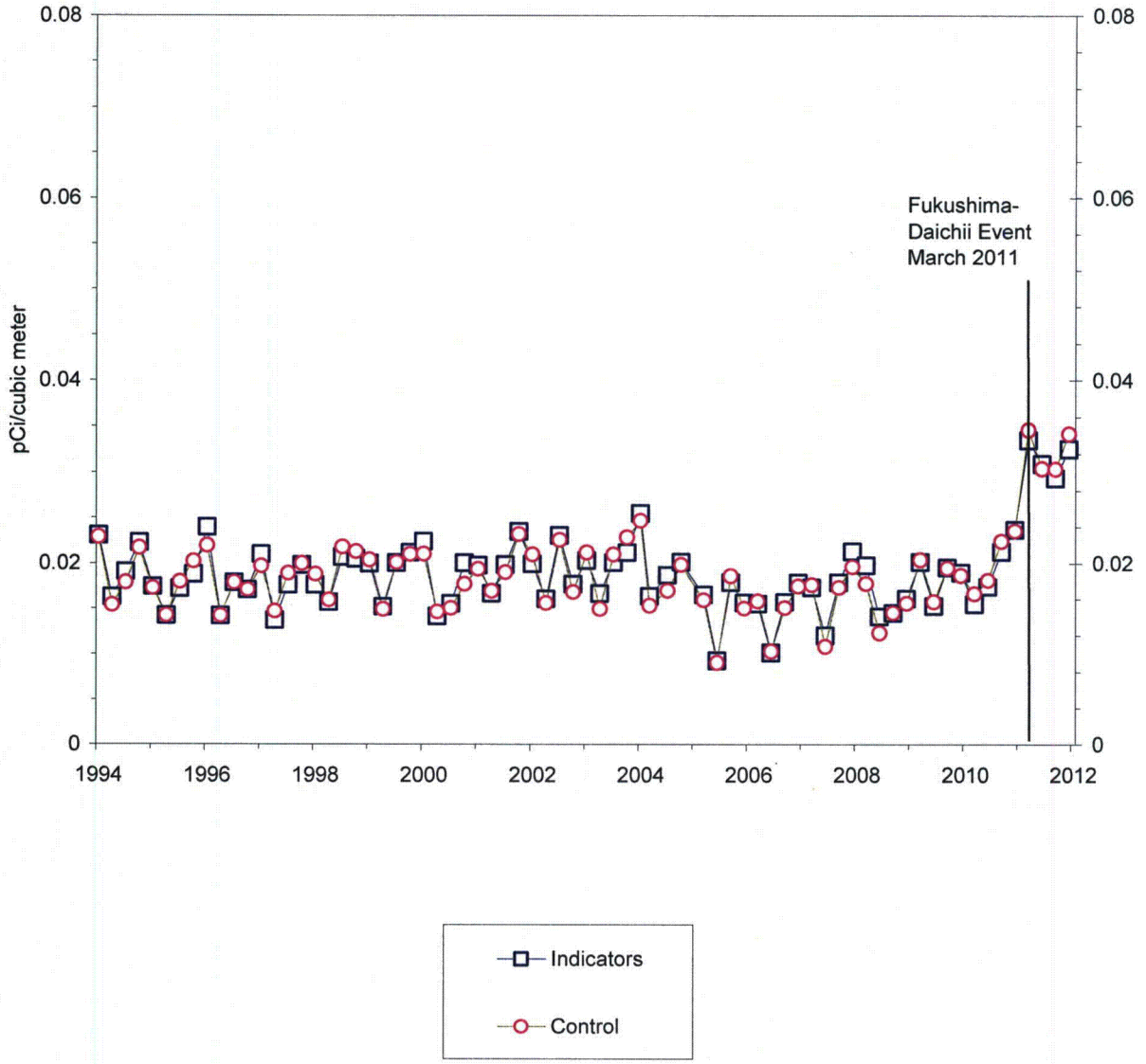


Table 3.1-1

Radiological Environmental Monitoring Program Summary
Seabrook Nuclear Power Station, Seabrook, NH
(January - December 2011)

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**)
BETA	(217)	0.01	3.2E -2	02	3.3E -2	3.2E -2
	(0)		(1.1 - 10.8)E -2 (189/ 189)		(1.2 - 10.8)E -2 (27/ 27)	(1.3 - 6.9)E -2 (28/ 28)
Be-7	(34)		1.5E -1	04	3.8E -1	1.0E -1
	(0)		(8.0 - 116.0)E -2 (30/ 30)		(1.1 - 11.6)E -1 (4/ 4)	(9.6 - 10.8)E -2 (4/ 4)
Cr-51	(34)		-1.2E -2	08	4.6E -4	-2.7E -3
	(0)		(-1.2 - 0.4)E -1 (0/ 30)		(-1.6 - 1.8)E -2 (0/ 4)	(-9.3 - 5.8)E -3 (0/ 4)
Mn-54	(34)		-1.3E -4	07	1.5E -4	2.5E -5
	(0)		(-2.1 - 0.7)E -3 (0/ 30)		(-2.6 - 6.7)E -4 (0/ 4)	(-1.2 - 1.0)E -4 (0/ 4)
Co-57	(34)		8.6E -5	02	3.4E -4	3.5E -5
	(0)		(-8.0 - 160.0)E -5 (0/ 30)		(-4.0 - 160.0)E -5 (0/ 5)	(-1.0 - 1.4)E -4 (0/ 4)
Co-58	(34)		-4.1E -4	03	2.3E -4	-1.7E -4
	(0)		(-5.9 - 0.9)E -3 (0/ 30)		(-1.1 - 8.9)E -4 (0/ 4)	(-6.9 - 1.6)E -4 (0/ 4)
Fe-59	(34)		1.9E -4	07	1.4E -3	-5.5E -4
	(0)		(-2.7 - 4.1)E -3 (0/ 30)		(-6.0 - 407.0)E -5 (0/ 4)	(-9.0 - -1.4)E -4 (0/ 4)
Co-60	(34)		0.0E 0	04	3.9E -4	-6.5E -5
	(0)		(-2.0 - 1.7)E -3 (0/ 30)		(-1.3 - 17.3)E -4 (0/ 4)	(-2.0 - 0.0)E -4 (0/ 4)
Zn-65	(34)		-1.4E -4	02	2.3E -4	-2.5E -4
	(0)		(-5.2 - 0.8)E -3 (0/ 30)		(-2.2 - 6.7)E -4 (0/ 5)	(-3.9 - -1.5)E -4 (0/ 4)
Se-75	(34)		8.9E -5	04	6.0E -4	8.0E -5
	(0)		(-1.1 - 2.2)E -3 (0/ 30)		(-1.1 - 18.6)E -4 (0/ 4)	(-1.8 - 3.5)E -4 (0/ 4)
Nb-95	(34)		-2.0E -4	03	2.2E -4	7.0E -5
	(0)		(-5.1 - 1.0)E -3 (0/ 30)		(-4.0 - 9.9)E -4 (0/ 4)	(-9.0 - 19.0)E -5 (0/ 4)
Zr-95	(34)		-4.6E -4	01	3.1E -4	-1.9E -4
	(0)		(-1.7 - 0.2)E -2 (0/ 30)		(-4.4 - 15.7)E -4 (0/ 4)	(-5.9 - 2.3)E -4 (0/ 4)
Ru-103	(34)		-1.4E -4	07	3.9E -4	-9.8E -5
	(0)		(-2.2 - 1.7)E -3 (0/ 30)		(-4.2 - 15.6)E -4 (0/ 4)	(-9.7 - 11.0)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. > MDC 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 2011)

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**)
Ru-106	(34)		-3.9E -4	03	1.4E -3	2.9E -4
	(0)		(-1.4 - 0.3)E -2 (0/ 30)		(1.7 - 28.1)E -4 (0/ 4)	(-1.3 - 1.5)E -3 (0/ 4)
Ag-108m	(34)		-1.3E -4	03	5.3E -5	-3.0E -5
	(0)		(-2.8 - 0.2)E -3 (0/ 30)		(-4.0 - 22.0)E -5 (0/ 4)	(-8.0 - 1.0)E -5 (0/ 4)
Ag-110m	(34)		1.4E -4	04	7.1E -4	-2.5E -5
	(0)		(-4.2 - 31.4)E -4 (0/ 30)		(-3.2 - 31.4)E -4 (0/ 4)	(-2.0 - 1.2)E -4 (0/ 4)
Sb-124	(34)		-1.0E -3	09	8.0E -4	8.0E -4
	(0)		(-2.9 - 0.3)E -2 (0/ 30)		(-1.3 - 2.6)E -3 (0/ 4)	(-1.3 - 2.6)E -3 (0/ 4)
Sb-125	(34)		-6.8E -5	02	8.0E -4	0.0E 0
	(0)		(-3.5 - 5.2)E -3 (0/ 30)		(-7.1 - 52.4)E -4 (0/ 5)	(-5.5 - 4.9)E -4 (0/ 4)
I-131	(34)		2.0E -1	04	2.2E 0	-4.3E -1
	(0)		(-2.1 - 8.5)E 0 (0/ 30)		(-1.1 - 85.4)E -1 (0/ 4)	(-1.4 - 0.3)E 0 (0/ 4)
Cs-134	(34)	0.05	1.0E -3	02	2.7E -3	5.7E -4
	(0)		(-2.3 - 119.0)E -4 (2/ 30)		(-1.2 - 119.0)E -4 (1/ 5)	(-9.0 - 196.0)E -5 (0/ 4)
Cs-137	(34)	0.06	1.6E -3	04	3.6E -3	3.5E -4
	(0)		(-3.2 - 156.0)E -4 (7/ 30)		(-3.0 - 1430.0)E -5 (1/ 4)	(2.0 - 123.0)E -5 (1/ 4)
Ba-140	(34)		5.0E -2	04	3.4E -1	2.3E -2
	(0)		(-4.5 - 135.0)E -2 (0/ 30)		(-1.1 - 135.0)E -2 (0/ 4)	(1.3 - 3.7)E -2 (0/ 4)
La-140	(34)		5.0E -2	04	3.4E -1	2.3E -2
	(0)		(-4.5 - 135.0)E -2 (0/ 30)		(-1.1 - 135.0)E -2 (0/ 4)	(1.3 - 3.7)E -2 (0/ 4)
Ce-141	(34)		9.4E -4	04	4.6E -3	5.2E -4
	(0)		(-2.9 - 22.2)E -3 (0/ 30)		(-1.7 - 22.2)E -3 (0/ 4)	(-6.6 - 23.3)E -4 (0/ 4)
Ce-144	(34)		6.7E -4	04	2.7E -3	4.8E -4
	(0)		(-1.3 - 11.4)E -3 (0/ 30)		(-7.1 - 114.0)E -4 (0/ 4)	(-4.5 - 14.6)E -4 (0/ 4)
Ac-228	(34)		-4.5E -4	03	8.3E -4	7.0E -4
	(0)		(-1.1 - 0.2)E -2 (0/ 30)		(-3.0 - 177.0)E -5 (0/ 4)	(-2.5 - 15.0)E -4 (0/ 4)
Th-228	(34)		3.4E -4	02	6.1E -4	2.5E -4
	(0)		(-3.4 - 24.2)E -4 (0/ 30)		(-1.0 - 24.2)E -4 (0/ 5)	(0.0 - 5.0)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. > MDC 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 or lower.

During 2011, a total of 217 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 2011, though individual stations were run for weekly cycles during parts of March and April when higher than normal gross beta in air was detected following the Fukushima Daiichi accident in Japan. Other conditions, such as observed high differential pressure across the associated particulate filter (none detected in 2011) which might be indicative of excessive dust loading, could prompt switching to a temporary weekly cycle (see Section 3.1).

In 2011, a total of 21 sample analyses indicated detectable levels for I-131 that was statistically significant (positive). Positive I-131 was detected in charcoal filters for sampling periods ending March 30 (weekly cycle) at 6 of the 8 air sampling locations, and for the weekly period ending April 6 at all 8 sampling stations. Iodine-131 was also detected in 7 of 8 locations for the two week cycle period ending April 20. Positive I-131 was detected at the control sampling location CF-09 as well as all the indicating station indicating the observed activity was regional in nature and not from Seabrook Station. Figure 3.2 shows the I-131 measurement responses in 2011 for all air sampling stations. Section 3.14 provides a detailed review of positive measurements of I-131 in air as well as other fission product related radioactivity detected in other environmental media during this same time period. The combined assessment of detected radioactivity concludes that the source is fallout from the Fukushima Daiicha accident which began in Japan on March 11, 2011 following the earthquake and tsunami.

From initial criticality in June 1989 to the Fukushima Daiichi accident in March 2011, the Seabrook REMP program had not detected radio-iodine at any offsite air sample locations. The pre-operational data for I-131 are consistent with present data with the exception of the March – April Fukushima Daiichi spikes. Therefore, no increasing or decreasing trends related to Seabrook Station operations 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 2011)

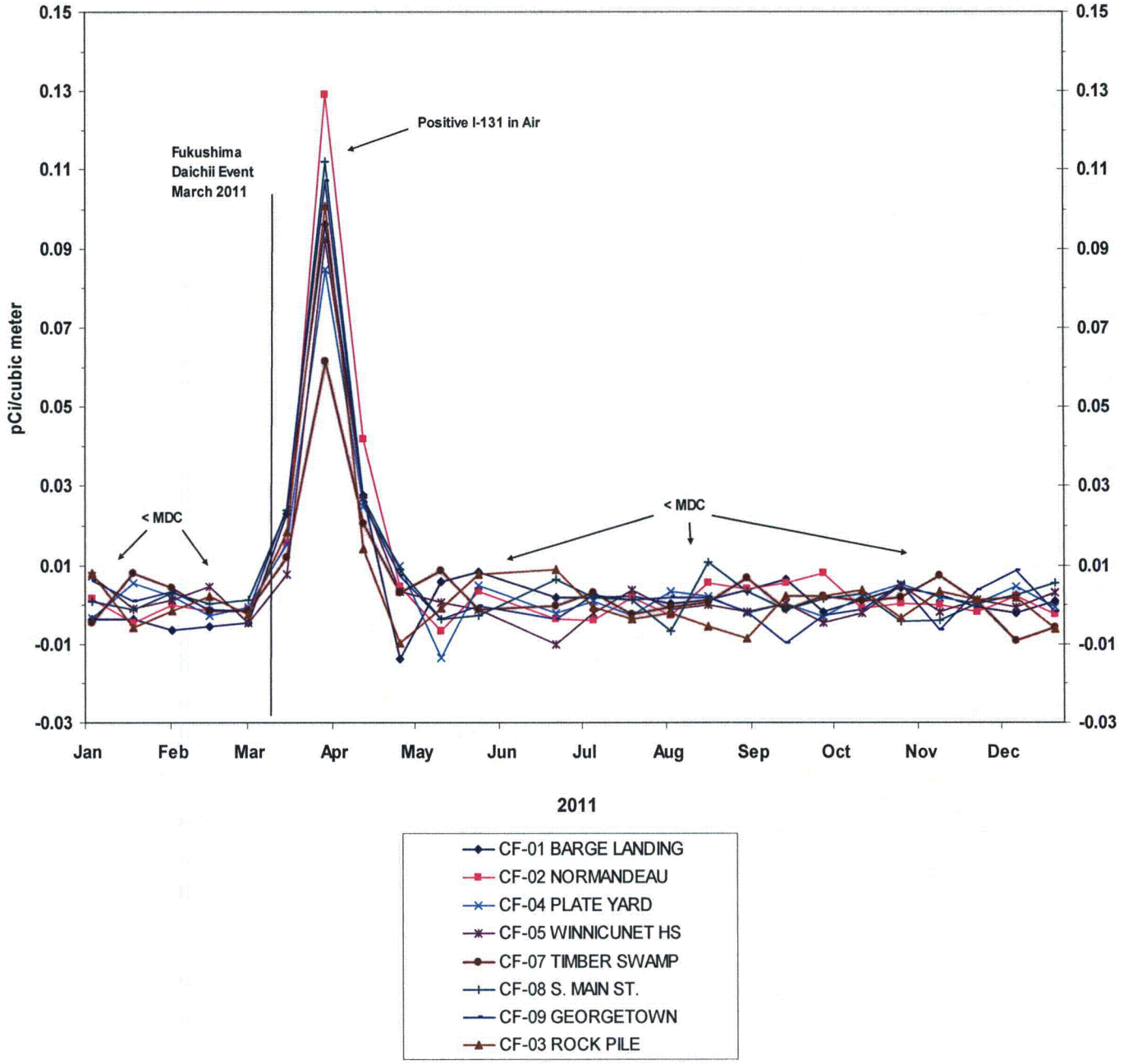
MEDIUM: Charcoal Cartridge (CF) UNITS: pCi/cubic meter

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	(217)	0.07	7.1E -3	02	9.5E -3	6.8E -3
	(0)		(-1.4 - 12.9)E -2		(-6.6 - 129.0)E -3	(-9.8 - 107.0)E -3
			(19/ 189)		(3/ 27)	(2/ 28)

* 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. > MDC with no uncertain identification) is shown in parentheses.

FIGURE 3.2

I-131 MEASUREMENTS OF AIR CHARCOAL CARTRIDGES



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 2011 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 one new milk (goat) location within 5 km, but had insufficient availability of milk supply to allow its 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, NNE, 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. Eight samples were collected over 5 months in 2011 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 27 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 2011. Also detected in 21 milk samples was Cs-137 at an average concentration of 6.86 pCi/kg (positive measurements only) which falls in the range of past and pre-operational measurements. Location TM-15 was observed with the highest single Cs-137 analysis result in 2011 of 13.0 pCi/kg (down from 2010 peak of 19.4 pCi/kg). The source of positive Cs-137 in other media was attributed to fallout from the Fukushima Daiicha accident which began in Japan on March 11, 2011 following the earthquake and tsunami. Though the Fukushima Daiichi event may well have contributed to the Cs-137 levels observed in milk in 2011, Cesium has historically been detected at similar levels in milk before the nuclear accident in Japan. Residual Cs-137 from past weapons testing fallout has been the major contributor attributed to the current observed values in milk. There was no detectable Cs-137 reported in plant gaseous effluents during 2011, or recent past which supports the finding that Seabrook Station is not the source. 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 (2011) 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 in Section 3.14.

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 identifies any deviations in the sample measurement program, such as missed lower limits of detection (LLD) requirements.

FIGURE 3.3

CESIUM-137 IN MILK
SEABROOK STATION

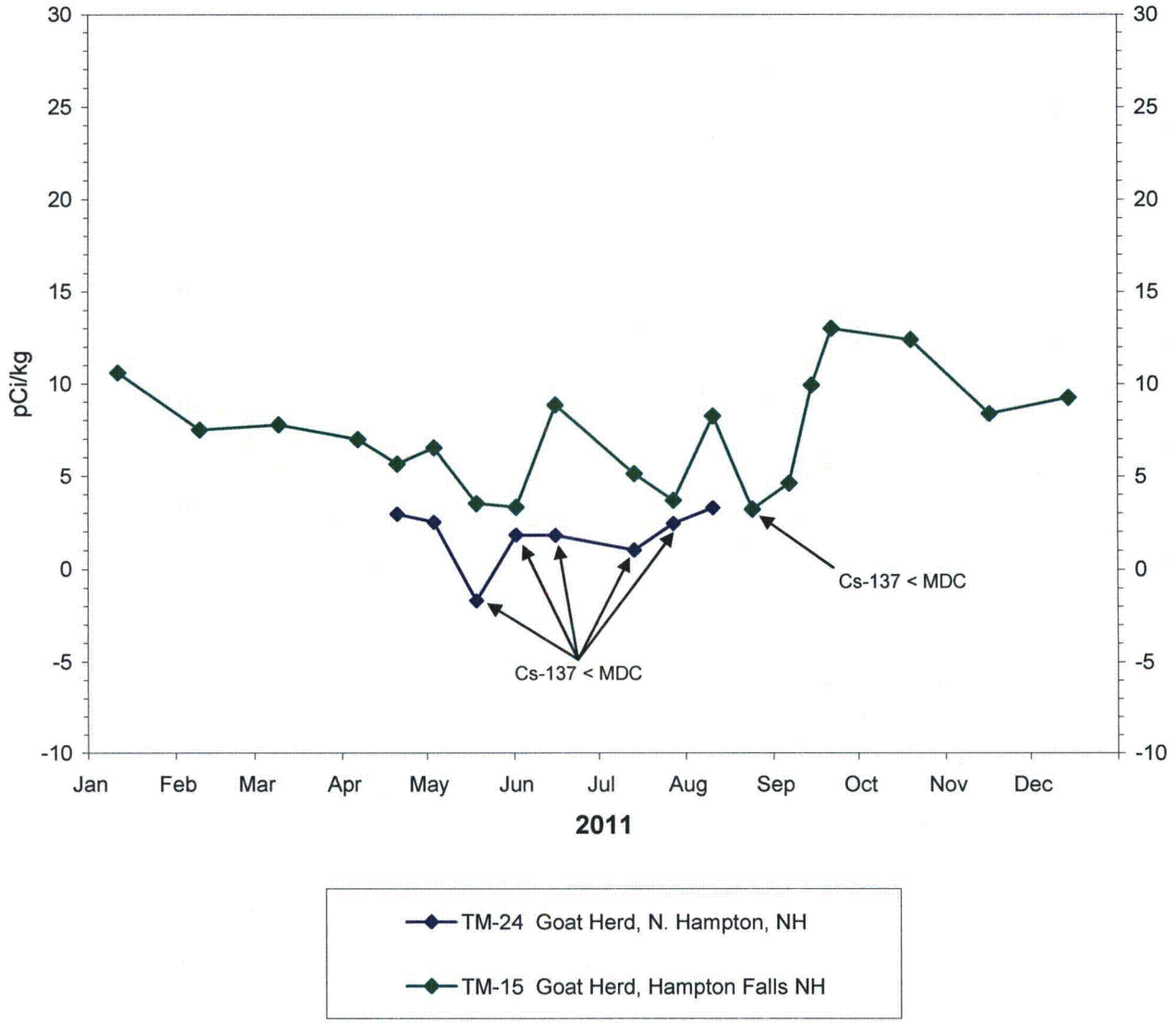


FIGURE 3.3.1

CESIUM-137 IN MILK
ANNUAL AVERAGE CONCENTRATIONS

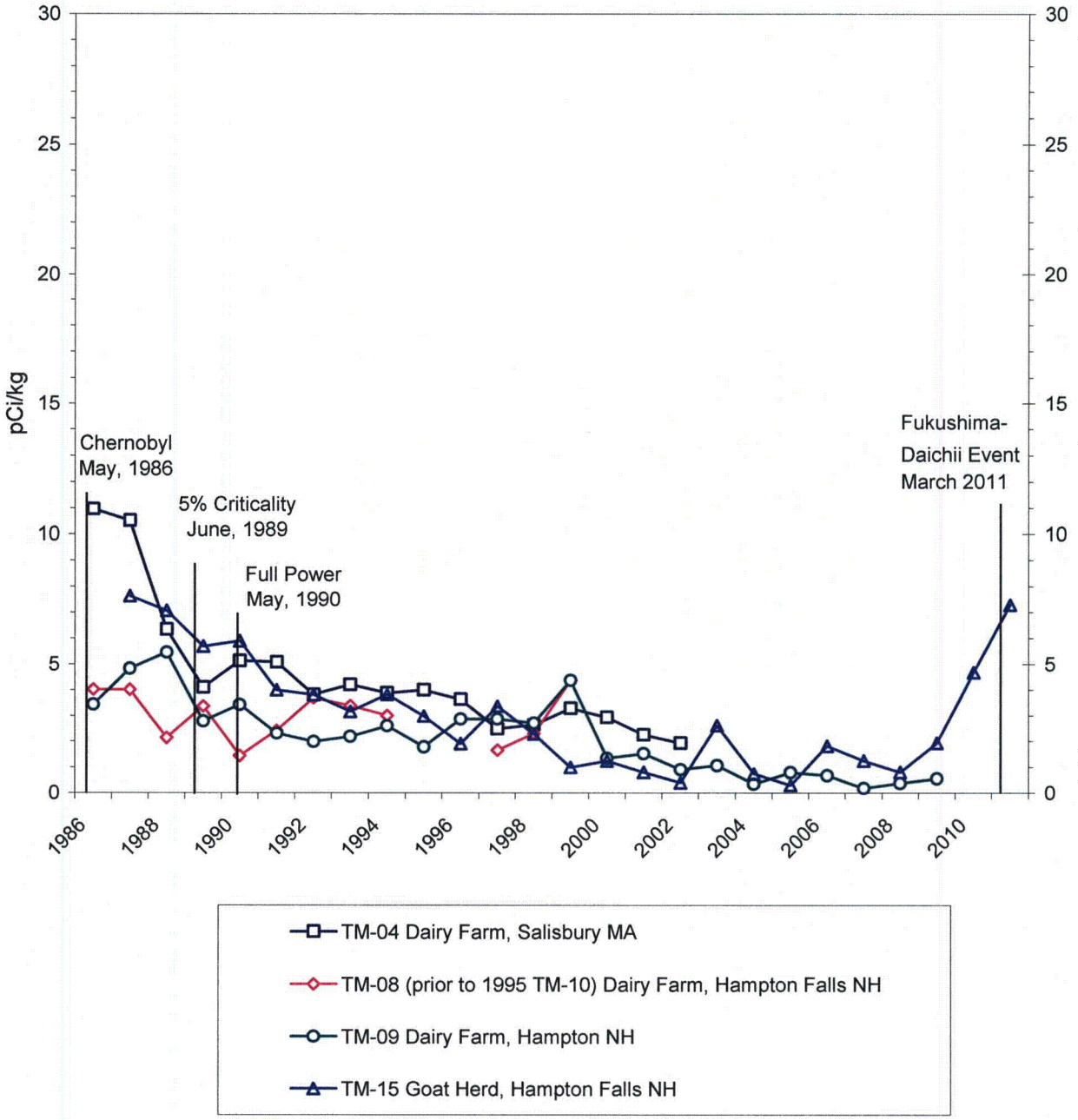


FIGURE 3.3.2

CESIUM-137 IN MILK
ANNUAL AVERAGE CONCENTRATIONS

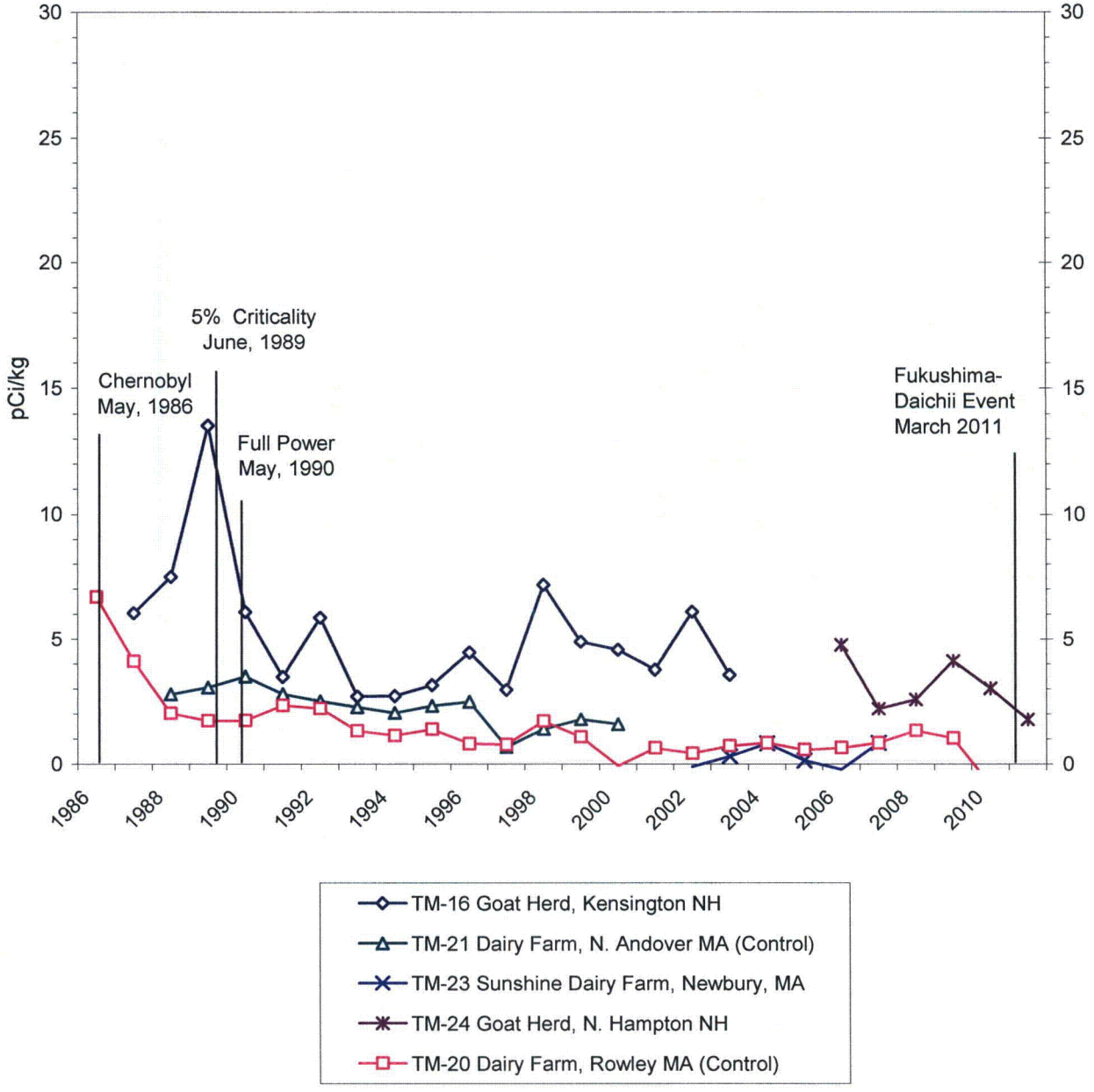


Table 3.3-1
Radiological Environmental Monitoring Program Summary
Seabrook Nuclear Power Station, Seabrook, NH
(January - December 2011)

MEDIUM: Milk (TM) 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 (27) (0)		-2.0E 0 (-1.4 - 1.4)E 1 (0/ 27)	15	-1.7E 0 (-1.4 - 1.4)E 1 (0/ 19)	NO DATA
K-40 (27) (0)		1.8E 3 (1.5 - 2.2)E 3 (27/ 27)	24	1.9E 3 (1.7 - 2.2)E 3 (8/ 8)	NO DATA
Cr-51 (27) (0)		-1.5E 0 (-1.2 - 0.8)E 1 (0/ 27)	24	-1.2E 0 (-1.2 - 0.6)E 1 (0/ 8)	NO DATA
Mn-54 (27) (0)		-4.0E -1 (-2.0 - 1.0)E 0 (0/ 27)	15	-2.5E -1 (-2.0 - 1.0)E 0 (0/ 19)	NO DATA
Co-57 (27) (0)		-4.5E -2 (-1.6 - 1.9)E 0 (0/ 27)	24	1.8E -1 (-1.0 - 1.9)E 0 (0/ 8)	NO DATA
Co-58 (27) (0)		-1.0E -2 (-1.5 - 2.7)E 0 (0/ 27)	24	1.4E -1 (-1.2 - 2.7)E 0 (0/ 8)	NO DATA
Fe-59 (27) (0)		8.9E -1 (-1.9 - 6.7)E 0 (0/ 27)	15	1.0E 0 (-1.9 - 6.7)E 0 (0/ 19)	NO DATA
Co-60 (27) (0)		2.7E -2 (-1.4 - 1.4)E 0 (0/ 27)	15	6.8E -2 (-1.4 - 1.4)E 0 (0/ 19)	NO DATA
Zn-65 (27) (0)		-1.4E 0 (-5.0 - 1.9)E 0 (0/ 27)	24	-1.3E 0 (-3.0 - 1.9)E 0 (0/ 8)	NO DATA
Se-75 (27) (0)		1.6E -1 (-1.7 - 2.0)E 0 (0/ 27)	24	2.3E -1 (-9.2 - 9.2)E -1 (0/ 8)	NO DATA
Nb-95 (27) (0)		6.0E -1 (-5.2 - 24.9)E -1 (0/ 27)	24	6.0E -1 (-4.2 - 15.1)E -1 (0/ 8)	NO DATA
Zr-95 (27) (0)		-3.3E -1 (-3.4 - 3.0)E 0 (0/ 27)	24	-2.3E -1 (-1.9 - 0.9)E 0 (0/ 8)	NO DATA
Ru-103 (27) (0)		-7.2E -1 (-2.2 - 1.2)E 0 (0/ 27)	15	-6.8E -1 (-2.2 - 0.8)E 0 (0/ 19)	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. > MDC 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 2011)

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 (27) (0)		8.4E -1 (-9.8 - 13.7)E 0 (0/ 27)	24	3.7E 0 (-8.6 - 13.7)E 0 (0/ 8)	NO DATA
Ag-108m (27) (0)		-3.8E -1 (-2.5 - 0.8)E 0 (0/ 27)	15	-2.8E -1 (-1.6 - 0.8)E 0 (0/ 19)	NO DATA
Ag-110m (27) (0)		-1.1E -1 (-1.0 - 0.5)E 1 (0/ 27)	15	5.2E -1 (-1.2 - 4.7)E 0 (0/ 19)	NO DATA
Sb-124 (27) (0)		-9.8E -2 (-2.8 - 2.5)E 0 (0/ 27)	15	7.7E -3 (-2.8 - 2.5)E 0 (0/ 19)	NO DATA
Sb-125 (27) (0)		-2.0E -1 (-3.8 - 3.3)E 0 (0/ 27)	24	5.0E -1 (-1.7 - 3.3)E 0 (0/ 8)	NO DATA
I-131 (27) (0)	1	7.9E -2 (-4.6 - 8.3)E -1 (0/ 27)	15	1.2E -1 (-2.9 - 8.3)E -1 (0/ 19)	NO DATA
Cs-134 (27) (0)	15	1.4E -1 (-1.8 - 2.1)E 0 (0/ 27)	24	5.9E -1 (-9.1 - 20.5)E -1 (0/ 8)	NO DATA
Cs-137 (27) (0)	18	5.7E 0 (-1.7 - 13.0)E 0 (21/ 27)	15	7.3E 0 (3.2 - 13.0)E 0 (18/ 19)	NO DATA
Ba-140 (27) (0)	15	-3.1E -1 (-2.5 - 1.5)E 0 (0/ 27)	24	4.7E -2 (-1.5 - 1.5)E 0 (0/ 8)	NO DATA
La-140 (27) (0)		-3.1E -1 (-2.5 - 1.5)E 0 (0/ 27)	24	4.7E -2 (-1.5 - 1.5)E 0 (0/ 8)	NO DATA
Ce-141 (27) (0)		-1.1E 0 (-8.7 - 2.6)E 0 (0/ 27)	24	-2.1E -2 (-4.6 - 2.6)E 0 (0/ 8)	NO DATA
Ce-144 (27) (0)		1.3E -1 (-9.3 - 13.9)E 0 (0/ 27)	15	8.7E -1 (-8.7 - 13.9)E 0 (0/ 19)	NO DATA
Ac-228 (26) (0)		8.9E -2 (-7.7 - 7.0)E 0 (0/ 26)	24	2.8E 0 (-1.1 - 6.7)E 0 (0/ 8)	NO DATA
Th-228 (27) (0)		9.5E -1 (-3.5 - 8.0)E 0 (0/ 27)	15	1.2E 0 (-3.5 - 8.0)E 0 (0/ 19)	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. > MDC 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 2011, a total of 28 gamma analyses were performed on surface water samples. The only radionuclide detected in 2011 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 2011, 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 samples 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 476 pCi/kg, while the marsh area samples from WS-02 had an average MDC of 427 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 2011)

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**)
H-3 (10)	3000	2.3E 1	51	2.0E 2	2.0E 2
(0)		(-1.1 - 2.7)E 2 (0/ 6)		(0.0 - 3.1)E 2 (0/ 4)	(0.0 - 3.1)E 2 (0/ 4)
Be-7 (28)		9.5E -1	02	3.7E 0	-9.0E -1
(0)		(-5.6 - 7.1)E 0 (0/ 15)		(3.9 - 70.8)E -1 (0/ 2)	(-8.6 - 12.2)E 0 (0/ 13)
K-40 (28)		3.0E 2	01	3.2E 2	3.0E 2
(0)		(1.5 - 3.6)E 2 (15/ 15)		(2.6 - 3.6)E 2 (13/ 13)	(1.9 - 3.5)E 2 (13/ 13)
Cr-51 (28)		5.1E -1	51	2.3E 0	2.3E 0
(0)		(-1.0 - 1.3)E 1 (0/ 15)		(-6.2 - 16.2)E 0 (0/ 13)	(-6.2 - 16.2)E 0 (0/ 13)
Mn-54 (28)	15	-2.6E -1	51	-1.1E -2	-1.1E -2
(0)		(-1.1 - 0.9)E 0 (0/ 15)		(-1.4 - 1.0)E 0 (0/ 13)	(-1.4 - 1.0)E 0 (0/ 13)
Co-57 (28)		-1.5E -1	02	-4.8E -2	-3.0E -1
(0)		(-1.2 - 1.2)E 0 (0/ 15)		(-5.6 - -4.1)E -2 (0/ 2)	(-1.1 - 0.5)E 0 (0/ 13)
Co-58 (28)	15	-4.5E -1	02	-1.9E -1	-2.2E -1
(0)		(-4.1 - 0.7)E 0 (0/ 15)		(-2.4 - -1.4)E -1 (0/ 2)	(-2.3 - 0.9)E 0 (0/ 13)
Fe-59 (28)	30	3.5E -1	02	1.5E 0	1.7E -1
(0)		(-1.5 - 3.1)E 0 (0/ 15)		(-3.5 - 3070.0)E -3 (0/ 2)	(-2.3 - 5.5)E 0 (0/ 13)
Co-60 (28)	15	2.6E -1	02	5.2E -1	5.6E -2
(0)		(-9.9 - 11.8)E -1 (0/ 15)		(2.0 - 8.5)E -1 (0/ 2)	(-1.3 - 0.8)E 0 (0/ 13)
Zn-65 (28)	30	-7.1E -1	01	-5.9E -1	-2.1E 0
(0)		(-3.2 - 1.8)E 0 (0/ 15)		(-3.2 - 1.8)E 0 (0/ 13)	(-6.9 - 1.4)E 0 (0/ 13)
Se-75 (28)		-2.0E -2	01	1.0E -1	1.5E -2
(0)		(-1.4 - 1.9)E 0 (0/ 15)		(-1.4 - 1.9)E 0 (0/ 13)	(-1.7 - 1.2)E 0 (0/ 13)
Nb-95 (28)		2.8E -1	51	4.7E -1	4.7E -1
(0)		(-7.1 - 10.6)E -1 (0/ 15)		(-1.2 - 1.2)E 0 (0/ 13)	(-1.2 - 1.2)E 0 (0/ 13)
Zr-95 (28)	15	2.5E -1	51	6.4E -1	6.4E -1
(0)		(-1.5 - 2.6)E 0 (0/ 15)		(-1.5 - 4.8)E 0 (0/ 13)	(-1.5 - 4.8)E 0 (0/ 13)

* 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. > MDC 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 2011)

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**)
Ru-103	(28)		-9.7E -1	02	-5.0E -1	-6.7E -1
	(0)		(-2.1 - 0.4)E 0		(-1.4 - 0.4)E 0	(-3.0 - 1.3)E 0
			(0/ 15)		(0/ 2)	(0/ 13)
Ru-106	(28)		-3.0E -1	51	1.2E 0	1.2E 0
	(0)		(-1.2 - 0.8)E 1		(-1.1 - 1.2)E 1	(-1.1 - 1.2)E 1
			(0/ 15)		(0/ 13)	(0/ 13)
Ag-108m	(28)		-7.8E -2	51	-1.7E -2	-1.7E -2
	(0)		(-1.1 - 0.7)E 0		(-8.3 - 6.9)E -1	(-8.3 - 6.9)E -1
			(0/ 15)		(0/ 13)	(0/ 13)
Ag-110m	(28)		-1.1E 0	51	-5.2E -1	-5.2E -1
	(0)		(-8.3 - 0.5)E 0		(-1.8 - 0.4)E 0	(-1.8 - 0.4)E 0
			(0/ 15)		(0/ 13)	(0/ 13)
Sb-124	(28)		3.6E -1	01	4.1E -1	-9.4E -2
	(0)		(-1.7 - 3.2)E 0		(-1.7 - 3.2)E 0	(-1.5 - 2.9)E 0
			(0/ 15)		(0/ 13)	(0/ 13)
Sb-125	(28)		-3.5E -1	01	-2.6E -1	-8.6E -1
	(0)		(-2.3 - 3.1)E 0		(-2.3 - 3.1)E 0	(-3.4 - 3.6)E 0
			(0/ 15)		(0/ 13)	(0/ 13)
I-131	(28)	15	5.1E -1	01	6.9E -1	4.8E -1
	(0)		(-5.7 - 3.2)E 0		(-5.7 - 3.2)E 0	(-3.9 - 6.5)E 0
			(0/ 15)		(0/ 13)	(0/ 13)
Cs-134	(28)	15	-1.1E -1	51	3.2E -1	3.2E -1
	(0)		(-1.4 - 1.1)E 0		(-9.0 - 11.3)E -1	(-9.0 - 11.3)E -1
			(0/ 15)		(0/ 13)	(0/ 13)
Cs-137	(28)	18	2.7E -1	01	3.0E -1	1.7E -1
	(0)		(-2.7 - 1.8)E 0		(-2.7 - 1.8)E 0	(-9.0 - 23.6)E -1
			(0/ 15)		(0/ 13)	(0/ 13)
Ba-140	(28)	15	-1.7E -1	02	1.4E -1	-2.0E -1
	(0)		(-2.3 - 2.0)E 0		(-9.9 - 12.8)E -1	(-1.9 - 1.1)E 0
			(0/ 15)		(0/ 2)	(0/ 13)
La-140	(28)		-1.7E -1	02	1.4E -1	-2.0E -1
	(0)		(-2.3 - 2.0)E 0		(-9.9 - 12.8)E -1	(-1.9 - 1.1)E 0
			(0/ 15)		(0/ 2)	(0/ 13)
Ce-141	(28)		9.3E -1	01	1.2E 0	-3.2E -1
	(0)		(-1.7 - 4.6)E 0		(-9.7 - 45.8)E -1	(-6.1 - 5.0)E 0
			(0/ 15)		(0/ 13)	(0/ 13)
Ce-144	(28)		1.7E 0	02	2.0E 0	-2.1E 0
	(0)		(-9.3 - 7.9)E 0		(-3.7 - 43.8)E -1	(-9.7 - 3.6)E 0
			(0/ 15)		(0/ 2)	(0/ 13)

* 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. > MDC 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 2011)

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 (28) (0)		8.3E -1 (-2.8 - 3.9)E 0 (0/ 15)	02	2.8E 0 (2.4 - 3.2)E 0 (0/ 2)	3.3E -1 (-3.7 - 5.7)E 0 (0/ 13)
Bi-214 (28) (0)		2.1E 0 (-2.2 - 10.7)E 0 (0/ 15)	02	2.5E 0 (2.0 - 3.1)E 0 (0/ 2)	2.5E 0 (-3.8 - 10.5)E 0 (0/ 13)
Pb-214 (28) (0)		1.2E -1 (-5.0 - 4.9)E 0 (0/ 15)	02	2.3E 0 (2.0 - 2.6)E 0 (0/ 2)	1.9E 0 (-2.1 - 9.3)E 0 (0/ 13)
Ac-228 (28) (0)		5.3E -4 (-6.6 - 9.0)E 0 (0/ 15)	02	7.2E 0 (5.4 - 9.0)E 0 (0/ 2)	7.7E -1 (-7.9 - 7.0)E 0 (0/ 13)
Th-228 (28) (0)		8.3E -1 (-2.8 - 3.9)E 0 (0/ 15)	02	2.8E 0 (2.4 - 3.2)E 0 (0/ 2)	3.3E -1 (-3.7 - 5.7)E 0 (0/ 13)

* 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. > MDC 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 2011, 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 five of the twelve samples due to naturally occurring radium and its daughter products. The gross beta activity seen at all three locations is consistent with results from previous years of commercial operations. Figures 3.5 and 3.5.1 indicate the current year (2011) 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. Table 3.5-1 identifies the results of the search for radionuclides of which two natural occurring were detected. The natural occurring radionuclides include K-40 (1 sample out of 12) and Pb-214 (6 samples out of 12) which is part of the Uranium-238 decay chain. No plant-related radionuclides were detected in any sample.

The dose potential to the public from drinking ground water 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

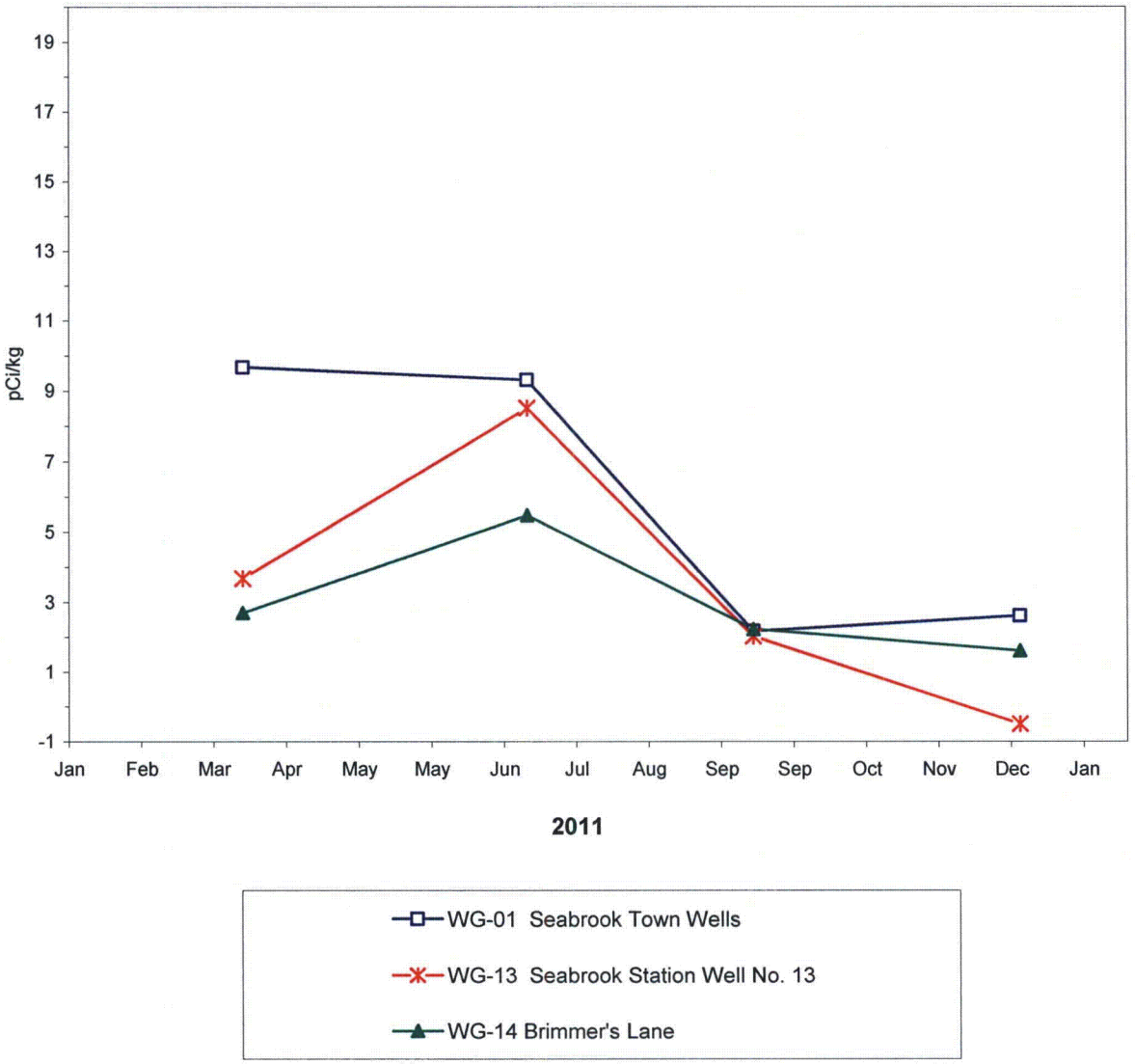


FIGURE 3.5.1

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

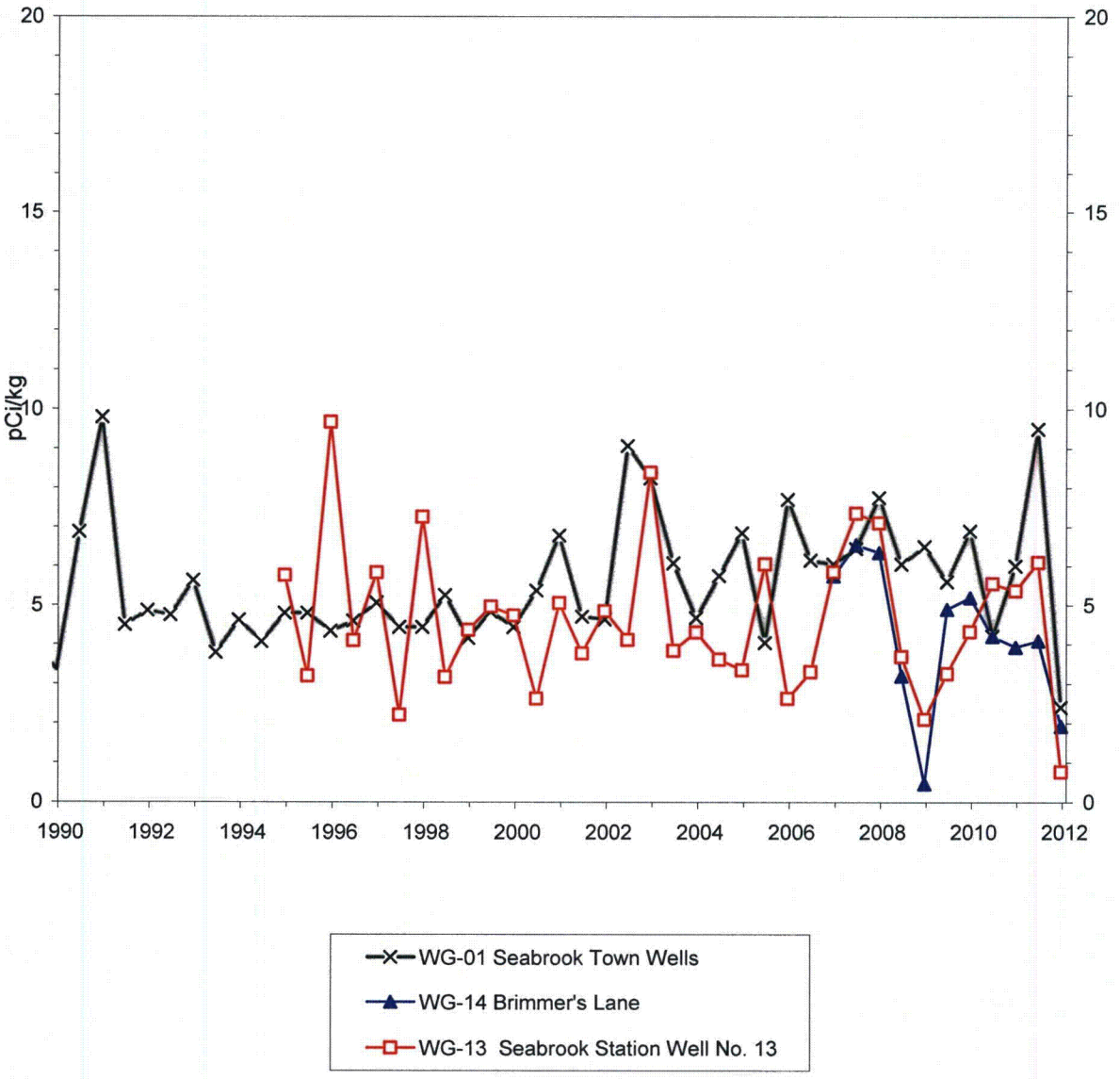


Table 3.5-1

Radiological Environmental Monitoring Program Summary
Seabrook Nuclear Power Station, Seabrook, NH
(January - December 2011)

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**)
BETA (12) (0)	4	4.1E 0 (-4.9 - 96.8)E -1 (5/ 12)	01	6.0E 0 (2.2 - 9.7)E 0 (2/ 4)	NO DATA
H-3 (12) (0)	3000	3.3E 1 (-2.3 - 2.9)E 2 (0/ 12)	13	1.7E 2 (2.4 - 28.5)E 1 (0/ 4)	NO DATA
Be-7 (12) (0)		-5.2E 0 (-1.7 - 0.4)E 1 (0/ 12)	01	-9.5E -1 (-4.3 - 4.0)E 0 (0/ 4)	NO DATA
K-40 (12) (0)		3.3E 0 (-3.3 - 39.0)E 0 (1/ 12)	13	9.6E 0 (-2.4 - 39.0)E 0 (1/ 4)	NO DATA
Cr-51 (12) (0)		2.5E 0 (-7.3 - 14.6)E 0 (0/ 12)	14	3.1E 0 (-4.4 - 14.6)E 0 (0/ 4)	NO DATA
Mn-54 (12) (0)	15	-3.2E -1 (-9.7 - 7.5)E -1 (0/ 12)	14	-9.9E -3 (-9.7 - 7.5)E -1 (0/ 4)	NO DATA
Co-57 (12) (0)		1.4E -1 (-1.8 - 1.3)E 0 (0/ 12)	01	4.6E -1 (-3.5 - 12.6)E -1 (0/ 4)	NO DATA
Co-58 (12) (0)	15	-3.8E -1 (-2.3 - 0.7)E 0 (0/ 12)	13	-1.1E -1 (-6.0 - 2.6)E -1 (0/ 4)	NO DATA
Fe-59 (12) (0)	30	3.8E -1 (-1.7 - 1.8)E 0 (0/ 12)	14	6.7E -1 (-9.5 - 17.2)E -1 (0/ 4)	NO DATA
Co-60 (12) (0)	15	2.3E -1 (-1.0 - 1.9)E 0 (0/ 12)	01	8.7E -1 (8.2 - 185.0)E -2 (0/ 4)	NO DATA
Zn-65 (12) (0)	30	-9.3E -1 (-2.9 - 0.9)E 0 (0/ 12)	14	-3.1E -1 (-2.8 - 0.9)E 0 (0/ 4)	NO DATA
Se-75 (12) (0)		2.7E -3 (-1.2 - 1.1)E 0 (0/ 12)	14	5.6E -1 (7.6 - 113.0)E -2 (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. > MDC 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 2011)

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**)
Nb-95	(12)		7.6E -1	14	2.6E 0	NO DATA
	(0)		(-2.1 - 7.7)E 0		(-2.5 - 76.5)E -1	
			(0/ 12)		(0/ 4)	
Zr-95	(12)	15	-7.9E -1	01	-4.4E -1	NO DATA
	(0)		(-3.2 - 1.2)E 0		(-2.1 - 0.8)E 0	
			(0/ 12)		(0/ 4)	
Ru-103	(12)		-1.7E -1	14	2.8E -1	NO DATA
	(0)		(-2.1 - 1.7)E 0		(-5.1 - 16.8)E -1	
			(0/ 12)		(0/ 4)	
Ru-106	(12)		-1.3E 0	01	-4.5E -1	NO DATA
	(0)		(-8.7 - 5.2)E 0		(-5.7 - 5.2)E 0	
			(0/ 12)		(0/ 4)	
Ag-108m	(12)		-4.0E -2	13	4.1E -1	NO DATA
	(0)		(-1.2 - 1.1)E 0		(2.5 - 108.0)E -2	
			(0/ 12)		(0/ 4)	
Ag-110m	(12)		-1.0E 0	01	-5.2E -1	NO DATA
	(0)		(-6.9 - 0.4)E 0		(-6.6 - -2.4)E -1	
			(0/ 12)		(0/ 4)	
Sb-124	(12)		5.8E -1	13	2.1E 0	NO DATA
	(0)		(-2.5 - 4.0)E 0		(9.7 - 40.3)E -1	
			(0/ 12)		(0/ 4)	
Sb-125	(12)		6.2E -1	14	1.0E 0	NO DATA
	(0)		(-1.9 - 4.1)E 0		(-2.4 - 253.0)E -2	
			(0/ 12)		(0/ 4)	
I-131	(12)	15	1.1E 0	14	1.5E 0	NO DATA
	(0)		(-1.5 - 4.4)E 0		(-1.9 - 44.4)E -1	
			(0/ 12)		(0/ 4)	
Cs-134	(12)	15	5.8E -1	01	8.2E -1	NO DATA
	(0)		(-5.3 - 16.7)E -1		(6.5 - 12.3)E -1	
			(0/ 12)		(0/ 4)	
Cs-137	(12)	18	-4.6E -1	01	5.1E -1	NO DATA
	(0)		(-4.8 - 1.8)E 0		(-1.7 - 18.2)E -1	
			(0/ 12)		(0/ 4)	
Ba-140	(12)	15	4.9E -1	13	1.2E 0	NO DATA
	(0)		(-1.9 - 2.1)E 0		(1.4 - 20.8)E -1	
			(0/ 12)		(0/ 4)	
La-140	(12)		4.9E -1	13	1.2E 0	NO DATA
	(0)		(-1.9 - 2.1)E 0		(1.4 - 20.8)E -1	
			(0/ 12)		(0/ 4)	
Ce-141	(12)		-4.0E -1	13	4.1E -1	NO DATA
	(0)		(-4.2 - 5.0)E 0		(-4.2 - 5.0)E 0	
			(0/ 12)		(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 3.5-1 (Continued)

Radiological Environmental Monitoring Program Summary

Seabrook Nuclear Power Station, Seabrook, NH

(January - December 2011)

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**)
Ce-144 (12) (0)		-2.6E -1 (-1.0 - 0.5)E 1 (0/ 12)	01	2.4E 0 (-1.6 - 54.5)E -1 (0/ 4)	NO DATA
Pb-212 (12) (0)		7.2E -1 (-2.1 - 3.2)E 0 (0/ 12)	01	1.3E 0 (-4.8 - 31.6)E -1 (0/ 4)	NO DATA
Bi-214 (12) (0)		3.6E 1 (2.1 - 2170.0)E -1 (0/ 12)	14	8.6E 1 (2.2 - 21.7)E 1 (0/ 4)	NO DATA
Pb-214 (12) (0)		3.9E 1 (1.3 - 245.0)E 0 (6/ 12)	14	9.4E 1 (2.1 - 24.5)E 1 (4/ 4)	NO DATA
Ac-228 (12) (0)		-2.2E -1 (-7.8 - 5.7)E 0 (0/ 12)	14	3.6E 0 (1.7 - 5.7)E 0 (0/ 4)	NO DATA
Th-228 (12) (0)		7.2E -1 (-2.1 - 3.2)E 0 (0/ 12)	01	1.3E 0 (-4.8 - 31.6)E -1 (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. > MDC 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 10 samples were collected for the year from all locations. All cores were analyzed as single or whole samples without segmenting. A gamma analysis was performed on each core.

Table 3.6-1 identifies the results of the search for radionuclides of which several natural occurring were detected. The natural occurring radionuclides include K-40 and nuclides of the Uranium-238 decay chain (Th-230, Ra-226, Pb-214 and Bi-214) and the Thorium-230 decay chain (Ac-228, Th-228, Pb-212, and Tl-208). 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 plant related 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 2011)

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 (10) (0)		7.2E 0 (-1.2 - 1.4)E 2 (0/ 6)	02	9.6E 1 (5.0 - 14.3)E 1 (0/ 2)	-8.0E -1 (-1.5 - 1.3)E 2 (0/ 4)
K-40 (10) (0)		1.7E 4 (1.4 - 2.3)E 4 (6/ 6)	08	2.1E 4 (1.9 - 2.3)E 4 (2/ 2)	1.5E 4 (1.3 - 1.9)E 4 (4/ 4)
Cr-51 (10) (0)		3.8E 1 (-2.2 - 3.0)E 2 (0/ 6)	52	1.1E 2 (6.3 - 15.2)E 1 (0/ 2)	1.0E 2 (2.2 - 17.7)E 1 (0/ 4)
Mn-54 (10) (0)		2.3E 0 (-2.9 - 3.2)E 1 (0/ 6)	57	5.6E 0 (-1.7 - 113.0)E -1 (0/ 2)	-7.0E 0 (-4.3 - 1.1)E 1 (0/ 4)
Co-57 (10) (0)		8.4E -1 (-1.5 - 1.7)E 1 (0/ 6)	07	9.4E 0 (1.3 - 17.4)E 0 (0/ 2)	-6.8E 0 (-1.4 - 0.5)E 1 (0/ 4)
Co-58 (10) (0)		-1.4E 1 (-3.3 - 1.4)E 1 (0/ 6)	57	-2.1E 0 (-4.7 - 0.5)E 0 (0/ 2)	-1.4E 1 (-4.1 - 0.1)E 1 (0/ 4)
Fe-59 (10) (0)		1.2E 0 (-8.8 - 5.6)E 1 (0/ 6)	08	5.6E 1 (5.6 - 5.6)E 1 (0/ 2)	2.0E 1 (-2.2 - 10.2)E 1 (0/ 4)
Co-60 (10) (0)		6.8E 0 (-2.0 - 2.0)E 1 (0/ 6)	07	1.4E 1 (7.6 - 20.2)E 0 (0/ 2)	-1.1E 1 (-1.7 - 0.1)E 1 (0/ 4)
Zn-65 (10) (0)		-2.6E 1 (-1.3 - 0.1)E 2 (0/ 6)	52	1.4E 1 (-3.3 - 6.0)E 1 (0/ 2)	1.5E -1 (-4.6 - 6.0)E 1 (0/ 4)
Se-75 (10) (0)		2.3E 0 (-1.9 - 3.4)E 1 (0/ 6)	57	1.2E 1 (4.6 - 19.9)E 0 (0/ 2)	-1.5E 0 (-3.7 - 2.0)E 1 (0/ 4)
Nb-95 (10) (0)		1.1E 1 (-3.9 - 4.5)E 1 (0/ 6)	02	2.2E 1 (-1.5 - 45.1)E 0 (0/ 2)	-6.2E 0 (-2.9 - 2.4)E 1 (0/ 4)
Zr-95 (10) (0)		-1.3E 1 (-8.3 - 8.8)E 1 (0/ 6)	02	3.4E 1 (-2.0 - 8.8)E 1 (0/ 2)	-4.5E 0 (-2.4 - 3.2)E 1 (0/ 4)
Ru-103 (10) (0)		-5.5E 0 (-5.1 - 2.3)E 1 (0/ 6)	07	1.5E 1 (1.3 - 1.7)E 1 (0/ 2)	-1.5E -1 (-2.5 - 3.1)E 1 (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. > MDC 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 2011)

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**)
Ru-106	(10)		1.7E 0	07	4.3E 1	-1.3E 2
	(0)		(-1.1 - 1.3)E 2 (0/ 6)		(-3.9 - 12.5)E 1 (0/ 2)	(-2.3 - -0.4)E 2 (0/ 4)
Ag-108m	(10)		-5.4E 0	52	2.0E -1	-4.9E 0
	(0)		(-1.2 - 0.3)E 1 (0/ 6)		(-1.6 - 1.6)E 1 (0/ 2)	(-2.4 - 1.6)E 1 (0/ 4)
Ag-110m	(10)		2.7E 0	08	1.8E 1	-3.4E 0
	(0)		(-1.3 - 3.2)E 1 (0/ 6)		(3.5 - 32.1)E 0 (0/ 2)	(-1.3 - 0.5)E 1 (0/ 4)
Sb-124	(10)		-7.3E 0	52	2.5E 1	1.1E 1
	(0)		(-1.1 - 0.7)E 2 (0/ 6)		(-9.4 - 60.2)E 0 (0/ 2)	(-9.4 - 60.2)E 0 (0/ 4)
Sb-125	(10)		-1.4E 0	57	3.1E 1	6.9E 0
	(0)		(-3.2 - 3.4)E 1 (0/ 6)		(8.7 - 53.8)E 0 (0/ 2)	(-8.4 - 5.4)E 1 (0/ 4)
I-131	(10)		4.4E 1	07	2.0E 2	5.2E 1
	(0)		(-2.1 - 3.2)E 2 (0/ 6)		(7.8 - 32.0)E 1 (0/ 2)	(-1.3 - 2.6)E 2 (0/ 4)
Cs-134	(10)	150	1.9E 1	52	3.7E 1	3.0E 1
	(0)		(0.0 - 5.0)E 1 (0/ 6)		(0.0 - 7.3)E 1 (0/ 2)	(0.0 - 7.3)E 1 (0/ 4)
Cs-137	(10)	180	-1.1E 1	57	-7.7E 0	-1.7E 1
	(0)		(-3.7 - 1.0)E 1 (0/ 6)		(-2.7 - 1.1)E 1 (0/ 2)	(-3.3 - 1.1)E 1 (0/ 4)
Ba-140	(10)		-7.6E 1	52	2.7E 1	1.2E 1
	(0)		(-2.3 - 0.3)E 2 (0/ 6)		(-6.7 - 12.1)E 1 (0/ 2)	(-6.7 - 12.1)E 1 (0/ 4)
La-140	(10)		-7.6E 1	52	2.7E 1	1.2E 1
	(0)		(-2.3 - 0.3)E 2 (0/ 6)		(-6.7 - 12.1)E 1 (0/ 2)	(-6.7 - 12.1)E 1 (0/ 4)
Ce-141	(10)		1.0E 1	02	3.4E 1	8.9E 0
	(0)		(-1.9 - 4.0)E 1 (0/ 6)		(2.7 - 4.0)E 1 (0/ 2)	(-2.8 - 20.0)E 0 (0/ 4)
Ce-144	(10)		-6.9E 0	57	1.6E 1	-3.7E 1
	(0)		(-1.1 - 1.3)E 2 (0/ 6)		(-5.1 - 37.7)E 0 (0/ 2)	(-1.1 - 0.4)E 2 (0/ 4)
Tl-208	(10)		2.8E 2	52	6.2E 2	4.0E 2
	(0)		(1.2 - 6.6)E 2 (6/ 6)		(5.1 - 7.2)E 2 (2/ 2)	(1.6 - 7.2)E 2 (4/ 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. > MDC 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 2011)

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-212 (10) (0)		1.0E 3 (3.2 - 27.0)E 2 (6/ 6)	02	2.2E 3 (1.7 - 2.7)E 3 (2/ 2)	1.3E 3 (3.7 - 24.3)E 2 (4/ 4)
Bi-214 (10) (0)		6.5E 2 (2.8 - 15.5)E 2 (4/ 6)	52	1.3E 3 (1.1 - 1.6)E 3 (2/ 2)	9.1E 2 (4.6 - 15.5)E 2 (4/ 4)
Pb-214 (10) (0)		7.1E 2 (3.1 - 17.9)E 2 (6/ 6)	52	1.5E 3 (1.3 - 1.7)E 3 (2/ 2)	9.9E 2 (4.5 - 17.1)E 2 (4/ 4)
Ra-226 (10) (0)		6.5E 2 (2.8 - 15.5)E 2 (4/ 6)	52	1.3E 3 (1.1 - 1.6)E 3 (2/ 2)	9.1E 2 (4.6 - 15.5)E 2 (4/ 4)
Ac-228 (10) (0)		8.8E 2 (2.9 - 22.5)E 2 (5/ 6)	52	2.0E 3 (1.4 - 2.6)E 3 (2/ 2)	1.2E 3 (3.7 - 25.7)E 2 (4/ 4)
Th-228 (10) (0)		1.0E 3 (3.2 - 27.0)E 2 (6/ 6)	02	2.2E 3 (1.7 - 2.7)E 3 (2/ 2)	1.3E 3 (3.7 - 24.3)E 2 (4/ 4)
Th-230 (10) (0)		6.5E 2 (2.8 - 15.5)E 2 (4/ 6)	52	1.3E 3 (1.1 - 1.6)E 3 (2/ 2)	9.1E 2 (4.6 - 15.5)E 2 (4/ 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. > MDC 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. 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 Flounder which are bottom dwelling species. One sample of Cunner fish was also collected from Station FH-03, as well as one sample of Longhorn Sculpin.

A gamma analysis was performed on the edible portion of each sample collected. In 2011, the only radionuclides detected were natural occurring K-40 (all samples) and Pb-214 (1 sample out of 10), a member of the natural Uranium-238 decay chain. Table 3.7-1 summarizes the results for radionuclides in fish. Similar to past years, no plant-related radionuclides were detected in any samples. As a result, no increasing or decreasing trends were observed. Subsequently, there is no dose to the public or impact to the environment through this pathway due to 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 2011, 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 286778001, 09/26/2011. No plant radionuclides were detected in the cunner fish sample, with only natural occurring K-40 being found.

The result for the single sample represented by Longhorn Sculpin can be found in Attachment 1 as laboratory number 285107003, on 08/30/2011. Only natural occurring K-40 was detected in the sample.

The REMP Summary Table 3.7-1 also 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 2011)

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)		-1.0E 0	53	3.4E 0	3.4E 0
	(0)		(-3.3 - 3.7)E 1 (0/ 6)		(-2.5 - 16.2)E 0 (0/ 4)	(-2.5 - 16.2)E 0 (0/ 4)
K-40	(10)		3.4E 3	53	3.4E 3	3.4E 3
	(0)		(2.7 - 4.3)E 3 (6/ 6)		(3.0 - 3.7)E 3 (4/ 4)	(3.0 - 3.7)E 3 (4/ 4)
Cr-51	(10)		-6.7E 0	53	1.8E 1	1.8E 1
	(0)		(-5.7 - 4.6)E 1 (0/ 6)		(-4.1 - 61.6)E 0 (0/ 4)	(-4.1 - 61.6)E 0 (0/ 4)
Mn-54	(10)	130	4.9E -1	03	4.9E -1	-1.6E 0
	(0)		(-1.5 - 5.6)E 0 (0/ 6)		(-1.5 - 5.6)E 0 (0/ 6)	(-4.5 - 1.5)E 0 (0/ 4)
Co-57	(10)		2.6E -1	53	7.1E -1	7.1E -1
	(0)		(-2.0 - 4.6)E 0 (0/ 6)		(-2.1 - 14.7)E -1 (0/ 4)	(-2.1 - 14.7)E -1 (0/ 4)
Co-58	(10)	130	9.8E -1	03	9.8E -1	9.1E -1
	(0)		(-4.3 - 6.7)E 0 (0/ 6)		(-4.3 - 6.7)E 0 (0/ 6)	(-1.6 - 4.4)E 0 (0/ 4)
Fe-59	(10)	260	4.6E 0	03	4.6E 0	-9.7E 0
	(0)		(-1.4 - 9.2)E 0 (0/ 6)		(-1.4 - 9.2)E 0 (0/ 6)	(-2.6 - -0.1)E 1 (0/ 4)
Co-60	(10)	130	-2.8E 0	53	1.0E 0	1.0E 0
	(0)		(-1.7 - 0.2)E 1 (0/ 6)		(-5.4 - 28.7)E -1 (0/ 4)	(-5.4 - 28.7)E -1 (0/ 4)
Zn-65	(10)	260	6.9E -1	03	6.9E -1	-1.1E 1
	(0)		(-3.5 - 5.3)E 0 (0/ 6)		(-3.5 - 5.3)E 0 (0/ 6)	(-1.5 - -0.5)E 1 (0/ 4)
Se-75	(10)		-2.7E 0	53	-2.6E 0	-2.6E 0
	(0)		(-1.6 - 0.4)E 1 (0/ 6)		(-5.4 - -1.1)E 0 (0/ 4)	(-5.4 - -1.1)E 0 (0/ 4)
Nb-95	(10)		-1.3E 0	53	-3.0E -1	-3.0E -1
	(0)		(-1.5 - 0.6)E 1 (0/ 6)		(-2.9 - 2.3)E 0 (0/ 4)	(-2.9 - 2.3)E 0 (0/ 4)
Zr-95	(10)		-6.4E -1	53	4.0E 0	4.0E 0
	(0)		(-8.6 - 4.7)E 0 (0/ 6)		(-4.6 - 10.4)E 0 (0/ 4)	(-4.6 - 10.4)E 0 (0/ 4)
Ru-103	(10)		2.5E 0	03	2.5E 0	-2.9E -1
	(0)		(-1.3 - 16.2)E 0 (0/ 6)		(-1.3 - 16.2)E 0 (0/ 6)	(-5.6 - 4.5)E 0 (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. > MDC 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 2011)

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)		-1.1E 1	53	1.1E 1	1.1E 1
	(0)		(-1.0 - 0.4)E 2 (0/ 6)		(-1.6 - 3.3)E 1 (0/ 4)	(-1.6 - 3.3)E 1 (0/ 4)
Ag-108m	(10)		1.0E -1	03	1.0E -1	-7.2E -2
	(0)		(-1.4 - 1.9)E 0 (0/ 6)		(-1.4 - 1.9)E 0 (0/ 6)	(-6.9 - 8.3)E -1 (0/ 4)
Ag-110m	(10)		-3.5E -1	03	-3.5E -1	-2.5E 0
	(0)		(-6.4 - 6.7)E 0 (0/ 6)		(-6.4 - 6.7)E 0 (0/ 6)	(-4.7 - 0.8)E 0 (0/ 4)
Sb-124	(10)		4.3E 0	03	4.3E 0	1.4E 0
	(0)		(-6.0 - 17.8)E 0 (0/ 6)		(-6.0 - 17.8)E 0 (0/ 6)	(-6.4 - 11.2)E 0 (0/ 4)
Sb-125	(10)		-3.0E 0	53	4.8E -1	4.8E -1
	(0)		(-1.0 - 0.1)E 1 (0/ 6)		(-5.7 - 3.6)E 0 (0/ 4)	(-5.7 - 3.6)E 0 (0/ 4)
I-131	(10)		-4.6E 0	53	3.1E 0	3.1E 0
	(0)		(-2.3 - 0.6)E 1 (0/ 6)		(-2.2 - 6.7)E 0 (0/ 4)	(-2.2 - 6.7)E 0 (0/ 4)
Cs-134	(10)	130	1.5E 0	03	1.5E 0	-9.0E -1
	(0)		(-6.4 - 12.3)E 0 (0/ 6)		(-6.4 - 12.3)E 0 (0/ 6)	(-2.8 - 1.0)E 0 (0/ 4)
Cs-137	(10)	150	1.4E 0	03	1.4E 0	3.7E -1
	(0)		(-4.6 - 8.4)E 0 (0/ 6)		(-4.6 - 8.4)E 0 (0/ 6)	(-2.5 - 2.0)E 0 (0/ 4)
Ba-140	(10)		2.9E 0	03	2.9E 0	-1.1E 0
	(0)		(-4.8 - 8.4)E 0 (0/ 6)		(-4.8 - 8.4)E 0 (0/ 6)	(-1.1 - 1.7)E 1 (0/ 4)
La-140	(10)		2.9E 0	03	2.9E 0	-1.1E 0
	(0)		(-4.8 - 8.4)E 0 (0/ 6)		(-4.8 - 8.4)E 0 (0/ 6)	(-1.1 - 1.7)E 1 (0/ 4)
Ce-141	(10)		2.9E 0	53	5.0E 0	5.0E 0
	(0)		(-1.7 - 2.0)E 1 (0/ 6)		(1.1 - 12.6)E 0 (0/ 4)	(1.1 - 12.6)E 0 (0/ 4)
Ce-144	(10)		-2.0E 0	03	-2.0E 0	-3.8E 0
	(0)		(-2.3 - 1.1)E 1 (0/ 6)		(-2.3 - 1.1)E 1 (0/ 6)	(-1.6 - 0.5)E 1 (0/ 4)
Tl-208	(10)		-9.2E -1	53	1.8E 0	1.8E 0
	(0)		(-4.8 - 4.7)E 0 (0/ 6)		(7.9 - 28.2)E -1 (0/ 4)	(7.9 - 28.2)E -1 (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. > MDC 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 2011)

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 (10) (0)		3.2E 0 (-1.6 - 10.6)E 0 (0/ 6)	03	3.2E 0 (-1.6 - 10.6)E 0 (0/ 6)	2.3E -1 (-6.6 - 4.6)E 0 (0/ 4)
Bi-214 (10) (0)		1.9E 0 (-1.2 - 1.5)E 1 (0/ 6)	53	1.2E 1 (-1.8 - 2.9)E 1 (0/ 4)	1.2E 1 (-1.8 - 2.9)E 1 (0/ 4)
Pb-214 (10) (0)		3.0E 0 (-1.9 - 2.3)E 1 (0/ 6)	03	3.0E 0 (-1.9 - 2.3)E 1 (0/ 6)	2.6E 0 (-1.4 - 1.5)E 1 (1/ 4)
Ra-226 (10) (0)		1.9E 0 (-1.2 - 1.5)E 1 (0/ 6)	53	1.2E 1 (-1.8 - 2.9)E 1 (0/ 4)	1.2E 1 (-1.8 - 2.9)E 1 (0/ 4)
Ac-228 (10) (0)		-6.5E -1 (-8.3 - 17.5)E 0 (0/ 6)	53	4.4E 0 (-1.3 - 3.0)E 1 (0/ 4)	4.4E 0 (-1.3 - 3.0)E 1 (0/ 4)
Th-228 (10) (0)		3.2E 0 (-1.6 - 10.6)E 0 (0/ 6)	03	3.2E 0 (-1.6 - 10.6)E 0 (0/ 6)	2.3E -1 (-6.6 - 4.6)E 0 (0/ 4)
Th-230 (10) (0)		1.9E 0 (-1.2 - 1.5)E 1 (0/ 6)	53	1.2E 1 (-1.8 - 2.9)E 1 (0/ 4)	1.2E 1 (-1.8 - 2.9)E 1 (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. > MDC 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. 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. Fish and shellfish results may be found in Sections 3.7 and 3.9, respectively.

A gamma analysis was performed on each sample. The only radionuclide detected in lobster samples in 2011 was naturally occurring K-40 (all samples). Similar to past years, no plant-related radionuclides were detected in any sample. Therefore, no increasing or decreasing trends were observed. Consequently, there is no dose to the public or impact to the environment from this pathway due to plant operations. This is consistent with previous years as well as the pre-operational program.

The REMP Summary Table 3.8-1 also lists 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 2011)

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**)
Be-7	(4)		-1.4E 0	54	7.0E 0	7.0E 0
	(0)		(-1.4 - 1.1)E 1 (0/ 2)		(1.1 - 12.9)E 0 (0/ 2)	(1.1 - 12.9)E 0 (0/ 2)
K-40	(4)		2.2E 3	04	2.2E 3	2.1E 3
	(0)		(2.0 - 2.3)E 3 (2/ 2)		(2.0 - 2.3)E 3 (2/ 2)	(1.8 - 2.3)E 3 (2/ 2)
Cr-51	(4)		1.4E 1	54	2.2E 1	2.2E 1
	(0)		(-1.7 - 4.5)E 1 (0/ 2)		(-2.9 - 7.4)E 1 (0/ 2)	(-2.9 - 7.4)E 1 (0/ 2)
Mn-54	(4)	130	2.0E 0	04	2.0E 0	6.3E -1
	(0)		(-2.3 - 405.0)E -2 (0/ 2)		(-2.3 - 405.0)E -2 (0/ 2)	(-1.2 - 2.4)E 0 (0/ 2)
Co-57	(4)		8.7E -1	54	1.1E 0	1.1E 0
	(0)		(-5.3 - 22.8)E -1 (0/ 2)		(-6.7 - 28.1)E -1 (0/ 2)	(-6.7 - 28.1)E -1 (0/ 2)
Co-58	(4)	130	-5.4E 0	54	-1.1E 0	-1.1E 0
	(0)		(-1.1 - 0.0)E 1 (0/ 2)		(-1.5 - -0.8)E 0 (0/ 2)	(-1.5 - -0.8)E 0 (0/ 2)
Fe-59	(4)	260	-7.7E 0	54	3.5E 0	3.5E 0
	(0)		(-1.4 - -0.2)E 1 (0/ 2)		(2.2 - 4.7)E 0 (0/ 2)	(2.2 - 4.7)E 0 (0/ 2)
Co-60	(4)	130	-2.6E 0	54	-2.0E 0	-2.0E 0
	(0)		(-2.6 - -2.6)E 0 (0/ 2)		(-3.6 - -0.4)E 0 (0/ 2)	(-3.6 - -0.4)E 0 (0/ 2)
Zn-65	(4)	260	-3.2E 0	54	-1.1E 0	-1.1E 0
	(0)		(-3.8 - -2.5)E 0 (0/ 2)		(-8.7 - 6.6)E 0 (0/ 2)	(-8.7 - 6.6)E 0 (0/ 2)
Se-75	(4)		6.0E -1	04	6.0E -1	-1.8E 0
	(0)		(-3.3 - 4.5)E 0 (0/ 2)		(-3.3 - 4.5)E 0 (0/ 2)	(-2.1 - -1.4)E 0 (0/ 2)
Nb-95	(4)		7.0E 0	04	7.0E 0	9.1E -1
	(0)		(-1.3 - 15.2)E 0 (0/ 2)		(-1.3 - 15.2)E 0 (0/ 2)	(-3.6 - 5.4)E 0 (0/ 2)
Zr-95	(4)		-4.8E 0	54	3.8E 0	3.8E 0
	(0)		(-9.1 - -0.4)E 0 (0/ 2)		(1.5 - 6.1)E 0 (0/ 2)	(1.5 - 6.1)E 0 (0/ 2)
Ru-103	(4)		-4.3E 0	54	1.7E -1	1.7E -1
	(0)		(-5.9 - -2.6)E 0 (0/ 2)		(-1.4 - 1.7)E 0 (0/ 2)	(-1.4 - 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. > MDC 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 2011)

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**)
Ru-106	(4)		5.0E -3	04	5.0E -3	-8.5E -1
	(0)		(-9.0 - 9.0)E 0 (0/ 2)		(-9.0 - 9.0)E 0 (0/ 2)	(-1.6 - 1.4)E 1 (0/ 2)
Ag-108m	(4)		1.4E 0	04	1.4E 0	-9.1E -1
	(0)		(6.6 - 21.5)E -1 (0/ 2)		(6.6 - 21.5)E -1 (0/ 2)	(-2.1 - 0.3)E 0 (0/ 2)
Ag-110m	(4)		-2.6E 0	04	-2.6E 0	-1.9E 1
	(0)		(-4.8 - -0.5)E 0 (0/ 2)		(-4.8 - -0.5)E 0 (0/ 2)	(-3.6 - -0.1)E 1 (0/ 2)
Sb-124	(4)		-4.5E 0	54	-2.1E 0	-2.1E 0
	(0)		(-6.5 - -2.5)E 0 (0/ 2)		(-1.0 - 0.6)E 1 (0/ 2)	(-1.0 - 0.6)E 1 (0/ 2)
Sb-125	(4)		-4.2E 0	54	6.8E 0	6.8E 0
	(0)		(-6.4 - -2.1)E 0 (0/ 2)		(-3.8 - 17.3)E 0 (0/ 2)	(-3.8 - 17.3)E 0 (0/ 2)
I-131	(4)		1.5E 0	04	1.5E 0	-7.6E 0
	(0)		(-1.1 - 30.4)E -1 (0/ 2)		(-1.1 - 30.4)E -1 (0/ 2)	(-1.4 - -0.1)E 1 (0/ 2)
Cs-134	(4)	130	2.7E -1	04	2.7E -1	-2.2E 0
	(0)		(-1.7 - 2.2)E 0 (0/ 2)		(-1.7 - 2.2)E 0 (0/ 2)	(-3.6 - -0.7)E 0 (0/ 2)
Cs-137	(4)	150	8.7E -1	04	8.7E -1	-8.7E -1
	(0)		(-9.9 - 27.2)E -1 (0/ 2)		(-9.9 - 27.2)E -1 (0/ 2)	(-1.7 - 0.0)E 0 (0/ 2)
Ba-140	(4)		-2.8E 1	54	-1.4E 1	-1.4E 1
	(0)		(-3.0 - -2.6)E 1 (0/ 2)		(-2.6 - -0.2)E 1 (0/ 2)	(-2.6 - -0.2)E 1 (0/ 2)
La-140	(4)		-2.8E 1	54	-1.4E 1	-1.4E 1
	(0)		(-3.0 - -2.6)E 1 (0/ 2)		(-2.6 - -0.2)E 1 (0/ 2)	(-2.6 - -0.2)E 1 (0/ 2)
Ce-141	(4)		-1.1E 1	54	-8.2E 0	-8.2E 0
	(0)		(-1.9 - -0.3)E 1 (0/ 2)		(-1.5 - -0.2)E 1 (0/ 2)	(-1.5 - -0.2)E 1 (0/ 2)
Ce-144	(4)		-4.3E 0	54	3.7E 0	3.7E 0
	(0)		(-5.5 - -3.2)E 0 (0/ 2)		(-2.6 - 10.1)E 0 (0/ 2)	(-2.6 - 10.1)E 0 (0/ 2)
Tl-208	(4)		-1.9E 0	54	-6.4E -1	-6.4E -1
	(0)		(-4.5 - 0.7)E 0 (0/ 2)		(-4.5 - 3.2)E 0 (0/ 2)	(-4.5 - 3.2)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. > MDC 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 2011)

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**)
Pb-212 (4) (0)		-2.7E 0 (-1.0 - 0.5)E 1 (0/ 2)	54	1.6E 0 (-6.8 - 10.0)E 0 (0/ 2)	1.6E 0 (-6.8 - 10.0)E 0 (0/ 2)
Bi-214 (4) (0)		-7.8E 0 (-1.4 - -0.2)E 1 (0/ 2)	54	1.3E 0 (-8.8 - 11.5)E 0 (0/ 2)	1.3E 0 (-8.8 - 11.5)E 0 (0/ 2)
Pb-214 (4) (0)		-3.0E -2 (-8.1 - 8.1)E 0 (0/ 2)	04	-3.0E -2 (-8.1 - 8.1)E 0 (0/ 2)	-1.5E 1 (-2.7 - -0.3)E 1 (0/ 2)
Ra-226 (4) (0)		-7.8E 0 (-1.4 - -0.2)E 1 (0/ 2)	54	1.3E 0 (-8.8 - 11.5)E 0 (0/ 2)	1.3E 0 (-8.8 - 11.5)E 0 (0/ 2)
Ac-228 (4) (0)		2.2E 0 (-6.9 - 11.2)E 0 (0/ 2)	04	2.2E 0 (-6.9 - 11.2)E 0 (0/ 2)	-2.2E 1 (-3.0 - -1.4)E 1 (0/ 2)
Th-228 (4) (0)		-2.7E 0 (-1.0 - 0.5)E 1 (0/ 2)	54	1.6E 0 (-6.8 - 10.0)E 0 (0/ 2)	1.6E 0 (-6.8 - 10.0)E 0 (0/ 2)
Th-230 (4) (0)		-7.8E 0 (-1.4 - -0.2)E 1 (0/ 2)	54	1.3E 0 (-8.8 - 11.5)E 0 (0/ 2)	1.3E 0 (-8.8 - 11.5)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. > MDC 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. In 2011, four locations (two indicators and two controls) were included in the sample collections. Fish and lobster results may be found in the Sections 3.7 and 3.8, entitled Fish and Lobsters, respectively.

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 intertidal 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 2011 and analyzed for radioactivity in the edible portion or meat of the shellfish.

Additional analyses were conducted on the June and November shellfish collections from both indicator (MS-06) and control (MS-56) locations where mussel shells (MS) were also analyzed for Strontium 89 and 90 (four samples) to see if there was any indication of strontium uptake into the shell. For 2011, no Sr-89/90 was detected in any sample. These analyses are not required by the REMP as defined in the ODCM.

The only radionuclides detected in shellfish samples in 2011 were naturally occurring K-40 (8 out of 8 edible portion samples) and Be-7 in one sample from a control station. Similar to past years, no plant-related gamma emitting radionuclides or Strontium were detected in any sample. Therefore, no increasing or decreasing trends were observed. Consequently, there is no dose to the public or impact to the environment from this pathway due to 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. 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 2011)

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)		6.6E -1	59	9.7E 1	7.8E 1
	(0)		(-2.2 - 3.2)E 1 (0/ 4)		(9.1 - 10.4)E 1 (0/ 2)	(3.4 - 10.4)E 1 (1/ 4)
K-40	(8)		1.1E 3	59	1.7E 3	1.5E 3
	(0)		(1.1 - 1.3)E 3 (4/ 4)		(1.6 - 1.8)E 3 (2/ 2)	(1.3 - 1.8)E 3 (4/ 4)
Cr-51	(8)		1.0E 1	06	1.8E 1	-2.3E 1
	(0)		(-2.1 - 3.5)E 1 (0/ 4)		(2.4 - 351.0)E -1 (0/ 2)	(-6.3 - 1.6)E 1 (0/ 4)
Mn-54	(8)	130	9.0E -1	59	4.6E 0	2.2E 0
	(0)		(-1.9 - 3.7)E 0 (0/ 4)		(3.4 - 5.8)E 0 (0/ 2)	(-8.8 - 57.6)E -1 (0/ 4)
Co-57	(8)		-1.4E 0	09	1.0E 0	-2.1E 0
	(0)		(-6.2 - 2.7)E 0 (0/ 4)		(-6.7 - 27.0)E -1 (0/ 2)	(-6.1 - 0.1)E 0 (0/ 4)
Co-58	(8)	130	1.9E 0	09	4.3E 0	8.3E -1
	(0)		(-1.8 - 5.5)E 0 (0/ 4)		(3.0 - 5.5)E 0 (0/ 2)	(-2.5 - 3.0)E 0 (0/ 4)
Fe-59	(8)	260	7.4E 0	09	1.5E 1	-7.4E -1
	(0)		(-1.8 - 15.9)E 0 (0/ 4)		(1.3 - 1.6)E 1 (0/ 2)	(-3.7 - 2.0)E 0 (0/ 4)
Co-60	(8)	130	5.5E -1	56	2.2E 0	2.1E 0
	(0)		(-1.6 - 1.9)E 0 (0/ 4)		(4.9 - 40.0)E -1 (0/ 2)	(-1.8 - 5.5)E 0 (0/ 4)
Zn-65	(8)	260	-6.1E 0	56	2.4E 0	-4.4E 0
	(0)		(-1.3 - -0.1)E 1 (0/ 4)		(-3.2 - 7.9)E 0 (0/ 2)	(-1.6 - 0.8)E 1 (0/ 4)
Se-75	(8)		-3.5E 0	56	2.7E -1	1.2E -1
	(0)		(-7.0 - -0.1)E 0 (0/ 4)		(-8.0 - 13.4)E -1 (0/ 2)	(-4.1 - 4.0)E 0 (0/ 4)
Nb-95	(8)		1.6E 0	06	4.8E 0	3.3E 0
	(0)		(-6.8 - 7.6)E 0 (0/ 4)		(2.1 - 7.6)E 0 (0/ 2)	(8.1 - 71.0)E -1 (0/ 4)
Zr-95	(8)		6.4E 0	09	1.2E 1	2.6E 0
	(0)		(1.3 - 16.0)E 0 (0/ 4)		(7.1 - 16.0)E 0 (0/ 2)	(-2.0 - 7.5)E 0 (0/ 4)
Ru-103	(8)		-4.0E 0	59	4.5E 0	3.1E 0
	(0)		(-1.4 - 0.2)E 1 (0/ 4)		(-1.8 - 10.8)E 0 (0/ 2)	(-1.8 - 10.8)E 0 (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. > MDC 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 2011)

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)		-7.5E 0	56	9.9E 0	5.5E 0
	(0)		(-3.2 - 1.3)E 1 (0/ 4)		(9.9 - 188.0)E -1 (0/ 2)	(-1.7 - 2.0)E 1 (0/ 4)
Ag-108m	(8)		2.4E 0	09	4.0E 0	-1.2E 0
	(0)		(-1.2 - 9.2)E 0 (0/ 4)		(-1.2 - 9.2)E 0 (0/ 2)	(-2.9 - 0.9)E 0 (0/ 4)
Ag-110m	(8)		-3.2E 0	06	1.7E -1	-1.0E 0
	(0)		(-8.7 - 0.5)E 0 (0/ 4)		(-2.0 - 5.5)E -1 (0/ 2)	(-3.2 - 2.0)E 0 (0/ 4)
Sb-124	(8)		-2.3E 0	56	1.7E 0	-5.1E 0
	(0)		(-2.6 - 2.0)E 1 (0/ 4)		(-8.2 - 41.3)E -1 (0/ 2)	(-1.3 - 0.4)E 1 (0/ 4)
Sb-125	(8)		2.3E 0	09	7.1E 0	1.2E 0
	(0)		(-6.2 - 9.1)E 0 (0/ 4)		(5.2 - 9.1)E 0 (0/ 2)	(-1.2 - 2.7)E 0 (0/ 4)
I-131	(8)		-2.0E 1	59	2.2E 1	1.4E 1
	(0)		(-6.8 - 0.1)E 1 (0/ 4)		(6.8 - 37.4)E 0 (0/ 2)	(-2.9 - 37.4)E 0 (0/ 4)
Cs-134	(8)	130	-1.0E -1	56	3.3E 0	9.1E -1
	(0)		(-3.1 - 1.9)E 0 (0/ 4)		(2.7 - 3.9)E 0 (0/ 2)	(-3.0 - 3.9)E 0 (0/ 4)
Cs-137	(8)	150	2.6E -1	06	4.1E 0	-1.9E 0
	(0)		(-7.8 - 5.2)E 0 (0/ 4)		(3.1 - 5.2)E 0 (0/ 2)	(-1.2 - 0.5)E 1 (0/ 4)
Ba-140	(8)		-5.4E 0	56	3.2E 0	-5.0E 0
	(0)		(-2.2 - 0.5)E 1 (0/ 4)		(1.2 - 5.1)E 0 (0/ 2)	(-1.7 - 0.5)E 1 (0/ 4)
Ba-140	(8)		-5.4E 0	56	3.2E 0	-5.0E 0
	(0)		(-2.2 - 0.5)E 1 (0/ 4)		(1.2 - 5.1)E 0 (0/ 2)	(-1.7 - 0.5)E 1 (0/ 4)
Ce-141	(8)		-5.0E 0	56	7.6E -1	-8.9E 0
	(0)		(-9.1 - 1.8)E 0 (0/ 4)		(5.7 - 9.6)E -1 (0/ 2)	(-4.5 - 0.8)E 1 (0/ 4)
Ce-144	(8)		-3.3E 0	06	8.3E 0	-1.7E 0
	(0)		(-2.1 - 1.5)E 1 (0/ 4)		(1.8 - 14.8)E 0 (0/ 2)	(-1.5 - 1.5)E 1 (0/ 4)
Tl-208	(8)		5.0E -1	59	1.2E 1	7.8E 0
	(0)		(-4.0 - 3.2)E 0 (0/ 4)		(6.5 - 18.0)E 0 (0/ 2)	(1.3 - 18.0)E 0 (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. > MDC 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 2011)

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**)
Pb-212	(8)		9.8E -1	59	1.8E 1	1.4E 1
	(0)		(-4.9 - 5.9)E 0		(1.6 - 35.4)E 0	(1.6 - 35.4)E 0
			(0/ 4)		(0/ 2)	(0/ 4)
Bi-214	(8)		6.2E -1	59	2.2E 1	1.8E 1
	(0)		(-1.0 - 1.2)E 1		(6.1 - 37.7)E 0	(6.1 - 37.7)E 0
			(0/ 4)		(0/ 2)	(0/ 4)
Pb-214	(8)		7.9E 0	59	1.0E 1	8.1E 0
	(0)		(3.2 - 11.8)E 0		(8.1 - 12.5)E 0	(2.7 - 12.5)E 0
			(0/ 4)		(0/ 2)	(0/ 4)
Ra-226	(8)		6.2E -1	59	2.2E 1	1.8E 1
	(0)		(-1.0 - 1.2)E 1		(6.1 - 37.7)E 0	(6.1 - 37.7)E 0
			(0/ 4)		(0/ 2)	(0/ 4)
Ac-228	(8)		-5.2E 0	59	2.3E 1	1.9E 1
	(0)		(-3.8 - 0.6)E 1		(1.9 - 2.8)E 1	(1.5 - 2.8)E 1
			(0/ 4)		(0/ 2)	(0/ 4)
Th-228	(8)		9.8E -1	59	1.8E 1	1.4E 1
	(0)		(-4.9 - 5.9)E 0		(1.6 - 35.4)E 0	(1.6 - 35.4)E 0
			(0/ 4)		(0/ 2)	(0/ 4)
Th-230	(8)		6.2E -1	59	2.2E 1	1.8E 1
	(0)		(-1.0 - 1.2)E 1		(6.1 - 37.7)E 0	(6.1 - 37.7)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. > MDC 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 2011)

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	Station With Highest Mean: Mean Range (No. Detected**)	Control Stations: Mean Range (No. Detected**)
Sr-89 (4) (0)		-5.4E 1 (-1.9 - 0.8)E 2 (0/ 2)	06	-5.4E 1 (-1.9 - 0.8)E 2 (0/ 2)	-8.6E 1 (-9.6 - -7.5)E 1 (0/ 2)
Sr-90 (4) (0)		-2.1E 1 (-5.5 - 1.3)E 1 (0/ 2)	56	5.7E 1 (1.0 - 113.0)E 0 (0/ 2)	5.7E 1 (1.0 - 113.0)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. > MDC 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 K-40 was detected in all samples for both indicator and control stations. Other natural occurring radionuclides detected include Be-7 (3 out of 4 samples) and Th-228 (1 out of 4 samples). Similar to past years, no plant-related radionuclides were 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 due to 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. Attachment 1 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 2011)

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)		1.9E 2	55	3.6E 2	3.6E 2
	(0)		(1.7 - 2.1)E 2 (1/ 2)		(2.5 - 4.8)E 2 (2/ 2)	(2.5 - 4.8)E 2 (2/ 2)
K-40	(4)		7.8E 3	05	7.8E 3	6.2E 3
	(0)		(5.9 - 9.8)E 3 (2/ 2)		(5.9 - 9.8)E 3 (2/ 2)	(5.2 - 7.2)E 3 (2/ 2)
Cr-51	(4)		-5.6E 0	55	4.1E 0	4.1E 0
	(0)		(-1.6 - 0.5)E 1 (0/ 2)		(-4.6 - 12.8)E 0 (0/ 2)	(-4.6 - 12.8)E 0 (0/ 2)
Mn-54	(4)	130	-1.2E 0	05	-1.2E 0	-1.8E 0
	(0)		(-3.2 - 0.7)E 0 (0/ 2)		(-3.2 - 0.7)E 0 (0/ 2)	(-4.5 - 0.9)E 0 (0/ 2)
Co-57	(4)		-1.4E 0	55	1.5E 0	1.5E 0
	(0)		(-2.1 - -0.7)E 0 (0/ 2)		(6.6 - 24.1)E -1 (0/ 2)	(6.6 - 24.1)E -1 (0/ 2)
Co-58	(4)	130	1.9E 0	05	1.9E 0	-1.2E 0
	(0)		(-1.3 - 5.2)E 0 (0/ 2)		(-1.3 - 5.2)E 0 (0/ 2)	(-2.3 - -0.1)E 0 (0/ 2)
Fe-59	(4)	260	-1.3E 0	55	9.7E 0	9.7E 0
	(0)		(-1.8 - -0.8)E 0 (0/ 2)		(6.0 - 13.3)E 0 (0/ 2)	(6.0 - 13.3)E 0 (0/ 2)
Co-60	(4)	130	-1.5E 0	05	-1.5E 0	-5.4E 0
	(0)		(-4.0 - 1.1)E 0 (0/ 2)		(-4.0 - 1.1)E 0 (0/ 2)	(-1.1 - 0.0)E 1 (0/ 2)
Zn-65	(4)	260	-1.7E 1	55	1.2E 0	1.2E 0
	(0)		(-2.9 - -0.5)E 1 (0/ 2)		(-1.4 - 1.6)E 1 (0/ 2)	(-1.4 - 1.6)E 1 (0/ 2)
Se-75	(4)		9.4E 0	05	9.4E 0	7.4E -1
	(0)		(1.0 - 17.7)E 0 (0/ 2)		(1.0 - 17.7)E 0 (0/ 2)	(-1.2 - 2.7)E 0 (0/ 2)
Nb-95	(4)		7.1E 0	05	7.1E 0	-4.0E -1
	(0)		(4.6 - 9.6)E 0 (0/ 2)		(4.6 - 9.6)E 0 (0/ 2)	(-8.7 - 7.9)E 0 (0/ 2)
Zr-95	(4)		7.0E 0	05	7.0E 0	6.4E 0
	(0)		(5.7 - 135.0)E -1 (0/ 2)		(5.7 - 135.0)E -1 (0/ 2)	(6.1 - 6.6)E 0 (0/ 2)
Ru-103	(4)		3.4E 0	05	3.4E 0	-4.1E 0
	(0)		(-2.2 - 70.0)E -1 (0/ 2)		(-2.2 - 70.0)E -1 (0/ 2)	(-5.5 - -2.7)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. > MDC 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 2011)

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)		1.4E 1	05	1.4E 1	-1.4E 1
	(0)		(5.1 - 22.7)E 0		(5.1 - 22.7)E 0	(-4.5 - 1.8)E 1
			(0/ 2)		(0/ 2)	(0/ 2)
Ag-108m	(4)		-3.6E 0	05	-3.6E 0	-4.5E 0
	(0)		(-5.1 - -2.0)E 0		(-5.1 - -2.0)E 0	(-8.2 - -0.7)E 0
			(0/ 2)		(0/ 2)	(0/ 2)
Ag-110m	(4)		8.5E -1	05	8.5E -1	-5.2E -1
	(0)		(-3.8 - 5.5)E 0		(-3.8 - 5.5)E 0	(-1.5 - 0.4)E 0
			(0/ 2)		(0/ 2)	(0/ 2)
Sb-124	(4)		-1.3E 1	55	-2.5E 0	-2.5E 0
	(0)		(-2.4 - -0.2)E 1		(-3.7 - -1.3)E 0	(-3.7 - -1.3)E 0
			(0/ 2)		(0/ 2)	(0/ 2)
Sb-125	(4)		-1.0E 0	05	-1.0E 0	-8.2E 0
	(0)		(-6.5 - 4.6)E 0		(-6.5 - 4.6)E 0	(-1.6 - -0.1)E 1
			(0/ 2)		(0/ 2)	(0/ 2)
I-131	(4)		2.8E 1	05	2.8E 1	2.7E 1
	(0)		(1.2 - 4.4)E 1		(1.2 - 4.4)E 1	(1.2 - 4.1)E 1
			(0/ 2)		(0/ 2)	(0/ 2)
Cs-134	(4)	130	1.0E -2	55	2.6E 0	2.6E 0
	(0)		(-3.8 - 3.8)E 0		(-2.9 - 8.0)E 0	(-2.9 - 8.0)E 0
			(0/ 2)		(0/ 2)	(0/ 2)
Cs-137	(4)	150	9.8E 0	05	9.8E 0	-2.7E 0
	(0)		(3.2 - 16.4)E 0		(3.2 - 16.4)E 0	(-9.0 - 3.6)E 0
			(0/ 2)		(0/ 2)	(0/ 2)
Ba-140	(4)		1.8E 1	05	1.8E 1	-4.9E -1
	(0)		(1.4 - 35.1)E 0		(1.4 - 35.1)E 0	(-5.4 - 4.4)E 0
			(0/ 2)		(0/ 2)	(0/ 2)
La-140	(4)		1.8E 1	05	1.8E 1	-4.9E -1
	(0)		(1.4 - 35.1)E 0		(1.4 - 35.1)E 0	(-5.4 - 4.4)E 0
			(0/ 2)		(0/ 2)	(0/ 2)
Ce-141	(4)		6.2E 0	05	6.2E 0	3.1E 0
	(0)		(4.2 - 8.2)E 0		(4.2 - 8.2)E 0	(2.8 - 3.4)E 0
			(0/ 2)		(0/ 2)	(0/ 2)
Ce-144	(4)		4.3E 0	55	6.7E 0	6.7E 0
	(0)		(-1.7 - 2.5)E 1		(-1.9 - 3.3)E 1	(-1.9 - 3.3)E 1
			(0/ 2)		(0/ 2)	(0/ 2)
Tl-208	(2)		1.1E -1	55	6.5E 0	6.5E 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. > MDC 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 2011)

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	Mean Range (No. Detected**)	Control Stations Mean Range (No. Detected**)
Pb-212	(2)		2.1E 1	55	2.2E 1	2.2E 1
	(0)		(0/ 1)		(0/ 1)	(0/ 1)
Bi-214	(2)		-7.1E 0	55	3.5E -2	3.5E -2
	(0)		(0/ 1)		(0/ 1)	(0/ 1)
Pb-214	(2)		-1.8E 1	55	-4.5E 0	-4.5E 0
	(0)		(0/ 1)		(0/ 1)	(0/ 1)
Ra-226	(2)		-7.1E 0	55	3.5E -2	3.5E -2
	(0)		(0/ 1)		(0/ 1)	(0/ 1)
Ac-228	(4)		2.2E 1	55	2.6E 1	2.6E 1
	(0)		(2.1 - 2.4)E 1		(1.8 - 3.3)E 1	(1.8 - 3.3)E 1
			(0/ 2)		(0/ 2)	(0/ 2)
Th-228	(4)		1.7E 1	55	2.6E 1	2.6E 1
	(0)		(1.3 - 2.1)E 1		(2.2 - 3.0)E 1	(2.2 - 3.0)E 1
			(0/ 2)		(1/ 2)	(1/ 2)
Th-230	(2)		-7.1E 0	55	3.5E -2	3.5E -2
	(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. > MDC 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 2011 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, and one control station, TF-06) during the growing season months (June, July and August). These included strawberries in June (Lab numbers 280312001, 2, & 3), tomatoes in July (Lab numbers 283014001, 2, &3) and a second set of tomatoes in August (Lab numbers 284902001, 2, &3).

A gamma analysis was performed on each sample. Naturally occurring K-40 was detected in all samples for both indicator and control stations. The only other natural occurring radionuclide detected was Be-7 (3 out of 9 samples). Similar to past years, 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 due to 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 2011)

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

Radionuclides (No. Analyses) (Non-Routine*)		Required LLD	Indicator Stations Mean Range (No. Detected**)	Station With Highest Mean Station	 Mean Range (No. Detected**)	Control Stations Mean Range (No. Detected**)
Be-7	(9)		2.5E 1	03	2.9E 1	2.7E 1
	(0)		(-1.5 - 8.5)E 1 (2/ 6)		(-1.0 - 8.5)E 1 (1/ 3)	(-6.0 - 70.3)E 0 (1/ 3)
K-40	(9)		1.9E 3	02	2.0E 3	1.6E 3
	(0)		(1.3 - 2.6)E 3 (6/ 6)		(1.3 - 2.6)E 3 (3/ 3)	(9.7 - 23.3)E 2 (3/ 3)
Cr-51	(9)		-6.8E 0	06	-2.6E 0	-2.6E 0
	(0)		(-2.8 - 0.4)E 1 (0/ 6)		(-1.8 - 0.7)E 1 (0/ 3)	(-1.8 - 0.7)E 1 (0/ 3)
Mn-54	(9)		-3.7E -1	06	-1.8E -1	-1.8E -1
	(0)		(-1.3 - 0.3)E 0 (0/ 6)		(-1.7 - 1.4)E 0 (0/ 3)	(-1.7 - 1.4)E 0 (0/ 3)
Co-57	(9)		-5.5E -1	06	3.5E -1	3.5E -1
	(0)		(-1.6 - 0.4)E 0 (0/ 6)		(6.1 - 719.0)E -3 (0/ 3)	(6.1 - 719.0)E -3 (0/ 3)
Co-58	(9)		-7.3E -1	06	8.6E -1	8.6E -1
	(0)		(-3.5 - 2.7)E 0 (0/ 6)		(-2.9 - 20.8)E -1 (0/ 3)	(-2.9 - 20.8)E -1 (0/ 3)
Fe-59	(9)		-4.0E -1	02	5.6E -1	-9.3E -1
	(0)		(-5.2 - 4.5)E 0 (0/ 6)		(-5.2 - 4.5)E 0 (0/ 3)	(-2.5 - 0.3)E 0 (0/ 3)
Co-60	(9)		4.0E -1	02	1.0E 0	2.8E -1
	(0)		(-3.1 - 2.3)E 0 (0/ 6)		(-1.5 - 2.3)E 0 (0/ 3)	(-3.8 - 8.6)E -1 (0/ 3)
Zn-65	(9)		-3.6E 0	06	-1.9E 0	-1.9E 0
	(0)		(-6.5 - 0.6)E 0 (0/ 6)		(-6.3 - 1.2)E 0 (0/ 3)	(-6.3 - 1.2)E 0 (0/ 3)
Se-75	(9)		-9.8E -1	06	4.1E -1	4.1E -1
	(0)		(-2.2 - 0.7)E 0 (0/ 6)		(-8.5 - 13.8)E -1 (0/ 3)	(-8.5 - 13.8)E -1 (0/ 3)
Nb-95	(9)		9.1E -1	06	1.4E 0	1.4E 0
	(0)		(-7.9 - 30.9)E -1 (0/ 6)		(2.2 - 31.4)E -1 (0/ 3)	(2.2 - 31.4)E -1 (0/ 3)
Zr-95	(9)		3.5E -1	02	9.8E -1	5.2E -1
	(0)		(-2.4 - 3.0)E 0 (0/ 6)		(3.8 - 161.0)E -2 (0/ 3)	(-1.4 - 2.1)E 0 (0/ 3)
Ru-103	(9)		-8.9E -1	02	-8.0E -1	-9.0E -1
	(0)		(-1.8 - 0.8)E 0 (0/ 6)		(-1.8 - 0.8)E 0 (0/ 3)	(-9.8 - -7.8)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. > MDC 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 2011)

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)		-2.5E 0	03	5.4E 0	-3.5E 0
	(0)		(-1.9 - 1.5)E 1 (0/ 6)		(-1.0 - 15.3)E 0 (0/ 3)	(-9.6 - 5.2)E 0 (0/ 3)
Ag-108m	(9)		-1.1E 0	03	-8.8E -1	-1.1E 0
	(0)		(-5.0 - 0.9)E 0 (0/ 6)		(-2.8 - 0.6)E 0 (0/ 3)	(-1.9 - -0.3)E 0 (0/ 3)
Ag-110m	(9)		-3.3E 0	06	9.7E -2	9.7E -2
	(0)		(-1.6 - 0.2)E 1 (0/ 6)		(-4.0 - 20.0)E -2 (0/ 3)	(-4.0 - 20.0)E -2 (0/ 3)
Sb-124	(9)		-7.9E -1	02	2.2E -1	6.9E -2
	(0)		(-7.6 - 12.7)E 0 (0/ 6)		(-7.6 - 12.7)E 0 (0/ 3)	(-2.8 - 2.5)E 0 (0/ 3)
Sb-125	(9)		2.1E -1	02	2.0E 0	2.8E -1
	(0)		(-4.0 - 8.6)E 0 (0/ 6)		(-1.4 - 8.6)E 0 (0/ 3)	(-1.2 - 1.2)E 0 (0/ 3)
I-131	(9)	60	-9.3E -2	02	4.4E -1	-2.1E -1
	(0)		(-2.7 - 2.3)E 0 (0/ 6)		(-2.0 - 2.3)E 0 (0/ 3)	(-2.3 - 1.1)E 0 (0/ 3)
Cs-134	(9)	60	-1.1E 0	03	8.9E -1	-2.1E 0
	(0)		(-8.3 - 3.4)E 0 (0/ 6)		(-7.8 - 33.8)E -1 (0/ 3)	(-4.0 - -0.6)E 0 (0/ 3)
Cs-137	(9)	80	1.3E 0	02	2.3E 0	2.3E -1
	(0)		(-1.0 - 6.0)E 0 (0/ 6)		(2.4 - 59.9)E -1 (0/ 3)	(-3.5 - 9.8)E -1 (0/ 3)
Ba-140	(9)		-7.6E -1	02	-5.7E -1	-5.8E -1
	(0)		(-3.3 - 2.0)E 0 (0/ 6)		(-3.3 - 2.0)E 0 (0/ 3)	(-3.2 - 1.6)E 0 (0/ 3)
La-140	(9)		-7.6E -1	02	-5.7E -1	-5.8E -1
	(0)		(-3.3 - 2.0)E 0 (0/ 6)		(-3.3 - 2.0)E 0 (0/ 3)	(-3.2 - 1.6)E 0 (0/ 3)
Ce-141	(9)		-2.4E 0	06	6.6E -1	6.6E -1
	(0)		(-9.8 - 4.2)E 0 (0/ 6)		(-2.6 - 3.2)E 0 (0/ 3)	(-2.6 - 3.2)E 0 (0/ 3)
Ce-144	(9)		-1.3E 0	03	3.8E 0	3.0E -1
	(0)		(-1.7 - 1.2)E 1 (0/ 6)		(-5.9 - 11.5)E 0 (0/ 3)	(-5.8 - 6.1)E 0 (0/ 3)
Ac-228	(9)		2.5E 0	03	6.2E 0	-7.3E 0
	(0)		(-1.1 - 1.0)E 1 (0/ 6)		(1.7 - 10.4)E 0 (0/ 3)	(-1.4 - 0.0)E 1 (0/ 3)
Th-228	(9)		1.6E -1	06	1.2E 0	1.2E 0
	(0)		(-6.7 - 7.4)E 0 (0/ 6)		(1.3 - 34.2)E -1 (0/ 3)	(1.3 - 34.2)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. > MDC 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 2011 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 provides increased reliability for sample availability. For 2011, a total of 20 monthly (growing season) broad leaf vegetation samples were collected and analyzed by gamma spectroscopy.

A gamma analysis was performed on each sample. Naturally occurring K-40 and Be-7 were detected in all samples for both indicator and control stations. The only other natural occurring radionuclides detected were Ac-228 and Th-228 (2 out of 20 samples). Dissimilar to past years, fission product related Cs-137 was detected positive in 6 of the 20 samples (all from control location TG-10). The presence of Cs-137 in this media prompted a detailed evaluation as to the likely source. Section 3.14 describes the assessment of Cs-137 in broad leaf vegetation, as well as other fission product related radionuclides detected in other media during the same time frame of 2011. The conclusion of the assessment was that fallout from the March 11, 2011 Fukushima Daiichi accident in Japan lead to detectable levels of Cs-137 being deposited on the surface of leafy vegetation in the northeast United States. Utilizing the results of broad leaf vegetation sampling for broad leaf food products, it is concluded that there was no dose impact to the public or on the environment through this food ingestion pathway from Seabrook 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 broad leaf vegetation environmental media. Attachment 1 to this report lists the individual analysis results for each measurement of broad leaf 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 2011)

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 (20) (0)		1.5E 3 (8.5 - 39.7)E 2 (12/ 12)	10	1.7E 3 (5.9 - 31.7)E 2 (8/ 8)	1.7E 3 (5.9 - 31.7)E 2 (8/ 8)
K-40 (20) (0)		3.5E 3 (3.0 - 4.1)E 3 (12/ 12)	08	3.5E 3 (3.0 - 4.1)E 3 (6/ 6)	3.1E 3 (2.4 - 3.7)E 3 (8/ 8)
Cr-51 (20) (0)		9.6E 0 (-4.0 - 5.4)E 1 (0/ 12)	10	4.5E 1 (-3.1 - 23.8)E 1 (0/ 8)	4.5E 1 (-3.1 - 23.8)E 1 (0/ 8)
Mn-54 (20) (0)		1.3E 0 (-4.7 - 8.5)E 0 (0/ 12)	09	1.5E 0 (-2.2 - 4.4)E 0 (0/ 6)	2.8E -1 (-4.1 - 11.3)E 0 (0/ 8)
Co-57 (20) (0)		2.1E -1 (-4.2 - 3.5)E 0 (0/ 12)	09	4.9E -1 (-2.6 - 2.2)E 0 (0/ 6)	2.2E -1 (-3.9 - 3.9)E 0 (0/ 8)
Co-58 (20) (0)		-1.2E 0 (-8.0 - 2.0)E 0 (0/ 12)	10	9.9E -1 (-7.4 - 5.4)E 0 (0/ 8)	9.9E -1 (-7.4 - 5.4)E 0 (0/ 8)
Fe-59 (20) (0)		-3.3E 0 (-1.5 - 0.8)E 1 (0/ 12)	10	4.4E 0 (-6.8 - 17.3)E 0 (0/ 8)	4.4E 0 (-6.8 - 17.3)E 0 (0/ 8)
Co-60 (20) (0)		-6.0E -1 (-1.5 - 0.5)E 1 (0/ 12)	08	1.0E 0 (-6.0 - 3.8)E 0 (0/ 6)	-4.3E -1 (-6.4 - 4.3)E 0 (0/ 8)
Zn-65 (20) (0)		-4.2E 0 (-1.9 - 1.6)E 1 (0/ 12)	09	-2.2E 0 (-1.9 - 1.1)E 1 (0/ 6)	-3.6E 0 (-2.1 - 0.4)E 1 (0/ 8)
Se-75 (20) (0)		-7.0E -1 (-5.9 - 2.3)E 0 (0/ 12)	09	-6.4E -1 (-3.5 - 1.8)E 0 (0/ 6)	-6.6E -1 (-6.6 - 4.8)E 0 (0/ 8)
Nb-95 (20) (0)		7.4E -1 (-8.5 - 5.5)E 0 (0/ 12)	08	1.0E 0 (-8.5 - 4.9)E 0 (0/ 6)	-1.1E 0 (-7.9 - 7.3)E 0 (0/ 8)
Zr-95 (20) (0)		4.8E -1 (-6.1 - 6.0)E 0 (0/ 12)	10	9.3E -1 (-1.4 - 1.1)E 1 (0/ 8)	9.3E -1 (-1.4 - 1.1)E 1 (0/ 8)
Ru-103 (20) (0)		-1.9E 0 (-8.4 - 1.7)E 0 (0/ 12)	10	5.5E -1 (-7.2 - 12.7)E 0 (0/ 8)	5.5E -1 (-7.2 - 12.7)E 0 (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. > MDC 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 2011)

MEDIUM: Vegetation (TG) 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**)
Ru-106	(20)		-6.7E 0	10	9.2E 0	9.2E 0
	(0)		(-4.8 - 5.8)E 1 (0/ 12)		(-4.7 - 5.8)E 1 (0/ 8)	(-4.7 - 5.8)E 1 (0/ 8)
Ag-108m	(20)		-1.3E 0	10	3.7E -1	3.7E -1
	(0)		(-5.7 - 1.6)E 0 (0/ 12)		(-4.2 - 6.0)E 0 (0/ 8)	(-4.2 - 6.0)E 0 (0/ 8)
Ag-110m	(20)		-2.8E 0	10	-5.2E -1	-5.2E -1
	(0)		(-1.4 - 0.3)E 1 (0/ 12)		(-1.4 - 0.4)E 1 (0/ 8)	(-1.4 - 0.4)E 1 (0/ 8)
Sb-124	(20)		-2.0E 0	10	6.2E 0	6.2E 0
	(0)		(-1.0 - 1.2)E 1 (0/ 12)		(-8.1 - 24.4)E 0 (0/ 8)	(-8.1 - 24.4)E 0 (0/ 8)
Sb-125	(20)		4.0E 0	09	4.1E 0	-9.0E -1
	(0)		(-1.2 - 2.0)E 1 (0/ 12)		(-3.4 - 12.7)E 0 (0/ 6)	(-7.8 - 12.9)E 0 (0/ 8)
I-131	(20)	60	-1.1E 0	10	7.6E 2	7.6E 2
	(0)		(-4.9 - 1.6)E 1 (0/ 12)		(-6.9 - 68.2)E 2 (0/ 8)	(-6.9 - 68.2)E 2 (0/ 8)
Cs-134	(20)	60	5.4E 0	09	5.4E 0	3.0E 0
	(0)		(-2.3 - 16.2)E 0 (0/ 12)		(-7.7 - 162.0)E -1 (0/ 6)	(-6.1 - 7.4)E 0 (0/ 8)
Cs-137	(20)	80	1.9E 0	10	3.6E 1	3.6E 1
	(0)		(-6.0 - 12.1)E 0 (0/ 12)		(5.6 - 99.3)E 0 (6/ 8)	(5.6 - 99.3)E 0 (6/ 8)
Ba-140	(20)		-3.0E 0	10	3.4E 1	3.4E 1
	(0)		(-3.2 - 1.0)E 1 (0/ 12)		(-4.2 - 35.0)E 1 (0/ 8)	(-4.2 - 35.0)E 1 (0/ 8)
La-140	(20)		-3.0E 0	10	3.4E 1	3.4E 1
	(0)		(-3.2 - 1.0)E 1 (0/ 12)		(-4.2 - 35.0)E 1 (0/ 8)	(-4.2 - 35.0)E 1 (0/ 8)
Ce-141	(20)		2.0E 0	10	1.1E 1	1.1E 1
	(0)		(-7.9 - 17.8)E 0 (0/ 12)		(-2.3 - 40.7)E 0 (0/ 8)	(-2.3 - 40.7)E 0 (0/ 8)
Ce-144	(20)		-2.0E 0	08	1.9E 0	-7.5E -1
	(0)		(-3.2 - 5.8)E 1 (0/ 12)		(-3.2 - 5.8)E 1 (0/ 6)	(-3.0 - 6.5)E 1 (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. > MDC 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 2011)

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**)
Ac-228 (20)		3.3E 1	09	3.9E 1	2.9E 1
(0)		(5.5 - 72.2)E 0		(5.5 - 72.2)E 0	(-1.4 - 8.8)E 1
		(1/ 12)		(1/ 6)	(0/ 8)
Th-228 (20)		7.7E 0	09	1.2E 1	1.1E 1
(0)		(-1.1 - 4.1)E 1		(-7.4 - 40.7)E 0	(-1.6 - 42.4)E 0
		(2/ 12)		(1/ 6)	(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. > MDC 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 2011 data for the plant operational REMP is shown in Table 3.13-1. Figures 3.6 through 3.14 provide a comparison of quarterly TLD location responses in 2011 which exhibit the natural variation in exposure rates quarter to quarter. Figures 3.6.1 through 3.14.1 provide a long term trend line for each of the environmental TLD locations. The exposure rate response at individual monitoring stations have on occasions exhibited step changes at some point in the past that are likely related to changes in local conditions in the area of the dosimeter measurement. As an example, TL-69 was moved in August, 2010, several hundred feet from its original placement to support construction of a new firing range near the site boundary. Since then (4^{th} quarter of 2010 through the 4^{th} quarter of 2011) the average quarterly TLD response has been observed to be 14.8 mR. From 1^{st} quarter 2009 through the 2^{nd} quarter of 2010 prior to the relocation of the dosimeter, the average quarterly response was 18.1 mR. The movement of location TL-69 saw a step decrease in the observed exposure rate of approximately 18.6%, or about 3.4 mR/quarter. No other step changes at other near area monitoring locations were noted during this time indicating that plant operations were not the cause, but that the ambient background level at the new location is inherently lower than the original site.

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 (as a group) are statistically the same as control locations. The 2011 annual mean of all indicator locations was 16.4 mR/91-day quarter while the mean of all control locations was 18.0 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 2011 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 2011.

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

Any TLD 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)

2011

Sta. No.	Description	1st Quarter Exp.	S.D.	2nd Quarter Exp.	S.D.	3rd Quarter Exp.	S.D.	4th Quarter Exp.	S.D.	Qtr Ave Over Yr Exp.
TL-01	Brimmer's Lane	15.8 ±	0.9	20.4 ±	0.9	18.1 ±	0.8	19.4 ±	1.0	18.4
TL-02	Landing Road	12.7 ±	0.7	15.2 ±	0.7	13.4 ±	0.7	15.0 ±	0.7	14.1
TL-03	Glade Path	14.6 ±	1.0	15.6 ±	0.7	# ±	#	15.6 ±	0.8	15.3
TL-04	Island Path	14.3 ±	0.7	16.8 ±	0.8	15.4 ±	0.8	17.0 ±	1.0	15.9
TL-05	Harbor Road	13.6 ±	0.7	15.3 ±	0.6	14.1 ±	0.7	15.2 ±	0.6	14.6
TL-06	Barge Landing	13.0 ±	0.7	18.8* ±	1.4	14.9 ±	0.8	15.3 ±	0.6	15.5
TL-07	Cross Road	12.0 ±	0.7	13.1 ±	0.8	12.0 ±	0.8	13.1 ±	0.8	12.6
TL-08	Farm Lane	13.5 ±	0.7	18.5* ±	2.2	15.3 ±	0.9	17.3 ±	0.7	16.2
TL-09	Farm Lane	14.0 ±	0.8	17.4 ±	1.1	15.7 ±	0.8	17.4 ±	0.9	16.1
TL-10	Site Boundary	14.3 ±	0.8	20.3 ±	0.9	17.0 ±	1.0	20.4+ ±	1.3	18.0
TL-11	Site Boundary	16.9 ±	1.5	19.9 ±	1.1	16.9 ±	0.8	17.8 ±	0.9	17.9
TL-12	Site Boundary	13.8 ±	0.7	19.9 ±	0.9	17.7 ±	0.8	19.6 ±	1.0	17.8
TL-13	Inside Site Boundary	17.6 ±	0.8	21.8 ±	1.2	19.3 ±	1.0	19.2 ±	0.9	19.5
TL-14	Trailer Park	14.2 ±	0.9	17.3 ±	0.8	15.6 ±	0.8	16.9 ±	0.8	16.0
TL-15	Brimmer's Lane	15.7 ±	0.9	20.2 ±	0.8	18.5 ±	1.2	19.2 ±	1.1	18.4
TL-16	Brimmer's Lane	14.5 ±	0.7	17.6 ±	0.9	15.7 ±	0.8	17.1 ±	0.8	16.2
TL-17	South Road	14.7 ±	0.9	17.4 ±	0.9	17.3 ±	0.9	17.6 ±	0.8	16.8
TL-18	Mill Road	13.1 ±	0.7	16.8 ±	0.7	16.1 ±	0.9	16.9 ±	1.5	15.7
TL-19	Appledore Avenue	14.1 ±	0.8	16.3 ±	0.6	15.3 ±	0.7	16.3 ±	0.6	15.5
TL-20	Ashworth Avenue	14.8 ±	0.9	18.6 ±	1.0	16.3 ±	0.7	18.1 ±	1.0	17.0
TL-21	Route 1A	15.0 ±	0.8	17.9 ±	0.7	17.8 ±	0.9	18.7 ±	0.8	17.4
TL-22	Cable Avenue	13.1 ±	0.9	16.7 ±	0.8	16.6 ±	0.9	17.9 ±	0.8	16.1
TL-23	Ferry Road	13.8 ±	0.8	16.7 ±	0.7	14.7 ±	0.8	17.4 ±	0.8	15.7
TL-24	Ferry Lots Lane	12.9 ±	0.7	15.6 ±	0.7	14.4 ±	0.7	16.6 ±	0.6	14.9
TL-25	Elm Street	12.3 ±	0.7	15.9 ±	0.8	14.5 ±	0.7	16.9 ±	0.8	14.9
TL-26	Route 107A	12.6 ±	0.6	15.9 ±	1.0	15.0 ±	0.9	18.0 ±	0.7	15.4
TL-27	Highland Street	14.4 ±	0.9	16.5 ±	0.8	16.0 ±	1.2	18.2 ±	0.8	16.3
TL-28	Route 150	13.3 ±	0.7	17.0 ±	0.8	16.0 ±	0.8	19.1 ±	0.8	16.4
TL-29	Frying Pan Lane	13.1 ±	0.7	16.3 ±	0.8	14.6 ±	0.8	17.7 ±	1.2	15.4
TL-30	Route 27	12.1 ±	0.7	16.3 ±	0.8	17.1 ±	0.8	17.2 ±	0.9	15.7
TL-31	Alumni Drive	11.4 ±	0.9	15.2 ±	0.7	14.1 ±	0.7	16.4 ±	0.8	14.3
TL-32	SB Elementary School	16.2 ±	1.4	18.9 ±	0.8	17.7 ±	1.4	19.7 ±	1.0	18.1
TL-33	Dock Area	16.6 ±	1.6	23.1 ±	1.4	21.1 ±	1.1	24.9 ±	1.4	21.4
TL-34	Bow Street	16.5 ±	1.0	20.2 ±	0.8	22.5 ±	2.5	21.3 ±	1.3	20.1
TL-35	Lincoln Ack. School	15.4 ±	1.9	19.4 ±	0.8	18.8 ±	0.9	20.5 ±	1.1	18.5
TL-36	Route 97 (Control)	14.4 ±	0.8	20.2* ±	1.7	15.3 ±	1.5	16.3 ±	0.6	16.6
TL-37	Plaistow,NH (Control)	14.4 ±	0.8	19.2 ±	1.2	18.5 ±	1.1	20.2 ±	0.9	18.1
TL-38	Hampstead,NH (Control)	19.5 ±	1.1	21.7 ±	1.4	19.2 ±	0.9	21.7 ±	1.7	20.5
TL-39	Fremont,NH (Control)	18.4 ±	1.1	22.8 ±	1.0	20.9 ±	0.9	24.3 ±	0.9	21.6
TL-40	Newmarket,NH (Control)	13.9 ±	0.8	18.2 ±	1.0	17.9 ±	1.1	19.6 ±	1.1	17.4

TABLE 3.13-1 (Continued)

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

2011

Sta. No.	Description	1st Quarter Exp.	S.D.	2nd Quarter Exp.	S.D.	3rd Quarter Exp.	S.D.	4th Quarter Exp.	S.D.	Qtr Ave Over Yr Exp.
TL-41	Portsmouth,NH (Control)	14.9 ±	0.9	21.0* ±	3.9	17.3 ±	1.1	18.0 ±	0.6	17.8
TL-42	Ipswich,MA (Control)	12.7 ±	0.8	# ±	#	14.0 ±	0.8	14.8 ±	0.6	13.8
TL-43	Rocks Road Landing	11.5 ±	0.7	13.5 ±	0.8	14.1 ±	0.8	15.4 ±	0.8	13.6
TL-44	SB Education Center	12.7 ±	0.8	15.5 ±	0.7	14.9 ±	1.1	16.4 ±	0.7	14.9
TL-45	Hampton Fire Station	15.3 ±	0.9	17.4 ±	0.8	17.1 ±	0.9	18.5 ±	0.8	17.1
TL-46	SB Police Station	14.4 ±	0.9	16.5 ±	0.6	17.0 ±	0.8	18.3 ±	1.0	16.6
TL-47	Route 84	13.2 ±	0.8	15.6 ±	1.0	16.2 ±	1.0	16.7 ±	1.0	15.4
	Mean of Indicators	14.1		17.4		16.3		17.8		16.4
	Mean of Controls	15.5		20.5		17.6		19.3		18.0

\# TLD was missing at quarterly change-out.
* Dosimeters were observed to be wet at time of analysis.
\+ Includes extrapolation of response to cover early removal of TLD in December.

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.	Qtr Ave Over Yr 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

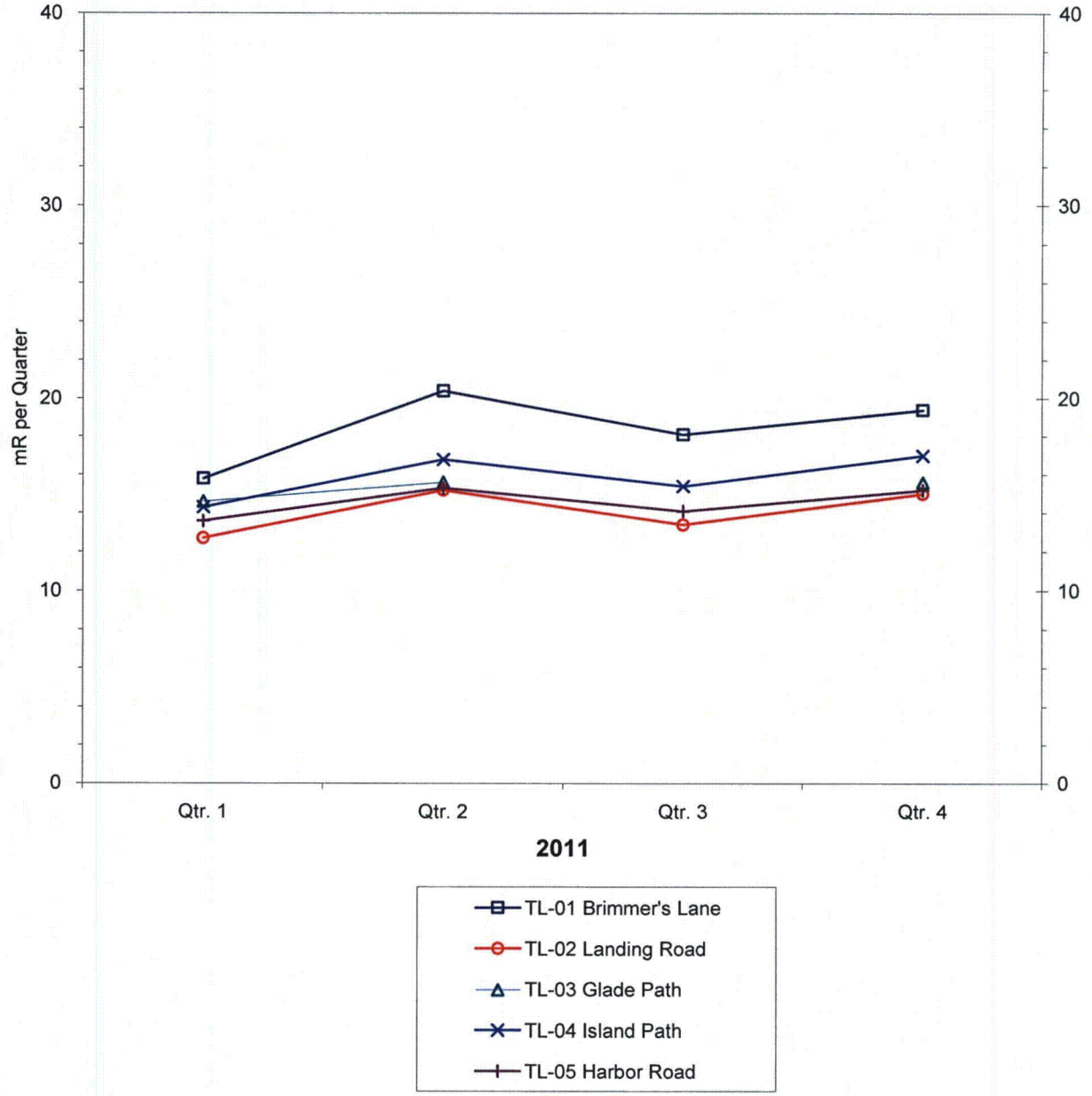


FIGURE 3.6.1

ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs)
SEABROOK STATION

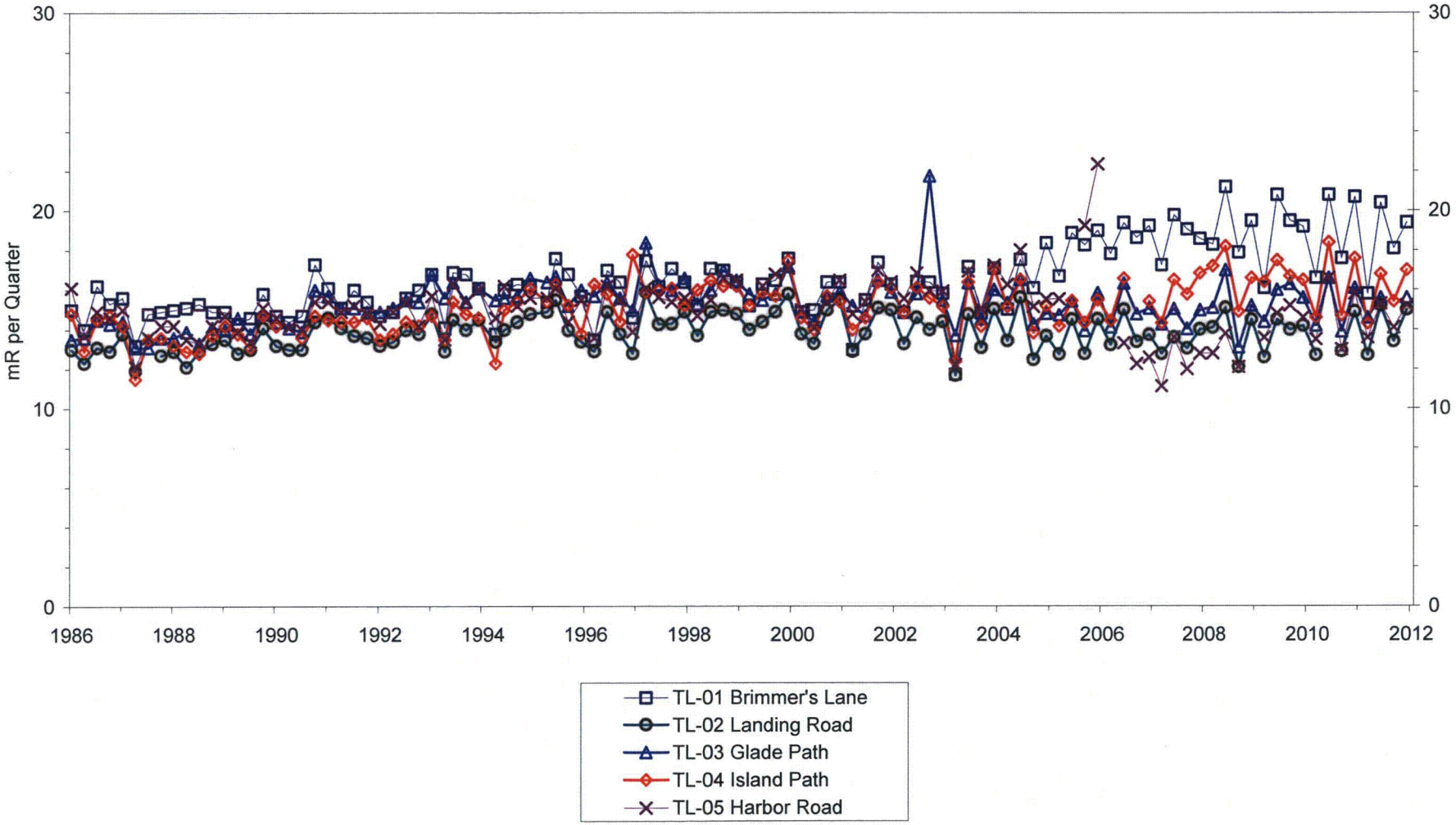


FIGURE 3.7

ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs)
SEABROOK STATION

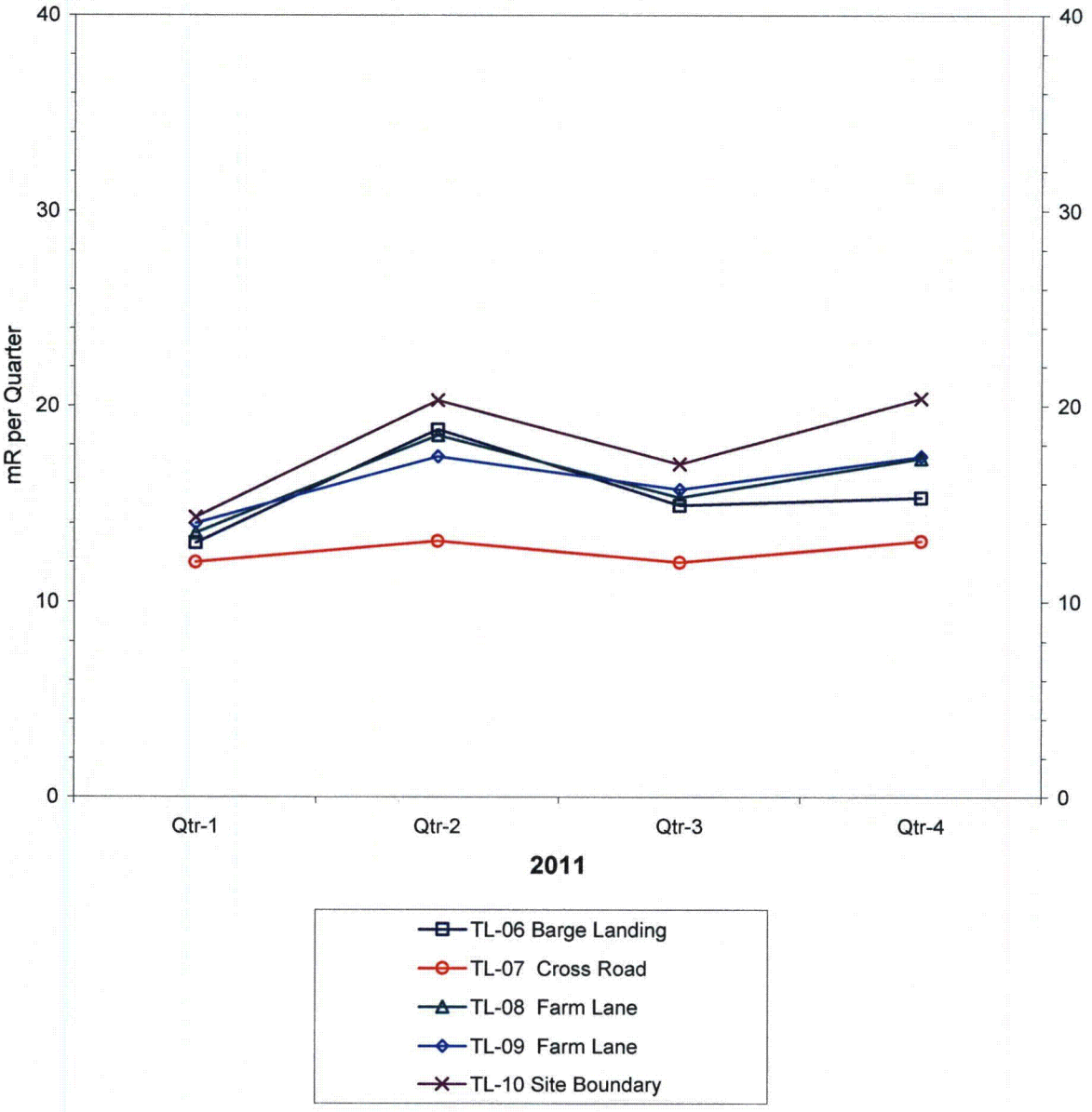


FIGURE 3.7.1

ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs)
SEABROOK STATION

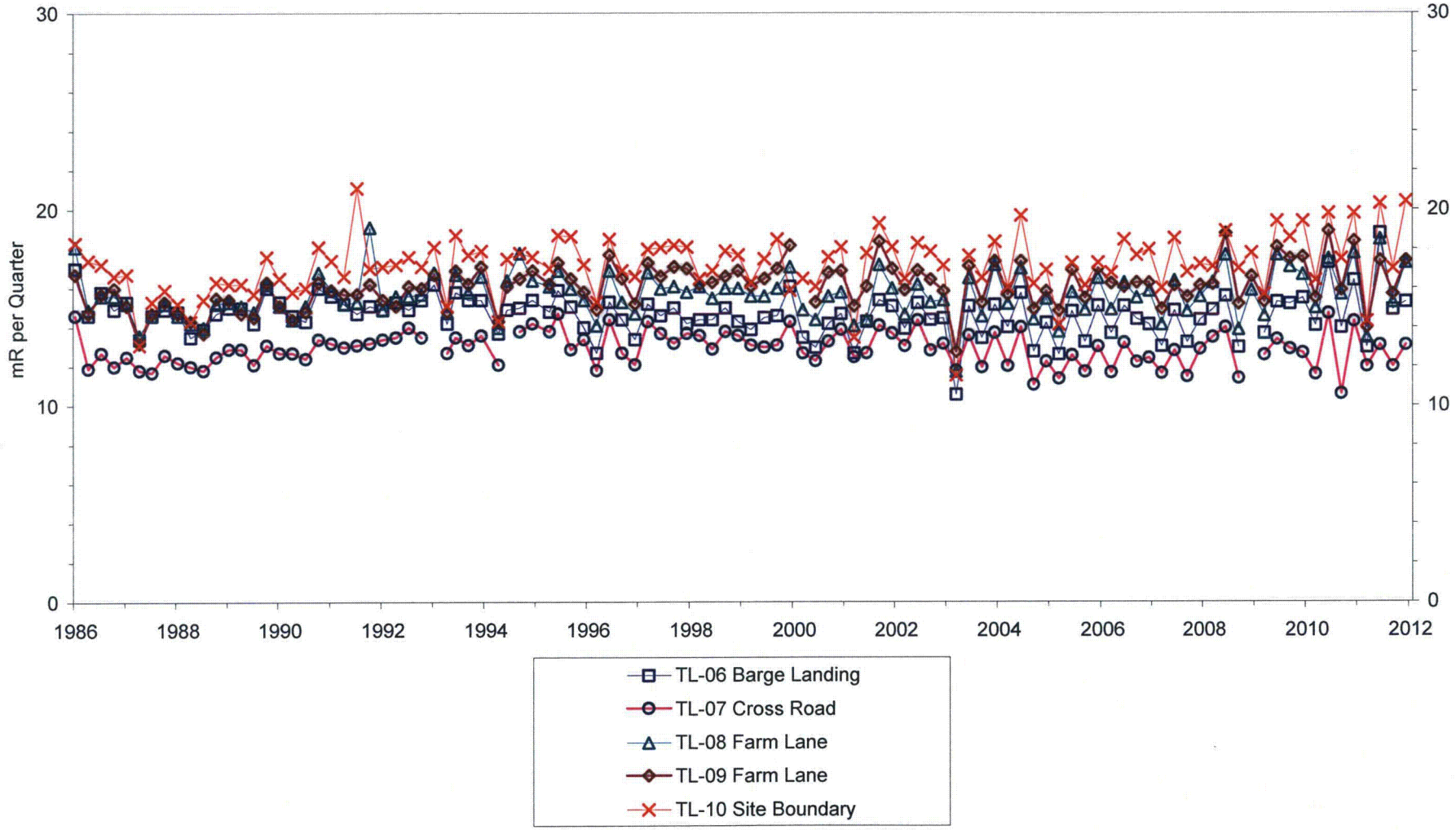


FIGURE 3.8

ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs)
SEABROOK STATION

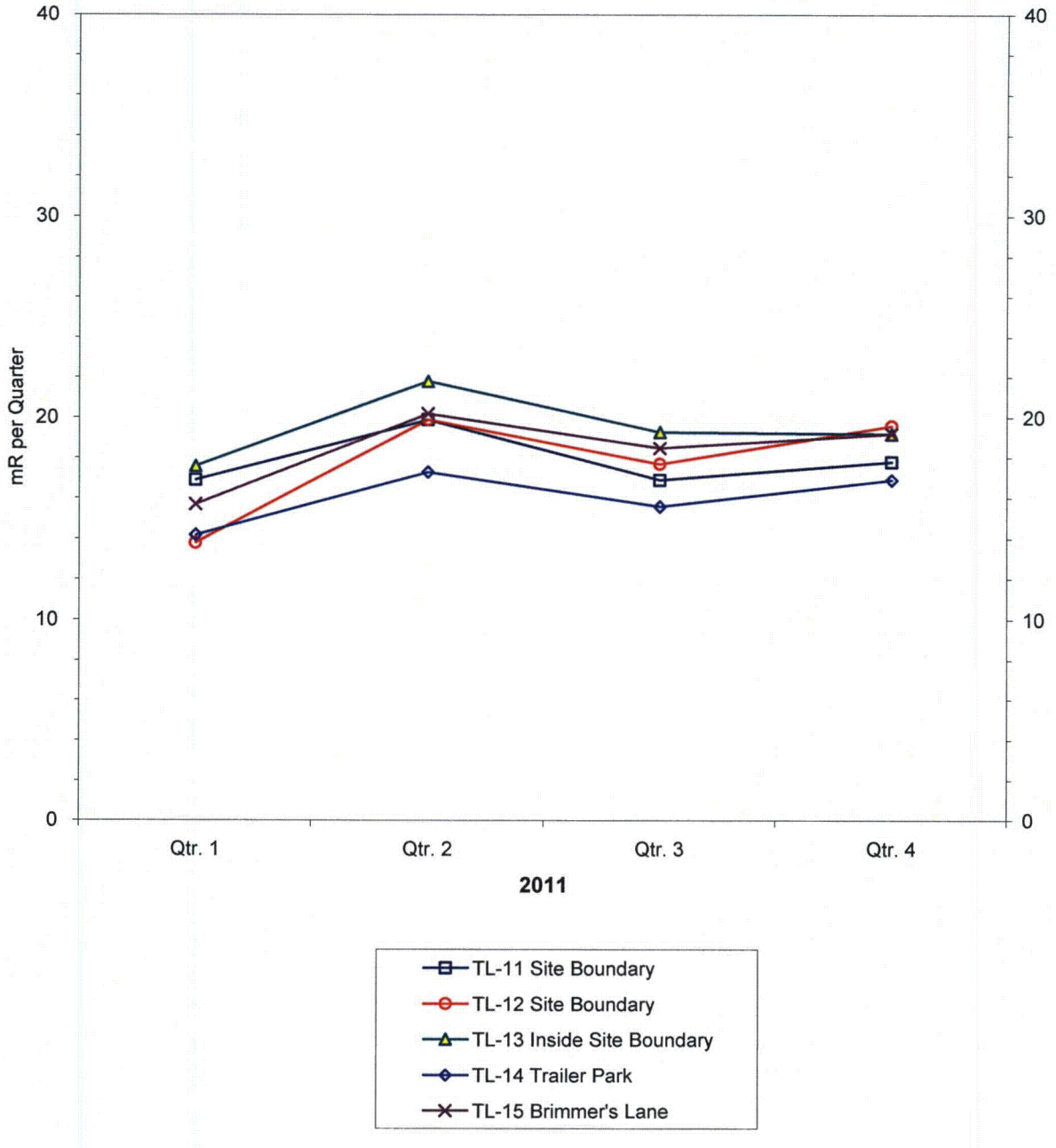


FIGURE 3.8.1

ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs)
SEABROOK STATION

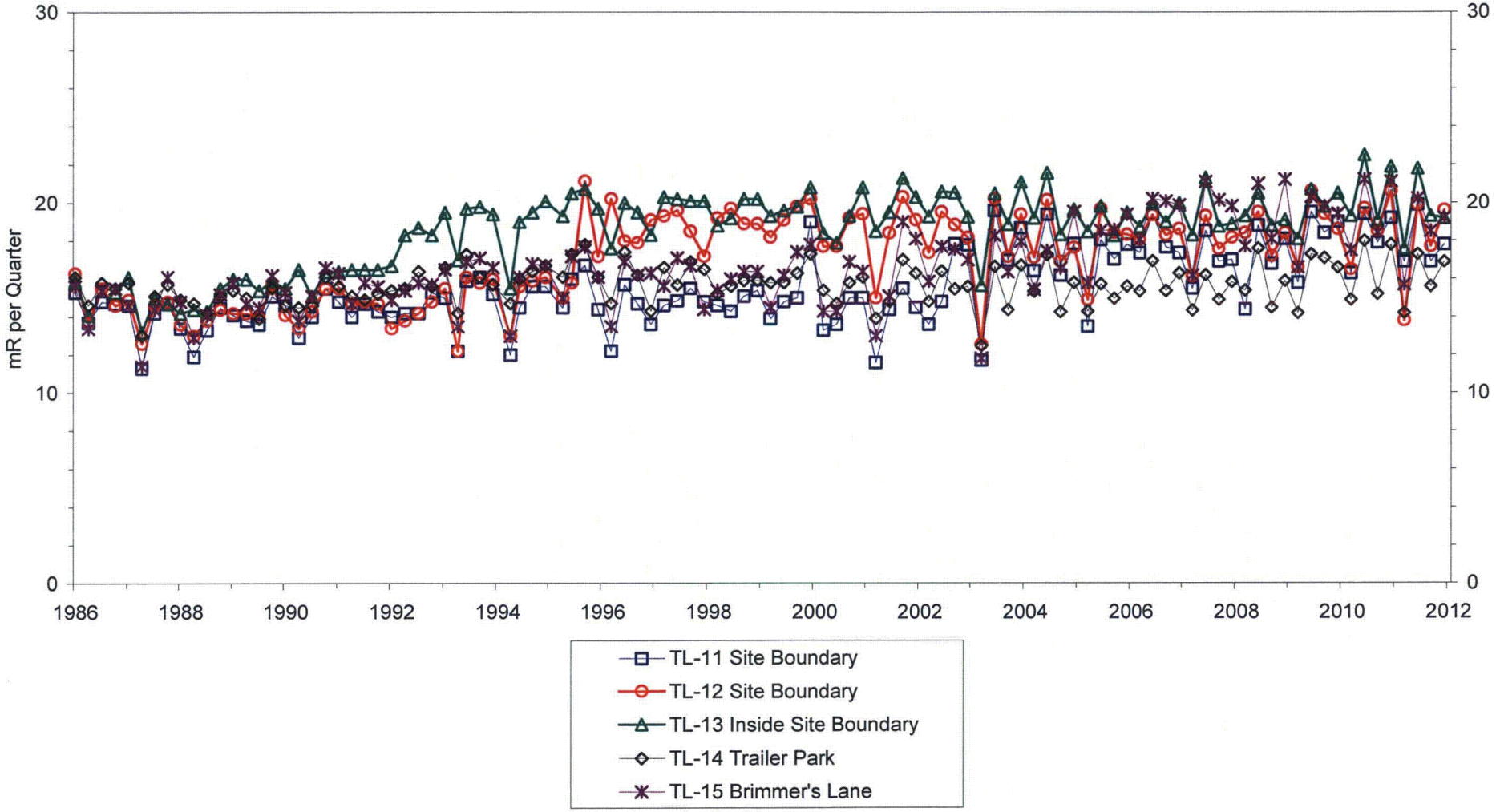


FIGURE 3.9

ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs)
SEABROOK STATION

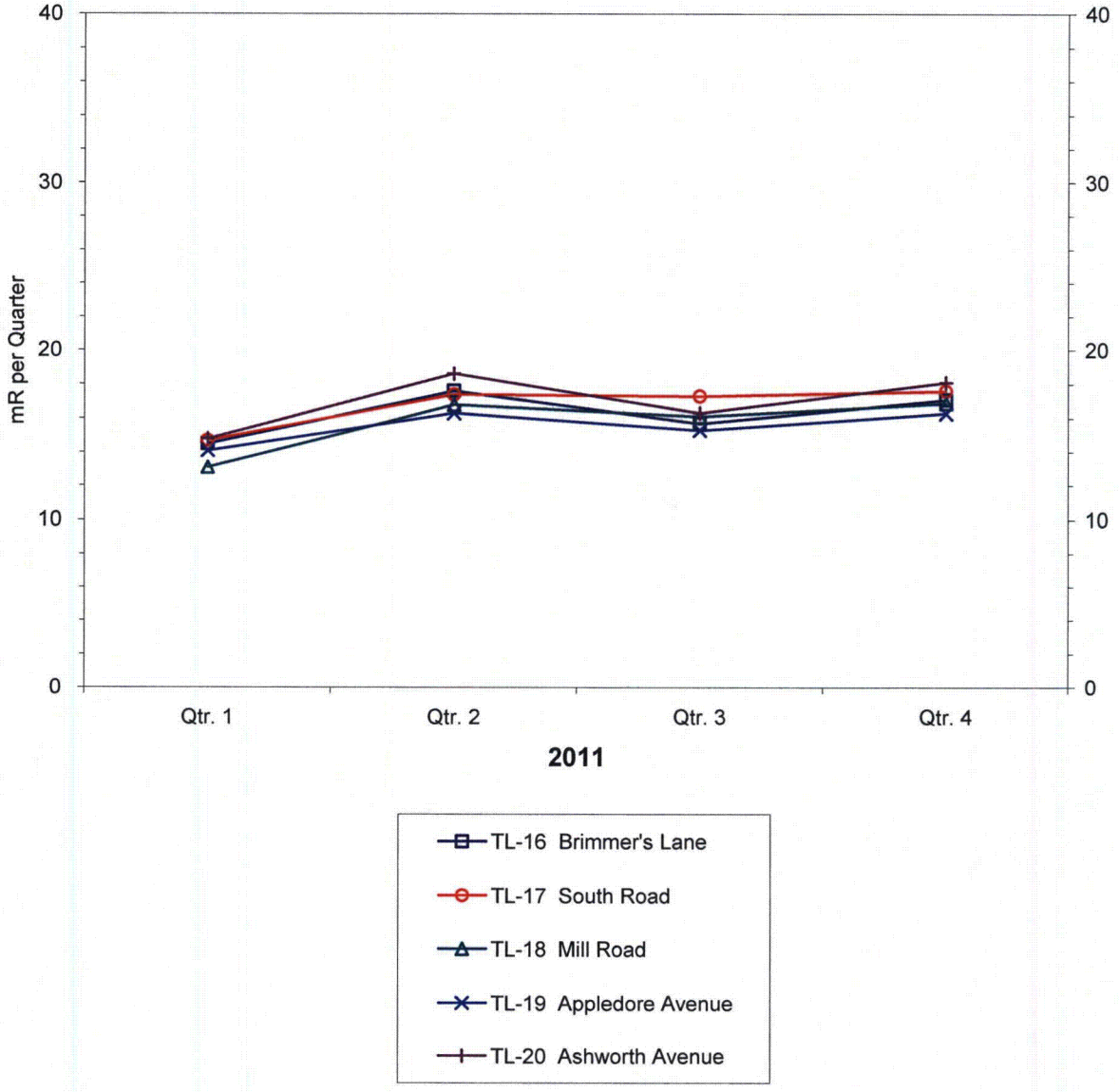


FIGURE 3.9.1

ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs)
SEABROOK STATION

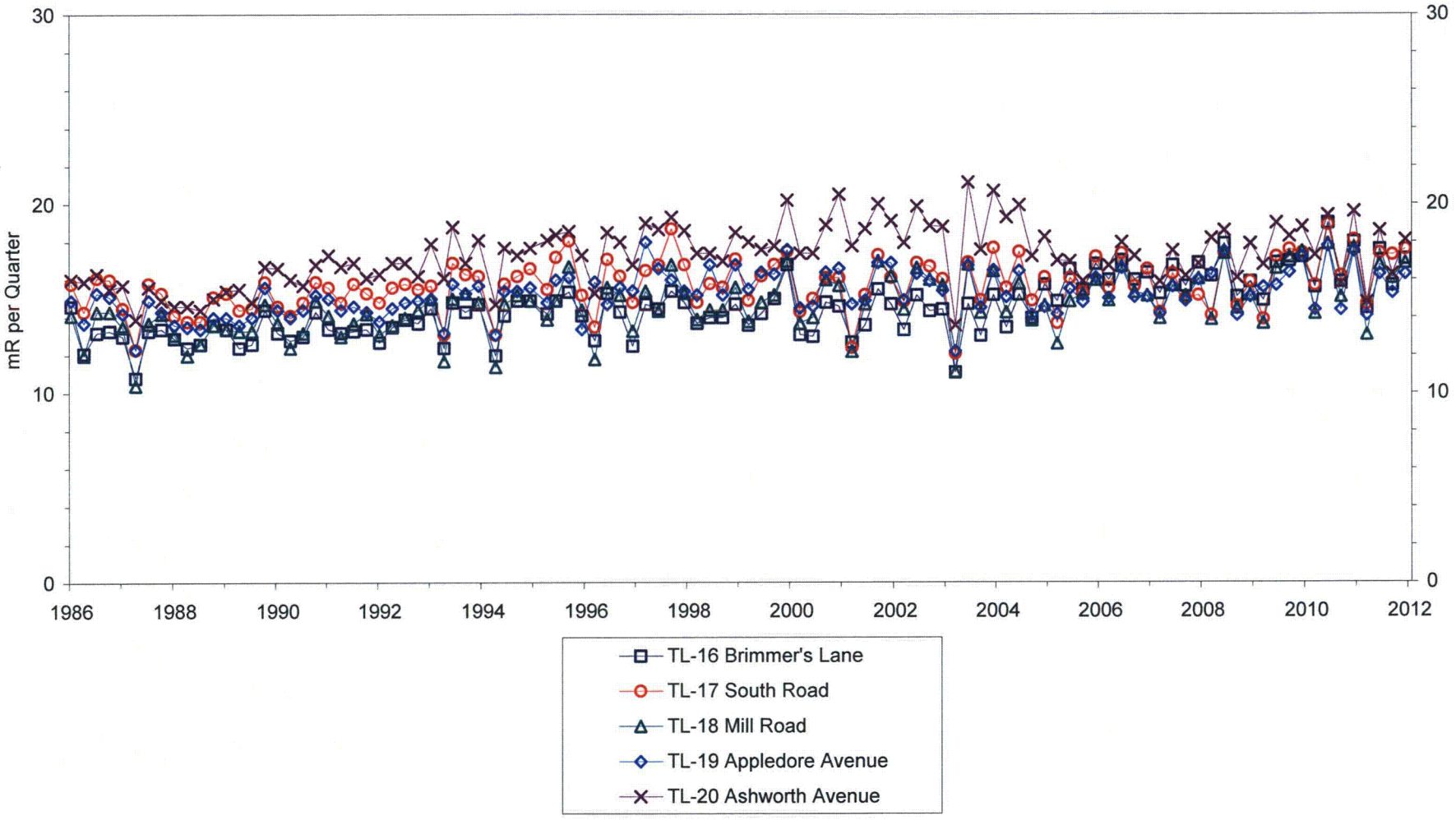


FIGURE 3.10

ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs)
SEABROOK STATION

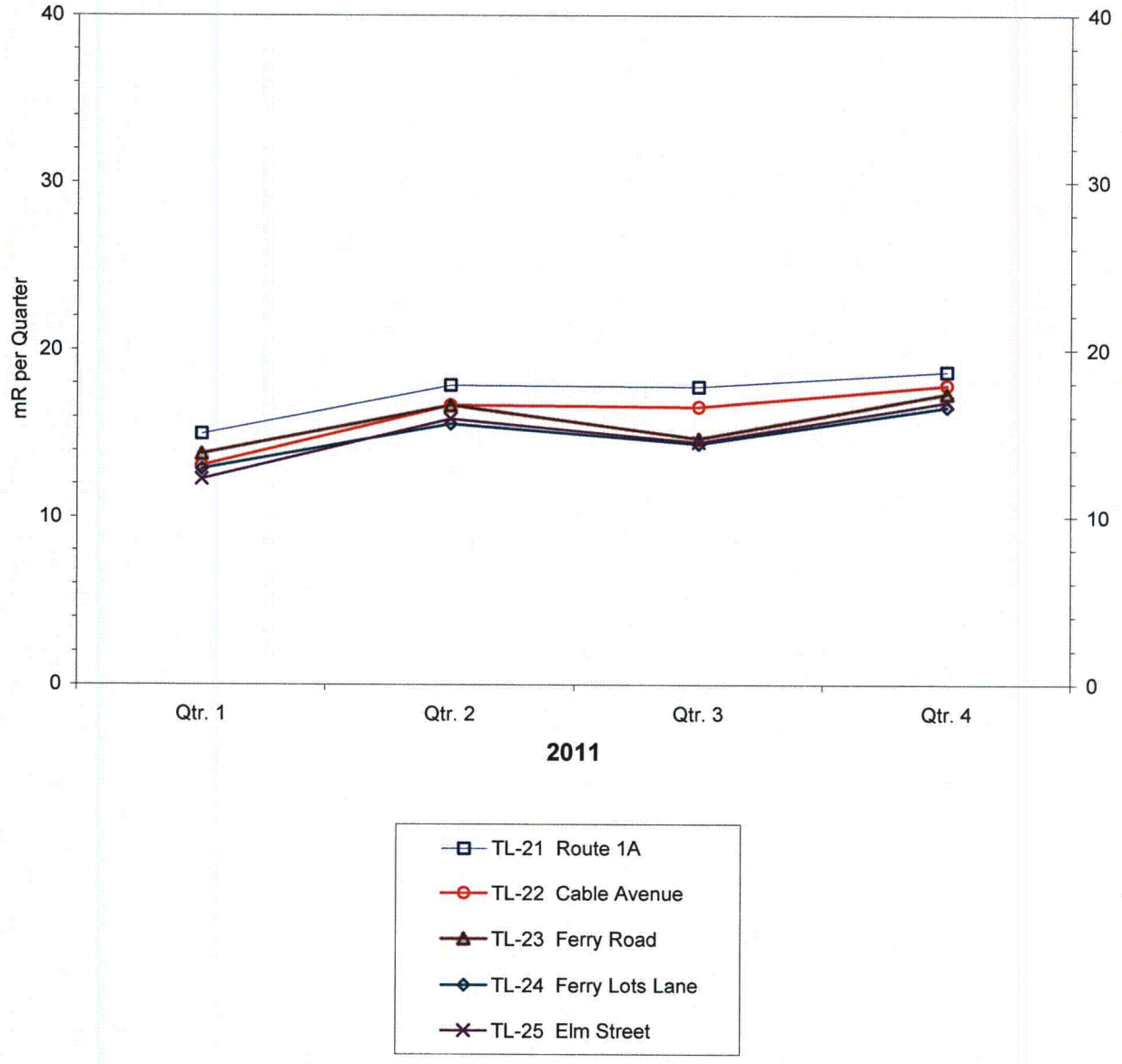


FIGURE 3.10.1

ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs)
SEABROOK STATION

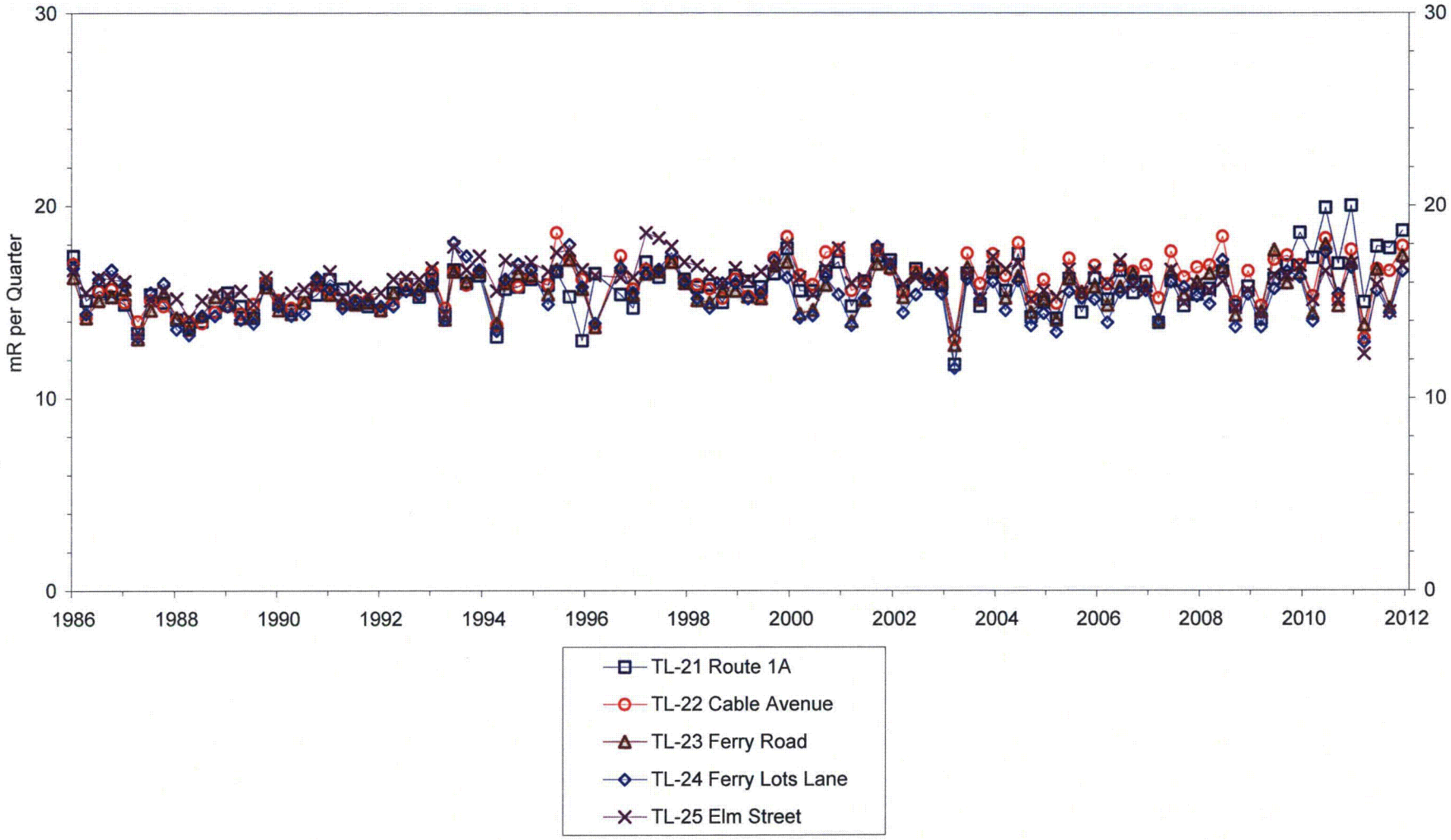


FIGURE 3.11

ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs)
SEABROOK STATION

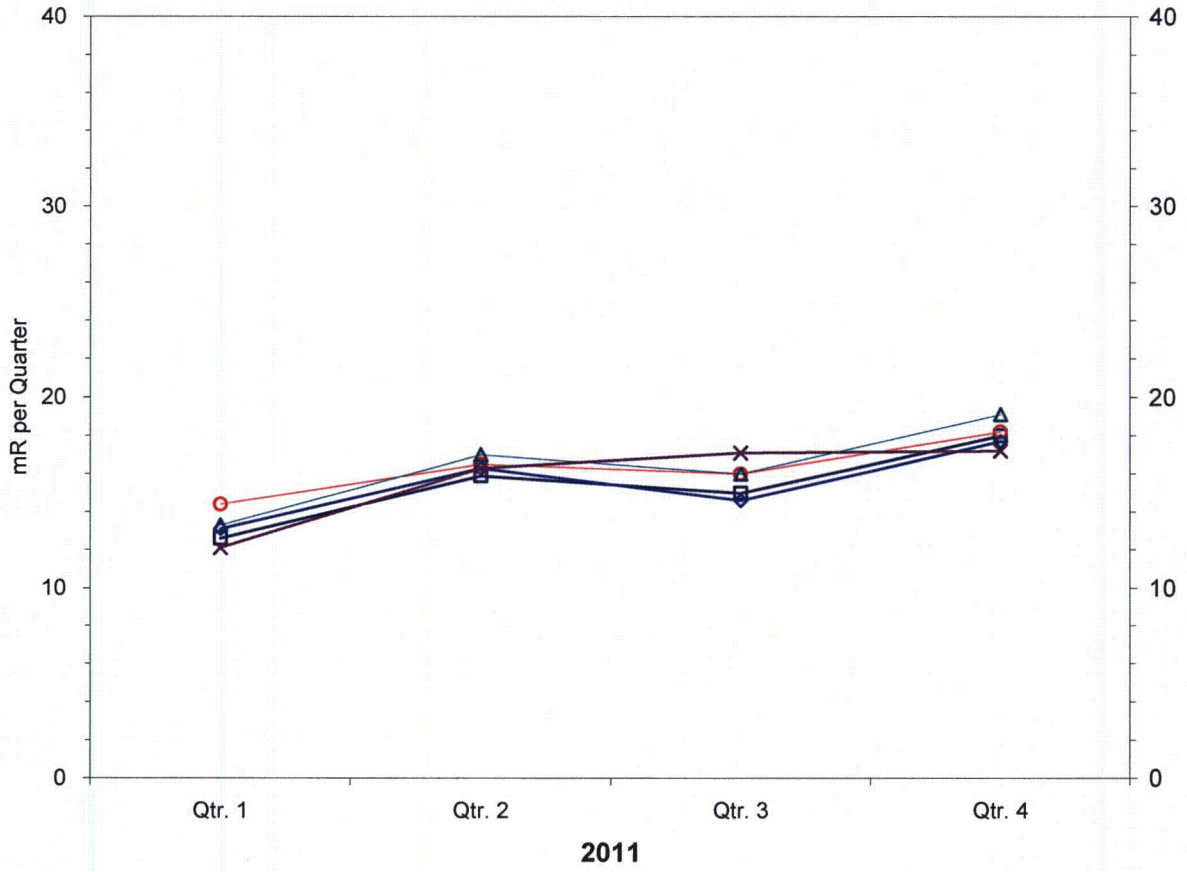


FIGURE 3.11.1

ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs)
SEABROOK STATION

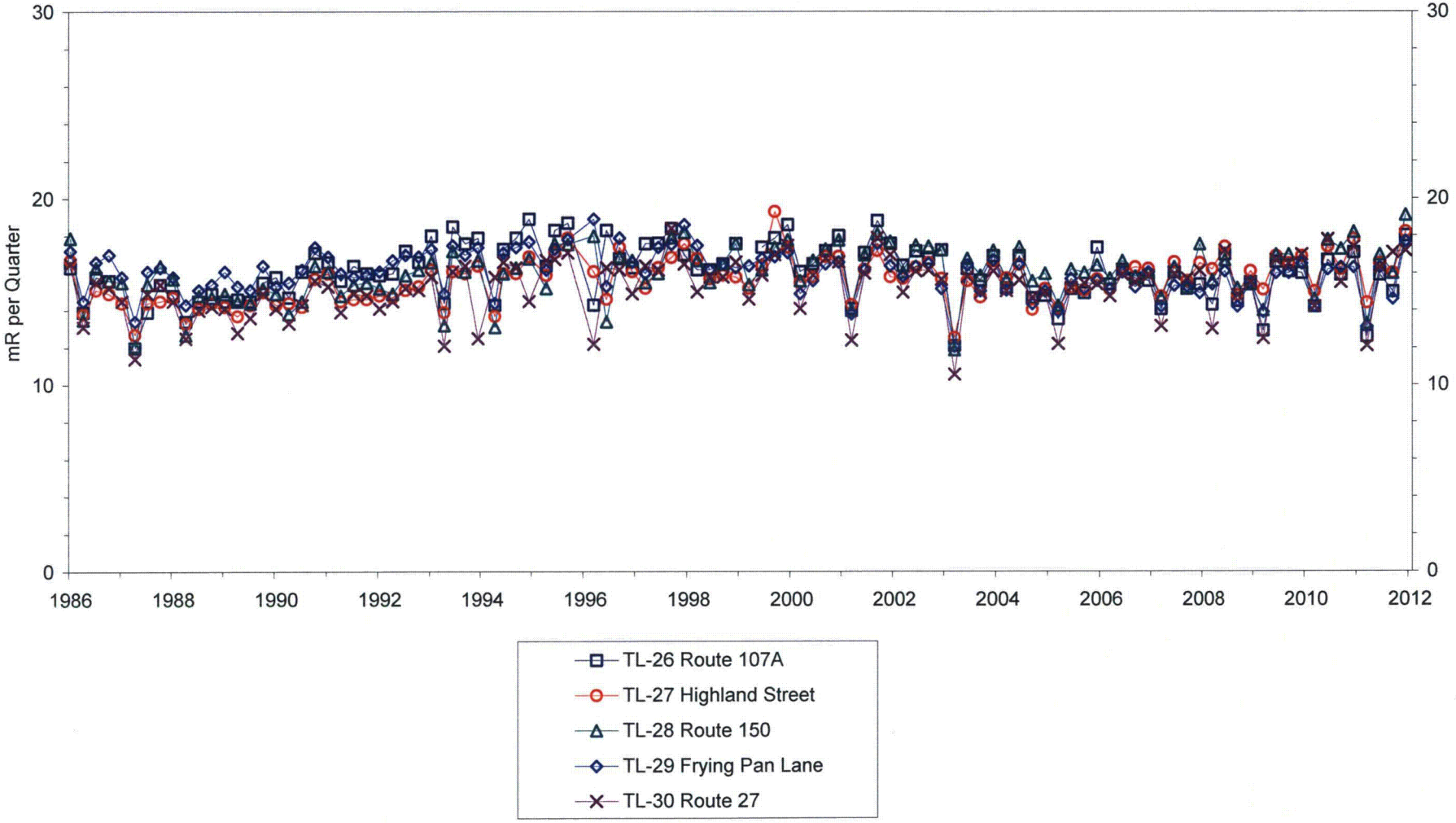


FIGURE 3.12

ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs)
SEABROOK STATION

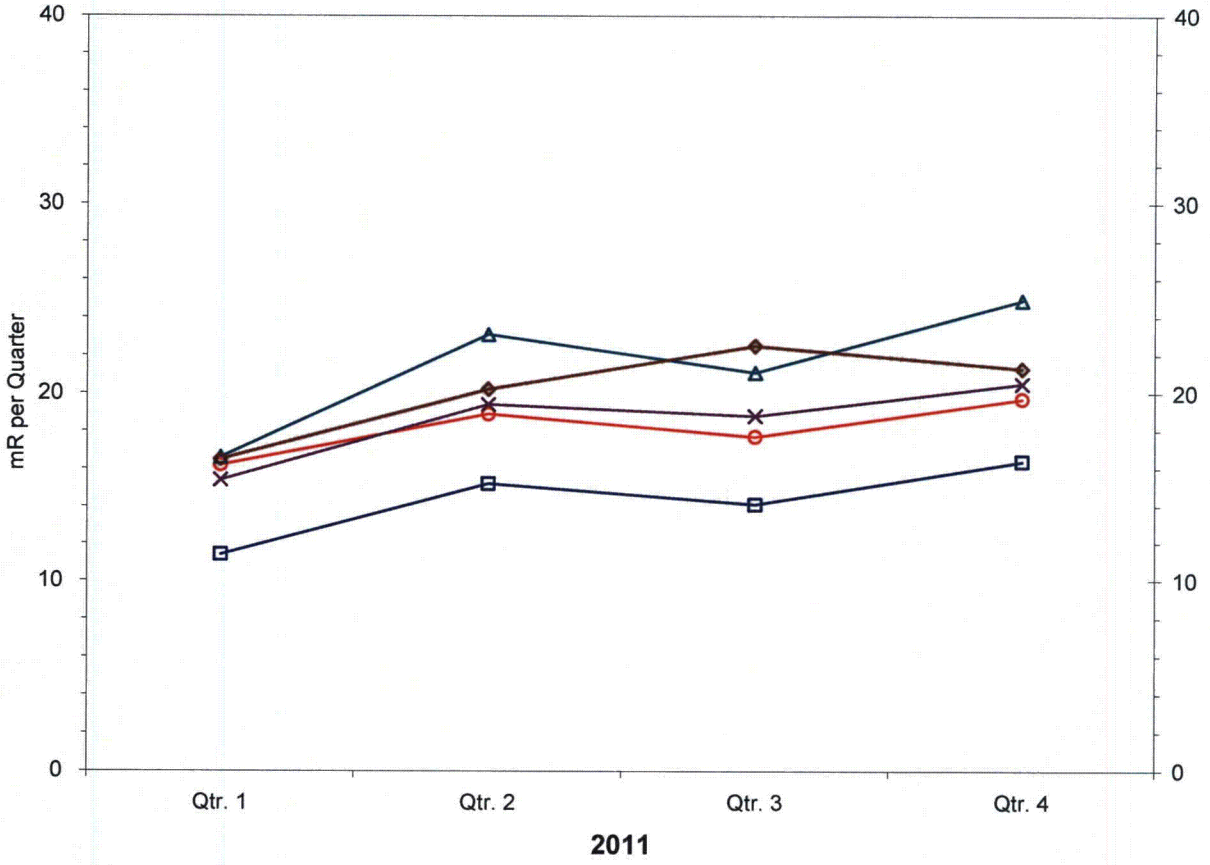


FIGURE 3.12.1

ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs)
SEABROOK STATION

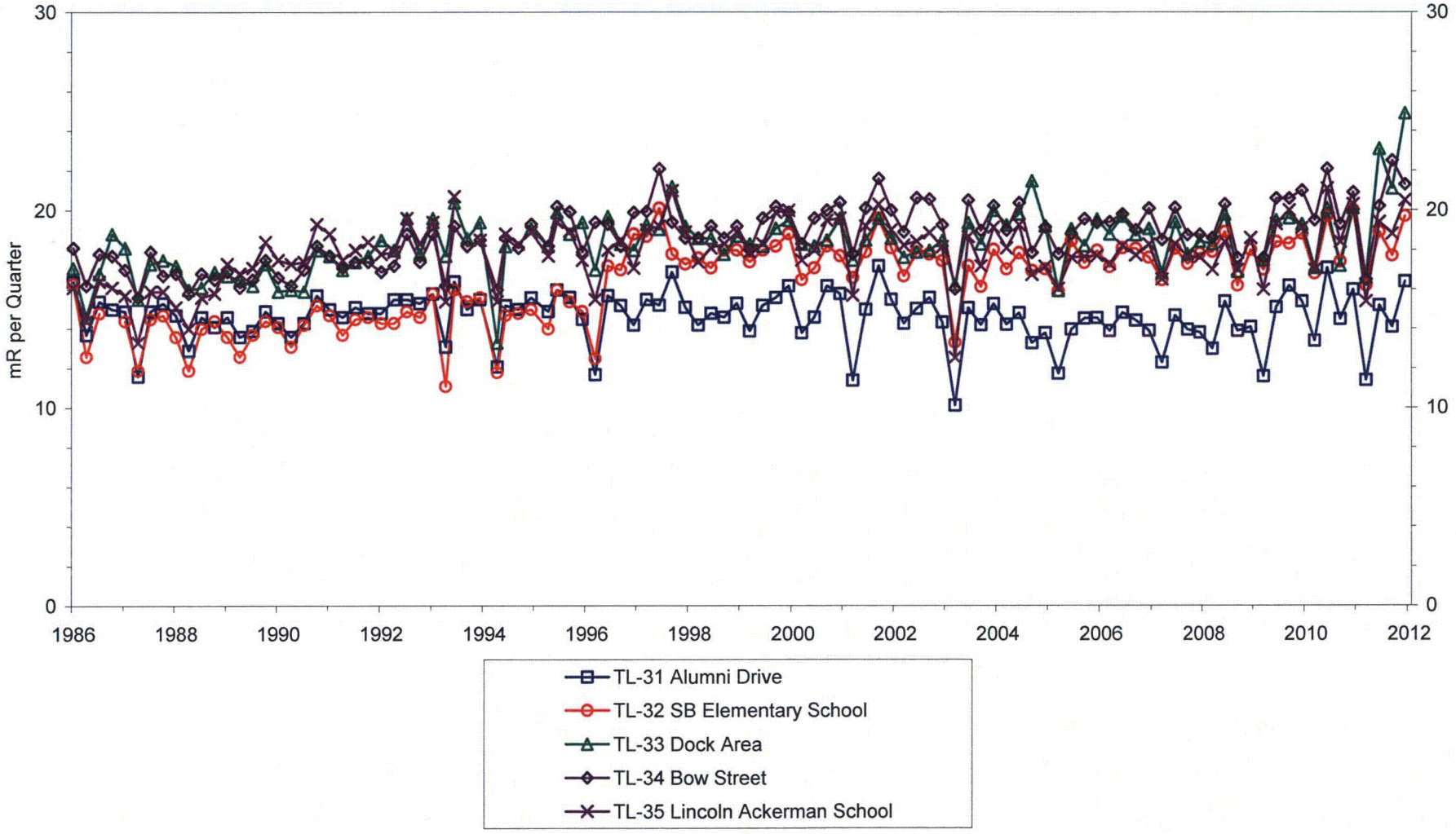


FIGURE 3.13

ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs)
SEABROOK STATION

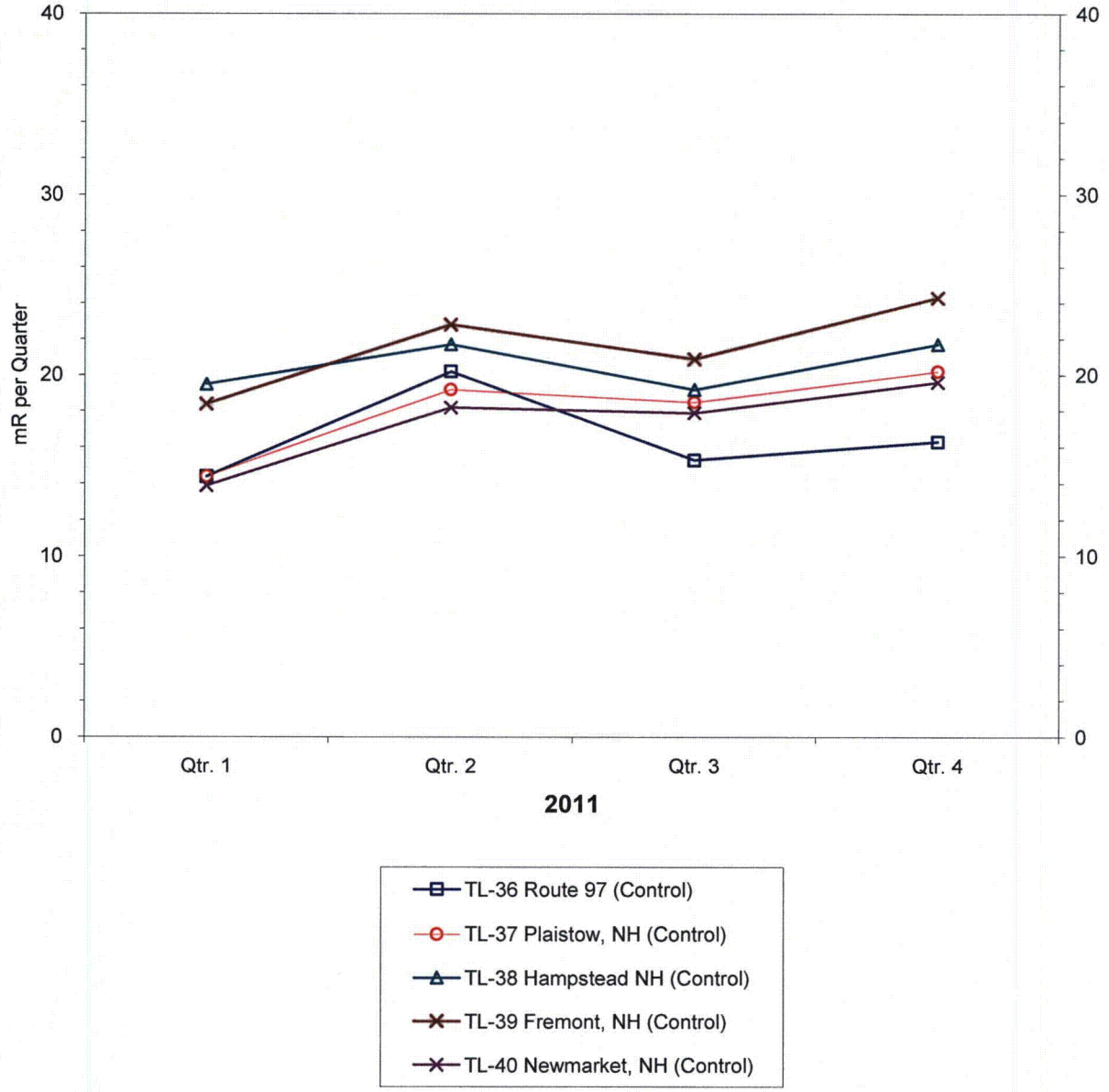


FIGURE 3.13.1

ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs)
SEABROOK STATION

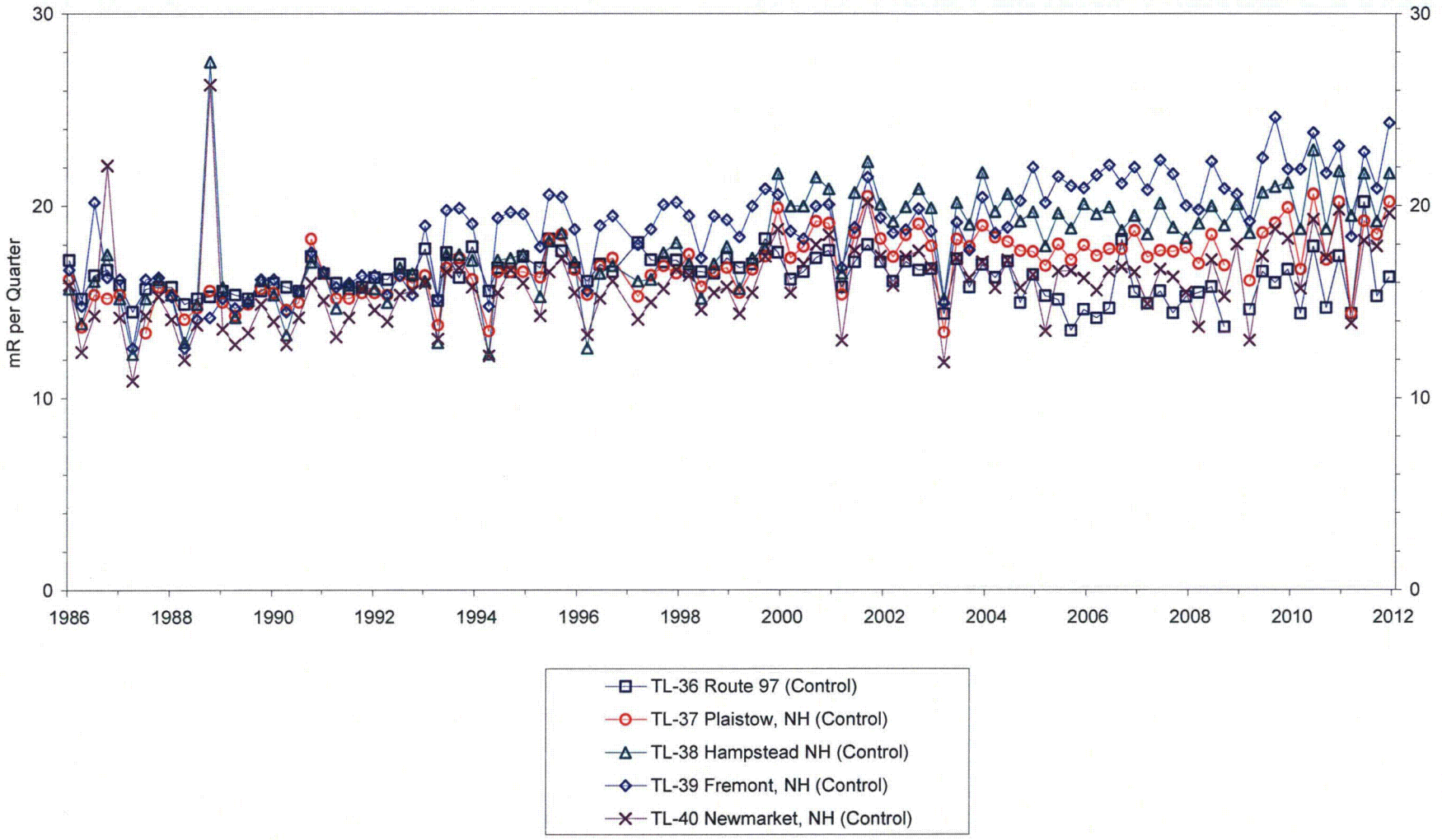


FIGURE 3.14

ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs)
SEABROOK STATION

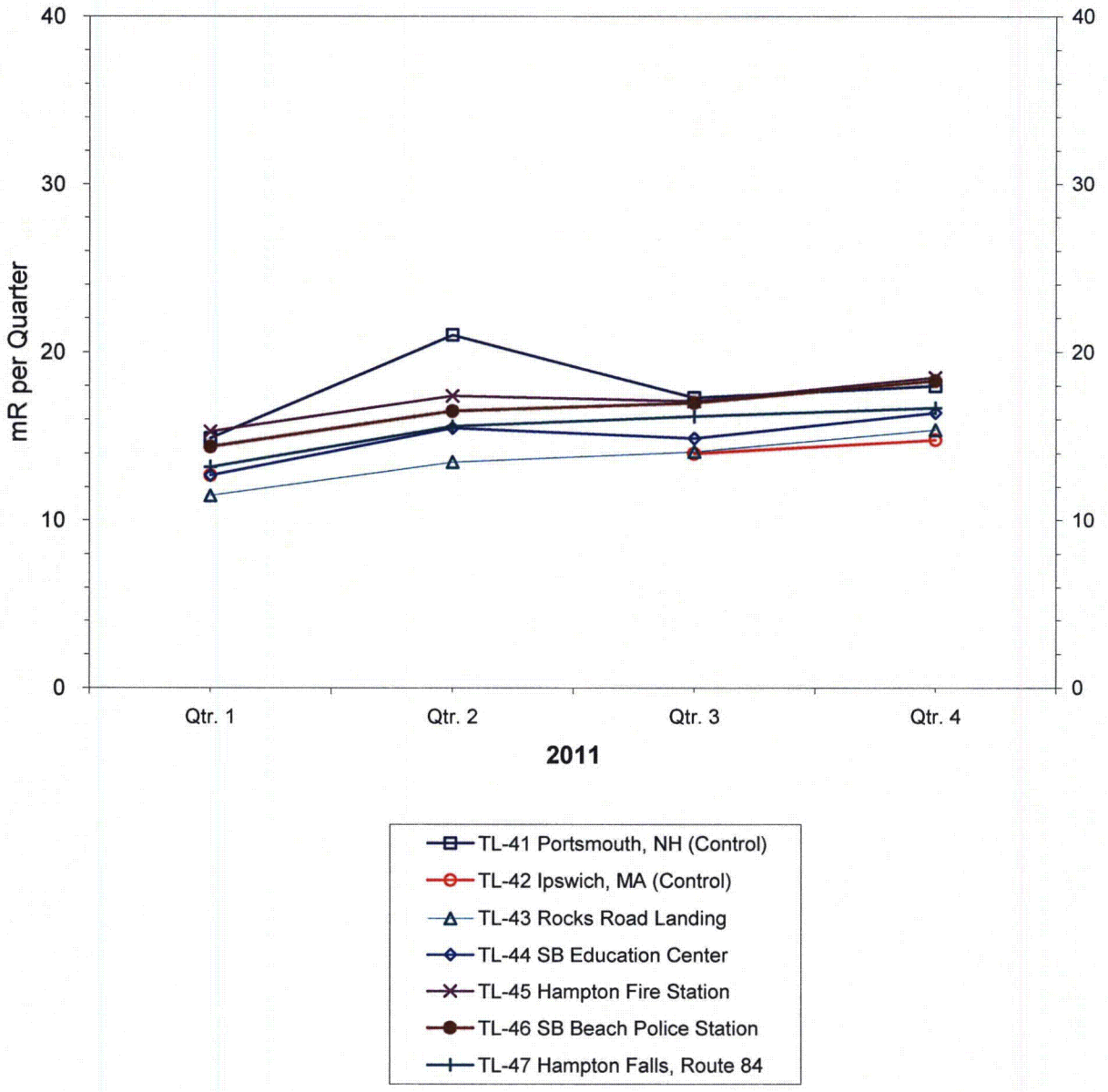
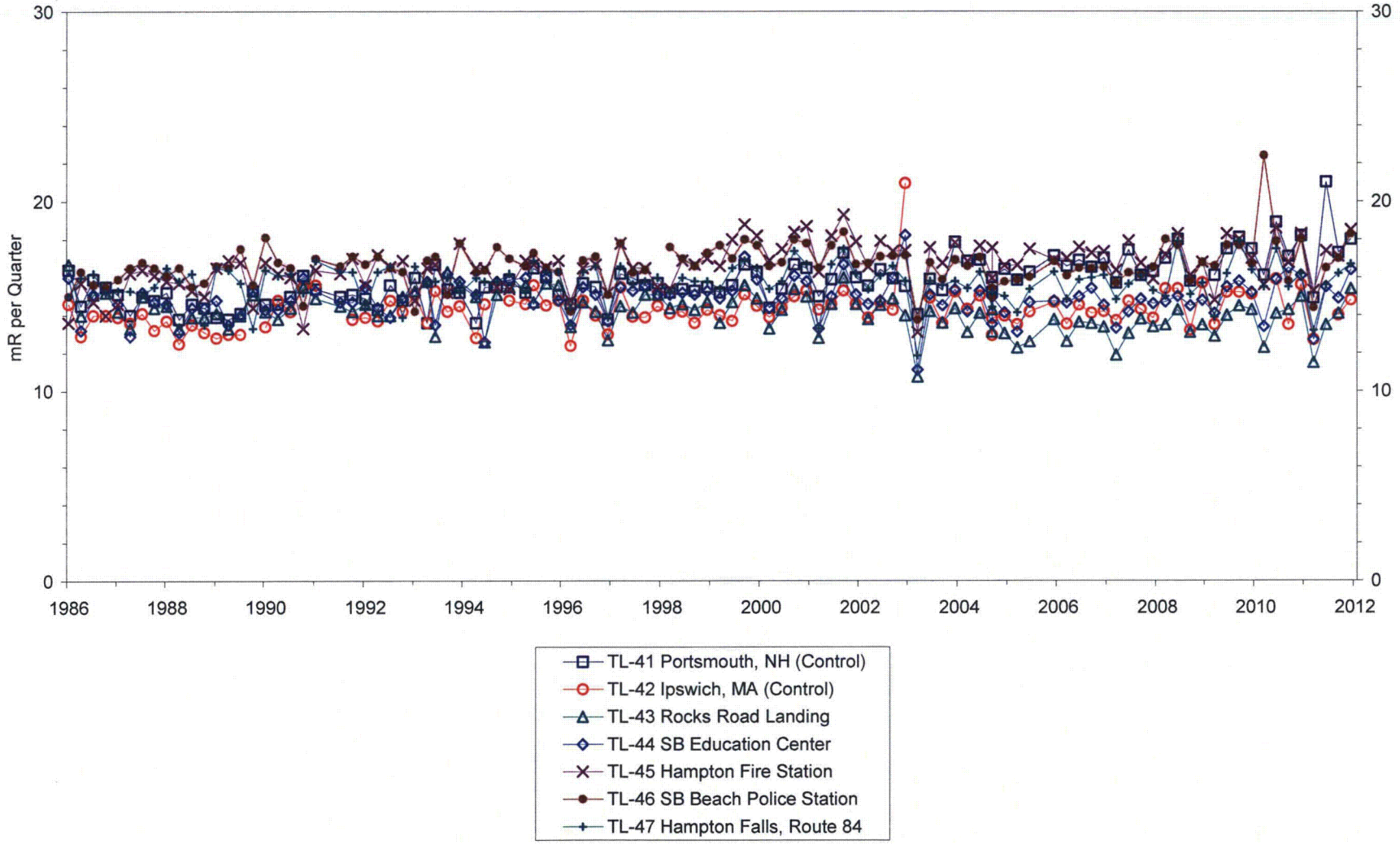


FIGURE 3.14.1

ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs)
SEABROOK STATION



3.14 Fukushima Daiichi Event: Local Observations

3.14.1 Overview

As part of the implementation of the REMP, plant operators need to assess what is the likely source of any potential plant related positive measurement of radioactive material found in environmental media.

A review of Seabrook Station REMP broad leaf vegetation (a mixture of oak, maple and birch leaves) analysis results for samples taken during the spring and summer of 2011 indicated the presence of low levels of Cs-137. Since Cs-137 is generated both in nuclear weapons testing and power plant operations, the source of environmental levels of detected Cs-137 needs to be delineated. Cesium-137 in broad leaf vegetation has not been detected in the past at Seabrook. Subsequently, it is very unlikely that the source can be attributed to past weapons testing. Similarly, some milk and air monitoring samples in 2011 also indicated the presence of fission product radioactivity (Cs-134, Cs-137 and I-131). A collective evaluation of the positive REMP measurements was performed to determine the source of the observed radioactivity.

3.14.2 Assessment

3.14.2.1 Broad Leaf Vegetation

The Seabrook REMP requires that broad leaf vegetation be sampled from three locations monthly during the growing season since the local site environs has insufficient milk animal locations necessary to provide a reliable indicator of plant related radionuclides that might be present in the environment. Table 3.14-1 shows that Cs-137 was detected in a vegetation sample collected at location TG-10 (a control location) in the third week of May 2011. The detected level was well below the reporting level for Cs-137, but above the lower limit of detection (LLD) value for Cs-137 in this media. No positive indication of Cs-137 was noted in the two broad leaf vegetation indicator locations TG-08 and TG-09. A re-analysis of the May sample from TG-10 confirmed the presence of detectable Cs-137.

Subsequent samples from TG-10 in June and July also indicated positive Cs-137, but at considerably lower levels as seen on Table 3.14-1. The apparent average concentration of Cs-137 for June and July had dropped to about 17.3 pCi/kg from the May average value of 68.6 pCi/kg, suggesting that the retention (r) of Cs-137 on the leafy vegetation was about 25% (r = 0.25) of the initial observed value. Regulatory Guide 1.109 describes a vegetation uptake model that accounts for both atmospheric deposition on the outer surface of foliage and a root uptake component for the bio-transfer from radioactivity deposited in soil with uptake into the roots of the plant. The direct foliage deposition component has associated with it a retention factor (r) that represents the fraction of deposited material retained on leafy vegetation as a result of weathering effects that wash off much of the surface contamination over time. The regulatory guide quotes an r value of 0.2 (RG 1.109, Table E-15). This is very close to the observed difference in Cs-137 contamination between the first occurrence in May and the subsequent samples from TG-10 in June and July. This retention suggests a source of contamination due to atmospheric deposition over a relatively short time frame on the outer surface of the foliage as opposed to a root uptake into the plant, which would not be reduced by wash off from weathering affects.

Table 3.14-1 also indicates the result of sample analyses from 2009 and 2010 for comparison. With the exception of the May 2011 sample which indicated Cs-137 at a concentration of 99.3 pCi/kg, all other positive indications of Cs-137 were at detection levels lower than the standard analysis sensitivity achieved in previous years. The required lower limit of detection (LLD) for Cs-137 in vegetation is set at 80 pCi/kg. The environmental lab analyses prior to 2011 set their analysis criteria to aim for a sensitivity of about half of the required LLD. Table 3.14-1 indicates that the achieved average MDC for Cs-137 in 2009 and 2010 was 45.1 pCi/kg. At this level, positive indication of Cs-137 would only have been seen in one May sample in 2011. The current sensitivity for lab analyses has lowered the Cs-137 detection level to an average MDC of 8.4 pCi/kg, or approximately 5 times lower than in past years. This improvement in counting sensitivity has contributed to the number of positive Cs-137 measurements in 2011.

Table 3.14-1
Broad Leaf Vegetation at TG-10 for Cs-137

Lab Analysis #	Collection date	Cs-137 pCi/kg	MDC pCi/kg
265446003	10/19/2010	6.98	10.5
278773003	5/21/2011	99.3	7.15
284947001*	5/21/2011	37.9	3.88
280316003	6/14/2011	10.4	6.85
283183001**	6/14/2011	14.1	11.7
283013003	7/26/2011	27.3	10.5
	Average of Detectables	37.8	8.02
L16530-03	5/18/2010	26	44
L16645-03	6/15/2010	9	50
L16726-03	7/27/2010	-5	57
L16754-03	8/24/2010	38	46
L16776-03	9/21/2010	36	47
L15225-03	5/21/2009	11.9	33
L15499-03	7/31/2009	16	36
L15581-03	8/25/2009	31	50
L15698-03	9/22/2009	2	47
L15817-03	10/23/2009	38	41
	Average	20	45

* re-analysis of sample # 278773003
** re-analysis of sample # 280316003

3.14.2.2 Milk (goat)

Milk sampling locations are limited in the Seabrook site environs, making this unsuitable for routine REMP sampling in conformance with NRC guidance in NUREG-1301, Table 3.12-1. However, milk sampling is performed from available locations each month as an indicator media associated with the airborne – food product exposure pathway.

Table 3.14-2 provides a listing of milk sample analysis results for 2011. Positive indications of Cs-137 over the first half of the year indicate cesium levels comparable to past year trends. For TM-15, the average Cs-137 concentration at 7.29 pCi/kg is up from the 2010 average value of 4.7 pCi/kg, but still well within the data variability as seen by a 2 sigma variance of 5.94 pCi/kg. Past trends of Cs-137 in milk have been associated with weapons fallout which has exhibited decay in environmental levels of roughly a factor of 2 over that last 25 years. Uptake of this source of Cs-137 is primarily by root uptake, but can be affected by soil re-suspension and direct foliar deposition.

Table 3.14-2
Selected Milk Samples in 2011

Location TM-15 (goats)				Location TM-24 (goats)		
Lab #	Collection Date	Cs-137 pCi/kg	MDC pCi/kg	Collection Date	Cs-137 pCi/kg	MDC pCi/kg
270291	1/11/2011	10.5	2.66		NA	
272194	2/9/2011	7.49	2.23		NA	
273802	3/9/2011	7.77	2.19		NA	
275584	4/6/2011	6.99	2.03		NA	
276543	4/20/2011	5.66	3.16	4/20/2011	2.95	2.76
277468	5/3/2011	6.53	2.33	5/3/2011	2.52	1.86
278644	5/18/2011	3.52	1.61	5/18/2011	-1.68	3.35
279336	6/1/2011	3.33	2.72	6/1/2011	1.83	2.75
280311	6/15/2011	8.84	2.33	6/15/2011	1.82	2.04
282329	7/13/2011	5.15	1.95	7/13/2011	1.04	2.23
283016	7/27/2011	3.70	2.41	7/27/2011	2.45	3.02
284041	8/10/2011	8.24	2.84	8/11/2011	3.29	2.96
284904	8/24/2011	3.22	3.63		NA	
285767	9/6/2011	4.63	2.46		NA	
286081	9/14/2011	9.93	2.53		NA	
286563	9/21/2011	13.0	3.01		NA	
288567	10/19/2011	12.4	3.06		NA	
290709	11/16/2011	8.38	1.60		NA	
292314	12/14/2011	9.25	2.13		NA	
	Average =	7.29 pCi/kg		Average =	1.78 pCi/kg	
	2010 Ave. =	4.7 pCi/kg		2010 Ave. =	-0.85 pCi/kg	

The actual contribution to milk concentration levels from any short term atmospheric deposition in the local area depends on the feeding practices (fresh feed versus local stored feed from production periods prior to any atmospheric release) of the milk animals and is not pronounced in the current data set. The 2010 Seabrook Station Land Use Census reported that at milk sample location TM-15, goats were allowed to graze for fresh feed during the growing season, but the addition of stored feed varied and the source of the feed is unknown. Table 3.14-2 also indicates that the Cs-137 concentration at TM-15 averaged a seasonal high value of 8.6 pCi/kg for the first three winter samples in 2011 before the pasture grazing season began in May. This is compared to the grazing season value of 5.2 pCi/kg, suggesting that stored feed may have a significant contribution to the overall cesium levels in milk. The monthly trend of Cs-137 concentration measurements does not exhibit any observable spike in Cs-137 following the Fukushima Daiichi accident (See Figure 3.3).

3.14.2.3 Other Vegetable Media

In addition to broad leaf vegetation (tree leaves) sampled under the Seabrook REMP, periodic samples of vegetables (edible produce) are collected during the growing season. These represent similar exposure pathways for uptake of any airborne contaminates. For 2011, three sets of sample analyses have been analyzed, including three locations sampled for strawberries in June, and three locations sampled for tomatoes in July and August. None of these food products indicated any detectable Cs-134, Cs-137, or any other plant related radionuclide. Only naturally occurring K-40 and Be-7 were detected in samples.

If the source of Cs-137 on tree leaves is associated with regional fallout patterns in April from the Fukushima Daiichi event, the timing of such fallout may have occurred prior to the full development of the produce (strawberries and tomatoes) taken from the fields in June, July and August, thereby limiting the potential for observable concentrations in food products resulting from aerial deposition. Tree leaves develop earlier in the growing season than most edible plants and remain exposed to airborne deposition until the loss of fall foliage, thereby providing a longer opportunity to pick up airborne contaminates.

3.14.2.4 Air Particulate / Air Radioiodine

Air particulate measurements taken by REMP air samplers in late March and in April, 2011 provided positive indication of increased gross beta particulate activity above normal levels, typically by a factor of about 2, but with an increase of almost 4 times above normal observed values as seen at AP-02 in early April [sample # 275574003]. There were also several cases of positive I-131 in air measurements for the first time in REMP air sampling history at Seabrook Station. Table 3.14-3 provides a chronological listing of control air samples from station AP/CF-09 in Georgetown as an illustration of the time frame when airborne activity was being detected in the coastal environment. Subsequent composite gamma isotopic measurement of air particulate filters also provided positive indication of Cs-137 in the second quarter of the year (see Table 3.14-5). As a special analysis case, two REMP indicator AP individual filters were also subjected to gamma isotopic analysis and confirmed that in the time frame from late March to early April, positive levels of Cs-137 (and Cs-134) were being detected in air samples in the northeast costal region (see Table 3.14-4).

The positive indications of I-131 in air in the second quarter also have been reported by other nuclear utility REMP monitoring programs to Nuclear Energy Institute (NEI). The source of the I-131 (and corresponding high gross beta particulate activity and airborne Cs-137) are attributable to nation-wide fallout patterns related to the Fukushima Daiichi event in Japan on March 11, 2011 and the subsequent release of fission products to the atmosphere.

Table 3.14-3
Selected AP/CF-09 Georgetown Light (Control) Analyses in 2011

Sample Duration	Date (collection)	Gross B pCi/m^3	I-131 pCi/m^3	Lab #
2 wk	1/11/2011	3.93E-02	6.26E-03	270289
2 wk	1/26/2011	2.48E-02	1.06E-03	271270
2 wk	2/9/2011	3.76E-02	3.31E-03	272216
2 wk	2/23/2011	3.23E-02	-1.23E-03	272943
2 wk	3/9/2011	2.84E-02	-1.40E-03	273849
2 wk	3/23/2011	2.46E-02	2.47E-02	274665
1 wk	3/30/2011	5.52E-02	2.68E-02	274937
1 wk	4/6/2011	6.87E-02	1.07E-01*	275574
2 wk	4/20/2011	4.12E-02	2.57E-02*	276545
2 wk	5/3/2011	2.04E-02	7.50E-03	277483
2 wk	5/18/2011	1.34E-02	-3.64E-03	278643
2 wk	6/1/2011	3.24E-02	-3.35E-04	279338
2 wk	6/15/2011	1.93E-02	-1.65E-03	280318
2 wk	6/29/2011	1.76E-02	-3.54E-03	281129
2 wk	7/13/2011	2.79E-02	2.45E-03	282335
2 wk	7/27/2011	3.32E-02	1.19E-03	283010

* I-131 detected as positive.

Table 3.14-4
Selected AP Cs-137 Analyses in 2011

Location	Period	Cs-137 pCi/m^3	Lab #	Note
AP-09	1st Qtr	1.28E-04	277523	Composite
AP-02	4/6/2011	1.56E-02	277843	Single filter
AP-05	4/6/2011	1.19E-02	277843	Single filter
AP-09	2nd Qtr	1.23E-03	284171	Composite

Table 3.14-5
Selected Air Particulate Composite Filters for 2nd Quarter 2011

Location	Cs-137 pCi/m^3	MDC pCi/m^3	Cs-134 pCi/m^3	MDC pCi/m^3
AP-01	9.44E-04	3.85E-04	9.50E-04	3.44E-04
AP-02	1.22E-03	4.99E-04	1.38E-03	1.02E-03
AP-03	1.61E-03	8.33E-04	9.09E-04	1.45E-03
AP-04	1.43E-02	7.42E-03	5.14E-03	1.03E-02
AP-05	1.30E-03	6.34E-04	7.33E-04	1.11E-03
AP-07	7.16E-04	1.05E-03	6.26E-04	1.58E-03
AP-08	1.09E-03	4.51E-04	6.86E-04	1.11E-03
AP-09	1.23E-03	5.14E-04	1.96E-03	1.31E-03
Average	2.80E-03	1.47E-03	1.55E-03	2.28E-03
	MDC Required	6.00E-02	MDC Required	5.00E-02

3.14.3 Dose Significance

Cesium in Broad Leaf Vegetation

The potential ingestion dose pathway for consuming broad leaf vegetation can be estimated by assuming that the average positive Cs-137 concentration from the Fukushima release detected in tree leaves at TG-10 in 2011 through end of July was consumed over a year by a critical age group (child). From Regulatory Guide 1.109, the maximum individual consumption rate of broad leaf vegetable by a child amounts to 26 kg/yr (RG 1.109 Table E-5). The critical organ for Cesium intake for a child is seen as the liver, with a dose commitment conversion factor of 3.13E-04 mrem/pCi ingested (RG 1.19 Table E-12). As a result, the potential dose from the Fukushima release is calculated as:

37.8 pCi/kg * 26 kg/yr * 3.13E-04 mrem/pCi ingested = 0.308 mrem/yr (child liver)

The ALARA design objectives of 10CFR50, Appendix I, provide a guideline value of 15 mrem/yr to any organ of an individual from all airborne pathways for effluent sources related to the power plant. The dose potential associated with broad leaf vegetation represents only about 2% of the ALARA objective without regard to the actual source of Cesium. Seabrook reports that no Cs-137 has been detected in any atmospheric discharges from the station in 2011 prior to or during the period of observed Cs-137 in vegetation.

Cesium in Milk

In a similar fashion, the dose potential from the ingestion of milk, assuming the detected concentration averages can be applied to the maximum individual, can be estimated. For Cs-137 in milk, Table 3.14-2 shows the average concentration to be 7.29 pCi/kg (location TM-15). The annual consumption rate for the critical age group drinking milk (infants) is taken from RG 1.109, Table E-5, as 330 liters/year. It is assumed that the milk has a slightly higher density than water at 1.04 kg/liter. The resulting dose impact to the liver of an infant is:

7.29 pCi/kg * 330 liter/yr * 1.04 kg/liter * 6.11E-04 mrem/pCi ingested = 1.53E+00 mrem/yr.

The dose potential associated with milk ingestion represents about 10% of the ALARA objective without regard to the actual source of Cesium. As noted above, Seabrook reports that no Cs-137 has been

detected in any atmospheric discharges from the station in 2011 prior to or during the period of observed Cs-137 in vegetation.

Cesium in Air

For the inhalation of Cs-137, the average air concentration of 1.43E-02 pCi/m^3, noted for the second quarter of 2011 at air sampling location with the highest recorded value (AP-04 as shown on Table 3.14-5), is combined with an inhalation rate of 8000 m^3/year (RG 1.109, Table E-5 for a teen) and a dose conversion factor for the liver of a teen as critical organ of 1.06E-04 mrem/pCi inhaled (RG 1.109, Table E-8). The resulting dose impact to the liver of a teenager from the Fukushima release, conservatively assuming the measured air concentration persisted for a full year, is:

1.43E-02 pCi/m^3 * 8000 m^3/yr * 1.06E-04 mrem/pCi inhaled = 1.21E-02 mrem/yr.

Similarly for the inhalation of Cs-134, with a potential air concentration of 5.14E-03 pCi/m^3 at the same location as noted above for Cs-137 (AP-04 as seen on Table 3.14-5) is combined with an inhalation rate of 8000 m^3/year and a dose conversion factor for the liver of a teen as critical organ/age group of 1.41E-04 mrem/pCi inhaled (RG 1.109, Table E-8). The resulting dose impact to the liver of a teenager from the Fukushima release, assuming the measured air concentration persisted for a full year, is:

5.14E-02 pCi/m^3 * 8000 m^3/yr * 1.41E-04 mrem/pCi inhaled = 5.80E-02 mrem/yr.

The dose potential associated with the inhalation of Cs-137 and Cs-134 represents only about 0.08%, and 0.39%, respectively, of the ALARA objective. As noted above, the Seabrook reports that no Cs-137 or Cs-134 has been detected in any atmospheric discharges from the station in 2011 prior to or during the period of observed Cs-137 in vegetation.

Iodine in Air

In addition to Cesium in air particulates, charcoal filters associated with the air particulate monitoring stations also detected the presence of I-131 in at least two samples from location CF-09 in April, 2011. For the inhalation of I-131, the critical organ / age group are the thyroid and child. If the average air concentration of 6.64E-02 pCi/m^3 for the two positive samples in April of 2011 at location AP-09 (see Table 3.14-3), is combined with an inhalation rate of 3700 m^3/year (RG 1.109, Table E-5 for a child) and a dose conversion factor for the thyroid of a child as critical organ of 4.39E-03 mrem/pCi inhaled (RG 1.109, Table E-8), then the resulting dose impact to the thyroid of a child from the Fukushima release, using a conservative exposure period of 2 months (0.167 fraction of a year), is:

6.64E-02 pCi/m^3 * 3700 m^3/yr * 4.39E-03 mrem/pCi inhaled * 0.167 = 1.80E-01 mrem/yr (child thyroid)

This is equivalent to only 1.2% of the ALARA objective.

3.14.4 Conclusions on Observed Cesium and Iodine in Environmental Media

Indications for the source of Cs-137 and Cs-134 detected in broad leaf vegetation for the first time in April 2011 are due to the atmospheric deposition of fallout from the Japanese Fukushima Daiichi event of March 11, 2011, which is reported to have released substantial quantities of fission products to the atmosphere. This conclusion is supported by the following observations:

- The Cs-137 activity in broad leaf vegetation was limited to the control location, but not detected at the much closer Seabrook site boundary indicator locations.
- The fall-off of detected Cs-137 concentrations (the apparent weather retention factor r = 0.25) in tree leaves taken at TG-10 over the three month period after first detection shows that atmospheric deposition on the foliage surface (not long term root uptake) is the pathway of uptake, as opposed to chronic buildup from prolonged low level releases.

- Seabrook effluent (gas) release pathway monitoring analyses have not detected any Cs-137 or Cs-134 in Seabrook Station atmospheric releases in 2011, either before or after the Fukushima Daiichi event.

- The REMP air particulate monitoring program did report an increase in the gross beta activity at most of the monitoring locations, including control location AP-09, in late March and April following the Fukushima Daiichi event. This is consistent with the anticipated movement of airborne activity moving across the United States from releases at the Japanese plants damaged by the earthquake and tsunami. The follow-up analyses for Cs-134 and Cs-137 on air particulate filters indicated that the presence of Cesium in air was the likely contributor to the detected increase in gross beta activity and provided a source for atmospheric deposition in the local environment.

- REMP airborne measurements of I-131 at both indicator and control locations in the same time frame as increased gross beta measurements, supports the premise of fallout associated with the Fukushima Daiichi event.

- Positive levels of Cs-137 were detected in 21 milk samples taken in 2011. However, the relative concentration of Cs-137 detected is comparable with previous measurements of Cesium in milk taken in past years prior to the Fukushima Daiichi event. Fall-out from the Japanese nuclear accident may have contributed to the detectable levels of Cs-137 in 2011, but past weapons fall-out remains the mostly likely significant source.

- The estimated dose impacts from the detected radioactivity fisson products detected in various environmental media are all less than the ALARA dose objective assigned to Seabrook Station if the source of the radioactivity was from local plant operations.

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, i.e., the 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, 2010 or 2011.

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 2011 data for the DFS REMP is shown in Table 4.1-1. Figures 4.1, 4.2 and 4.3 show the quarterly 2011 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 (12 years) for the same control locations, site boundary and special use sites. As note in Section 3.13, TL-69 was moved in August, 2010, several hundred feet from its original placement to support construction of a new firing range near the site boundary. Since then (4th quarter of 2010 through the 4th quarter of 2011) the average quarterly TLD response has been observed to be 14.8 mR. From 1st quarter 2009 through the 2nd quarter of 2010 prior to the relocation of the dosimeter, the average quarterly response was 18.1 mR. The movement of location TL-69 saw a step decrease in the observed exposure rate of approximately 18.6%, or about 3.4 mR/quarter. No other step changes at other near area monitoring locations were noted during this time indicating that plant operations were not the cause, but that the ambient background level at the new location is inherently lower than the original site.

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 2011 annual mean of all indicator locations for the DFS was 17.3 mR/91-day quarter with the mean of all control locations also calculated as 18.0 mR/91-day quarter. There was no statistical difference detected in the annual exposure rates in areas were members of the public could occupy (site boundary and inside special use locations) and the control locations. The on-site environmental area TLD location which exhibited the highest single annual TLD response (TL-67, a low occupancy outside transit area next to the parking lot associated with the Fitness Center), indicated an apparent 16.9% increase in exposure rate above the average background when the four quarters of pre-operational TLD data are compared to the 2011 quarterly average TLD data at this location.

The DFS radiation monitoring program in 2011 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 (firing range) 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)

2011

No.	Description	1st Quarter Exp.	S.D.	2nd Quarter Exp.	S.D.	3rd Quarter Exp.	S.D.	4th Quarter Exp.	S.D.	Qtr Av. Over Yr Exp.
TL-44	Outside Science & Nature C. (1)	12.7	± 0.8	15.5	± 0.7	14.9	± 1.1	16.4	± 0.7	14.9
SB-36	Inside Science & Nature C.	15.2	± 0.7	16.2	± 1.1	13.9	± 0.5	16.0	± 0.6	15.3
TL-67	Outside Fitness Center (1)	18.4	± 1.1	23.9	± 0.8	22.0	± 0.9	23.9	± 1.0	22.1
SB-35	Inside Fitness Center	15.5	± 0.7	17.2	± 1.1	15.6	± 0.7	16.9	± 0.7	16.3
TL-68	Nearby Site Boundary to DFS	16.7	± 1.8	19.0	± 0.8	19.8	± 1.2	20.6	± 1.2	19.0
TL-69	Nearby Site Boundary to DFS	13.0	± 0.9	14.3	± 0.7	14.5	± 0.8	15.7	± 0.7	14.4
TL-10	Site Boundary Fence (2)	14.3	± 0.8	20.3	± 0.9	17.0	± 1.0	20.4+	± 1.3	18.0
TL-11	Site Boundary Fence (2)	16.9	± 1.5	19.9	± 1.1	16.9	± 0.8	17.8	± 0.9	17.9
TL-12	Site Boundary Fence (2)	13.8	± 0.7	19.9	± 0.9	17.7	± 0.8	19.6	± 1.0	17.8
TL-13	Inside Site Boundary (2)	17.6	± 0.8	21.8	± 1.2	19.3	± 1.0	19.2	± 0.9	19.5
TL-14	Trailer Park Seabrook (2)	14.2	± 0.9	17.3	± 0.8	15.6	± 0.8	16.9	± 0.8	16.0
TL-36	Rt 97, Georgetown (control) (2)	14.4	± 0.8	20.2*	± 1.7	15.3	± 1.5	16.3	± 0.6	16.6
TL-37	Plaistow,NH (Control) (2)	14.4	± 0.8	19.2	± 1.2	18.5	± 1.1	20.2	± 0.9	18.1
TL-38	Hampstead,NH (Control) (2)	19.5	± 1.1	21.7	± 1.4	19.2	± 0.9	21.7	± 1.7	20.5
TL-39	Fremont,NH (Control) (2)	18.4	± 1.1	22.8	± 1.0	20.9	± 0.9	24.3	± 0.9	21.6
TL-40	Newmarket,NH (Control) (2)	13.9	± 0.8	18.2	± 1.0	17.9	± 1.1	19.6	± 1.1	17.4
TL-41	Portsmouth,NH (Control) (1) (2)	14.9	± 0.9	21.0*	± 3.9	17.3	± 1.1	18.0	± 0.6	17.8
TL-42	Ipswich,MA (Control) (1) (2)	12.7	± 0.8	#	± #	14.0	± 0.8	14.8	± 0.6	13.8
	Mean of Indicators	15.4		19.3		17.2		18.8		17.4
	Mean of Controls	15.5		20.5		17.6		19.3		18.0

\# TLD was missing at quarterly change-out.
\+ Includes extrapolation of response to cover early removal of TLD in December.
* Dosimeters were observed to be wet at time of analysis.

FIGURE 4.1

DFS CONTROL RADIATION MEASUREMENTS (USING TLDs)
SEABROOK STATION

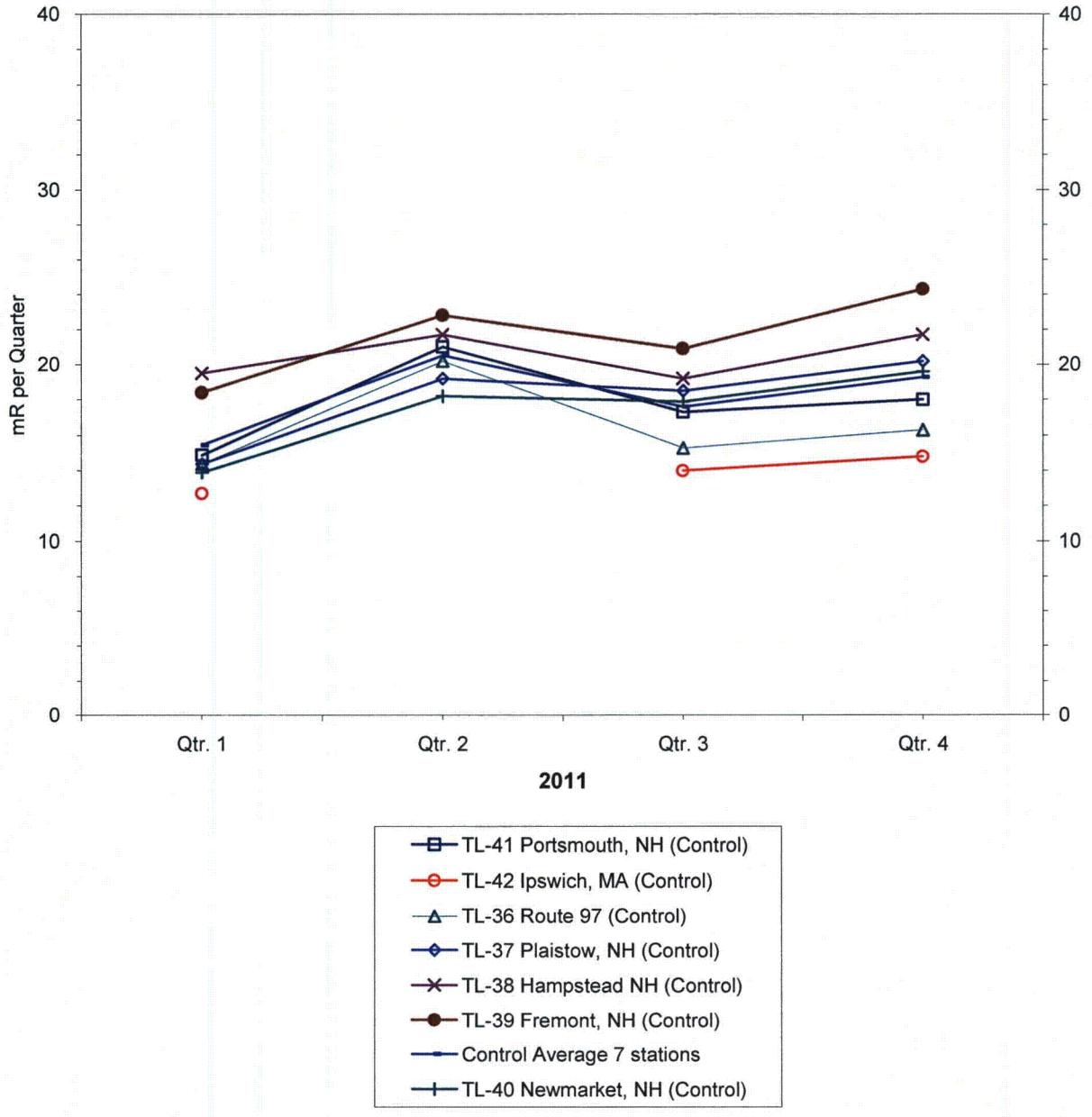


FIGURE 4.2

DFS ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs)
SEABROOK STATION

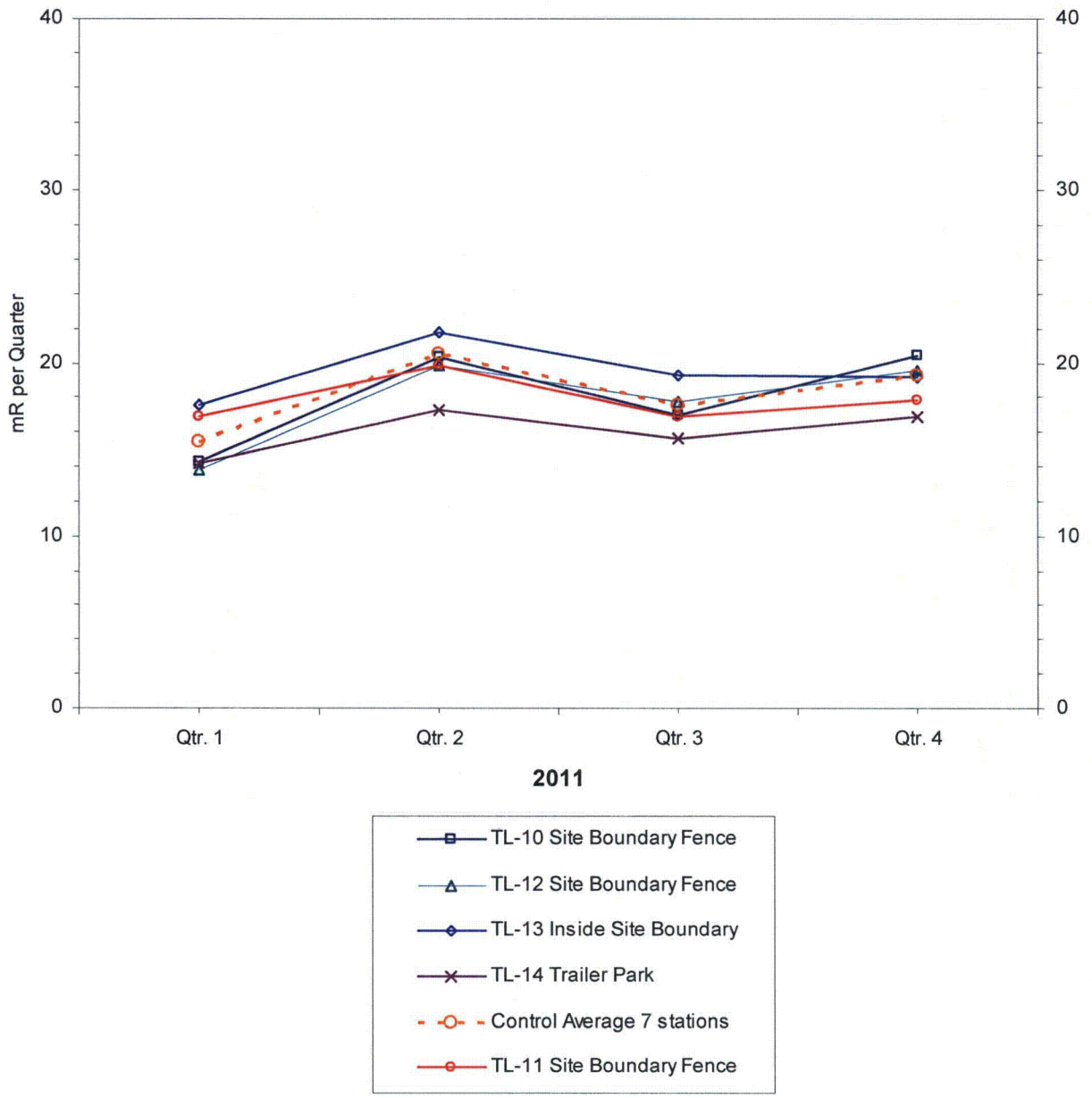


FIGURE 4.3

DFS ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs)
SEABROOK STATION

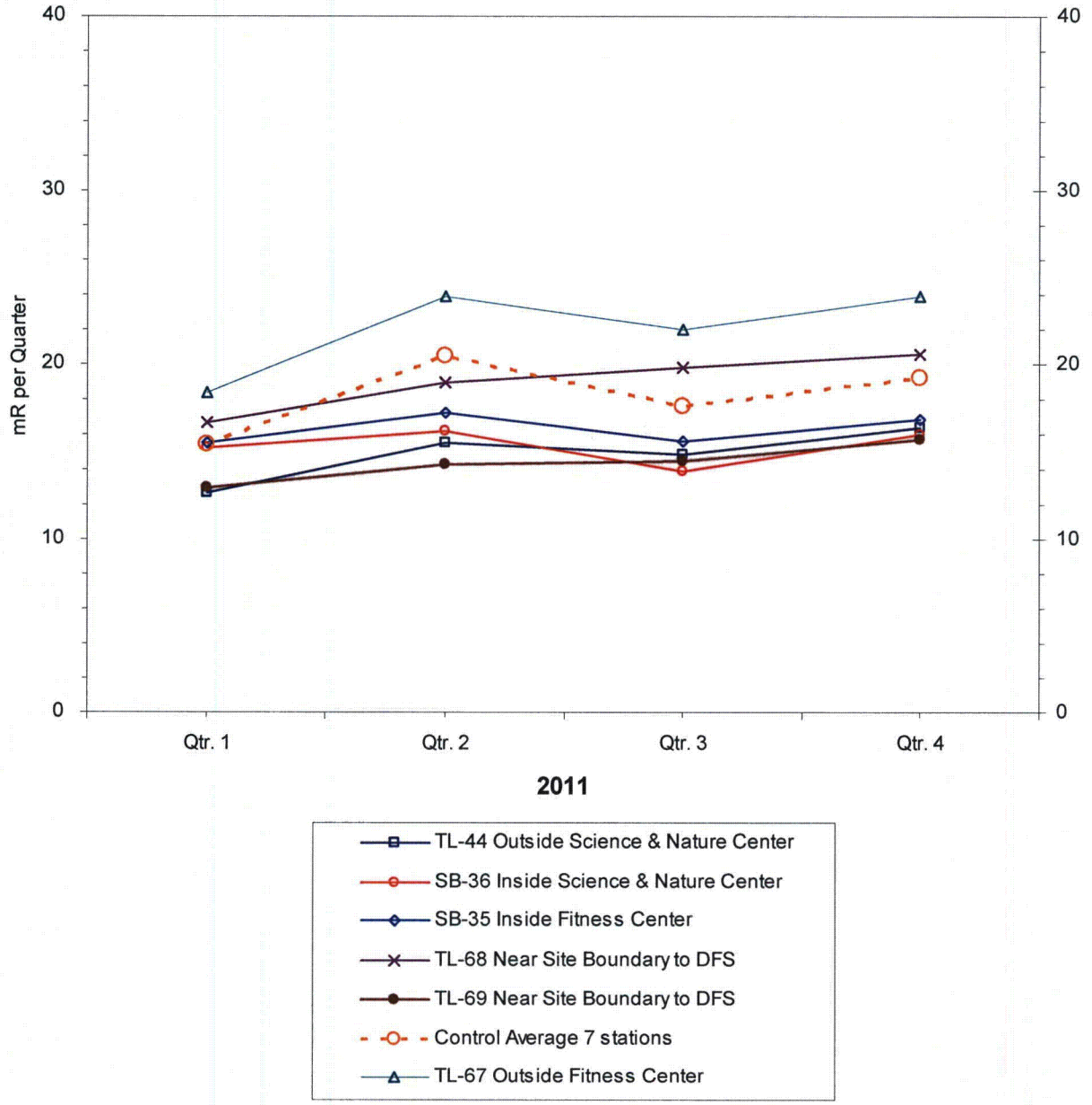


FIGURE 4.4

DFS CONTROL RADIATION MEASUREMENTS (USING TLDs)
SEABROOK STATION

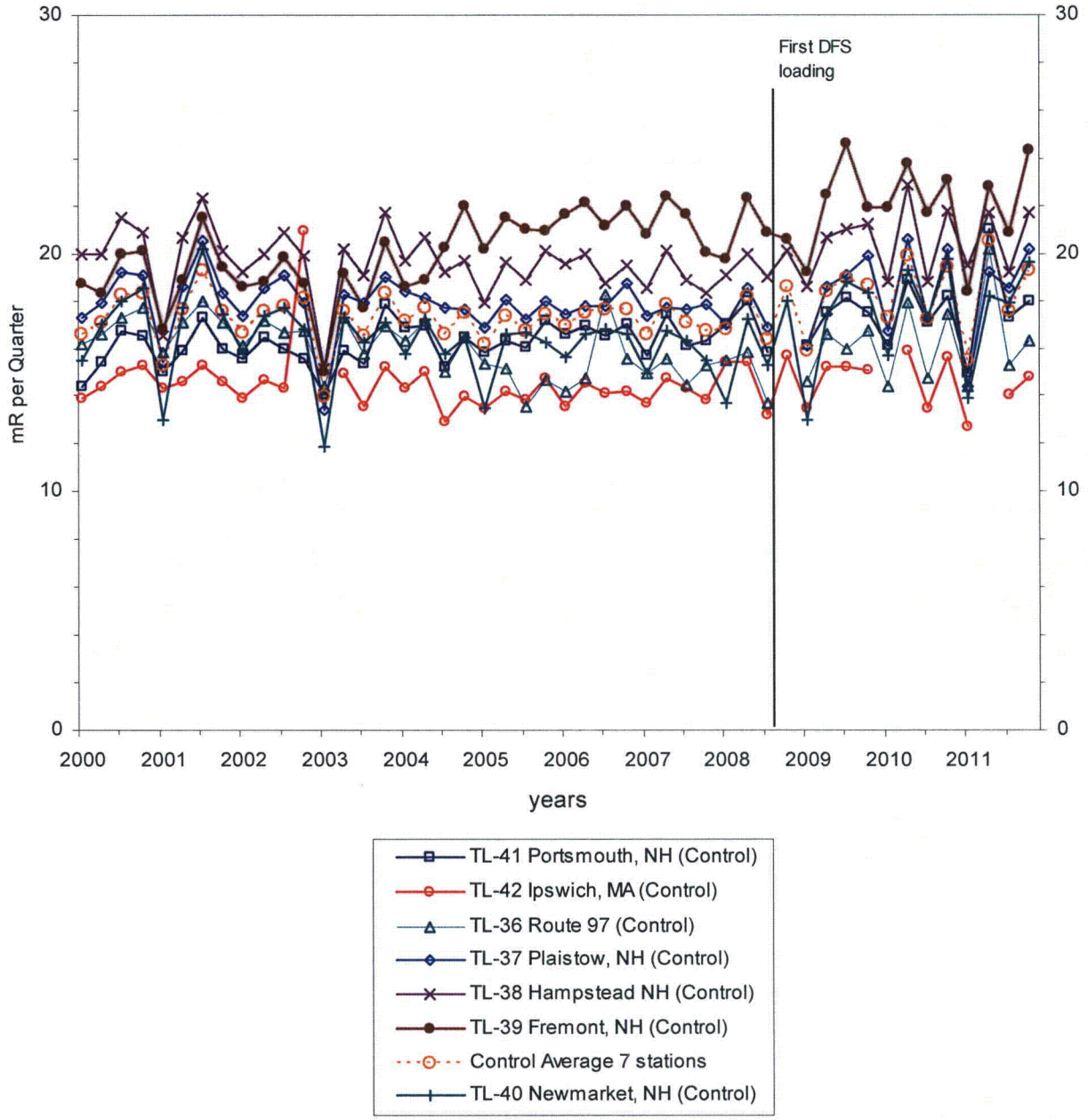


FIGURE 4.5

DFS RADIATION MEASUREMENTS TRENDS (USING TLDs)
SEABROOK STATION

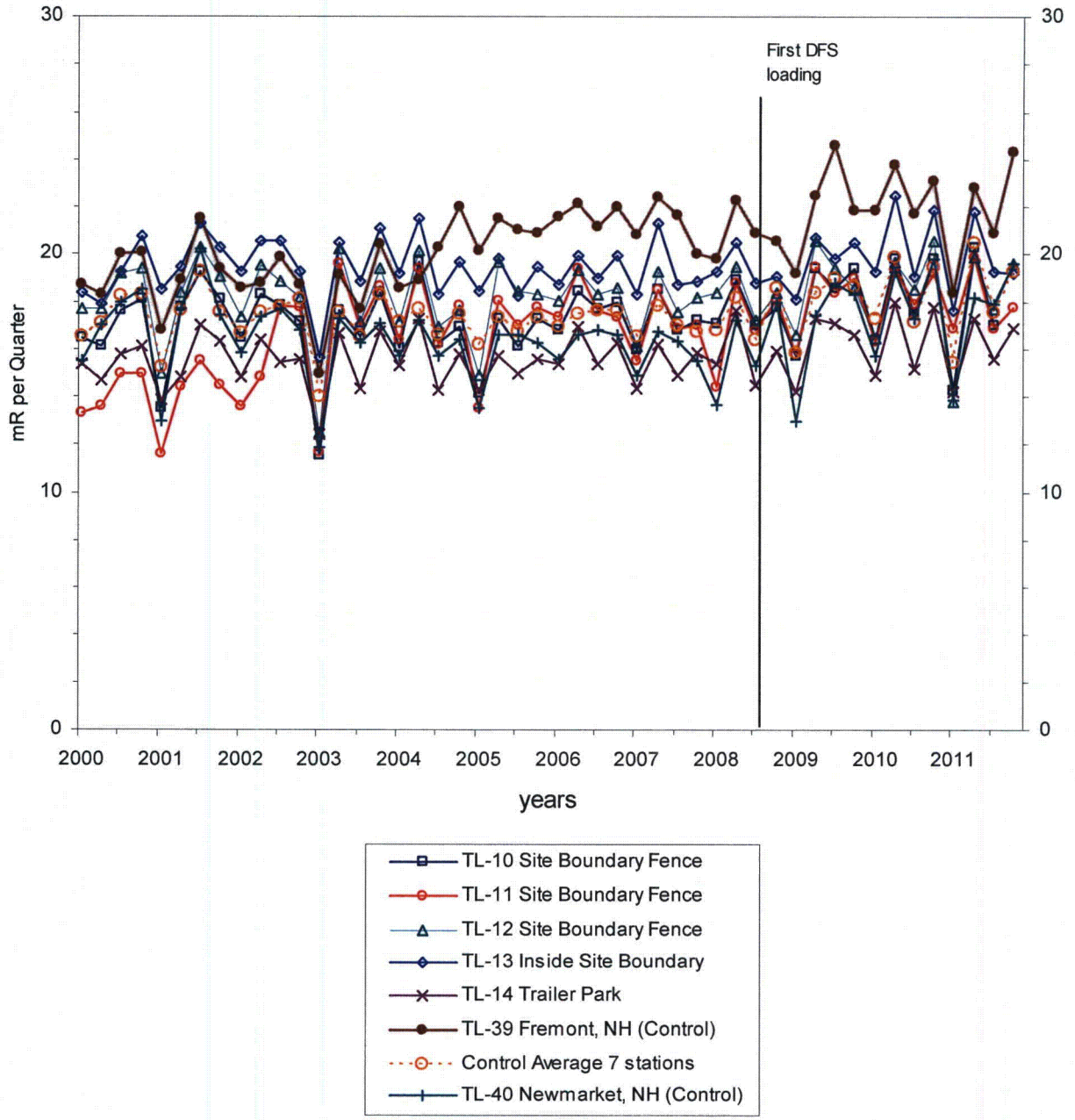
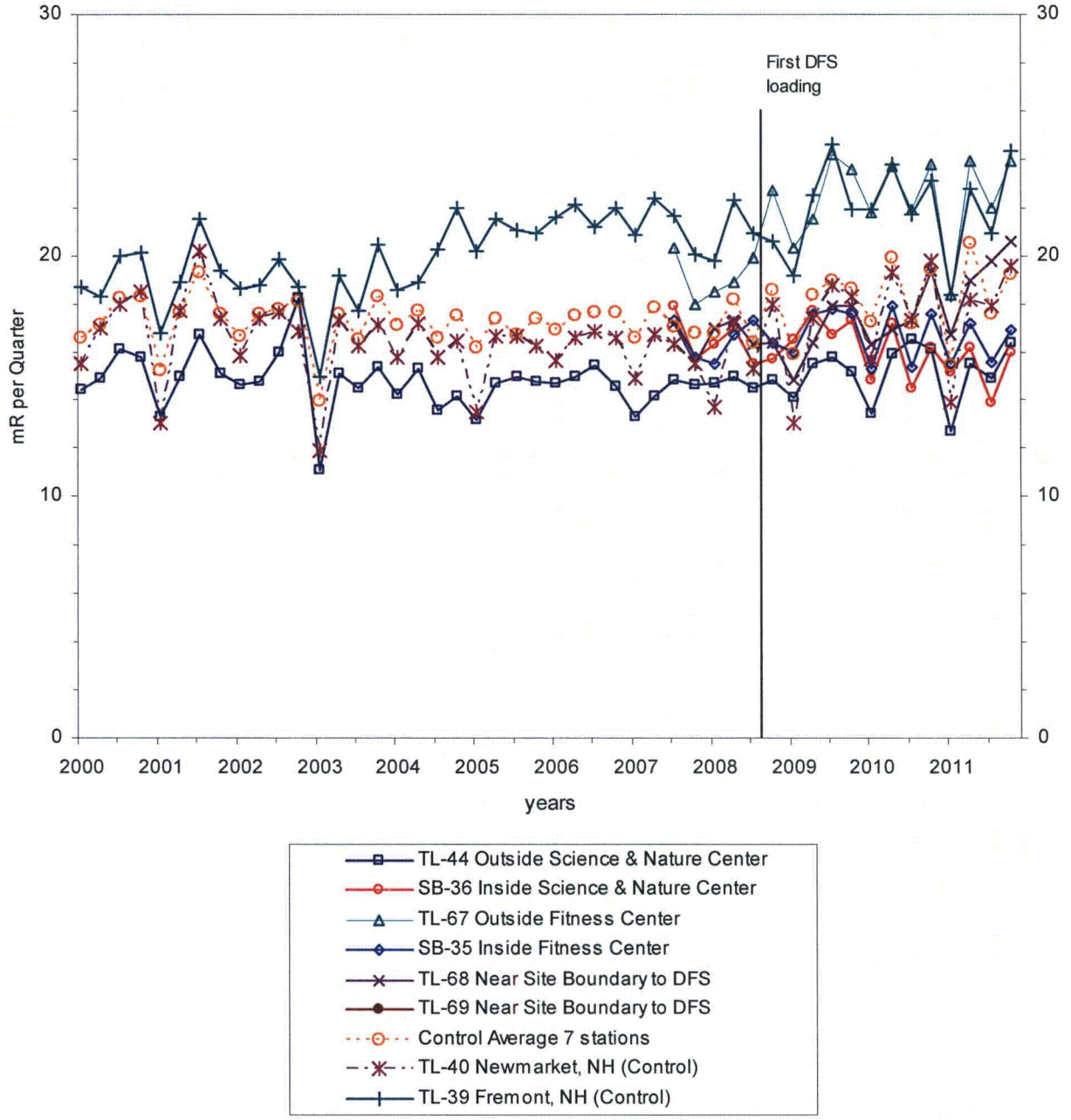


FIGURE 4.6

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 2011 are as follows:

- On 08/24/2011, a loss of power to air sampling station AP/CF-09 (duration approximately 2.92 hours) was recorded due to a local power outage not related to the air sampling equipment. The unit was 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.

- During the change out of the 2nd quarter, 2011 environmental TLDs (July, 2011) the TLD device at TL-42 located in Ipswich, MA (Control) was missing at the time of collection.

- On 08/28/2011, a loss of power to air sampling station AP/CF-04 (duration approximately 22.48 hours) was recorded due to a local power outage caused by a tropical storm and a subsequent blown fuse in the pump. The unit was returned to service when local power was restored and the fuse replaced. The out of service time did not impact the ability to collect sufficient sample volume over the collection cycle for analysis.

- On 09/30/2011, a loss of power to air sampling station AP/CF-05 was recorded due to a power outage not related to the air sampling equipment. The unit was returned to service when power was restored approximately 7 minutes later. The out of service time did not impact the ability to collect sufficient sample volume over the collection cycle for analysis.

- On 10/02/2011, a loss of power to air sampling station AP/CF-04 was recorded due to a blown fuse in the pump. The unit was returned to service when the fuse was replaced approximately 46.60 hours later. 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 the 3rd quarter, 2011 environmental TLDs (October, 8, 2011) the TLD device at TL-03 (Glade Path, Hampton Beach) was missing at the time of collection.

- On 10/13/2011, a loss of power to air sampling station AP/CF-02 was recorded due to a power outage not related to the air sampling equipment. The unit was returned to service when local power was restored approximately 46.6 minutes later. The out of service time did not impact the ability to collect sufficient sample volume over the collection cycle for analysis.

- On 10/29/2011, a loss of power to several air sampling stations (listed below) was recorded due to local area power outages related to a snow storm.

Location	Date/Time power lost	Date/Time power restored	Duration of loss
AP/CF-04	10/29/11 19:56	11/01/11 09:17	61.4 hrs.
AP/CF-05	10/29/11 20:39	10/29/11 21:17	38 min.
AP/CF-09	10/29/11 21:04	10/30/11 04:17	7.22 hrs

- On 11/29/2011, environmental TLD TL-10 located near the site boundary in the SSW sector was removed from the location due to excavation in the area and the removal of the utility pole the TLD was attached to. A new location several hundred feet away (also near the SSW site

boundary) was installed in January 2012 for the relocation of TL-10. Approximately 1 month from the quarterly field integration time was not included in the standard dosimeter exposure period.

- On 12/21/2011, a loss of power to air sampling station AP/CF-09 was recorded due to a power outage not related to the air sampling equipment. The unit was returned to service when power was restored approximately 2 hours, 59 minutes later. The out of service time did not impact the ability to collect sufficient sample volume over the collection cycle for analysis.

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 for short lived radionuclides is not achieved due to low sample volume or delays between sample collection and time of analysis. In such cases, ODCM Table A.9.1-2 requires a discussion of the event in the annual Radiological Environmental Operating Report. .

For each analysis having an LLD requirement in ODCM Table A.9.1-2, the *a posteriori* (after the fact) Minimum Detectable Concentration (MDC) calculated for that analysis was compared with the required LLD. During 2011, 1333 analyses had an LLD requirement listed in Table 5.2-1, and in all but five cases the LLD requirements were met. The LLDs not achieved were:

Sample Type & Location	Date	Radionuclide	Required LLD (pCi/kg)	Achieved MDC (pCi/kg)	Sample Reference
TG-08	09/20/2011	I-131	60	92.3	(LSN# 286562001)
TG-09	09/20/2011	I-131	60	114	(LSN# 286562002)
TG-10	06/14/2011	I-131	60	1460	(LSN# 283183001)
TG-10	09/20/2011	I-131	60	105	(LSN# 286562003)
WS-01	06/20/2011	I-131	15	16.2	(LSN# 281629001)

The cause of the missed LLDs is attributed to delays between sample collection and laboratory analysis. Gel Labs has addressed this deficiency by changing their internal procedures to assign a high process priority for samples requiring analysis for short lived radionuclides.

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 2011, 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[c]					
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[c]			15		

a. Reference Seabrook Station ODCM, Table A.9.1-2 for clarifications.
b. Broad leaf vegetation only.
c. Parent 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 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. The Quality Systems include all quality assurance (QA) policies and quality control (QC) procedures necessary to plan, implement, and assess the work that GEL performs. GEL's QA Program establishes a quality management system (QMS) that governs all of the activities of the organization.

This report entails the quality assurance program for the proficiency testing and environmental monitoring aspects of GEL for 2011.

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

In addition to internal and client audits, GEL laboratory participates in annual performance evaluation studies conducted by independent providers. GEL 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.

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

- US Environmental Protection Agency Discharge Monitoring Report, Quality Assurance Program (DMR-QA). Annual national program sponsored by EPA for laboratories engaged in the analysis of samples associated with the NPDES monitoring program. Participation is mandatory for all holders of NPDES permits. The permit holder must analyze for all of the parameters listed on the discharge permit. Parameters include general chemistry, metals, BOD/COD, oil and grease, ammonia, nitrates, etc.

- Department of Energy Mixed Analyte Performance Evaluation Program (MAPEP). A semiannual program developed by DOE in support of DOE contractors performing waste analyses. Participation is required for all laboratories that perform environmental analytical measurements in support of environmental management activities. This program includes radioactive isotopes in water, soil, vegetation and air filters.

- ERA's MRAD-Multimedia Radiochemistry Proficiency test program. This program is for labs seeking certification for radionuclides in wastewater and solid waste. The program is conducted in strict compliance with USEPA National Standards for Water Proficiency study.

- 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.

- ERA's Water Pollution (WP) biannual program for waste methodologies includes parameters for both organic and inorganic analytes.

- ERA's Water Supply (WS) biannual program for drinking water methodologies includes parameters for organic and inorganic analytes.

- 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 TP 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 GEL 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 (11-RAD-001) was conducted in March 2011. Two (2) findings, three (3) observations, and four (4) recommendations resulted from this assessment. In April 2011, each finding was closed and appropriate laboratory staff addressed each observation and recommendation.

The Nuclear Procurement Issues Committee (NUPIC) audit was conducted on November 14, 2011 through November 18, 2011. This NUPIC QA audit was performed for the activities and/or documentation/records associated with GEL Laboratories supplying general chemistry, radiochemistry and bioassay analytical

services. This audit found that the GEL Laboratories quality system is well documented and/or implemented, and is acceptable.

With the exception of the six (6) audit findings, all of the requirements of GEL Laboratories Quality Assurance Plan audited were found to be satisfactorily implemented, and therefore, "Continued approval of GEL Laboratories as an Appendix B supplier of general chemistry, radiochemistry and bioassay analytical services is recommended."

All responses to the six findings have been adequately addressed by GEL. The Audit Report # 22837-A for Supplier Number 5644 has been posted on the NUPIC website.

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.

GEL also evaluates its analytical performance on a regular basis through statistical process control (SPC) acceptance criteria. Where feasible, this criterion is applied to both measures of precision and accuracy and is specific to sample matrix. GEL establishes 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. Current process control limits are maintained in GEL's AlphaLIMS. GEL also measures 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 2011, forty-three radioisotopes associated with seven matrix types were analyzed under GEL's Performance Evaluation program in participation with ERA, MAPEP, and Eckert & Ziegler Analytics. Matrix types were representative of client analyses performed during 2011. The list below contains the type of matrix evaluated by GEL.

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

A summary of GEL's quality control for radiological analyses by isotopic analysis and matrix are represented in Table 6.1-1. Each LCS and DUP represents a batch of samples for each isotopic analysis. This summary contains the number of reportable quality control results for GEL clients.

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

During 2011, Eckert & Ziegler Analytics provided samples for 89 individual environmental analyses. The accuracy of each result reported to Eckert & Ziegler Analytics, Inc. is measured by the ratio of GEL's result to the known value. Of the 89 analyses, 98% (87 out of 89) of all results fell within GEL's acceptance criteria. Two analytical failures occurred with the analysis of Chromium-51 in water and Strontium-90 in milk and were addressed in the GEL Corrective Action program. The results are summarized in Table 6.1-2.

Quality Control Program for REMP Analyses

GEL's internal (intra-laboratory) quality control program evaluated 2314 individual analyses for bias and 2520 analyses for precision for standard REMP matrix and radionuclides. Of the internal quality control analyses evaluated for bias, all (100%) met laboratory acceptance criteria. In addition, all (100%) REMP related internal quality control analyses evaluated for precision were found to be acceptable. The results are summarized in Table 6.1-3.

TABLE 6.1-1
2011 RADIOLOGICAL INTRA-LABORATORY DATA SUMMARY: BIAS AND PRECISION BY MATRIX

MATRIX AND ANALYSIS	Laboratory Control Sample (LCS) Bias Criteria (± 25%)		Duplicate/LCS Duplicate Precision Criteria (Note 1)	
	WITHIN CRITERIA	OUTSIDE CRITERIA	WITHIN CRITERIA	OUTSIDE CRITERIA
MILK				
Gamma Spec	7	0	7	0
Gamma Spec Liquid with Ba, La	83	0	125	0
Gamma Spec Liquid with Iodine	10	0	10	0
Gamma Iodine-129	2	0	2	0
Gamma Iodine-131	40	0	125	0
KPA Total Uranium	0	0	2	0
Gas Flow Sr 2nd Count	44	0	41	0
Gas Flow Strontium-90	6	0	6	0
Gas Flow Total Strontium	26	0	26	0
Gross Alpha/Beta	1	0	1	0
ICP-MS Uranium-235, 236, 238	1	0	1	0
SOLID (Includes Misc. Solid, Oil, or Sludge)				
Alpha Spec Uranium	661	0	637	0
Alpha Spec Polonium	27	0	47	0
Alpha Spec Thorium	488	0	499	0
Alpha Spec Neptunium	277	0	289	0
Alpha Spec Plutonium	705	0	823	0
Alpha Spec Polonium	8	0	8	0
Alpha Spec Radium-226	1	0	3	0
Alpha Spec Am-241, Curium	551	0	569	0
Alpha Spec Am-243	61	0	65	0
Gamma Iodine-129	200	0	198	0
Gamma Nickel-59	154	0	155	0
Gamma Radium-228	2	0	2	0
Gamma Radium-226	154	0	82	0
Gamma Spec	1132	0	1121	0
Gamma Spec Solid (pCi/Sample)	16	0	31	0
Gamma Spec Solid with Ba, La	8	0	8	0
Gamma Spec Solid with Iodine	2	0	2	0
Gamma Spec Solid with Ra-226, Ra-228	3	0	3	0
LSC Nickel-63	251	0	253	0
LSC Plutonium	190	0	196	0
LSC Promethium-147	21	0	21	0
LSC Rapid Strontium 89 and 90	101	0	104	0
LSC Selenium-79	7	0	7	0
LSC Calcium-45	1	0	1	0
LSC Iron-55	171	0	175	0
LSC Chlorine-36	2	0	2	0
LSC Tritium	426	0	430	0

TABLE 6.1-1 Continued

MATRIX AND ANALYSIS	Laboratory Control Sample (LCS) Bias Criteria (± 25%)		Duplicate/LCS Duplicate Precision Criteria (Note 1)	
	WITHIN CRITERIA	OUTSIDE CRITERIA	WITHIN CRITERIA	OUTSIDE CRITERIA
LSC Organically Bound Tritium	20	0	25	0
LSC Carbon-14	237	0	243	0
LSC Technetium-99	316	0	339	0
LSC Total Activity	23	0	22	0
LSC Total Activity Screen	19	0	19	0
Lucas Cell Radium-226	37	0	38	0
Lucas Cell Radium-226 HASL 300 Ra-04	4	0	3	0
KPA Total Uranium	8	0	12	0
ICP-MS Uranium-233, 234	95	0	101	0
ICP-MS Technetium-99	228	0	234	0
ICP-MS Uranium-233, 234	93	0	90	0
ICP-MS Uranium-235, 236, 238	152	0	137	0
ICP-MS Uranium-234, 235, 236, 238	99	0	93	0
Gas Flow Sr 2nd Count	25	0	26	0
Gas Flow Strontium-90	380	0	385	0
Gas Flow Total Strontium	45	0	46	0
Gas Flow Total Radium	3	0	3	0
Gas Flow Radium-228	2	0	2	0
Gas Flow Radium-228	21	0	20	0
Gas Flow Lead-210	36	0	37	0
Gross Alpha/Beta	493	0	478	0
Gross Alpha/Beta (Americium Calibration)	1	0	1	0
FILTERS (Includes Swipes)				
Alpha Spec Uranium	106	0	132	0
Alpha Spec Polonium	1	0	10	0
Alpha Spec Thorium	54	0	87	0
Alphaspec Np (Filter/Liter)	25	0	37	0
Alphaspec Pu (Filter/Liter)	24	0	32	0
Alpha Spec Plutonium	173	0	206	0
Alpha Spec Neptunium	72	0	83	0
Alpha Spec Polonium (Filter/Liter)	0	0	8	0
Alpha Spec Am-241, Curium	118	0	144	0
Alphaspec Am-241, Curium (Filter/Liter)	35	0	49	0
Alpha Spec Am-243	8	0	9	0
Gamma Spec Filter Direct Count	2	0	2	0
Gamma Spec	369	0	393	0
Gamma Nickel-59	93	0	106	0
Gamma Iodine-131	9	0	9	0
Gamma Iodine-125	12	0	0	0
Gamma Iodine-129	123	0	131	0
LSC Total Activity	3	0	4	0
LSC Plutonium	93	0	115	0
LSC Iron-55	99	0	108	0
LSC Nickel-63	104	0	126	0

TABLE 6.1-1 Continued

MATRIX AND ANALYSIS	Laboratory Control Sample (LCS) Bias Criteria (± 25%)		Duplicate/LCS Duplicate Precision Criteria (Note 1)	
	WITHIN CRITERIA	OUTSIDE CRITERIA	WITHIN CRITERIA	OUTSIDE CRITERIA
LSC Selenium-79	0	0	1	0
LSC Promethium-147	3	0	5	0
LSC Rapid Strontium 89 and 90	100	0	125	0
LSC Iron-55	29	0	37	0
LSC Nickel-63	26	0	31	0
LSC Plutonium (Filter/Liter)	29	0	34	0
LSC Technetium-99	83	0	123	0
LSC Tritium	185	0	261	0
LSC Carbon-14	140	0	163	0
KPA Total Uranium	7	0	10	0
Gas Flow Sr 2nd Count	87	0	96	0
Gas Flow Strontium-90	51	0	74	0
Gas Flow Total Radium	1	0	1	0
Gas Flow Total Strontium	4	0	25	0
Gas Flow Pb-210	22	0	38	0
Gas Flow Ra-228	25	0	30	0
Gross Alpha/Beta	614	0	637	0
Direct Count-Gross Alpha/Beta	130	0	5	0
Lucas Cell Ra-226	31	0	43	0
ICP-MS Uranium-234, 235, 236, 238	0	0	3	0
LIQUID (Includes Misc. Liquid)				
Alpha Spec Uranium	552	0	714	0
Alpha Spec Polonium	5	0	5	0
Alpha Spec Am-243	10	0	17	0
Alpha Spec Thorium	223	0	335	0
Alpha Spec Plutonium	362	0	560	0
Alpha Spec Neptunium	105	0	159	0
Alpha Spec Am-241, Curium	300	0	444	0
Electrolytic Tritium	19	0	25	0
Gamma Spec	794	0	780	0
Gamma Nickel-59	39	0	49	0
Gamma Iodine-129	71	0	136	0
Gamma Iodine-131	33	0	103	0
Gamma Radium-228	0	0	1	0
Gamma Spec Liquid with Ba, La	104	0	140	0
Gamma Spec Liquid with Iodine	133	0	129	0
KPA Total Uranium	87	0	170	0
ICP-MS Technetium-99	30	0	49	0
ICP-MS Uranium-238	0	0	16	0
LSC Total Activity	12	0	21	0
LSC Tritium	1129	0	1199	0
LSC Carbon-14	203	0	237	0
LSC Technetium-99	275	0	321	0
LSC Iron-55	180	0	232	0

TABLE 6.1-1 Continued

MATRIX AND ANALYSIS	Laboratory Control Sample (LCS) Bias Criteria (± 25%)		Duplicate/LCS Duplicate Precision Criteria (Note 1)	
	WITHIN CRITERIA	OUTSIDE CRITERIA	WITHIN CRITERIA	OUTSIDE CRITERIA
LSC Nickel-63	209	0	242	0
LSC Plutonium	77	0	108	0
LSC Radon-222	24	0	25	0
LSC Promethium-147	5	0	18	0
LSC Rapid Strontium 89 and 90	13	0	13	0
LSC Sulfur-35	9	0	9	0
LSC Phosphorus-32	9	0	9	0
LSC Calcium-45	2	0	2	0
Chlorine-36	5	0	9	0
Lucas Cell Radium-226	379	0	416	0
Gas Flow Lead-210	92	0	98	0
Gas Flow Radium-228	311	0	350	0
Gas Flow Sr 2nd Count	226	0	246	0
Gas Flow Strontium-90	473	0	556	0
Gas Flow Strontium 89 & 90	7	0	4	0
Gas Flow Total Radium	50	0	75	0
Gas Flow Total Strontium	135	0	130	0
Gas Flow Total Alpha Radium	6	0	5	0
Gross Alpha/Beta	1242	0	1338	0
Gross Alpha Co-precipitation	11	0	15	0
Gross Alpha Beta (Americium Calibration)	17	0	17	0
ICP-MS Uranium-233, 234	19	0	33	0
ICP-MS Uranium-235, 236, 238	26	0	40	0
ICP-MS Uranium-234, 235, 236, 238	2	0	33	0
TISSUE				
Alpha Spec Uranium	5	0	5	0
Alpha Spec Thorium	3	0	3	0
Alpha Spec Plutonium	5	0	5	0
Alpha Spec Neptunium	2	0	2	0
Alpha Spec Plutonium	2	0	2	0
Alpha Spec Am-241, Curium	7	0	7	0
Gamma Nickel-59	2	0	2	0
Gamma Spec	66	0	67	0
Gamma Iodine-129	2	0	2	0
Gamma Spec Solid with Ba, La	7	0	7	0
Gamma Spec Solid with Iodine	17	0	19	0
LSC Nickel-63	9	0	9	0
LSC Plutonium	2	0	2	0
LSC Iron-55	7	0	7	0
LSC Carbon-14	2	0	2	0
LSC Technetium-99	3	0	3	0
LSC Tritium	1	0	1	0
LSC Organically Bound Tritium	1	0	1	0
Lucas Cell Radium-226	1	0	1	0

TABLE 6.1-1 Continued

MATRIX AND ANALYSIS	Laboratory Control Sample (LCS) Bias Criteria (± 25%)		Duplicate/LCS Duplicate Precision Criteria (Note 1)	
	WITHIN CRITERIA	OUTSIDE CRITERIA	WITHIN CRITERIA	OUTSIDE CRITERIA
Gas Flow Sr 2nd Count	19	0	19	0
Gas Flow Strontium-90	17	0	17	0
Gas Flow Total Strontium	12	0	12	0
Gas Flow Lead-210	2	0	2	0
Gross Alpha/Beta	2	0	2	0
VEGETATION				
Alpha Spec Uranium	26	0	17	0
Alpha Spec Thorium	6	0	6	0
Alpha Spec Plutonium	18	0	11	0
Alpha Spec Am-241 (pCi/Sample)	10	0	3	0
Alpha Spec Am-241, Curium	6	0	4	0
Gamma Spec	16	0	15	0
Gamma Spec Solid with Iodine	83	0	82	0
Gamma Spec Solid (pCi/Sample)	4	0	2	0
LSC Plutonium	1	0	1	0
LSC Carbon-14	3	0	3	0
LSC Tritium	4	0	4	0
Gas Flow Sr 2nd Count	9	0	9	0
Gas Flow Strontium-90	18	0	11	0
Gas Flow Total Strontium	5	0	5	0
Gross Alpha/Beta	8	0	8	0
AIR CHARCOAL				
Alpha Spec Uranium	2	0	2	0
Alpha Spec Plutonium	2	0	2	0
Alpha Spec Am-241, Curium	2	0	2	0
Gamma Iodine-131	420	0	421	0
Gamma Iodine-129	2	0	2	0
Gamma Spec	5	0	5	0
DRINKING WATER				
Gamma Spec	16	0	16	0
Gamma Iodine-129	2	0	6	0
Gamma Iodine-131	27	0	40	0
Gamma Spec Liquid with Ba, La	74	0	73	0
Gamma Spec Liquid with Iodine	4	0	4	0
LSC Tritium by EPA 906.0	64	0	74	0
LSC Iron-55	11	0	11	0
LSC Nickel-63	12	0	14	0
LSC Radon-222	60	0	63	0
LSC Calcium-45	3	0	3	0
LSC Phosphorus-32	2	0	2	0
KPA Total Uranium	18	0	36	0
Lucas Cell Radium-226	140	0	137	0
Gas Flow Radium-228	127	0	103	0
Gas Flow Sr 2nd Count	11	0	13	0

TABLE 6.1-1 Continued

MATRIX AND ANALYSIS	Laboratory Control Sample (LCS) Bias Criteria (± 25%)		Duplicate/LCS Duplicate Precision Criteria (Note 1)	
	WITHIN CRITERIA	OUTSIDE CRITERIA	WITHIN CRITERIA	OUTSIDE CRITERIA
Gas Flow Strontium-90	21	0	21	0
Gas Flow Strontium 89 & 90	15	0	15	0
Gas Flow Total Alpha Radium	4	0	4	0
Gas Flow Total Strontium	7	0	12	0
Gross Alpha/Beta	284	0	224	0
Gross Alpha Co-precipitation	98	0	80	0
Alpha/Beta (Americium Calibration)	9	0	9	0
Gross Alpha 48 Hr Rapid	7	0	7	0
TOTAL:	20958	0	23066	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 6.1-2:
2011 ECKERT & ZIEGLER ANALYTICS PERFORMANCE EVALUATION RESULTS SUMMARY

Quarter / Year	Analysis Date	Sample Number	Sample Media	Unit	Analyte / Nuclide	GEL Value	Known value	Acceptance Range/ Ratio	Evaluation
1st / 2011	01/11/11	E7465-278	Cartridge	pCi	Iodine-131	1.03E+02	9.47E+01	1.09	Acceptable
1st / 2011	01/11/11	E7466-278	Milk	pCi/L	Strontium-89	9.23E+01	9.74E+01	0.95	Acceptable
1st / 2011	01/11/11	E7466-278	Milk	pCi/L	Strontium-90	1.27E+01	1.58E+01	0.80	Acceptable
1st / 2011	01/11/11	E7467-278	Milk	pCi/L	Iodine-131	1.00E+02	9.69E+01	1.03	Acceptable
1st / 2011	01/11/11	E7467-278	Milk	pCi/L	Chromium-51	3.27E+02	2.98E+02	1.10	Acceptable
1st / 2011	01/11/11	E7467-278	Milk	pCi/L	Cesium-134	1.19E+02	1.30E+02	0.91	Acceptable
1st / 2011	01/11/11	E7467-278	Milk	pCi/L	Cesium-137	2.20E+02	2.05E+02	1.07	Acceptable
1st / 2011	01/11/11	E7467-278	Milk	pCi/L	Cobalt-58	1.18E+02	1.13E+02	1.04	Acceptable
1st / 2011	01/11/11	E7467-278	Milk	pCi/L	Manganese-54	2.78E+02	2.66E+02	1.04	Acceptable
1st / 2011	01/11/11	E7467-278	Milk	pCi/L	Iron-59	1.94E+02	1.75E+02	1.11	Acceptable
1st / 2011	01/11/11	E7467-278	Milk	pCi/L	Zinc-65	2.88E+02	2.61E+02	1.10	Acceptable
1st / 2011	01/11/11	E7467-278	Milk	pCi/L	Cobalt-60	1.76E+02	1.72E+02	1.03	Acceptable
1st / 2011	01/11/11	E7468-278	Water	pCi/L	Iodine-131	9.73E+01	9.40E+01	1.04	Acceptable
1st / 2011	01/11/11	E7468-278	Water	pCi/L	Chromium-51	2.16E+02	1.96E+02	1.10	Acceptable
1st / 2011	01/11/11	E7468-278	Water	pCi/L	Cesium-134	8.52E+01	8.56E+01	0.99	Acceptable
1st / 2011	01/11/11	E7468-278	Water	pCi/L	Cesium-137	1.47E+02	1.35E+02	1.09	Acceptable
1st / 2011	01/11/11	E7468-278	Water	pCi/L	Cobalt-58	7.71E+01	7.44E+01	1.04	Acceptable
1st / 2011	01/11/11	E7468-278	Water	pCi/L	Manganese-54	1.88E+02	1.75E+02	1.08	Acceptable
1st / 2011	01/11/11	E7468-278	Water	pCi/L	Iron-59	1.26E+02	1.15E+02	1.10	Acceptable
1st / 2011	01/11/11	E7468-278	Water	pCi/L	Zinc-65	1.90E+02	1.72E+02	1.11	Acceptable
1st / 2011	01/11/11	E7468-278	Water	pCi/L	Cobalt-60	1.14E+02	1.13E+02	1.01	Acceptable
2nd / 2011	07/25/11	E7859-278	Cartridge	pCi	Iodine-131	8.17E+01	8.65E+01	0.95	Acceptable
2nd / 2011	07/25/11	E7860-278	Milk	pCi/L	Strontium-89	9.68E+01	1.03E+02	0.94	Acceptable
2nd / 2011	07/25/11	E7860-278	Milk	pCi/L	Strontium-90	1.58E+01	1.56E+01	1.01	Acceptable
2nd / 2011	07/25/11	E7861-278	Milk	pCi/L	Iodine-131	9.00E+01	1.03E+02	0.87	Acceptable
2nd / 2011	07/25/11	E7861-278	Milk	pCi/L	Cerium-141	8.36E+01	7.99E+01	1.05	Acceptable
2nd / 2011	07/25/11	E7861-278	Milk	pCi/L	Chromium-51	2.39E+02	2.06E+02	1.16	Acceptable
2nd / 2011	07/25/11	E7861-278	Milk	pCi/L	Cesium-134	1.71E+02	1.90E+02	0.90	Acceptable
2nd / 2011	07/25/11	E7861-278	Milk	pCi/L	Cesium-137	1.43E+02	1.38E+02	1.04	Acceptable
2nd / 2011	07/25/11	E7861-278	Milk	pCi/L	Cobalt-58	1.50E+02	1.52E+02	0.99	Acceptable
2nd / 2011	07/25/11	E7861-278	Milk	pCi/L	Manganese-54	1.32E+02	1.38E+02	0.96	Acceptable
2nd / 2011	07/25/11	E7861-278	Milk	pCi/L	Iron-59	1.43E+02	1.23E+02	1.16	Acceptable
2nd / 2011	07/25/11	E7861-278	Milk	pCi/L	Zinc-65	2.76E+02	2.61E+02	1.06	Acceptable
2nd / 2011	07/25/11	E7861-278	Milk	pCi/L	Cobalt-60	1.92E+02	1.95E+02	0.99	Acceptable
2nd / 2011	07/25/11	E7862-278	Water	pCi/L	Zinc-65	3.47E+02	3.05E+02	1.14	Acceptable
2nd / 2011	07/25/11	E7862-278	Water	pCi/L	Cobalt-60	2.38E+02	2.28E+02	1.05	Acceptable
2nd / 2011	07/25/11	E7862-278	Water	pCi/L	Iodine-131	1.20E+02	1.01E+02	1.19	Acceptable
2nd / 2011	07/25/11	E7862-278	Water	pCi/L	Cerium-141	9.30E+01	9.35E+01	0.99	Acceptable
2nd / 2011	07/25/11	E7862-278	Water	pCi/L	Chromium-51	3.36E+02	2.41E+02	1.39	Not Acceptable
2nd / 2011	07/25/11	E7862-278	Water	pCi/L	Cesium-134	2.02E+02	2.22E+02	0.91	Acceptable
2nd / 2011	07/25/11	E7862-278	Water	pCi/L	Cesium-137	1.73E+02	1.61E+02	1.07	Acceptable
2nd / 2011	07/25/11	E7862-278	Water	pCi/L	Manganese-54	1.66E+02	1.61E+02	1.03	Acceptable
2nd / 2011	07/25/11	E7862-278	Water	pCi/L	Iron-59	1.57E+02	1.44E+02	1.09	Acceptable

TABLE 6.1-2 Continued

Quarter / Year	Analysis Date	Sample Number	Sample Media	Unit	Analyte / Nuclide	GEL Value	Known value	Acceptance Range/ Ratio	Evaluation
3rd / 2011	10/19/11	E8095-278	Cartridge	pCi	Iodine-131	7.69E+01	8.02E+01	0.96	Acceptable
3rd / 2011	10/19/11	E8096-278	Milk	pCi/L	Strontium-89	9.51E+01	9.08E+01	1.05	Acceptable
3rd / 2011	10/19/11	E8096-278	Milk	pCi/L	Strontium-90	8.49E+00	1.47E+01	0.58	Not Acceptable
3rd / 2011	10/19/11	E8097-278	Milk	pCi/L	Iodine-131	8.59E+01	8.92E+01	0.96	Acceptable
3rd / 2011	10/19/11	E8097-278	Milk	pCi/L	Cerium-141	6.59E+01	6.67E+01	0.99	Acceptable
3rd / 2011	10/19/11	E8097-278	Milk	pCi/L	Chromium-51	2.18E+02	2.26E+02	0.96	Acceptable
3rd / 2011	10/19/11	E8097-278	Milk	pCi/L	Cesium-134	1.20E+02	1.28E+02	0.94	Acceptable
3rd / 2011	10/19/11	E8097-278	Milk	pCi/L	Cesium-137	1.23E+02	1.14E+02	1.08	Acceptable
3rd / 2011	10/19/11	E8097-278	Milk	pCi/L	Cobalt-58	9.08E+01	9.75E+01	0.93	Acceptable
3rd / 2011	10/19/11	E8097-278	Milk	pCi/L	Manganese-54	1.57E+02	1.51E+02	1.04	Acceptable
3rd / 2011	10/19/11	E8097-278	Milk	pCi/L	Iron-59	5.30E+01	5.48E+01	0.97	Acceptable
3rd / 2011	10/19/11	E8097-278	Milk	pCi/L	Zinc-65	1.88E+02	1.80E+02	1.04	Acceptable
3rd / 2011	10/19/11	E8097-278	Milk	pCi/L	Cobalt-60	1.51E+02	1.57E+02	0.96	Acceptable
3rd / 2011	10/19/11	E8098-278	Water	pCi/L	Iodine-131	7.23E+01	8.01E+01	0.9	Acceptable
3rd / 2011	10/19/11	E8098-278	Water	pCi/L	Cerium-141	9.06E+01	9.15E+01	0.99	Acceptable
3rd / 2011	10/19/11	E8098-278	Water	pCi/L	Chromium-51	3.19E+02	3.10E+02	1.03	Acceptable
3rd / 2011	10/19/11	E8098-278	Water	pCi/L	Cesium-134	1.57E+02	1.76E+02	0.89	Acceptable
3rd / 2011	10/19/11	E8098-278	Water	pCi/L	Cesium-137	1.60E+02	1.56E+02	1.03	Acceptable
3rd / 2011	10/19/11	E8098-278	Water	pCi/L	Cobalt-58	1.34E+02	1.34E+02	1.00	Acceptable
3rd / 2011	10/19/11	E8098-278	Water	pCi/L	Manganese-54	2.19E+02	2.07E+02	1.06	Acceptable
3rd / 2011	10/19/11	E8098-278	Water	pCi/L	Iron-59	9.04E+01	7.52E+01	1.20	Acceptable
3rd / 2011	10/19/11	E8098-278	Water	pCi/L	Zinc-65	2.74E+02	2.47E+02	1.11	Acceptable
3rd / 2011	10/19/11	E8098-278	Water	pCi/L	Cobalt-60	2.25E+02	2.15E+02	1.04	Acceptable
4th / 2011	01/12/12	E8197-278	Cartridge	pCi	Iodine-131	9.52E+01	9.82E+01	1.07	Acceptable
4th / 2011	01/12/12	E8198-278	Milk	pCi/L	Strontium-89	8.78E+01	8.96E+01	0.98	Acceptable
4th / 2011	01/12/12	E8198-278	Milk	pCi/L	Strontium-90	1.51E+01	1.48E+01	1.02	Acceptable
4th / 2011	01/12/12	E8199-278	Milk	pCi/L	Iodine-131	9.36E+01	9.02E+01	1.04	Acceptable
4th / 2011	01/12/12	E8199-278	Milk	pCi/L	Chromium-51	5.53E+02	5.66E+02	0.98	Acceptable
4th / 2011	01/12/12	E8199-278	Milk	pCi/L	Cesium-134	1.59E+02	1.71E+02	0.93	Acceptable
4th / 2011	01/12/12	E8199-278	Milk	pCi/L	Cesium-137	2.27E+02	2.10E+02	1.08	Acceptable
4th / 2011	01/12/12	E8199-278	Milk	pCi/L	Cobalt-58	2.18E+02	2.21E+02	0.99	Acceptable
4th / 2011	01/12/12	E8199-278	Milk	pCi/L	Manganese-54	2.52E+02	2.41E+02	1.05	Acceptable
4th / 2011	01/12/12	E8199-278	Milk	pCi/L	Iron-59	1.90E+02	1.83E+02	1.04	Acceptable
4th / 2011	01/12/12	E8199-278	Milk	pCi/L	Zinc-65	3.19E+02	2.91E+02	1.09	Acceptable
4th / 2011	01/12/12	E8199-278	Milk	pCi/L	Cobalt-60	2.82E+02	2.70E+02	1.04	Acceptable
4th / 2011	01/12/12	E8200-278	Water	pCi/L	Iodine-131	8.44E+01	8.87E+01	0.95	Acceptable
4th / 2011	01/12/12	E8200-278	Water	pCi/L	Chromium-51	5.32E+02	5.66E+02	0.94	Acceptable
4th / 2011	01/12/12	E8200-278	Water	pCi/L	Cesium-134	1.56E+02	1.71E+02	0.91	Acceptable
4th / 2011	01/12/12	E8200-278	Water	pCi/L	Cesium-137	2.06E+02	2.10E+02	0.98	Acceptable
4th / 2011	01/12/12	E8200-278	Water	pCi/L	Cobalt-58	2.02E+02	2.21E+02	0.92	Acceptable
4th / 2011	01/12/12	E8200-278	Water	pCi/L	Manganese-54	2.50E+02	2.41E+02	1.04	Acceptable
4th / 2011	01/12/12	E8200-278	Water	pCi/L	Iron-59	1.81E+02	1.83E+02	0.99	Acceptable
4th / 2011	01/12/12	E8200-278	Water	pCi/L	Zinc-65	2.95E+02	2.91E+02	1.01	Acceptable
4th / 2011	01/12/12	E8200-278	Water	pCi/L	Cobalt-60	2.58E+02	2.70E+02	0.96	Acceptable

TABLE 6.1-3
2011 RADIOLOGICAL ENVIRONMENTAL MONITORING PROGRAM (REMP)
INTRA-LABORATORY DATA SUMMARY: BIAS AND PRECISION BY MATRIX

MATRIX AND ANALYSIS	Laboratory Control Sample (LCS) Bias Criteria (± 25%)		Duplicate/LCS Duplicate Precision Criteria (Note 1)	
	WITHIN CRITERIA	OUTSIDE CRITERIA	WITHIN CRITERIA	OUTSIDE CRITERIA
MILK				
Gamma Iodine-131	40	0	125	0
Gamma Spec Liquid with Ba, La	83	0	125	0
Gas Flow Sr 2nd Count	38	0	38	0
Gas Flow Total Strontium	26	0	26	0
SOLID				
Gamma Spec	24	0	24	0
Gamma Spec Solid with Ba, La	8	0	8	0
Gamma Spec Solid with Iodine	2	0	2	0
LSC Iron-55	4	0	4	0
LSC Nickel-63	4	0	4	0
Gas Flow Sr 2nd count	8	0	8	0
Gas Flow Total Strontium	7	0	7	0
FILTER				
Alpha Spec Am-241, Curium	9	0	9	0
Gamma Spec	72	0	72	0
Gamma Iodine-131	5	0	5	0
Gas Flow Sr 2nd Count	6	0	7	0
Gas Flow Strontium-90	7	0	7	0
Gas Flow Total Strontium	3	0	13	0
Direct Count-Gross Alpha/Beta	5	0	5	0
Gross Alpha/Beta	448	0	458	0
LIQUID				
Alpha Spec Uranium	3	0	3	0
Alpha Spec Plutonium	3	0	3	0
Alpha Spec Am-241, Curium	5	0	5	0
Gamma Spec	32	0	32	0
Gamma Spec Liquid with Ba, La	100	0	136	0
Gamma Spec Liquid with Iodine	51	0	52	0
Gamma Iodine-131	22	0	36	0
LSC Tritium	231	0	227	0
LSC Iron-55	25	0	26	0
LSC Nickel-63	25	0	24	0
Gas Flow Sr 2nd count	26	0	25	0
Gas Flow Total Strontium	63	0	58	0
Gross Alpha/Beta	86	0	75	0
TISSUE				
Gamma Spec	37	0	38	0
Gamma Spec Solid with Ba, La	7	0	7	0
Gamma Spec Solid with Iodine	17	0	19	0
LSC Nickel-63	7	0	7	0

TABLE 6.1-3 Continued

MATRIX AND ANALYSIS	Laboratory Control Sample (LCS) Bias Criteria (± 25%)		Duplicate/LCS Duplicate Precision Criteria (Note 1)	
	WITHIN CRITERIA	OUTSIDE CRITERIA	WITHIN CRITERIA	OUTSIDE CRITERIA
Gas Flow Sr 2nd count	19	0	19	0
Gas Flow Total Strontium	12	0	12	0
VEGETATION				
Gamma Spec	3	0	3	0
Gamma Spec Solid with Iodine	83	0	82	0
Gas Flow Sr 2nd count	9	0	9	0
Gas Flow Total Strontium	4	0	4	0
AIR CHARCOAL				
Gamma Iodine-131	420	0	421	0
DRINKING WATER				
Gamma Iodine-131	27	0	40	0
Gamma Spec Liquid with Ba, La	73	0	72	0
LSC Tritium	28	0	28	0
LSC Iron-55	11	0	11	0
LSC Nickel 63	10	0	12	0
Gas Flow Sr 2nd count	11	0	13	0
Gas Flow Total Strontium	7	0	12	0
Gross Alpha/Beta	58	0	62	0
TOTAL:	2314	0	2520	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.

6.2 Environmental TLD QA

Environmental dosimetry services for the reporting period of January – December, 2011 were provided through Stanford Dosimetry, with TLD processing by the Environmetal Dosimetry Company (EDC), Sterling, Massachusetts. The TLD systems at the Environmental Dosimetry Company (EDC) are calibrated and operated to ensure consistent and accurate evaluation of TLDs. The quality of the dosimetric results reported to EDC clients is ensured by in-house performance testing and independent performance testing by EDC clients.

The purpose of the dosimetry quality assurance program is to provide performance documentation of the routine processing of EDC dosimeters. Performance testing provides a statistical measure of the bias and precision of dosimetry processing against a reliable standard, which in turn points out any trends or performance changes. Dosimetry quality control tests are performed on EDC Panasonic 814 Environmental dosimeters. These tests include: (1) the in-house testing program conducted by the EDC QA Officer and (2) independent test perform by EDC clients. In-house test are performed using six pairs of 814 dosimeters, a pair is reported as an individual result and six pairs are reported as the mean result.

Excluded from this report are instrumentation checks. Although instrumentation checks represent an important aspect of the quality assurance program, they are not included as process checks in this report. Instrumentation checks represent between 5-10% of the TLDs processed.

Table 6.2-1 provides a summary of individual dosimeter results evaluated against the EDC internal acceptance criteria for high-energy photons (Cs-137) only. The internal acceptance (tolerance) criteria for the Panasonic Environmental dosimeters are: ± 15% for bias and ± 12.8% for precision. During this period, 100% (72/72) of the individual dosimeters, evaluated against these criteria met the tolerance limits for accuracy and 100% (72/72) met the criterion for precision.

Table 6.2-2 provides the Bias + Standard deviation results for each group (N=6) of dosimeters evaluated against the internal tolerance criteria. Overall,100% (12/12) of the dosimeter sets evaluated against the internal tolerance performance criteria met these criteria.

Table 6.2-3 presents the independent blind spike results for irradiated dosimeters provided by client utilities during this annual period. All results passed the performance acceptance criterion.

Table 6.2-4 presents the independent blind duplicate results for dosimeters co-located with field dosimeters provided by the client utility (Seabrook Station) during the annual period. All results passed the performance criteria of agreement to within 20% (within 3-sigma) of the field dosimeter.

TABLE 6.2-1

PERCENTAGE OF INDIVIDUAL DOSIMETERS THAT PASSED EDC INTERNAL CRITERIA JANUARY – DECEMBER 2011[1], [2]

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

[1]This table summarizes results of tests conducted by EDC.
[2]Environmental dosimeter results are free in air.

TABLE 6.2-2

MEAN DOSIMETER ANALYSES (N=6)
JANUARY – DECEMBER 2011[1], [2]

Process Date	Mean Bias %	Standard Deviation %	Tolerance Limit +/-15%
04/22/2011	3.0	1.9	Pass
05/02/2011	8.0	1.4	Pass
05/18/2011	0.2	1.4	Pass
07/21/2011	6.2	0.6	Pass
08/05/2011	5.4	0.6	Pass
08/16/2011	7.0	1.1	Pass
10/14/2011	-1.6	1.7	Pass
11/07/2011	0.4	0.8	Pass
01/19/2012	-1.0	1.3	Pass
01/22/2012	-3.1	1.8	Pass
01/29/2012	4.9	1.2	Pass
02/09/2012	-1.6	1.5	Pass

[1] This table summarizes results of tests conducted by EDC for TLDs issued in 2011.
[2] Environmental dosimeter results are free in air.

TABLE 6.2-3
SUMMARY OF INDEPENDENT BLIND SPIKE DOSIMETER TESTING
JANUARY – DECEMBER 2011[1], [2]

Issuance Period	Client	Mean Bias %	Standard Deviation %	Pass / Fail
1st Qtr.2011	Millstone	-1.3	1.0	Pass
2nd Qtr.2011	Millstone	-5.0	1.3	Pass
2nd Qtr.2011	Seabrook	2.0	1.8	Pass
3rd Qtr. 2011	Millstone	-2.1	2.9	Pass
4th Qtr.2011	Millstone	7.8	2.8	Pass
4th Qtr.2011	Seabrook	1.7	2.0	Pass

[1] Performance criteria is +/- 30%.
[2] Blind spike irradiations using Cs-137

TABLE 6.2-4
SUMMARY OF INDEPENDENT BLIND DUPLICATE DOSIMETER TESTING
JANUARY – DECEMBER 2011[1]

Issuance Period	Client	Number Tested	Mean Bias %	Standard Deviation %	% Passed Precision Criteria
1st Qtr.2011	Seabrook	6	-1.8	3.9	100
2nd Qtr.2011	Seabrook	6	2.7	1.6	100
3rd Qtr.2011	Seabrook	12	-2.5	5.8	100
4th Qtr.2011	Seabrook	6	1.9	5.2	100

[1] Performance criteria is Bias % within ± 20% for each test dosimeter.

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 2011 census was completed in accordance with the requirements of the ODCM. In 2011, 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 2011 Land Use Census and their distances are shown in Table 7.0-1. There were no changes in the identification of nearest residents from last year's census. There were two sectors which had a new nearest garden location different from last year's land use census (W, NNW). There was one new milk location identified within the required 8 km radius that was different from those reported in the 2010 land use census, while two previously identified locations were not identified in the 2011 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 2011, 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

2011 Land Use Census Results
(Within 5 Miles)

Sector	Nearest Residence (km)	Nearest Garden (km)	Nearest Milk Animal (km)
N	2.73	3.97	
NNE	3.09	3.09	8.1[b]
NE	2.92	4.20	
ENE	2.31	---	
E	2.56	---	
ESE	2.43	---	
SE	2.36	4.18	
SSE	1.65	---	
S	1.21	1.25	
SSW	1.12	1.22	
SW	1.13	1.72	4.52[a]
WSW	1.87	2.27	
W	1.32	2.18[a]	
WNW	1.11	1.52	
NW	1.22	1.18	6.93
NNW	1.04	1.96[a]	

[a] New locations in 2011.

[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 2011

FLAGS

A blank Flag field indicates that the measured activity is considered positive as it is greater than the MDC and has no other qualifiers noted.

U: Target isotope was analyzed for but not detected above the MDC and LLD.
UI: Uncertain identification for gamma spectroscopy.
X: Lab-specific qualifier:
(1) False positive due the presence of radon gas in the water.
M: Reported result is less than the LLD and greater than the MDC.
DL: Measured MDC is greater than the LLD.
DL*: Near miss of MDC being within round-off difference of being greater than the LLD.

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
AL	05	279319001	6/1/2011	Ac-228	2.37E+01	2.48E+01	8.33E+01	U
AL	05	279319001	6/1/2011	Ag-108m	-5.11E+00	4.11E+00	1.18E+01	U
AL	05	279319001	6/1/2011	Ag-110m	5.53E+00	5.24E+00	1.60E+01	U
AL	05	279319001	6/1/2011	Ba-140	3.51E+01	2.47E+01	8.70E+01	U
AL	05	279319001	6/1/2011	Be-7	1.65E+02	7.25E+01	2.21E+02	U
AL	05	279319001	6/1/2011	Bi-214	-7.08E+00	1.17E+01	3.46E+01	U
AL	05	279319001	6/1/2011	Ce-141	8.21E+00	1.00E+01	3.26E+01	U
AL	05	279319001	6/1/2011	Ce-144	2.51E+01	2.50E+01	8.11E+01	U
AL	05	279319001	6/1/2011	Co-57	-2.11E+00	3.32E+00	1.04E+01	U
AL	05	279319001	6/1/2011	Co-58	5.15E+00	6.09E+00	2.06E+01	U
AL	05	279319001	6/1/2011	Co-60	-3.97E+00	6.46E+00	2.00E+01	U
AL	05	279319001	6/1/2011	Cr-51	-1.59E+01	6.72E+01	2.19E+02	U
AL	05	279319001	6/1/2011	Cs-134	3.79E+00	6.56E+00	2.20E+01	U
AL	05	279319001	6/1/2011	Cs-137	1.64E+01	7.05E+00	1.66E+01	U
AL	05	279319001	6/1/2011	Fe-59	-7.65E-01	1.70E+01	5.68E+01	U
AL	05	279319001	6/1/2011	I-131	4.38E+01	4.10E+01	1.37E+02	U
AL	05	279319001	6/1/2011	K-40	9.80E+03	5.44E+02	1.43E+02	
AL	05	279319001	6/1/2011	La-140	3.51E+01	2.46E+01	8.70E+01	U
AL	05	279319001	6/1/2011	Mn-54	-3.22E+00	5.02E+00	1.55E+01	U
AL	05	279319001	6/1/2011	Nb-95	4.62E+00	6.52E+00	2.20E+01	U
AL	05	279319001	6/1/2011	Pb-212	2.11E+01	1.07E+01	3.09E+01	U
AL	05	279319001	6/1/2011	Pb-214	-1.83E+01	1.23E+01	3.46E+01	U
AL	05	279319001	6/1/2011	Ra-226	-7.08E+00	1.17E+01	3.46E+01	U
AL	05	279319001	6/1/2011	Ru-103	7.00E+00	6.43E+00	2.13E+01	U
AL	05	279319001	6/1/2011	Ru-106	2.27E+01	4.24E+01	1.45E+02	U
AL	05	279319001	6/1/2011	Sb-124	-2.35E+01	1.18E+01	2.11E+01	U
AL	05	279319001	6/1/2011	Sb-125	4.55E+00	1.20E+01	3.93E+01	U
AL	05	279319001	6/1/2011	Se-75	1.77E+01	7.52E+00	2.31E+01	U
AL	05	279319001	6/1/2011	Th-228	2.11E+01	1.07E+01	3.09E+01	U
AL	05	279319001	6/1/2011	Th-230	-7.08E+00	1.17E+01	3.46E+01	U
AL	05	279319001	6/1/2011	Tl-208	1.13E-01	5.03E+00	1.69E+01	U
AL	05	279319001	6/1/2011	Zn-65	-2.93E+01	1.71E+01	4.72E+01	U
AL	05	279319001	6/1/2011	Zr-95	1.35E+01	1.24E+01	4.18E+01	U
AL	05	290638001	11/16/2011	Ac-228	2.12E+01	1.49E+01	4.22E+01	U
AL	05	290638001	11/16/2011	Ag-108m	-2.00E+00	2.27E+00	7.25E+00	U
AL	05	290638001	11/16/2011	Ag-110m	-3.84E+00	2.75E+00	8.11E+00	U
AL	05	290638001	11/16/2011	Ba-140	1.39E+00	3.92E+00	1.29E+01	U
AL	05	290638001	11/16/2011	Be-7	2.13E+02	3.31E+01	7.20E+01	
AL	05	290638001	11/16/2011	Ce-141	4.22E+00	4.41E+00	1.43E+01	U
AL	05	290638001	11/16/2011	Ce-144	-1.65E+01	1.62E+01	5.09E+01	U
AL	05	290638001	11/16/2011	Co-57	-6.83E-01	2.03E+00	6.67E+00	U
AL	05	290638001	11/16/2011	Co-58	-1.28E+00	2.64E+00	8.30E+00	U
AL	05	290638001	11/16/2011	Co-60	1.05E+00	3.99E+00	1.05E+01	U
AL	05	290638001	11/16/2011	Cr-51	4.66E+00	2.30E+01	7.80E+01	U
AL	05	290638001	11/16/2011	Cs-134	-3.77E+00	3.44E+00	1.03E+01	U
AL	05	290638001	11/16/2011	Cs-137	3.24E+00	3.03E+00	9.86E+00	U
AL	05	290638001	11/16/2011	Fe-59	-1.78E+00	5.94E+00	1.95E+01	U
AL	05	290638001	11/16/2011	I-131	1.17E+01	5.44E+00	1.65E+01	U
AL	05	290638001	11/16/2011	K-40	5.85E+03	3.27E+02	7.94E+01	
AL	05	290638001	11/16/2011	La-140	1.39E+00	3.92E+00	1.29E+01	U
AL	05	290638001	11/16/2011	Mn-54	7.33E-01	2.59E+00	8.41E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
AL	05	290638001	11/16/2011	Nb-95	9.57E+00	3.62E+00	1.01E+01	U
AL	05	290638001	11/16/2011	Ru-103	-2.17E-01	2.56E+00	8.45E+00	U
AL	05	290638001	11/16/2011	Ru-106	5.11E+00	2.42E+01	7.95E+01	U
AL	05	290638001	11/16/2011	Sb-124	-1.57E+00	5.20E+00	1.64E+01	U
AL	05	290638001	11/16/2011	Sb-125	-6.54E+00	7.06E+00	2.25E+01	U
AL	05	290638001	11/16/2011	Se-75	1.01E+00	3.34E+00	1.08E+01	U
AL	05	290638001	11/16/2011	Th-228	1.30E+01	9.48E+00	1.86E+01	U
AL	05	290638001	11/16/2011	Zn-65	-5.28E+00	7.05E+00	2.25E+01	U
AL	05	290638001	11/16/2011	Zr-95	5.66E-01	4.63E+00	1.51E+01	U
AL	55	279319002	6/1/2011	Ac-228	1.83E+01	2.03E+01	6.78E+01	U
AL	55	279319002	6/1/2011	Ag-108m	-7.34E-01	3.30E+00	1.07E+01	U
AL	55	279319002	6/1/2011	Ag-110m	-1.46E+00	3.92E+00	1.29E+01	U
AL	55	279319002	6/1/2011	Ba-140	-5.35E+00	2.00E+01	6.34E+01	U
AL	55	279319002	6/1/2011	Be-7	2.46E+02	1.04E+02	1.52E+02	
AL	55	279319002	6/1/2011	Bi-214	3.54E-02	1.03E+01	3.21E+01	U
AL	55	279319002	6/1/2011	Ce-141	2.76E+00	1.13E+01	3.51E+01	U
AL	55	279319002	6/1/2011	Ce-144	-1.93E+01	2.49E+01	7.76E+01	U
AL	55	279319002	6/1/2011	Co-57	2.41E+00	3.36E+00	1.11E+01	U
AL	55	279319002	6/1/2011	Co-58	-6.54E-02	5.28E+00	1.75E+01	U
AL	55	279319002	6/1/2011	Co-60	-1.08E+01	5.97E+00	1.57E+01	U
AL	55	279319002	6/1/2011	Cr-51	-4.63E+00	5.75E+01	1.91E+02	U
AL	55	279319002	6/1/2011	Cs-134	-2.89E+00	4.65E+00	1.46E+01	U
AL	55	279319002	6/1/2011	Cs-137	3.57E+00	3.96E+00	1.38E+01	U
AL	55	279319002	6/1/2011	Fe-59	1.33E+01	1.48E+01	4.99E+01	U
AL	55	279319002	6/1/2011	I-131	4.14E+01	4.83E+01	1.63E+02	U
AL	55	279319002	6/1/2011	K-40	7.18E+03	4.30E+02	1.75E+02	
AL	55	279319002	6/1/2011	La-140	-5.35E+00	2.00E+01	6.34E+01	U
AL	55	279319002	6/1/2011	Mn-54	-4.54E+00	3.95E+00	1.14E+01	U
AL	55	279319002	6/1/2011	Nb-95	-8.67E+00	5.93E+00	1.55E+01	U
AL	55	279319002	6/1/2011	Pb-212	2.15E+01	1.21E+01	2.78E+01	U
AL	55	279319002	6/1/2011	Pb-214	-4.52E+00	9.80E+00	3.10E+01	U
AL	55	279319002	6/1/2011	Ra-226	3.54E-02	1.03E+01	3.21E+01	U
AL	55	279319002	6/1/2011	Ru-103	-5.46E+00	5.73E+00	1.70E+01	U
AL	55	279319002	6/1/2011	Ru-106	-4.53E+01	3.89E+01	1.18E+02	U
AL	55	279319002	6/1/2011	Sb-124	-3.65E+00	1.14E+01	3.57E+01	U
AL	55	279319002	6/1/2011	Sb-125	-7.44E-01	1.07E+01	3.48E+01	U
AL	55	279319002	6/1/2011	Se-75	-1.21E+00	5.65E+00	1.89E+01	U
AL	55	279319002	6/1/2011	Th-228	2.15E+01	1.21E+01	2.78E+01	U
AL	55	279319002	6/1/2011	Th-230	3.54E-02	1.03E+01	3.21E+01	U
AL	55	279319002	6/1/2011	Tl-208	6.51E+00	6.65E+00	1.28E+01	U
AL	55	279319002	6/1/2011	Zn-65	1.61E+01	1.35E+01	4.52E+01	U
AL	55	279319002	6/1/2011	Zr-95	6.60E+00	9.50E+00	3.26E+01	U
AL	55	290638002	11/16/2011	Ac-228	3.34E+01	1.98E+01	5.66E+01	U
AL	55	290638002	11/16/2011	Ag-108m	-8.17E+00	3.23E+00	7.40E+00	U
AL	55	290638002	11/16/2011	Ag-110m	4.28E-01	2.99E+00	1.00E+01	U
AL	55	290638002	11/16/2011	Ba-140	4.38E+00	5.00E+00	1.71E+01	U
AL	55	290638002	11/16/2011	Be-7	4.82E+02	5.33E+01	8.64E+01	
AL	55	290638002	11/16/2011	Ce-141	3.39E+00	4.56E+00	1.35E+01	U
AL	55	290638002	11/16/2011	Ce-144	3.26E+01	1.69E+01	5.02E+01	U
AL	55	290638002	11/16/2011	Co-57	6.58E-01	2.16E+00	6.32E+00	U
AL	55	290638002	11/16/2011	Co-58	-2.34E+00	3.34E+00	1.04E+01	U

Seabrook REMP Summary of 2011 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
AL	55	290638002	11/16/2011	Co-60	9.98E-02	4.04E+00	1.33E+01	U
AL	55	290638002	11/16/2011	Cr-51	1.28E+01	2.58E+01	8.56E+01	U
AL	55	290638002	11/16/2011	Cs-134	8.04E+00	4.82E+00	1.56E+01	U
AL	55	290638002	11/16/2011	Cs-137	-9.01E+00	4.72E+00	1.10E+01	U
AL	55	290638002	11/16/2011	Fe-59	6.00E+00	8.87E+00	3.01E+01	U
AL	55	290638002	11/16/2011	I-131	1.22E+01	6.41E+00	1.79E+01	U
AL	55	290638002	11/16/2011	K-40	5.15E+03	2.75E+02	1.08E+02	
AL	55	290638002	11/16/2011	La-140	4.38E+00	4.99E+00	1.71E+01	U
AL	55	290638002	11/16/2011	Mn-54	8.51E-01	3.38E+00	1.12E+01	U
AL	55	290638002	11/16/2011	Nb-95	7.88E+00	4.08E+00	1.30E+01	U
AL	55	290638002	11/16/2011	Ru-103	-2.65E+00	3.14E+00	9.52E+00	U
AL	55	290638002	11/16/2011	Ru-106	1.79E+01	2.82E+01	9.54E+01	U
AL	55	290638002	11/16/2011	Sb-124	-1.28E+00	7.91E+00	2.52E+01	U
AL	55	290638002	11/16/2011	Sb-125	-1.56E+01	9.30E+00	2.60E+01	U
AL	55	290638002	11/16/2011	Se-75	2.68E+00	3.42E+00	1.14E+01	U
AL	55	290638002	11/16/2011	Th-228	2.99E+01	8.98E+00	1.52E+01	
AL	55	290638002	11/16/2011	Zn-65	-1.37E+01	9.51E+00	2.81E+01	U
AL	55	290638002	11/16/2011	Zr-95	6.11E+00	6.04E+00	2.02E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
AP	01	270289001	1/11/2011	BETA	3.50E-02	1.41E-03	8.02E-04	
AP	01	271270001	1/26/2011	BETA	2.30E-02	1.06E-03	6.63E-04	
AP	01	272216001	2/9/2011	BETA	3.62E-02	1.39E-03	8.04E-04	
AP	01	272943001	2/23/2011	BETA	3.26E-02	1.33E-03	8.68E-04	
AP	01	273849001	3/9/2011	BETA	2.79E-02	1.21E-03	7.77E-04	
AP	01	274665001	3/23/2011	BETA	2.13E-02	1.07E-03	7.49E-04	
AP	01	274937001	3/30/2011	BETA	4.27E-02	2.12E-03	1.55E-03	
AP	01	277523001	3/30/2011	Ac-228	3.71E-04	5.40E-04	1.81E-03	U
AP	01	277523001	3/30/2011	Ag-108m	1.18E-05	7.74E-05	2.56E-04	U
AP	01	277523001	3/30/2011	Ag-110m	-1.40E-04	1.34E-04	4.08E-04	U
AP	01	277523001	3/30/2011	Ba-140	-1.46E-02	2.20E-02	6.54E-02	U
AP	01	277523001	3/30/2011	Be-7	1.02E-01	8.23E-03	1.07E-02	
AP	01	277523001	3/30/2011	Ce-141	1.55E-04	7.92E-04	2.59E-03	U
AP	01	277523001	3/30/2011	Ce-144	-1.43E-04	6.04E-04	1.95E-03	U
AP	01	277523001	3/30/2011	Co-57	6.75E-05	7.78E-05	2.58E-04	U
AP	01	277523001	3/30/2011	Co-58	-3.05E-04	2.64E-04	7.61E-04	U
AP	01	277523001	3/30/2011	Co-60	1.20E-04	1.12E-04	4.06E-04	U
AP	01	277523001	3/30/2011	Cr-51	-1.43E-03	7.72E-03	2.56E-02	U
AP	01	277523001	3/30/2011	Cs-134	5.59E-05	1.20E-04	4.14E-04	U
AP	01	277523001	3/30/2011	Cs-137	1.09E-04	1.20E-04	4.17E-04	U
AP	01	277523001	3/30/2011	Fe-59	-1.31E-03	1.02E-03	2.73E-03	U
AP	01	277523001	3/30/2011	I-131	2.72E-01	2.99E-01	0.00E+00	UI
AP	01	277523001	3/30/2011	La-140	-1.46E-02	2.20E-02	6.54E-02	U
AP	01	277523001	3/30/2011	Mn-54	2.75E-04	1.55E-04	5.27E-04	U
AP	01	277523001	3/30/2011	Nb-95	8.82E-05	2.55E-04	8.69E-04	U
AP	01	277523001	3/30/2011	Ru-103	-6.20E-04	4.42E-04	1.19E-03	U
AP	01	277523001	3/30/2011	Ru-106	-4.10E-04	1.05E-03	3.44E-03	U
AP	01	277523001	3/30/2011	Sb-124	-1.60E-03	9.88E-04	2.33E-03	U
AP	01	277523001	3/30/2011	Sb-125	-9.75E-05	2.97E-04	9.53E-04	U
AP	01	277523001	3/30/2011	Se-75	7.16E-05	1.77E-04	6.07E-04	U
AP	01	277523001	3/30/2011	Th-228	4.89E-04	2.60E-04	5.96E-04	U
AP	01	277523001	3/30/2011	Zn-65	4.01E-04	3.86E-04	1.31E-03	U
AP	01	277523001	3/30/2011	Zr-95	-4.45E-04	4.68E-04	1.40E-03	U
AP	01	275574001	4/6/2011	BETA	5.74E-02	2.52E-03	1.45E-03	
AP	01	276545001	4/20/2011	BETA	3.97E-02	1.47E-03	5.28E-04	
AP	01	277483001	5/3/2011	BETA	2.11E-02	1.13E-03	7.39E-04	
AP	01	278643001	5/18/2011	BETA	1.19E-02	8.02E-04	7.37E-04	
AP	01	279338001	6/1/2011	BETA	1.86E-02	9.98E-04	7.81E-04	
AP	01	280318001	6/15/2011	BETA	1.83E-02	9.21E-04	6.76E-04	
AP	01	281129001	6/29/2011	BETA	1.61E-02	8.59E-04	6.16E-04	
AP	01	284171001	6/29/2011	Ac-228	4.22E-04	4.72E-04	1.69E-03	U
AP	01	284171001	6/29/2011	Ag-108m	1.08E-04	9.79E-05	3.37E-04	U
AP	01	284171001	6/29/2011	Ag-110m	-4.08E-06	1.61E-04	4.69E-04	U
AP	01	284171001	6/29/2011	Ba-140	-2.51E-02	4.96E-02	0.00E+00	U
AP	01	284171001	6/29/2011	Be-7	9.20E-02	1.00E-02	1.21E-02	
AP	01	284171001	6/29/2011	Ce-141	1.14E-03	1.23E-03	4.22E-03	U
AP	01	284171001	6/29/2011	Ce-144	6.13E-04	6.66E-04	2.30E-03	U
AP	01	284171001	6/29/2011	Co-57	-4.44E-05	7.74E-05	2.52E-04	U
AP	01	284171001	6/29/2011	Co-58	3.94E-04	3.03E-04	1.11E-03	U
AP	01	284171001	6/29/2011	Co-60	2.12E-04	1.78E-04	6.41E-04	U
AP	01	284171001	6/29/2011	Cr-51	1.41E-03	1.26E-02	4.14E-02	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
AP	01	284171001	6/29/2011	Cs-134	9.50E-04	2.67E-04	3.44E-04	M
AP	01	284171001	6/29/2011	Cs-137	9.44E-04	2.33E-04	3.85E-04	M
AP	01	284171001	6/29/2011	Fe-59	5.82E-04	1.17E-03	4.06E-03	U
AP	01	284171001	6/29/2011	I-131	7.47E-01	7.23E-01	0.00E+00	UI
AP	01	284171001	6/29/2011	La-140	-2.51E-02	4.96E-02	0.00E+00	U
AP	01	284171001	6/29/2011	Mn-54	2.09E-04	1.61E-04	5.83E-04	U
AP	01	284171001	6/29/2011	Nb-95	3.37E-04	3.54E-04	1.26E-03	U
AP	01	284171001	6/29/2011	Ru-103	-6.41E-04	7.78E-04	2.27E-03	U
AP	01	284171001	6/29/2011	Ru-106	-2.61E-03	1.59E-03	4.16E-03	U
AP	01	284171001	6/29/2011	Sb-124	-6.98E-04	1.06E-03	3.03E-03	U
AP	01	284171001	6/29/2011	Sb-125	-1.75E-04	3.12E-04	9.49E-04	U
AP	01	284171001	6/29/2011	Se-75	-1.91E-04	2.75E-04	8.62E-04	U
AP	01	284171001	6/29/2011	Th-228	4.34E-05	1.87E-04	6.46E-04	U
AP	01	284171001	6/29/2011	Zn-65	-6.31E-04	3.57E-04	6.50E-04	U
AP	01	284171001	6/29/2011	Zr-95	1.57E-03	7.15E-04	2.55E-03	U
AP	01	282335001	7/13/2011	BETA	2.99E-02	1.18E-03	7.00E-04	
AP	01	283010001	7/27/2011	BETA	3.69E-02	1.50E-03	9.17E-04	
AP	01	284042001	8/10/2011	BETA	2.75E-02	1.30E-03	9.24E-04	
AP	01	284899001	8/24/2011	BETA	2.64E-02	1.27E-03	8.44E-04	
AP	01	285758001	9/7/2011	BETA	3.34E-02	1.39E-03	6.83E-04	
AP	01	286566001	9/21/2011	BETA	2.79E-02	1.32E-03	7.37E-04	
AP	01	290255001	9/21/2011	Ac-228	5.33E-04	1.24E-03	4.41E-03	U
AP	01	290255001	9/21/2011	Ag-108m	-2.97E-04	2.02E-04	5.29E-04	U
AP	01	290255001	9/21/2011	Ag-110m	4.37E-05	2.91E-04	9.86E-04	U
AP	01	290255001	9/21/2011	Ba-140	-1.51E-02	1.25E-01	0.00E+00	U
AP	01	290255001	9/21/2011	Be-7	1.41E-01	1.90E-02	2.64E-02	
AP	01	290255001	9/21/2011	Ce-141	3.67E-04	2.07E-03	6.77E-03	U
AP	01	290255001	9/21/2011	Ce-144	1.82E-03	1.10E-03	3.62E-03	U
AP	01	290255001	9/21/2011	Co-57	9.91E-06	1.19E-04	3.93E-04	U
AP	01	290255001	9/21/2011	Co-58	-1.40E-03	7.87E-04	1.77E-03	U
AP	01	290255001	9/21/2011	Co-60	-3.06E-04	3.17E-04	8.84E-04	U
AP	01	290255001	9/21/2011	Cr-51	-1.44E-02	2.35E-02	7.41E-02	U
AP	01	290255001	9/21/2011	Cs-134	1.13E-04	3.09E-04	1.06E-03	U
AP	01	290255001	9/21/2011	Cs-137	-1.02E-04	2.36E-04	7.51E-04	U
AP	01	290255001	9/21/2011	Fe-59	-1.42E-03	2.46E-03	7.53E-03	U
AP	01	290255001	9/21/2011	I-131	-2.13E+00	2.82E+00	0.00E+00	U
AP	01	290255001	9/21/2011	La-140	-1.51E-02	1.25E-01	0.00E+00	U
AP	01	290255001	9/21/2011	Mn-54	-3.13E-05	2.35E-04	7.57E-04	U
AP	01	290255001	9/21/2011	Nb-95	-2.67E-04	6.59E-04	2.06E-03	U
AP	01	290255001	9/21/2011	Ru-103	-7.94E-04	1.55E-03	4.72E-03	U
AP	01	290255001	9/21/2011	Ru-106	-2.55E-04	2.27E-03	7.52E-03	U
AP	01	290255001	9/21/2011	Sb-124	6.77E-04	1.82E-03	6.37E-03	U
AP	01	290255001	9/21/2011	Sb-125	-6.91E-05	5.40E-04	1.74E-03	U
AP	01	290255001	9/21/2011	Se-75	-9.35E-04	5.07E-04	1.34E-03	U
AP	01	290255001	9/21/2011	Th-228	3.58E-04	3.72E-04	1.35E-03	U
AP	01	290255001	9/21/2011	Zn-65	5.37E-04	8.44E-04	2.99E-03	U
AP	01	290255001	9/21/2011	Zr-95	2.60E-05	1.38E-03	4.57E-03	U
AP	01	287586001	10/5/2011	BETA	2.37E-02	1.26E-03	6.42E-04	
AP	01	288558001	10/19/2011	BETA	3.30E-02	1.48E-03	5.68E-04	
AP	01	289564001	11/2/2011	BETA	2.06E-02	1.18E-03	9.56E-04	
AP	01	290711001	11/16/2011	BETA	4.10E-02	1.68E-03	9.63E-04	

Seabrook REMP Summary of 2011 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
AP	01	291292001	11/30/2011	BETA	3.57E-02	1.60E-03	6.66E-04	
AP	01	292257001	12/14/2011	BETA	3.69E-02	1.63E-03	7.20E-04	
AP	01	293075001	12/28/2011	BETA	3.43E-02	1.58E-03	7.27E-04	
AP	01	295624001	12/28/2011	Ac-228	-4.14E-04	4.11E-04	1.22E-03	U
AP	01	295624001	12/28/2011	Ag-108m	8.17E-05	7.23E-05	2.47E-04	U
AP	01	295624001	12/28/2011	Ag-110m	1.97E-04	1.17E-04	4.15E-04	U
AP	01	295624001	12/28/2011	Ba-140	1.18E-03	2.66E-02	8.70E-02	U
AP	01	295624001	12/28/2011	Be-7	9.79E-02	8.52E-03	7.26E-03	
AP	01	295624001	12/28/2011	Ce-141	5.71E-04	6.25E-04	2.04E-03	U
AP	01	295624001	12/28/2011	Ce-144	-5.38E-06	4.20E-04	1.35E-03	U
AP	01	295624001	12/28/2011	Co-57	-5.29E-05	5.93E-05	1.79E-04	U
AP	01	295624001	12/28/2011	Co-58	1.36E-04	2.45E-04	8.38E-04	U
AP	01	295624001	12/28/2011	Co-60	2.02E-04	1.35E-04	4.98E-04	U
AP	01	295624001	12/28/2011	Cr-51	-4.98E-03	6.57E-03	2.03E-02	U
AP	01	295624001	12/28/2011	Cs-134	-4.41E-06	1.14E-04	3.72E-04	U
AP	01	295624001	12/28/2011	Cs-137	-1.07E-04	1.06E-04	3.10E-04	U
AP	01	295624001	12/28/2011	Fe-59	1.39E-04	8.32E-04	2.84E-03	U
AP	01	295624001	12/28/2011	I-131	-8.83E-02	2.17E-01	0.00E+00	U
AP	01	295624001	12/28/2011	La-140	1.18E-03	2.66E-02	8.70E-02	U
AP	01	295624001	12/28/2011	Mn-54	-1.71E-04	1.06E-04	2.37E-04	U
AP	01	295624001	12/28/2011	Nb-95	2.50E-04	2.65E-04	9.25E-04	U
AP	01	295624001	12/28/2011	Ru-103	2.05E-04	3.90E-04	1.30E-03	U
AP	01	295624001	12/28/2011	Ru-106	2.75E-04	8.42E-04	2.89E-03	U
AP	01	295624001	12/28/2011	Sb-124	-2.87E-04	4.59E-04	1.16E-03	U
AP	01	295624001	12/28/2011	Sb-125	-5.52E-04	2.93E-04	7.14E-04	U
AP	01	295624001	12/28/2011	Se-75	1.24E-04	1.60E-04	5.46E-04	U
AP	01	295624001	12/28/2011	Th-228	1.73E-04	2.55E-04	5.46E-04	U
AP	01	295624001	12/28/2011	Zn-65	-2.42E-04	2.58E-04	7.30E-04	U
AP	01	295624001	12/28/2011	Zr-95	8.69E-05	3.70E-04	1.25E-03	U
AP	02	270289002	1/11/2011	BETA	4.13E-02	1.55E-03	6.72E-04	
AP	02	271270002	1/26/2011	BETA	2.46E-02	1.11E-03	5.35E-04	
AP	02	272216002	2/9/2011	BETA	3.84E-02	1.44E-03	6.01E-04	
AP	02	272943002	2/23/2011	BETA	3.54E-02	1.41E-03	9.00E-04	
AP	02	273849002	3/9/2011	BETA	3.09E-02	1.29E-03	6.19E-04	
AP	02	274665002	3/23/2011	BETA	2.39E-02	1.14E-03	7.02E-04	
AP	02	274937002	3/30/2011	BETA	4.54E-02	2.25E-03	1.41E-03	
AP	02	277523002	3/30/2011	Ac-228	-8.89E-06	4.43E-04	1.48E-03	U
AP	02	277523002	3/30/2011	Ag-108m	1.51E-04	8.53E-05	2.82E-04	U
AP	02	277523002	3/30/2011	Ag-110m	-2.36E-04	1.31E-04	3.26E-04	U
AP	02	277523002	3/30/2011	Ba-140	-3.79E-03	2.01E-02	6.39E-02	U
AP	02	277523002	3/30/2011	Be-7	9.68E-02	8.16E-03	7.65E-03	
AP	02	277523002	3/30/2011	Ce-141	8.72E-04	7.00E-04	2.27E-03	U
AP	02	277523002	3/30/2011	Ce-144	3.02E-04	5.17E-04	1.69E-03	U
AP	02	277523002	3/30/2011	Co-57	-9.70E-06	6.54E-05	2.10E-04	U
AP	02	277523002	3/30/2011	Co-58	-4.11E-05	2.18E-04	7.22E-04	U
AP	02	277523002	3/30/2011	Co-60	-1.14E-05	1.20E-04	3.90E-04	U
AP	02	277523002	3/30/2011	Cr-51	-2.03E-03	7.21E-03	2.37E-02	U
AP	02	277523002	3/30/2011	Cs-134	2.18E-04	1.31E-04	4.56E-04	U
AP	02	277523002	3/30/2011	Cs-137	1.82E-04	1.13E-04	3.78E-04	U
AP	02	277523002	3/30/2011	Fe-59	-1.34E-04	8.10E-04	2.64E-03	U
AP	02	277523002	3/30/2011	I-131	-5.27E-03	2.46E-01	0.00E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
AP	02	277523002	3/30/2011	La-140	-3.79E-03	2.01E-02	6.39E-02	U
AP	02	277523002	3/30/2011	Mn-54	-3.66E-04	1.39E-04	2.54E-04	U
AP	02	277523002	3/30/2011	Nb-95	3.40E-04	2.61E-04	8.84E-04	U
AP	02	277523002	3/30/2011	Ru-103	-1.46E-04	3.65E-04	1.16E-03	U
AP	02	277523002	3/30/2011	Ru-106	7.36E-04	1.01E-03	3.40E-03	U
AP	02	277523002	3/30/2011	Sb-124	1.92E-03	8.69E-04	3.10E-03	U
AP	02	277523002	3/30/2011	Sb-125	-5.85E-05	2.39E-04	7.76E-04	U
AP	02	277523002	3/30/2011	Se-75	-1.23E-04	1.73E-04	5.56E-04	U
AP	02	277523002	3/30/2011	Th-228	6.12E-04	3.10E-04	5.50E-04	UI
AP	02	277523002	3/30/2011	Zn-65	-2.22E-04	2.95E-04	8.97E-04	U
AP	02	277523002	3/30/2011	Zr-95	-2.03E-04	4.48E-04	1.38E-03	U
AP	02	277843001	4/6/2011	Ac-228	-3.14E-03	4.80E-03	1.51E-02	U
AP	02	277843001	4/6/2011	Ag-108m	-7.39E-04	8.39E-04	2.57E-03	U
AP	02	277843001	4/6/2011	Ag-110m	7.54E-04	1.20E-03	3.53E-03	U
AP	02	277843001	4/6/2011	Ba-140	1.23E-02	1.40E-02	4.97E-02	U
AP	02	277843001	4/6/2011	Be-7	1.07E-01	2.57E-02	4.30E-02	
AP	02	277843001	4/6/2011	Ce-141	4.64E-03	2.72E-03	8.64E-03	U
AP	02	277843001	4/6/2011	Ce-144	-7.93E-04	4.70E-03	1.51E-02	U
AP	02	277843001	4/6/2011	Co-57	1.60E-03	6.98E-04	2.11E-03	U
AP	02	277843001	4/6/2011	Co-58	-1.67E-03	1.48E-03	4.34E-03	U
AP	02	277843001	4/6/2011	Co-60	-1.98E-03	1.57E-03	4.31E-03	U
AP	02	277843001	4/6/2011	Cr-51	3.75E-02	2.26E-02	7.44E-02	U
AP	02	277843001	4/6/2011	Cs-134	1.19E-02	2.67E-03	5.01E-03	M
AP	02	277843001	4/6/2011	Cs-137	1.56E-02	2.15E-03	3.51E-03	M
AP	02	277843001	4/6/2011	Fe-59	-1.49E-03	3.97E-03	1.27E-02	U
AP	02	277843001	4/6/2011	I-131	4.16E-02	3.98E-02	1.35E-01	U
AP	02	277843001	4/6/2011	La-140	1.23E-02	1.40E-02	4.97E-02	U
AP	02	277843001	4/6/2011	Mn-54	-2.07E-04	1.11E-03	3.68E-03	U
AP	02	277843001	4/6/2011	Nb-95	-1.42E-03	1.48E-03	4.20E-03	U
AP	02	277843001	4/6/2011	Ru-103	-2.18E-03	1.90E-03	5.53E-03	U
AP	02	277843001	4/6/2011	Ru-106	-1.35E-02	1.07E-02	3.03E-02	U
AP	02	277843001	4/6/2011	Sb-124	-8.13E-03	5.88E-03	1.49E-02	U
AP	02	277843001	4/6/2011	Sb-125	5.24E-03	3.02E-03	9.91E-03	U
AP	02	277843001	4/6/2011	Se-75	2.24E-03	1.35E-03	4.47E-03	U
AP	02	277843001	4/6/2011	Th-228	2.42E-03	1.64E-03	4.94E-03	U
AP	02	277843001	4/6/2011	Zn-65	5.13E-04	3.46E-03	1.16E-02	U
AP	02	277843001	4/6/2011	Zr-95	2.08E-03	3.00E-03	1.00E-02	U
AP	02	275574002	4/6/2011	BETA	1.08E-01	3.52E-03	1.67E-03	
AP	02	276545002	4/20/2011	BETA	4.60E-02	1.64E-03	8.93E-04	
AP	02	277483002	5/3/2011	BETA	2.10E-02	1.16E-03	8.74E-04	
AP	02	278643002	5/18/2011	BETA	1.22E-02	8.11E-04	6.68E-04	
AP	02	279338002	6/1/2011	BETA	2.04E-02	9.98E-04	7.21E-04	
AP	02	280318002	6/15/2011	BETA	2.02E-02	9.70E-04	5.90E-04	
AP	02	281129002	6/29/2011	BETA	1.53E-02	8.49E-04	5.88E-04	
AP	02	284171002	6/29/2011	Ac-228	-2.61E-04	7.12E-04	2.42E-03	U
AP	02	284171002	6/29/2011	Ag-108m	-3.74E-05	1.18E-04	3.73E-04	U
AP	02	284171002	6/29/2011	Ag-110m	3.05E-04	2.17E-04	6.51E-04	U
AP	02	284171002	6/29/2011	Ba-140	-1.11E-02	5.69E-02	0.00E+00	U
AP	02	284171002	6/29/2011	Be-7	1.01E-01	1.10E-02	1.42E-02	
AP	02	284171002	6/29/2011	Ce-141	1.37E-03	1.63E-03	5.43E-03	U
AP	02	284171002	6/29/2011	Ce-144	1.04E-03	9.27E-04	3.14E-03	U

Seabrook REMP Summary of 2011 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
AP	02	284171002	6/29/2011	Co-57	-4.90E-05	1.15E-04	3.55E-04	U
AP	02	284171002	6/29/2011	Co-58	4.99E-06	4.37E-04	1.45E-03	U
AP	02	284171002	6/29/2011	Co-60	-3.62E-04	2.26E-04	6.78E-04	U
AP	02	284171002	6/29/2011	Cr-51	-1.33E-02	1.53E-02	4.78E-02	U
AP	02	284171002	6/29/2011	Cs-134	1.38E-03	4.37E-04	1.02E-03	UI
AP	02	284171002	6/29/2011	Cs-137	1.22E-03	2.53E-04	4.99E-04	M
AP	02	284171002	6/29/2011	Fe-59	-3.10E-04	1.43E-03	4.67E-03	U
AP	02	284171002	6/29/2011	I-131	-2.29E-01	1.09E+00	0.00E+00	U
AP	02	284171002	6/29/2011	La-140	-1.11E-02	5.69E-02	0.00E+00	U
AP	02	284171002	6/29/2011	Mn-54	-4.73E-05	2.11E-04	6.87E-04	U
AP	02	284171002	6/29/2011	Nb-95	5.23E-05	4.10E-04	1.38E-03	U
AP	02	284171002	6/29/2011	Ru-103	5.35E-04	8.15E-04	2.78E-03	U
AP	02	284171002	6/29/2011	Ru-106	-1.24E-03	1.79E-03	5.57E-03	U
AP	02	284171002	6/29/2011	Sb-124	1.23E-03	1.14E-03	4.07E-03	U
AP	02	284171002	6/29/2011	Sb-125	-4.77E-04	4.27E-04	1.25E-03	U
AP	02	284171002	6/29/2011	Se-75	-5.47E-04	3.40E-04	9.22E-04	U
AP	02	284171002	6/29/2011	Th-228	1.07E-04	2.75E-04	8.87E-04	U
AP	02	284171002	6/29/2011	Zn-65	6.77E-04	4.86E-04	1.69E-03	U
AP	02	284171002	6/29/2011	Zr-95	-7.74E-04	7.85E-04	2.37E-03	U
AP	02	282335002	7/13/2011	BETA	2.88E-02	1.17E-03	6.01E-04	
AP	02	283010002	7/27/2011	BETA	3.59E-02	1.51E-03	9.54E-04	
AP	02	284042002	8/10/2011	BETA	2.53E-02	1.28E-03	9.63E-04	
AP	02	284899002	8/24/2011	BETA	3.54E-02	1.50E-03	8.84E-04	
AP	02	285758002	9/7/2011	BETA	2.91E-02	1.33E-03	7.16E-04	
AP	02	286566002	9/21/2011	BETA	2.88E-02	1.35E-03	7.41E-04	
AP	02	290255002	9/21/2011	Ac-228	-8.44E-04	1.17E-03	3.81E-03	U
AP	02	290255002	9/21/2011	Ag-108m	-1.83E-04	2.07E-04	6.43E-04	U
AP	02	290255002	9/21/2011	Ag-110m	1.90E-04	3.10E-04	1.04E-03	U
AP	02	290255002	9/21/2011	Ba-140	7.46E-02	1.16E-01	0.00E+00	UI
AP	02	290255002	9/21/2011	Be-7	1.42E-01	1.67E-02	2.65E-02	
AP	02	290255002	9/21/2011	Ce-141	3.47E-03	2.42E-03	8.09E-03	U
AP	02	290255002	9/21/2011	Ce-144	1.38E-03	1.19E-03	4.02E-03	U
AP	02	290255002	9/21/2011	Co-57	1.19E-04	1.40E-04	4.53E-04	U
AP	02	290255002	9/21/2011	Co-58	-1.99E-04	7.44E-04	2.43E-03	U
AP	02	290255002	9/21/2011	Co-60	3.32E-04	3.29E-04	1.16E-03	U
AP	02	290255002	9/21/2011	Cr-51	-6.72E-02	3.05E-02	7.20E-02	U
AP	02	290255002	9/21/2011	Cs-134	8.43E-05	3.29E-04	1.12E-03	U
AP	02	290255002	9/21/2011	Cs-137	-3.26E-04	2.97E-04	8.56E-04	U
AP	02	290255002	9/21/2011	Fe-59	3.92E-03	2.69E-03	9.40E-03	U
AP	02	290255002	9/21/2011	I-131	-6.96E-01	3.08E+00	0.00E+00	U
AP	02	290255002	9/21/2011	La-140	7.46E-02	1.16E-01	0.00E+00	UI
AP	02	290255002	9/21/2011	Mn-54	5.80E-04	3.72E-04	1.27E-03	U
AP	02	290255002	9/21/2011	Nb-95	-3.39E-04	6.55E-04	2.08E-03	U
AP	02	290255002	9/21/2011	Ru-103	1.55E-03	1.43E-03	4.88E-03	U
AP	02	290255002	9/21/2011	Ru-106	1.44E-03	2.67E-03	8.93E-03	U
AP	02	290255002	9/21/2011	Sb-124	3.02E-04	2.11E-03	6.96E-03	U
AP	02	290255002	9/21/2011	Sb-125	-7.17E-04	6.73E-04	2.05E-03	U
AP	02	290255002	9/21/2011	Se-75	-4.01E-04	4.67E-04	1.43E-03	U
AP	02	290255002	9/21/2011	Th-228	-1.04E-04	3.76E-04	1.24E-03	U
AP	02	290255002	9/21/2011	Zn-65	8.88E-05	7.40E-04	2.43E-03	U
AP	02	290255002	9/21/2011	Zr-95	6.20E-04	1.37E-03	4.71E-03	U

Seabrook REMP Summary of 2011 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
AP	02	287586002	10/5/2011	BETA	2.68E-02	1.36E-03	6.57E-04	
AP	02	288558002	10/19/2011	BETA	3.77E-02	1.64E-03	6.04E-04	
AP	02	289564002	11/2/2011	BETA	1.97E-02	1.21E-03	1.05E-03	
AP	02	290711002	11/16/2011	BETA	3.87E-02	1.70E-03	1.05E-03	
AP	02	291292002	11/30/2011	BETA	3.89E-02	1.76E-03	7.38E-04	
AP	02	292257002	12/14/2011	BETA	3.19E-02	1.59E-03	8.00E-04	
AP	02	293075002	12/28/2011	BETA	3.43E-02	1.66E-03	8.09E-04	
AP	02	295624002	12/28/2011	Ac-228	3.50E-04	4.65E-04	1.64E-03	U
AP	02	295624002	12/28/2011	Ag-108m	2.94E-05	8.52E-05	2.88E-04	U
AP	02	295624002	12/28/2011	Ag-110m	4.91E-05	1.24E-04	4.20E-04	U
AP	02	295624002	12/28/2011	Ba-140	-1.21E-02	2.18E-02	6.91E-02	U
AP	02	295624002	12/28/2011	Be-7	1.17E-01	8.77E-03	7.02E-03	
AP	02	295624002	12/28/2011	Ce-141	3.16E-04	8.18E-04	2.77E-03	U
AP	02	295624002	12/28/2011	Ce-144	-4.45E-04	5.94E-04	1.95E-03	U
AP	02	295624002	12/28/2011	Co-57	3.12E-05	8.07E-05	2.59E-04	U
AP	02	295624002	12/28/2011	Co-58	-3.77E-04	2.90E-04	8.45E-04	U
AP	02	295624002	12/28/2011	Co-60	-1.04E-05	1.15E-04	3.76E-04	U
AP	02	295624002	12/28/2011	Cr-51	-1.13E-02	8.10E-03	2.42E-02	U
AP	02	295624002	12/28/2011	Cs-134	-1.25E-04	1.50E-04	4.61E-04	U
AP	02	295624002	12/28/2011	Cs-137	-1.03E-05	1.03E-04	3.44E-04	U
AP	02	295624002	12/28/2011	Fe-59	1.38E-04	7.71E-04	2.55E-03	U
AP	02	295624002	12/28/2011	I-131	2.20E-01	2.70E-01	0.00E+00	UI
AP	02	295624002	12/28/2011	La-140	-1.21E-02	2.18E-02	6.91E-02	U
AP	02	295624002	12/28/2011	Mn-54	-7.51E-05	1.25E-04	3.92E-04	U
AP	02	295624002	12/28/2011	Nb-95	-1.50E-04	2.62E-04	8.29E-04	U
AP	02	295624002	12/28/2011	Ru-103	-1.09E-04	4.34E-04	1.42E-03	U
AP	02	295624002	12/28/2011	Ru-106	3.11E-04	1.20E-03	3.92E-03	U
AP	02	295624002	12/28/2011	Sb-124	3.33E-04	7.55E-04	2.56E-03	U
AP	02	295624002	12/28/2011	Sb-125	9.82E-06	2.66E-04	8.97E-04	U
AP	02	295624002	12/28/2011	Se-75	-3.93E-05	1.90E-04	6.34E-04	U
AP	02	295624002	12/28/2011	Th-228	6.14E-06	1.92E-04	6.23E-04	U
AP	02	295624002	12/28/2011	Zn-65	1.01E-04	3.14E-04	1.04E-03	U
AP	02	295624002	12/28/2011	Zr-95	-3.82E-04	4.93E-04	1.54E-03	U
AP	03	270289003	1/11/2011	BETA	3.53E-02	1.44E-03	8.38E-04	
AP	03	271270003	1/26/2011	BETA	2.51E-02	1.08E-03	5.26E-04	
AP	03	272216003	2/9/2011	BETA	4.07E-02	1.45E-03	8.06E-04	
AP	03	272943003	2/23/2011	BETA	3.32E-02	1.34E-03	7.29E-04	
AP	03	273849003	3/9/2011	BETA	3.04E-02	1.25E-03	7.87E-04	
AP	03	274665003	3/23/2011	BETA	2.32E-02	1.11E-03	7.78E-04	
AP	03	274937003	3/30/2011	BETA	4.90E-02	2.26E-03	1.06E-03	
AP	03	277523003	3/30/2011	Ac-228	1.41E-03	7.07E-04	1.97E-03	U
AP	03	277523003	3/30/2011	Ag-108m	-1.05E-05	8.83E-05	2.90E-04	U
AP	03	277523003	3/30/2011	Ag-110m	-4.21E-04	1.83E-04	3.89E-04	U
AP	03	277523003	3/30/2011	Ba-140	-1.63E-02	2.10E-02	6.06E-02	U
AP	03	277523003	3/30/2011	Be-7	1.06E-01	8.31E-03	8.10E-03	
AP	03	277523003	3/30/2011	Ce-141	-1.16E-04	8.17E-04	2.66E-03	U
AP	03	277523003	3/30/2011	Ce-144	2.77E-04	5.84E-04	1.94E-03	U
AP	03	277523003	3/30/2011	Co-57	-8.88E-05	7.84E-05	2.37E-04	U
AP	03	277523003	3/30/2011	Co-58	-1.12E-04	2.43E-04	7.76E-04	U
AP	03	277523003	3/30/2011	Co-60	1.54E-04	1.19E-04	4.41E-04	U
AP	03	277523003	3/30/2011	Cr-51	-6.01E-03	7.57E-03	2.40E-02	U

Seabrook REMP Summary of 2011 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
AP	03	277523003	3/30/2011	Cs-134	2.00E-04	1.49E-04	5.23E-04	U
AP	03	277523003	3/30/2011	Cs-137	1.12E-04	1.54E-04	4.96E-04	U
AP	03	277523003	3/30/2011	Fe-59	3.93E-04	9.29E-04	3.15E-03	U
AP	03	277523003	3/30/2011	I-131	-3.44E-01	3.05E-01	0.00E+00	U
AP	03	277523003	3/30/2011	La-140	-1.63E-02	2.10E-02	6.06E-02	U
AP	03	277523003	3/30/2011	Mn-54	-8.21E-05	1.33E-04	4.17E-04	U
AP	03	277523003	3/30/2011	Nb-95	2.04E-04	3.17E-04	1.10E-03	U
AP	03	277523003	3/30/2011	Ru-103	-6.55E-06	4.82E-04	1.58E-03	U
AP	03	277523003	3/30/2011	Ru-106	1.72E-03	1.30E-03	4.36E-03	U
AP	03	277523003	3/30/2011	Sb-124	3.02E-04	8.04E-04	2.78E-03	U
AP	03	277523003	3/30/2011	Sb-125	-2.15E-04	2.92E-04	9.07E-04	U
AP	03	277523003	3/30/2011	Se-75	3.37E-04	2.07E-04	7.00E-04	U
AP	03	277523003	3/30/2011	Th-228	5.02E-04	2.52E-04	5.22E-04	U
AP	03	277523003	3/30/2011	Zn-65	-6.80E-05	3.59E-04	9.80E-04	U
AP	03	277523003	3/30/2011	Zr-95	-2.86E-04	4.84E-04	1.53E-03	U
AP	03	275574003	4/6/2011	BETA	7.80E-02	2.96E-03	1.32E-03	
AP	03	276545003	4/20/2011	BETA	4.46E-02	1.55E-03	6.85E-04	
AP	03	277483003	5/3/2011	BETA	2.01E-02	1.09E-03	7.70E-04	
AP	03	278643003	5/18/2011	BETA	1.24E-02	7.48E-04	6.10E-04	
AP	03	279338003	6/1/2011	BETA	2.21E-02	9.53E-04	6.54E-04	
AP	03	280318003	6/15/2011	BETA	2.02E-02	9.65E-04	7.08E-04	
AP	03	281129003	6/29/2011	BETA	1.63E-02	8.75E-04	6.84E-04	
AP	03	284171003	6/29/2011	Ac-228	1.77E-03	1.06E-03	3.22E-03	U
AP	03	284171003	6/29/2011	Ag-108m	2.22E-04	1.87E-04	6.37E-04	U
AP	03	284171003	6/29/2011	Ag-110m	2.23E-05	3.13E-04	8.80E-04	U
AP	03	284171003	6/29/2011	Ba-140	-4.52E-02	6.88E-02	0.00E+00	U
AP	03	284171003	6/29/2011	Be-7	1.15E-01	1.22E-02	2.01E-02	
AP	03	284171003	6/29/2011	Ce-141	2.05E-03	1.85E-03	6.26E-03	U
AP	03	284171003	6/29/2011	Ce-144	1.93E-03	1.09E-03	3.54E-03	U
AP	03	284171003	6/29/2011	Co-57	-8.17E-05	1.26E-04	3.83E-04	U
AP	03	284171003	6/29/2011	Co-58	8.95E-04	5.89E-04	2.05E-03	U
AP	03	284171003	6/29/2011	Co-60	-6.88E-05	3.13E-04	1.02E-03	U
AP	03	284171003	6/29/2011	Cr-51	-1.32E-02	2.04E-02	6.30E-02	U
AP	03	284171003	6/29/2011	Cs-134	9.09E-04	4.42E-04	1.45E-03	U
AP	03	284171003	6/29/2011	Cs-137	1.61E-03	3.47E-04	8.33E-04	UI
AP	03	284171003	6/29/2011	Fe-59	-2.00E-03	2.48E-03	7.35E-03	U
AP	03	284171003	6/29/2011	I-131	9.53E-01	1.14E+00	0.00E+00	UI
AP	03	284171003	6/29/2011	La-140	-4.52E-02	6.88E-02	0.00E+00	U
AP	03	284171003	6/29/2011	Mn-54	5.12E-04	3.31E-04	1.13E-03	U
AP	03	284171003	6/29/2011	Nb-95	-4.02E-04	6.94E-04	2.18E-03	U
AP	03	284171003	6/29/2011	Ru-103	1.71E-03	1.28E-03	4.30E-03	U
AP	03	284171003	6/29/2011	Ru-106	2.81E-03	2.86E-03	9.56E-03	U
AP	03	284171003	6/29/2011	Sb-124	-3.15E-03	1.94E-03	4.29E-03	U
AP	03	284171003	6/29/2011	Sb-125	-1.07E-03	6.38E-04	1.77E-03	U
AP	03	284171003	6/29/2011	Se-75	6.16E-04	4.16E-04	1.36E-03	U
AP	03	284171003	6/29/2011	Th-228	2.05E-04	3.31E-04	1.13E-03	U
AP	03	284171003	6/29/2011	Zn-65	-1.19E-03	7.77E-04	2.00E-03	U
AP	03	284171003	6/29/2011	Zr-95	-2.69E-04	1.23E-03	4.06E-03	U
AP	03	282335003	7/13/2011	BETA	3.04E-02	1.21E-03	6.85E-04	
AP	03	283010003	7/27/2011	BETA	1.73E-02	1.04E-03	9.29E-04	
AP	03	284042003	8/10/2011	BETA	2.70E-02	1.31E-03	9.51E-04	

Seabrook REMP Summary of 2011 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
AP	03	284899003	8/24/2011	BETA	2.13E-02	1.15E-03	8.59E-04	
AP	03	285758003	9/7/2011	BETA	3.02E-02	1.34E-03	6.98E-04	
AP	03	286566003	9/21/2011	BETA	1.48E-02	9.81E-04	7.42E-04	
AP	03	290255003	9/21/2011	Ac-228	1.53E-04	6.05E-04	2.17E-03	U
AP	03	290255003	9/21/2011	Ag-108m	4.82E-05	1.09E-04	3.63E-04	U
AP	03	290255003	9/21/2011	Ag-110m	-7.25E-05	1.87E-04	5.92E-04	U
AP	03	290255003	9/21/2011	Ba-140	4.02E-02	3.43E-02	0.00E+00	UI
AP	03	290255003	9/21/2011	Be-7	1.01E-01	1.32E-02	1.52E-02	
AP	03	290255003	9/21/2011	Ce-141	2.09E-03	1.56E-03	4.90E-03	U
AP	03	290255003	9/21/2011	Ce-144	2.02E-04	6.52E-04	2.24E-03	U
AP	03	290255003	9/21/2011	Co-57	-2.45E-05	9.54E-05	3.19E-04	U
AP	03	290255003	9/21/2011	Co-58	2.16E-04	3.39E-04	1.19E-03	U
AP	03	290255003	9/21/2011	Co-60	-1.02E-04	1.72E-04	5.06E-04	U
AP	03	290255003	9/21/2011	Cr-51	-4.44E-03	1.39E-02	4.38E-02	U
AP	03	290255003	9/21/2011	Cs-134	-6.44E-06	2.22E-04	7.20E-04	U
AP	03	290255003	9/21/2011	Cs-137	-3.29E-05	1.57E-04	5.06E-04	U
AP	03	290255003	9/21/2011	Fe-59	5.17E-04	1.25E-03	4.41E-03	U
AP	03	290255003	9/21/2011	I-131	-1.18E+00	1.95E+00	0.00E+00	U
AP	03	290255003	9/21/2011	La-140	4.02E-02	3.42E-02	0.00E+00	UI
AP	03	290255003	9/21/2011	Mn-54	-1.53E-04	2.06E-04	6.04E-04	U
AP	03	290255003	9/21/2011	Nb-95	9.94E-04	5.13E-04	1.84E-03	U
AP	03	290255003	9/21/2011	Ru-103	-3.17E-04	7.18E-04	2.29E-03	U
AP	03	290255003	9/21/2011	Ru-106	9.36E-04	1.31E-03	4.63E-03	U
AP	03	290255003	9/21/2011	Sb-124	-3.86E-05	7.14E-04	2.26E-03	U
AP	03	290255003	9/21/2011	Sb-125	-1.64E-05	3.36E-04	1.07E-03	U
AP	03	290255003	9/21/2011	Se-75	-1.82E-04	2.99E-04	9.34E-04	U
AP	03	290255003	9/21/2011	Th-228	2.69E-04	2.33E-04	8.28E-04	U
AP	03	290255003	9/21/2011	Zn-65	2.76E-04	4.89E-04	1.71E-03	U
AP	03	290255003	9/21/2011	Zr-95	3.03E-04	6.76E-04	2.33E-03	U
AP	03	287586003	10/5/2011	BETA	2.47E-02	1.29E-03	6.38E-04	
AP	03	288558003	10/19/2011	BETA	4.09E-02	1.69E-03	5.88E-04	
AP	03	289564003	11/2/2011	BETA	1.77E-02	1.13E-03	1.01E-03	
AP	03	290711003	11/16/2011	BETA	4.07E-02	1.71E-03	1.01E-03	
AP	03	291292003	11/30/2011	BETA	4.16E-02	1.79E-03	7.09E-04	
AP	03	292257003	12/14/2011	BETA	3.41E-02	1.60E-03	7.60E-04	
AP	03	293075003	12/28/2011	BETA	3.57E-02	1.66E-03	7.73E-04	
AP	03	295624003	12/28/2011	Ac-228	-3.14E-05	3.92E-04	1.27E-03	U
AP	03	295624003	12/28/2011	Ag-108m	-4.13E-05	7.41E-05	2.33E-04	U
AP	03	295624003	12/28/2011	Ag-110m	4.79E-05	9.95E-05	3.43E-04	U
AP	03	295624003	12/28/2011	Ba-140	-3.26E-02	1.89E-02	4.41E-02	U
AP	03	295624003	12/28/2011	Be-7	1.10E-01	8.47E-03	7.10E-03	
AP	03	295624003	12/28/2011	Ce-141	-3.00E-04	6.85E-04	2.02E-03	U
AP	03	295624003	12/28/2011	Ce-144	-1.27E-04	4.55E-04	1.44E-03	U
AP	03	295624003	12/28/2011	Co-57	1.43E-05	5.53E-05	1.80E-04	U
AP	03	295624003	12/28/2011	Co-58	-6.93E-05	1.63E-04	5.19E-04	U
AP	03	295624003	12/28/2011	Co-60	-2.41E-05	9.90E-05	3.24E-04	U
AP	03	295624003	12/28/2011	Cr-51	-3.92E-03	5.54E-03	1.75E-02	U
AP	03	295624003	12/28/2011	Cs-134	1.18E-04	1.17E-04	4.07E-04	U
AP	03	295624003	12/28/2011	Cs-137	4.95E-06	7.83E-05	2.65E-04	U
AP	03	295624003	12/28/2011	Fe-59	-1.17E-03	7.52E-04	1.86E-03	U
AP	03	295624003	12/28/2011	I-131	-2.42E-01	2.36E-01	0.00E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
AP	03	295624003	12/28/2011	La-140	-3.26E-02	1.89E-02	4.41E-02	U
AP	03	295624003	12/28/2011	Mn-54	-1.46E-04	9.55E-05	2.50E-04	U
AP	03	295624003	12/28/2011	Nb-95	9.59E-05	2.03E-04	6.98E-04	U
AP	03	295624003	12/28/2011	Ru-103	-4.98E-04	3.76E-04	1.04E-03	U
AP	03	295624003	12/28/2011	Ru-106	1.72E-04	9.53E-04	3.08E-03	U
AP	03	295624003	12/28/2011	Sb-124	5.39E-04	4.30E-04	1.65E-03	U
AP	03	295624003	12/28/2011	Sb-125	-4.20E-04	2.40E-04	6.30E-04	U
AP	03	295624003	12/28/2011	Se-75	6.24E-06	1.45E-04	4.87E-04	U
AP	03	295624003	12/28/2011	Th-228	1.90E-04	1.49E-04	4.49E-04	U
AP	03	295624003	12/28/2011	Zn-65	-5.56E-04	2.67E-04	5.27E-04	U
AP	03	295624003	12/28/2011	Zr-95	2.87E-04	3.97E-04	1.37E-03	U
AP	04	270289004	1/11/2011	BETA	3.95E-02	1.52E-03	6.74E-04	
AP	04	271270004	1/26/2011	BETA	2.44E-02	1.12E-03	6.22E-04	
AP	04	272216004	2/9/2011	BETA	3.83E-02	1.47E-03	7.41E-04	
AP	04	272943004	2/23/2011	BETA	3.20E-02	1.33E-03	8.15E-04	
AP	04	273849004	3/9/2011	BETA	3.12E-02	1.33E-03	6.99E-04	
AP	04	274665004	3/23/2011	BETA	2.37E-02	1.15E-03	7.04E-04	
AP	04	274937004	3/30/2011	BETA	4.53E-02	2.25E-03	9.63E-04	
AP	04	277523004	3/30/2011	Ac-228	6.09E-05	4.06E-04	1.35E-03	U
AP	04	277523004	3/30/2011	Ag-108m	-6.14E-06	6.45E-05	2.07E-04	U
AP	04	277523004	3/30/2011	Ag-110m	-6.02E-05	1.11E-04	3.55E-04	U
AP	04	277523004	3/30/2011	Ba-140	1.93E-03	2.01E-02	6.76E-02	U
AP	04	277523004	3/30/2011	Be-7	1.09E-01	8.35E-03	6.73E-03	
AP	04	277523004	3/30/2011	Ce-141	-9.09E-04	6.85E-04	2.08E-03	U
AP	04	277523004	3/30/2011	Ce-144	-2.43E-04	4.25E-04	1.39E-03	U
AP	04	277523004	3/30/2011	Co-57	2.72E-05	5.60E-05	1.92E-04	U
AP	04	277523004	3/30/2011	Co-58	1.60E-04	2.03E-04	7.05E-04	U
AP	04	277523004	3/30/2011	Co-60	-8.47E-05	1.17E-04	3.39E-04	U
AP	04	277523004	3/30/2011	Cr-51	-6.46E-03	6.12E-03	1.82E-02	U
AP	04	277523004	3/30/2011	Cs-134	-2.09E-04	1.21E-04	3.01E-04	U
AP	04	277523004	3/30/2011	Cs-137	8.31E-05	9.80E-05	3.40E-04	U
AP	04	277523004	3/30/2011	Fe-59	-7.87E-05	6.72E-04	2.16E-03	U
AP	04	277523004	3/30/2011	I-131	7.78E-02	2.39E-01	0.00E+00	UI
AP	04	277523004	3/30/2011	La-140	1.93E-03	2.01E-02	6.76E-02	U
AP	04	277523004	3/30/2011	Mn-54	-1.25E-04	1.17E-04	3.41E-04	U
AP	04	277523004	3/30/2011	Nb-95	-1.48E-04	2.50E-04	7.86E-04	U
AP	04	277523004	3/30/2011	Ru-103	7.22E-05	4.13E-04	1.34E-03	U
AP	04	277523004	3/30/2011	Ru-106	-3.77E-04	9.29E-04	3.03E-03	U
AP	04	277523004	3/30/2011	Sb-124	1.07E-03	7.39E-04	2.70E-03	U
AP	04	277523004	3/30/2011	Sb-125	1.58E-04	2.13E-04	7.13E-04	U
AP	04	277523004	3/30/2011	Se-75	3.59E-04	1.91E-04	6.16E-04	U
AP	04	277523004	3/30/2011	Th-228	6.81E-04	2.68E-04	5.42E-04	UI
AP	04	277523004	3/30/2011	Zn-65	-1.73E-04	2.85E-04	8.65E-04	U
AP	04	277523004	3/30/2011	Zr-95	8.58E-05	4.17E-04	1.41E-03	U
AP	04	275574004	4/6/2011	BETA	7.91E-02	3.04E-03	1.22E-03	
AP	04	276545004	4/20/2011	BETA	4.39E-02	1.59E-03	8.66E-04	
AP	04	277483004	5/3/2011	BETA	2.12E-02	1.16E-03	9.08E-04	
AP	04	278643004	5/18/2011	BETA	1.36E-02	8.79E-04	7.07E-04	
AP	04	279338004	6/1/2011	BETA	2.29E-02	1.12E-03	5.37E-04	
AP	04	280318004	6/15/2011	BETA	1.73E-02	9.04E-04	6.88E-04	
AP	04	281129004	6/29/2011	BETA	1.83E-02	9.44E-04	6.61E-04	

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
AP	04	284171004	6/29/2011	Ac-228	-2.95E-03	7.43E-03	2.51E-02	U
AP	04	284171004	6/29/2011	Ag-108m	-2.82E-03	1.72E-03	4.58E-03	U
AP	04	284171004	6/29/2011	Ag-110m	3.14E-03	2.61E-03	8.19E-03	U
AP	04	284171004	6/29/2011	Ba-140	1.35E+00	6.94E-01	0.00E+00	UI
AP	04	284171004	6/29/2011	Be-7	1.16E+00	1.48E-01	2.00E-01	
AP	04	284171004	6/29/2011	Ce-141	2.22E-02	1.99E-02	6.62E-02	U
AP	04	284171004	6/29/2011	Ce-144	1.14E-02	1.00E-02	3.37E-02	U
AP	04	284171004	6/29/2011	Co-57	8.29E-04	1.31E-03	4.41E-03	U
AP	04	284171004	6/29/2011	Co-58	-5.85E-03	4.59E-03	1.24E-02	U
AP	04	284171004	6/29/2011	Co-60	1.73E-03	2.33E-03	8.24E-03	U
AP	04	284171004	6/29/2011	Cr-51	-1.24E-01	1.75E-01	5.55E-01	U
AP	04	284171004	6/29/2011	Cs-134	5.14E-03	2.92E-03	1.03E-02	U
AP	04	284171004	6/29/2011	Cs-137	1.43E-02	2.71E-03	7.42E-03	M
AP	04	284171004	6/29/2011	Fe-59	-2.65E-03	1.75E-02	5.64E-02	U
AP	04	284171004	6/29/2011	I-131	8.54E+00	1.30E+01	0.00E+00	UI
AP	04	284171004	6/29/2011	La-140	1.35E+00	6.91E-01	0.00E+00	UI
AP	04	284171004	6/29/2011	Mn-54	-2.08E-03	1.89E-03	5.22E-03	U
AP	04	284171004	6/29/2011	Nb-95	-5.06E-03	6.05E-03	1.74E-02	U
AP	04	284171004	6/29/2011	Ru-103	-5.36E-04	8.84E-03	2.90E-02	U
AP	04	284171004	6/29/2011	Ru-106	-8.24E-04	1.91E-02	6.18E-02	U
AP	04	284171004	6/29/2011	Sb-124	-2.87E-02	1.84E-02	4.12E-02	U
AP	04	284171004	6/29/2011	Sb-125	-3.48E-03	4.98E-03	1.55E-02	U
AP	04	284171004	6/29/2011	Se-75	1.86E-03	3.66E-03	1.20E-02	U
AP	04	284171004	6/29/2011	Th-228	3.07E-04	5.17E-03	1.21E-02	U
AP	04	284171004	6/29/2011	Zn-65	7.69E-04	6.06E-03	2.02E-02	U
AP	04	284171004	6/29/2011	Zr-95	-1.73E-02	1.08E-02	2.57E-02	U
AP	04	282335004	7/13/2011	BETA	3.12E-02	1.23E-03	8.94E-04	
AP	04	283010004	7/27/2011	BETA	3.44E-02	1.44E-03	9.11E-04	
AP	04	284042004	8/10/2011	BETA	2.51E-02	1.25E-03	9.32E-04	
AP	04	284899004	8/24/2011	BETA	3.19E-02	1.39E-03	8.46E-04	
AP	04	285758004	9/7/2011	BETA	3.68E-02	1.51E-03	7.29E-04	
AP	04	286566004	9/21/2011	BETA	2.98E-02	1.39E-03	7.59E-04	
AP	04	290255004	9/21/2011	Ac-228	1.64E-03	7.10E-04	2.45E-03	U
AP	04	290255004	9/21/2011	Ag-108m	8.91E-05	1.49E-04	5.06E-04	U
AP	04	290255004	9/21/2011	Ag-110m	-3.25E-04	1.97E-04	4.84E-04	U
AP	04	290255004	9/21/2011	Ba-140	3.47E-03	8.81E-02	0.00E+00	UI
AP	04	290255004	9/21/2011	Be-7	1.39E-01	1.29E-02	1.52E-02	
AP	04	290255004	9/21/2011	Ce-141	-1.67E-03	1.93E-03	5.95E-03	U
AP	04	290255004	9/21/2011	Ce-144	1.73E-04	7.98E-04	2.62E-03	U
AP	04	290255004	9/21/2011	Co-57	1.40E-04	1.17E-04	3.87E-04	U
AP	04	290255004	9/21/2011	Co-58	-8.58E-04	5.14E-04	1.25E-03	U
AP	04	290255004	9/21/2011	Co-60	-1.32E-04	2.10E-04	6.39E-04	U
AP	04	290255004	9/21/2011	Cr-51	3.13E-03	1.73E-02	5.83E-02	U
AP	04	290255004	9/21/2011	Cs-134	-1.81E-04	2.16E-04	6.32E-04	U
AP	04	290255004	9/21/2011	Cs-137	-3.77E-05	1.21E-04	3.82E-04	U
AP	04	290255004	9/21/2011	Fe-59	-5.46E-04	1.27E-03	3.78E-03	U
AP	04	290255004	9/21/2011	I-131	-1.10E-01	1.82E+00	0.00E+00	U
AP	04	290255004	9/21/2011	La-140	3.47E-03	8.81E-02	0.00E+00	UI
AP	04	290255004	9/21/2011	Mn-54	2.73E-04	2.13E-04	7.46E-04	U
AP	04	290255004	9/21/2011	Nb-95	7.08E-04	4.90E-04	1.75E-03	U
AP	04	290255004	9/21/2011	Ru-103	-1.36E-03	7.78E-04	1.85E-03	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
AP	04	290255004	9/21/2011	Ru-106	7.85E-04	1.48E-03	5.08E-03	U
AP	04	290255004	9/21/2011	Sb-124	9.33E-04	1.30E-03	4.76E-03	U
AP	04	290255004	9/21/2011	Sb-125	-1.45E-04	4.65E-04	1.51E-03	U
AP	04	290255004	9/21/2011	Se-75	-1.17E-04	3.41E-04	1.12E-03	U
AP	04	290255004	9/21/2011	Th-228	6.50E-04	2.94E-04	9.24E-04	U
AP	04	290255004	9/21/2011	Zn-65	2.68E-04	5.32E-04	1.81E-03	U
AP	04	290255004	9/21/2011	Zr-95	9.65E-05	6.41E-04	2.14E-03	U
AP	04	287586004	10/5/2011	BETA	2.99E-02	1.56E-03	7.76E-04	
AP	04	288558004	10/19/2011	BETA	3.87E-02	1.64E-03	5.84E-04	
AP	04	289564004	11/2/2011	BETA	1.86E-02	1.28E-03	1.22E-03	
AP	04	290711004	11/16/2011	BETA	4.12E-02	1.72E-03	1.00E-03	
AP	04	291292004	11/30/2011	BETA	3.55E-02	1.64E-03	7.02E-04	
AP	04	292257004	12/14/2011	BETA	3.63E-02	1.65E-03	7.58E-04	
AP	04	293075004	12/28/2011	BETA	3.41E-02	1.61E-03	7.63E-04	
AP	04	295624004	12/28/2011	Ac-228	-4.70E-04	4.69E-04	1.47E-03	U
AP	04	295624004	12/28/2011	Ag-108m	-1.12E-05	7.57E-05	2.49E-04	U
AP	04	295624004	12/28/2011	Ag-110m	6.73E-05	1.25E-04	4.18E-04	U
AP	04	295624004	12/28/2011	Ba-140	-1.07E-02	2.11E-02	6.58E-02	U
AP	04	295624004	12/28/2011	Be-7	1.24E-01	8.93E-03	7.03E-03	
AP	04	295624004	12/28/2011	Ce-141	-1.17E-03	8.34E-04	2.44E-03	U
AP	04	295624004	12/28/2011	Ce-144	-7.15E-04	5.78E-04	1.72E-03	U
AP	04	295624004	12/28/2011	Co-57	-8.29E-06	6.68E-05	2.19E-04	U
AP	04	295624004	12/28/2011	Co-58	-4.28E-04	2.64E-04	7.03E-04	U
AP	04	295624004	12/28/2011	Co-60	5.34E-05	1.09E-04	3.73E-04	U
AP	04	295624004	12/28/2011	Cr-51	-3.86E-03	7.06E-03	2.30E-02	U
AP	04	295624004	12/28/2011	Cs-134	3.92E-05	1.33E-04	4.56E-04	U
AP	04	295624004	12/28/2011	Cs-137	1.97E-05	1.12E-04	3.66E-04	U
AP	04	295624004	12/28/2011	Fe-59	-1.61E-04	8.11E-04	2.62E-03	U
AP	04	295624004	12/28/2011	I-131	1.10E-01	2.54E-01	0.00E+00	UI
AP	04	295624004	12/28/2011	La-140	-1.07E-02	2.11E-02	6.58E-02	U
AP	04	295624004	12/28/2011	Mn-54	-6.31E-05	1.36E-04	4.39E-04	U
AP	04	295624004	12/28/2011	Nb-95	7.79E-04	3.61E-04	1.16E-03	U
AP	04	295624004	12/28/2011	Ru-103	-8.75E-07	4.43E-04	1.46E-03	U
AP	04	295624004	12/28/2011	Ru-106	9.50E-04	1.07E-03	3.62E-03	U
AP	04	295624004	12/28/2011	Sb-124	4.28E-04	6.65E-04	2.38E-03	U
AP	04	295624004	12/28/2011	Sb-125	2.27E-06	2.29E-04	7.59E-04	U
AP	04	295624004	12/28/2011	Se-75	2.86E-04	2.20E-04	7.09E-04	U
AP	04	295624004	12/28/2011	Th-228	2.11E-06	2.14E-04	6.53E-04	U
AP	04	295624004	12/28/2011	Zn-65	-1.99E-04	3.03E-04	9.23E-04	U
AP	04	295624004	12/28/2011	Zr-95	1.93E-04	4.53E-04	1.51E-03	U
AP	05	270289005	1/11/2011	BETA	3.85E-02	1.48E-03	5.47E-04	
AP	05	271270005	1/26/2011	BETA	2.50E-02	1.11E-03	5.48E-04	
AP	05	272216005	2/9/2011	BETA	3.67E-02	1.42E-03	8.60E-04	
AP	05	272943005	2/23/2011	BETA	3.42E-02	1.35E-03	6.12E-04	
AP	05	273849005	3/9/2011	BETA	3.06E-02	1.32E-03	9.17E-04	
AP	05	274665005	3/23/2011	BETA	2.36E-02	1.14E-03	5.69E-04	
AP	05	274937005	3/30/2011	BETA	4.34E-02	2.25E-03	1.82E-03	
AP	05	277523005	3/30/2011	Ac-228	-4.19E-04	4.07E-04	1.21E-03	U
AP	05	277523005	3/30/2011	Ag-108m	-1.26E-04	7.68E-05	2.10E-04	U
AP	05	277523005	3/30/2011	Ag-110m	-8.65E-05	1.13E-04	3.37E-04	U
AP	05	277523005	3/30/2011	Ba-140	1.39E-02	2.24E-02	7.81E-02	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
AP	05	277523005	3/30/2011	Be-7	1.03E-01	8.13E-03	7.49E-03	
AP	05	277523005	3/30/2011	Ce-141	6.48E-04	6.68E-04	2.25E-03	U
AP	05	277523005	3/30/2011	Ce-144	2.80E-04	4.63E-04	1.57E-03	U
AP	05	277523005	3/30/2011	Co-57	-7.11E-05	5.79E-05	1.76E-04	U
AP	05	277523005	3/30/2011	Co-58	-4.98E-04	2.82E-04	6.24E-04	U
AP	05	277523005	3/30/2011	Co-60	2.35E-04	1.26E-04	4.46E-04	U
AP	05	277523005	3/30/2011	Cr-51	2.95E-03	6.16E-03	2.13E-02	U
AP	05	277523005	3/30/2011	Cs-134	1.04E-04	1.18E-04	4.14E-04	U
AP	05	277523005	3/30/2011	Cs-137	6.30E-05	9.62E-05	3.22E-04	U
AP	05	277523005	3/30/2011	Fe-59	2.06E-04	7.06E-04	2.38E-03	U
AP	05	277523005	3/30/2011	I-131	2.18E-01	2.42E-01	0.00E+00	UI
AP	05	277523005	3/30/2011	La-140	1.39E-02	2.24E-02	7.81E-02	U
AP	05	277523005	3/30/2011	Mn-54	1.42E-05	1.16E-04	3.91E-04	U
AP	05	277523005	3/30/2011	Nb-95	-1.06E-04	2.33E-04	7.55E-04	U
AP	05	277523005	3/30/2011	Ru-103	-2.06E-04	3.55E-04	1.11E-03	U
AP	05	277523005	3/30/2011	Ru-106	-3.00E-04	9.77E-04	3.09E-03	U
AP	05	277523005	3/30/2011	Sb-124	-2.19E-04	5.32E-04	1.62E-03	U
AP	05	277523005	3/30/2011	Sb-125	-1.77E-04	2.28E-04	7.11E-04	U
AP	05	277523005	3/30/2011	Se-75	6.50E-05	1.61E-04	5.25E-04	U
AP	05	277523005	3/30/2011	Th-228	6.91E-05	1.68E-04	5.75E-04	U
AP	05	277523005	3/30/2011	Zn-65	4.00E-04	2.58E-04	8.64E-04	U
AP	05	277523005	3/30/2011	Zr-95	4.81E-04	4.23E-04	1.49E-03	U
AP	05	277843002	4/6/2011	Ac-228	-1.07E-02	6.99E-03	2.04E-02	U
AP	05	277843002	4/6/2011	Ag-108m	-5.60E-04	1.01E-03	3.17E-03	U
AP	05	277843002	4/6/2011	Ag-110m	6.13E-04	1.65E-03	4.67E-03	U
AP	05	277843002	4/6/2011	Ba-140	-1.20E-04	1.89E-02	6.21E-02	U
AP	05	277843002	4/6/2011	Be-7	1.66E-01	3.10E-02	4.70E-02	
AP	05	277843002	4/6/2011	Ce-141	8.94E-04	3.61E-03	1.22E-02	U
AP	05	277843002	4/6/2011	Ce-144	-1.33E-03	6.62E-03	2.23E-02	U
AP	05	277843002	4/6/2011	Co-57	7.13E-05	8.17E-04	2.60E-03	U
AP	05	277843002	4/6/2011	Co-58	-2.35E-03	2.00E-03	5.97E-03	U
AP	05	277843002	4/6/2011	Co-60	2.20E-04	1.63E-03	5.36E-03	U
AP	05	277843002	4/6/2011	Cr-51	-5.56E-02	2.65E-02	7.01E-02	U
AP	05	277843002	4/6/2011	Cs-134	7.95E-03	2.81E-03	7.70E-03	UI
AP	05	277843002	4/6/2011	Cs-137	1.19E-02	2.64E-03	4.18E-03	M
AP	05	277843002	4/6/2011	Fe-59	6.11E-04	4.88E-03	1.63E-02	U
AP	05	277843002	4/6/2011	I-131	7.67E-02	5.25E-02	1.70E-01	U
AP	05	277843002	4/6/2011	La-140	-1.20E-04	1.89E-02	6.21E-02	U
AP	05	277843002	4/6/2011	Mn-54	-2.02E-03	1.49E-03	4.32E-03	U
AP	05	277843002	4/6/2011	Nb-95	-1.27E-03	1.84E-03	5.85E-03	U
AP	05	277843002	4/6/2011	Ru-103	-1.73E-03	2.09E-03	6.59E-03	U
AP	05	277843002	4/6/2011	Ru-106	-2.73E-04	1.21E-02	3.97E-02	U
AP	05	277843002	4/6/2011	Sb-124	2.92E-03	4.97E-03	1.69E-02	U
AP	05	277843002	4/6/2011	Sb-125	1.67E-03	3.18E-03	1.04E-02	U
AP	05	277843002	4/6/2011	Se-75	-1.08E-03	1.78E-03	5.50E-03	U
AP	05	277843002	4/6/2011	Th-228	1.63E-03	2.53E-03	6.81E-03	U
AP	05	277843002	4/6/2011	Zn-65	-5.23E-03	3.79E-03	1.10E-02	U
AP	05	277843002	4/6/2011	Zr-95	-2.80E-03	3.49E-03	1.10E-02	U
AP	05	275574005	4/6/2011	BETA	8.76E-02	3.22E-03	1.04E-03	
AP	05	276545005	4/20/2011	BETA	4.99E-02	1.74E-03	8.18E-04	
AP	05	277483005	5/3/2011	BETA	2.40E-02	1.25E-03	7.90E-04	

Seabrook REMP Summary of 2011 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
AP	05	278643005	5/18/2011	BETA	1.55E-02	9.31E-04	5.12E-04	
AP	05	279338005	6/1/2011	BETA	2.53E-02	1.28E-03	9.78E-04	
AP	05	280318005	6/15/2011	BETA	1.61E-02	8.94E-04	5.62E-04	
AP	05	281129005	6/29/2011	BETA	1.63E-02	8.94E-04	6.60E-04	
AP	05	284171005	6/29/2011	Ac-228	9.66E-04	7.42E-04	2.79E-03	U
AP	05	284171005	6/29/2011	Ag-108m	3.84E-05	9.61E-05	3.26E-04	U
AP	05	284171005	6/29/2011	Ag-110m	3.74E-04	2.36E-04	7.69E-04	U
AP	05	284171005	6/29/2011	Ba-140	6.56E-02	7.88E-02	0.00E+00	UI
AP	05	284171005	6/29/2011	Be-7	8.00E-02	1.16E-02	1.33E-02	
AP	05	284171005	6/29/2011	Ce-141	3.75E-04	1.38E-03	4.56E-03	U
AP	05	284171005	6/29/2011	Ce-144	-6.90E-04	8.35E-04	2.54E-03	U
AP	05	284171005	6/29/2011	Co-57	1.47E-05	1.08E-04	3.57E-04	U
AP	05	284171005	6/29/2011	Co-58	1.81E-04	3.93E-04	1.36E-03	U
AP	05	284171005	6/29/2011	Co-60	1.52E-04	2.19E-04	7.78E-04	U
AP	05	284171005	6/29/2011	Cr-51	-5.05E-02	1.90E-02	3.75E-02	U
AP	05	284171005	6/29/2011	Cs-134	7.33E-04	4.24E-04	1.11E-03	U
AP	05	284171005	6/29/2011	Cs-137	1.30E-03	3.95E-04	6.34E-04	M
AP	05	284171005	6/29/2011	Fe-59	-9.60E-04	1.58E-03	5.06E-03	U
AP	05	284171005	6/29/2011	I-131	-1.78E-01	1.09E+00	0.00E+00	U
AP	05	284171005	6/29/2011	La-140	6.56E-02	7.87E-02	0.00E+00	UI
AP	05	284171005	6/29/2011	Mn-54	-2.27E-04	2.20E-04	6.22E-04	U
AP	05	284171005	6/29/2011	Nb-95	8.69E-05	4.65E-04	1.64E-03	U
AP	05	284171005	6/29/2011	Ru-103	-4.65E-04	9.81E-04	3.03E-03	U
AP	05	284171005	6/29/2011	Ru-106	-1.84E-03	1.86E-03	5.56E-03	U
AP	05	284171005	6/29/2011	Sb-124	6.39E-04	1.67E-03	5.67E-03	U
AP	05	284171005	6/29/2011	Sb-125	-8.13E-05	3.66E-04	1.17E-03	U
AP	05	284171005	6/29/2011	Se-75	5.79E-05	3.18E-04	1.08E-03	U
AP	05	284171005	6/29/2011	Th-228	2.62E-04	4.58E-04	9.85E-04	U
AP	05	284171005	6/29/2011	Zn-65	-8.06E-04	5.34E-04	1.33E-03	U
AP	05	284171005	6/29/2011	Zr-95	1.26E-03	6.97E-04	2.59E-03	U
AP	05	282335005	7/13/2011	BETA	2.94E-02	1.22E-03	5.89E-04	
AP	05	283010005	7/27/2011	BETA	3.52E-02	1.52E-03	9.84E-04	
AP	05	284042005	8/10/2011	BETA	2.82E-02	1.36E-03	9.82E-04	
AP	05	284899005	8/24/2011	BETA	2.75E-02	1.34E-03	9.03E-04	
AP	05	285758005	9/7/2011	BETA	3.51E-02	1.48E-03	7.33E-04	
AP	05	286566005	9/21/2011	BETA	2.91E-02	1.34E-03	7.29E-04	
AP	05	290255005	9/21/2011	Ac-228	-6.30E-04	5.70E-04	1.85E-03	U
AP	05	290255005	9/21/2011	Ag-108m	8.93E-05	1.03E-04	3.57E-04	U
AP	05	290255005	9/21/2011	Ag-110m	1.13E-04	1.70E-04	6.00E-04	U
AP	05	290255005	9/21/2011	Ba-140	2.43E-02	6.30E-02	0.00E+00	UI
AP	05	290255005	9/21/2011	Be-7	1.45E-01	1.32E-02	1.15E-02	
AP	05	290255005	9/21/2011	Ce-141	-2.57E-03	1.41E-03	3.57E-03	U
AP	05	290255005	9/21/2011	Ce-144	2.92E-04	7.00E-04	2.34E-03	U
AP	05	290255005	9/21/2011	Co-57	1.06E-06	8.91E-05	2.93E-04	U
AP	05	290255005	9/21/2011	Co-58	-1.66E-04	2.57E-04	7.52E-04	U
AP	05	290255005	9/21/2011	Co-60	-7.93E-05	1.30E-04	3.82E-04	U
AP	05	290255005	9/21/2011	Cr-51	-1.17E-02	1.54E-02	4.80E-02	U
AP	05	290255005	9/21/2011	Cs-134	-4.13E-05	1.57E-04	5.05E-04	U
AP	05	290255005	9/21/2011	Cs-137	-2.53E-04	1.45E-04	3.97E-04	U
AP	05	290255005	9/21/2011	Fe-59	1.99E-03	1.39E-03	5.09E-03	U
AP	05	290255005	9/21/2011	I-131	7.82E-01	1.68E+00	0.00E+00	UI

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
AP	05	290255005	9/21/2011	La-140	2.43E-02	6.30E-02	0.00E+00	UI
AP	05	290255005	9/21/2011	Mn-54	1.80E-04	1.63E-04	5.85E-04	U
AP	05	290255005	9/21/2011	Nb-95	7.51E-04	4.28E-04	1.55E-03	U
AP	05	290255005	9/21/2011	Ru-103	7.08E-04	7.90E-04	2.72E-03	U
AP	05	290255005	9/21/2011	Ru-106	1.76E-03	1.53E-03	5.27E-03	U
AP	05	290255005	9/21/2011	Sb-124	-9.66E-04	1.23E-03	3.35E-03	U
AP	05	290255005	9/21/2011	Sb-125	2.66E-04	3.58E-04	1.23E-03	U
AP	05	290255005	9/21/2011	Se-75	2.38E-04	2.54E-04	8.89E-04	U
AP	05	290255005	9/21/2011	Th-228	3.57E-04	2.36E-04	7.89E-04	U
AP	05	290255005	9/21/2011	Zn-65	-3.65E-04	3.97E-04	1.07E-03	U
AP	05	290255005	9/21/2011	Zr-95	5.03E-04	6.84E-04	2.44E-03	U
AP	05	287586005	10/5/2011	BETA	2.24E-02	1.21E-03	6.26E-04	
AP	05	288558005	10/19/2011	BETA	3.86E-02	1.59E-03	5.55E-04	
AP	05	289564005	11/2/2011	BETA	1.95E-02	1.14E-03	9.35E-04	
AP	05	290711005	11/16/2011	BETA	4.12E-02	1.66E-03	9.39E-04	
AP	05	291292005	11/30/2011	BETA	4.15E-02	1.72E-03	6.56E-04	
AP	05	292257005	12/14/2011	BETA	3.42E-02	1.55E-03	7.04E-04	
AP	05	293075005	12/28/2011	BETA	3.64E-02	1.60E-03	7.06E-04	
AP	05	295624005	12/28/2011	Ac-228	3.43E-04	6.77E-04	2.20E-03	U
AP	05	295624005	12/28/2011	Ag-108m	3.06E-05	1.14E-04	3.84E-04	U
AP	05	295624005	12/28/2011	Ag-110m	-4.04E-04	2.12E-04	5.46E-04	U
AP	05	295624005	12/28/2011	Ba-140	1.05E-03	2.85E-02	9.34E-02	U
AP	05	295624005	12/28/2011	Be-7	1.25E-01	1.02E-02	1.19E-02	
AP	05	295624005	12/28/2011	Ce-141	-2.91E-03	1.25E-03	3.10E-03	U
AP	05	295624005	12/28/2011	Ce-144	9.03E-04	6.83E-04	2.27E-03	U
AP	05	295624005	12/28/2011	Co-57	8.39E-07	8.80E-05	2.80E-04	U
AP	05	295624005	12/28/2011	Co-58	-6.14E-05	4.08E-04	1.35E-03	U
AP	05	295624005	12/28/2011	Co-60	-2.24E-04	1.80E-04	5.13E-04	U
AP	05	295624005	12/28/2011	Cr-51	4.76E-03	1.05E-02	3.41E-02	U
AP	05	295624005	12/28/2011	Cs-134	-2.05E-04	2.01E-04	6.15E-04	U
AP	05	295624005	12/28/2011	Cs-137	8.63E-05	1.66E-04	5.46E-04	U
AP	05	295624005	12/28/2011	Fe-59	3.44E-03	1.57E-03	5.01E-03	U
AP	05	295624005	12/28/2011	I-131	4.91E-01	3.67E-01	0.00E+00	UI
AP	05	295624005	12/28/2011	La-140	1.05E-03	2.85E-02	9.34E-02	U
AP	05	295624005	12/28/2011	Mn-54	-4.44E-04	2.28E-04	6.01E-04	U
AP	05	295624005	12/28/2011	Nb-95	-2.37E-05	3.91E-04	1.30E-03	U
AP	05	295624005	12/28/2011	Ru-103	-7.53E-04	6.48E-04	1.95E-03	U
AP	05	295624005	12/28/2011	Ru-106	-1.66E-04	1.59E-03	5.13E-03	U
AP	05	295624005	12/28/2011	Sb-124	4.90E-04	9.23E-04	3.14E-03	U
AP	05	295624005	12/28/2011	Sb-125	4.88E-04	4.05E-04	1.36E-03	U
AP	05	295624005	12/28/2011	Se-75	-2.42E-05	2.57E-04	8.37E-04	U
AP	05	295624005	12/28/2011	Th-228	3.54E-04	3.04E-04	7.66E-04	U
AP	05	295624005	12/28/2011	Zn-65	7.00E-04	5.14E-04	1.71E-03	U
AP	05	295624005	12/28/2011	Zr-95	9.39E-04	6.91E-04	2.35E-03	U
AP	07	270289006	1/11/2011	BETA	4.17E-02	1.57E-03	7.01E-04	
AP	07	271270006	1/26/2011	BETA	2.60E-02	1.14E-03	5.91E-04	
AP	07	272216006	2/9/2011	BETA	3.89E-02	1.48E-03	7.68E-04	
AP	07	272943006	2/23/2011	BETA	3.40E-02	1.35E-03	8.13E-04	
AP	07	273849006	3/9/2011	BETA	3.30E-02	1.36E-03	8.95E-04	
AP	07	274665006	3/23/2011	BETA	2.36E-02	1.17E-03	9.08E-04	
AP	07	274937006	3/30/2011	BETA	4.42E-02	2.22E-03	1.54E-03	

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
AP	07	277523006	3/30/2011	Ac-228	-1.18E-04	5.64E-04	1.85E-03	U
AP	07	277523006	3/30/2011	Ag-108m	-9.50E-05	8.64E-05	2.54E-04	U
AP	07	277523006	3/30/2011	Ag-110m	2.15E-05	1.23E-04	4.17E-04	U
AP	07	277523006	3/30/2011	Ba-140	1.44E-02	1.78E-02	6.36E-02	U
AP	07	277523006	3/30/2011	Be-7	1.12E-01	8.86E-03	8.00E-03	
AP	07	277523006	3/30/2011	Ce-141	-1.25E-03	9.27E-04	2.62E-03	U
AP	07	277523006	3/30/2011	Ce-144	5.52E-04	5.06E-04	1.67E-03	U
AP	07	277523006	3/30/2011	Co-57	-2.72E-05	6.32E-05	2.03E-04	U
AP	07	277523006	3/30/2011	Co-58	1.15E-04	2.34E-04	7.95E-04	U
AP	07	277523006	3/30/2011	Co-60	-7.34E-05	1.36E-04	4.21E-04	U
AP	07	277523006	3/30/2011	Cr-51	-1.07E-02	7.60E-03	2.22E-02	U
AP	07	277523006	3/30/2011	Cs-134	7.19E-05	1.30E-04	4.43E-04	U
AP	07	277523006	3/30/2011	Cs-137	-1.86E-04	1.20E-04	3.33E-04	U
AP	07	277523006	3/30/2011	Fe-59	1.16E-03	8.04E-04	2.90E-03	U
AP	07	277523006	3/30/2011	I-131	-1.11E-01	2.81E-01	0.00E+00	U
AP	07	277523006	3/30/2011	La-140	1.44E-02	1.78E-02	6.36E-02	U
AP	07	277523006	3/30/2011	Mn-54	3.18E-05	1.20E-04	4.00E-04	U
AP	07	277523006	3/30/2011	Nb-95	2.08E-04	2.68E-04	9.22E-04	U
AP	07	277523006	3/30/2011	Ru-103	3.18E-04	4.44E-04	1.48E-03	U
AP	07	277523006	3/30/2011	Ru-106	9.56E-04	1.05E-03	3.64E-03	U
AP	07	277523006	3/30/2011	Sb-124	-7.02E-04	8.62E-04	2.44E-03	U
AP	07	277523006	3/30/2011	Sb-125	-2.71E-04	2.61E-04	7.70E-04	U
AP	07	277523006	3/30/2011	Se-75	-1.86E-04	1.75E-04	5.43E-04	U
AP	07	277523006	3/30/2011	Th-228	-8.59E-05	1.70E-04	5.36E-04	U
AP	07	277523006	3/30/2011	Zn-65	3.19E-04	3.64E-04	1.27E-03	U
AP	07	277523006	3/30/2011	Zr-95	4.29E-04	5.12E-04	1.76E-03	U
AP	07	275574006	4/6/2011	BETA	7.17E-02	2.91E-03	1.92E-03	
AP	07	276545006	4/20/2011	BETA	4.29E-02	1.54E-03	7.04E-04	
AP	07	277483006	5/3/2011	BETA	2.12E-02	1.14E-03	6.38E-04	
AP	07	278643006	5/18/2011	BETA	1.33E-02	8.42E-04	5.32E-04	
AP	07	279338006	6/1/2011	BETA	2.34E-02	1.14E-03	7.46E-04	
AP	07	280318006	6/15/2011	BETA	1.85E-02	9.50E-04	8.24E-04	
AP	07	281129006	6/29/2011	BETA	1.81E-02	9.12E-04	5.75E-04	
AP	07	284171006	6/29/2011	Ac-228	-2.74E-03	1.14E-03	1.97E-03	U
AP	07	284171006	6/29/2011	Ag-108m	3.06E-05	1.90E-04	6.28E-04	U
AP	07	284171006	6/29/2011	Ag-110m	-2.93E-04	4.50E-04	1.20E-03	U
AP	07	284171006	6/29/2011	Ba-140	8.77E-03	8.19E-02	0.00E+00	UI
AP	07	284171006	6/29/2011	Be-7	1.13E-01	1.81E-02	2.30E-02	
AP	07	284171006	6/29/2011	Ce-141	-2.77E-03	2.17E-03	6.23E-03	U
AP	07	284171006	6/29/2011	Ce-144	2.62E-03	1.33E-03	4.19E-03	U
AP	07	284171006	6/29/2011	Co-57	3.61E-05	1.38E-04	4.58E-04	U
AP	07	284171006	6/29/2011	Co-58	3.00E-04	7.41E-04	2.53E-03	U
AP	07	284171006	6/29/2011	Co-60	-7.67E-05	3.89E-04	1.26E-03	U
AP	07	284171006	6/29/2011	Cr-51	3.24E-03	2.12E-02	7.11E-02	U
AP	07	284171006	6/29/2011	Cs-134	6.26E-04	4.54E-04	1.58E-03	U
AP	07	284171006	6/29/2011	Cs-137	7.16E-04	5.84E-04	1.05E-03	U
AP	07	284171006	6/29/2011	Fe-59	4.07E-03	2.57E-03	9.56E-03	U
AP	07	284171006	6/29/2011	I-131	-1.75E+00	1.85E+00	0.00E+00	U
AP	07	284171006	6/29/2011	La-140	8.77E-03	8.19E-02	0.00E+00	UI
AP	07	284171006	6/29/2011	Mn-54	6.70E-04	3.84E-04	1.35E-03	U
AP	07	284171006	6/29/2011	Nb-95	-1.03E-03	8.23E-04	2.23E-03	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
AP	07	284171006	6/29/2011	Ru-103	1.56E-03	1.35E-03	4.65E-03	U
AP	07	284171006	6/29/2011	Ru-106	-4.53E-03	2.90E-03	7.63E-03	U
AP	07	284171006	6/29/2011	Sb-124	-1.41E-03	1.71E-03	4.98E-03	U
AP	07	284171006	6/29/2011	Sb-125	-9.97E-04	7.48E-04	2.06E-03	U
AP	07	284171006	6/29/2011	Se-75	2.06E-04	4.06E-04	1.40E-03	U
AP	07	284171006	6/29/2011	Th-228	4.18E-05	3.78E-04	1.32E-03	U
AP	07	284171006	6/29/2011	Zn-65	4.23E-04	1.05E-03	3.64E-03	U
AP	07	284171006	6/29/2011	Zr-95	-1.38E-03	1.34E-03	3.76E-03	U
AP	07	282335006	7/13/2011	BETA	3.07E-02	1.23E-03	8.09E-04	
AP	07	283010006	7/27/2011	BETA	3.26E-02	1.42E-03	9.25E-04	
AP	07	284042006	8/10/2011	BETA	2.76E-02	1.31E-03	9.34E-04	
AP	07	284899006	8/24/2011	BETA	2.57E-02	1.25E-03	8.48E-04	
AP	07	285758006	9/7/2011	BETA	3.06E-02	1.35E-03	6.99E-04	
AP	07	286566006	9/21/2011	BETA	2.84E-02	1.33E-03	7.31E-04	
AP	07	290255006	9/21/2011	Ac-228	1.79E-04	4.44E-04	1.50E-03	U
AP	07	290255006	9/21/2011	Ag-108m	-1.24E-06	8.73E-05	2.93E-04	U
AP	07	290255006	9/21/2011	Ag-110m	1.78E-04	1.64E-04	5.73E-04	U
AP	07	290255006	9/21/2011	Ba-140	-2.64E-02	5.21E-02	0.00E+00	U
AP	07	290255006	9/21/2011	Be-7	1.11E-01	1.16E-02	1.18E-02	
AP	07	290255006	9/21/2011	Ce-141	-1.69E-03	1.37E-03	4.08E-03	U
AP	07	290255006	9/21/2011	Ce-144	-8.42E-05	5.92E-04	1.97E-03	U
AP	07	290255006	9/21/2011	Co-57	-5.11E-05	7.69E-05	2.46E-04	U
AP	07	290255006	9/21/2011	Co-58	8.72E-05	2.67E-04	9.06E-04	U
AP	07	290255006	9/21/2011	Co-60	-1.82E-04	1.49E-04	3.63E-04	U
AP	07	290255006	9/21/2011	Cr-51	-1.32E-03	1.38E-02	4.44E-02	U
AP	07	290255006	9/21/2011	Cs-134	-9.64E-05	1.77E-04	5.35E-04	U
AP	07	290255006	9/21/2011	Cs-137	9.84E-05	1.18E-04	4.14E-04	U
AP	07	290255006	9/21/2011	Fe-59	4.04E-04	9.29E-04	3.32E-03	U
AP	07	290255006	9/21/2011	I-131	9.08E-02	1.41E+00	0.00E+00	UI
AP	07	290255006	9/21/2011	La-140	-2.64E-02	5.21E-02	0.00E+00	U
AP	07	290255006	9/21/2011	Mn-54	-2.66E-04	1.60E-04	3.53E-04	U
AP	07	290255006	9/21/2011	Nb-95	-1.69E-04	3.94E-04	1.22E-03	U
AP	07	290255006	9/21/2011	Ru-103	-4.26E-04	5.83E-04	1.77E-03	U
AP	07	290255006	9/21/2011	Ru-106	6.24E-04	1.34E-03	4.56E-03	U
AP	07	290255006	9/21/2011	Sb-124	-1.57E-04	1.31E-03	4.16E-03	U
AP	07	290255006	9/21/2011	Sb-125	-3.46E-04	3.14E-04	9.11E-04	U
AP	07	290255006	9/21/2011	Se-75	1.54E-04	2.14E-04	7.24E-04	U
AP	07	290255006	9/21/2011	Th-228	6.66E-05	2.08E-04	7.03E-04	U
AP	07	290255006	9/21/2011	Zn-65	1.18E-04	3.20E-04	1.12E-03	U
AP	07	290255006	9/21/2011	Zr-95	-4.85E-04	7.31E-04	2.18E-03	U
AP	07	287586006	10/5/2011	BETA	2.14E-02	1.21E-03	6.47E-04	
AP	07	288558006	10/19/2011	BETA	2.91E-02	1.27E-03	4.74E-04	
AP	07	289564006	11/2/2011	BETA	2.05E-02	1.29E-03	1.14E-03	
AP	07	290711006	11/16/2011	BETA	3.74E-02	1.65E-03	1.02E-03	
AP	07	291292006	11/30/2011	BETA	3.90E-02	1.73E-03	7.12E-04	
AP	07	292257006	12/14/2011	BETA	3.45E-02	1.62E-03	7.64E-04	
AP	07	293075006	12/28/2011	BETA	3.43E-02	1.62E-03	7.70E-04	
AP	07	295624006	12/28/2011	Ac-228	-7.62E-05	3.66E-04	1.07E-03	U
AP	07	295624006	12/28/2011	Ag-108m	-8.01E-06	5.00E-05	1.67E-04	U
AP	07	295624006	12/28/2011	Ag-110m	1.96E-04	9.11E-05	3.08E-04	U
AP	07	295624006	12/28/2011	Ba-140	-1.16E-02	1.27E-02	3.35E-02	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
AP	07	295624006	12/28/2011	Be-7	1.09E-01	8.14E-03	5.29E-03	
AP	07	295624006	12/28/2011	Ce-141	4.90E-04	5.17E-04	1.75E-03	U
AP	07	295624006	12/28/2011	Ce-144	1.67E-04	3.96E-04	1.34E-03	U
AP	07	295624006	12/28/2011	Co-57	1.12E-04	5.62E-05	1.80E-04	U
AP	07	295624006	12/28/2011	Co-58	-6.57E-05	1.67E-04	5.19E-04	U
AP	07	295624006	12/28/2011	Co-60	-6.43E-05	8.80E-05	2.58E-04	U
AP	07	295624006	12/28/2011	Cr-51	1.19E-03	5.35E-03	1.75E-02	U
AP	07	295624006	12/28/2011	Cs-134	-2.38E-04	1.22E-04	2.83E-04	U
AP	07	295624006	12/28/2011	Cs-137	-3.22E-05	7.64E-05	2.42E-04	U
AP	07	295624006	12/28/2011	Fe-59	-6.67E-05	5.36E-04	1.76E-03	U
AP	07	295624006	12/28/2011	I-131	1.26E-01	1.90E-01	0.00E+00	UI
AP	07	295624006	12/28/2011	La-140	-1.16E-02	1.27E-02	3.35E-02	U
AP	07	295624006	12/28/2011	Mn-54	1.61E-04	1.01E-04	3.44E-04	U
AP	07	295624006	12/28/2011	Nb-95	2.29E-04	1.87E-04	6.46E-04	U
AP	07	295624006	12/28/2011	Ru-103	9.73E-05	2.89E-04	9.83E-04	U
AP	07	295624006	12/28/2011	Ru-106	2.01E-03	8.94E-04	2.94E-03	U
AP	07	295624006	12/28/2011	Sb-124	8.85E-04	5.30E-04	2.00E-03	U
AP	07	295624006	12/28/2011	Sb-125	3.21E-04	1.90E-04	6.49E-04	U
AP	07	295624006	12/28/2011	Se-75	-3.49E-05	1.37E-04	4.39E-04	U
AP	07	295624006	12/28/2011	Th-228	2.21E-04	1.84E-04	4.59E-04	U
AP	07	295624006	12/28/2011	Zn-65	4.22E-05	1.85E-04	6.29E-04	U
AP	07	295624006	12/28/2011	Zr-95	5.87E-04	3.46E-04	1.20E-03	U
AP	08	270289007	1/11/2011	BETA	4.05E-02	1.54E-03	6.26E-04	
AP	08	271270007	1/26/2011	BETA	2.64E-02	1.15E-03	6.03E-04	
AP	08	272216007	2/9/2011	BETA	3.70E-02	1.42E-03	8.18E-04	
AP	08	272943007	2/23/2011	BETA	3.30E-02	1.33E-03	6.58E-04	
AP	08	273849007	3/9/2011	BETA	3.08E-02	1.30E-03	7.46E-04	
AP	08	274665007	3/23/2011	BETA	2.31E-02	1.14E-03	7.72E-04	
AP	08	274937007	3/30/2011	BETA	4.78E-02	2.24E-03	1.48E-03	
AP	08	277523007	3/30/2011	Ac-228	8.78E-04	4.44E-04	1.51E-03	U
AP	08	277523007	3/30/2011	Ag-108m	-1.01E-04	7.63E-05	2.20E-04	U
AP	08	277523007	3/30/2011	Ag-110m	-2.85E-04	1.36E-04	3.14E-04	U
AP	08	277523007	3/30/2011	Ba-140	-2.66E-03	2.11E-02	6.75E-02	U
AP	08	277523007	3/30/2011	Be-7	1.04E-01	8.88E-03	7.15E-03	
AP	08	277523007	3/30/2011	Ce-141	1.54E-03	7.48E-04	2.31E-03	U
AP	08	277523007	3/30/2011	Ce-144	-1.35E-04	4.98E-04	1.59E-03	U
AP	08	277523007	3/30/2011	Co-57	-5.19E-05	6.53E-05	2.01E-04	U
AP	08	277523007	3/30/2011	Co-58	-2.81E-04	2.08E-04	5.82E-04	U
AP	08	277523007	3/30/2011	Co-60	9.87E-05	1.20E-04	4.19E-04	U
AP	08	277523007	3/30/2011	Cr-51	1.80E-02	7.29E-03	2.25E-02	U
AP	08	277523007	3/30/2011	Cs-134	6.31E-05	1.19E-04	4.14E-04	U
AP	08	277523007	3/30/2011	Cs-137	1.45E-04	1.12E-04	3.76E-04	U
AP	08	277523007	3/30/2011	Fe-59	-2.54E-05	7.74E-04	2.56E-03	U
AP	08	277523007	3/30/2011	I-131	-8.36E-02	2.49E-01	0.00E+00	U
AP	08	277523007	3/30/2011	La-140	-2.66E-03	2.11E-02	6.75E-02	U
AP	08	277523007	3/30/2011	Mn-54	2.66E-05	1.04E-04	3.56E-04	U
AP	08	277523007	3/30/2011	Nb-95	-1.28E-04	2.80E-04	8.66E-04	U
AP	08	277523007	3/30/2011	Ru-103	-2.18E-04	3.47E-04	1.07E-03	U
AP	08	277523007	3/30/2011	Ru-106	5.42E-06	9.93E-04	3.23E-03	U
AP	08	277523007	3/30/2011	Sb-124	-4.31E-04	6.34E-04	1.81E-03	U
AP	08	277523007	3/30/2011	Sb-125	-6.53E-04	3.06E-04	7.64E-04	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
AP	08	277523007	3/30/2011	Se-75	-1.98E-04	1.81E-04	5.63E-04	U
AP	08	277523007	3/30/2011	Th-228	4.79E-04	3.00E-04	5.44E-04	U
AP	08	277523007	3/30/2011	Zn-65	-2.67E-04	2.68E-04	7.76E-04	U
AP	08	277523007	3/30/2011	Zr-95	2.13E-04	4.34E-04	1.45E-03	U
AP	08	275574007	4/6/2011	BETA	7.37E-02	2.90E-03	1.60E-03	
AP	08	276545007	4/20/2011	BETA	5.03E-02	1.67E-03	8.28E-04	
AP	08	277483007	5/3/2011	BETA	2.43E-02	1.23E-03	9.41E-04	
AP	08	278643007	5/18/2011	BETA	1.12E-02	7.30E-04	6.98E-04	
AP	08	279338007	6/1/2011	BETA	2.11E-02	8.88E-04	5.50E-04	
AP	08	280318007	6/15/2011	BETA	1.93E-02	9.60E-04	6.55E-04	
AP	08	281129007	6/29/2011	BETA	1.68E-02	8.95E-04	5.18E-04	
AP	08	284171007	6/29/2011	Ac-228	-8.99E-04	6.88E-04	1.78E-03	U
AP	08	284171007	6/29/2011	Ag-108m	9.65E-05	1.29E-04	4.32E-04	U
AP	08	284171007	6/29/2011	Ag-110m	1.11E-04	1.95E-04	5.98E-04	U
AP	08	284171007	6/29/2011	Ba-140	1.31E-02	2.64E-02	0.00E+00	UI
AP	08	284171007	6/29/2011	Be-7	1.06E-01	1.13E-02	1.54E-02	
AP	08	284171007	6/29/2011	Ce-141	1.17E-03	1.36E-03	4.51E-03	U
AP	08	284171007	6/29/2011	Ce-144	3.49E-04	7.28E-04	2.42E-03	U
AP	08	284171007	6/29/2011	Co-57	-7.80E-05	9.06E-05	2.75E-04	U
AP	08	284171007	6/29/2011	Co-58	-4.72E-04	3.76E-04	9.71E-04	U
AP	08	284171007	6/29/2011	Co-60	-1.69E-05	2.01E-04	6.73E-04	U
AP	08	284171007	6/29/2011	Cr-51	-1.62E-02	1.27E-02	3.63E-02	U
AP	08	284171007	6/29/2011	Cs-134	6.86E-04	3.32E-04	1.11E-03	U
AP	08	284171007	6/29/2011	Cs-137	1.09E-03	2.23E-04	4.51E-04	M
AP	08	284171007	6/29/2011	Fe-59	7.12E-04	1.56E-03	5.41E-03	U
AP	08	284171007	6/29/2011	I-131	1.01E+00	7.28E-01	0.00E+00	UI
AP	08	284171007	6/29/2011	La-140	1.31E-02	2.63E-02	0.00E+00	UI
AP	08	284171007	6/29/2011	Mn-54	-9.48E-05	1.49E-04	4.33E-04	U
AP	08	284171007	6/29/2011	Nb-95	-8.50E-04	4.84E-04	1.19E-03	U
AP	08	284171007	6/29/2011	Ru-103	8.66E-04	6.56E-04	2.35E-03	U
AP	08	284171007	6/29/2011	Ru-106	-7.39E-04	1.59E-03	5.04E-03	U
AP	08	284171007	6/29/2011	Sb-124	1.69E-03	1.36E-03	5.09E-03	U
AP	08	284171007	6/29/2011	Sb-125	-8.04E-05	4.07E-04	1.29E-03	U
AP	08	284171007	6/29/2011	Se-75	-3.53E-05	2.70E-04	8.95E-04	U
AP	08	284171007	6/29/2011	Th-228	-3.40E-04	2.45E-04	7.39E-04	U
AP	08	284171007	6/29/2011	Zn-65	-4.42E-05	5.20E-04	1.71E-03	U
AP	08	284171007	6/29/2011	Zr-95	1.09E-03	7.54E-04	2.68E-03	U
AP	08	282335007	7/13/2011	BETA	3.14E-02	1.26E-03	6.76E-04	
AP	08	283010007	7/27/2011	BETA	3.44E-02	1.48E-03	9.57E-04	
AP	08	284042007	8/10/2011	BETA	2.58E-02	1.28E-03	9.49E-04	
AP	08	284899007	8/24/2011	BETA	3.07E-02	1.39E-03	8.72E-04	
AP	08	285758007	9/7/2011	BETA	3.16E-02	1.38E-03	7.06E-04	
AP	08	286566007	9/21/2011	BETA	2.41E-02	1.22E-03	7.26E-04	
AP	08	290255007	9/21/2011	Ac-228	2.08E-04	5.60E-04	1.98E-03	U
AP	08	290255007	9/21/2011	Ag-108m	5.22E-05	9.46E-05	3.23E-04	U
AP	08	290255007	9/21/2011	Ag-110m	2.68E-05	1.56E-04	5.27E-04	U
AP	08	290255007	9/21/2011	Ba-140	6.87E-02	8.18E-02	0.00E+00	UI
AP	08	290255007	9/21/2011	Be-7	1.42E-01	1.21E-02	1.20E-02	
AP	08	290255007	9/21/2011	Ce-141	-1.66E-03	1.65E-03	4.83E-03	U
AP	08	290255007	9/21/2011	Ce-144	9.81E-04	7.28E-04	2.40E-03	U
AP	08	290255007	9/21/2011	Co-57	1.92E-04	1.09E-04	3.54E-04	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
AP	08	290255007	9/21/2011	Co-58	2.76E-04	3.68E-04	1.26E-03	U
AP	08	290255007	9/21/2011	Co-60	4.61E-05	1.51E-04	5.03E-04	U
AP	08	290255007	9/21/2011	Cr-51	-4.30E-03	1.40E-02	4.42E-02	U
AP	08	290255007	9/21/2011	Cs-134	8.63E-05	1.58E-04	5.41E-04	U
AP	08	290255007	9/21/2011	Cs-137	-8.42E-05	1.36E-04	4.29E-04	U
AP	08	290255007	9/21/2011	Fe-59	-9.76E-04	1.58E-03	4.89E-03	U
AP	08	290255007	9/21/2011	I-131	-9.34E-01	1.56E+00	0.00E+00	U
AP	08	290255007	9/21/2011	La-140	6.87E-02	8.17E-02	0.00E+00	UI
AP	08	290255007	9/21/2011	Mn-54	-1.91E-04	1.46E-04	3.85E-04	U
AP	08	290255007	9/21/2011	Nb-95	6.09E-04	4.07E-04	1.39E-03	U
AP	08	290255007	9/21/2011	Ru-103	-5.07E-04	7.03E-04	2.14E-03	U
AP	08	290255007	9/21/2011	Ru-106	-6.17E-04	1.55E-03	5.05E-03	U
AP	08	290255007	9/21/2011	Sb-124	1.64E-03	1.26E-03	4.58E-03	U
AP	08	290255007	9/21/2011	Sb-125	-1.38E-05	3.19E-04	1.06E-03	U
AP	08	290255007	9/21/2011	Se-75	-4.93E-05	2.83E-04	9.19E-04	U
AP	08	290255007	9/21/2011	Th-228	1.86E-04	2.35E-04	7.94E-04	U
AP	08	290255007	9/21/2011	Zn-65	1.95E-04	4.23E-04	1.45E-03	U
AP	08	290255007	9/21/2011	Zr-95	-6.15E-05	6.10E-04	1.99E-03	U
AP	08	287586007	10/5/2011	BETA	2.45E-02	1.28E-03	6.33E-04	
AP	08	288558007	10/19/2011	BETA	3.57E-02	1.53E-03	5.57E-04	
AP	08	289564007	11/2/2011	BETA	1.89E-02	1.12E-03	9.35E-04	
AP	08	290711007	11/16/2011	BETA	4.03E-02	1.64E-03	9.39E-04	
AP	08	291292007	11/30/2011	BETA	4.23E-02	1.74E-03	6.54E-04	
AP	08	292257007	12/14/2011	BETA	3.21E-02	1.50E-03	7.06E-04	
AP	08	293075007	12/28/2011	BETA	3.30E-02	1.53E-03	7.14E-04	
AP	08	295624007	12/28/2011	Ac-228	9.07E-04	4.88E-04	1.65E-03	U
AP	08	295624007	12/28/2011	Ag-108m	-2.53E-05	7.56E-05	2.50E-04	U
AP	08	295624007	12/28/2011	Ag-110m	1.01E-04	1.23E-04	4.16E-04	U
AP	08	295624007	12/28/2011	Ba-140	2.20E-02	2.26E-02	7.95E-02	U
AP	08	295624007	12/28/2011	Be-7	1.07E-01	8.67E-03	8.11E-03	
AP	08	295624007	12/28/2011	Ce-141	1.01E-03	7.60E-04	2.43E-03	U
AP	08	295624007	12/28/2011	Ce-144	-5.22E-04	5.59E-04	1.68E-03	U
AP	08	295624007	12/28/2011	Co-57	-4.17E-05	6.93E-05	2.15E-04	U
AP	08	295624007	12/28/2011	Co-58	6.79E-05	1.90E-04	6.57E-04	U
AP	08	295624007	12/28/2011	Co-60	4.19E-05	1.11E-04	3.85E-04	U
AP	08	295624007	12/28/2011	Cr-51	4.35E-03	5.89E-03	1.97E-02	U
AP	08	295624007	12/28/2011	Cs-134	3.32E-05	1.08E-04	3.58E-04	U
AP	08	295624007	12/28/2011	Cs-137	5.11E-05	1.03E-04	3.45E-04	U
AP	08	295624007	12/28/2011	Fe-59	5.77E-04	7.78E-04	2.69E-03	U
AP	08	295624007	12/28/2011	I-131	1.77E-01	2.55E-01	0.00E+00	UI
AP	08	295624007	12/28/2011	La-140	2.20E-02	2.26E-02	7.95E-02	U
AP	08	295624007	12/28/2011	Mn-54	6.79E-05	1.16E-04	4.02E-04	U
AP	08	295624007	12/28/2011	Nb-95	-2.12E-04	2.70E-04	8.05E-04	U
AP	08	295624007	12/28/2011	Ru-103	-2.07E-04	3.88E-04	1.24E-03	U
AP	08	295624007	12/28/2011	Ru-106	3.52E-04	9.04E-04	3.04E-03	U
AP	08	295624007	12/28/2011	Sb-124	-7.00E-04	6.22E-04	1.60E-03	U
AP	08	295624007	12/28/2011	Sb-125	-1.34E-04	2.55E-04	8.33E-04	U
AP	08	295624007	12/28/2011	Se-75	1.98E-04	1.88E-04	6.30E-04	U
AP	08	295624007	12/28/2011	Th-228	1.21E-04	1.59E-04	4.76E-04	U
AP	08	295624007	12/28/2011	Zn-65	-4.35E-05	2.99E-04	9.68E-04	U
AP	08	295624007	12/28/2011	Zr-95	-1.55E-04	4.01E-04	1.25E-03	U

Seabrook REMP Summary of 2011 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
AP	09	270289008	1/11/2011	BETA	3.93E-02	1.51E-03	6.89E-04	
AP	09	271270008	1/26/2011	BETA	2.48E-02	1.11E-03	5.61E-04	
AP	09	272216008	2/9/2011	BETA	3.76E-02	1.40E-03	5.78E-04	
AP	09	272943008	2/23/2011	BETA	3.23E-02	1.30E-03	7.67E-04	
AP	09	273849008	3/9/2011	BETA	2.84E-02	1.22E-03	7.74E-04	
AP	09	274665008	3/23/2011	BETA	2.46E-02	1.16E-03	8.66E-04	
AP	09	274937008	3/30/2011	BETA	5.52E-02	2.40E-03	1.54E-03	
AP	09	277523008	3/30/2011	Ac-228	1.50E-03	6.94E-04	1.71E-03	U
AP	09	277523008	3/30/2011	Ag-108m	-5.46E-05	7.56E-05	2.40E-04	U
AP	09	277523008	3/30/2011	Ag-110m	-2.01E-04	1.20E-04	3.32E-04	U
AP	09	277523008	3/30/2011	Ba-140	1.65E-02	1.63E-02	5.76E-02	U
AP	09	277523008	3/30/2011	Be-7	1.08E-01	7.86E-03	6.70E-03	
AP	09	277523008	3/30/2011	Ce-141	-2.98E-04	7.44E-04	2.33E-03	U
AP	09	277523008	3/30/2011	Ce-144	7.20E-04	5.60E-04	1.80E-03	U
AP	09	277523008	3/30/2011	Co-57	4.07E-05	6.86E-05	2.25E-04	U
AP	09	277523008	3/30/2011	Co-58	-9.31E-05	2.14E-04	6.78E-04	U
AP	09	277523008	3/30/2011	Co-60	-4.38E-05	1.18E-04	3.71E-04	U
AP	09	277523008	3/30/2011	Cr-51	-2.43E-03	6.75E-03	2.14E-02	U
AP	09	277523008	3/30/2011	Cs-134	3.49E-04	1.60E-04	5.05E-04	U
AP	09	277523008	3/30/2011	Cs-137	1.28E-04	1.09E-04	3.69E-04	U
AP	09	277523008	3/30/2011	Fe-59	-7.65E-04	7.68E-04	2.29E-03	U
AP	09	277523008	3/30/2011	I-131	2.84E-01	2.69E-01	0.00E+00	UI
AP	09	277523008	3/30/2011	La-140	1.65E-02	1.63E-02	5.76E-02	U
AP	09	277523008	3/30/2011	Mn-54	6.73E-05	1.29E-04	4.29E-04	U
AP	09	277523008	3/30/2011	Nb-95	1.84E-04	2.58E-04	8.69E-04	U
AP	09	277523008	3/30/2011	Ru-103	-4.77E-04	4.15E-04	1.23E-03	U
AP	09	277523008	3/30/2011	Ru-106	2.31E-05	9.21E-04	3.10E-03	U
AP	09	277523008	3/30/2011	Sb-124	2.62E-03	9.28E-04	2.96E-03	U
AP	09	277523008	3/30/2011	Sb-125	-5.55E-04	2.69E-04	6.97E-04	U
AP	09	277523008	3/30/2011	Se-75	1.13E-04	1.55E-04	5.17E-04	U
AP	09	277523008	3/30/2011	Th-228	2.88E-04	2.44E-04	5.74E-04	U
AP	09	277523008	3/30/2011	Zn-65	-3.91E-04	3.02E-04	8.67E-04	U
AP	09	277523008	3/30/2011	Zr-95	3.49E-05	4.11E-04	1.36E-03	U
AP	09	275574008	4/6/2011	BETA	6.87E-02	2.72E-03	1.31E-03	
AP	09	276545008	4/20/2011	BETA	4.12E-02	1.51E-03	6.77E-04	
AP	09	277483008	5/3/2011	BETA	2.04E-02	1.12E-03	8.39E-04	
AP	09	278643008	5/18/2011	BETA	1.34E-02	8.93E-04	8.20E-04	
AP	09	279338008	6/1/2011	BETA	3.24E-02	1.37E-03	7.29E-04	
AP	09	280318008	6/15/2011	BETA	1.93E-02	9.33E-04	6.60E-04	
AP	09	281129008	6/29/2011	BETA	1.76E-02	9.14E-04	6.51E-04	
AP	09	284171008	6/29/2011	Ac-228	5.51E-04	7.38E-04	2.64E-03	U
AP	09	284171008	6/29/2011	Ag-108m	-8.21E-05	1.22E-04	3.72E-04	U
AP	09	284171008	6/29/2011	Ag-110m	4.16E-05	1.81E-04	5.48E-04	U
AP	09	284171008	6/29/2011	Ba-140	3.69E-02	6.70E-02	0.00E+00	UI
AP	09	284171008	6/29/2011	Be-7	9.58E-02	1.32E-02	1.55E-02	
AP	09	284171008	6/29/2011	Ce-141	-6.61E-04	1.45E-03	4.47E-03	U
AP	09	284171008	6/29/2011	Ce-144	1.46E-03	9.39E-04	3.09E-03	U
AP	09	284171008	6/29/2011	Co-57	-1.09E-04	1.16E-04	3.53E-04	U
AP	09	284171008	6/29/2011	Co-58	-6.99E-04	4.04E-04	9.10E-04	U
AP	09	284171008	6/29/2011	Co-60	-2.04E-04	1.58E-04	3.63E-04	U
AP	09	284171008	6/29/2011	Cr-51	-4.91E-03	1.43E-02	4.65E-02	U

Seabrook REMP Summary of 2011 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
AP	09	284171008	6/29/2011	Cs-134	1.96E-03	5.79E-04	1.31E-03	UI
AP	09	284171008	6/29/2011	Cs-137	1.23E-03	2.27E-04	5.14E-04	M
AP	09	284171008	6/29/2011	Fe-59	-9.04E-04	1.04E-03	2.60E-03	U
AP	09	284171008	6/29/2011	I-131	-7.94E-01	9.62E-01	0.00E+00	U
AP	09	284171008	6/29/2011	La-140	3.69E-02	6.70E-02	0.00E+00	UI
AP	09	284171008	6/29/2011	Mn-54	-1.22E-04	1.61E-04	4.68E-04	U
AP	09	284171008	6/29/2011	Nb-95	-9.32E-05	3.94E-04	1.27E-03	U
AP	09	284171008	6/29/2011	Ru-103	-9.79E-04	7.75E-04	2.06E-03	U
AP	09	284171008	6/29/2011	Ru-106	1.54E-03	1.52E-03	5.43E-03	U
AP	09	284171008	6/29/2011	Sb-124	1.47E-03	1.43E-03	5.29E-03	U
AP	09	284171008	6/29/2011	Sb-125	4.95E-04	4.32E-04	1.49E-03	U
AP	09	284171008	6/29/2011	Se-75	-1.83E-04	3.00E-04	9.69E-04	U
AP	09	284171008	6/29/2011	Th-228	-5.03E-06	2.34E-04	7.90E-04	U
AP	09	284171008	6/29/2011	Zn-65	-2.38E-04	4.74E-04	1.41E-03	U
AP	09	284171008	6/29/2011	Zr-95	-5.94E-04	7.12E-04	2.09E-03	U
AP	09	282335008	7/13/2011	BETA	2.79E-02	1.14E-03	6.96E-04	
AP	09	283010008	7/27/2011	BETA	3.32E-02	1.42E-03	9.12E-04	
AP	09	284042008	8/10/2011	BETA	2.51E-02	1.23E-03	9.04E-04	
AP	09	284899008	8/24/2011	BETA	2.99E-02	1.35E-03	8.38E-04	
AP	09	285758008	9/7/2011	BETA	3.05E-02	1.32E-03	6.73E-04	
AP	09	285900001	9/13/2011	BETA	2.30E-02	1.79E-03	1.56E-03	
AP	09	286566008	9/21/2011	BETA	3.55E-02	2.03E-03	1.34E-03	
AP	09	290255008	9/21/2011	Ac-228	-2.52E-04	5.26E-04	1.58E-03	U
AP	09	290255008	9/21/2011	Ag-108m	1.45E-05	1.18E-04	3.85E-04	U
AP	09	290255008	9/21/2011	Ag-110m	1.28E-04	1.75E-04	6.10E-04	U
AP	09	290255008	9/21/2011	Ba-140	2.47E-02	8.12E-02	0.00E+00	UI
AP	09	290255008	9/21/2011	Be-7	9.88E-02	1.39E-02	1.38E-02	
AP	09	290255008	9/21/2011	Ce-141	2.33E-03	1.71E-03	5.64E-03	U
AP	09	290255008	9/21/2011	Ce-144	-4.55E-04	7.57E-04	2.45E-03	U
AP	09	290255008	9/21/2011	Co-57	1.43E-04	1.02E-04	3.49E-04	U
AP	09	290255008	9/21/2011	Co-58	-6.26E-05	3.43E-04	1.11E-03	U
AP	09	290255008	9/21/2011	Co-60	9.82E-06	1.38E-04	4.64E-04	U
AP	09	290255008	9/21/2011	Cr-51	-9.29E-03	1.66E-02	5.19E-02	U
AP	09	290255008	9/21/2011	Cs-134	8.67E-05	1.98E-04	6.77E-04	U
AP	09	290255008	9/21/2011	Cs-137	2.32E-05	1.43E-04	4.84E-04	U
AP	09	290255008	9/21/2011	Fe-59	-1.42E-04	1.37E-03	4.38E-03	U
AP	09	290255008	9/21/2011	I-131	-1.36E+00	1.92E+00	0.00E+00	U
AP	09	290255008	9/21/2011	La-140	2.47E-02	8.12E-02	0.00E+00	UI
AP	09	290255008	9/21/2011	Mn-54	1.08E-04	1.69E-04	5.85E-04	U
AP	09	290255008	9/21/2011	Nb-95	3.37E-06	3.86E-04	1.28E-03	U
AP	09	290255008	9/21/2011	Ru-103	1.10E-03	8.60E-04	2.93E-03	U
AP	09	290255008	9/21/2011	Ru-106	9.20E-04	1.56E-03	5.41E-03	U
AP	09	290255008	9/21/2011	Sb-124	4.55E-04	7.26E-04	2.76E-03	U
AP	09	290255008	9/21/2011	Sb-125	8.43E-05	3.92E-04	1.29E-03	U
AP	09	290255008	9/21/2011	Se-75	3.57E-04	2.71E-04	9.21E-04	U
AP	09	290255008	9/21/2011	Th-228	5.00E-04	2.81E-04	8.76E-04	U
AP	09	290255008	9/21/2011	Zn-65	-2.48E-04	4.09E-04	1.21E-03	U
AP	09	290255008	9/21/2011	Zr-95	-4.21E-04	6.60E-04	2.00E-03	U
AP	09	287586008	10/5/2011	BETA	2.56E-02	1.33E-03	6.52E-04	
AP	09	288558008	10/19/2011	BETA	3.98E-02	1.66E-03	5.87E-04	
AP	09	289564008	11/2/2011	BETA	2.05E-02	1.22E-03	1.02E-03	

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
AP	09	290711008	11/16/2011	BETA	4.40E-02	1.78E-03	1.01E-03	
AP	09	291292008	11/30/2011	BETA	4.03E-02	1.75E-03	7.04E-04	
AP	09	292257008	12/14/2011	BETA	3.40E-02	1.60E-03	7.59E-04	
AP	09	293075008	12/28/2011	BETA	3.50E-02	1.63E-03	7.61E-04	
AP	09	295624008	12/28/2011	Ac-228	9.98E-04	5.68E-04	1.87E-03	U
AP	09	295624008	12/28/2011	Ag-108m	-6.61E-06	9.34E-05	3.06E-04	U
AP	09	295624008	12/28/2011	Ag-110m	-6.01E-05	1.36E-04	4.29E-04	U
AP	09	295624008	12/28/2011	Ba-140	1.30E-02	2.10E-02	7.23E-02	U
AP	09	295624008	12/28/2011	Be-7	1.07E-01	8.87E-03	8.83E-03	
AP	09	295624008	12/28/2011	Ce-141	7.02E-04	8.84E-04	2.97E-03	U
AP	09	295624008	12/28/2011	Ce-144	1.81E-04	6.55E-04	2.20E-03	U
AP	09	295624008	12/28/2011	Co-57	6.83E-05	8.87E-05	2.98E-04	U
AP	09	295624008	12/28/2011	Co-58	1.66E-04	2.55E-04	8.52E-04	U
AP	09	295624008	12/28/2011	Co-60	-2.53E-05	1.11E-04	3.59E-04	U
AP	09	295624008	12/28/2011	Cr-51	5.84E-03	8.67E-03	2.90E-02	U
AP	09	295624008	12/28/2011	Cs-134	-9.60E-05	1.62E-04	5.04E-04	U
AP	09	295624008	12/28/2011	Cs-137	2.51E-05	1.20E-04	3.94E-04	U
AP	09	295624008	12/28/2011	Fe-59	-4.05E-04	8.95E-04	2.85E-03	U
AP	09	295624008	12/28/2011	I-131	1.52E-01	3.07E-01	0.00E+00	UI
AP	09	295624008	12/28/2011	La-140	1.30E-02	2.10E-02	7.23E-02	U
AP	09	295624008	12/28/2011	Mn-54	6.52E-05	1.38E-04	4.71E-04	U
AP	09	295624008	12/28/2011	Nb-95	1.93E-04	2.83E-04	9.48E-04	U
AP	09	295624008	12/28/2011	Ru-103	-5.38E-05	5.71E-04	1.86E-03	U
AP	09	295624008	12/28/2011	Ru-106	-1.31E-03	1.36E-03	4.12E-03	U
AP	09	295624008	12/28/2011	Sb-124	-1.33E-03	8.25E-04	1.98E-03	U
AP	09	295624008	12/28/2011	Sb-125	4.48E-07	3.08E-04	1.01E-03	U
AP	09	295624008	12/28/2011	Se-75	4.57E-05	2.25E-04	7.50E-04	U
AP	09	295624008	12/28/2011	Th-228	2.12E-04	2.15E-04	6.98E-04	U
AP	09	295624008	12/28/2011	Zn-65	-1.57E-04	3.16E-04	1.00E-03	U
AP	09	295624008	12/28/2011	Zr-95	2.36E-04	5.19E-04	1.72E-03	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
CF	01	270289009	1/11/2011	I-131	-3.69E-03	4.03E-03	1.13E-02	U
CF	01	271270009	1/26/2011	I-131	-3.52E-03	2.21E-03	5.51E-03	U
CF	01	272216009	2/9/2011	I-131	-6.33E-03	5.38E-03	1.42E-02	U
CF	01	272943009	2/23/2011	I-131	-5.51E-03	3.70E-03	1.01E-02	U
CF	01	273849009	3/9/2011	I-131	-4.68E-03	2.87E-03	6.47E-03	U
CF	01	274665009	3/23/2011	I-131	2.29E-02	6.88E-03	9.10E-03	UI
CF	01	274937009	3/30/2011	I-131	6.12E-02	1.82E-02	3.26E-02	M
CF	01	275574009	4/6/2011	I-131	9.64E-02	1.50E-02	1.76E-02	
CF	01	276545009	4/20/2011	I-131	2.75E-02	5.85E-03	1.06E-02	M
CF	01	277483009	5/3/2011	I-131	-1.37E-02	1.06E-02	2.99E-02	U
CF	01	278643009	5/18/2011	I-131	5.92E-03	3.73E-03	1.50E-02	U
CF	01	279338009	6/1/2011	I-131	8.47E-03	5.81E-03	2.13E-02	U
CF	01	280318009	6/15/2011	I-131	8.03E-04	2.17E-03	7.54E-03	U
CF	01	281129009	6/29/2011	I-131	1.83E-03	6.66E-03	2.29E-02	U
CF	01	282335009	7/13/2011	I-131	2.00E-03	4.42E-03	1.53E-02	U
CF	01	283010009	7/27/2011	I-131	2.15E-03	3.84E-03	1.35E-02	U
CF	01	284042009	8/10/2011	I-131	2.62E-04	2.41E-03	8.03E-03	U
CF	01	284899009	8/24/2011	I-131	1.24E-03	2.67E-03	8.91E-03	U
CF	01	285758009	9/7/2011	I-131	3.73E-03	4.60E-03	1.62E-02	U
CF	01	286566009	9/21/2011	I-131	6.61E-03	2.89E-03	9.73E-03	U
CF	01	287586009	10/5/2011	I-131	-1.67E-03	2.91E-03	9.08E-03	U
CF	01	288558009	10/19/2011	I-131	1.18E-03	2.65E-03	9.10E-03	U
CF	01	289564009	11/2/2011	I-131	4.31E-03	4.50E-03	1.57E-02	U
CF	01	290711009	11/16/2011	I-131	2.37E-03	5.01E-03	1.72E-02	U
CF	01	291292009	11/30/2011	I-131	-7.12E-04	1.87E-03	5.90E-03	U
CF	01	292257009	12/14/2011	I-131	-2.01E-03	5.78E-03	1.81E-02	U
CF	01	293075009	12/28/2011	I-131	1.02E-03	3.88E-03	1.29E-02	U
CF	02	270289010	1/11/2011	I-131	1.58E-03	2.74E-03	9.96E-03	U
CF	02	271270010	1/26/2011	I-131	-4.70E-03	3.03E-03	8.54E-03	U
CF	02	272216010	2/9/2011	I-131	4.65E-05	5.22E-03	1.71E-02	U
CF	02	272943010	2/23/2011	I-131	-1.49E-03	2.67E-03	8.33E-03	U
CF	02	273849010	3/9/2011	I-131	-1.15E-03	2.51E-03	7.81E-03	U
CF	02	274665010	3/23/2011	I-131	1.56E-02	4.74E-03	1.61E-02	U
CF	02	274937010	3/30/2011	I-131	6.38E-02	1.05E-02	1.66E-02	M
CF	02	275574010	4/6/2011	I-131	1.29E-01	1.57E-02	1.38E-02	
CF	02	276545010	4/20/2011	I-131	4.17E-02	6.70E-03	9.62E-03	M
CF	02	277483010	5/3/2011	I-131	4.63E-03	9.84E-03	3.35E-02	U
CF	02	278643010	5/18/2011	I-131	-6.62E-03	7.85E-03	2.36E-02	U
CF	02	279338010	6/1/2011	I-131	3.48E-03	4.84E-03	1.70E-02	U
CF	02	280318010	6/15/2011	I-131	-1.44E-03	2.09E-03	6.33E-03	U
CF	02	281129010	6/29/2011	I-131	-3.56E-03	7.70E-03	2.35E-02	U
CF	02	282335010	7/13/2011	I-131	-3.87E-03	3.87E-03	1.03E-02	U
CF	02	283010010	7/27/2011	I-131	2.04E-03	4.48E-03	1.55E-02	U
CF	02	284042010	8/10/2011	I-131	-2.56E-03	2.59E-03	7.76E-03	U
CF	02	284899010	8/24/2011	I-131	5.59E-03	4.39E-03	1.50E-02	U
CF	02	285758010	9/7/2011	I-131	4.07E-03	3.56E-03	1.25E-02	U
CF	02	286566010	9/21/2011	I-131	5.45E-03	4.63E-03	1.59E-02	U
CF	02	287586010	10/5/2011	I-131	7.97E-03	5.74E-03	2.01E-02	U
CF	02	288558010	10/19/2011	I-131	-9.59E-04	3.95E-03	1.26E-02	U
CF	02	289564010	11/2/2011	I-131	2.49E-04	2.49E-03	8.41E-03	U
CF	02	290711010	11/16/2011	I-131	9.22E-05	4.94E-03	1.62E-02	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
CF	02	291292010	11/30/2011	I-131	-1.93E-03	3.60E-03	1.13E-02	U
CF	02	292257010	12/14/2011	I-131	2.10E-03	5.60E-03	1.96E-02	U
CF	02	293075010	12/28/2011	I-131	-2.49E-03	4.96E-03	1.53E-02	U
CF	03	270289011	1/11/2011	I-131	8.09E-03	4.30E-03	1.71E-02	U
CF	03	271270011	1/26/2011	I-131	-5.88E-03	2.17E-02	6.94E-02	U
CF	03	272216011	2/9/2011	I-131	-1.33E-03	6.09E-03	1.95E-02	U
CF	03	272943011	2/23/2011	I-131	2.15E-03	3.23E-03	1.13E-02	U
CF	03	273849011	3/9/2011	I-131	-2.36E-03	3.04E-03	8.86E-03	U
CF	03	274665011	3/23/2011	I-131	1.83E-02	7.37E-03	2.58E-02	U
CF	03	274937011	3/30/2011	I-131	3.87E-02	1.04E-02	2.91E-02	UI
CF	03	275574011	4/6/2011	I-131	1.01E-01	1.35E-02	9.64E-03	
CF	03	276545011	4/20/2011	I-131	1.41E-02	9.42E-03	1.48E-02	U
CF	03	277483011	5/3/2011	I-131	-9.73E-03	7.81E-03	2.24E-02	U
CF	03	278643011	5/18/2011	I-131	-9.96E-04	4.24E-03	1.36E-02	U
CF	03	279338011	6/1/2011	I-131	7.84E-03	4.44E-03	1.76E-02	U
CF	03	280318011	6/15/2011	I-131	4.69E-04	2.19E-03	7.48E-03	U
CF	03	281129011	6/29/2011	I-131	9.01E-03	8.12E-03	2.96E-02	U
CF	03	282335011	7/13/2011	I-131	-4.34E-04	4.81E-03	1.61E-02	U
CF	03	283010011	7/27/2011	I-131	-3.53E-03	4.05E-03	1.13E-02	U
CF	03	284042011	8/10/2011	I-131	-2.14E-03	2.85E-03	8.66E-03	U
CF	03	284899011	8/24/2011	I-131	-5.43E-03	3.10E-03	8.00E-03	U
CF	03	285758011	9/7/2011	I-131	-8.66E-03	4.07E-03	6.66E-03	U
CF	03	286566011	9/21/2011	I-131	2.35E-03	2.60E-03	8.91E-03	U
CF	03	287586011	10/5/2011	I-131	2.35E-03	2.84E-03	9.89E-03	U
CF	03	288558011	10/19/2011	I-131	3.61E-03	3.40E-03	1.18E-02	U
CF	03	289564011	11/2/2011	I-131	-3.25E-03	4.55E-03	1.36E-02	U
CF	03	290711011	11/16/2011	I-131	3.49E-03	5.68E-03	1.97E-02	U
CF	03	291292011	11/30/2011	I-131	1.40E-03	2.01E-03	6.96E-03	U
CF	03	292257011	12/14/2011	I-131	1.90E-03	7.38E-03	2.53E-02	U
CF	03	293075011	12/28/2011	I-131	-6.08E-03	4.97E-03	1.34E-02	U
CF	04	270289012	1/11/2011	I-131	-3.24E-03	4.03E-03	1.15E-02	U
CF	04	271270012	1/26/2011	I-131	5.49E-03	2.76E-03	1.07E-02	U
CF	04	272216012	2/9/2011	I-131	2.13E-03	4.07E-03	1.47E-02	U
CF	04	272943012	2/23/2011	I-131	-2.64E-03	2.87E-03	8.03E-03	U
CF	04	273849012	3/9/2011	I-131	-4.83E-04	3.06E-03	1.02E-02	U
CF	04	274665012	3/23/2011	I-131	1.54E-02	7.07E-03	2.52E-02	U
CF	04	274937012	3/30/2011	I-131	3.88E-02	1.10E-02	2.07E-02	M
CF	04	275574012	4/6/2011	I-131	8.47E-02	1.58E-02	2.14E-02	
CF	04	276545012	4/20/2011	I-131	2.50E-02	4.15E-03	9.14E-03	M
CF	04	277483012	5/3/2011	I-131	9.74E-03	8.71E-03	2.97E-02	U
CF	04	278643012	5/18/2011	I-131	-1.34E-02	9.51E-03	2.19E-02	U
CF	04	279338012	6/1/2011	I-131	4.95E-03	5.47E-03	2.05E-02	U
CF	04	280318012	6/15/2011	I-131	-1.89E-03	2.57E-03	7.86E-03	U
CF	04	281129012	6/29/2011	I-131	-1.95E-03	4.72E-03	1.41E-02	U
CF	04	282335012	7/13/2011	I-131	8.27E-04	5.36E-03	1.83E-02	U
CF	04	283010012	7/27/2011	I-131	-2.63E-03	4.01E-03	1.22E-02	U
CF	04	284042012	8/10/2011	I-131	3.42E-03	4.15E-03	1.43E-02	U
CF	04	284899012	8/24/2011	I-131	2.06E-03	2.55E-03	8.96E-03	U
CF	04	285758012	9/7/2011	I-131	-2.20E-03	5.10E-03	1.58E-02	U
CF	04	286566012	9/21/2011	I-131	2.65E-04	4.15E-03	1.41E-02	U
CF	04	287586012	10/5/2011	I-131	-3.03E-03	5.07E-03	1.62E-02	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
CF	04	288558012	10/19/2011	I-131	2.16E-03	2.83E-03	9.78E-03	U
CF	04	289564012	11/2/2011	I-131	5.12E-03	3.64E-03	1.29E-02	U
CF	04	290711012	11/16/2011	I-131	2.00E-03	7.52E-03	2.58E-02	U
CF	04	291292012	11/30/2011	I-131	2.42E-04	2.51E-03	8.26E-03	U
CF	04	292257012	12/14/2011	I-131	4.78E-03	4.29E-03	1.59E-02	U
CF	04	293075012	12/28/2011	I-131	-4.18E-04	7.37E-03	2.42E-02	U
CF	05	270289013	1/11/2011	I-131	7.30E-03	4.00E-03	1.53E-02	U
CF	05	271270013	1/26/2011	I-131	-9.40E-04	2.20E-03	6.79E-03	U
CF	05	272216013	2/9/2011	I-131	1.27E-03	4.35E-03	1.49E-02	U
CF	05	272943013	2/23/2011	I-131	4.61E-03	2.88E-03	1.05E-02	U
CF	05	273849013	3/9/2011	I-131	-4.69E-03	3.00E-03	7.10E-03	U
CF	05	274665013	3/23/2011	I-131	7.85E-03	9.29E-03	3.21E-02	U
CF	05	274937013	3/30/2011	I-131	3.00E-02	9.08E-03	1.35E-02	M
CF	05	275574013	4/6/2011	I-131	9.19E-02	1.46E-02	2.44E-02	
CF	05	276545013	4/20/2011	I-131	2.69E-02	4.42E-03	7.32E-03	M
CF	05	277483013	5/3/2011	I-131	3.39E-03	8.88E-03	3.03E-02	U
CF	05	278643013	5/18/2011	I-131	5.34E-04	3.58E-03	1.25E-02	U
CF	05	279338013	6/1/2011	I-131	-1.07E-03	1.02E-02	3.41E-02	U
CF	05	280318013	6/15/2011	I-131	3.74E-03	2.33E-03	8.05E-03	U
CF	05	281129013	6/29/2011	I-131	-1.01E-02	6.67E-03	1.39E-02	U
CF	05	282335013	7/13/2011	I-131	-2.18E-03	3.66E-03	9.54E-03	U
CF	05	283010013	7/27/2011	I-131	3.61E-03	3.11E-03	1.18E-02	U
CF	05	284042013	8/10/2011	I-131	-1.10E-03	2.19E-03	7.01E-03	U
CF	05	284899013	8/24/2011	I-131	-9.21E-05	2.65E-03	8.70E-03	U
CF	05	285758013	9/7/2011	I-131	-1.91E-03	4.21E-03	1.30E-02	U
CF	05	286566013	9/21/2011	I-131	3.83E-04	2.14E-03	7.15E-03	U
CF	05	287586013	10/5/2011	I-131	-4.57E-03	2.89E-03	7.42E-03	U
CF	05	288558013	10/19/2011	I-131	-2.16E-03	2.32E-03	6.99E-03	U
CF	05	289564013	11/2/2011	I-131	5.02E-03	3.98E-03	1.40E-02	U
CF	05	290711013	11/16/2011	I-131	-1.70E-03	4.93E-03	1.61E-02	U
CF	05	291292013	11/30/2011	I-131	1.36E-03	1.88E-03	6.42E-03	U
CF	05	292257013	12/14/2011	I-131	-5.44E-04	4.49E-03	1.48E-02	U
CF	05	293075013	12/28/2011	I-131	3.13E-03	3.89E-03	1.36E-02	U
CF	07	270289014	1/11/2011	I-131	-4.44E-03	5.20E-03	1.48E-02	U
CF	07	271270014	1/26/2011	I-131	7.91E-03	2.72E-03	1.06E-02	U
CF	07	272216014	2/9/2011	I-131	4.41E-03	4.20E-03	1.58E-02	U
CF	07	272943014	2/23/2011	I-131	-1.37E-03	3.86E-03	1.24E-02	U
CF	07	273849014	3/9/2011	I-131	-1.35E-03	3.10E-03	9.69E-03	U
CF	07	274665014	3/23/2011	I-131	1.21E-02	7.71E-03	1.82E-02	U
CF	07	274937014	3/30/2011	I-131	3.93E-02	1.01E-02	1.87E-02	M
CF	07	275574014	4/6/2011	I-131	6.13E-02	1.11E-02	1.36E-02	M
CF	07	276545014	4/20/2011	I-131	2.05E-02	8.43E-03	1.45E-02	M
CF	07	277483014	5/3/2011	I-131	3.08E-03	5.50E-03	1.88E-02	U
CF	07	278643014	5/18/2011	I-131	8.55E-03	8.51E-03	3.06E-02	U
CF	07	279338014	6/1/2011	I-131	-1.14E-03	4.54E-03	1.45E-02	U
CF	07	280318014	6/15/2011	I-131	-4.11E-03	2.19E-03	5.53E-03	U
CF	07	281129014	6/29/2011	I-131	-2.48E-04	5.92E-03	1.96E-02	U
CF	07	282335014	7/13/2011	I-131	3.10E-03	4.27E-03	1.52E-02	U
CF	07	283010014	7/27/2011	I-131	-2.33E-03	3.60E-03	1.00E-02	U
CF	07	284042014	8/10/2011	I-131	-4.86E-04	2.44E-03	8.04E-03	U
CF	07	284899014	8/24/2011	I-131	6.63E-04	4.17E-03	1.39E-02	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
CF	07	285758014	9/7/2011	I-131	6.93E-03	4.61E-03	1.65E-02	U
CF	07	286566014	9/21/2011	I-131	-1.12E-03	3.05E-03	9.99E-03	U
CF	07	287586014	10/5/2011	I-131	2.09E-03	3.23E-03	1.15E-02	U
CF	07	288558014	10/19/2011	I-131	8.87E-04	2.10E-03	7.11E-03	U
CF	07	289564014	11/2/2011	I-131	2.04E-03	2.71E-03	9.37E-03	U
CF	07	290711014	11/16/2011	I-131	7.43E-03	6.67E-03	2.39E-02	U
CF	07	291292014	11/30/2011	I-131	9.22E-04	2.63E-03	8.62E-03	U
CF	07	292257014	12/14/2011	I-131	-9.20E-03	5.22E-03	1.12E-02	U
CF	07	293075014	12/28/2011	I-131	-5.80E-03	4.88E-03	1.30E-02	U
CF	08	270289015	1/11/2011	I-131	9.06E-04	3.30E-03	1.14E-02	U
CF	08	271270015	1/26/2011	I-131	-1.11E-03	2.61E-03	8.52E-03	U
CF	08	272216015	2/9/2011	I-131	3.20E-03	3.72E-03	1.41E-02	U
CF	08	272943015	2/23/2011	I-131	3.42E-04	3.19E-03	1.08E-02	U
CF	08	273849015	3/9/2011	I-131	1.25E-03	3.67E-03	1.23E-02	U
CF	08	274665015	3/23/2011	I-131	2.39E-02	5.88E-03	1.43E-02	UI
CF	08	274937015	3/30/2011	I-131	4.24E-02	9.53E-03	2.33E-02	M
CF	08	275574015	4/6/2011	I-131	1.12E-01	1.65E-02	9.68E-03	
CF	08	276545015	4/20/2011	I-131	2.70E-02	5.85E-03	1.13E-02	M
CF	08	277483015	5/3/2011	I-131	8.91E-03	5.67E-03	1.92E-02	U
CF	08	278643015	5/18/2011	I-131	-3.71E-03	5.11E-03	1.54E-02	U
CF	08	279338015	6/1/2011	I-131	-2.77E-03	2.34E-03	4.24E-03	U
CF	08	280318015	6/15/2011	I-131	2.45E-03	3.59E-03	1.23E-02	U
CF	08	281129015	6/29/2011	I-131	6.35E-03	5.83E-03	2.19E-02	U
CF	08	282335015	7/13/2011	I-131	1.76E-03	3.93E-03	1.40E-02	U
CF	08	283010015	7/27/2011	I-131	1.15E-03	3.48E-03	1.20E-02	U
CF	08	284042015	8/10/2011	I-131	-6.60E-03	2.94E-03	6.35E-03	U
CF	08	284899015	8/24/2011	I-131	1.09E-02	5.08E-03	1.64E-02	U
CF	08	285758015	9/7/2011	I-131	3.45E-03	3.02E-03	1.08E-02	U
CF	08	286566015	9/21/2011	I-131	-1.29E-03	2.96E-03	9.33E-03	U
CF	08	287586015	10/5/2011	I-131	1.44E-03	3.11E-03	1.09E-02	U
CF	08	288558015	10/19/2011	I-131	2.68E-03	2.71E-03	9.88E-03	U
CF	08	289564015	11/2/2011	I-131	-4.33E-03	2.58E-03	5.90E-03	U
CF	08	290711015	11/16/2011	I-131	-3.79E-03	3.95E-03	1.18E-02	U
CF	08	291292015	11/30/2011	I-131	4.65E-04	1.96E-03	6.77E-03	U
CF	08	292257015	12/14/2011	I-131	2.54E-03	4.02E-03	1.39E-02	U
CF	08	293075015	12/28/2011	I-131	5.49E-03	6.38E-03	2.24E-02	U
CF	09	270289016	1/11/2011	I-131	6.26E-03	4.16E-03	1.71E-02	U
CF	09	271270016	1/26/2011	I-131	1.06E-03	3.70E-03	1.23E-02	U
CF	09	272216016	2/9/2011	I-131	3.31E-03	4.73E-03	1.69E-02	U
CF	09	272943016	2/23/2011	I-131	-1.23E-03	3.56E-03	1.11E-02	U
CF	09	273849016	3/9/2011	I-131	-1.40E-03	3.17E-03	1.02E-02	U
CF	09	274665016	3/23/2011	I-131	2.47E-02	6.88E-03	1.13E-02	UI
CF	09	274937016	3/30/2011	I-131	2.68E-02	8.73E-03	1.52E-02	UI
CF	09	275574016	4/6/2011	I-131	1.07E-01	1.39E-02	1.36E-02	
CF	09	276545016	4/20/2011	I-131	2.57E-02	6.51E-03	9.03E-03	M
CF	09	277483016	5/3/2011	I-131	7.50E-03	5.39E-03	1.85E-02	U
CF	09	278643016	5/18/2011	I-131	-3.64E-03	8.99E-03	2.76E-02	U
CF	09	279338016	6/1/2011	I-131	-3.35E-04	4.37E-03	1.46E-02	U
CF	09	280318016	6/15/2011	I-131	-1.65E-03	1.95E-03	6.00E-03	U
CF	09	281129016	6/29/2011	I-131	-3.54E-03	5.25E-03	1.49E-02	U
CF	09	282335016	7/13/2011	I-131	2.45E-03	5.39E-03	1.90E-02	U

Seabrook REMP Summary of 2011 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m3)	STD.DEV. (pCi/m3)	MDC (pCi/m3)	FLAGS
CF	09	283010016	7/27/2011	I-131	1.19E-03	3.35E-03	1.16E-02	U
CF	09	284042016	8/10/2011	I-131	1.82E-03	2.68E-03	9.04E-03	U
CF	09	284899016	8/24/2011	I-131	1.75E-03	3.07E-03	1.06E-02	U
CF	09	285758016	9/7/2011	I-131	-1.92E-03	3.67E-03	1.15E-02	U
CF	09	285900002	9/13/2011	I-131	-2.72E-04	7.33E-03	2.47E-02	U
CF	09	286566016	9/21/2011	I-131	-9.78E-03	5.07E-03	1.19E-02	U
CF	09	287586016	10/5/2011	I-131	-2.78E-03	2.23E-03	6.28E-03	U
CF	09	288558016	10/19/2011	I-131	-1.03E-03	2.53E-03	8.00E-03	U
CF	09	289564016	11/2/2011	I-131	5.31E-03	3.13E-03	1.12E-02	U
CF	09	290711016	11/16/2011	I-131	-6.45E-03	5.12E-03	1.37E-02	U
CF	09	291292016	11/30/2011	I-131	3.87E-03	2.53E-03	8.89E-03	U
CF	09	292257016	12/14/2011	I-131	8.66E-03	5.50E-03	1.92E-02	U
CF	09	293075016	12/28/2011	I-131	-1.73E-03	3.58E-03	1.15E-02	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
FH	03	286778001	9/26/2011	Ac-228	-5.77E+00	3.24E+01	9.99E+01	U
FH	03	286778001	9/26/2011	Ag-108m	-1.42E+00	6.22E+00	1.95E+01	U
FH	03	286778001	9/26/2011	Ag-110m	2.30E+00	7.27E+00	2.45E+01	U
FH	03	286778001	9/26/2011	Ba-140	-4.82E+00	1.22E+01	3.69E+01	U
FH	03	286778001	9/26/2011	Be-7	-3.26E+01	6.10E+01	1.97E+02	U
FH	03	286778001	9/26/2011	Bi-214	1.51E+00	1.73E+01	5.84E+01	U
FH	03	286778001	9/26/2011	Ce-141	1.99E+01	1.23E+01	4.09E+01	U
FH	03	286778001	9/26/2011	Ce-144	-2.28E+01	4.14E+01	1.36E+02	U
FH	03	286778001	9/26/2011	Co-57	6.48E-01	4.65E+00	1.59E+01	U
FH	03	286778001	9/26/2011	Co-58	6.68E+00	8.63E+00	2.92E+01	U
FH	03	286778001	9/26/2011	Co-60	-1.71E+01	7.65E+00	1.17E+01	U
FH	03	286778001	9/26/2011	Cr-51	-5.69E+01	6.93E+01	2.11E+02	U
FH	03	286778001	9/26/2011	Cs-134	1.23E+01	9.50E+00	3.26E+01	U
FH	03	286778001	9/26/2011	Cs-137	-3.26E+00	7.17E+00	2.27E+01	U
FH	03	286778001	9/26/2011	Fe-59	9.00E+00	1.52E+01	5.30E+01	U
FH	03	286778001	9/26/2011	I-131	-1.14E+01	1.61E+01	4.90E+01	U
FH	03	286778001	9/26/2011	K-40	2.74E+03	2.81E+02	2.17E+02	
FH	03	286778001	9/26/2011	La-140	-4.82E+00	1.22E+01	3.69E+01	U
FH	03	286778001	9/26/2011	Mn-54	5.57E+00	7.94E+00	2.68E+01	U
FH	03	286778001	9/26/2011	Nb-95	-1.54E+01	9.74E+00	2.51E+01	U
FH	03	286778001	9/26/2011	Pb-212	-4.13E-01	1.39E+01	4.85E+01	U
FH	03	286778001	9/26/2011	Pb-214	2.27E+01	1.91E+01	6.02E+01	U
FH	03	286778001	9/26/2011	Ra-226	1.51E+00	1.73E+01	5.84E+01	U
FH	03	286778001	9/26/2011	Ru-103	1.62E+01	9.12E+00	3.06E+01	U
FH	03	286778001	9/26/2011	Ru-106	-2.42E+01	7.56E+01	2.45E+02	U
FH	03	286778001	9/26/2011	Sb-124	1.21E+01	1.93E+01	6.67E+01	U
FH	03	286778001	9/26/2011	Sb-125	-1.04E+01	2.04E+01	6.07E+01	U
FH	03	286778001	9/26/2011	Se-75	-1.55E+01	9.52E+00	2.62E+01	U
FH	03	286778001	9/26/2011	Th-228	-4.13E-01	1.39E+01	4.85E+01	U
FH	03	286778001	9/26/2011	Th-230	1.51E+00	1.73E+01	5.84E+01	U
FH	03	286778001	9/26/2011	Tl-208	-3.08E+00	9.20E+00	3.02E+01	U
FH	03	286778001	9/26/2011	Zn-65	3.54E+00	1.67E+01	5.64E+01	U
FH	03	286778001	9/26/2011	Zr-95	2.04E+00	1.28E+01	4.26E+01	U
FH	03	285107003	8/30/2011	Ac-228	1.92E+00	1.80E+01	2.54E+01	U
FH	03	285107003	8/30/2011	Ag-108m	-2.70E-02	2.65E+00	4.35E+00	U
FH	03	285107003	8/30/2011	Ag-110m	-1.50E+00	3.33E+00	5.36E+00	U
FH	03	285107003	8/30/2011	Ba-140	2.21E+00	1.11E+01	1.92E+01	U
FH	03	285107003	8/30/2011	Be-7	4.50E+00	3.27E+01	5.38E+01	U
FH	03	285107003	8/30/2011	Bi-214	1.75E+00	1.43E+01	1.23E+01	U
FH	03	285107003	8/30/2011	Ce-141	-6.72E-01	6.80E+00	1.11E+01	U
FH	03	285107003	8/30/2011	Ce-144	-1.00E+01	1.91E+01	2.98E+01	U
FH	03	285107003	8/30/2011	Co-57	-2.01E+00	2.49E+00	3.69E+00	U
FH	03	285107003	8/30/2011	Co-58	1.42E+00	3.92E+00	6.59E+00	U
FH	03	285107003	8/30/2011	Co-60	-7.45E-01	4.13E+00	6.77E+00	U
FH	03	285107003	8/30/2011	Cr-51	1.24E+01	4.32E+01	7.27E+01	U
FH	03	285107003	8/30/2011	Cs-134	-2.01E+00	4.27E+00	6.71E+00	U
FH	03	285107003	8/30/2011	Cs-137	6.10E+00	4.44E+00	6.38E+00	U
FH	03	285107003	8/30/2011	Fe-59	3.65E+00	1.11E+01	1.89E+01	U
FH	03	285107003	8/30/2011	I-131	6.32E+00	2.21E+01	3.70E+01	U
FH	03	285107003	8/30/2011	K-40	4.33E+03	4.54E+02	5.02E+01	
FH	03	285107003	8/30/2011	La-140	2.21E+00	1.11E+01	1.92E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
FH	03	285107003	8/30/2011	Mn-54	9.33E-01	3.40E+00	5.70E+00	U
FH	03	285107003	8/30/2011	Nb-95	-9.52E-01	4.00E+00	6.53E+00	U
FH	03	285107003	8/30/2011	Pb-212	4.11E+00	1.06E+01	1.00E+01	U
FH	03	285107003	8/30/2011	Pb-214	-2.41E+00	8.34E+00	1.15E+01	U
FH	03	285107003	8/30/2011	Ra-226	1.75E+00	1.43E+01	1.23E+01	U
FH	03	285107003	8/30/2011	Ru-103	-1.29E+00	4.21E+00	7.07E+00	U
FH	03	285107003	8/30/2011	Ru-106	4.75E+00	2.79E+01	4.77E+01	U
FH	03	285107003	8/30/2011	Sb-124	-1.83E+00	7.54E+00	1.23E+01	U
FH	03	285107003	8/30/2011	Sb-125	7.81E-01	8.42E+00	1.39E+01	U
FH	03	285107003	8/30/2011	Se-75	4.35E+00	4.80E+00	7.67E+00	U
FH	03	285107003	8/30/2011	Th-228	4.11E+00	1.06E+01	1.00E+01	U
FH	03	285107003	8/30/2011	Th-230	1.75E+00	1.43E+01	1.23E+01	U
FH	03	285107003	8/30/2011	Tl-208	-3.47E+00	4.65E+00	5.53E+00	U
FH	03	285107003	8/30/2011	Zn-65	1.82E+00	9.13E+00	1.56E+01	U
FH	03	285107003	8/30/2011	Zr-95	-3.98E+00	7.26E+00	1.13E+01	U
FH	03	273217001	2/23/2011	Ac-228	-8.26E+00	1.98E+01	5.37E+01	U
FH	03	273217001	2/23/2011	Ag-108m	-3.47E-01	2.99E+00	9.51E+00	U
FH	03	273217001	2/23/2011	Ag-110m	6.65E+00	3.74E+00	1.20E+01	U
FH	03	273217001	2/23/2011	Ba-140	7.10E+00	1.54E+01	5.16E+01	U
FH	03	273217001	2/23/2011	Be-7	1.78E+01	3.79E+01	1.29E+02	U
FH	03	273217001	2/23/2011	Bi-214	-1.19E+01	1.08E+01	2.66E+01	U
FH	03	273217001	2/23/2011	Ce-141	1.50E+01	7.72E+00	2.39E+01	U
FH	03	273217001	2/23/2011	Ce-144	-1.91E+00	1.69E+01	5.68E+01	U
FH	03	273217001	2/23/2011	Co-57	-4.81E-01	2.10E+00	7.07E+00	U
FH	03	273217001	2/23/2011	Co-58	2.53E+00	4.33E+00	1.43E+01	U
FH	03	273217001	2/23/2011	Co-60	-1.16E+00	4.15E+00	1.35E+01	U
FH	03	273217001	2/23/2011	Cr-51	-4.38E+01	4.93E+01	1.53E+02	U
FH	03	273217001	2/23/2011	Cs-134	6.88E+00	4.64E+00	1.51E+01	U
FH	03	273217001	2/23/2011	Cs-137	-4.58E+00	3.80E+00	1.15E+01	U
FH	03	273217001	2/23/2011	Fe-59	-1.37E+00	1.04E+01	3.46E+01	U
FH	03	273217001	2/23/2011	I-131	-2.25E+01	3.10E+01	9.68E+01	U
FH	03	273217001	2/23/2011	K-40	2.75E+03	1.81E+02	1.21E+02	
FH	03	273217001	2/23/2011	La-140	7.10E+00	1.54E+01	5.16E+01	U
FH	03	273217001	2/23/2011	Mn-54	-1.54E+00	3.89E+00	1.25E+01	U
FH	03	273217001	2/23/2011	Nb-95	6.27E+00	4.64E+00	1.52E+01	U
FH	03	273217001	2/23/2011	Pb-212	1.06E+01	8.95E+00	2.08E+01	U
FH	03	273217001	2/23/2011	Pb-214	-1.87E+01	1.40E+01	2.54E+01	U
FH	03	273217001	2/23/2011	Ra-226	-1.19E+01	1.08E+01	2.66E+01	U
FH	03	273217001	2/23/2011	Ru-103	-9.15E-01	4.84E+00	1.62E+01	U
FH	03	273217001	2/23/2011	Ru-106	-9.95E+01	4.07E+01	1.00E+02	U
FH	03	273217001	2/23/2011	Sb-124	1.78E+01	1.04E+01	3.52E+01	U
FH	03	273217001	2/23/2011	Sb-125	8.33E-01	9.41E+00	3.02E+01	U
FH	03	273217001	2/23/2011	Se-75	-1.27E-01	4.53E+00	1.48E+01	U
FH	03	273217001	2/23/2011	Th-228	1.06E+01	8.95E+00	2.08E+01	U
FH	03	273217001	2/23/2011	Th-230	-1.19E+01	1.07E+01	2.66E+01	U
FH	03	273217001	2/23/2011	Tl-208	-4.77E+00	6.01E+00	1.28E+01	U
FH	03	273217001	2/23/2011	Zn-65	-2.91E+00	8.98E+00	2.96E+01	U
FH	03	273217001	2/23/2011	Zr-95	4.65E+00	7.72E+00	2.57E+01	U
FH	03	279317001	5/25/2011	Ac-228	1.75E+01	1.40E+01	4.68E+01	U
FH	03	279317001	5/25/2011	Ag-108m	1.87E+00	2.17E+00	7.32E+00	U
FH	03	279317001	5/25/2011	Ag-110m	-6.36E+00	3.30E+00	8.66E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
FH	03	279317001	5/25/2011	Ba-140	8.35E+00	1.64E+01	5.72E+01	U
FH	03	279317001	5/25/2011	Be-7	3.65E+01	3.37E+01	1.13E+02	U
FH	03	279317001	5/25/2011	Bi-214	1.50E+01	7.70E+00	2.36E+01	U
FH	03	279317001	5/25/2011	Ce-141	-1.71E+01	9.18E+00	2.34E+01	U
FH	03	279317001	5/25/2011	Ce-144	8.28E+00	1.81E+01	5.96E+01	U
FH	03	279317001	5/25/2011	Co-57	4.58E+00	2.43E+00	7.65E+00	U
FH	03	279317001	5/25/2011	Co-58	-4.30E+00	4.06E+00	1.21E+01	U
FH	03	279317001	5/25/2011	Co-60	2.01E+00	3.08E+00	1.07E+01	U
FH	03	279317001	5/25/2011	Cr-51	4.59E+01	4.66E+01	1.58E+02	U
FH	03	279317001	5/25/2011	Cs-134	-6.37E+00	3.66E+00	9.50E+00	U
FH	03	279317001	5/25/2011	Cs-137	8.39E+00	3.66E+00	1.18E+01	U
FH	03	279317001	5/25/2011	Fe-59	9.17E+00	1.10E+01	3.69E+01	U
FH	03	279317001	5/25/2011	I-131	-1.74E+00	4.45E+01	1.47E+02	U
FH	03	279317001	5/25/2011	K-40	3.43E+03	2.26E+02	8.44E+01	
FH	03	279317001	5/25/2011	La-140	8.35E+00	1.64E+01	5.72E+01	U
FH	03	279317001	5/25/2011	Mn-54	-1.14E+00	3.09E+00	9.93E+00	U
FH	03	279317001	5/25/2011	Nb-95	-2.09E+00	4.28E+00	1.30E+01	U
FH	03	279317001	5/25/2011	Pb-212	5.52E+00	5.01E+00	1.66E+01	U
FH	03	279317001	5/25/2011	Pb-214	1.10E+01	6.71E+00	2.15E+01	U
FH	03	279317001	5/25/2011	Ra-226	1.50E+01	7.70E+00	2.36E+01	U
FH	03	279317001	5/25/2011	Ru-103	1.84E+00	4.61E+00	1.53E+01	U
FH	03	279317001	5/25/2011	Ru-106	4.14E+01	2.80E+01	9.60E+01	U
FH	03	279317001	5/25/2011	Sb-124	3.58E-01	7.55E+00	2.49E+01	U
FH	03	279317001	5/25/2011	Sb-125	-3.74E+00	6.84E+00	2.16E+01	U
FH	03	279317001	5/25/2011	Se-75	-2.15E+00	3.94E+00	1.29E+01	U
FH	03	279317001	5/25/2011	Th-228	5.52E+00	5.01E+00	1.66E+01	U
FH	03	279317001	5/25/2011	Th-230	1.50E+01	7.69E+00	2.36E+01	U
FH	03	279317001	5/25/2011	Tl-208	4.67E+00	3.06E+00	1.01E+01	U
FH	03	279317001	5/25/2011	Zn-65	5.31E+00	8.97E+00	2.98E+01	U
FH	03	279317001	5/25/2011	Zr-95	-8.62E+00	7.02E+00	2.05E+01	U
FH	03	285107001	8/30/2011	Ac-228	-2.98E+00	7.45E+00	1.96E+01	U
FH	03	285107001	8/30/2011	Ag-108m	4.27E-01	1.18E+00	3.84E+00	U
FH	03	285107001	8/30/2011	Ag-110m	4.87E-01	1.35E+00	4.48E+00	U
FH	03	285107001	8/30/2011	Ba-140	1.33E+00	4.39E+00	1.49E+01	U
FH	03	285107001	8/30/2011	Be-7	-2.03E+01	1.42E+01	4.08E+01	U
FH	03	285107001	8/30/2011	Bi-214	-1.85E+00	4.14E+00	1.05E+01	U
FH	03	285107001	8/30/2011	Ce-141	-3.23E+00	2.91E+00	8.80E+00	U
FH	03	285107001	8/30/2011	Ce-144	1.05E+01	8.40E+00	2.63E+01	U
FH	03	285107001	8/30/2011	Co-57	-2.49E-01	9.68E-01	3.11E+00	U
FH	03	285107001	8/30/2011	Co-58	1.63E+00	1.74E+00	5.71E+00	U
FH	03	285107001	8/30/2011	Co-60	-1.15E+00	1.74E+00	5.46E+00	U
FH	03	285107001	8/30/2011	Cr-51	-1.07E+01	1.75E+01	5.62E+01	U
FH	03	285107001	8/30/2011	Cs-134	5.19E-01	1.64E+00	5.39E+00	U
FH	03	285107001	8/30/2011	Cs-137	-1.66E+00	1.52E+00	4.69E+00	U
FH	03	285107001	8/30/2011	Fe-59	1.84E+00	4.51E+00	1.51E+01	U
FH	03	285107001	8/30/2011	I-131	-1.57E+00	8.74E+00	2.84E+01	U
FH	03	285107001	8/30/2011	K-40	3.31E+03	1.78E+02	3.90E+01	
FH	03	285107001	8/30/2011	La-140	1.33E+00	4.39E+00	1.49E+01	U
FH	03	285107001	8/30/2011	Mn-54	-5.57E-01	1.53E+00	4.89E+00	U
FH	03	285107001	8/30/2011	Nb-95	4.36E-01	1.64E+00	5.42E+00	U
FH	03	285107001	8/30/2011	Pb-212	-1.55E+00	3.11E+00	8.30E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
FH	03	285107001	8/30/2011	Pb-214	5.37E+00	4.73E+00	1.11E+01	U
FH	03	285107001	8/30/2011	Ra-226	-1.85E+00	4.14E+00	1.05E+01	U
FH	03	285107001	8/30/2011	Ru-103	2.48E-01	1.69E+00	5.74E+00	U
FH	03	285107001	8/30/2011	Ru-106	-3.89E+00	1.22E+01	4.01E+01	U
FH	03	285107001	8/30/2011	Sb-124	-5.96E+00	3.52E+00	9.32E+00	U
FH	03	285107001	8/30/2011	Sb-125	-4.90E+00	3.73E+00	1.10E+01	U
FH	03	285107001	8/30/2011	Se-75	-2.43E+00	2.03E+00	6.32E+00	U
FH	03	285107001	8/30/2011	Th-228	-1.55E+00	3.11E+00	8.30E+00	U
FH	03	285107001	8/30/2011	Th-230	-1.85E+00	4.14E+00	1.05E+01	U
FH	03	285107001	8/30/2011	Tl-208	9.94E-01	2.34E+00	4.55E+00	U
FH	03	285107001	8/30/2011	Zn-65	-3.46E+00	3.92E+00	1.24E+01	U
FH	03	285107001	8/30/2011	Zr-95	-2.13E+00	2.86E+00	8.96E+00	U
FH	03	290636001	11/15/2011	Ac-228	-6.30E+00	7.02E+00	1.76E+01	U
FH	03	290636001	11/15/2011	Ag-108m	1.12E-01	1.11E+00	3.71E+00	U
FH	03	290636001	11/15/2011	Ag-110m	-3.69E+00	1.83E+00	3.99E+00	U
FH	03	290636001	11/15/2011	Ba-140	3.30E+00	3.97E+00	1.32E+01	U
FH	03	290636001	11/15/2011	Be-7	-1.20E+01	1.29E+01	4.10E+01	U
FH	03	290636001	11/15/2011	Bi-214	6.59E+00	4.07E+00	7.80E+00	U
FH	03	290636001	11/15/2011	Ce-141	3.71E+00	3.75E+00	9.81E+00	U
FH	03	290636001	11/15/2011	Ce-144	3.73E+00	8.29E+00	2.74E+01	U
FH	03	290636001	11/15/2011	Co-57	-9.34E-01	1.12E+00	3.58E+00	U
FH	03	290636001	11/15/2011	Co-58	-2.06E+00	1.59E+00	4.67E+00	U
FH	03	290636001	11/15/2011	Co-60	1.24E+00	1.55E+00	5.15E+00	U
FH	03	290636001	11/15/2011	Cr-51	1.31E+01	1.66E+01	5.58E+01	U
FH	03	290636001	11/15/2011	Cs-134	-2.31E+00	1.77E+00	5.22E+00	U
FH	03	290636001	11/15/2011	Cs-137	3.28E+00	1.58E+00	4.77E+00	U
FH	03	290636001	11/15/2011	Fe-59	5.09E+00	4.07E+00	1.34E+01	U
FH	03	290636001	11/15/2011	I-131	3.15E+00	7.12E+00	2.40E+01	U
FH	03	290636001	11/15/2011	K-40	3.73E+03	2.03E+02	4.00E+01	
FH	03	290636001	11/15/2011	La-140	3.30E+00	3.97E+00	1.32E+01	U
FH	03	290636001	11/15/2011	Mn-54	-3.33E-01	1.31E+00	4.19E+00	U
FH	03	290636001	11/15/2011	Nb-95	4.18E+00	1.87E+00	5.53E+00	U
FH	03	290636001	11/15/2011	Pb-212	6.75E-01	3.72E+00	8.71E+00	U
FH	03	290636001	11/15/2011	Pb-214	-2.33E-01	3.46E+00	9.52E+00	U
FH	03	290636001	11/15/2011	Ra-226	6.59E+00	4.07E+00	7.80E+00	U
FH	03	290636001	11/15/2011	Ru-103	-1.16E+00	1.68E+00	5.39E+00	U
FH	03	290636001	11/15/2011	Ru-106	1.33E+01	1.23E+01	4.02E+01	U
FH	03	290636001	11/15/2011	Sb-124	3.13E+00	2.93E+00	9.81E+00	U
FH	03	290636001	11/15/2011	Sb-125	-5.11E-01	4.15E+00	1.11E+01	U
FH	03	290636001	11/15/2011	Se-75	-1.56E-01	1.82E+00	5.84E+00	U
FH	03	290636001	11/15/2011	Th-228	6.75E-01	3.72E+00	8.71E+00	U
FH	03	290636001	11/15/2011	Th-230	6.59E+00	4.06E+00	7.80E+00	U
FH	03	290636001	11/15/2011	Tl-208	1.46E-01	2.39E+00	4.15E+00	U
FH	03	290636001	11/15/2011	Zn-65	-1.31E-01	3.56E+00	1.18E+01	U
FH	03	290636001	11/15/2011	Zr-95	4.22E+00	2.80E+00	8.90E+00	U
FH	53	273217002	2/24/2011	Ac-228	2.97E+01	1.76E+01	5.73E+01	U
FH	53	273217002	2/24/2011	Ag-108m	8.30E-01	2.45E+00	8.20E+00	U
FH	53	273217002	2/24/2011	Ag-110m	-1.54E+00	3.52E+00	1.10E+01	U
FH	53	273217002	2/24/2011	Ba-140	-1.10E+01	2.06E+01	6.46E+01	U
FH	53	273217002	2/24/2011	Be-7	2.46E+00	3.33E+01	1.10E+02	U
FH	53	273217002	2/24/2011	Bi-214	2.91E+01	1.37E+01	2.73E+01	UI

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
FH	53	273217002	2/24/2011	Ce-141	1.26E+01	5.42E+00	1.61E+01	U
FH	53	273217002	2/24/2011	Ce-144	-5.78E+00	1.14E+01	3.75E+01	U
FH	53	273217002	2/24/2011	Co-57	1.47E+00	1.42E+00	4.76E+00	U
FH	53	273217002	2/24/2011	Co-58	-4.57E-04	4.41E+00	1.47E+01	U
FH	53	273217002	2/24/2011	Co-60	2.87E+00	4.63E+00	1.58E+01	U
FH	53	273217002	2/24/2011	Cr-51	3.87E+00	3.94E+01	1.34E+02	U
FH	53	273217002	2/24/2011	Cs-134	-2.77E+00	4.40E+00	1.41E+01	U
FH	53	273217002	2/24/2011	Cs-137	-2.53E+00	3.65E+00	1.12E+01	U
FH	53	273217002	2/24/2011	Fe-59	-2.55E+01	1.35E+01	3.49E+01	U
FH	53	273217002	2/24/2011	I-131	2.98E+00	2.48E+01	8.36E+01	U
FH	53	273217002	2/24/2011	K-40	2.98E+03	1.89E+02	1.26E+02	
FH	53	273217002	2/24/2011	La-140	-1.10E+01	2.06E+01	6.46E+01	U
FH	53	273217002	2/24/2011	Mn-54	-4.51E+00	3.50E+00	1.03E+01	U
FH	53	273217002	2/24/2011	Nb-95	-1.74E+00	3.99E+00	1.30E+01	U
FH	53	273217002	2/24/2011	Pb-212	1.15E+00	6.42E+00	1.50E+01	U
FH	53	273217002	2/24/2011	Pb-214	-1.37E+01	8.91E+00	2.19E+01	U
FH	53	273217002	2/24/2011	Ra-226	2.91E+01	1.37E+01	2.73E+01	UI
FH	53	273217002	2/24/2011	Ru-103	-1.97E+00	4.74E+00	1.52E+01	U
FH	53	273217002	2/24/2011	Ru-106	6.87E+00	3.37E+01	1.10E+02	U
FH	53	273217002	2/24/2011	Sb-124	-6.42E+00	1.26E+01	3.90E+01	U
FH	53	273217002	2/24/2011	Sb-125	2.82E+00	7.54E+00	2.53E+01	U
FH	53	273217002	2/24/2011	Se-75	-2.36E+00	3.79E+00	1.18E+01	U
FH	53	273217002	2/24/2011	Th-228	1.15E+00	6.42E+00	1.50E+01	U
FH	53	273217002	2/24/2011	Th-230	2.91E+01	1.36E+01	2.73E+01	UI
FH	53	273217002	2/24/2011	Tl-208	2.82E+00	3.44E+00	1.13E+01	U
FH	53	273217002	2/24/2011	Zn-65	-5.27E+00	1.05E+01	3.28E+01	U
FH	53	273217002	2/24/2011	Zr-95	9.45E+00	7.93E+00	2.69E+01	U
FH	53	279317002	6/1/2011	Ac-228	2.40E+00	1.69E+01	5.65E+01	U
FH	53	279317002	6/1/2011	Ag-108m	1.58E-01	2.75E+00	9.14E+00	U
FH	53	279317002	6/1/2011	Ag-110m	-4.73E+00	4.02E+00	1.19E+01	U
FH	53	279317002	6/1/2011	Ba-140	1.65E+01	1.19E+01	4.48E+01	U
FH	53	279317002	6/1/2011	Be-7	1.62E+01	3.84E+01	1.29E+02	U
FH	53	279317002	6/1/2011	Bi-214	-1.84E+01	9.41E+00	2.40E+01	U
FH	53	279317002	6/1/2011	Ce-141	3.14E+00	9.20E+00	3.01E+01	U
FH	53	279317002	6/1/2011	Ce-144	-1.64E+01	2.33E+01	7.33E+01	U
FH	53	279317002	6/1/2011	Co-57	-2.13E-01	2.91E+00	9.47E+00	U
FH	53	279317002	6/1/2011	Co-58	9.14E-01	4.73E+00	1.56E+01	U
FH	53	279317002	6/1/2011	Co-60	1.74E+00	4.39E+00	1.50E+01	U
FH	53	279317002	6/1/2011	Cr-51	6.16E+01	5.30E+01	1.78E+02	U
FH	53	279317002	6/1/2011	Cs-134	-2.53E+00	4.62E+00	1.45E+01	U
FH	53	279317002	6/1/2011	Cs-137	2.02E+00	3.96E+00	1.33E+01	U
FH	53	279317002	6/1/2011	Fe-59	-2.80E+00	1.11E+01	3.51E+01	U
FH	53	279317002	6/1/2011	I-131	4.71E+00	3.33E+01	1.11E+02	U
FH	53	279317002	6/1/2011	K-40	3.55E+03	2.35E+02	8.08E+01	
FH	53	279317002	6/1/2011	La-140	1.65E+01	1.19E+01	4.48E+01	U
FH	53	279317002	6/1/2011	Mn-54	1.52E+00	3.73E+00	1.24E+01	U
FH	53	279317002	6/1/2011	Nb-95	-2.90E+00	4.90E+00	1.54E+01	U
FH	53	279317002	6/1/2011	Pb-212	1.77E+00	6.55E+00	2.18E+01	U
FH	53	279317002	6/1/2011	Pb-214	2.52E+00	8.40E+00	2.79E+01	U
FH	53	279317002	6/1/2011	Ra-226	-1.84E+01	9.41E+00	2.40E+01	U
FH	53	279317002	6/1/2011	Ru-103	4.50E+00	4.99E+00	1.69E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
FH	53	279317002	6/1/2011	Ru-106	-1.64E+01	3.19E+01	1.01E+02	U
FH	53	279317002	6/1/2011	Sb-124	6.96E+00	9.80E+00	3.45E+01	U
FH	53	279317002	6/1/2011	Sb-125	-5.73E+00	8.44E+00	2.67E+01	U
FH	53	279317002	6/1/2011	Se-75	-1.13E+00	5.07E+00	1.68E+01	U
FH	53	279317002	6/1/2011	Th-228	1.77E+00	6.55E+00	2.18E+01	U
FH	53	279317002	6/1/2011	Th-230	-1.84E+01	9.40E+00	2.40E+01	U
FH	53	279317002	6/1/2011	Tl-208	2.38E+00	3.44E+00	1.16E+01	U
FH	53	279317002	6/1/2011	Zn-65	-1.40E+01	1.09E+01	3.07E+01	U
FH	53	279317002	6/1/2011	Zr-95	1.04E+01	8.93E+00	3.00E+01	U
FH	53	285107002	8/24/2011	Ac-228	-1.25E+01	1.07E+01	2.90E+01	U
FH	53	285107002	8/24/2011	Ag-108m	-6.89E-01	1.30E+00	4.19E+00	U
FH	53	285107002	8/24/2011	Ag-110m	-4.66E+00	2.18E+00	5.51E+00	U
FH	53	285107002	8/24/2011	Ba-140	-5.31E+00	5.45E+00	1.61E+01	U
FH	53	285107002	8/24/2011	Be-7	-2.46E+00	1.75E+01	5.72E+01	U
FH	53	285107002	8/24/2011	Bi-214	2.25E+01	9.09E+00	1.63E+01	UI
FH	53	285107002	8/24/2011	Ce-141	2.94E+00	2.56E+00	8.34E+00	U
FH	53	285107002	8/24/2011	Ce-144	2.37E+00	6.94E+00	2.31E+01	U
FH	53	285107002	8/24/2011	Co-57	4.95E-01	9.00E-01	3.01E+00	U
FH	53	285107002	8/24/2011	Co-58	4.37E+00	2.29E+00	7.34E+00	U
FH	53	285107002	8/24/2011	Co-60	-5.41E-01	2.21E+00	7.29E+00	U
FH	53	285107002	8/24/2011	Cr-51	1.02E+01	1.79E+01	6.08E+01	U
FH	53	285107002	8/24/2011	Cs-134	1.04E+00	2.29E+00	7.72E+00	U
FH	53	285107002	8/24/2011	Cs-137	-3.03E-02	2.51E+00	6.57E+00	U
FH	53	285107002	8/24/2011	Fe-59	-9.30E+00	6.31E+00	1.81E+01	U
FH	53	285107002	8/24/2011	I-131	-2.19E+00	8.76E+00	2.91E+01	U
FH	53	285107002	8/24/2011	K-40	3.42E+03	1.70E+02	5.72E+01	
FH	53	285107002	8/24/2011	La-140	-5.31E+00	5.45E+00	1.61E+01	U
FH	53	285107002	8/24/2011	Mn-54	-9.65E-01	1.90E+00	6.16E+00	U
FH	53	285107002	8/24/2011	Nb-95	1.11E+00	2.05E+00	6.94E+00	U
FH	53	285107002	8/24/2011	Pb-212	-6.57E+00	3.48E+00	8.54E+00	U
FH	53	285107002	8/24/2011	Pb-214	1.48E+01	5.46E+00	1.03E+01	
FH	53	285107002	8/24/2011	Ra-226	2.25E+01	9.09E+00	1.63E+01	UI
FH	53	285107002	8/24/2011	Ru-103	1.88E+00	2.23E+00	7.33E+00	U
FH	53	285107002	8/24/2011	Ru-106	2.12E+01	1.72E+01	5.52E+01	U
FH	53	285107002	8/24/2011	Sb-124	1.12E+01	4.84E+00	1.60E+01	U
FH	53	285107002	8/24/2011	Sb-125	3.58E+00	4.09E+00	1.36E+01	U
FH	53	285107002	8/24/2011	Se-75	-5.36E+00	2.78E+00	5.79E+00	U
FH	53	285107002	8/24/2011	Th-228	-6.57E+00	3.48E+00	8.54E+00	U
FH	53	285107002	8/24/2011	Th-230	2.25E+01	9.07E+00	1.63E+01	UI
FH	53	285107002	8/24/2011	Tl-208	1.03E+00	2.70E+00	5.84E+00	U
FH	53	285107002	8/24/2011	Zn-65	-1.52E+01	6.57E+00	1.62E+01	U
FH	53	285107002	8/24/2011	Zr-95	-4.59E+00	3.85E+00	1.18E+01	U
FH	53	290636002	11/16/2011	Ac-228	-2.00E+00	8.45E+00	2.29E+01	U
FH	53	290636002	11/16/2011	Ag-108m	-5.86E-01	1.32E+00	4.31E+00	U
FH	53	290636002	11/16/2011	Ag-110m	8.21E-01	1.56E+00	5.16E+00	U
FH	53	290636002	11/16/2011	Ba-140	-4.60E+00	4.50E+00	1.36E+01	U
FH	53	290636002	11/16/2011	Be-7	-2.41E+00	1.51E+01	4.99E+01	U
FH	53	290636002	11/16/2011	Bi-214	1.31E+01	4.41E+00	1.14E+01	UI
FH	53	290636002	11/16/2011	Ce-141	1.14E+00	3.34E+00	1.09E+01	U
FH	53	290636002	11/16/2011	Ce-144	4.59E+00	9.64E+00	3.14E+01	U
FH	53	290636002	11/16/2011	Co-57	1.08E+00	1.30E+00	4.20E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
FH	53	290636002	11/16/2011	Co-58	-1.64E+00	1.86E+00	5.78E+00	U
FH	53	290636002	11/16/2011	Co-60	-7.58E-02	1.83E+00	6.10E+00	U
FH	53	290636002	11/16/2011	Cr-51	-4.13E+00	1.79E+01	5.95E+01	U
FH	53	290636002	11/16/2011	Cs-134	6.41E-01	1.94E+00	6.38E+00	U
FH	53	290636002	11/16/2011	Cs-137	2.04E+00	1.72E+00	5.61E+00	U
FH	53	290636002	11/16/2011	Fe-59	-1.11E+00	5.19E+00	1.67E+01	U
FH	53	290636002	11/16/2011	I-131	6.74E+00	7.94E+00	2.64E+01	U
FH	53	290636002	11/16/2011	K-40	3.66E+03	1.94E+02	4.51E+01	
FH	53	290636002	11/16/2011	La-140	-4.60E+00	4.50E+00	1.36E+01	U
FH	53	290636002	11/16/2011	Mn-54	-2.53E+00	1.78E+00	5.25E+00	U
FH	53	290636002	11/16/2011	Nb-95	2.32E+00	1.86E+00	6.06E+00	U
FH	53	290636002	11/16/2011	Pb-212	4.55E+00	5.59E+00	9.48E+00	U
FH	53	290636002	11/16/2011	Pb-214	6.66E+00	4.39E+00	1.18E+01	U
FH	53	290636002	11/16/2011	Ra-226	1.31E+01	4.41E+00	1.14E+01	UI
FH	53	290636002	11/16/2011	Ru-103	-5.55E+00	2.33E+00	5.86E+00	U
FH	53	290636002	11/16/2011	Ru-106	3.30E+01	1.55E+01	4.70E+01	U
FH	53	290636002	11/16/2011	Sb-124	-6.18E+00	4.08E+00	1.14E+01	U
FH	53	290636002	11/16/2011	Sb-125	1.26E+00	4.09E+00	1.36E+01	U
FH	53	290636002	11/16/2011	Se-75	-1.63E+00	2.15E+00	6.98E+00	U
FH	53	290636002	11/16/2011	Th-228	4.55E+00	5.59E+00	9.48E+00	U
FH	53	290636002	11/16/2011	Th-230	1.31E+01	4.39E+00	1.14E+01	UI
FH	53	290636002	11/16/2011	Tl-208	7.86E-01	1.95E+00	5.51E+00	U
FH	53	290636002	11/16/2011	Zn-65	-1.13E+01	5.57E+00	1.41E+01	U
FH	53	290636002	11/16/2011	Zr-95	5.93E-01	3.36E+00	1.11E+01	U
HA	04	279318001	5/26/2011	Ac-228	-6.90E+00	1.42E+01	4.47E+01	U
HA	04	279318001	5/26/2011	Ag-108m	6.61E-01	2.39E+00	7.83E+00	U
HA	04	279318001	5/26/2011	Ag-110m	-4.77E+00	3.04E+00	8.28E+00	U
HA	04	279318001	5/26/2011	Ba-140	-2.61E+01	2.26E+01	6.03E+01	U
HA	04	279318001	5/26/2011	Be-7	1.11E+01	2.88E+01	9.47E+01	U
HA	04	279318001	5/26/2011	Bi-214	-1.38E+01	8.16E+00	2.07E+01	U
HA	04	279318001	5/26/2011	Ce-141	-2.65E+00	7.36E+00	2.32E+01	U
HA	04	279318001	5/26/2011	Ce-144	-5.48E+00	1.59E+01	5.02E+01	U
HA	04	279318001	5/26/2011	Co-57	2.28E+00	2.10E+00	6.86E+00	U
HA	04	279318001	5/26/2011	Co-58	3.47E-01	4.23E+00	1.39E+01	U
HA	04	279318001	5/26/2011	Co-60	-2.55E+00	3.26E+00	9.67E+00	U
HA	04	279318001	5/26/2011	Cr-51	4.48E+01	4.54E+01	1.53E+02	U
HA	04	279318001	5/26/2011	Cs-134	2.20E+00	3.62E+00	1.23E+01	U
HA	04	279318001	5/26/2011	Cs-137	-9.88E-01	3.26E+00	1.07E+01	U
HA	04	279318001	5/26/2011	Fe-59	-1.38E+01	1.05E+01	2.97E+01	U
HA	04	279318001	5/26/2011	I-131	-1.05E-01	4.20E+01	1.37E+02	U
HA	04	279318001	5/26/2011	K-40	2.32E+03	1.66E+02	5.48E+01	
HA	04	279318001	5/26/2011	La-140	-2.61E+01	2.26E+01	6.03E+01	U
HA	04	279318001	5/26/2011	Mn-54	-2.28E-02	3.10E+00	1.01E+01	U
HA	04	279318001	5/26/2011	Nb-95	1.52E+01	5.67E+00	1.73E+01	U
HA	04	279318001	5/26/2011	Pb-212	-1.00E+01	5.70E+00	1.60E+01	U
HA	04	279318001	5/26/2011	Pb-214	-8.13E+00	6.88E+00	1.99E+01	U
HA	04	279318001	5/26/2011	Ra-226	-1.38E+01	8.16E+00	2.07E+01	U
HA	04	279318001	5/26/2011	Ru-103	-5.92E+00	4.75E+00	1.32E+01	U
HA	04	279318001	5/26/2011	Ru-106	-8.97E+00	2.64E+01	8.59E+01	U
HA	04	279318001	5/26/2011	Sb-124	-6.51E+00	7.29E+00	2.04E+01	U
HA	04	279318001	5/26/2011	Sb-125	-6.36E+00	7.39E+00	2.21E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
HA	04	279318001	5/26/2011	Se-75	4.50E+00	4.00E+00	1.35E+01	U
HA	04	279318001	5/26/2011	Th-228	-1.00E+01	5.70E+00	1.60E+01	U
HA	04	279318001	5/26/2011	Th-230	-1.38E+01	8.16E+00	2.07E+01	U
HA	04	279318001	5/26/2011	Tl-208	6.76E-01	3.01E+00	1.02E+01	U
HA	04	279318001	5/26/2011	Zn-65	-2.50E+00	7.36E+00	2.39E+01	U
HA	04	279318001	5/26/2011	Zr-95	-9.12E+00	7.21E+00	2.03E+01	U
HA	04	290633001	11/15/2011	Ac-228	1.12E+01	1.56E+01	4.15E+01	U
HA	04	290633001	11/15/2011	Ag-108m	2.15E+00	2.32E+00	7.76E+00	U
HA	04	290633001	11/15/2011	Ag-110m	-5.04E-01	2.80E+00	8.96E+00	U
HA	04	290633001	11/15/2011	Ba-140	-2.95E+01	1.62E+01	3.04E+01	U
HA	04	290633001	11/15/2011	Be-7	-1.39E+01	2.72E+01	8.80E+01	U
HA	04	290633001	11/15/2011	Bi-214	-1.86E+00	7.72E+00	2.14E+01	U
HA	04	290633001	11/15/2011	Ce-141	-1.89E+01	6.85E+00	1.61E+01	U
HA	04	290633001	11/15/2011	Ce-144	-3.18E+00	1.43E+01	4.74E+01	U
HA	04	290633001	11/15/2011	Co-57	-5.32E-01	1.84E+00	6.13E+00	U
HA	04	290633001	11/15/2011	Co-58	-1.11E+01	5.41E+00	8.38E+00	U
HA	04	290633001	11/15/2011	Co-60	-2.61E+00	2.92E+00	8.64E+00	U
HA	04	290633001	11/15/2011	Cr-51	-1.69E+01	3.30E+01	1.10E+02	U
HA	04	290633001	11/15/2011	Cs-134	-1.67E+00	5.31E+00	1.10E+01	U
HA	04	290633001	11/15/2011	Cs-137	2.72E+00	3.06E+00	9.97E+00	U
HA	04	290633001	11/15/2011	Fe-59	-1.59E+00	7.39E+00	2.39E+01	U
HA	04	290633001	11/15/2011	I-131	3.04E+00	1.56E+01	5.28E+01	U
HA	04	290633001	11/15/2011	K-40	2.03E+03	1.48E+02	8.81E+01	
HA	04	290633001	11/15/2011	La-140	-2.95E+01	1.61E+01	3.04E+01	U
HA	04	290633001	11/15/2011	Mn-54	4.05E+00	3.01E+00	1.01E+01	U
HA	04	290633001	11/15/2011	Nb-95	-1.27E+00	3.23E+00	1.07E+01	U
HA	04	290633001	11/15/2011	Pb-212	4.51E+00	8.08E+00	1.80E+01	U
HA	04	290633001	11/15/2011	Pb-214	8.07E+00	1.03E+01	2.19E+01	U
HA	04	290633001	11/15/2011	Ra-226	-1.86E+00	7.72E+00	2.14E+01	U
HA	04	290633001	11/15/2011	Ru-103	-2.64E+00	3.38E+00	1.07E+01	U
HA	04	290633001	11/15/2011	Ru-106	8.98E+00	2.47E+01	8.10E+01	U
HA	04	290633001	11/15/2011	Sb-124	-2.53E+00	6.52E+00	2.08E+01	U
HA	04	290633001	11/15/2011	Sb-125	-2.12E+00	6.65E+00	2.19E+01	U
HA	04	290633001	11/15/2011	Se-75	-3.31E+00	3.80E+00	1.17E+01	U
HA	04	290633001	11/15/2011	Th-228	4.51E+00	8.08E+00	1.80E+01	U
HA	04	290633001	11/15/2011	Th-230	-1.86E+00	7.72E+00	2.14E+01	U
HA	04	290633001	11/15/2011	Tl-208	-4.49E+00	4.59E+00	1.12E+01	U
HA	04	290633001	11/15/2011	Zn-65	-3.82E+00	7.11E+00	2.25E+01	U
HA	04	290633001	11/15/2011	Zr-95	-4.06E-01	5.72E+00	1.93E+01	U
HA	54	279318002	5/25/2011	Ac-228	-2.96E+01	2.01E+01	4.63E+01	U
HA	54	279318002	5/25/2011	Ag-108m	2.71E-01	2.55E+00	8.19E+00	U
HA	54	279318002	5/25/2011	Ag-110m	-1.29E+00	3.09E+00	1.00E+01	U
HA	54	279318002	5/25/2011	Ba-140	-2.64E+01	2.36E+01	6.92E+01	U
HA	54	279318002	5/25/2011	Be-7	1.14E+00	3.65E+01	1.23E+02	U
HA	54	279318002	5/25/2011	Bi-214	1.15E+01	1.20E+01	2.41E+01	U
HA	54	279318002	5/25/2011	Ce-141	-1.47E+01	1.04E+01	2.40E+01	U
HA	54	279318002	5/25/2011	Ce-144	1.01E+01	1.56E+01	5.22E+01	U
HA	54	279318002	5/25/2011	Co-57	2.81E+00	2.00E+00	6.51E+00	U
HA	54	279318002	5/25/2011	Co-58	-1.51E+00	3.96E+00	1.27E+01	U
HA	54	279318002	5/25/2011	Co-60	-3.56E+00	3.41E+00	1.04E+01	U
HA	54	279318002	5/25/2011	Cr-51	7.42E+01	5.23E+01	1.66E+02	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
HA	54	279318002	5/25/2011	Cs-134	-3.61E+00	3.86E+00	1.19E+01	U
HA	54	279318002	5/25/2011	Cs-137	-4.33E-02	3.14E+00	1.04E+01	U
HA	54	279318002	5/25/2011	Fe-59	4.74E+00	9.17E+00	3.12E+01	U
HA	54	279318002	5/25/2011	I-131	-1.44E+01	5.25E+01	1.68E+02	U
HA	54	279318002	5/25/2011	K-40	1.84E+03	1.35E+02	9.50E+01	
HA	54	279318002	5/25/2011	La-140	-2.64E+01	2.35E+01	6.92E+01	U
HA	54	279318002	5/25/2011	Mn-54	2.41E+00	3.48E+00	1.15E+01	U
HA	54	279318002	5/25/2011	Nb-95	-3.55E+00	4.30E+00	1.34E+01	U
HA	54	279318002	5/25/2011	Pb-212	9.96E+00	9.73E+00	1.75E+01	U
HA	54	279318002	5/25/2011	Pb-214	-2.65E+01	1.20E+01	2.15E+01	U
HA	54	279318002	5/25/2011	Ra-226	1.15E+01	1.20E+01	2.41E+01	U
HA	54	279318002	5/25/2011	Ru-103	1.70E+00	4.70E+00	1.59E+01	U
HA	54	279318002	5/25/2011	Ru-106	1.39E+01	2.89E+01	9.67E+01	U
HA	54	279318002	5/25/2011	Sb-124	5.99E+00	1.05E+01	3.49E+01	U
HA	54	279318002	5/25/2011	Sb-125	1.73E+01	8.83E+00	2.67E+01	U
HA	54	279318002	5/25/2011	Se-75	-2.06E+00	3.98E+00	1.28E+01	U
HA	54	279318002	5/25/2011	Th-228	9.96E+00	9.73E+00	1.75E+01	U
HA	54	279318002	5/25/2011	Th-230	1.15E+01	1.20E+01	2.41E+01	U
HA	54	279318002	5/25/2011	Tl-208	3.21E+00	4.43E+00	1.14E+01	U
HA	54	279318002	5/25/2011	Zn-65	-8.68E+00	7.84E+00	2.43E+01	U
HA	54	279318002	5/25/2011	Zr-95	1.52E+00	7.57E+00	2.50E+01	U
HA	54	290633002	11/16/2011	Ac-228	-1.37E+01	2.27E+01	4.61E+01	U
HA	54	290633002	11/16/2011	Ag-108m	-2.10E+00	2.52E+00	8.01E+00	U
HA	54	290633002	11/16/2011	Ag-110m	-3.61E+01	9.28E+00	9.47E+00	U
HA	54	290633002	11/16/2011	Ba-140	-2.45E+00	1.02E+01	3.28E+01	U
HA	54	290633002	11/16/2011	Be-7	1.29E+01	2.98E+01	9.88E+01	U
HA	54	290633002	11/16/2011	Bi-214	-8.81E+00	9.28E+00	2.26E+01	U
HA	54	290633002	11/16/2011	Ce-141	-1.69E+00	4.58E+00	1.51E+01	U
HA	54	290633002	11/16/2011	Ce-144	-2.62E+00	1.22E+01	4.06E+01	U
HA	54	290633002	11/16/2011	Co-57	-6.72E-01	1.56E+00	5.21E+00	U
HA	54	290633002	11/16/2011	Co-58	-7.64E-01	3.76E+00	1.24E+01	U
HA	54	290633002	11/16/2011	Co-60	-4.18E-01	3.66E+00	1.21E+01	U
HA	54	290633002	11/16/2011	Cr-51	-2.94E+01	3.42E+01	1.11E+02	U
HA	54	290633002	11/16/2011	Cs-134	-7.01E-01	3.86E+00	1.27E+01	U
HA	54	290633002	11/16/2011	Cs-137	-1.69E+00	5.99E+00	1.76E+01	U
HA	54	290633002	11/16/2011	Fe-59	2.20E+00	9.07E+00	2.95E+01	U
HA	54	290633002	11/16/2011	I-131	-8.18E-01	1.37E+01	4.61E+01	U
HA	54	290633002	11/16/2011	K-40	2.27E+03	1.51E+02	9.30E+01	
HA	54	290633002	11/16/2011	La-140	-2.45E+00	1.02E+01	3.28E+01	U
HA	54	290633002	11/16/2011	Mn-54	-1.16E+00	2.96E+00	9.62E+00	U
HA	54	290633002	11/16/2011	Nb-95	5.37E+00	3.65E+00	1.21E+01	U
HA	54	290633002	11/16/2011	Pb-212	-6.76E+00	6.16E+00	1.61E+01	U
HA	54	290633002	11/16/2011	Pb-214	-2.64E+00	9.47E+00	2.17E+01	U
HA	54	290633002	11/16/2011	Ra-226	-8.81E+00	9.28E+00	2.26E+01	U
HA	54	290633002	11/16/2011	Ru-103	-1.36E+00	4.86E+00	1.25E+01	U
HA	54	290633002	11/16/2011	Ru-106	-1.56E+01	2.80E+01	8.72E+01	U
HA	54	290633002	11/16/2011	Sb-124	-1.01E+01	8.49E+00	2.40E+01	U
HA	54	290633002	11/16/2011	Sb-125	-3.77E+00	7.42E+00	2.41E+01	U
HA	54	290633002	11/16/2011	Se-75	-1.44E+00	3.65E+00	1.15E+01	U
HA	54	290633002	11/16/2011	Th-228	-6.76E+00	6.16E+00	1.61E+01	U
HA	54	290633002	11/16/2011	Th-230	-8.81E+00	9.28E+00	2.26E+01	U

Seabrook REMP Summary of 2011 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
HA	54	290633002	11/16/2011	Tl-208	-4.48E+00	4.28E+00	1.05E+01	U
HA	54	290633002	11/16/2011	Zn-65	6.55E+00	7.27E+00	2.39E+01	U
HA	54	290633002	11/16/2011	Zr-95	6.14E+00	6.75E+00	2.27E+01	U

Seabrook REMP Summary of 2011 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
MS	06	279332004	6/1/2011	Sr-89	-1.93E+02	1.04E+02	2.87E+02	U
MS	06	279332004	6/1/2011	Sr-90	-5.51E+01	6.94E+01	2.44E+02	U
MS	06	290634004	11/16/2011	Sr-89	8.47E+01	7.82E+01	1.36E+02	U
MS	06	290634004	11/16/2011	Sr-90	1.32E+01	5.19E+01	1.68E+02	U
MS	56	279332005	6/1/2011	Sr-89	-7.52E+01	1.27E+02	2.65E+02	U
MS	56	279332005	6/1/2011	Sr-90	1.13E+02	8.71E+01	2.74E+02	U
MS	56	290634005	11/16/2011	Sr-89	-9.60E+01	6.73E+01	1.78E+02	U
MS	56	290634005	11/16/2011	Sr-90	1.02E+00	4.17E+01	1.37E+02	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
MU	06	279332001	6/1/2011	Ac-228	5.48E+00	1.45E+01	4.86E+01	U
MU	06	279332001	6/1/2011	Ag-108m	1.44E+00	2.99E+00	9.94E+00	U
MU	06	279332001	6/1/2011	Ag-110m	5.47E-01	3.23E+00	1.09E+01	U
MU	06	279332001	6/1/2011	Ba-140	4.50E+00	1.71E+01	5.78E+01	U
MU	06	279332001	6/1/2011	Be-7	7.55E+00	3.81E+01	1.24E+02	U
MU	06	279332001	6/1/2011	Bi-214	5.59E+00	8.04E+00	2.86E+01	U
MU	06	279332001	6/1/2011	Ce-141	-4.95E+00	7.80E+00	2.33E+01	U
MU	06	279332001	6/1/2011	Ce-144	1.48E+01	1.86E+01	6.07E+01	U
MU	06	279332001	6/1/2011	Co-57	-6.17E+00	2.90E+00	6.93E+00	U
MU	06	279332001	6/1/2011	Co-58	8.44E-01	4.86E+00	1.62E+01	U
MU	06	279332001	6/1/2011	Co-60	7.36E-01	4.00E+00	1.35E+01	U
MU	06	279332001	6/1/2011	Cr-51	3.51E+01	4.58E+01	1.56E+02	U
MU	06	279332001	6/1/2011	Cs-134	4.47E-01	4.12E+00	1.37E+01	U
MU	06	279332001	6/1/2011	Cs-137	5.17E+00	3.53E+00	1.25E+01	U
MU	06	279332001	6/1/2011	Fe-59	-1.76E+00	1.16E+01	3.84E+01	U
MU	06	279332001	6/1/2011	I-131	-6.84E+01	3.90E+01	9.87E+01	U
MU	06	279332001	6/1/2011	K-40	1.05E+03	1.35E+02	1.31E+02	
MU	06	279332001	6/1/2011	La-140	4.50E+00	1.71E+01	5.78E+01	U
MU	06	279332001	6/1/2011	Mn-54	2.97E+00	4.32E+00	1.47E+01	U
MU	06	279332001	6/1/2011	Nb-95	7.59E+00	3.89E+00	1.41E+01	U
MU	06	279332001	6/1/2011	Pb-212	-4.90E+00	6.14E+00	1.96E+01	U
MU	06	279332001	6/1/2011	Pb-214	9.69E+00	8.45E+00	2.33E+01	U
MU	06	279332001	6/1/2011	Ra-226	5.59E+00	8.04E+00	2.86E+01	U
MU	06	279332001	6/1/2011	Ru-103	-1.35E+01	5.85E+00	1.14E+01	U
MU	06	279332001	6/1/2011	Ru-106	-3.50E+00	3.01E+01	9.95E+01	U
MU	06	279332001	6/1/2011	Sb-124	-7.44E+00	1.11E+01	3.09E+01	U
MU	06	279332001	6/1/2011	Sb-125	-6.18E+00	9.39E+00	2.85E+01	U
MU	06	279332001	6/1/2011	Se-75	-6.98E+00	4.95E+00	1.37E+01	U
MU	06	279332001	6/1/2011	Th-228	-4.90E+00	6.14E+00	1.96E+01	U
MU	06	279332001	6/1/2011	Th-230	5.59E+00	8.04E+00	2.86E+01	U
MU	06	279332001	6/1/2011	Tl-208	6.99E-01	4.07E+00	1.43E+01	U
MU	06	279332001	6/1/2011	Zn-65	-1.26E+01	9.72E+00	2.67E+01	U
MU	06	279332001	6/1/2011	Zr-95	1.43E+00	8.44E+00	2.82E+01	U
MU	06	290634001	11/16/2011	Ac-228	6.38E+00	7.48E+00	1.51E+01	U
MU	06	290634001	11/16/2011	Ag-108m	6.25E-03	1.06E+00	3.49E+00	U
MU	06	290634001	11/16/2011	Ag-110m	-2.02E-01	1.26E+00	3.68E+00	U
MU	06	290634001	11/16/2011	Ba-140	-6.49E+00	3.97E+00	1.06E+01	U
MU	06	290634001	11/16/2011	Be-7	3.15E+01	1.46E+01	4.42E+01	U
MU	06	290634001	11/16/2011	Bi-214	-5.12E+00	4.44E+00	1.02E+01	U
MU	06	290634001	11/16/2011	Ce-141	-7.82E+00	3.54E+00	7.96E+00	U
MU	06	290634001	11/16/2011	Ce-144	1.80E+00	6.95E+00	2.28E+01	U
MU	06	290634001	11/16/2011	Co-57	-1.35E+00	1.17E+00	2.91E+00	U
MU	06	290634001	11/16/2011	Co-58	-1.80E+00	1.38E+00	4.13E+00	U
MU	06	290634001	11/16/2011	Co-60	1.85E+00	1.49E+00	5.03E+00	U
MU	06	290634001	11/16/2011	Cr-51	2.41E-01	1.48E+01	4.98E+01	U
MU	06	290634001	11/16/2011	Cs-134	3.02E-01	1.43E+00	4.81E+00	U
MU	06	290634001	11/16/2011	Cs-137	3.08E+00	2.18E+00	3.96E+00	U
MU	06	290634001	11/16/2011	Fe-59	2.27E+00	3.38E+00	1.12E+01	U
MU	06	290634001	11/16/2011	I-131	6.91E-01	6.35E+00	2.12E+01	U
MU	06	290634001	11/16/2011	K-40	1.08E+03	6.69E+01	4.06E+01	
MU	06	290634001	11/16/2011	La-140	-6.49E+00	3.96E+00	1.06E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
MU	06	290634001	11/16/2011	Mn-54	-1.86E+00	1.34E+00	3.97E+00	U
MU	06	290634001	11/16/2011	Nb-95	2.06E+00	1.39E+00	4.62E+00	U
MU	06	290634001	11/16/2011	Pb-212	1.48E+00	3.33E+00	8.00E+00	U
MU	06	290634001	11/16/2011	Pb-214	3.15E+00	3.33E+00	9.48E+00	U
MU	06	290634001	11/16/2011	Ra-226	-5.12E+00	4.44E+00	1.02E+01	U
MU	06	290634001	11/16/2011	Ru-103	-9.24E-01	1.55E+00	4.91E+00	U
MU	06	290634001	11/16/2011	Ru-106	-7.75E+00	1.21E+01	3.76E+01	U
MU	06	290634001	11/16/2011	Sb-124	4.14E+00	3.02E+00	1.04E+01	U
MU	06	290634001	11/16/2011	Sb-125	1.27E+00	3.17E+00	1.05E+01	U
MU	06	290634001	11/16/2011	Se-75	-1.12E-01	1.57E+00	5.30E+00	U
MU	06	290634001	11/16/2011	Th-228	1.48E+00	3.33E+00	8.00E+00	U
MU	06	290634001	11/16/2011	Th-230	-5.12E+00	4.44E+00	1.02E+01	U
MU	06	290634001	11/16/2011	Tl-208	2.08E+00	2.72E+00	3.96E+00	U
MU	06	290634001	11/16/2011	Zn-65	-1.85E+00	2.80E+00	8.68E+00	U
MU	06	290634001	11/16/2011	Zr-95	1.29E+00	2.38E+00	8.07E+00	U
MU	09	279331001	5/24/2011	Ac-228	5.89E+00	1.24E+01	3.81E+01	U
MU	09	279331001	5/24/2011	Ag-108m	-1.19E+00	1.95E+00	5.99E+00	U
MU	09	279331001	5/24/2011	Ag-110m	-4.43E+00	2.51E+00	6.57E+00	U
MU	09	279331001	5/24/2011	Ba-140	2.11E+00	2.01E+01	6.75E+01	U
MU	09	279331001	5/24/2011	Be-7	-1.48E+01	2.91E+01	9.01E+01	U
MU	09	279331001	5/24/2011	Bi-214	1.24E+01	9.57E+00	1.99E+01	U
MU	09	279331001	5/24/2011	Ce-141	-9.10E+00	6.99E+00	2.09E+01	U
MU	09	279331001	5/24/2011	Ce-144	-2.06E+01	1.35E+01	3.98E+01	U
MU	09	279331001	5/24/2011	Co-57	-6.70E-01	1.78E+00	5.93E+00	U
MU	09	279331001	5/24/2011	Co-58	5.54E+00	3.10E+00	1.07E+01	U
MU	09	279331001	5/24/2011	Co-60	1.17E+00	2.52E+00	8.48E+00	U
MU	09	279331001	5/24/2011	Cr-51	-2.08E+01	3.98E+01	1.26E+02	U
MU	09	279331001	5/24/2011	Cs-134	1.91E+00	2.87E+00	9.88E+00	U
MU	09	279331001	5/24/2011	Cs-137	5.95E-01	2.25E+00	7.66E+00	U
MU	09	279331001	5/24/2011	Fe-59	1.59E+01	9.02E+00	3.09E+01	U
MU	09	279331001	5/24/2011	I-131	-1.15E+00	4.12E+01	1.34E+02	U
MU	09	279331001	5/24/2011	K-40	1.27E+03	1.05E+02	4.06E+01	
MU	09	279331001	5/24/2011	La-140	2.11E+00	2.01E+01	6.75E+01	U
MU	09	279331001	5/24/2011	Mn-54	3.66E+00	2.79E+00	9.59E+00	U
MU	09	279331001	5/24/2011	Nb-95	3.51E+00	3.00E+00	1.05E+01	U
MU	09	279331001	5/24/2011	Pb-212	1.45E+00	6.14E+00	1.54E+01	U
MU	09	279331001	5/24/2011	Pb-214	1.18E+01	6.48E+00	2.04E+01	U
MU	09	279331001	5/24/2011	Ra-226	1.24E+01	9.57E+00	1.99E+01	U
MU	09	279331001	5/24/2011	Ru-103	2.08E+00	3.41E+00	1.13E+01	U
MU	09	279331001	5/24/2011	Ru-106	1.33E+01	1.98E+01	6.86E+01	U
MU	09	279331001	5/24/2011	Sb-124	1.98E+01	8.61E+00	3.15E+01	U
MU	09	279331001	5/24/2011	Sb-125	5.17E+00	6.45E+00	2.15E+01	U
MU	09	279331001	5/24/2011	Se-75	-1.90E+00	3.66E+00	1.17E+01	U
MU	09	279331001	5/24/2011	Th-228	1.45E+00	6.14E+00	1.54E+01	U
MU	09	279331001	5/24/2011	Th-230	1.24E+01	9.57E+00	1.99E+01	U
MU	09	279331001	5/24/2011	Tl-208	3.19E+00	2.90E+00	9.86E+00	U
MU	09	279331001	5/24/2011	Zn-65	-8.87E+00	7.37E+00	2.08E+01	U
MU	09	279331001	5/24/2011	Zr-95	7.07E+00	5.90E+00	2.05E+01	U
MU	09	290632001	11/15/2011	Ac-228	-3.84E+01	2.36E+01	5.18E+01	U
MU	09	290632001	11/15/2011	Ag-108m	9.23E+00	3.95E+00	1.16E+01	U
MU	09	290632001	11/15/2011	Ag-110m	-8.69E+00	4.44E+00	1.21E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
MU	09	290632001	11/15/2011	Ba-140	-2.17E+01	1.46E+01	3.92E+01	U
MU	09	290632001	11/15/2011	Be-7	-2.16E+01	4.11E+01	1.29E+02	U
MU	09	290632001	11/15/2011	Bi-214	-1.04E+01	1.15E+01	2.93E+01	U
MU	09	290632001	11/15/2011	Ce-141	1.81E+00	7.32E+00	2.36E+01	U
MU	09	290632001	11/15/2011	Ce-144	-9.38E+00	2.03E+01	6.43E+01	U
MU	09	290632001	11/15/2011	Co-57	2.70E+00	2.62E+00	8.44E+00	U
MU	09	290632001	11/15/2011	Co-58	3.01E+00	4.50E+00	1.49E+01	U
MU	09	290632001	11/15/2011	Co-60	-1.56E+00	4.12E+00	1.32E+01	U
MU	09	290632001	11/15/2011	Cr-51	2.69E+01	4.89E+01	1.62E+02	U
MU	09	290632001	11/15/2011	Cs-134	-3.07E+00	4.71E+00	1.48E+01	U
MU	09	290632001	11/15/2011	Cs-137	-7.80E+00	6.42E+00	1.55E+01	U
MU	09	290632001	11/15/2011	Fe-59	1.33E+01	1.04E+01	3.51E+01	U
MU	09	290632001	11/15/2011	I-131	-1.01E+01	2.91E+01	7.36E+01	U
MU	09	290632001	11/15/2011	K-40	1.14E+03	1.24E+02	1.37E+02	
MU	09	290632001	11/15/2011	La-140	-2.17E+01	1.46E+01	3.92E+01	U
MU	09	290632001	11/15/2011	Mn-54	-1.18E+00	4.17E+00	1.34E+01	U
MU	09	290632001	11/15/2011	Nb-95	-6.77E+00	5.04E+00	1.49E+01	U
MU	09	290632001	11/15/2011	Pb-212	5.90E+00	1.05E+01	2.03E+01	U
MU	09	290632001	11/15/2011	Pb-214	6.79E+00	1.13E+01	3.00E+01	U
MU	09	290632001	11/15/2011	Ra-226	-1.04E+01	1.15E+01	2.93E+01	U
MU	09	290632001	11/15/2011	Ru-103	-3.65E+00	5.13E+00	1.58E+01	U
MU	09	290632001	11/15/2011	Ru-106	-3.21E+01	3.78E+01	1.20E+02	U
MU	09	290632001	11/15/2011	Sb-124	-2.56E+01	2.26E+01	3.43E+01	U
MU	09	290632001	11/15/2011	Sb-125	9.10E+00	1.01E+01	3.28E+01	U
MU	09	290632001	11/15/2011	Se-75	-5.01E+00	4.88E+00	1.54E+01	U
MU	09	290632001	11/15/2011	Th-228	5.90E+00	1.05E+01	2.03E+01	U
MU	09	290632001	11/15/2011	Th-230	-1.04E+01	1.15E+01	2.93E+01	U
MU	09	290632001	11/15/2011	Tl-208	-3.98E+00	5.62E+00	1.53E+01	U
MU	09	290632001	11/15/2011	Zn-65	-1.03E+00	9.20E+00	3.05E+01	U
MU	09	290632001	11/15/2011	Zr-95	1.60E+01	8.98E+00	2.88E+01	U
MU	56	279332002	6/1/2011	Ac-228	1.46E+01	1.12E+01	3.77E+01	U
MU	56	279332002	6/1/2011	Ag-108m	-2.92E+00	1.94E+00	5.54E+00	U
MU	56	279332002	6/1/2011	Ag-110m	-3.24E+00	2.66E+00	7.72E+00	U
MU	56	279332002	6/1/2011	Ba-140	5.09E+00	1.24E+01	4.22E+01	U
MU	56	279332002	6/1/2011	Be-7	3.42E+01	2.84E+01	9.67E+01	U
MU	56	279332002	6/1/2011	Bi-214	1.59E+01	8.63E+00	2.04E+01	U
MU	56	279332002	6/1/2011	Ce-141	5.65E-01	4.96E+00	1.65E+01	U
MU	56	279332002	6/1/2011	Ce-144	1.49E+01	1.43E+01	4.77E+01	U
MU	56	279332002	6/1/2011	Co-57	9.57E-02	1.68E+00	5.61E+00	U
MU	56	279332002	6/1/2011	Co-58	-2.46E+00	2.73E+00	8.00E+00	U
MU	56	279332002	6/1/2011	Co-60	4.00E+00	2.77E+00	9.87E+00	U
MU	56	279332002	6/1/2011	Cr-51	-2.87E+01	3.22E+01	9.59E+01	U
MU	56	279332002	6/1/2011	Cs-134	3.85E+00	3.39E+00	1.15E+01	U
MU	56	279332002	6/1/2011	Cs-137	4.62E+00	2.70E+00	9.12E+00	U
MU	56	279332002	6/1/2011	Fe-59	-3.74E+00	7.56E+00	2.43E+01	U
MU	56	279332002	6/1/2011	I-131	1.41E+01	2.30E+01	7.53E+01	U
MU	56	279332002	6/1/2011	K-40	1.50E+03	1.18E+02	5.50E+01	
MU	56	279332002	6/1/2011	La-140	5.09E+00	1.24E+01	4.22E+01	U
MU	56	279332002	6/1/2011	Mn-54	3.62E-01	2.36E+00	7.78E+00	U
MU	56	279332002	6/1/2011	Nb-95	8.10E-01	3.22E+00	1.07E+01	U
MU	56	279332002	6/1/2011	Pb-212	7.91E+00	8.15E+00	1.63E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
MU	56	279332002	6/1/2011	Pb-214	9.00E+00	5.89E+00	1.87E+01	U
MU	56	279332002	6/1/2011	Ra-226	1.59E+01	8.63E+00	2.04E+01	U
MU	56	279332002	6/1/2011	Ru-103	2.33E+00	3.50E+00	1.20E+01	U
MU	56	279332002	6/1/2011	Ru-106	9.87E-01	1.95E+01	6.47E+01	U
MU	56	279332002	6/1/2011	Sb-124	-8.21E-01	8.58E+00	2.71E+01	U
MU	56	279332002	6/1/2011	Sb-125	1.12E+00	6.02E+00	2.04E+01	U
MU	56	279332002	6/1/2011	Se-75	1.34E+00	3.11E+00	1.02E+01	U
MU	56	279332002	6/1/2011	Th-228	7.91E+00	8.15E+00	1.63E+01	U
MU	56	279332002	6/1/2011	Th-230	1.59E+01	8.62E+00	2.04E+01	U
MU	56	279332002	6/1/2011	Tl-208	5.40E+00	2.98E+00	9.60E+00	U
MU	56	279332002	6/1/2011	Zn-65	7.88E+00	7.51E+00	2.60E+01	U
MU	56	279332002	6/1/2011	Zr-95	2.66E+00	5.14E+00	1.74E+01	U
MU	56	290634002	11/16/2011	Ac-228	1.47E+01	1.03E+01	2.34E+01	U
MU	56	290634002	11/16/2011	Ag-108m	-2.01E-01	1.20E+00	3.90E+00	U
MU	56	290634002	11/16/2011	Ag-110m	-4.88E-01	2.08E+00	5.19E+00	U
MU	56	290634002	11/16/2011	Ba-140	1.21E+00	4.20E+00	1.41E+01	U
MU	56	290634002	11/16/2011	Be-7	8.25E+01	2.45E+01	4.37E+01	
MU	56	290634002	11/16/2011	Bi-214	1.05E+01	5.40E+00	9.80E+00	UI
MU	56	290634002	11/16/2011	Ce-141	9.61E-01	3.73E+00	9.72E+00	U
MU	56	290634002	11/16/2011	Ce-144	-3.18E+00	8.44E+00	2.69E+01	U
MU	56	290634002	11/16/2011	Co-57	-3.48E-01	1.13E+00	3.62E+00	U
MU	56	290634002	11/16/2011	Co-58	2.97E+00	1.78E+00	5.79E+00	U
MU	56	290634002	11/16/2011	Co-60	4.89E-01	2.36E+00	5.88E+00	U
MU	56	290634002	11/16/2011	Cr-51	-1.51E+01	1.79E+01	5.71E+01	U
MU	56	290634002	11/16/2011	Cs-134	2.68E+00	1.86E+00	6.12E+00	U
MU	56	290634002	11/16/2011	Cs-137	-4.39E+00	2.48E+00	5.61E+00	U
MU	56	290634002	11/16/2011	Fe-59	-2.92E+00	3.99E+00	1.24E+01	U
MU	56	290634002	11/16/2011	I-131	-2.90E+00	7.85E+00	2.56E+01	U
MU	56	290634002	11/16/2011	K-40	1.31E+03	7.80E+01	4.45E+01	
MU	56	290634002	11/16/2011	La-140	1.21E+00	4.20E+00	1.41E+01	U
MU	56	290634002	11/16/2011	Mn-54	-8.84E-01	1.47E+00	4.71E+00	U
MU	56	290634002	11/16/2011	Nb-95	3.22E+00	1.93E+00	6.24E+00	U
MU	56	290634002	11/16/2011	Pb-212	1.04E+01	5.22E+00	9.62E+00	UI
MU	56	290634002	11/16/2011	Pb-214	2.70E+00	5.36E+00	1.16E+01	U
MU	56	290634002	11/16/2011	Ra-226	1.05E+01	5.40E+00	9.80E+00	UI
MU	56	290634002	11/16/2011	Ru-103	8.89E-01	1.85E+00	6.05E+00	U
MU	56	290634002	11/16/2011	Ru-106	1.88E+01	1.38E+01	4.38E+01	U
MU	56	290634002	11/16/2011	Sb-124	4.13E+00	3.61E+00	1.24E+01	U
MU	56	290634002	11/16/2011	Sb-125	2.66E+00	3.75E+00	1.24E+01	U
MU	56	290634002	11/16/2011	Se-75	-7.98E-01	1.86E+00	6.16E+00	U
MU	56	290634002	11/16/2011	Th-228	1.04E+01	5.22E+00	9.62E+00	UI
MU	56	290634002	11/16/2011	Th-230	1.05E+01	5.39E+00	9.80E+00	UI
MU	56	290634002	11/16/2011	Tl-208	1.34E+00	2.69E+00	4.45E+00	U
MU	56	290634002	11/16/2011	Zn-65	-3.17E+00	3.61E+00	1.10E+01	U
MU	56	290634002	11/16/2011	Zr-95	-2.04E+00	3.12E+00	1.01E+01	U
MU	59	279331002	5/24/2011	Ac-228	1.87E+01	1.44E+01	4.49E+01	U
MU	59	279331002	5/24/2011	Ag-108m	9.27E-01	2.14E+00	7.13E+00	U
MU	59	279331002	5/24/2011	Ag-110m	2.01E+00	2.84E+00	9.81E+00	U
MU	59	279331002	5/24/2011	Ba-140	-1.66E+01	2.15E+01	6.07E+01	U
MU	59	279331002	5/24/2011	Be-7	1.04E+02	4.53E+01	1.42E+02	U
MU	59	279331002	5/24/2011	Bi-214	6.07E+00	7.39E+00	2.46E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
MU	59	279331002	5/24/2011	Ce-141	7.90E+00	8.07E+00	2.66E+01	U
MU	59	279331002	5/24/2011	Ce-144	-3.42E+00	1.68E+01	5.23E+01	U
MU	59	279331002	5/24/2011	Co-57	-6.07E+00	2.53E+00	6.04E+00	U
MU	59	279331002	5/24/2011	Co-58	9.46E-01	3.84E+00	1.29E+01	U
MU	59	279331002	5/24/2011	Co-60	-1.80E+00	3.17E+00	9.78E+00	U
MU	59	279331002	5/24/2011	Cr-51	-6.25E+01	4.96E+01	1.47E+02	U
MU	59	279331002	5/24/2011	Cs-134	-2.99E+00	3.36E+00	1.00E+01	U
MU	59	279331002	5/24/2011	Cs-137	-1.21E+01	4.57E+00	9.58E+00	U
MU	59	279331002	5/24/2011	Fe-59	1.97E+00	1.13E+01	3.82E+01	U
MU	59	279331002	5/24/2011	I-131	3.74E+01	6.45E+01	2.17E+02	U
MU	59	279331002	5/24/2011	K-40	1.75E+03	1.33E+02	7.27E+01	
MU	59	279331002	5/24/2011	La-140	-1.66E+01	2.15E+01	6.07E+01	U
MU	59	279331002	5/24/2011	Mn-54	5.76E+00	3.37E+00	1.14E+01	U
MU	59	279331002	5/24/2011	Nb-95	2.25E+00	4.26E+00	1.45E+01	U
MU	59	279331002	5/24/2011	Pb-212	1.56E+00	6.52E+00	1.72E+01	U
MU	59	279331002	5/24/2011	Pb-214	1.25E+01	7.82E+00	2.51E+01	U
MU	59	279331002	5/24/2011	Ra-226	6.07E+00	7.39E+00	2.46E+01	U
MU	59	279331002	5/24/2011	Ru-103	-1.77E+00	4.40E+00	1.37E+01	U
MU	59	279331002	5/24/2011	Ru-106	-1.74E+01	2.35E+01	7.35E+01	U
MU	59	279331002	5/24/2011	Sb-124	-1.34E+01	8.91E+00	1.92E+01	U
MU	59	279331002	5/24/2011	Sb-125	-1.21E+00	7.33E+00	2.37E+01	U
MU	59	279331002	5/24/2011	Se-75	4.02E+00	4.04E+00	1.38E+01	U
MU	59	279331002	5/24/2011	Th-228	1.56E+00	6.52E+00	1.72E+01	U
MU	59	279331002	5/24/2011	Th-230	6.07E+00	7.39E+00	2.46E+01	U
MU	59	279331002	5/24/2011	Tl-208	6.48E+00	3.73E+00	1.23E+01	U
MU	59	279331002	5/24/2011	Zn-65	-1.63E+01	8.35E+00	2.05E+01	U
MU	59	279331002	5/24/2011	Zr-95	7.49E+00	7.67E+00	2.64E+01	U
MU	59	290632002	11/15/2011	Ac-228	2.77E+01	2.29E+01	6.76E+01	U
MU	59	290632002	11/15/2011	Ag-108m	-2.57E+00	3.83E+00	1.18E+01	U
MU	59	290632002	11/15/2011	Ag-110m	-2.40E+00	4.34E+00	1.38E+01	U
MU	59	290632002	11/15/2011	Ba-140	-9.76E+00	1.77E+01	4.74E+01	U
MU	59	290632002	11/15/2011	Be-7	9.09E+01	5.14E+01	1.66E+02	U
MU	59	290632002	11/15/2011	Bi-214	3.77E+01	2.09E+01	3.69E+01	UI
MU	59	290632002	11/15/2011	Ce-141	-4.49E+01	1.61E+01	2.86E+01	U
MU	59	290632002	11/15/2011	Ce-144	-1.52E+01	2.61E+01	8.11E+01	U
MU	59	290632002	11/15/2011	Co-57	-1.96E+00	3.44E+00	1.08E+01	U
MU	59	290632002	11/15/2011	Co-58	1.85E+00	4.86E+00	1.59E+01	U
MU	59	290632002	11/15/2011	Co-60	5.54E+00	4.62E+00	1.55E+01	U
MU	59	290632002	11/15/2011	Cr-51	1.56E+01	6.15E+01	2.02E+02	U
MU	59	290632002	11/15/2011	Cs-134	8.43E-02	5.32E+00	1.72E+01	U
MU	59	290632002	11/15/2011	Cs-137	4.25E+00	4.60E+00	1.53E+01	U
MU	59	290632002	11/15/2011	Fe-59	1.72E+00	1.09E+01	3.63E+01	U
MU	59	290632002	11/15/2011	I-131	6.84E+00	2.67E+01	8.71E+01	U
MU	59	290632002	11/15/2011	K-40	1.57E+03	1.60E+02	1.42E+02	
MU	59	290632002	11/15/2011	La-140	-9.76E+00	1.77E+01	4.74E+01	U
MU	59	290632002	11/15/2011	Mn-54	3.41E+00	4.79E+00	1.57E+01	U
MU	59	290632002	11/15/2011	Nb-95	7.10E+00	5.67E+00	1.85E+01	U
MU	59	290632002	11/15/2011	Pb-212	3.54E+01	2.06E+01	3.99E+01	U
MU	59	290632002	11/15/2011	Pb-214	8.12E+00	1.82E+01	3.73E+01	U
MU	59	290632002	11/15/2011	Ra-226	3.77E+01	2.09E+01	3.69E+01	UI
MU	59	290632002	11/15/2011	Ru-103	1.08E+01	6.27E+00	2.02E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
MU	59	290632002	11/15/2011	Ru-106	1.98E+01	4.12E+01	1.38E+02	U
MU	59	290632002	11/15/2011	Sb-124	-1.05E+01	1.29E+01	3.96E+01	U
MU	59	290632002	11/15/2011	Sb-125	2.37E+00	1.18E+01	3.82E+01	U
MU	59	290632002	11/15/2011	Se-75	-4.09E+00	6.14E+00	1.97E+01	U
MU	59	290632002	11/15/2011	Th-228	3.54E+01	2.06E+01	3.99E+01	U
MU	59	290632002	11/15/2011	Th-230	3.77E+01	2.09E+01	3.69E+01	UI
MU	59	290632002	11/15/2011	Tl-208	1.80E+01	1.02E+01	1.33E+01	UI
MU	59	290632002	11/15/2011	Zn-65	-5.98E+00	1.02E+01	3.25E+01	U
MU	59	290632002	11/15/2011	Zr-95	2.48E+00	9.38E+00	3.08E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
SE	02	279326001	6/1/2011	Ac-228	1.53E+03	1.69E+02	1.74E+02	
SE	02	279326001	6/1/2011	Ag-108m	-7.61E-02	1.08E+01	3.76E+01	U
SE	02	279326001	6/1/2011	Ag-110m	-1.28E+01	1.37E+01	4.54E+01	U
SE	02	279326001	6/1/2011	Ba-140	3.18E+01	7.11E+01	2.10E+02	U
SE	02	279326001	6/1/2011	Be-7	1.43E+02	1.35E+02	4.70E+02	U
SE	02	279326001	6/1/2011	Bi-214	9.73E+02	8.08E+01	7.91E+01	
SE	02	279326001	6/1/2011	Ce-141	2.73E+01	3.01E+01	1.08E+02	U
SE	02	279326001	6/1/2011	Ce-144	-7.82E+01	8.00E+01	2.74E+02	U
SE	02	279326001	6/1/2011	Co-57	1.38E+01	9.79E+00	3.50E+01	U
SE	02	279326001	6/1/2011	Co-58	-2.87E+01	1.71E+01	4.90E+01	U
SE	02	279326001	6/1/2011	Co-60	-1.97E+01	1.47E+01	4.29E+01	U
SE	02	279326001	6/1/2011	Cr-51	2.56E+01	1.85E+02	6.67E+02	U
SE	02	279326001	6/1/2011	Cs-134	0.00E+00	3.30E+01	7.50E+01	U
SE	02	279326001	6/1/2011	Cs-137	1.05E+00	1.47E+01	5.15E+01	U
SE	02	279326001	6/1/2011	Fe-59	-7.23E+01	4.25E+01	1.22E+02	U
SE	02	279326001	6/1/2011	I-131	-1.81E+01	1.09E+02	3.83E+02	U
SE	02	279326001	6/1/2011	K-40	1.37E+04	8.84E+02	4.22E+02	
SE	02	279326001	6/1/2011	La-140	3.18E+01	7.11E+01	2.10E+02	U
SE	02	279326001	6/1/2011	Mn-54	3.23E+01	1.81E+01	5.42E+01	U
SE	02	279326001	6/1/2011	Nb-95	-1.53E+00	2.12E+01	6.31E+01	U
SE	02	279326001	6/1/2011	Pb-212	1.73E+03	1.03E+02	7.60E+01	
SE	02	279326001	6/1/2011	Pb-214	1.07E+03	1.01E+02	9.56E+01	
SE	02	279326001	6/1/2011	Ra-226	9.73E+02	8.08E+01	7.91E+01	
SE	02	279326001	6/1/2011	Ru-103	-8.69E+00	1.85E+01	6.19E+01	U
SE	02	279326001	6/1/2011	Ru-106	-1.13E+02	1.05E+02	3.43E+02	U
SE	02	279326001	6/1/2011	Sb-124	6.58E+01	3.79E+01	1.32E+02	U
SE	02	279326001	6/1/2011	Sb-125	2.06E+00	3.43E+01	1.20E+02	U
SE	02	279326001	6/1/2011	Se-75	5.47E+00	1.70E+01	6.06E+01	U
SE	02	279326001	6/1/2011	Th-228	1.73E+03	1.03E+02	7.60E+01	
SE	02	279326001	6/1/2011	Th-230	9.73E+02	7.66E+01	7.91E+01	
SE	02	279326001	6/1/2011	Tl-208	4.68E+02	3.63E+01	4.22E+01	
SE	02	279326001	6/1/2011	Zn-65	-6.81E+00	3.56E+01	1.04E+02	U
SE	02	279326001	6/1/2011	Zr-95	-2.02E+01	3.30E+01	1.10E+02	U
SE	02	290630001	11/16/2011	Ac-228	2.25E+03	2.09E+02	2.42E+02	
SE	02	290630001	11/16/2011	Ag-108m	-8.48E+00	1.50E+01	5.09E+01	U
SE	02	290630001	11/16/2011	Ag-110m	1.01E+00	1.77E+01	6.16E+01	U
SE	02	290630001	11/16/2011	Ba-140	-1.02E+02	1.17E+02	2.93E+02	U
SE	02	290630001	11/16/2011	Be-7	4.96E+01	1.84E+02	6.44E+02	U
SE	02	290630001	11/16/2011	Bi-214	1.55E+03	1.12E+02	1.29E+02	
SE	02	290630001	11/16/2011	Ce-141	3.98E+01	4.92E+01	1.72E+02	U
SE	02	290630001	11/16/2011	Ce-144	4.97E+01	1.21E+02	4.07E+02	U
SE	02	290630001	11/16/2011	Co-57	-1.39E+01	1.46E+01	4.94E+01	U
SE	02	290630001	11/16/2011	Co-58	-3.33E+01	2.24E+01	6.55E+01	U
SE	02	290630001	11/16/2011	Co-60	7.60E+00	1.82E+01	6.12E+01	U
SE	02	290630001	11/16/2011	Cr-51	-4.50E+01	2.74E+02	9.37E+02	U
SE	02	290630001	11/16/2011	Cs-134	4.97E+01	2.81E+01	9.30E+01	U
SE	02	290630001	11/16/2011	Cs-137	-1.85E+01	2.03E+01	6.65E+01	U
SE	02	290630001	11/16/2011	Fe-59	2.53E+01	5.12E+01	1.53E+02	U
SE	02	290630001	11/16/2011	I-131	-1.07E+02	1.78E+02	6.17E+02	U
SE	02	290630001	11/16/2011	K-40	1.39E+04	9.27E+02	5.08E+02	
SE	02	290630001	11/16/2011	La-140	-1.02E+02	1.17E+02	2.93E+02	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
SE	02	290630001	11/16/2011	Mn-54	-2.87E+01	2.15E+01	6.49E+01	U
SE	02	290630001	11/16/2011	Nb-95	4.51E+01	2.95E+01	9.92E+01	U
SE	02	290630001	11/16/2011	Pb-212	2.70E+03	1.54E+02	1.10E+02	
SE	02	290630001	11/16/2011	Pb-214	1.79E+03	1.37E+02	1.23E+02	
SE	02	290630001	11/16/2011	Ra-226	1.55E+03	1.12E+02	1.29E+02	
SE	02	290630001	11/16/2011	Ru-103	-2.56E+01	2.51E+01	8.04E+01	U
SE	02	290630001	11/16/2011	Ru-106	-4.61E+01	1.50E+02	5.17E+02	U
SE	02	290630001	11/16/2011	Sb-124	-4.95E+01	4.28E+01	1.19E+02	U
SE	02	290630001	11/16/2011	Sb-125	-1.16E+01	4.55E+01	1.58E+02	U
SE	02	290630001	11/16/2011	Se-75	-1.68E+01	2.52E+01	8.24E+01	U
SE	02	290630001	11/16/2011	Th-228	2.70E+03	1.54E+02	1.10E+02	
SE	02	290630001	11/16/2011	Th-230	1.55E+03	1.05E+02	1.29E+02	
SE	02	290630001	11/16/2011	Tl-208	6.62E+02	5.41E+01	6.13E+01	
SE	02	290630001	11/16/2011	Zn-65	1.19E+01	4.79E+01	1.40E+02	U
SE	02	290630001	11/16/2011	Zr-95	8.81E+01	4.73E+01	1.57E+02	U
SE	07	279329001	5/24/2011	Ac-228	3.41E+02	8.99E+01	1.61E+02	
SE	07	279329001	5/24/2011	Ag-108m	-8.40E+00	9.61E+00	3.01E+01	U
SE	07	279329001	5/24/2011	Ag-110m	-2.62E-01	1.27E+01	4.36E+01	U
SE	07	279329001	5/24/2011	Ba-140	-5.05E+01	7.12E+01	2.07E+02	U
SE	07	279329001	5/24/2011	Be-7	-1.16E+02	1.48E+02	4.94E+02	U
SE	07	279329001	5/24/2011	Bi-214	2.80E+02	6.13E+01	8.82E+01	
SE	07	279329001	5/24/2011	Ce-141	-1.43E+01	2.92E+01	1.01E+02	U
SE	07	279329001	5/24/2011	Ce-144	-1.06E+02	6.62E+01	2.13E+02	U
SE	07	279329001	5/24/2011	Co-57	1.33E+00	7.24E+00	2.68E+01	U
SE	07	279329001	5/24/2011	Co-58	1.37E+01	1.83E+01	6.33E+01	U
SE	07	279329001	5/24/2011	Co-60	2.02E+01	1.55E+01	5.42E+01	U
SE	07	279329001	5/24/2011	Cr-51	1.45E+02	2.03E+02	7.09E+02	U
SE	07	279329001	5/24/2011	Cs-134	1.03E+01	1.58E+01	5.46E+01	U
SE	07	279329001	5/24/2011	Cs-137	-1.62E+01	1.37E+01	4.21E+01	U
SE	07	279329001	5/24/2011	Fe-59	3.01E+01	4.65E+01	1.63E+02	U
SE	07	279329001	5/24/2011	I-131	7.79E+01	2.36E+02	8.13E+02	U
SE	07	279329001	5/24/2011	K-40	1.59E+04	9.26E+02	2.52E+02	
SE	07	279329001	5/24/2011	La-140	-5.05E+01	7.11E+01	2.07E+02	U
SE	07	279329001	5/24/2011	Mn-54	-5.00E+00	1.34E+01	4.39E+01	U
SE	07	279329001	5/24/2011	Nb-95	-1.36E+01	1.96E+01	6.29E+01	U
SE	07	279329001	5/24/2011	Pb-212	5.31E+02	6.13E+01	5.81E+01	
SE	07	279329001	5/24/2011	Pb-214	3.07E+02	5.51E+01	8.11E+01	
SE	07	279329001	5/24/2011	Ra-226	2.80E+02	6.13E+01	8.82E+01	
SE	07	279329001	5/24/2011	Ru-103	1.31E+01	2.06E+01	7.35E+01	U
SE	07	279329001	5/24/2011	Ru-106	-3.86E+01	1.22E+02	4.14E+02	U
SE	07	279329001	5/24/2011	Sb-124	6.21E+00	2.84E+01	9.58E+01	U
SE	07	279329001	5/24/2011	Sb-125	2.70E+01	3.37E+01	1.15E+02	U
SE	07	279329001	5/24/2011	Se-75	2.61E+01	1.74E+01	5.99E+01	U
SE	07	279329001	5/24/2011	Th-228	5.31E+02	6.13E+01	5.81E+01	
SE	07	279329001	5/24/2011	Th-230	2.80E+02	6.09E+01	8.82E+01	
SE	07	279329001	5/24/2011	Tl-208	1.65E+02	2.86E+01	4.02E+01	
SE	07	279329001	5/24/2011	Zn-65	-3.32E+00	3.84E+01	1.12E+02	U
SE	07	279329001	5/24/2011	Zr-95	-8.29E+01	3.91E+01	9.86E+01	U
SE	07	290631001	11/15/2011	Ac-228	4.26E+02	1.02E+02	1.89E+02	
SE	07	290631001	11/15/2011	Ag-108m	-1.19E+01	1.31E+01	4.17E+01	U
SE	07	290631001	11/15/2011	Ag-110m	-7.29E+00	1.40E+01	4.55E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
SE	07	290631001	11/15/2011	Ba-140	-8.22E+01	8.73E+01	2.60E+02	U
SE	07	290631001	11/15/2011	Be-7	-1.32E+01	1.51E+02	5.26E+02	U
SE	07	290631001	11/15/2011	Bi-214	4.53E+02	6.83E+01	8.73E+01	
SE	07	290631001	11/15/2011	Ce-141	1.40E+01	3.39E+01	1.24E+02	U
SE	07	290631001	11/15/2011	Ce-144	1.32E+02	8.89E+01	3.18E+02	U
SE	07	290631001	11/15/2011	Co-57	1.74E+01	1.14E+01	3.87E+01	U
SE	07	290631001	11/15/2011	Co-58	-2.42E+01	1.85E+01	5.53E+01	U
SE	07	290631001	11/15/2011	Co-60	7.55E+00	1.54E+01	5.24E+01	U
SE	07	290631001	11/15/2011	Cr-51	1.42E+01	2.17E+02	7.66E+02	U
SE	07	290631001	11/15/2011	Cs-134	1.27E+01	1.89E+01	6.58E+01	U
SE	07	290631001	11/15/2011	Cs-137	-5.18E+00	1.46E+01	4.81E+01	U
SE	07	290631001	11/15/2011	Fe-59	-8.80E+01	5.85E+01	1.71E+02	U
SE	07	290631001	11/15/2011	I-131	3.20E+02	1.77E+02	6.03E+02	U
SE	07	290631001	11/15/2011	K-40	1.64E+04	1.01E+03	5.06E+02	
SE	07	290631001	11/15/2011	La-140	-8.22E+01	8.72E+01	2.60E+02	U
SE	07	290631001	11/15/2011	Mn-54	1.32E+01	1.45E+01	5.05E+01	U
SE	07	290631001	11/15/2011	Nb-95	3.32E+01	2.25E+01	7.75E+01	U
SE	07	290631001	11/15/2011	Pb-212	4.10E+02	4.94E+01	7.99E+01	
SE	07	290631001	11/15/2011	Pb-214	3.25E+02	7.81E+01	9.08E+01	
SE	07	290631001	11/15/2011	Ra-226	4.53E+02	6.83E+01	8.73E+01	
SE	07	290631001	11/15/2011	Ru-103	1.68E+01	1.98E+01	7.02E+01	U
SE	07	290631001	11/15/2011	Ru-106	1.25E+02	1.45E+02	5.00E+02	U
SE	07	290631001	11/15/2011	Sb-124	-1.06E+02	4.62E+01	8.60E+01	U
SE	07	290631001	11/15/2011	Sb-125	-3.21E+01	4.25E+01	1.38E+02	U
SE	07	290631001	11/15/2011	Se-75	-1.54E+01	2.22E+01	7.27E+01	U
SE	07	290631001	11/15/2011	Th-228	4.10E+02	4.94E+01	7.99E+01	
SE	07	290631001	11/15/2011	Th-230	4.53E+02	6.72E+01	8.73E+01	
SE	07	290631001	11/15/2011	Tl-208	1.20E+02	2.48E+01	5.02E+01	
SE	07	290631001	11/15/2011	Zn-65	5.53E+00	4.88E+01	1.41E+02	U
SE	07	290631001	11/15/2011	Zr-95	-2.55E+01	3.36E+01	1.09E+02	U
SE	08	279329002	5/24/2011	Ac-228	4.44E+02	1.25E+02	2.08E+02	
SE	08	279329002	5/24/2011	Ag-108m	-6.72E+00	1.12E+01	3.67E+01	U
SE	08	279329002	5/24/2011	Ag-110m	3.54E+00	1.47E+01	5.13E+01	U
SE	08	279329002	5/24/2011	Ba-140	-2.25E+02	1.21E+02	2.53E+02	U
SE	08	279329002	5/24/2011	Be-7	-6.44E+01	1.56E+02	5.11E+02	U
SE	08	279329002	5/24/2011	Bi-214	2.83E+02	8.89E+01	1.69E+02	UI
SE	08	279329002	5/24/2011	Ce-141	-1.87E+01	3.21E+01	1.07E+02	U
SE	08	279329002	5/24/2011	Ce-144	1.35E+01	6.46E+01	2.28E+02	U
SE	08	279329002	5/24/2011	Co-57	-1.54E+01	9.60E+00	2.93E+01	U
SE	08	279329002	5/24/2011	Co-58	-2.00E+01	2.09E+01	6.46E+01	U
SE	08	279329002	5/24/2011	Co-60	1.63E+01	1.80E+01	6.32E+01	U
SE	08	279329002	5/24/2011	Cr-51	3.03E+02	2.20E+02	7.77E+02	U
SE	08	279329002	5/24/2011	Cs-134	3.87E+01	2.10E+01	7.22E+01	U
SE	08	279329002	5/24/2011	Cs-137	9.54E+00	1.57E+01	5.53E+01	U
SE	08	279329002	5/24/2011	Fe-59	5.63E+01	6.12E+01	2.16E+02	U
SE	08	279329002	5/24/2011	I-131	-2.14E+02	2.70E+02	8.72E+02	U
SE	08	279329002	5/24/2011	K-40	2.28E+04	1.35E+03	3.61E+02	
SE	08	279329002	5/24/2011	La-140	-2.25E+02	1.21E+02	2.53E+02	U
SE	08	279329002	5/24/2011	Mn-54	7.51E+00	1.75E+01	6.01E+01	U
SE	08	279329002	5/24/2011	Nb-95	-3.85E+01	2.31E+01	6.44E+01	U
SE	08	279329002	5/24/2011	Pb-212	3.56E+02	4.59E+01	8.18E+01	

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
SE	08	279329002	5/24/2011	Pb-214	3.98E+02	6.34E+01	7.99E+01	
SE	08	279329002	5/24/2011	Ra-226	2.83E+02	8.89E+01	1.69E+02	UI
SE	08	279329002	5/24/2011	Ru-103	-5.13E+01	2.43E+01	5.88E+01	U
SE	08	279329002	5/24/2011	Ru-106	8.81E+01	1.32E+02	4.72E+02	U
SE	08	279329002	5/24/2011	Sb-124	6.72E+00	3.42E+01	1.15E+02	U
SE	08	279329002	5/24/2011	Sb-125	-2.81E+01	3.43E+01	1.10E+02	U
SE	08	279329002	5/24/2011	Se-75	-1.89E+01	1.73E+01	5.56E+01	U
SE	08	279329002	5/24/2011	Th-228	3.56E+02	4.59E+01	8.18E+01	
SE	08	279329002	5/24/2011	Th-230	2.83E+02	8.85E+01	1.69E+02	UI
SE	08	279329002	5/24/2011	Tl-208	1.68E+02	2.89E+01	4.17E+01	
SE	08	279329002	5/24/2011	Zn-65	-1.26E+02	5.77E+01	1.47E+02	U
SE	08	279329002	5/24/2011	Zr-95	-8.82E+00	4.00E+01	1.35E+02	U
SE	08	290631002	11/15/2011	Ac-228	2.93E+02	1.24E+02	3.53E+02	U
SE	08	290631002	11/15/2011	Ag-108m	2.91E+00	1.25E+01	4.39E+01	U
SE	08	290631002	11/15/2011	Ag-110m	3.21E+01	1.60E+01	5.78E+01	U
SE	08	290631002	11/15/2011	Ba-140	-3.00E+01	4.78E+01	1.22E+02	U
SE	08	290631002	11/15/2011	Be-7	4.42E+01	1.62E+02	5.65E+02	U
SE	08	290631002	11/15/2011	Bi-214	3.40E+02	1.05E+02	2.16E+02	UI
SE	08	290631002	11/15/2011	Ce-141	1.44E+01	3.47E+01	1.27E+02	U
SE	08	290631002	11/15/2011	Ce-144	-5.25E+01	7.64E+01	2.65E+02	U
SE	08	290631002	11/15/2011	Co-57	1.81E+00	9.19E+00	3.40E+01	U
SE	08	290631002	11/15/2011	Co-58	6.79E+00	2.15E+01	7.46E+01	U
SE	08	290631002	11/15/2011	Co-60	8.87E+00	2.32E+01	7.96E+01	U
SE	08	290631002	11/15/2011	Cr-51	-2.17E+02	2.43E+02	8.10E+02	U
SE	08	290631002	11/15/2011	Cs-134	1.97E-01	2.08E+01	7.09E+01	U
SE	08	290631002	11/15/2011	Cs-137	-3.68E+01	1.66E+01	3.65E+01	U
SE	08	290631002	11/15/2011	Fe-59	5.55E+01	5.63E+01	2.02E+02	U
SE	08	290631002	11/15/2011	I-131	2.04E+02	1.66E+02	6.06E+02	U
SE	08	290631002	11/15/2011	K-40	1.91E+04	1.20E+03	4.59E+02	
SE	08	290631002	11/15/2011	La-140	-3.00E+01	4.78E+01	1.22E+02	U
SE	08	290631002	11/15/2011	Mn-54	-5.70E+00	1.71E+01	5.61E+01	U
SE	08	290631002	11/15/2011	Nb-95	4.14E+01	2.39E+01	8.50E+01	U
SE	08	290631002	11/15/2011	Pb-212	3.19E+02	5.65E+01	1.09E+02	
SE	08	290631002	11/15/2011	Pb-214	3.49E+02	7.16E+01	9.48E+01	
SE	08	290631002	11/15/2011	Ra-226	3.40E+02	1.05E+02	2.16E+02	UI
SE	08	290631002	11/15/2011	Ru-103	2.25E+01	2.41E+01	8.53E+01	U
SE	08	290631002	11/15/2011	Ru-106	-5.49E+00	1.39E+02	4.86E+02	U
SE	08	290631002	11/15/2011	Sb-124	3.31E+01	4.70E+01	1.72E+02	U
SE	08	290631002	11/15/2011	Sb-125	3.42E+01	4.07E+01	1.46E+02	U
SE	08	290631002	11/15/2011	Se-75	3.36E+01	2.03E+01	7.09E+01	U
SE	08	290631002	11/15/2011	Th-228	3.19E+02	5.65E+01	1.09E+02	
SE	08	290631002	11/15/2011	Th-230	3.40E+02	1.05E+02	2.16E+02	UI
SE	08	290631002	11/15/2011	Tl-208	1.25E+02	2.77E+01	5.31E+01	
SE	08	290631002	11/15/2011	Zn-65	-3.49E+01	5.13E+01	1.64E+02	U
SE	08	290631002	11/15/2011	Zr-95	-3.07E+01	3.43E+01	1.05E+02	U
SE	52	279326002	6/1/2011	Ac-228	2.57E+03	2.38E+02	2.18E+02	
SE	52	279326002	6/1/2011	Ag-108m	-1.56E+01	1.46E+01	4.53E+01	U
SE	52	279326002	6/1/2011	Ag-110m	6.27E-01	1.81E+01	6.19E+01	U
SE	52	279326002	6/1/2011	Ba-140	1.21E+02	7.67E+01	2.47E+02	U
SE	52	279326002	6/1/2011	Be-7	2.83E+01	1.80E+02	6.35E+02	U
SE	52	279326002	6/1/2011	Bi-214	1.55E+03	1.23E+02	1.10E+02	

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
SE	52	279326002	6/1/2011	Ce-141	2.26E-01	3.84E+01	1.37E+02	U
SE	52	279326002	6/1/2011	Ce-144	-6.92E+01	1.05E+02	3.26E+02	U
SE	52	279326002	6/1/2011	Co-57	5.20E+00	1.13E+01	4.13E+01	U
SE	52	279326002	6/1/2011	Co-58	-4.06E+01	2.29E+01	6.27E+01	U
SE	52	279326002	6/1/2011	Co-60	-1.59E+01	1.73E+01	5.30E+01	U
SE	52	279326002	6/1/2011	Cr-51	1.52E+02	2.41E+02	8.29E+02	U
SE	52	279326002	6/1/2011	Cs-134	0.00E+00	5.81E+01	1.00E+02	U
SE	52	279326002	6/1/2011	Cs-137	-3.27E+01	2.11E+01	6.28E+01	U
SE	52	279326002	6/1/2011	Fe-59	-4.15E+00	5.26E+01	1.79E+02	U
SE	52	279326002	6/1/2011	I-131	1.85E+02	1.64E+02	5.55E+02	U
SE	52	279326002	6/1/2011	K-40	1.43E+04	9.37E+02	5.50E+02	
SE	52	279326002	6/1/2011	La-140	1.21E+02	7.66E+01	2.47E+02	U
SE	52	279326002	6/1/2011	Mn-54	3.70E+00	2.05E+01	6.90E+01	U
SE	52	279326002	6/1/2011	Nb-95	2.44E+01	2.91E+01	8.68E+01	U
SE	52	279326002	6/1/2011	Pb-212	2.43E+03	1.61E+02	9.17E+01	
SE	52	279326002	6/1/2011	Pb-214	1.71E+03	1.28E+02	1.20E+02	
SE	52	279326002	6/1/2011	Ra-226	1.55E+03	1.23E+02	1.10E+02	
SE	52	279326002	6/1/2011	Ru-103	-2.20E+01	2.28E+01	7.48E+01	U
SE	52	279326002	6/1/2011	Ru-106	-2.32E+02	1.65E+02	5.04E+02	U
SE	52	279326002	6/1/2011	Sb-124	6.02E+01	4.20E+01	1.49E+02	U
SE	52	279326002	6/1/2011	Sb-125	-8.44E+01	4.81E+01	1.36E+02	U
SE	52	279326002	6/1/2011	Se-75	-3.71E+01	2.78E+01	7.63E+01	U
SE	52	279326002	6/1/2011	Th-228	2.43E+03	1.61E+02	9.17E+01	
SE	52	279326002	6/1/2011	Th-230	1.55E+03	1.16E+02	1.10E+02	
SE	52	279326002	6/1/2011	Tl-208	7.23E+02	5.58E+01	6.04E+01	
SE	52	279326002	6/1/2011	Zn-65	-3.28E+01	5.13E+01	1.42E+02	U
SE	52	279326002	6/1/2011	Zr-95	-2.19E+01	3.91E+01	1.27E+02	U
SE	52	290630002	11/16/2011	Ac-228	1.44E+03	1.96E+02	2.06E+02	
SE	52	290630002	11/16/2011	Ag-108m	1.60E+01	1.43E+01	4.95E+01	U
SE	52	290630002	11/16/2011	Ag-110m	4.80E+00	1.53E+01	5.38E+01	U
SE	52	290630002	11/16/2011	Ba-140	-6.65E+01	8.44E+01	2.52E+02	U
SE	52	290630002	11/16/2011	Be-7	-2.05E+01	1.91E+02	6.38E+02	U
SE	52	290630002	11/16/2011	Bi-214	1.13E+03	1.07E+02	1.12E+02	
SE	52	290630002	11/16/2011	Ce-141	-2.78E+00	4.34E+01	1.57E+02	U
SE	52	290630002	11/16/2011	Ce-144	-1.10E+02	1.07E+02	3.66E+02	U
SE	52	290630002	11/16/2011	Co-57	-1.43E+01	1.35E+01	4.64E+01	U
SE	52	290630002	11/16/2011	Co-58	-1.26E+01	2.20E+01	7.14E+01	U
SE	52	290630002	11/16/2011	Co-60	-1.28E+01	2.03E+01	6.16E+01	U
SE	52	290630002	11/16/2011	Cr-51	6.30E+01	2.48E+02	8.66E+02	U
SE	52	290630002	11/16/2011	Cs-134	7.31E+01	3.09E+01	9.98E+01	U
SE	52	290630002	11/16/2011	Cs-137	-2.05E+01	1.78E+01	5.49E+01	U
SE	52	290630002	11/16/2011	Fe-59	-2.23E+01	4.75E+01	1.50E+02	U
SE	52	290630002	11/16/2011	I-131	-1.03E+02	1.84E+02	6.07E+02	U
SE	52	290630002	11/16/2011	K-40	1.30E+04	9.01E+02	4.74E+02	
SE	52	290630002	11/16/2011	La-140	-6.65E+01	8.44E+01	2.52E+02	U
SE	52	290630002	11/16/2011	Mn-54	-4.28E+01	2.18E+01	5.64E+01	U
SE	52	290630002	11/16/2011	Nb-95	-2.14E+01	2.91E+01	8.05E+01	U
SE	52	290630002	11/16/2011	Pb-212	1.67E+03	1.09E+02	1.03E+02	
SE	52	290630002	11/16/2011	Pb-214	1.32E+03	1.14E+02	1.21E+02	
SE	52	290630002	11/16/2011	Ra-226	1.13E+03	1.07E+02	1.12E+02	
SE	52	290630002	11/16/2011	Ru-103	1.55E+01	2.43E+01	8.34E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
SE	52	290630002	11/16/2011	Ru-106	-1.93E+02	1.68E+02	5.28E+02	U
SE	52	290630002	11/16/2011	Sb-124	-9.38E+00	4.13E+01	1.33E+02	U
SE	52	290630002	11/16/2011	Sb-125	4.95E+01	4.61E+01	1.60E+02	U
SE	52	290630002	11/16/2011	Se-75	6.80E+00	2.70E+01	8.39E+01	U
SE	52	290630002	11/16/2011	Th-228	1.67E+03	1.09E+02	1.03E+02	
SE	52	290630002	11/16/2011	Th-230	1.13E+03	1.03E+02	1.12E+02	
SE	52	290630002	11/16/2011	Tl-208	5.11E+02	4.59E+01	5.91E+01	
SE	52	290630002	11/16/2011	Zn-65	6.00E+01	5.48E+01	1.67E+02	U
SE	52	290630002	11/16/2011	Zr-95	-4.14E+00	4.08E+01	1.39E+02	U
SE	57	279329003	5/24/2011	Ac-228	3.71E+02	9.13E+01	1.57E+02	
SE	57	279329003	5/24/2011	Ag-108m	4.00E+00	9.41E+00	3.28E+01	U
SE	57	279329003	5/24/2011	Ag-110m	-5.83E+00	1.16E+01	3.90E+01	U
SE	57	279329003	5/24/2011	Ba-140	-3.31E+01	7.48E+01	2.32E+02	U
SE	57	279329003	5/24/2011	Be-7	-1.45E+02	1.44E+02	4.51E+02	U
SE	57	279329003	5/24/2011	Bi-214	4.57E+02	5.84E+01	6.73E+01	
SE	57	279329003	5/24/2011	Ce-141	2.00E+01	3.19E+01	1.11E+02	U
SE	57	279329003	5/24/2011	Ce-144	3.77E+01	6.43E+01	2.29E+02	U
SE	57	279329003	5/24/2011	Co-57	-3.68E+00	7.98E+00	2.78E+01	U
SE	57	279329003	5/24/2011	Co-58	5.12E-01	1.48E+01	5.06E+01	U
SE	57	279329003	5/24/2011	Co-60	-1.67E+01	1.56E+01	4.71E+01	U
SE	57	279329003	5/24/2011	Cr-51	1.77E+02	2.00E+02	7.12E+02	U
SE	57	279329003	5/24/2011	Cs-134	2.26E+01	1.74E+01	6.01E+01	U
SE	57	279329003	5/24/2011	Cs-137	-2.67E+01	1.40E+01	4.12E+01	U
SE	57	279329003	5/24/2011	Fe-59	1.02E+02	5.47E+01	1.80E+02	U
SE	57	279329003	5/24/2011	I-131	2.55E+02	2.29E+02	8.06E+02	U
SE	57	279329003	5/24/2011	K-40	1.87E+04	1.09E+03	2.84E+02	
SE	57	279329003	5/24/2011	La-140	-3.31E+01	7.48E+01	2.32E+02	U
SE	57	279329003	5/24/2011	Mn-54	-1.65E-01	1.25E+01	4.25E+01	U
SE	57	279329003	5/24/2011	Nb-95	1.49E+00	1.62E+01	5.56E+01	U
SE	57	279329003	5/24/2011	Pb-212	5.47E+02	5.30E+01	6.95E+01	
SE	57	279329003	5/24/2011	Pb-214	4.46E+02	5.86E+01	7.42E+01	
SE	57	279329003	5/24/2011	Ra-226	4.57E+02	5.84E+01	6.73E+01	
SE	57	279329003	5/24/2011	Ru-103	-2.46E+01	2.06E+01	6.26E+01	U
SE	57	279329003	5/24/2011	Ru-106	-3.88E+01	9.44E+01	3.22E+02	U
SE	57	279329003	5/24/2011	Sb-124	-2.30E+00	2.67E+01	8.63E+01	U
SE	57	279329003	5/24/2011	Sb-125	8.74E+00	2.87E+01	9.97E+01	U
SE	57	279329003	5/24/2011	Se-75	1.99E+01	1.49E+01	5.33E+01	U
SE	57	279329003	5/24/2011	Th-228	5.47E+02	5.30E+01	6.95E+01	
SE	57	279329003	5/24/2011	Th-230	4.57E+02	5.72E+01	6.73E+01	
SE	57	279329003	5/24/2011	Tl-208	2.13E+02	2.65E+01	3.71E+01	
SE	57	279329003	5/24/2011	Zn-65	-4.60E+01	4.13E+01	1.01E+02	U
SE	57	279329003	5/24/2011	Zr-95	3.15E+01	3.19E+01	1.12E+02	U
SE	57	290631003	11/15/2011	Ac-228	4.41E+02	9.82E+01	2.08E+02	
SE	57	290631003	11/15/2011	Ag-108m	-2.40E+01	1.33E+01	3.65E+01	U
SE	57	290631003	11/15/2011	Ag-110m	-1.33E+01	1.38E+01	4.38E+01	U
SE	57	290631003	11/15/2011	Ba-140	2.58E+01	8.63E+01	2.97E+02	U
SE	57	290631003	11/15/2011	Be-7	1.34E+02	1.40E+02	4.96E+02	U
SE	57	290631003	11/15/2011	Bi-214	4.92E+02	6.65E+01	1.03E+02	
SE	57	290631003	11/15/2011	Ce-141	1.81E+01	3.23E+01	1.14E+02	U
SE	57	290631003	11/15/2011	Ce-144	-5.13E+00	7.59E+01	2.66E+02	U
SE	57	290631003	11/15/2011	Co-57	-1.43E+01	1.08E+01	3.41E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
SE	57	290631003	11/15/2011	Co-58	-4.71E+00	1.90E+01	6.40E+01	U
SE	57	290631003	11/15/2011	Co-60	1.36E+00	1.93E+01	6.62E+01	U
SE	57	290631003	11/15/2011	Cr-51	2.18E+01	2.04E+02	7.25E+02	U
SE	57	290631003	11/15/2011	Cs-134	2.28E+01	1.84E+01	6.57E+01	U
SE	57	290631003	11/15/2011	Cs-137	1.13E+01	1.42E+01	5.20E+01	U
SE	57	290631003	11/15/2011	Fe-59	4.47E+00	5.27E+01	1.76E+02	U
SE	57	290631003	11/15/2011	I-131	-1.28E+02	1.54E+02	4.99E+02	U
SE	57	290631003	11/15/2011	K-40	1.57E+04	1.02E+03	4.69E+02	
SE	57	290631003	11/15/2011	La-140	2.58E+01	8.63E+01	2.97E+02	U
SE	57	290631003	11/15/2011	Mn-54	1.13E+01	1.47E+01	5.22E+01	U
SE	57	290631003	11/15/2011	Nb-95	-2.94E+01	2.21E+01	5.32E+01	U
SE	57	290631003	11/15/2011	Pb-212	3.73E+02	5.65E+01	9.24E+01	
SE	57	290631003	11/15/2011	Pb-214	4.72E+02	6.45E+01	9.51E+01	
SE	57	290631003	11/15/2011	Ra-226	4.92E+02	6.65E+01	1.03E+02	
SE	57	290631003	11/15/2011	Ru-103	3.05E+01	2.04E+01	7.17E+01	U
SE	57	290631003	11/15/2011	Ru-106	-7.60E+01	1.27E+02	3.98E+02	U
SE	57	290631003	11/15/2011	Sb-124	-3.35E+00	3.40E+01	1.11E+02	U
SE	57	290631003	11/15/2011	Sb-125	5.38E+01	3.54E+01	1.26E+02	U
SE	57	290631003	11/15/2011	Se-75	4.55E+00	1.72E+01	6.22E+01	U
SE	57	290631003	11/15/2011	Th-228	3.73E+02	5.65E+01	9.24E+01	
SE	57	290631003	11/15/2011	Th-230	4.92E+02	6.53E+01	1.03E+02	
SE	57	290631003	11/15/2011	Tl-208	1.59E+02	2.86E+01	4.72E+01	
SE	57	290631003	11/15/2011	Zn-65	1.94E+01	4.07E+01	1.23E+02	U
SE	57	290631003	11/15/2011	Zr-95	-2.35E+01	2.85E+01	8.99E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TF	02	280312001	6/14/2011	Ac-228	6.66E+00	8.44E+00	2.04E+01	U
TF	02	280312001	6/14/2011	Ag-108m	1.33E-01	1.10E+00	3.66E+00	U
TF	02	280312001	6/14/2011	Ag-110m	-1.34E+00	1.36E+00	4.24E+00	U
TF	02	280312001	6/14/2011	Ba-140	-4.37E-01	2.46E+00	8.08E+00	U
TF	02	280312001	6/14/2011	Be-7	6.81E+01	1.73E+01	3.90E+01	
TF	02	280312001	6/14/2011	Ce-141	-4.23E+00	3.83E+00	7.61E+00	U
TF	02	280312001	6/14/2011	Ce-144	-5.17E+00	8.33E+00	2.66E+01	U
TF	02	280312001	6/14/2011	Co-57	-3.46E-01	1.07E+00	3.45E+00	U
TF	02	280312001	6/14/2011	Co-58	2.74E+00	1.51E+00	4.73E+00	U
TF	02	280312001	6/14/2011	Co-60	2.26E+00	1.49E+00	4.94E+00	U
TF	02	280312001	6/14/2011	Cr-51	-5.14E+00	1.31E+01	4.34E+01	U
TF	02	280312001	6/14/2011	Cs-134	1.28E+00	1.73E+00	5.68E+00	U
TF	02	280312001	6/14/2011	Cs-137	5.35E-01	1.43E+00	4.74E+00	U
TF	02	280312001	6/14/2011	Fe-59	2.35E+00	3.14E+00	1.03E+01	U
TF	02	280312001	6/14/2011	I-131	2.27E+00	3.14E+00	1.05E+01	U
TF	02	280312001	6/14/2011	K-40	1.34E+03	7.94E+01	4.21E+01	
TF	02	280312001	6/14/2011	La-140	-4.37E-01	2.46E+00	8.08E+00	U
TF	02	280312001	6/14/2011	Mn-54	-6.27E-02	1.31E+00	4.27E+00	U
TF	02	280312001	6/14/2011	Nb-95	2.40E-01	1.48E+00	4.85E+00	U
TF	02	280312001	6/14/2011	Ru-103	8.30E-01	1.47E+00	4.87E+00	U
TF	02	280312001	6/14/2011	Ru-106	1.65E+00	1.20E+01	3.95E+01	U
TF	02	280312001	6/14/2011	Sb-124	-7.61E+00	7.26E+00	9.37E+00	U
TF	02	280312001	6/14/2011	Sb-125	-1.35E+00	3.44E+00	1.13E+01	U
TF	02	280312001	6/14/2011	Se-75	6.54E-01	1.78E+00	5.95E+00	U
TF	02	280312001	6/14/2011	Th-228	-6.67E+00	4.73E+00	8.44E+00	U
TF	02	280312001	6/14/2011	Zn-65	6.10E-01	3.44E+00	1.12E+01	U
TF	02	280312001	6/14/2011	Zr-95	1.61E+00	2.62E+00	8.65E+00	U
TF	02	283014001	7/26/2011	Ac-228	1.86E-01	9.25E+00	1.75E+01	U
TF	02	283014001	7/26/2011	Ag-108m	9.24E-01	1.05E+00	3.41E+00	U
TF	02	283014001	7/26/2011	Ag-110m	-1.53E+00	1.21E+00	3.72E+00	U
TF	02	283014001	7/26/2011	Ba-140	-3.27E+00	2.29E+00	6.36E+00	U
TF	02	283014001	7/26/2011	Be-7	1.04E+01	9.89E+00	3.20E+01	U
TF	02	283014001	7/26/2011	Ce-141	-2.62E+00	2.62E+00	5.86E+00	U
TF	02	283014001	7/26/2011	Ce-144	2.45E+00	6.23E+00	2.04E+01	U
TF	02	283014001	7/26/2011	Co-57	-7.90E-01	8.37E-01	2.64E+00	U
TF	02	283014001	7/26/2011	Co-58	-1.49E+00	1.25E+00	3.79E+00	U
TF	02	283014001	7/26/2011	Co-60	-1.54E+00	1.39E+00	4.23E+00	U
TF	02	283014001	7/26/2011	Cr-51	4.11E+00	1.08E+01	3.62E+01	U
TF	02	283014001	7/26/2011	Cs-134	-2.26E+00	2.10E+00	4.98E+00	U
TF	02	283014001	7/26/2011	Cs-137	2.40E-01	1.56E+00	4.28E+00	U
TF	02	283014001	7/26/2011	Fe-59	4.48E+00	3.13E+00	1.04E+01	U
TF	02	283014001	7/26/2011	I-131	1.01E+00	2.46E+00	8.18E+00	U
TF	02	283014001	7/26/2011	K-40	2.60E+03	1.30E+02	3.55E+01	
TF	02	283014001	7/26/2011	La-140	-3.27E+00	2.28E+00	6.36E+00	U
TF	02	283014001	7/26/2011	Mn-54	-1.26E+00	1.24E+00	3.83E+00	U
TF	02	283014001	7/26/2011	Nb-95	-7.86E-01	1.62E+00	4.31E+00	U
TF	02	283014001	7/26/2011	Ru-103	-1.45E+00	1.30E+00	3.92E+00	U
TF	02	283014001	7/26/2011	Ru-106	-1.88E+01	1.12E+01	3.30E+01	U
TF	02	283014001	7/26/2011	Sb-124	-4.43E+00	2.98E+00	8.12E+00	U
TF	02	283014001	7/26/2011	Sb-125	-1.14E+00	2.95E+00	9.50E+00	U
TF	02	283014001	7/26/2011	Se-75	-8.77E-01	1.44E+00	4.76E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TF	02	283014001	7/26/2011	Th-228	-3.04E+00	2.79E+00	7.07E+00	U
TF	02	283014001	7/26/2011	Zn-65	-4.06E+00	3.33E+00	1.03E+01	U
TF	02	283014001	7/26/2011	Zr-95	3.77E-02	2.28E+00	7.56E+00	U
TF	02	284902001	8/23/2011	Ac-228	-1.06E+01	1.72E+01	4.20E+01	U
TF	02	284902001	8/23/2011	Ag-108m	-4.98E+00	2.62E+00	7.43E+00	U
TF	02	284902001	8/23/2011	Ag-110m	1.84E+00	2.61E+00	8.76E+00	U
TF	02	284902001	8/23/2011	Ba-140	1.99E+00	4.85E+00	1.62E+01	U
TF	02	284902001	8/23/2011	Be-7	-1.47E+01	2.33E+01	7.45E+01	U
TF	02	284902001	8/23/2011	Ce-141	4.18E+00	4.41E+00	1.40E+01	U
TF	02	284902001	8/23/2011	Ce-144	-1.67E+01	1.63E+01	4.97E+01	U
TF	02	284902001	8/23/2011	Co-57	4.09E-01	2.46E+00	6.67E+00	U
TF	02	284902001	8/23/2011	Co-58	-3.49E+00	2.82E+00	8.50E+00	U
TF	02	284902001	8/23/2011	Co-60	2.27E+00	2.93E+00	9.63E+00	U
TF	02	284902001	8/23/2011	Cr-51	-2.82E+01	2.65E+01	8.08E+01	U
TF	02	284902001	8/23/2011	Cs-134	-8.33E+00	3.74E+00	9.60E+00	U
TF	02	284902001	8/23/2011	Cs-137	5.99E+00	3.14E+00	9.89E+00	U
TF	02	284902001	8/23/2011	Fe-59	-5.15E+00	5.94E+00	1.87E+01	U
TF	02	284902001	8/23/2011	I-131	-1.97E+00	5.14E+00	1.71E+01	U
TF	02	284902001	8/23/2011	K-40	2.09E+03	1.45E+02	8.42E+01	
TF	02	284902001	8/23/2011	La-140	1.99E+00	4.85E+00	1.62E+01	U
TF	02	284902001	8/23/2011	Mn-54	-7.60E-02	2.92E+00	9.54E+00	U
TF	02	284902001	8/23/2011	Nb-95	3.09E+00	2.92E+00	9.59E+00	U
TF	02	284902001	8/23/2011	Ru-103	-1.78E+00	2.83E+00	9.03E+00	U
TF	02	284902001	8/23/2011	Ru-106	-1.39E+01	2.40E+01	7.87E+01	U
TF	02	284902001	8/23/2011	Sb-124	1.27E+01	7.14E+00	2.31E+01	U
TF	02	284902001	8/23/2011	Sb-125	8.55E+00	7.14E+00	2.34E+01	U
TF	02	284902001	8/23/2011	Se-75	-2.15E+00	3.47E+00	1.11E+01	U
TF	02	284902001	8/23/2011	Th-228	7.44E+00	7.36E+00	1.79E+01	U
TF	02	284902001	8/23/2011	Zn-65	-6.47E+00	6.56E+00	2.04E+01	U
TF	02	284902001	8/23/2011	Zr-95	1.30E+00	4.97E+00	1.65E+01	U
TF	03	280312002	6/14/2011	Ac-228	1.69E+00	6.19E+00	1.52E+01	U
TF	03	280312002	6/14/2011	Ag-108m	5.56E-01	7.72E-01	2.60E+00	U
TF	03	280312002	6/14/2011	Ag-110m	-2.36E+00	1.07E+00	2.73E+00	U
TF	03	280312002	6/14/2011	Ba-140	-9.82E-01	1.75E+00	5.62E+00	U
TF	03	280312002	6/14/2011	Be-7	8.46E+01	1.45E+01	2.65E+01	
TF	03	280312002	6/14/2011	Ce-141	-1.66E+00	1.49E+00	4.71E+00	U
TF	03	280312002	6/14/2011	Ce-144	5.86E+00	5.14E+00	1.69E+01	U
TF	03	280312002	6/14/2011	Co-57	2.35E-01	6.50E-01	2.20E+00	U
TF	03	280312002	6/14/2011	Co-58	-1.35E+00	1.08E+00	3.14E+00	U
TF	03	280312002	6/14/2011	Co-60	7.83E-01	1.15E+00	3.80E+00	U
TF	03	280312002	6/14/2011	Cr-51	-2.27E+00	8.85E+00	2.80E+01	U
TF	03	280312002	6/14/2011	Cs-134	-7.79E-01	1.22E+00	3.43E+00	U
TF	03	280312002	6/14/2011	Cs-137	2.45E+00	1.14E+00	3.45E+00	U
TF	03	280312002	6/14/2011	Fe-59	-2.29E+00	2.24E+00	6.87E+00	U
TF	03	280312002	6/14/2011	I-131	2.11E+00	2.00E+00	6.75E+00	U
TF	03	280312002	6/14/2011	K-40	1.25E+03	7.17E+01	2.89E+01	
TF	03	280312002	6/14/2011	La-140	-9.82E-01	1.75E+00	5.62E+00	U
TF	03	280312002	6/14/2011	Mn-54	-5.65E-01	9.20E-01	3.01E+00	U
TF	03	280312002	6/14/2011	Nb-95	3.03E+00	1.26E+00	3.65E+00	U
TF	03	280312002	6/14/2011	Ru-103	-4.37E-01	9.94E-01	3.25E+00	U
TF	03	280312002	6/14/2011	Ru-106	1.53E+01	9.10E+00	2.88E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TF	03	280312002	6/14/2011	Sb-124	-9.85E-01	2.15E+00	6.90E+00	U
TF	03	280312002	6/14/2011	Sb-125	1.26E+00	2.34E+00	7.90E+00	U
TF	03	280312002	6/14/2011	Se-75	5.82E-03	1.13E+00	3.66E+00	U
TF	03	280312002	6/14/2011	Th-228	1.79E+00	2.64E+00	5.73E+00	U
TF	03	280312002	6/14/2011	Zn-65	-6.44E+00	3.58E+00	7.93E+00	U
TF	03	280312002	6/14/2011	Zr-95	2.98E+00	1.92E+00	6.08E+00	U
TF	03	283014002	7/26/2011	Ac-228	6.65E+00	7.77E+00	2.01E+01	U
TF	03	283014002	7/26/2011	Ag-108m	-3.63E-01	9.81E-01	3.21E+00	U
TF	03	283014002	7/26/2011	Ag-110m	-1.57E+01	3.98E+00	3.77E+00	U
TF	03	283014002	7/26/2011	Ba-140	9.68E-01	2.35E+00	7.80E+00	U
TF	03	283014002	7/26/2011	Be-7	1.16E+01	1.10E+01	3.58E+01	U
TF	03	283014002	7/26/2011	Ce-141	-9.84E+00	3.47E+00	5.27E+00	U
TF	03	283014002	7/26/2011	Ce-144	-5.90E+00	5.60E+00	1.79E+01	U
TF	03	283014002	7/26/2011	Co-57	-1.56E+00	9.98E-01	2.29E+00	U
TF	03	283014002	7/26/2011	Co-58	1.27E+00	1.36E+00	4.55E+00	U
TF	03	283014002	7/26/2011	Co-60	-3.12E+00	2.34E+00	5.42E+00	U
TF	03	283014002	7/26/2011	Cr-51	1.48E+00	1.04E+01	3.52E+01	U
TF	03	283014002	7/26/2011	Cs-134	6.70E-02	1.58E+00	5.26E+00	U
TF	03	283014002	7/26/2011	Cs-137	-1.01E+00	2.93E+00	7.36E+00	U
TF	03	283014002	7/26/2011	Fe-59	-1.25E+00	3.21E+00	1.02E+01	U
TF	03	283014002	7/26/2011	I-131	-1.24E+00	2.34E+00	7.69E+00	U
TF	03	283014002	7/26/2011	K-40	1.64E+03	9.24E+01	4.56E+01	
TF	03	283014002	7/26/2011	La-140	9.68E-01	2.35E+00	7.80E+00	U
TF	03	283014002	7/26/2011	Mn-54	3.33E-01	1.23E+00	4.10E+00	U
TF	03	283014002	7/26/2011	Nb-95	-1.07E-01	1.37E+00	4.56E+00	U
TF	03	283014002	7/26/2011	Ru-103	-1.41E+00	1.37E+00	4.22E+00	U
TF	03	283014002	7/26/2011	Ru-106	1.90E+00	1.12E+01	3.60E+01	U
TF	03	283014002	7/26/2011	Sb-124	-3.51E+00	3.17E+00	9.19E+00	U
TF	03	283014002	7/26/2011	Sb-125	-2.08E+00	3.08E+00	9.90E+00	U
TF	03	283014002	7/26/2011	Se-75	-1.90E+00	1.47E+00	4.37E+00	U
TF	03	283014002	7/26/2011	Th-228	4.02E+00	3.54E+00	6.72E+00	U
TF	03	283014002	7/26/2011	Zn-65	-1.24E+00	3.52E+00	1.12E+01	U
TF	03	283014002	7/26/2011	Zr-95	-1.46E+00	2.35E+00	7.62E+00	U
TF	03	284902002	8/23/2011	Ac-228	1.04E+01	8.99E+00	2.01E+01	U
TF	03	284902002	8/23/2011	Ag-108m	-2.83E+00	1.34E+00	3.57E+00	U
TF	03	284902002	8/23/2011	Ag-110m	-6.88E-01	1.22E+00	3.99E+00	U
TF	03	284902002	8/23/2011	Ba-140	-2.83E+00	3.02E+00	8.19E+00	U
TF	03	284902002	8/23/2011	Be-7	-1.00E+01	1.11E+01	3.43E+01	U
TF	03	284902002	8/23/2011	Ce-141	-3.98E-01	3.20E+00	7.48E+00	U
TF	03	284902002	8/23/2011	Ce-144	1.15E+01	8.33E+00	2.63E+01	U
TF	03	284902002	8/23/2011	Co-57	-1.24E+00	1.08E+00	3.32E+00	U
TF	03	284902002	8/23/2011	Co-58	-2.04E+00	1.49E+00	4.44E+00	U
TF	03	284902002	8/23/2011	Co-60	1.73E+00	1.69E+00	5.70E+00	U
TF	03	284902002	8/23/2011	Cr-51	-1.05E+01	1.24E+01	3.97E+01	U
TF	03	284902002	8/23/2011	Cs-134	3.38E+00	1.88E+00	5.42E+00	U
TF	03	284902002	8/23/2011	Cs-137	-6.47E-01	2.07E+00	4.50E+00	U
TF	03	284902002	8/23/2011	Fe-59	-5.15E-01	3.32E+00	1.07E+01	U
TF	03	284902002	8/23/2011	I-131	-2.74E+00	3.10E+00	8.44E+00	U
TF	03	284902002	8/23/2011	K-40	2.25E+03	1.29E+02	4.61E+01	
TF	03	284902002	8/23/2011	La-140	-2.83E+00	3.02E+00	8.19E+00	U
TF	03	284902002	8/23/2011	Mn-54	-5.76E-01	1.36E+00	4.39E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TF	03	284902002	8/23/2011	Nb-95	1.07E-03	1.40E+00	4.67E+00	U
TF	03	284902002	8/23/2011	Ru-103	-1.07E+00	1.35E+00	4.20E+00	U
TF	03	284902002	8/23/2011	Ru-106	-1.02E+00	1.19E+01	3.99E+01	U
TF	03	284902002	8/23/2011	Sb-124	-8.96E-01	3.15E+00	1.01E+01	U
TF	03	284902002	8/23/2011	Sb-125	-4.00E+00	3.74E+00	1.15E+01	U
TF	03	284902002	8/23/2011	Se-75	-1.63E+00	1.74E+00	5.61E+00	U
TF	03	284902002	8/23/2011	Th-228	-2.59E+00	3.02E+00	8.13E+00	U
TF	03	284902002	8/23/2011	Zn-65	-3.80E+00	3.50E+00	1.04E+01	U
TF	03	284902002	8/23/2011	Zr-95	-2.37E+00	2.44E+00	7.62E+00	U
TF	06	280312003	6/14/2011	Ac-228	-4.05E-01	6.59E+00	1.62E+01	U
TF	06	280312003	6/14/2011	Ag-108m	-1.85E+00	9.65E-01	2.66E+00	U
TF	06	280312003	6/14/2011	Ag-110m	1.32E-01	9.79E-01	3.29E+00	U
TF	06	280312003	6/14/2011	Ba-140	1.56E+00	2.21E+00	7.33E+00	U
TF	06	280312003	6/14/2011	Be-7	7.03E+01	1.37E+01	2.93E+01	
TF	06	280312003	6/14/2011	Ce-141	3.21E+00	1.96E+00	5.48E+00	U
TF	06	280312003	6/14/2011	Ce-144	-5.79E+00	5.60E+00	1.74E+01	U
TF	06	280312003	6/14/2011	Co-57	3.26E-01	7.11E-01	2.34E+00	U
TF	06	280312003	6/14/2011	Co-58	-2.91E-01	1.15E+00	3.74E+00	U
TF	06	280312003	6/14/2011	Co-60	8.59E-01	1.15E+00	3.85E+00	U
TF	06	280312003	6/14/2011	Cr-51	-1.79E+01	1.03E+01	2.99E+01	U
TF	06	280312003	6/14/2011	Cs-134	-1.81E+00	1.38E+00	4.13E+00	U
TF	06	280312003	6/14/2011	Cs-137	9.79E-01	1.13E+00	3.78E+00	U
TF	06	280312003	6/14/2011	Fe-59	-6.16E-01	2.35E+00	7.79E+00	U
TF	06	280312003	6/14/2011	I-131	-2.26E+00	2.37E+00	7.45E+00	U
TF	06	280312003	6/14/2011	K-40	9.66E+02	5.91E+01	3.56E+01	
TF	06	280312003	6/14/2011	La-140	1.56E+00	2.21E+00	7.33E+00	U
TF	06	280312003	6/14/2011	Mn-54	1.36E+00	1.15E+00	3.76E+00	U
TF	06	280312003	6/14/2011	Nb-95	3.14E+00	1.36E+00	4.09E+00	U
TF	06	280312003	6/14/2011	Ru-103	-9.26E-01	1.14E+00	3.52E+00	U
TF	06	280312003	6/14/2011	Ru-106	-6.10E+00	9.49E+00	3.10E+01	U
TF	06	280312003	6/14/2011	Sb-124	4.88E-01	2.57E+00	8.40E+00	U
TF	06	280312003	6/14/2011	Sb-125	-1.19E+00	2.65E+00	8.50E+00	U
TF	06	280312003	6/14/2011	Se-75	1.38E+00	1.29E+00	4.29E+00	U
TF	06	280312003	6/14/2011	Th-228	1.30E-01	2.71E+00	6.22E+00	U
TF	06	280312003	6/14/2011	Zn-65	1.23E+00	2.57E+00	8.69E+00	U
TF	06	280312003	6/14/2011	Zr-95	2.11E+00	2.07E+00	6.85E+00	U
TF	06	283014003	7/26/2011	Ac-228	-7.68E+00	6.22E+00	1.49E+01	U
TF	06	283014003	7/26/2011	Ag-108m	-3.32E-01	8.30E-01	2.70E+00	U
TF	06	283014003	7/26/2011	Ag-110m	-4.00E-02	8.63E-01	2.77E+00	U
TF	06	283014003	7/26/2011	Ba-140	-3.21E+00	3.27E+00	5.48E+00	U
TF	06	283014003	7/26/2011	Be-7	-5.96E+00	8.29E+00	2.62E+01	U
TF	06	283014003	7/26/2011	Ce-141	-2.62E+00	1.70E+00	4.97E+00	U
TF	06	283014003	7/26/2011	Ce-144	6.08E+00	5.59E+00	1.79E+01	U
TF	06	283014003	7/26/2011	Co-57	7.19E-01	7.09E-01	2.29E+00	U
TF	06	283014003	7/26/2011	Co-58	2.08E+00	1.07E+00	3.44E+00	U
TF	06	283014003	7/26/2011	Co-60	-3.79E-01	1.57E+00	3.86E+00	U
TF	06	283014003	7/26/2011	Cr-51	3.38E+00	8.88E+00	2.99E+01	U
TF	06	283014003	7/26/2011	Cs-134	-3.97E+00	1.75E+00	3.79E+00	U
TF	06	283014003	7/26/2011	Cs-137	-3.51E-01	9.74E-01	3.08E+00	U
TF	06	283014003	7/26/2011	Fe-59	-2.53E+00	2.39E+00	7.31E+00	U
TF	06	283014003	7/26/2011	I-131	5.61E-01	2.02E+00	6.74E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TF	06	283014003	7/26/2011	K-40	1.54E+03	8.21E+01	3.30E+01	
TF	06	283014003	7/26/2011	La-140	-3.21E+00	3.27E+00	5.48E+00	U
TF	06	283014003	7/26/2011	Mn-54	-1.66E+00	1.06E+00	3.12E+00	U
TF	06	283014003	7/26/2011	Nb-95	7.71E-01	9.82E-01	3.33E+00	U
TF	06	283014003	7/26/2011	Ru-103	-7.80E-01	1.03E+00	3.24E+00	U
TF	06	283014003	7/26/2011	Ru-106	5.19E+00	8.52E+00	2.78E+01	U
TF	06	283014003	7/26/2011	Sb-124	-2.80E+00	2.24E+00	6.55E+00	U
TF	06	283014003	7/26/2011	Sb-125	1.19E+00	2.51E+00	8.34E+00	U
TF	06	283014003	7/26/2011	Se-75	6.83E-01	1.21E+00	4.10E+00	U
TF	06	283014003	7/26/2011	Th-228	3.42E+00	3.02E+00	6.15E+00	U
TF	06	283014003	7/26/2011	Zn-65	-4.90E-01	2.41E+00	7.84E+00	U
TF	06	283014003	7/26/2011	Zr-95	8.09E-01	2.21E+00	6.10E+00	U
TF	06	284902003	8/23/2011	Ac-228	-1.39E+01	7.48E+00	1.78E+01	U
TF	06	284902003	8/23/2011	Ag-108m	-1.17E+00	1.04E+00	3.24E+00	U
TF	06	284902003	8/23/2011	Ag-110m	2.00E-01	1.13E+00	3.66E+00	U
TF	06	284902003	8/23/2011	Ba-140	-8.32E-02	2.02E+00	6.67E+00	U
TF	06	284902003	8/23/2011	Be-7	1.64E+01	1.38E+01	3.63E+01	U
TF	06	284902003	8/23/2011	Ce-141	1.38E+00	1.84E+00	6.12E+00	U
TF	06	284902003	8/23/2011	Ce-144	6.18E-01	6.77E+00	2.27E+01	U
TF	06	284902003	8/23/2011	Co-57	6.05E-03	8.31E-01	2.79E+00	U
TF	06	284902003	8/23/2011	Co-58	7.86E-01	1.24E+00	4.23E+00	U
TF	06	284902003	8/23/2011	Co-60	3.74E-01	1.53E+00	4.99E+00	U
TF	06	284902003	8/23/2011	Cr-51	6.66E+00	1.04E+01	3.54E+01	U
TF	06	284902003	8/23/2011	Cs-134	-6.28E-01	1.54E+00	5.09E+00	U
TF	06	284902003	8/23/2011	Cs-137	7.07E-02	1.20E+00	3.90E+00	U
TF	06	284902003	8/23/2011	Fe-59	3.49E-01	3.16E+00	1.04E+01	U
TF	06	284902003	8/23/2011	I-131	1.06E+00	2.87E+00	8.08E+00	U
TF	06	284902003	8/23/2011	K-40	2.33E+03	1.22E+02	4.17E+01	
TF	06	284902003	8/23/2011	La-140	-8.32E-02	2.02E+00	6.67E+00	U
TF	06	284902003	8/23/2011	Mn-54	-2.34E-01	1.23E+00	4.08E+00	U
TF	06	284902003	8/23/2011	Nb-95	2.20E-01	1.53E+00	4.51E+00	U
TF	06	284902003	8/23/2011	Ru-103	-9.79E-01	1.27E+00	4.03E+00	U
TF	06	284902003	8/23/2011	Ru-106	-9.57E+00	1.08E+01	3.31E+01	U
TF	06	284902003	8/23/2011	Sb-124	2.52E+00	2.97E+00	1.01E+01	U
TF	06	284902003	8/23/2011	Sb-125	8.44E-01	3.04E+00	1.02E+01	U
TF	06	284902003	8/23/2011	Se-75	-8.45E-01	1.52E+00	4.76E+00	U
TF	06	284902003	8/23/2011	Th-228	1.83E-01	3.65E+00	7.56E+00	U
TF	06	284902003	8/23/2011	Zn-65	-6.29E+00	3.75E+00	1.05E+01	U
TF	06	284902003	8/23/2011	Zr-95	-1.37E+00	2.11E+00	6.87E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TG	08	278773001	5/21/2011	Ac-228	1.41E+01	1.30E+01	3.52E+01	U
TG	08	278773001	5/21/2011	Ag-108m	-2.13E+00	2.03E+00	6.39E+00	U
TG	08	278773001	5/21/2011	Ag-110m	5.72E-03	2.11E+00	6.90E+00	U
TG	08	278773001	5/21/2011	Ba-140	1.48E+00	4.63E+00	1.53E+01	U
TG	08	278773001	5/21/2011	Be-7	1.05E+03	7.06E+01	6.71E+01	
TG	08	278773001	5/21/2011	Ce-141	9.34E+00	5.33E+00	1.46E+01	U
TG	08	278773001	5/21/2011	Ce-144	-1.20E+01	1.42E+01	4.51E+01	U
TG	08	278773001	5/21/2011	Co-57	-9.55E-01	1.80E+00	5.84E+00	U
TG	08	278773001	5/21/2011	Co-58	-1.43E+00	2.48E+00	7.78E+00	U
TG	08	278773001	5/21/2011	Co-60	3.19E+00	2.70E+00	8.92E+00	U
TG	08	278773001	5/21/2011	Cr-51	3.30E+01	2.46E+01	8.10E+01	U
TG	08	278773001	5/21/2011	Cs-134	-5.67E-02	2.80E+00	9.04E+00	U
TG	08	278773001	5/21/2011	Cs-137	2.40E+00	2.31E+00	7.56E+00	U
TG	08	278773001	5/21/2011	Fe-59	-1.26E+00	5.56E+00	1.83E+01	U
TG	08	278773001	5/21/2011	I-131	6.46E+00	7.16E+00	2.39E+01	U
TG	08	278773001	5/21/2011	K-40	3.37E+03	2.01E+02	7.70E+01	
TG	08	278773001	5/21/2011	La-140	1.48E+00	4.63E+00	1.53E+01	U
TG	08	278773001	5/21/2011	Mn-54	1.11E+00	2.42E+00	7.87E+00	U
TG	08	278773001	5/21/2011	Nb-95	1.67E+00	2.55E+00	8.34E+00	U
TG	08	278773001	5/21/2011	Ru-103	1.65E+00	2.61E+00	8.68E+00	U
TG	08	278773001	5/21/2011	Ru-106	-2.08E+01	2.13E+01	6.59E+01	U
TG	08	278773001	5/21/2011	Sb-124	-2.80E+00	4.97E+00	1.53E+01	U
TG	08	278773001	5/21/2011	Sb-125	7.24E-01	6.00E+00	2.01E+01	U
TG	08	278773001	5/21/2011	Se-75	1.40E+00	3.18E+00	1.03E+01	U
TG	08	278773001	5/21/2011	Th-228	1.83E+01	7.53E+00	1.32E+01	
TG	08	278773001	5/21/2011	Zn-65	-1.24E+01	6.60E+00	1.84E+01	U
TG	08	278773001	5/21/2011	Zr-95	5.42E+00	4.61E+00	1.49E+01	U
TG	08	280316001	6/14/2011	Ac-228	2.22E+01	1.30E+01	4.19E+01	U
TG	08	280316001	6/14/2011	Ag-108m	-4.26E-01	2.59E+00	8.51E+00	U
TG	08	280316001	6/14/2011	Ag-110m	-6.76E-02	3.17E+00	1.03E+01	U
TG	08	280316001	6/14/2011	Ba-140	-9.17E+00	6.31E+00	1.76E+01	U
TG	08	280316001	6/14/2011	Be-7	8.53E+02	6.55E+01	8.58E+01	
TG	08	280316001	6/14/2011	Ce-141	2.94E+00	4.97E+00	1.60E+01	U
TG	08	280316001	6/14/2011	Ce-144	3.08E+00	1.68E+01	5.43E+01	U
TG	08	280316001	6/14/2011	Co-57	3.47E+00	2.36E+00	7.35E+00	U
TG	08	280316001	6/14/2011	Co-58	8.48E-01	3.23E+00	1.09E+01	U
TG	08	280316001	6/14/2011	Co-60	1.52E+00	3.63E+00	1.21E+01	U
TG	08	280316001	6/14/2011	Cr-51	2.25E+01	2.98E+01	9.92E+01	U
TG	08	280316001	6/14/2011	Cs-134	8.13E+00	4.19E+00	1.33E+01	U
TG	08	280316001	6/14/2011	Cs-137	-5.99E+00	4.78E+00	1.12E+01	U
TG	08	280316001	6/14/2011	Fe-59	7.99E+00	6.85E+00	2.28E+01	U
TG	08	280316001	6/14/2011	I-131	-7.75E+00	6.85E+00	2.14E+01	U
TG	08	280316001	6/14/2011	K-40	3.08E+03	1.79E+02	1.02E+02	
TG	08	280316001	6/14/2011	La-140	-9.17E+00	6.30E+00	1.76E+01	U
TG	08	280316001	6/14/2011	Mn-54	-3.05E+00	3.20E+00	1.02E+01	U
TG	08	280316001	6/14/2011	Nb-95	3.12E+00	3.18E+00	1.03E+01	U
TG	08	280316001	6/14/2011	Ru-103	-8.38E+00	3.88E+00	1.02E+01	U
TG	08	280316001	6/14/2011	Ru-106	-1.79E+01	3.04E+01	9.62E+01	U
TG	08	280316001	6/14/2011	Sb-124	3.88E+00	8.53E+00	2.81E+01	U
TG	08	280316001	6/14/2011	Sb-125	-1.19E+01	8.32E+00	2.50E+01	U
TG	08	280316001	6/14/2011	Se-75	2.01E+00	3.77E+00	1.27E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TG	08	280316001	6/14/2011	Th-228	-1.14E+01	8.89E+00	1.82E+01	U
TG	08	280316001	6/14/2011	Zn-65	-9.20E+00	7.42E+00	2.25E+01	U
TG	08	280316001	6/14/2011	Zr-95	4.23E+00	6.23E+00	2.03E+01	U
TG	08	283013001	7/26/2011	Ac-228	5.81E+01	1.84E+01	3.90E+01	UI
TG	08	283013001	7/26/2011	Ag-108m	-1.25E+00	1.97E+00	6.34E+00	U
TG	08	283013001	7/26/2011	Ag-110m	-1.42E+00	2.37E+00	7.50E+00	U
TG	08	283013001	7/26/2011	Ba-140	-6.82E+00	4.98E+00	1.42E+01	U
TG	08	283013001	7/26/2011	Be-7	1.15E+03	7.42E+01	6.73E+01	
TG	08	283013001	7/26/2011	Ce-141	2.57E+00	3.77E+00	1.21E+01	U
TG	08	283013001	7/26/2011	Ce-144	-1.10E+01	1.35E+01	4.22E+01	U
TG	08	283013001	7/26/2011	Co-57	2.41E+00	1.71E+00	5.36E+00	U
TG	08	283013001	7/26/2011	Co-58	-3.37E-01	2.31E+00	7.74E+00	U
TG	08	283013001	7/26/2011	Co-60	-6.04E+00	3.97E+00	8.91E+00	U
TG	08	283013001	7/26/2011	Cr-51	-3.55E-01	2.20E+01	7.32E+01	U
TG	08	283013001	7/26/2011	Cs-134	4.60E+00	2.94E+00	9.64E+00	U
TG	08	283013001	7/26/2011	Cs-137	4.11E+00	2.75E+00	8.70E+00	U
TG	08	283013001	7/26/2011	Fe-59	-3.50E+00	5.45E+00	1.75E+01	U
TG	08	283013001	7/26/2011	I-131	9.78E-01	5.04E+00	1.68E+01	U
TG	08	283013001	7/26/2011	K-40	2.98E+03	1.60E+02	7.88E+01	
TG	08	283013001	7/26/2011	La-140	-6.82E+00	4.98E+00	1.42E+01	U
TG	08	283013001	7/26/2011	Mn-54	-5.66E-01	2.40E+00	7.98E+00	U
TG	08	283013001	7/26/2011	Nb-95	2.52E+00	2.67E+00	8.62E+00	U
TG	08	283013001	7/26/2011	Ru-103	-2.38E+00	2.59E+00	8.09E+00	U
TG	08	283013001	7/26/2011	Ru-106	-1.39E+01	2.22E+01	7.03E+01	U
TG	08	283013001	7/26/2011	Sb-124	-5.85E+00	5.74E+00	1.70E+01	U
TG	08	283013001	7/26/2011	Sb-125	1.51E+00	5.82E+00	1.93E+01	U
TG	08	283013001	7/26/2011	Se-75	9.55E-01	2.91E+00	9.79E+00	U
TG	08	283013001	7/26/2011	Th-228	-1.14E-01	6.10E+00	1.43E+01	U
TG	08	283013001	7/26/2011	Zn-65	-1.30E+01	6.65E+00	1.83E+01	U
TG	08	283013001	7/26/2011	Zr-95	1.45E+00	4.48E+00	1.45E+01	U
TG	08	284898001	8/23/2011	Ac-228	2.30E+01	3.59E+01	5.25E+01	U
TG	08	284898001	8/23/2011	Ag-108m	-5.66E+00	3.79E+00	1.10E+01	U
TG	08	284898001	8/23/2011	Ag-110m	-3.70E+00	3.97E+00	1.24E+01	U
TG	08	284898001	8/23/2011	Ba-140	-3.15E+01	1.04E+01	1.75E+01	U
TG	08	284898001	8/23/2011	Be-7	1.10E+03	9.84E+01	1.15E+02	
TG	08	284898001	8/23/2011	Ce-141	1.78E+01	7.84E+00	2.04E+01	U
TG	08	284898001	8/23/2011	Ce-144	5.78E+01	2.62E+01	7.53E+01	U
TG	08	284898001	8/23/2011	Co-57	-4.88E-01	2.77E+00	9.00E+00	U
TG	08	284898001	8/23/2011	Co-58	-5.37E+00	4.66E+00	1.39E+01	U
TG	08	284898001	8/23/2011	Co-60	3.77E+00	5.95E+00	1.67E+01	U
TG	08	284898001	8/23/2011	Cr-51	2.61E-01	3.74E+01	1.23E+02	U
TG	08	284898001	8/23/2011	Cs-134	1.47E+01	6.26E+00	1.86E+01	U
TG	08	284898001	8/23/2011	Cs-137	1.21E+01	5.25E+00	1.58E+01	U
TG	08	284898001	8/23/2011	Fe-59	-9.57E+00	1.01E+01	3.13E+01	U
TG	08	284898001	8/23/2011	I-131	5.64E+00	7.90E+00	2.59E+01	U
TG	08	284898001	8/23/2011	K-40	3.87E+03	2.31E+02	1.31E+02	
TG	08	284898001	8/23/2011	La-140	-3.15E+01	1.03E+01	1.75E+01	U
TG	08	284898001	8/23/2011	Mn-54	5.95E+00	4.56E+00	1.47E+01	U
TG	08	284898001	8/23/2011	Nb-95	-8.49E+00	6.85E+00	1.53E+01	U
TG	08	284898001	8/23/2011	Ru-103	-6.47E+00	4.38E+00	1.33E+01	U
TG	08	284898001	8/23/2011	Ru-106	-7.19E+00	3.63E+01	1.20E+02	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS	
TG	08	284898001	8/23/2011	Sb-124	-3.47E+00	9.77E+00	3.16E+01	U	
TG	08	284898001	8/23/2011	Sb-125	5.35E+00	1.11E+01	3.62E+01	U	
TG	08	284898001	8/23/2011	Se-75	-5.85E+00	5.06E+00	1.59E+01	U	
TG	08	284898001	8/23/2011	Th-228	1.44E+01	1.12E+01	2.41E+01	U	
TG	08	284898001	8/23/2011	Zn-65	-3.67E+00	1.33E+01	3.35E+01	U	
TG	08	284898001	8/23/2011	Zr-95	-5.16E+00	7.82E+00	2.47E+01	U	
TG	08	286562001	9/20/2011	Ac-228	2.61E+01	2.26E+01	4.26E+01	U	
TG	08	286562001	9/20/2011	Ag-108m	-2.50E+00	2.34E+00	7.46E+00	U	
TG	08	286562001	9/20/2011	Ag-110m	2.95E+00	2.96E+00	9.70E+00	U	
TG	08	286562001	9/20/2011	Ba-140	9.52E+00	1.39E+01	4.63E+01	U	
TG	08	286562001	9/20/2011	Be-7	1.20E+03	8.39E+01	1.01E+02		
TG	08	286562001	9/20/2011	Ce-141	-5.69E+00	9.73E+00	2.02E+01	U	
TG	08	286562001	9/20/2011	Ce-144	-3.21E+01	1.68E+01	4.79E+01	U	
TG	08	286562001	9/20/2011	Co-57	-4.23E+00	2.89E+00	6.31E+00	U	
TG	08	286562001	9/20/2011	Co-58	1.37E+00	3.59E+00	1.18E+01	U	
TG	08	286562001	9/20/2011	Co-60	2.60E+00	3.26E+00	1.09E+01	U	
TG	08	286562001	9/20/2011	Cr-51	-7.73E+00	4.13E+01	1.32E+02	U	
TG	08	286562001	9/20/2011	Cs-134	-2.32E+00	3.66E+00	1.16E+01	U	
TG	08	286562001	9/20/2011	Cs-137	2.02E+00	3.02E+00	9.98E+00	U	
TG	08	286562001	9/20/2011	Fe-59	-1.49E+01	9.19E+00	2.71E+01	U	
TG	08	286562001	9/20/2011	I-131	-4.85E+01	3.19E+01	9.23E+01	U	DL
TG	08	286562001	9/20/2011	K-40	4.11E+03	2.25E+02	9.26E+01		
TG	08	286562001	9/20/2011	La-140	9.52E+00	1.39E+01	4.63E+01	U	
TG	08	286562001	9/20/2011	Mn-54	-4.66E+00	3.22E+00	9.45E+00	U	
TG	08	286562001	9/20/2011	Nb-95	2.45E+00	3.59E+00	1.18E+01	U	
TG	08	286562001	9/20/2011	Ru-103	-3.47E+00	3.90E+00	1.25E+01	U	
TG	08	286562001	9/20/2011	Ru-106	1.02E+01	2.69E+01	8.92E+01	U	
TG	08	286562001	9/20/2011	Sb-124	7.87E+00	8.05E+00	2.69E+01	U	
TG	08	286562001	9/20/2011	Sb-125	6.75E+00	7.30E+00	2.44E+01	U	
TG	08	286562001	9/20/2011	Se-75	-5.38E+00	4.08E+00	1.23E+01	U	
TG	08	286562001	9/20/2011	Th-228	-1.01E+01	7.58E+00	1.56E+01	U	
TG	08	286562001	9/20/2011	Zn-65	-1.45E+01	7.70E+00	2.19E+01	U	
TG	08	286562001	9/20/2011	Zr-95	-4.34E+00	6.46E+00	2.05E+01	U	
TG	08	288565001	10/18/2011	Ac-228	1.27E+01	3.03E+01	5.85E+01	U	
TG	08	288565001	10/18/2011	Ag-108m	1.56E+00	3.20E+00	1.04E+01	U	
TG	08	288565001	10/18/2011	Ag-110m	-4.79E+00	3.38E+00	1.01E+01	U	
TG	08	288565001	10/18/2011	Ba-140	4.12E+00	5.40E+00	1.85E+01	U	
TG	08	288565001	10/18/2011	Be-7	2.94E+03	1.58E+02	9.87E+01		
TG	08	288565001	10/18/2011	Ce-141	6.40E+00	5.87E+00	1.85E+01	U	
TG	08	288565001	10/18/2011	Ce-144	5.47E+00	2.04E+01	6.57E+01	U	
TG	08	288565001	10/18/2011	Co-57	-6.51E-01	2.62E+00	8.41E+00	U	
TG	08	288565001	10/18/2011	Co-58	-7.95E+00	4.01E+00	1.07E+01	U	
TG	08	288565001	10/18/2011	Co-60	1.18E+00	3.82E+00	1.26E+01	U	
TG	08	288565001	10/18/2011	Cr-51	5.40E+01	3.70E+01	1.18E+02	U	
TG	08	288565001	10/18/2011	Cs-134	7.14E+00	4.51E+00	1.44E+01	U	
TG	08	288565001	10/18/2011	Cs-137	-5.51E+00	5.07E+00	1.21E+01	U	
TG	08	288565001	10/18/2011	Fe-59	-1.31E+01	8.39E+00	2.44E+01	U	
TG	08	288565001	10/18/2011	I-131	7.97E+00	6.83E+00	2.20E+01	U	
TG	08	288565001	10/18/2011	K-40	3.72E+03	2.26E+02	1.28E+02		
TG	08	288565001	10/18/2011	La-140	4.12E+00	5.40E+00	1.85E+01	U	
TG	08	288565001	10/18/2011	Mn-54	8.50E+00	4.07E+00	1.24E+01	U	

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TG	08	288565001	10/18/2011	Nb-95	4.91E+00	3.84E+00	1.25E+01	U
TG	08	288565001	10/18/2011	Ru-103	-1.37E+00	3.47E+00	1.16E+01	U
TG	08	288565001	10/18/2011	Ru-106	-4.77E+01	3.16E+01	9.35E+01	U
TG	08	288565001	10/18/2011	Sb-124	1.23E+01	9.05E+00	3.06E+01	U
TG	08	288565001	10/18/2011	Sb-125	2.04E+01	1.10E+01	3.36E+01	U
TG	08	288565001	10/18/2011	Se-75	2.27E+00	4.78E+00	1.59E+01	U
TG	08	288565001	10/18/2011	Th-228	1.18E+01	9.16E+00	2.21E+01	U
TG	08	288565001	10/18/2011	Zn-65	1.58E+01	1.05E+01	3.01E+01	U
TG	08	288565001	10/18/2011	Zr-95	3.57E+00	6.16E+00	2.04E+01	U
TG	09	278773002	5/21/2011	Ac-228	5.51E+00	1.18E+01	2.14E+01	U
TG	09	278773002	5/21/2011	Ag-108m	3.94E-01	1.27E+00	4.27E+00	U
TG	09	278773002	5/21/2011	Ag-110m	-1.39E+00	1.66E+00	5.13E+00	U
TG	09	278773002	5/21/2011	Ba-140	1.19E+00	4.69E+00	1.58E+01	U
TG	09	278773002	5/21/2011	Be-7	1.04E+03	6.24E+01	4.95E+01	
TG	09	278773002	5/21/2011	Ce-141	-4.33E+00	2.99E+00	9.14E+00	U
TG	09	278773002	5/21/2011	Ce-144	-4.43E+00	8.93E+00	2.96E+01	U
TG	09	278773002	5/21/2011	Co-57	9.49E-01	1.12E+00	3.76E+00	U
TG	09	278773002	5/21/2011	Co-58	-9.32E-01	1.60E+00	5.24E+00	U
TG	09	278773002	5/21/2011	Co-60	1.39E-01	2.00E+00	6.51E+00	U
TG	09	278773002	5/21/2011	Cr-51	1.79E+01	1.81E+01	5.76E+01	U
TG	09	278773002	5/21/2011	Cs-134	5.56E+00	2.44E+00	7.31E+00	U
TG	09	278773002	5/21/2011	Cs-137	3.12E+00	1.92E+00	6.12E+00	U
TG	09	278773002	5/21/2011	Fe-59	-1.42E+00	4.80E+00	1.56E+01	U
TG	09	278773002	5/21/2011	I-131	-2.69E+00	5.90E+00	1.97E+01	U
TG	09	278773002	5/21/2011	K-40	3.34E+03	1.77E+02	5.09E+01	
TG	09	278773002	5/21/2011	La-140	1.19E+00	4.69E+00	1.58E+01	U
TG	09	278773002	5/21/2011	Mn-54	2.35E+00	1.79E+00	6.01E+00	U
TG	09	278773002	5/21/2011	Nb-95	4.78E-01	2.02E+00	6.52E+00	U
TG	09	278773002	5/21/2011	Ru-103	8.49E-01	1.78E+00	5.98E+00	U
TG	09	278773002	5/21/2011	Ru-106	-8.60E+00	1.41E+01	4.45E+01	U
TG	09	278773002	5/21/2011	Sb-124	-8.05E+00	4.24E+00	1.05E+01	U
TG	09	278773002	5/21/2011	Sb-125	1.27E+01	4.84E+00	1.40E+01	U
TG	09	278773002	5/21/2011	Se-75	1.71E+00	2.11E+00	6.83E+00	U
TG	09	278773002	5/21/2011	Th-228	-7.43E+00	4.15E+00	9.77E+00	U
TG	09	278773002	5/21/2011	Zn-65	-4.45E+00	4.44E+00	1.37E+01	U
TG	09	278773002	5/21/2011	Zr-95	-5.10E+00	3.57E+00	1.01E+01	U
TG	09	280316002	6/14/2011	Ac-228	3.11E+01	1.82E+01	3.42E+01	U
TG	09	280316002	6/14/2011	Ag-108m	-2.19E+00	1.90E+00	5.93E+00	U
TG	09	280316002	6/14/2011	Ag-110m	-2.34E+00	2.18E+00	6.57E+00	U
TG	09	280316002	6/14/2011	Ba-140	-2.93E+00	4.19E+00	1.32E+01	U
TG	09	280316002	6/14/2011	Be-7	1.05E+03	6.17E+01	6.06E+01	
TG	09	280316002	6/14/2011	Ce-141	6.76E+00	3.98E+00	1.14E+01	U
TG	09	280316002	6/14/2011	Ce-144	4.63E+00	1.20E+01	4.02E+01	U
TG	09	280316002	6/14/2011	Co-57	1.41E-01	1.55E+00	5.22E+00	U
TG	09	280316002	6/14/2011	Co-58	-1.68E+00	2.44E+00	7.92E+00	U
TG	09	280316002	6/14/2011	Co-60	-6.60E-01	2.72E+00	8.66E+00	U
TG	09	280316002	6/14/2011	Cr-51	8.03E+00	2.13E+01	7.26E+01	U
TG	09	280316002	6/14/2011	Cs-134	4.19E+00	3.16E+00	9.35E+00	U
TG	09	280316002	6/14/2011	Cs-137	9.26E-01	2.43E+00	7.89E+00	U
TG	09	280316002	6/14/2011	Fe-59	-7.04E+00	5.67E+00	1.69E+01	U
TG	09	280316002	6/14/2011	I-131	5.08E+00	5.06E+00	1.70E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TG	09	280316002	6/14/2011	K-40	3.73E+03	1.98E+02	8.54E+01	
TG	09	280316002	6/14/2011	La-140	-2.93E+00	4.19E+00	1.32E+01	U
TG	09	280316002	6/14/2011	Mn-54	-2.20E+00	2.41E+00	7.68E+00	U
TG	09	280316002	6/14/2011	Nb-95	5.52E+00	2.69E+00	8.49E+00	U
TG	09	280316002	6/14/2011	Ru-103	1.30E+00	2.35E+00	7.78E+00	U
TG	09	280316002	6/14/2011	Ru-106	2.23E+01	2.15E+01	6.98E+01	U
TG	09	280316002	6/14/2011	Sb-124	3.12E+00	4.85E+00	1.64E+01	U
TG	09	280316002	6/14/2011	Sb-125	-3.32E+00	5.54E+00	1.80E+01	U
TG	09	280316002	6/14/2011	Se-75	1.77E+00	2.72E+00	8.75E+00	U
TG	09	280316002	6/14/2011	Th-228	-3.81E+00	6.06E+00	1.48E+01	U
TG	09	280316002	6/14/2011	Zn-65	3.69E+00	6.53E+00	1.88E+01	U
TG	09	280316002	6/14/2011	Zr-95	2.31E+00	4.15E+00	1.41E+01	U
TG	09	283013002	7/26/2011	Ac-228	5.90E+01	2.34E+01	2.96E+01	UI
TG	09	283013002	7/26/2011	Ag-108m	1.50E-01	1.96E+00	6.54E+00	U
TG	09	283013002	7/26/2011	Ag-110m	-3.68E+00	2.41E+00	6.89E+00	U
TG	09	283013002	7/26/2011	Ba-140	-5.48E+00	4.65E+00	1.38E+01	U
TG	09	283013002	7/26/2011	Be-7	1.01E+03	6.81E+01	6.68E+01	
TG	09	283013002	7/26/2011	Ce-141	1.41E+00	3.71E+00	1.24E+01	U
TG	09	283013002	7/26/2011	Ce-144	-1.49E+01	1.33E+01	4.20E+01	U
TG	09	283013002	7/26/2011	Co-57	2.22E+00	1.71E+00	5.59E+00	U
TG	09	283013002	7/26/2011	Co-58	-1.01E+00	2.40E+00	7.92E+00	U
TG	09	283013002	7/26/2011	Co-60	-1.54E+01	6.45E+00	9.50E+00	U
TG	09	283013002	7/26/2011	Cr-51	-3.95E+01	2.37E+01	7.14E+01	U
TG	09	283013002	7/26/2011	Cs-134	4.39E+00	3.08E+00	1.02E+01	U
TG	09	283013002	7/26/2011	Cs-137	2.85E+00	2.71E+00	8.77E+00	U
TG	09	283013002	7/26/2011	Fe-59	5.51E-01	5.81E+00	1.91E+01	U
TG	09	283013002	7/26/2011	I-131	4.43E+00	5.18E+00	1.74E+01	U
TG	09	283013002	7/26/2011	K-40	3.54E+03	1.92E+02	7.06E+01	
TG	09	283013002	7/26/2011	La-140	-5.48E+00	4.64E+00	1.38E+01	U
TG	09	283013002	7/26/2011	Mn-54	3.68E+00	2.67E+00	8.81E+00	U
TG	09	283013002	7/26/2011	Nb-95	-1.79E+00	4.23E+00	8.89E+00	U
TG	09	283013002	7/26/2011	Ru-103	-7.19E-02	2.47E+00	8.13E+00	U
TG	09	283013002	7/26/2011	Ru-106	5.36E+00	2.23E+01	7.28E+01	U
TG	09	283013002	7/26/2011	Sb-124	-1.00E+01	7.33E+00	1.66E+01	U
TG	09	283013002	7/26/2011	Sb-125	-3.25E+00	6.18E+00	2.02E+01	U
TG	09	283013002	7/26/2011	Se-75	-3.54E+00	3.08E+00	9.26E+00	U
TG	09	283013002	7/26/2011	Th-228	1.96E+01	7.76E+00	1.27E+01	UI
TG	09	283013002	7/26/2011	Zn-65	2.94E-01	8.05E+00	2.02E+01	U
TG	09	283013002	7/26/2011	Zr-95	3.44E+00	4.63E+00	1.57E+01	U
TG	09	284898002	8/23/2011	Ac-228	2.76E+01	2.07E+01	4.96E+01	U
TG	09	284898002	8/23/2011	Ag-108m	-2.95E-01	2.37E+00	7.64E+00	U
TG	09	284898002	8/23/2011	Ag-110m	-1.36E+01	4.36E+00	8.43E+00	U
TG	09	284898002	8/23/2011	Ba-140	-1.76E+00	5.08E+00	1.60E+01	U
TG	09	284898002	8/23/2011	Be-7	9.99E+02	7.21E+01	8.24E+01	
TG	09	284898002	8/23/2011	Ce-141	-3.51E+00	5.30E+00	1.38E+01	U
TG	09	284898002	8/23/2011	Ce-144	4.60E+00	1.51E+01	4.88E+01	U
TG	09	284898002	8/23/2011	Co-57	-2.56E+00	1.98E+00	5.96E+00	U
TG	09	284898002	8/23/2011	Co-58	7.53E-01	2.88E+00	9.49E+00	U
TG	09	284898002	8/23/2011	Co-60	7.03E-01	3.00E+00	9.96E+00	U
TG	09	284898002	8/23/2011	Cr-51	2.06E+01	2.56E+01	8.46E+01	U
TG	09	284898002	8/23/2011	Cs-134	-7.68E-01	3.63E+00	1.18E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS	
TG	09	284898002	8/23/2011	Cs-137	6.38E-01	4.35E+00	1.23E+01	U	
TG	09	284898002	8/23/2011	Fe-59	-5.73E+00	6.73E+00	2.13E+01	U	
TG	09	284898002	8/23/2011	I-131	-4.94E+00	5.71E+00	1.79E+01	U	
TG	09	284898002	8/23/2011	K-40	3.91E+03	2.14E+02	1.00E+02		
TG	09	284898002	8/23/2011	La-140	-1.76E+00	5.08E+00	1.60E+01	U	
TG	09	284898002	8/23/2011	Mn-54	-1.12E+00	2.90E+00	9.29E+00	U	
TG	09	284898002	8/23/2011	Nb-95	4.62E-01	3.04E+00	1.00E+01	U	
TG	09	284898002	8/23/2011	Ru-103	-1.59E+00	3.08E+00	9.61E+00	U	
TG	09	284898002	8/23/2011	Ru-106	-1.71E+01	2.59E+01	8.36E+01	U	
TG	09	284898002	8/23/2011	Sb-124	-9.99E+00	6.88E+00	1.94E+01	U	
TG	09	284898002	8/23/2011	Sb-125	1.13E+01	7.79E+00	2.48E+01	U	
TG	09	284898002	8/23/2011	Se-75	-7.24E-01	3.45E+00	1.15E+01	U	
TG	09	284898002	8/23/2011	Th-228	4.38E+00	7.02E+00	1.94E+01	U	
TG	09	284898002	8/23/2011	Zn-65	-4.42E+00	7.73E+00	2.13E+01	U	
TG	09	284898002	8/23/2011	Zr-95	3.48E-02	5.30E+00	1.74E+01	U	
TG	09	286562002	9/20/2011	Ac-228	7.22E+01	1.53E+01	3.81E+01		
TG	09	286562002	9/20/2011	Ag-108m	-5.94E-01	2.68E+00	8.65E+00	U	
TG	09	286562002	9/20/2011	Ag-110m	8.09E-01	3.02E+00	1.01E+01	U	
TG	09	286562002	9/20/2011	Ba-140	-2.98E+00	1.52E+01	5.00E+01	U	
TG	09	286562002	9/20/2011	Be-7	1.74E+03	1.06E+02	1.12E+02		
TG	09	286562002	9/20/2011	Ce-141	-7.85E+00	1.20E+01	2.61E+01	U	
TG	09	286562002	9/20/2011	Ce-144	-2.27E+01	1.91E+01	6.07E+01	U	
TG	09	286562002	9/20/2011	Co-57	1.27E+00	2.34E+00	7.89E+00	U	
TG	09	286562002	9/20/2011	Co-58	-1.08E-01	3.61E+00	1.19E+01	U	
TG	09	286562002	9/20/2011	Co-60	-3.24E+00	3.13E+00	9.78E+00	U	
TG	09	286562002	9/20/2011	Cr-51	4.54E+01	4.99E+01	1.62E+02	U	
TG	09	286562002	9/20/2011	Cs-134	2.69E+00	3.82E+00	1.27E+01	U	
TG	09	286562002	9/20/2011	Cs-137	1.21E+00	3.14E+00	1.05E+01	U	
TG	09	286562002	9/20/2011	Fe-59	-1.84E-01	8.80E+00	2.86E+01	U	
TG	09	286562002	9/20/2011	I-131	1.58E+01	3.50E+01	1.14E+02	U	DL
TG	09	286562002	9/20/2011	K-40	3.05E+03	1.66E+02	9.84E+01		
TG	09	286562002	9/20/2011	La-140	-2.98E+00	1.52E+01	5.00E+01	U	
TG	09	286562002	9/20/2011	Mn-54	4.44E+00	3.29E+00	1.06E+01	U	
TG	09	286562002	9/20/2011	Nb-95	2.21E+00	3.97E+00	1.32E+01	U	
TG	09	286562002	9/20/2011	Ru-103	6.28E-01	4.45E+00	1.44E+01	U	
TG	09	286562002	9/20/2011	Ru-106	-4.30E+01	3.01E+01	9.17E+01	U	
TG	09	286562002	9/20/2011	Sb-124	-4.87E+00	8.70E+00	2.78E+01	U	
TG	09	286562002	9/20/2011	Sb-125	-3.40E+00	8.23E+00	2.64E+01	U	
TG	09	286562002	9/20/2011	Se-75	1.52E-01	4.52E+00	1.49E+01	U	
TG	09	286562002	9/20/2011	Th-228	1.64E+01	1.35E+01	1.79E+01	U	
TG	09	286562002	9/20/2011	Zn-65	-1.91E+01	1.16E+01	2.36E+01	U	
TG	09	286562002	9/20/2011	Zr-95	6.02E+00	6.82E+00	2.26E+01	U	
TG	09	288565002	10/18/2011	Ac-228	4.07E+01	2.86E+01	4.69E+01	U	
TG	09	288565002	10/18/2011	Ag-108m	-2.49E+00	2.89E+00	9.21E+00	U	
TG	09	288565002	10/18/2011	Ag-110m	-6.62E+00	3.57E+00	9.65E+00	U	
TG	09	288565002	10/18/2011	Ba-140	7.91E+00	5.86E+00	1.98E+01	U	
TG	09	288565002	10/18/2011	Be-7	3.97E+03	2.00E+02	9.83E+01		
TG	09	288565002	10/18/2011	Ce-141	-1.64E+00	5.34E+00	1.76E+01	U	
TG	09	288565002	10/18/2011	Ce-144	-2.00E+00	1.93E+01	6.44E+01	U	
TG	09	288565002	10/18/2011	Co-57	8.93E-01	2.38E+00	8.02E+00	U	
TG	09	288565002	10/18/2011	Co-58	2.00E+00	3.60E+00	1.22E+01	U	

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TG	09	288565002	10/18/2011	Co-60	4.98E+00	4.12E+00	1.35E+01	U
TG	09	288565002	10/18/2011	Cr-51	-3.88E+01	3.26E+01	1.04E+02	U
TG	09	288565002	10/18/2011	Cs-134	1.62E+01	7.42E+00	1.57E+01	UI
TG	09	288565002	10/18/2011	Cs-137	4.61E+00	3.78E+00	1.22E+01	U
TG	09	288565002	10/18/2011	Fe-59	8.25E+00	8.08E+00	2.67E+01	U
TG	09	288565002	10/18/2011	I-131	3.93E+00	6.14E+00	2.08E+01	U
TG	09	288565002	10/18/2011	K-40	3.40E+03	2.02E+02	1.14E+02	
TG	09	288565002	10/18/2011	La-140	7.91E+00	5.85E+00	1.98E+01	U
TG	09	288565002	10/18/2011	Mn-54	1.62E+00	3.53E+00	1.19E+01	U
TG	09	288565002	10/18/2011	Nb-95	-4.15E+00	6.39E+00	1.30E+01	U
TG	09	288565002	10/18/2011	Ru-103	-3.76E+00	3.40E+00	1.05E+01	U
TG	09	288565002	10/18/2011	Ru-106	5.77E+01	3.34E+01	1.05E+02	U
TG	09	288565002	10/18/2011	Sb-124	-6.09E+00	7.16E+00	2.18E+01	U
TG	09	288565002	10/18/2011	Sb-125	1.06E+01	9.32E+00	3.08E+01	U
TG	09	288565002	10/18/2011	Se-75	-3.23E+00	4.59E+00	1.43E+01	U
TG	09	288565002	10/18/2011	Th-228	4.07E+01	9.31E+00	1.86E+01	
TG	09	288565002	10/18/2011	Zn-65	1.06E+01	9.61E+00	2.78E+01	U
TG	09	288565002	10/18/2011	Zr-95	-6.11E+00	6.60E+00	2.12E+01	U
TG	10	278773003	5/21/2011	Ac-228	1.52E+01	1.66E+01	3.96E+01	U
TG	10	278773003	5/21/2011	Ag-108m	5.07E-01	2.01E+00	6.72E+00	U
TG	10	278773003	5/21/2011	Ag-110m	-6.34E-01	2.57E+00	7.15E+00	U
TG	10	278773003	5/21/2011	Ba-140	-1.31E+01	8.35E+00	1.84E+01	U
TG	10	278773003	5/21/2011	Be-7	1.02E+03	7.25E+01	7.46E+01	
TG	10	278773003	5/21/2011	Ce-141	1.21E+00	4.00E+00	1.34E+01	U
TG	10	278773003	5/21/2011	Ce-144	-2.25E+01	1.41E+01	4.21E+01	U
TG	10	278773003	5/21/2011	Co-57	1.69E+00	1.70E+00	5.66E+00	U
TG	10	278773003	5/21/2011	Co-58	-7.35E+00	4.08E+00	8.74E+00	U
TG	10	278773003	5/21/2011	Co-60	-5.20E+00	2.95E+00	7.70E+00	U
TG	10	278773003	5/21/2011	Cr-51	-3.10E+01	2.56E+01	8.11E+01	U
TG	10	278773003	5/21/2011	Cs-134	3.94E+00	3.00E+00	1.01E+01	U
TG	10	278773003	5/21/2011	Cs-137	9.93E+01	7.08E+00	7.15E+00	
TG	10	278773003	5/21/2011	Fe-59	2.08E+00	6.60E+00	2.18E+01	U
TG	10	278773003	5/21/2011	I-131	-2.00E+00	8.56E+00	2.87E+01	U
TG	10	278773003	5/21/2011	K-40	3.39E+03	1.84E+02	6.98E+01	
TG	10	278773003	5/21/2011	La-140	-1.31E+01	8.33E+00	1.84E+01	U
TG	10	278773003	5/21/2011	Mn-54	-1.85E+00	2.51E+00	8.09E+00	U
TG	10	278773003	5/21/2011	Nb-95	-7.93E+00	4.59E+00	8.65E+00	U
TG	10	278773003	5/21/2011	Ru-103	-4.48E+00	2.94E+00	8.58E+00	U
TG	10	278773003	5/21/2011	Ru-106	8.19E+00	2.08E+01	6.80E+01	U
TG	10	278773003	5/21/2011	Sb-124	9.11E+00	5.34E+00	1.84E+01	U
TG	10	278773003	5/21/2011	Sb-125	-1.24E+00	5.94E+00	1.97E+01	U
TG	10	278773003	5/21/2011	Se-75	5.96E-01	3.17E+00	1.02E+01	U
TG	10	278773003	5/21/2011	Th-228	2.78E+00	6.18E+00	1.61E+01	U
TG	10	278773003	5/21/2011	Zn-65	2.58E+00	6.30E+00	2.08E+01	U
TG	10	278773003	5/21/2011	Zr-95	4.78E+00	4.51E+00	1.53E+01	U
TG	10	284947001	5/21/2011	Ac-228	1.49E+00	6.54E+00	1.88E+01	U
TG	10	284947001	5/21/2011	Ag-108m	1.27E-01	1.01E+00	3.33E+00	U
TG	10	284947001	5/21/2011	Ag-110m	3.56E+00	1.85E+00	5.06E+00	U
TG	10	284947001	5/21/2011	Ba-140	3.50E+02	3.17E+02	0.00E+00	UI
TG	10	284947001	5/21/2011	Be-7	9.19E+02	8.26E+01	1.07E+02	
TG	10	284947001	5/21/2011	Ce-141	3.01E+01	1.52E+01	4.50E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TG	10	284947001	5/21/2011	Ce-144	-1.54E+01	9.35E+00	2.69E+01	U
TG	10	284947001	5/21/2011	Co-57	-2.57E+00	1.26E+00	3.46E+00	U
TG	10	284947001	5/21/2011	Co-58	-2.92E+00	2.97E+00	9.39E+00	U
TG	10	284947001	5/21/2011	Co-60	2.24E+00	1.45E+00	4.76E+00	U
TG	10	284947001	5/21/2011	Cr-51	2.38E+02	1.24E+02	3.84E+02	U
TG	10	284947001	5/21/2011	Cs-134	1.41E+00	1.68E+00	5.68E+00	U
TG	10	284947001	5/21/2011	Cs-137	3.79E+01	3.14E+00	3.88E+00	M
TG	10	284947001	5/21/2011	Fe-59	6.75E+00	1.31E+01	4.37E+01	U
TG	10	284947001	5/21/2011	I-131	6.82E+03	7.36E+03	0.00E+00	UI
TG	10	284947001	5/21/2011	K-40	2.44E+03	1.22E+02	4.15E+01	
TG	10	284947001	5/21/2011	La-140	3.50E+02	3.17E+02	0.00E+00	UI
TG	10	284947001	5/21/2011	Mn-54	-2.88E+00	1.64E+00	4.71E+00	U
TG	10	284947001	5/21/2011	Nb-95	-4.35E+00	3.80E+00	1.13E+01	U
TG	10	284947001	5/21/2011	Ru-103	-6.96E+00	6.43E+00	1.97E+01	U
TG	10	284947001	5/21/2011	Ru-106	1.41E+01	1.30E+01	4.21E+01	U
TG	10	284947001	5/21/2011	Sb-124	3.38E+00	7.89E+00	2.61E+01	U
TG	10	284947001	5/21/2011	Sb-125	-1.66E+00	3.34E+00	1.08E+01	U
TG	10	284947001	5/21/2011	Se-75	-1.19E+00	2.52E+00	8.33E+00	U
TG	10	284947001	5/21/2011	Th-228	4.95E+00	4.13E+00	7.37E+00	U
TG	10	284947001	5/21/2011	Zn-65	3.48E+00	4.19E+00	1.40E+01	U
TG	10	284947001	5/21/2011	Zr-95	-1.37E+01	7.06E+00	1.87E+01	U
TG	10	280316003	6/14/2011	Ac-228	5.57E+01	2.64E+01	4.63E+01	UI
TG	10	280316003	6/14/2011	Ag-108m	1.60E+00	1.93E+00	6.42E+00	U
TG	10	280316003	6/14/2011	Ag-110m	3.21E+00	2.98E+00	8.45E+00	U
TG	10	280316003	6/14/2011	Ba-140	3.73E+00	5.10E+00	1.72E+01	U
TG	10	280316003	6/14/2011	Be-7	6.77E+02	5.41E+01	6.94E+01	
TG	10	280316003	6/14/2011	Ce-141	-2.73E+00	2.98E+00	9.48E+00	U
TG	10	280316003	6/14/2011	Ce-144	3.98E+00	1.01E+01	3.35E+01	U
TG	10	280316003	6/14/2011	Co-57	2.47E+00	1.37E+00	4.29E+00	U
TG	10	280316003	6/14/2011	Co-58	-3.78E+00	2.97E+00	9.06E+00	U
TG	10	280316003	6/14/2011	Co-60	-9.98E-01	3.06E+00	1.01E+01	U
TG	10	280316003	6/14/2011	Cr-51	-1.04E+01	2.08E+01	6.91E+01	U
TG	10	280316003	6/14/2011	Cs-134	2.26E+00	3.31E+00	1.11E+01	U
TG	10	280316003	6/14/2011	Cs-137	1.04E+01	3.53E+00	6.85E+00	M
TG	10	280316003	6/14/2011	Fe-59	7.11E+00	6.88E+00	2.25E+01	U
TG	10	280316003	6/14/2011	I-131	2.91E+00	5.04E+00	1.70E+01	U
TG	10	280316003	6/14/2011	K-40	3.65E+03	1.90E+02	8.71E+01	
TG	10	280316003	6/14/2011	La-140	3.73E+00	5.10E+00	1.72E+01	U
TG	10	280316003	6/14/2011	Mn-54	5.12E+00	2.96E+00	9.53E+00	U
TG	10	280316003	6/14/2011	Nb-95	1.82E+00	2.82E+00	9.53E+00	U
TG	10	280316003	6/14/2011	Ru-103	-2.66E+00	2.53E+00	7.77E+00	U
TG	10	280316003	6/14/2011	Ru-106	-5.07E+00	2.37E+01	7.58E+01	U
TG	10	280316003	6/14/2011	Sb-124	4.08E+00	6.39E+00	2.15E+01	U
TG	10	280316003	6/14/2011	Sb-125	1.36E+01	6.76E+00	2.09E+01	U
TG	10	280316003	6/14/2011	Se-75	-1.22E+00	2.70E+00	8.48E+00	U
TG	10	280316003	6/14/2011	Th-228	2.10E+01	6.70E+00	1.10E+01	
TG	10	280316003	6/14/2011	Zn-65	-6.53E+00	7.02E+00	2.15E+01	U
TG	10	280316003	6/14/2011	Zr-95	2.70E+00	4.82E+00	1.63E+01	U
TG	10	283183001	6/14/2011	Ac-228	4.83E+01	2.53E+01	5.70E+01	U
TG	10	283183001	6/14/2011	Ag-108m	-4.19E+00	3.28E+00	9.69E+00	U
TG	10	283183001	6/14/2011	Ag-110m	-1.76E+00	4.38E+00	1.23E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS	
TG	10	283183001	6/14/2011	Ba-140	-4.17E+01	8.79E+01	2.84E+02	U	
TG	10	283183001	6/14/2011	Be-7	5.88E+02	1.09E+02	1.71E+02		
TG	10	283183001	6/14/2011	Ce-141	4.07E+01	1.82E+01	5.21E+01	U	
TG	10	283183001	6/14/2011	Ce-144	-1.83E+01	2.23E+01	6.92E+01	U	
TG	10	283183001	6/14/2011	Co-57	-1.73E+00	2.84E+00	8.97E+00	U	
TG	10	283183001	6/14/2011	Co-58	5.44E+00	6.03E+00	1.99E+01	U	
TG	10	283183001	6/14/2011	Co-60	3.35E+00	3.75E+00	1.26E+01	U	
TG	10	283183001	6/14/2011	Cr-51	1.68E+02	1.18E+02	3.79E+02	U	
TG	10	283183001	6/14/2011	Cs-134	6.95E+00	4.39E+00	1.42E+01	U	
TG	10	283183001	6/14/2011	Cs-137	1.41E+01	5.94E+00	1.17E+01	M	
TG	10	283183001	6/14/2011	Fe-59	1.72E+00	1.77E+01	5.92E+01	U	
TG	10	283183001	6/14/2011	I-131	-6.93E+02	4.93E+02	1.46E+03	U	DL
TG	10	283183001	6/14/2011	K-40	3.30E+03	2.15E+02	1.31E+02		
TG	10	283183001	6/14/2011	La-140	-4.17E+01	8.78E+01	2.84E+02	U	
TG	10	283183001	6/14/2011	Mn-54	-4.08E+00	4.33E+00	1.32E+01	U	
TG	10	283183001	6/14/2011	Nb-95	5.27E+00	6.42E+00	2.12E+01	U	
TG	10	283183001	6/14/2011	Ru-103	1.27E+01	8.78E+00	2.90E+01	U	
TG	10	283183001	6/14/2011	Ru-106	1.20E+01	3.30E+01	1.11E+02	U	
TG	10	283183001	6/14/2011	Sb-124	-2.36E+00	1.56E+01	5.15E+01	U	
TG	10	283183001	6/14/2011	Sb-125	-6.98E+00	9.86E+00	3.07E+01	U	
TG	10	283183001	6/14/2011	Se-75	4.83E+00	6.04E+00	2.01E+01	U	
TG	10	283183001	6/14/2011	Th-228	1.30E+01	1.06E+01	2.31E+01	U	
TG	10	283183001	6/14/2011	Zn-65	3.91E+00	9.90E+00	3.32E+01	U	
TG	10	283183001	6/14/2011	Zr-95	1.11E+01	1.12E+01	3.71E+01	U	
TG	10	283013003	7/26/2011	Ac-228	-1.37E+01	2.24E+01	5.05E+01	U	
TG	10	283013003	7/26/2011	Ag-108m	-2.19E+00	2.36E+00	7.44E+00	U	
TG	10	283013003	7/26/2011	Ag-110m	9.51E-01	3.44E+00	9.72E+00	U	
TG	10	283013003	7/26/2011	Ba-140	5.25E+00	5.94E+00	2.01E+01	U	
TG	10	283013003	7/26/2011	Be-7	6.66E+02	5.74E+01	8.21E+01		
TG	10	283013003	7/26/2011	Ce-141	-8.87E-01	3.42E+00	1.13E+01	U	
TG	10	283013003	7/26/2011	Ce-144	-1.47E+01	1.24E+01	3.85E+01	U	
TG	10	283013003	7/26/2011	Co-57	2.17E+00	1.57E+00	5.07E+00	U	
TG	10	283013003	7/26/2011	Co-58	1.01E+00	3.14E+00	1.06E+01	U	
TG	10	283013003	7/26/2011	Co-60	4.31E+00	3.60E+00	1.22E+01	U	
TG	10	283013003	7/26/2011	Cr-51	-4.47E+00	2.44E+01	8.22E+01	U	
TG	10	283013003	7/26/2011	Cs-134	7.41E+00	4.18E+00	1.35E+01	U	
TG	10	283013003	7/26/2011	Cs-137	2.73E+01	5.54E+00	1.05E+01	M	
TG	10	283013003	7/26/2011	Fe-59	8.21E+00	7.97E+00	2.61E+01	U	
TG	10	283013003	7/26/2011	I-131	-1.89E+00	5.87E+00	1.95E+01	U	
TG	10	283013003	7/26/2011	K-40	3.04E+03	1.66E+02	9.45E+01		
TG	10	283013003	7/26/2011	La-140	5.25E+00	5.94E+00	2.01E+01	U	
TG	10	283013003	7/26/2011	Mn-54	1.02E+00	3.20E+00	1.07E+01	U	
TG	10	283013003	7/26/2011	Nb-95	-2.53E+00	3.11E+00	9.94E+00	U	
TG	10	283013003	7/26/2011	Ru-103	-3.64E+00	3.02E+00	9.10E+00	U	
TG	10	283013003	7/26/2011	Ru-106	-5.42E-01	2.76E+01	8.87E+01	U	
TG	10	283013003	7/26/2011	Sb-124	-8.10E+00	7.60E+00	2.24E+01	U	
TG	10	283013003	7/26/2011	Sb-125	1.29E+01	7.90E+00	2.52E+01	U	
TG	10	283013003	7/26/2011	Se-75	-2.87E+00	3.31E+00	1.01E+01	U	
TG	10	283013003	7/26/2011	Th-228	-1.59E+00	6.50E+00	1.85E+01	U	
TG	10	283013003	7/26/2011	Zn-65	-7.36E+00	8.12E+00	2.49E+01	U	
TG	10	283013003	7/26/2011	Zr-95	8.33E+00	6.14E+00	2.04E+01	U	

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TG	10	284898003	8/23/2011	Ac-228	4.48E+01	2.89E+01	6.30E+01	U
TG	10	284898003	8/23/2011	Ag-108m	5.98E+00	3.90E+00	1.23E+01	U
TG	10	284898003	8/23/2011	Ag-110m	4.09E+00	4.61E+00	1.35E+01	U
TG	10	284898003	8/23/2011	Ba-140	1.39E-01	7.86E+00	2.62E+01	U
TG	10	284898003	8/23/2011	Be-7	1.87E+03	1.30E+02	1.17E+02	
TG	10	284898003	8/23/2011	Ce-141	1.25E+01	7.56E+00	2.30E+01	U
TG	10	284898003	8/23/2011	Ce-144	2.56E+01	2.68E+01	8.48E+01	U
TG	10	284898003	8/23/2011	Co-57	2.87E+00	3.45E+00	1.10E+01	U
TG	10	284898003	8/23/2011	Co-58	4.97E+00	4.70E+00	1.54E+01	U
TG	10	284898003	8/23/2011	Co-60	-2.08E+00	4.96E+00	1.57E+01	U
TG	10	284898003	8/23/2011	Cr-51	-8.94E-01	4.13E+01	1.35E+02	U
TG	10	284898003	8/23/2011	Cs-134	8.93E-01	5.23E+00	1.70E+01	U
TG	10	284898003	8/23/2011	Cs-137	4.54E+01	9.60E+00	1.51E+01	M
TG	10	284898003	8/23/2011	Fe-59	-6.75E+00	1.05E+01	3.32E+01	U
TG	10	284898003	8/23/2011	I-131	-7.85E+00	8.79E+00	2.71E+01	U
TG	10	284898003	8/23/2011	K-40	3.15E+03	2.16E+02	1.56E+02	
TG	10	284898003	8/23/2011	La-140	1.39E-01	7.86E+00	2.62E+01	U
TG	10	284898003	8/23/2011	Mn-54	2.61E-01	4.39E+00	1.42E+01	U
TG	10	284898003	8/23/2011	Nb-95	-3.45E+00	4.67E+00	1.45E+01	U
TG	10	284898003	8/23/2011	Ru-103	2.39E+00	4.25E+00	1.44E+01	U
TG	10	284898003	8/23/2011	Ru-106	5.75E+01	4.10E+01	1.34E+02	U
TG	10	284898003	8/23/2011	Sb-124	-1.34E+00	1.05E+01	3.44E+01	U
TG	10	284898003	8/23/2011	Sb-125	5.86E+00	1.13E+01	3.65E+01	U
TG	10	284898003	8/23/2011	Se-75	1.83E+00	5.56E+00	1.84E+01	U
TG	10	284898003	8/23/2011	Th-228	1.74E+01	1.80E+01	2.29E+01	U
TG	10	284898003	8/23/2011	Zn-65	-2.14E+01	1.28E+01	3.12E+01	U
TG	10	284898003	8/23/2011	Zr-95	-8.58E+00	8.28E+00	2.50E+01	U
TG	10	285892001	9/13/2011	Ac-228	2.34E+01	5.85E+01	9.41E+01	U
TG	10	285892001	9/13/2011	Ag-108m	3.50E+00	5.23E+00	1.72E+01	U
TG	10	285892001	9/13/2011	Ag-110m	6.42E-01	5.89E+00	1.72E+01	U
TG	10	285892001	9/13/2011	Ba-140	-2.03E+00	8.94E+00	2.87E+01	U
TG	10	285892001	9/13/2011	Be-7	3.17E+03	1.91E+02	1.48E+02	
TG	10	285892001	9/13/2011	Ce-141	-2.26E+00	8.45E+00	2.70E+01	U
TG	10	285892001	9/13/2011	Ce-144	6.48E+01	3.50E+01	1.06E+02	U
TG	10	285892001	9/13/2011	Co-57	-3.93E+00	4.13E+00	1.28E+01	U
TG	10	285892001	9/13/2011	Co-58	5.15E+00	5.87E+00	1.96E+01	U
TG	10	285892001	9/13/2011	Co-60	1.49E+00	9.02E+00	2.45E+01	U
TG	10	285892001	9/13/2011	Cr-51	2.82E+01	5.34E+01	1.78E+02	U
TG	10	285892001	9/13/2011	Cs-134	5.34E+00	7.22E+00	2.42E+01	U
TG	10	285892001	9/13/2011	Cs-137	2.04E+01	1.34E+01	1.88E+01	UI
TG	10	285892001	9/13/2011	Fe-59	1.08E+01	1.29E+01	4.26E+01	U
TG	10	285892001	9/13/2011	I-131	3.26E+00	9.28E+00	3.08E+01	U
TG	10	285892001	9/13/2011	K-40	3.37E+03	2.49E+02	1.80E+02	
TG	10	285892001	9/13/2011	La-140	-2.03E+00	8.94E+00	2.87E+01	U
TG	10	285892001	9/13/2011	Mn-54	1.13E+01	6.40E+00	2.06E+01	U
TG	10	285892001	9/13/2011	Nb-95	-6.07E+00	5.66E+00	1.73E+01	U
TG	10	285892001	9/13/2011	Ru-103	7.19E+00	6.19E+00	1.99E+01	U
TG	10	285892001	9/13/2011	Ru-106	1.38E+01	4.80E+01	1.63E+02	U
TG	10	285892001	9/13/2011	Sb-124	8.09E+00	1.48E+01	4.95E+01	U
TG	10	285892001	9/13/2011	Sb-125	-4.29E+00	1.58E+01	5.09E+01	U
TG	10	285892001	9/13/2011	Se-75	-6.16E-02	7.30E+00	2.45E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS	
TG	10	285892001	9/13/2011	Th-228	4.24E+01	2.55E+01	3.90E+01	UI	
TG	10	285892001	9/13/2011	Zn-65	-5.00E+00	1.50E+01	4.73E+01	U	
TG	10	285892001	9/13/2011	Zr-95	4.51E+00	1.04E+01	3.49E+01	U	
TG	10	286562003	9/20/2011	Ac-228	2.70E+01	3.43E+01	4.86E+01	U	
TG	10	286562003	9/20/2011	Ag-108m	9.77E-02	2.63E+00	8.70E+00	U	
TG	10	286562003	9/20/2011	Ag-110m	2.91E+00	3.67E+00	1.04E+01	U	
TG	10	286562003	9/20/2011	Ba-140	-1.77E+01	1.58E+01	4.83E+01	U	
TG	10	286562003	9/20/2011	Be-7	1.89E+03	1.24E+02	1.07E+02		
TG	10	286562003	9/20/2011	Ce-141	8.34E+00	7.54E+00	2.40E+01	U	
TG	10	286562003	9/20/2011	Ce-144	-2.98E+01	1.93E+01	5.66E+01	U	
TG	10	286562003	9/20/2011	Co-57	3.92E+00	2.47E+00	7.65E+00	U	
TG	10	286562003	9/20/2011	Co-58	5.10E+00	3.91E+00	1.27E+01	U	
TG	10	286562003	9/20/2011	Co-60	-1.16E+00	3.50E+00	1.12E+01	U	
TG	10	286562003	9/20/2011	Cr-51	-2.76E+01	4.65E+01	1.53E+02	U	
TG	10	286562003	9/20/2011	Cs-134	-6.06E+00	5.70E+00	1.25E+01	U	
TG	10	286562003	9/20/2011	Cs-137	3.63E+01	6.01E+00	1.04E+01	M	
TG	10	286562003	9/20/2011	Fe-59	-4.83E+00	9.39E+00	3.01E+01	U	
TG	10	286562003	9/20/2011	I-131	-2.91E+01	3.28E+01	1.05E+02	U	DL
TG	10	286562003	9/20/2011	K-40	2.45E+03	1.60E+02	1.02E+02		
TG	10	286562003	9/20/2011	La-140	-1.77E+01	1.58E+01	4.83E+01	U	
TG	10	286562003	9/20/2011	Mn-54	-6.50E-01	3.18E+00	1.06E+01	U	
TG	10	286562003	9/20/2011	Nb-95	2.92E+00	3.99E+00	1.35E+01	U	
TG	10	286562003	9/20/2011	Ru-103	-7.15E+00	4.81E+00	1.42E+01	U	
TG	10	286562003	9/20/2011	Ru-106	1.56E+01	2.94E+01	9.55E+01	U	
TG	10	286562003	9/20/2011	Sb-124	1.61E+01	9.80E+00	3.25E+01	U	
TG	10	286562003	9/20/2011	Sb-125	-7.79E+00	8.36E+00	2.64E+01	U	
TG	10	286562003	9/20/2011	Se-75	-1.83E+00	4.19E+00	1.40E+01	U	
TG	10	286562003	9/20/2011	Th-228	7.40E+00	9.74E+00	1.70E+01	U	
TG	10	286562003	9/20/2011	Zn-65	2.38E+00	7.72E+00	2.55E+01	U	
TG	10	286562003	9/20/2011	Zr-95	4.50E+00	6.75E+00	2.29E+01	U	
TG	10	288565003	10/18/2011	Ac-228	8.80E+01	4.05E+01	7.31E+01	UI	
TG	10	288565003	10/18/2011	Ag-108m	-8.76E-01	3.07E+00	1.01E+01	U	
TG	10	288565003	10/18/2011	Ag-110m	-1.39E+01	6.12E+00	1.21E+01	U	
TG	10	288565003	10/18/2011	Ba-140	-9.28E+00	8.56E+00	2.55E+01	U	
TG	10	288565003	10/18/2011	Be-7	3.15E+03	1.79E+02	1.05E+02		
TG	10	288565003	10/18/2011	Ce-141	8.57E-01	5.14E+00	1.53E+01	U	
TG	10	288565003	10/18/2011	Ce-144	4.28E+00	1.55E+01	5.16E+01	U	
TG	10	288565003	10/18/2011	Co-57	-6.92E-01	2.79E+00	6.55E+00	U	
TG	10	288565003	10/18/2011	Co-58	-3.50E+00	4.45E+00	1.42E+01	U	
TG	10	288565003	10/18/2011	Co-60	-6.40E+00	8.73E+00	1.47E+01	U	
TG	10	288565003	10/18/2011	Cr-51	-8.26E+00	3.28E+01	1.10E+02	U	
TG	10	288565003	10/18/2011	Cs-134	3.92E+00	5.01E+00	1.69E+01	U	
TG	10	288565003	10/18/2011	Cs-137	5.57E+00	4.67E+00	1.49E+01	U	
TG	10	288565003	10/18/2011	Fe-59	1.73E+01	1.07E+01	3.42E+01	U	
TG	10	288565003	10/18/2011	I-131	-4.51E+00	8.00E+00	2.63E+01	U	
TG	10	288565003	10/18/2011	K-40	3.72E+03	2.16E+02	1.40E+02		
TG	10	288565003	10/18/2011	La-140	-9.28E+00	8.55E+00	2.55E+01	U	
TG	10	288565003	10/18/2011	Mn-54	-9.12E-01	4.00E+00	1.32E+01	U	
TG	10	288565003	10/18/2011	Nb-95	7.28E+00	4.63E+00	1.52E+01	U	
TG	10	288565003	10/18/2011	Ru-103	4.37E+00	4.16E+00	1.36E+01	U	
TG	10	288565003	10/18/2011	Ru-106	-4.68E+01	3.62E+01	1.06E+02	U	

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TG	10	288565003	10/18/2011	Sb-124	2.44E+01	1.08E+01	3.49E+01	U
TG	10	288565003	10/18/2011	Sb-125	-3.96E+00	9.69E+00	3.17E+01	U
TG	10	288565003	10/18/2011	Se-75	-6.57E+00	4.67E+00	1.36E+01	U
TG	10	288565003	10/18/2011	Th-228	5.18E+00	1.20E+01	1.79E+01	U
TG	10	288565003	10/18/2011	Zn-65	-7.77E+00	1.05E+01	3.25E+01	U
TG	10	288565003	10/18/2011	Zr-95	-3.50E+00	7.65E+00	2.52E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TM	15	270291001	1/11/2011	Ag-108m	-6.17E-01	6.85E-01	2.23E+00	U
TM	15	270291001	1/11/2011	Ag-110m	9.08E-01	8.35E-01	2.45E+00	U
TM	15	270291001	1/11/2011	Ba-140	-5.25E-01	1.03E+00	3.25E+00	U
TM	15	270291001	1/11/2011	Be-7	-3.54E+00	6.06E+00	1.97E+01	U
TM	15	270291001	1/11/2011	Ce-141	2.11E+00	1.33E+00	4.27E+00	U
TM	15	270291001	1/11/2011	Ce-144	2.46E+00	4.73E+00	1.55E+01	U
TM	15	270291001	1/11/2011	Co-57	-4.58E-01	6.41E-01	2.07E+00	U
TM	15	270291001	1/11/2011	Co-58	-8.08E-01	8.16E-01	2.55E+00	U
TM	15	270291001	1/11/2011	Co-60	-1.16E+00	8.83E-01	2.77E+00	U
TM	15	270291001	1/11/2011	Cr-51	-2.76E-01	7.02E+00	2.35E+01	U
TM	15	270291001	1/11/2011	Cs-134	-8.86E-02	8.85E-01	2.85E+00	U
TM	15	270291001	1/11/2011	Cs-137	1.05E+01	1.64E+00	2.66E+00	M
TM	15	270291001	1/11/2011	Fe-59	-1.45E+00	1.79E+00	5.81E+00	U
TM	15	270291001	1/11/2011	I-131	9.77E-02	1.84E-01	6.08E-01	U
TM	15	270291001	1/11/2011	K-40	1.76E+03	8.56E+01	2.25E+01	
TM	15	270291001	1/11/2011	La-140	-5.25E-01	1.03E+00	3.25E+00	U
TM	15	270291001	1/11/2011	Mn-54	-6.30E-01	7.71E-01	2.42E+00	U
TM	15	270291001	1/11/2011	Nb-95	-3.14E-01	7.74E-01	2.47E+00	U
TM	15	270291001	1/11/2011	Ru-103	-1.68E+00	8.46E-01	2.64E+00	U
TM	15	270291001	1/11/2011	Ru-106	1.81E+00	6.80E+00	2.24E+01	U
TM	15	270291001	1/11/2011	Sb-124	1.26E+00	1.63E+00	5.50E+00	U
TM	15	270291001	1/11/2011	Sb-125	-2.73E+00	2.01E+00	6.45E+00	U
TM	15	270291001	1/11/2011	Se-75	1.55E-01	9.96E-01	3.37E+00	U
TM	15	270291001	1/11/2011	Th-228	1.16E-01	2.03E+00	4.95E+00	U
TM	15	270291001	1/11/2011	Zn-65	-8.68E-01	1.89E+00	6.22E+00	U
TM	15	270291001	1/11/2011	Zr-95	5.72E-01	1.42E+00	4.65E+00	U
TM	15	272194001	2/9/2011	Ac-228	6.18E+00	4.80E+00	1.02E+01	U
TM	15	272194001	2/9/2011	Ag-108m	-2.53E-01	5.76E-01	1.82E+00	U
TM	15	272194001	2/9/2011	Ag-110m	1.26E+00	7.91E-01	2.23E+00	U
TM	15	272194001	2/9/2011	Ba-140	-1.25E+00	1.45E+00	4.42E+00	U
TM	15	272194001	2/9/2011	Be-7	2.61E+00	5.74E+00	1.95E+01	U
TM	15	272194001	2/9/2011	Ce-141	-3.63E+00	1.54E+00	4.19E+00	U
TM	15	272194001	2/9/2011	Ce-144	2.46E-01	4.45E+00	1.41E+01	U
TM	15	272194001	2/9/2011	Co-57	8.67E-01	6.13E-01	1.87E+00	U
TM	15	272194001	2/9/2011	Co-58	4.77E-01	7.39E-01	2.43E+00	U
TM	15	272194001	2/9/2011	Co-60	1.60E-02	7.01E-01	2.32E+00	U
TM	15	272194001	2/9/2011	Cr-51	-3.02E+00	7.08E+00	2.28E+01	U
TM	15	272194001	2/9/2011	Cs-134	1.17E+00	8.93E-01	2.88E+00	U
TM	15	272194001	2/9/2011	Cs-137	7.49E+00	1.32E+00	2.23E+00	M
TM	15	272194001	2/9/2011	Fe-59	4.34E-01	1.72E+00	5.77E+00	U
TM	15	272194001	2/9/2011	I-131	-1.30E-01	1.67E-01	5.45E-01	U
TM	15	272194001	2/9/2011	K-40	1.77E+03	8.76E+01	1.86E+01	
TM	15	272194001	2/9/2011	La-140	-1.25E+00	1.45E+00	4.42E+00	U
TM	15	272194001	2/9/2011	Mn-54	-1.90E-01	6.54E-01	2.11E+00	U
TM	15	272194001	2/9/2011	Nb-95	6.79E-01	7.19E-01	2.36E+00	U
TM	15	272194001	2/9/2011	Ru-103	-3.86E-01	7.35E-01	2.43E+00	U
TM	15	272194001	2/9/2011	Ru-106	7.06E+00	5.98E+00	1.97E+01	U
TM	15	272194001	2/9/2011	Sb-124	2.52E+00	1.58E+00	5.16E+00	U
TM	15	272194001	2/9/2011	Sb-125	1.62E+00	1.78E+00	5.71E+00	U
TM	15	272194001	2/9/2011	Se-75	-1.65E+00	9.85E-01	2.90E+00	U
TM	15	272194001	2/9/2011	Th-228	3.58E+00	2.23E+00	4.92E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TM	15	272194001	2/9/2011	Zn-65	-1.12E+00	1.70E+00	5.53E+00	U
TM	15	272194001	2/9/2011	Zr-95	-9.89E-01	1.31E+00	4.16E+00	U
TM	15	273802001	3/9/2011	Ac-228	-5.25E+00	4.12E+00	1.03E+01	U
TM	15	273802001	3/9/2011	Ag-108m	-6.07E-01	5.86E-01	1.84E+00	U
TM	15	273802001	3/9/2011	Ag-110m	3.20E-01	6.96E-01	2.07E+00	U
TM	15	273802001	3/9/2011	Ba-140	3.83E-01	9.18E-01	3.04E+00	U
TM	15	273802001	3/9/2011	Be-7	6.51E-02	5.47E+00	1.80E+01	U
TM	15	273802001	3/9/2011	Ce-141	-4.85E+00	1.85E+00	3.26E+00	U
TM	15	273802001	3/9/2011	Ce-144	3.29E-01	3.60E+00	1.21E+01	U
TM	15	273802001	3/9/2011	Co-57	2.71E-01	4.61E-01	1.56E+00	U
TM	15	273802001	3/9/2011	Co-58	-7.04E-01	7.31E-01	2.30E+00	U
TM	15	273802001	3/9/2011	Co-60	3.43E-01	8.21E-01	2.75E+00	U
TM	15	273802001	3/9/2011	Cr-51	-2.92E+00	5.41E+00	1.80E+01	U
TM	15	273802001	3/9/2011	Cs-134	2.76E-01	8.80E-01	2.94E+00	U
TM	15	273802001	3/9/2011	Cs-137	7.77E+00	1.78E+00	2.19E+00	M
TM	15	273802001	3/9/2011	Fe-59	4.74E+00	2.08E+00	6.09E+00	U
TM	15	273802001	3/9/2011	I-131	3.68E-01	1.96E-01	5.99E-01	U
TM	15	273802001	3/9/2011	K-40	1.65E+03	8.00E+01	2.49E+01	
TM	15	273802001	3/9/2011	La-140	3.83E-01	9.18E-01	3.04E+00	U
TM	15	273802001	3/9/2011	Mn-54	-4.43E-01	7.25E-01	2.34E+00	U
TM	15	273802001	3/9/2011	Nb-95	1.35E+00	7.85E-01	2.51E+00	U
TM	15	273802001	3/9/2011	Ru-103	-1.15E+00	7.17E-01	2.08E+00	U
TM	15	273802001	3/9/2011	Ru-106	5.23E+00	6.26E+00	2.02E+01	U
TM	15	273802001	3/9/2011	Sb-124	-2.52E+00	1.61E+00	4.39E+00	U
TM	15	273802001	3/9/2011	Sb-125	-6.52E-01	1.70E+00	5.57E+00	U
TM	15	273802001	3/9/2011	Se-75	-1.90E-01	8.35E-01	2.66E+00	U
TM	15	273802001	3/9/2011	Th-228	-1.22E+00	1.63E+00	4.09E+00	U
TM	15	273802001	3/9/2011	Zn-65	6.04E-01	1.87E+00	6.05E+00	U
TM	15	273802001	3/9/2011	Zr-95	4.92E-01	1.20E+00	4.04E+00	U
TM	15	275584001	4/6/2011	Ac-228	-7.51E+00	4.71E+00	1.02E+01	U
TM	15	275584001	4/6/2011	Ag-108m	-3.60E-01	5.95E-01	1.89E+00	U
TM	15	275584001	4/6/2011	Ag-110m	-8.44E-01	7.47E-01	2.00E+00	U
TM	15	275584001	4/6/2011	Ba-140	1.47E-01	1.32E+00	3.73E+00	U
TM	15	275584001	4/6/2011	Be-7	-1.10E+01	6.72E+00	1.92E+01	U
TM	15	275584001	4/6/2011	Ce-141	9.61E-01	1.44E+00	4.15E+00	U
TM	15	275584001	4/6/2011	Ce-144	1.32E-01	4.57E+00	1.48E+01	U
TM	15	275584001	4/6/2011	Co-57	2.95E-02	6.10E-01	1.98E+00	U
TM	15	275584001	4/6/2011	Co-58	-2.02E-01	7.29E-01	2.38E+00	U
TM	15	275584001	4/6/2011	Co-60	2.01E-01	8.28E-01	2.77E+00	U
TM	15	275584001	4/6/2011	Cr-51	-8.29E+00	7.23E+00	2.26E+01	U
TM	15	275584001	4/6/2011	Cs-134	-1.10E+00	9.73E-01	3.00E+00	U
TM	15	275584001	4/6/2011	Cs-137	6.99E+00	1.64E+00	2.03E+00	M
TM	15	275584001	4/6/2011	Fe-59	8.41E-01	1.77E+00	5.75E+00	U
TM	15	275584001	4/6/2011	I-131	2.80E-01	2.62E-01	8.61E-01	U
TM	15	275584001	4/6/2011	K-40	1.59E+03	8.15E+01	2.39E+01	
TM	15	275584001	4/6/2011	La-140	1.47E-01	1.32E+00	3.73E+00	U
TM	15	275584001	4/6/2011	Mn-54	2.10E-02	6.93E-01	2.28E+00	U
TM	15	275584001	4/6/2011	Nb-95	6.26E-01	7.50E-01	2.49E+00	U
TM	15	275584001	4/6/2011	Ru-103	-1.34E+00	8.39E-01	2.39E+00	U
TM	15	275584001	4/6/2011	Ru-106	3.87E-01	6.07E+00	2.04E+01	U
TM	15	275584001	4/6/2011	Sb-124	-2.75E+00	1.77E+00	4.86E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TM	15	275584001	4/6/2011	Sb-125	2.55E+00	1.87E+00	5.98E+00	U
TM	15	275584001	4/6/2011	Se-75	-6.14E-01	9.26E-01	3.04E+00	U
TM	15	275584001	4/6/2011	Th-228	-5.17E-01	1.98E+00	4.70E+00	U
TM	15	275584001	4/6/2011	Zn-65	-2.68E+00	1.93E+00	5.58E+00	U
TM	15	275584001	4/6/2011	Zr-95	-2.32E+00	1.34E+00	3.80E+00	U
TM	15	276543001	4/20/2011	Ac-228	1.68E+00	6.42E+00	1.44E+01	U
TM	15	276543001	4/20/2011	Ag-108m	-3.42E-01	8.04E-01	2.55E+00	U
TM	15	276543001	4/20/2011	Ag-110m	5.46E-01	1.01E+00	2.93E+00	U
TM	15	276543001	4/20/2011	Ba-140	-2.33E+00	1.97E+00	5.92E+00	U
TM	15	276543001	4/20/2011	Be-7	-5.56E+00	8.47E+00	2.62E+01	U
TM	15	276543001	4/20/2011	Ce-141	1.58E-01	1.78E+00	5.70E+00	U
TM	15	276543001	4/20/2011	Ce-144	-1.68E-01	6.08E+00	1.96E+01	U
TM	15	276543001	4/20/2011	Co-57	1.07E+00	8.02E-01	2.52E+00	U
TM	15	276543001	4/20/2011	Co-58	-1.50E+00	1.04E+00	3.00E+00	U
TM	15	276543001	4/20/2011	Co-60	2.67E-01	9.67E-01	3.20E+00	U
TM	15	276543001	4/20/2011	Cr-51	7.65E+00	9.72E+00	3.20E+01	U
TM	15	276543001	4/20/2011	Cs-134	-3.27E-01	1.15E+00	3.70E+00	U
TM	15	276543001	4/20/2011	Cs-137	5.66E+00	1.43E+00	3.16E+00	M
TM	15	276543001	4/20/2011	Fe-59	3.78E-01	2.36E+00	7.87E+00	U
TM	15	276543001	4/20/2011	I-131	3.94E-01	3.09E-01	9.98E-01	U
TM	15	276543001	4/20/2011	K-40	1.63E+03	8.77E+01	2.88E+01	
TM	15	276543001	4/20/2011	La-140	-2.33E+00	1.97E+00	5.92E+00	U
TM	15	276543001	4/20/2011	Mn-54	-4.25E-01	8.92E-01	2.83E+00	U
TM	15	276543001	4/20/2011	Nb-95	-2.95E-01	9.68E-01	3.13E+00	U
TM	15	276543001	4/20/2011	Ru-103	6.10E-01	1.02E+00	3.47E+00	U
TM	15	276543001	4/20/2011	Ru-106	3.03E+00	8.10E+00	2.71E+01	U
TM	15	276543001	4/20/2011	Sb-124	3.85E-01	2.05E+00	6.89E+00	U
TM	15	276543001	4/20/2011	Sb-125	-2.62E+00	2.44E+00	7.37E+00	U
TM	15	276543001	4/20/2011	Se-75	9.59E-01	1.25E+00	4.15E+00	U
TM	15	276543001	4/20/2011	Th-228	3.96E-01	2.78E+00	6.21E+00	U
TM	15	276543001	4/20/2011	Zn-65	-1.18E+00	2.22E+00	7.18E+00	U
TM	15	276543001	4/20/2011	Zr-95	-1.99E+00	1.80E+00	5.45E+00	U
TM	15	277468001	5/3/2011	Ac-228	-5.19E+00	5.15E+00	1.07E+01	U
TM	15	277468001	5/3/2011	Ag-108m	-3.91E-01	5.38E-01	1.73E+00	U
TM	15	277468001	5/3/2011	Ag-110m	2.67E-01	6.89E-01	1.95E+00	U
TM	15	277468001	5/3/2011	Ba-140	1.37E-01	8.84E-01	2.93E+00	U
TM	15	277468001	5/3/2011	Be-7	4.87E+00	5.36E+00	1.76E+01	U
TM	15	277468001	5/3/2011	Ce-141	1.22E+00	8.63E-01	2.74E+00	U
TM	15	277468001	5/3/2011	Ce-144	-1.28E+00	3.13E+00	1.03E+01	U
TM	15	277468001	5/3/2011	Co-57	1.81E-01	3.98E-01	1.33E+00	U
TM	15	277468001	5/3/2011	Co-58	1.12E+00	7.17E-01	2.32E+00	U
TM	15	277468001	5/3/2011	Co-60	1.88E-01	7.95E-01	2.68E+00	U
TM	15	277468001	5/3/2011	Cr-51	3.10E+00	4.87E+00	1.64E+01	U
TM	15	277468001	5/3/2011	Cs-134	5.49E-02	8.14E-01	2.72E+00	U
TM	15	277468001	5/3/2011	Cs-137	6.53E+00	1.33E+00	2.33E+00	M
TM	15	277468001	5/3/2011	Fe-59	9.22E-01	1.70E+00	5.55E+00	U
TM	15	277468001	5/3/2011	I-131	-1.13E-01	2.61E-01	8.32E-01	U
TM	15	277468001	5/3/2011	K-40	1.57E+03	7.61E+01	2.21E+01	
TM	15	277468001	5/3/2011	La-140	1.37E-01	8.84E-01	2.93E+00	U
TM	15	277468001	5/3/2011	Mn-54	-9.91E-02	6.75E-01	2.24E+00	U
TM	15	277468001	5/3/2011	Nb-95	-5.24E-01	6.85E-01	2.22E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TM	15	277468001	5/3/2011	Ru-103	-9.17E-01	6.90E-01	2.08E+00	U
TM	15	277468001	5/3/2011	Ru-106	-6.35E-01	5.84E+00	1.88E+01	U
TM	15	277468001	5/3/2011	Sb-124	-2.29E-01	1.48E+00	4.80E+00	U
TM	15	277468001	5/3/2011	Sb-125	7.94E-01	1.57E+00	5.23E+00	U
TM	15	277468001	5/3/2011	Se-75	-1.40E-01	7.47E-01	2.37E+00	U
TM	15	277468001	5/3/2011	Th-228	-3.48E+00	1.76E+00	4.05E+00	U
TM	15	277468001	5/3/2011	Zn-65	4.28E-01	1.82E+00	5.92E+00	U
TM	15	277468001	5/3/2011	Zr-95	5.92E-01	1.17E+00	3.96E+00	U
TM	15	278644001	5/18/2011	Ac-228	5.77E+00	4.06E+00	7.25E+00	U
TM	15	278644001	5/18/2011	Ag-108m	5.38E-01	4.54E-01	1.45E+00	U
TM	15	278644001	5/18/2011	Ag-110m	-2.72E-01	5.12E-01	1.46E+00	U
TM	15	278644001	5/18/2011	Ba-140	-1.25E+00	1.25E+00	3.86E+00	U
TM	15	278644001	5/18/2011	Be-7	-2.89E+00	4.92E+00	1.56E+01	U
TM	15	278644001	5/18/2011	Ce-141	-2.96E+00	1.29E+00	3.36E+00	U
TM	15	278644001	5/18/2011	Ce-144	2.14E+00	3.54E+00	1.08E+01	U
TM	15	278644001	5/18/2011	Co-57	1.85E-01	4.44E-01	1.43E+00	U
TM	15	278644001	5/18/2011	Co-58	-1.77E-01	5.57E-01	1.83E+00	U
TM	15	278644001	5/18/2011	Co-60	-1.43E+00	1.01E+00	2.08E+00	U
TM	15	278644001	5/18/2011	Cr-51	2.82E+00	5.65E+00	1.88E+01	U
TM	15	278644001	5/18/2011	Cs-134	8.36E-01	6.45E-01	2.10E+00	U
TM	15	278644001	5/18/2011	Cs-137	3.52E+00	1.06E+00	1.61E+00	M
TM	15	278644001	5/18/2011	Fe-59	-5.50E-01	1.49E+00	4.78E+00	U
TM	15	278644001	5/18/2011	I-131	1.01E-01	1.26E-01	4.23E-01	U
TM	15	278644001	5/18/2011	K-40	1.77E+03	8.23E+01	1.50E+01	
TM	15	278644001	5/18/2011	La-140	-1.25E+00	1.25E+00	3.86E+00	U
TM	15	278644001	5/18/2011	Mn-54	-4.53E-01	5.21E-01	1.66E+00	U
TM	15	278644001	5/18/2011	Nb-95	2.50E-01	5.57E-01	1.86E+00	U
TM	15	278644001	5/18/2011	Ru-103	-7.33E-01	6.60E-01	2.02E+00	U
TM	15	278644001	5/18/2011	Ru-106	3.74E+00	4.24E+00	1.43E+01	U
TM	15	278644001	5/18/2011	Sb-124	4.83E-01	1.14E+00	3.82E+00	U
TM	15	278644001	5/18/2011	Sb-125	9.81E-01	1.32E+00	4.29E+00	U
TM	15	278644001	5/18/2011	Se-75	4.99E-01	6.75E-01	2.25E+00	U
TM	15	278644001	5/18/2011	Th-228	1.15E+00	1.33E+00	3.26E+00	U
TM	15	278644001	5/18/2011	Zn-65	-1.31E+00	1.37E+00	4.23E+00	U
TM	15	278644001	5/18/2011	Zr-95	-3.36E+00	1.51E+00	2.99E+00	U
TM	15	279336001	6/1/2011	Ac-228	-3.53E+00	5.03E+00	1.37E+01	U
TM	15	279336001	6/1/2011	Ag-108m	-6.00E-01	7.89E-01	2.45E+00	U
TM	15	279336001	6/1/2011	Ag-110m	-1.70E-01	9.06E-01	2.57E+00	U
TM	15	279336001	6/1/2011	Ba-140	7.52E-01	1.27E+00	4.33E+00	U
TM	15	279336001	6/1/2011	Be-7	-9.24E+00	9.95E+00	2.39E+01	U
TM	15	279336001	6/1/2011	Ce-141	-3.55E-01	1.55E+00	4.95E+00	U
TM	15	279336001	6/1/2011	Ce-144	1.39E+01	6.75E+00	1.96E+01	U
TM	15	279336001	6/1/2011	Co-57	-4.10E-01	7.88E-01	2.51E+00	U
TM	15	279336001	6/1/2011	Co-58	1.10E+00	1.19E+00	3.06E+00	U
TM	15	279336001	6/1/2011	Co-60	-1.07E+00	1.04E+00	3.15E+00	U
TM	15	279336001	6/1/2011	Cr-51	-5.42E+00	8.31E+00	2.66E+01	U
TM	15	279336001	6/1/2011	Cs-134	-1.78E+00	1.43E+00	3.58E+00	U
TM	15	279336001	6/1/2011	Cs-137	3.33E+00	1.28E+00	2.72E+00	M
TM	15	279336001	6/1/2011	Fe-59	2.56E+00	2.26E+00	7.53E+00	U
TM	15	279336001	6/1/2011	I-131	1.68E-02	2.01E-01	6.72E-01	U
TM	15	279336001	6/1/2011	K-40	1.67E+03	8.91E+01	3.12E+01	

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TM	15	279336001	6/1/2011	La-140	7.52E-01	1.26E+00	4.33E+00	U
TM	15	279336001	6/1/2011	Mn-54	8.84E-01	8.68E-01	2.84E+00	U
TM	15	279336001	6/1/2011	Nb-95	5.62E-02	8.83E-01	2.90E+00	U
TM	15	279336001	6/1/2011	Ru-103	-1.20E+00	9.64E-01	3.00E+00	U
TM	15	279336001	6/1/2011	Ru-106	-9.84E+00	7.92E+00	2.42E+01	U
TM	15	279336001	6/1/2011	Sb-124	-1.13E-01	1.82E+00	6.05E+00	U
TM	15	279336001	6/1/2011	Sb-125	1.85E+00	3.04E+00	7.99E+00	U
TM	15	279336001	6/1/2011	Se-75	-1.73E+00	1.22E+00	3.71E+00	U
TM	15	279336001	6/1/2011	Th-228	2.80E-01	2.24E+00	5.72E+00	U
TM	15	279336001	6/1/2011	Zn-65	-7.97E-01	2.31E+00	7.57E+00	U
TM	15	279336001	6/1/2011	Zr-95	3.02E+00	1.71E+00	5.43E+00	U
TM	15	280311001	6/15/2011	Ac-228	7.00E-01	3.65E+00	9.74E+00	U
TM	15	280311001	6/15/2011	Ag-108m	-9.02E-01	6.66E-01	2.05E+00	U
TM	15	280311001	6/15/2011	Ag-110m	4.12E-01	8.45E-01	2.41E+00	U
TM	15	280311001	6/15/2011	Ba-140	-1.11E+00	1.50E+00	4.60E+00	U
TM	15	280311001	6/15/2011	Be-7	9.83E-01	6.85E+00	2.28E+01	U
TM	15	280311001	6/15/2011	Ce-141	-3.66E+00	2.25E+00	5.41E+00	U
TM	15	280311001	6/15/2011	Ce-144	-3.19E+00	5.50E+00	1.78E+01	U
TM	15	280311001	6/15/2011	Co-57	-3.86E-01	7.25E-01	2.37E+00	U
TM	15	280311001	6/15/2011	Co-58	-3.40E-01	8.18E-01	2.60E+00	U
TM	15	280311001	6/15/2011	Co-60	-6.38E-03	1.03E+00	2.73E+00	U
TM	15	280311001	6/15/2011	Cr-51	-9.87E+00	8.58E+00	2.74E+01	U
TM	15	280311001	6/15/2011	Cs-134	1.05E+00	8.86E-01	2.85E+00	U
TM	15	280311001	6/15/2011	Cs-137	8.84E+00	1.75E+00	2.33E+00	M
TM	15	280311001	6/15/2011	Fe-59	-3.19E-02	1.84E+00	6.10E+00	U
TM	15	280311001	6/15/2011	I-131	-2.78E-01	2.97E-01	9.38E-01	U
TM	15	280311001	6/15/2011	K-40	1.88E+03	9.38E+01	1.85E+01	
TM	15	280311001	6/15/2011	La-140	-1.11E+00	1.50E+00	4.60E+00	U
TM	15	280311001	6/15/2011	Mn-54	1.15E-01	7.13E-01	2.31E+00	U
TM	15	280311001	6/15/2011	Nb-95	1.54E+00	8.76E-01	2.72E+00	U
TM	15	280311001	6/15/2011	Ru-103	-1.05E+00	8.84E-01	2.73E+00	U
TM	15	280311001	6/15/2011	Ru-106	4.94E-01	6.55E+00	2.15E+01	U
TM	15	280311001	6/15/2011	Sb-124	-1.36E+00	1.54E+00	4.63E+00	U
TM	15	280311001	6/15/2011	Sb-125	1.39E-01	1.97E+00	6.58E+00	U
TM	15	280311001	6/15/2011	Se-75	1.36E+00	1.18E+00	3.73E+00	U
TM	15	280311001	6/15/2011	Th-228	6.82E-01	2.64E+00	5.46E+00	U
TM	15	280311001	6/15/2011	Zn-65	-3.50E+00	1.99E+00	5.70E+00	U
TM	15	280311001	6/15/2011	Zr-95	2.06E+00	1.46E+00	4.63E+00	U
TM	15	282329001	7/13/2011	Ac-228	2.48E-01	3.86E+00	8.66E+00	U
TM	15	282329001	7/13/2011	Ag-108m	1.21E-01	5.51E-01	1.79E+00	U
TM	15	282329001	7/13/2011	Ag-110m	-7.62E-01	6.80E-01	1.82E+00	U
TM	15	282329001	7/13/2011	Ba-140	-3.47E-01	8.61E-01	2.79E+00	U
TM	15	282329001	7/13/2011	Be-7	4.16E+00	5.69E+00	1.84E+01	U
TM	15	282329001	7/13/2011	Ce-141	-2.06E+00	1.60E+00	3.80E+00	U
TM	15	282329001	7/13/2011	Ce-144	-2.75E-01	4.05E+00	1.37E+01	U
TM	15	282329001	7/13/2011	Co-57	7.33E-01	5.44E-01	1.78E+00	U
TM	15	282329001	7/13/2011	Co-58	5.77E-01	6.44E-01	2.15E+00	U
TM	15	282329001	7/13/2011	Co-60	1.42E+00	8.22E-01	2.59E+00	U
TM	15	282329001	7/13/2011	Cr-51	2.61E+00	7.95E+00	2.02E+01	U
TM	15	282329001	7/13/2011	Cs-134	1.73E-01	7.67E-01	2.56E+00	U
TM	15	282329001	7/13/2011	Cs-137	5.15E+00	1.24E+00	1.95E+00	M

Seabrook REMP Summary of 2011 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TM	15	282329001	7/13/2011	Fe-59	-4.35E-01	1.55E+00	4.98E+00	U
TM	15	282329001	7/13/2011	I-131	-4.61E-02	2.83E-01	9.28E-01	U
TM	15	282329001	7/13/2011	K-40	1.81E+03	9.40E+01	1.73E+01	
TM	15	282329001	7/13/2011	La-140	-3.47E-01	8.60E-01	2.79E+00	U
TM	15	282329001	7/13/2011	Mn-54	-1.18E+00	6.97E-01	2.00E+00	U
TM	15	282329001	7/13/2011	Nb-95	1.33E-01	6.64E-01	2.22E+00	U
TM	15	282329001	7/13/2011	Ru-103	-1.78E+00	8.20E-01	2.10E+00	U
TM	15	282329001	7/13/2011	Ru-106	-5.34E+00	5.70E+00	1.82E+01	U
TM	15	282329001	7/13/2011	Sb-124	1.72E+00	1.25E+00	3.86E+00	U
TM	15	282329001	7/13/2011	Sb-125	7.98E-01	1.66E+00	5.40E+00	U
TM	15	282329001	7/13/2011	Se-75	-1.62E-01	8.28E-01	2.72E+00	U
TM	15	282329001	7/13/2011	Th-228	2.77E+00	2.37E+00	4.20E+00	U
TM	15	282329001	7/13/2011	Zn-65	6.72E-01	1.70E+00	5.58E+00	U
TM	15	282329001	7/13/2011	Zr-95	-2.91E-01	1.20E+00	3.96E+00	U
TM	15	283016001	7/27/2011	Ac-228	-3.77E-01	4.19E+00	1.07E+01	U
TM	15	283016001	7/27/2011	Ag-108m	-5.24E-01	6.15E-01	1.92E+00	U
TM	15	283016001	7/27/2011	Ag-110m	2.86E-01	7.62E-01	2.24E+00	U
TM	15	283016001	7/27/2011	Ba-140	-1.30E+00	1.17E+00	3.45E+00	U
TM	15	283016001	7/27/2011	Be-7	-2.96E+00	6.55E+00	2.09E+01	U
TM	15	283016001	7/27/2011	Ce-141	3.73E-01	1.22E+00	3.93E+00	U
TM	15	283016001	7/27/2011	Ce-144	4.86E+00	4.90E+00	1.49E+01	U
TM	15	283016001	7/27/2011	Co-57	-9.58E-02	6.07E-01	1.97E+00	U
TM	15	283016001	7/27/2011	Co-58	-5.42E-01	7.36E-01	2.34E+00	U
TM	15	283016001	7/27/2011	Co-60	-8.43E-02	1.23E+00	3.02E+00	U
TM	15	283016001	7/27/2011	Cr-51	-2.78E+00	6.68E+00	2.19E+01	U
TM	15	283016001	7/27/2011	Cs-134	4.48E-01	8.16E-01	2.72E+00	U
TM	15	283016001	7/27/2011	Cs-137	3.70E+00	1.59E+00	2.41E+00	M
TM	15	283016001	7/27/2011	Fe-59	8.34E-01	1.92E+00	6.21E+00	U
TM	15	283016001	7/27/2011	I-131	2.76E-01	3.02E-01	9.93E-01	U
TM	15	283016001	7/27/2011	K-40	1.77E+03	8.93E+01	1.90E+01	
TM	15	283016001	7/27/2011	La-140	-1.30E+00	1.17E+00	3.45E+00	U
TM	15	283016001	7/27/2011	Mn-54	1.12E-01	6.77E-01	2.24E+00	U
TM	15	283016001	7/27/2011	Nb-95	5.57E-02	7.05E-01	2.34E+00	U
TM	15	283016001	7/27/2011	Ru-103	-1.35E+00	7.94E-01	2.22E+00	U
TM	15	283016001	7/27/2011	Ru-106	-1.75E+00	6.05E+00	2.01E+01	U
TM	15	283016001	7/27/2011	Sb-124	1.48E+00	1.58E+00	5.27E+00	U
TM	15	283016001	7/27/2011	Sb-125	-1.26E+00	1.80E+00	5.67E+00	U
TM	15	283016001	7/27/2011	Se-75	2.95E-01	9.26E-01	3.12E+00	U
TM	15	283016001	7/27/2011	Th-228	7.16E-01	2.11E+00	4.53E+00	U
TM	15	283016001	7/27/2011	Zn-65	-5.04E+00	2.25E+00	5.67E+00	U
TM	15	283016001	7/27/2011	Zr-95	-8.50E-01	1.30E+00	4.19E+00	U
TM	15	284041001	8/10/2011	Ac-228	-3.60E+00	4.98E+00	1.24E+01	U
TM	15	284041001	8/10/2011	Ag-108m	5.57E-01	7.63E-01	2.53E+00	U
TM	15	284041001	8/10/2011	Ag-110m	3.13E+00	1.22E+00	3.04E+00	UI
TM	15	284041001	8/10/2011	Ba-140	-1.43E+00	1.23E+00	3.67E+00	U
TM	15	284041001	8/10/2011	Be-7	-1.36E+01	8.33E+00	2.45E+01	U
TM	15	284041001	8/10/2011	Ce-141	-2.95E+00	2.23E+00	5.50E+00	U
TM	15	284041001	8/10/2011	Ce-144	-8.66E+00	6.67E+00	2.02E+01	U
TM	15	284041001	8/10/2011	Co-57	3.36E-01	8.33E-01	2.72E+00	U
TM	15	284041001	8/10/2011	Co-58	-8.83E-01	8.93E-01	2.76E+00	U
TM	15	284041001	8/10/2011	Co-60	1.93E-01	9.40E-01	3.15E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS	
TM	15	284041001	8/10/2011	Cr-51	-2.16E+00	8.56E+00	2.84E+01	U	
TM	15	284041001	8/10/2011	Cs-134	-1.20E+00	1.13E+00	3.48E+00	U	
TM	15	284041001	8/10/2011	Cs-137	8.24E+00	2.11E+00	2.84E+00	M	
TM	15	284041001	8/10/2011	Fe-59	6.66E+00	2.66E+00	7.56E+00	U	
TM	15	284041001	8/10/2011	I-131	8.26E-01	3.58E-01	1.05E+00	U	DL*
TM	15	284041001	8/10/2011	K-40	1.73E+03	9.31E+01	2.38E+01		
TM	15	284041001	8/10/2011	La-140	-1.43E+00	1.23E+00	3.67E+00	U	
TM	15	284041001	8/10/2011	Mn-54	1.03E+00	8.88E-01	2.88E+00	U	
TM	15	284041001	8/10/2011	Nb-95	2.08E-01	9.08E-01	2.99E+00	U	
TM	15	284041001	8/10/2011	Ru-103	7.80E-01	9.08E-01	2.99E+00	U	
TM	15	284041001	8/10/2011	Ru-106	-2.75E+00	7.56E+00	2.46E+01	U	
TM	15	284041001	8/10/2011	Sb-124	-3.76E-01	1.69E+00	5.51E+00	U	
TM	15	284041001	8/10/2011	Sb-125	1.35E+00	2.32E+00	7.72E+00	U	
TM	15	284041001	8/10/2011	Se-75	8.46E-01	1.24E+00	4.15E+00	U	
TM	15	284041001	8/10/2011	Th-228	2.81E+00	3.40E+00	6.19E+00	U	
TM	15	284041001	8/10/2011	Zn-65	-1.17E+00	2.27E+00	7.19E+00	U	
TM	15	284041001	8/10/2011	Zr-95	-1.28E+00	1.67E+00	5.26E+00	U	
TM	15	284904001	8/24/2011	Ac-228	-7.25E+00	5.09E+00	1.23E+01	U	
TM	15	284904001	8/24/2011	Ag-108m	8.06E-01	8.08E-01	2.66E+00	U	
TM	15	284904001	8/24/2011	Ag-110m	-9.79E-01	9.94E-01	3.11E+00	U	
TM	15	284904001	8/24/2011	Ba-140	1.53E+00	1.64E+00	5.52E+00	U	
TM	15	284904001	8/24/2011	Be-7	-1.02E+01	8.26E+00	2.55E+01	U	
TM	15	284904001	8/24/2011	Ce-141	-5.67E+00	2.76E+00	6.12E+00	U	
TM	15	284904001	8/24/2011	Ce-144	-2.76E+00	6.48E+00	2.09E+01	U	
TM	15	284904001	8/24/2011	Co-57	-1.64E+00	9.25E-01	2.67E+00	U	
TM	15	284904001	8/24/2011	Co-58	2.97E-01	9.17E-01	3.02E+00	U	
TM	15	284904001	8/24/2011	Co-60	1.94E-01	9.32E-01	3.13E+00	U	
TM	15	284904001	8/24/2011	Cr-51	-5.74E+00	9.48E+00	3.10E+01	U	
TM	15	284904001	8/24/2011	Cs-134	1.04E+00	1.14E+00	3.74E+00	U	
TM	15	284904001	8/24/2011	Cs-137	3.22E+00	1.28E+00	3.63E+00	U	
TM	15	284904001	8/24/2011	Fe-59	-1.94E+00	2.39E+00	7.43E+00	U	
TM	15	284904001	8/24/2011	I-131	3.13E-01	2.85E-01	9.41E-01	U	
TM	15	284904001	8/24/2011	K-40	1.74E+03	9.38E+01	2.51E+01		
TM	15	284904001	8/24/2011	La-140	1.53E+00	1.64E+00	5.52E+00	U	
TM	15	284904001	8/24/2011	Mn-54	-1.18E-01	8.78E-01	2.86E+00	U	
TM	15	284904001	8/24/2011	Nb-95	1.88E-01	9.32E-01	3.06E+00	U	
TM	15	284904001	8/24/2011	Ru-103	8.23E-02	9.71E-01	3.22E+00	U	
TM	15	284904001	8/24/2011	Ru-106	-6.31E-02	8.03E+00	2.64E+01	U	
TM	15	284904001	8/24/2011	Sb-124	-2.53E+00	2.06E+00	6.12E+00	U	
TM	15	284904001	8/24/2011	Sb-125	-2.29E+00	2.40E+00	7.62E+00	U	
TM	15	284904001	8/24/2011	Se-75	1.66E-01	1.29E+00	4.33E+00	U	
TM	15	284904001	8/24/2011	Th-228	2.06E+00	2.39E+00	6.20E+00	U	
TM	15	284904001	8/24/2011	Zn-65	-1.93E+00	2.34E+00	7.27E+00	U	
TM	15	284904001	8/24/2011	Zr-95	-9.79E-01	1.67E+00	5.32E+00	U	
TM	15	285767001	9/6/2011	Ac-228	6.97E+00	4.19E+00	1.07E+01	U	
TM	15	285767001	9/6/2011	Ag-108m	-5.47E-02	6.65E-01	2.19E+00	U	
TM	15	285767001	9/6/2011	Ag-110m	-1.16E+00	8.68E-01	2.17E+00	U	
TM	15	285767001	9/6/2011	Ba-140	-3.55E-01	1.36E+00	4.36E+00	U	
TM	15	285767001	9/6/2011	Be-7	8.00E+00	6.95E+00	2.26E+01	U	
TM	15	285767001	9/6/2011	Ce-141	-1.49E-01	1.86E+00	4.53E+00	U	
TM	15	285767001	9/6/2011	Ce-144	3.47E-01	5.16E+00	1.61E+01	U	

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg).	FLAGS	
TM	15	285767001	9/6/2011	Co-57	-4.58E-01	6.59E-01	2.09E+00	U	
TM	15	285767001	9/6/2011	Co-58	-7.53E-01	7.59E-01	2.41E+00	U	
TM	15	285767001	9/6/2011	Co-60	1.18E+00	1.02E+00	2.97E+00	U	
TM	15	285767001	9/6/2011	Cr-51	-3.00E+00	7.40E+00	2.44E+01	U	
TM	15	285767001	9/6/2011	Cs-134	3.97E-02	8.97E-01	3.02E+00	U	
TM	15	285767001	9/6/2011	Cs-137	4.63E+00	9.29E-01	2.46E+00	M	
TM	15	285767001	9/6/2011	Fe-59	-8.78E-01	1.92E+00	6.25E+00	U	
TM	15	285767001	9/6/2011	I-131	-2.92E-01	3.75E-01	1.23E+00	U	DL*
TM	15	285767001	9/6/2011	K-40	1.73E+03	8.73E+01	2.29E+01		
TM	15	285767001	9/6/2011	La-140	-3.55E-01	1.36E+00	4.36E+00	U	
TM	15	285767001	9/6/2011	Mn-54	-5.57E-03	7.35E-01	2.47E+00	U	
TM	15	285767001	9/6/2011	Nb-95	9.36E-01	8.04E-01	2.58E+00	U	
TM	15	285767001	9/6/2011	Ru-103	-5.96E-02	7.61E-01	2.49E+00	U	
TM	15	285767001	9/6/2011	Ru-106	4.55E+00	6.80E+00	2.22E+01	U	
TM	15	285767001	9/6/2011	Sb-124	1.78E+00	1.71E+00	5.66E+00	U	
TM	15	285767001	9/6/2011	Sb-125	-2.23E+00	2.06E+00	6.43E+00	U	
TM	15	285767001	9/6/2011	Se-75	5.70E-01	9.66E-01	3.24E+00	U	
TM	15	285767001	9/6/2011	Th-228	3.05E-01	1.90E+00	4.93E+00	U	
TM	15	285767001	9/6/2011	Zn-65	-1.35E+00	1.93E+00	6.19E+00	U	
TM	15	285767001	9/6/2011	Zr-95	-1.34E+00	1.48E+00	4.53E+00	U	
TM	15	286081001	9/14/2011	Ac-228	-3.91E+00	4.46E+00	1.13E+01	U	
TM	15	286081001	9/14/2011	Ag-108m	4.88E-01	7.12E-01	2.41E+00	U	
TM	15	286081001	9/14/2011	Ag-110m	1.21E+00	9.44E-01	2.69E+00	U	
TM	15	286081001	9/14/2011	Ba-140	1.42E+00	2.07E+00	6.96E+00	U	
TM	15	286081001	9/14/2011	Be-7	1.41E+01	8.41E+00	2.70E+01	U	
TM	15	286081001	9/14/2011	Ce-141	-2.55E+00	2.35E+00	5.94E+00	U	
TM	15	286081001	9/14/2011	Ce-144	4.96E-01	5.88E+00	1.89E+01	U	
TM	15	286081001	9/14/2011	Co-57	-1.11E+00	8.12E-01	2.42E+00	U	
TM	15	286081001	9/14/2011	Co-58	1.24E+00	9.59E-01	3.20E+00	U	
TM	15	286081001	9/14/2011	Co-60	9.90E-01	9.96E-01	3.37E+00	U	
TM	15	286081001	9/14/2011	Cr-51	-1.17E+00	9.63E+00	3.13E+01	U	
TM	15	286081001	9/14/2011	Cs-134	-1.74E+00	1.14E+00	3.24E+00	U	
TM	15	286081001	9/14/2011	Cs-137	9.93E+00	1.60E+00	2.53E+00	M	
TM	15	286081001	9/14/2011	Fe-59	4.13E-01	2.44E+00	8.03E+00	U	
TM	15	286081001	9/14/2011	I-131	8.88E-02	2.44E-01	8.27E-01	U	
TM	15	286081001	9/14/2011	K-40	2.16E+03	1.12E+02	2.45E+01		
TM	15	286081001	9/14/2011	La-140	1.42E+00	2.07E+00	6.96E+00	U	
TM	15	286081001	9/14/2011	Mn-54	-1.50E+00	9.07E-01	2.66E+00	U	
TM	15	286081001	9/14/2011	Nb-95	9.81E-01	9.47E-01	3.07E+00	U	
TM	15	286081001	9/14/2011	Ru-103	-2.24E+00	1.15E+00	3.21E+00	U	
TM	15	286081001	9/14/2011	Ru-106	-1.83E+00	7.26E+00	2.36E+01	U	
TM	15	286081001	9/14/2011	Sb-124	-4.78E-01	1.79E+00	5.75E+00	U	
TM	15	286081001	9/14/2011	Sb-125	-3.81E+00	2.24E+00	6.62E+00	U	
TM	15	286081001	9/14/2011	Se-75	1.11E+00	1.18E+00	3.85E+00	U	
TM	15	286081001	9/14/2011	Th-228	-1.41E+00	2.01E+00	5.43E+00	U	
TM	15	286081001	9/14/2011	Zn-65	-2.33E+00	2.32E+00	7.16E+00	U	
TM	15	286081001	9/14/2011	Zr-95	-1.37E+00	1.77E+00	5.49E+00	U	
TM	15	286563001	9/21/2011	Ac-228	4.98E+00	5.36E+00	1.41E+01	U	
TM	15	286563001	9/21/2011	Ag-108m	-8.83E-01	8.42E-01	2.57E+00	U	
TM	15	286563001	9/21/2011	Ag-110m	-2.96E-01	1.00E+00	2.83E+00	U	
TM	15	286563001	9/21/2011	Ba-140	-2.50E+00	2.17E+00	6.53E+00	U	

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TM	15	286563001	9/21/2011	Be-7	-1.10E+01	8.91E+00	2.64E+01	U
TM	15	286563001	9/21/2011	Ce-141	1.35E+00	1.87E+00	6.04E+00	U
TM	15	286563001	9/21/2011	Ce-144	-1.47E+00	5.74E+00	1.85E+01	U
TM	15	286563001	9/21/2011	Co-57	-1.42E+00	9.88E-01	2.45E+00	U
TM	15	286563001	9/21/2011	Co-58	7.75E-01	1.09E+00	3.56E+00	U
TM	15	286563001	9/21/2011	Co-60	-6.05E-01	1.08E+00	3.40E+00	U
TM	15	286563001	9/21/2011	Cr-51	3.72E+00	9.69E+00	3.22E+01	U
TM	15	286563001	9/21/2011	Cs-134	-8.19E-02	1.11E+00	3.59E+00	U
TM	15	286563001	9/21/2011	Cs-137	1.30E+01	1.81E+00	3.01E+00	M
TM	15	286563001	9/21/2011	Fe-59	5.70E+00	2.93E+00	9.11E+00	U
TM	15	286563001	9/21/2011	I-131	8.28E-02	1.66E-01	5.57E-01	U
TM	15	286563001	9/21/2011	K-40	2.20E+03	1.04E+02	2.69E+01	
TM	15	286563001	9/21/2011	La-140	-2.50E+00	2.17E+00	6.53E+00	U
TM	15	286563001	9/21/2011	Mn-54	-2.23E-01	9.27E-01	2.98E+00	U
TM	15	286563001	9/21/2011	Nb-95	2.49E+00	1.48E+00	3.68E+00	U
TM	15	286563001	9/21/2011	Ru-103	-5.07E-01	1.06E+00	3.53E+00	U
TM	15	286563001	9/21/2011	Ru-106	5.07E+00	7.65E+00	2.56E+01	U
TM	15	286563001	9/21/2011	Sb-124	2.93E-01	2.03E+00	6.77E+00	U
TM	15	286563001	9/21/2011	Sb-125	-1.51E+00	2.30E+00	7.23E+00	U
TM	15	286563001	9/21/2011	Se-75	1.97E+00	1.26E+00	4.05E+00	U
TM	15	286563001	9/21/2011	Th-228	2.07E+00	2.17E+00	5.05E+00	U
TM	15	286563001	9/21/2011	Zn-65	-4.04E+00	2.54E+00	7.39E+00	U
TM	15	286563001	9/21/2011	Zr-95	1.71E+00	1.89E+00	6.19E+00	U
TM	15	288567001	10/19/2011	Ac-228	-7.69E+00	5.23E+00	1.30E+01	U
TM	15	288567001	10/19/2011	Ag-108m	-1.63E+00	9.31E-01	2.70E+00	U
TM	15	288567001	10/19/2011	Ag-110m	4.69E+00	1.57E+00	3.60E+00	UI
TM	15	288567001	10/19/2011	Ba-140	-8.55E-01	1.28E+00	4.04E+00	U
TM	15	288567001	10/19/2011	Be-7	3.94E+00	8.22E+00	2.74E+01	U
TM	15	288567001	10/19/2011	Ce-141	-8.73E+00	3.02E+00	5.82E+00	U
TM	15	288567001	10/19/2011	Ce-144	1.71E+00	6.99E+00	2.28E+01	U
TM	15	288567001	10/19/2011	Co-57	6.57E-01	9.20E-01	2.98E+00	U
TM	15	288567001	10/19/2011	Co-58	-4.21E-01	1.00E+00	3.22E+00	U
TM	15	288567001	10/19/2011	Co-60	-1.34E-01	1.04E+00	3.46E+00	U
TM	15	288567001	10/19/2011	Cr-51	1.87E+00	9.49E+00	3.18E+01	U
TM	15	288567001	10/19/2011	Cs-134	2.26E-01	1.28E+00	4.21E+00	U
TM	15	288567001	10/19/2011	Cs-137	1.24E+01	1.95E+00	3.06E+00	M
TM	15	288567001	10/19/2011	Fe-59	2.69E+00	2.52E+00	8.15E+00	U
TM	15	288567001	10/19/2011	I-131	1.66E-01	2.62E-01	8.86E-01	U
TM	15	288567001	10/19/2011	K-40	1.76E+03	9.74E+01	2.81E+01	
TM	15	288567001	10/19/2011	La-140	-8.55E-01	1.28E+00	4.04E+00	U
TM	15	288567001	10/19/2011	Mn-54	4.58E-01	9.38E-01	3.09E+00	U
TM	15	288567001	10/19/2011	Nb-95	5.66E-01	9.91E-01	3.27E+00	U
TM	15	288567001	10/19/2011	Ru-103	3.45E-01	9.92E-01	3.30E+00	U
TM	15	288567001	10/19/2011	Ru-106	-7.50E+00	8.87E+00	2.80E+01	U
TM	15	288567001	10/19/2011	Sb-124	-6.64E-01	1.80E+00	5.81E+00	U
TM	15	288567001	10/19/2011	Sb-125	-3.95E-01	2.65E+00	8.75E+00	U
TM	15	288567001	10/19/2011	Se-75	-3.44E-01	1.34E+00	4.47E+00	U
TM	15	288567001	10/19/2011	Th-228	1.49E+00	2.56E+00	6.76E+00	U
TM	15	288567001	10/19/2011	Zn-65	-1.98E+00	2.53E+00	7.87E+00	U
TM	15	288567001	10/19/2011	Zr-95	-1.74E+00	2.13E+00	5.27E+00	U
TM	15	290709001	11/16/2011	Ac-228	-3.88E+00	3.39E+00	6.67E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TM	15	290709001	11/16/2011	Ag-108m	-2.02E-01	4.18E-01	1.33E+00	U
TM	15	290709001	11/16/2011	Ag-110m	4.15E-01	5.00E-01	1.47E+00	U
TM	15	290709001	11/16/2011	Ba-140	5.59E-01	7.20E-01	2.44E+00	U
TM	15	290709001	11/16/2011	Be-7	8.97E-01	4.36E+00	1.41E+01	U
TM	15	290709001	11/16/2011	Ce-141	1.07E+00	9.91E-01	2.90E+00	U
TM	15	290709001	11/16/2011	Ce-144	-2.84E+00	4.08E+00	1.03E+01	U
TM	15	290709001	11/16/2011	Co-57	-6.98E-01	4.33E-01	1.33E+00	U
TM	15	290709001	11/16/2011	Co-58	-6.89E-02	5.03E-01	1.66E+00	U
TM	15	290709001	11/16/2011	Co-60	-5.88E-02	6.86E-01	1.91E+00	U
TM	15	290709001	11/16/2011	Cr-51	-3.81E+00	4.75E+00	1.51E+01	U
TM	15	290709001	11/16/2011	Cs-134	5.47E-02	5.50E-01	1.83E+00	U
TM	15	290709001	11/16/2011	Cs-137	8.38E+00	8.36E-01	1.60E+00	M
TM	15	290709001	11/16/2011	Fe-59	-1.13E+00	1.22E+00	3.79E+00	U
TM	15	290709001	11/16/2011	I-131	5.54E-02	1.72E-01	5.67E-01	U
TM	15	290709001	11/16/2011	K-40	1.71E+03	7.80E+01	1.39E+01	
TM	15	290709001	11/16/2011	La-140	5.59E-01	7.20E-01	2.44E+00	U
TM	15	290709001	11/16/2011	Mn-54	-6.45E-02	4.57E-01	1.51E+00	U
TM	15	290709001	11/16/2011	Nb-95	6.39E-01	7.79E-01	1.73E+00	U
TM	15	290709001	11/16/2011	Ru-103	6.60E-01	6.11E-01	1.71E+00	U
TM	15	290709001	11/16/2011	Ru-106	3.05E-01	4.13E+00	1.39E+01	U
TM	15	290709001	11/16/2011	Sb-124	8.45E-01	9.57E-01	3.23E+00	U
TM	15	290709001	11/16/2011	Sb-125	-1.60E+00	1.29E+00	3.89E+00	U
TM	15	290709001	11/16/2011	Se-75	-2.01E-01	6.37E-01	2.09E+00	U
TM	15	290709001	11/16/2011	Th-228	3.64E+00	1.97E+00	3.23E+00	UI
TM	15	290709001	11/16/2011	Zn-65	-4.30E-01	1.24E+00	3.98E+00	U
TM	15	290709001	11/16/2011	Zr-95	7.81E-01	8.94E-01	2.97E+00	U
TM	15	292314001	12/14/2011	Ac-228	1.31E+00	3.54E+00	8.90E+00	U
TM	15	292314001	12/14/2011	Ag-108m	-4.42E-01	5.28E-01	1.71E+00	U
TM	15	292314001	12/14/2011	Ag-110m	8.65E-01	6.66E-01	1.91E+00	U
TM	15	292314001	12/14/2011	Ba-140	-4.89E-01	9.25E-01	2.89E+00	U
TM	15	292314001	12/14/2011	Be-7	-1.19E+00	5.42E+00	1.80E+01	U
TM	15	292314001	12/14/2011	Ce-141	2.11E+00	1.29E+00	3.80E+00	U
TM	15	292314001	12/14/2011	Ce-144	1.06E+01	4.75E+00	1.38E+01	U
TM	15	292314001	12/14/2011	Co-57	-2.89E-01	5.20E-01	1.72E+00	U
TM	15	292314001	12/14/2011	Co-58	-6.04E-01	7.13E-01	2.21E+00	U
TM	15	292314001	12/14/2011	Co-60	8.53E-01	7.59E-01	2.50E+00	U
TM	15	292314001	12/14/2011	Cr-51	-4.05E+00	6.34E+00	2.00E+01	U
TM	15	292314001	12/14/2011	Cs-134	1.39E-01	7.64E-01	2.49E+00	U
TM	15	292314001	12/14/2011	Cs-137	9.25E+00	1.45E+00	2.13E+00	M
TM	15	292314001	12/14/2011	Fe-59	-3.91E-02	1.55E+00	5.16E+00	U
TM	15	292314001	12/14/2011	I-131	1.33E-01	1.49E-01	4.98E-01	U
TM	15	292314001	12/14/2011	K-40	1.51E+03	7.11E+01	1.74E+01	
TM	15	292314001	12/14/2011	La-140	-4.89E-01	9.25E-01	2.89E+00	U
TM	15	292314001	12/14/2011	Mn-54	-2.00E+00	8.17E-01	1.98E+00	U
TM	15	292314001	12/14/2011	Nb-95	1.78E+00	7.51E-01	2.20E+00	U
TM	15	292314001	12/14/2011	Ru-103	-1.06E+00	7.20E-01	2.17E+00	U
TM	15	292314001	12/14/2011	Ru-106	-9.00E+00	5.93E+00	1.75E+01	U
TM	15	292314001	12/14/2011	Sb-124	4.01E-01	1.30E+00	4.26E+00	U
TM	15	292314001	12/14/2011	Sb-125	-3.99E-01	1.61E+00	5.39E+00	U
TM	15	292314001	12/14/2011	Se-75	-3.91E-01	8.29E-01	2.66E+00	U
TM	15	292314001	12/14/2011	Th-228	7.99E+00	3.27E+00	4.22E+00	UI

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TM	15	292314001	12/14/2011	Zn-65	-4.96E-01	1.59E+00	5.24E+00	U
TM	15	292314001	12/14/2011	Zr-95	2.12E-01	1.20E+00	3.92E+00	U
TM	24	276543002	4/20/2011	Ac-228	4.57E+00	3.50E+00	1.16E+01	U
TM	24	276543002	4/20/2011	Ag-108m	-3.82E-01	7.60E-01	2.46E+00	U
TM	24	276543002	4/20/2011	Ag-110m	-9.57E-02	8.82E-01	2.46E+00	U
TM	24	276543002	4/20/2011	Ba-140	-8.91E-01	1.56E+00	4.84E+00	U
TM	24	276543002	4/20/2011	Be-7	-1.28E+00	7.32E+00	2.39E+01	U
TM	24	276543002	4/20/2011	Ce-141	1.40E+00	1.63E+00	5.21E+00	U
TM	24	276543002	4/20/2011	Ce-144	-9.27E+00	5.92E+00	1.72E+01	U
TM	24	276543002	4/20/2011	Co-57	1.86E+00	8.31E-01	2.38E+00	U
TM	24	276543002	4/20/2011	Co-58	-1.19E+00	9.29E-01	2.86E+00	U
TM	24	276543002	4/20/2011	Co-60	-1.67E-01	9.32E-01	3.04E+00	U
TM	24	276543002	4/20/2011	Cr-51	-4.85E+00	8.75E+00	2.86E+01	U
TM	24	276543002	4/20/2011	Cs-134	2.52E-01	9.98E-01	3.38E+00	U
TM	24	276543002	4/20/2011	Cs-137	2.95E+00	1.09E+00	2.76E+00	M
TM	24	276543002	4/20/2011	Fe-59	3.53E+00	2.40E+00	7.81E+00	U
TM	24	276543002	4/20/2011	I-131	7.79E-02	2.54E-01	8.62E-01	U
TM	24	276543002	4/20/2011	K-40	1.72E+03	8.77E+01	2.39E+01	
TM	24	276543002	4/20/2011	La-140	-8.91E-01	1.56E+00	4.84E+00	U
TM	24	276543002	4/20/2011	Mn-54	2.67E-01	7.96E-01	2.69E+00	U
TM	24	276543002	4/20/2011	Nb-95	9.01E-01	8.78E-01	2.85E+00	U
TM	24	276543002	4/20/2011	Ru-103	-7.07E-01	9.56E-01	3.03E+00	U
TM	24	276543002	4/20/2011	Ru-106	-8.56E+00	7.62E+00	2.31E+01	U
TM	24	276543002	4/20/2011	Sb-124	4.10E-01	1.84E+00	6.02E+00	U
TM	24	276543002	4/20/2011	Sb-125	-1.08E+00	2.19E+00	7.08E+00	U
TM	24	276543002	4/20/2011	Se-75	9.16E-01	1.15E+00	3.84E+00	U
TM	24	276543002	4/20/2011	Th-228	1.41E+00	2.11E+00	5.35E+00	U
TM	24	276543002	4/20/2011	Zn-65	-2.96E+00	2.24E+00	6.77E+00	U
TM	24	276543002	4/20/2011	Zr-95	9.15E-01	1.56E+00	5.08E+00	U
TM	24	277468002	5/3/2011	Ac-228	3.31E+00	2.48E+00	7.84E+00	U
TM	24	277468002	5/3/2011	Ag-108m	9.79E-02	4.52E-01	1.52E+00	U
TM	24	277468002	5/3/2011	Ag-110m	-2.24E-01	6.23E-01	1.75E+00	U
TM	24	277468002	5/3/2011	Ba-140	1.04E+00	7.76E-01	2.53E+00	U
TM	24	277468002	5/3/2011	Be-7	-8.42E-01	4.24E+00	1.41E+01	U
TM	24	277468002	5/3/2011	Ce-141	1.19E+00	9.14E-01	2.83E+00	U
TM	24	277468002	5/3/2011	Ce-144	3.84E-01	3.46E+00	1.11E+01	U
TM	24	277468002	5/3/2011	Co-57	2.72E-01	4.45E-01	1.48E+00	U
TM	24	277468002	5/3/2011	Co-58	-7.55E-01	5.88E-01	1.77E+00	U
TM	24	277468002	5/3/2011	Co-60	9.10E-01	6.55E-01	2.13E+00	U
TM	24	277468002	5/3/2011	Cr-51	4.15E+00	4.85E+00	1.55E+01	U
TM	24	277468002	5/3/2011	Cs-134	6.27E-02	6.85E-01	2.24E+00	U
TM	24	277468002	5/3/2011	Cs-137	2.52E+00	1.21E+00	1.86E+00	M
TM	24	277468002	5/3/2011	Fe-59	1.02E+00	1.29E+00	4.31E+00	U
TM	24	277468002	5/3/2011	I-131	1.86E-01	2.69E-01	9.13E-01	U
TM	24	277468002	5/3/2011	K-40	1.87E+03	8.55E+01	1.61E+01	
TM	24	277468002	5/3/2011	La-140	1.04E+00	7.75E-01	2.53E+00	U
TM	24	277468002	5/3/2011	Mn-54	-9.69E-01	6.05E-01	1.75E+00	U
TM	24	277468002	5/3/2011	Nb-95	-4.21E-01	5.75E-01	1.82E+00	U
TM	24	277468002	5/3/2011	Ru-103	-1.38E+00	6.19E-01	1.66E+00	U
TM	24	277468002	5/3/2011	Ru-106	2.06E+00	4.80E+00	1.59E+01	U
TM	24	277468002	5/3/2011	Sb-124	-1.07E+00	1.20E+00	3.70E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TM	24	277468002	5/3/2011	Sb-125	-8.89E-01	1.41E+00	4.63E+00	U
TM	24	277468002	5/3/2011	Se-75	5.37E-01	7.15E-01	2.31E+00	U
TM	24	277468002	5/3/2011	Th-228	-2.54E+00	1.60E+00	3.34E+00	U
TM	24	277468002	5/3/2011	Zn-65	-1.37E+00	1.45E+00	4.64E+00	U
TM	24	277468002	5/3/2011	Zr-95	-3.38E-01	9.95E-01	3.22E+00	U
TM	24	278644002	5/18/2011	Ac-228	4.19E+00	2.75E+00	8.73E+00	U
TM	24	278644002	5/18/2011	Ag-108m	-1.37E+00	5.76E-01	1.50E+00	U
TM	24	278644002	5/18/2011	Ag-110m	-1.02E+01	2.49E+00	1.88E+00	U
TM	24	278644002	5/18/2011	Ba-140	1.08E+00	1.58E+00	5.24E+00	U
TM	24	278644002	5/18/2011	Be-7	-5.94E+00	5.71E+00	1.78E+01	U
TM	24	278644002	5/18/2011	Ce-141	2.08E+00	1.95E+00	3.44E+00	U
TM	24	278644002	5/18/2011	Ce-144	7.36E-01	3.16E+00	1.06E+01	U
TM	24	278644002	5/18/2011	Co-57	1.01E-01	4.06E-01	1.37E+00	U
TM	24	278644002	5/18/2011	Co-58	6.49E-01	6.90E-01	2.28E+00	U
TM	24	278644002	5/18/2011	Co-60	-6.24E-01	7.05E-01	2.23E+00	U
TM	24	278644002	5/18/2011	Cr-51	5.25E+00	6.30E+00	2.12E+01	U
TM	24	278644002	5/18/2011	Cs-134	3.28E-01	7.64E-01	2.55E+00	U
TM	24	278644002	5/18/2011	Cs-137	-1.68E+00	1.38E+00	3.35E+00	U
TM	24	278644002	5/18/2011	Fe-59	1.03E+00	1.85E+00	5.98E+00	U
TM	24	278644002	5/18/2011	I-131	3.40E-01	1.75E-01	5.28E-01	U
TM	24	278644002	5/18/2011	K-40	1.84E+03	8.55E+01	1.81E+01	
TM	24	278644002	5/18/2011	La-140	1.08E+00	1.58E+00	5.24E+00	U
TM	24	278644002	5/18/2011	Mn-54	-7.11E-01	6.30E-01	1.96E+00	U
TM	24	278644002	5/18/2011	Nb-95	7.50E-01	7.19E-01	2.38E+00	U
TM	24	278644002	5/18/2011	Ru-103	-9.82E-01	8.14E-01	2.15E+00	U
TM	24	278644002	5/18/2011	Ru-106	8.86E+00	5.85E+00	1.82E+01	U
TM	24	278644002	5/18/2011	Sb-124	-9.98E-01	1.43E+00	4.41E+00	U
TM	24	278644002	5/18/2011	Sb-125	-4.74E-01	1.44E+00	4.74E+00	U
TM	24	278644002	5/18/2011	Se-75	-9.20E-01	7.83E-01	2.37E+00	U
TM	24	278644002	5/18/2011	Th-228	1.13E-01	1.64E+00	3.41E+00	U
TM	24	278644002	5/18/2011	Zn-65	1.30E+00	1.69E+00	5.45E+00	U
TM	24	278644002	5/18/2011	Zr-95	-5.09E-01	1.24E+00	4.08E+00	U
TM	24	279336002	6/1/2011	Ac-228	3.63E+00	3.98E+00	1.16E+01	U
TM	24	279336002	6/1/2011	Ag-108m	-9.57E-02	6.59E-01	2.14E+00	U
TM	24	279336002	6/1/2011	Ag-110m	2.03E+00	9.64E-01	2.67E+00	U
TM	24	279336002	6/1/2011	Ba-140	-1.48E+00	1.13E+00	3.19E+00	U
TM	24	279336002	6/1/2011	Be-7	-5.45E-01	6.41E+00	2.07E+01	U
TM	24	279336002	6/1/2011	Ce-141	6.74E-01	1.42E+00	4.14E+00	U
TM	24	279336002	6/1/2011	Ce-144	-1.17E+00	4.80E+00	1.56E+01	U
TM	24	279336002	6/1/2011	Co-57	-7.76E-01	6.72E-01	2.08E+00	U
TM	24	279336002	6/1/2011	Co-58	-1.59E-01	7.95E-01	2.60E+00	U
TM	24	279336002	6/1/2011	Co-60	-6.69E-01	9.07E-01	2.86E+00	U
TM	24	279336002	6/1/2011	Cr-51	1.90E+00	6.77E+00	2.27E+01	U
TM	24	279336002	6/1/2011	Cs-134	1.38E+00	9.83E-01	3.21E+00	U
TM	24	279336002	6/1/2011	Cs-137	1.83E+00	1.22E+00	2.75E+00	U
TM	24	279336002	6/1/2011	Fe-59	-3.68E-01	1.79E+00	5.98E+00	U
TM	24	279336002	6/1/2011	I-131	-4.55E-01	1.98E-01	5.29E-01	U
TM	24	279336002	6/1/2011	K-40	1.84E+03	9.29E+01	2.25E+01	
TM	24	279336002	6/1/2011	La-140	-1.48E+00	1.13E+00	3.19E+00	U
TM	24	279336002	6/1/2011	Mn-54	-5.91E-01	8.18E-01	2.59E+00	U
TM	24	279336002	6/1/2011	Nb-95	-8.38E-03	7.75E-01	2.56E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TM	24	279336002	6/1/2011	Ru-103	-1.61E+00	8.76E-01	2.39E+00	U
TM	24	279336002	6/1/2011	Ru-106	4.56E+00	6.76E+00	2.28E+01	U
TM	24	279336002	6/1/2011	Sb-124	-1.34E+00	1.69E+00	5.10E+00	U
TM	24	279336002	6/1/2011	Sb-125	3.24E+00	2.10E+00	6.67E+00	U
TM	24	279336002	6/1/2011	Se-75	-1.89E-01	9.62E-01	3.23E+00	U
TM	24	279336002	6/1/2011	Th-228	1.63E+00	1.93E+00	5.03E+00	U
TM	24	279336002	6/1/2011	Zn-65	1.86E+00	2.14E+00	7.21E+00	U
TM	24	279336002	6/1/2011	Zr-95	1.17E-01	1.43E+00	4.75E+00	U
TM	24	280311002	6/15/2011	Ac-228	-9.21E-01	3.41E+00	9.24E+00	U
TM	24	280311002	6/15/2011	Ag-108m	-4.75E-01	5.86E-01	1.79E+00	U
TM	24	280311002	6/15/2011	Ag-110m	-5.43E-01	7.26E-01	1.94E+00	U
TM	24	280311002	6/15/2011	Ba-140	-3.98E-02	1.16E+00	3.86E+00	U
TM	24	280311002	6/15/2011	Be-7	2.84E+00	5.73E+00	1.89E+01	U
TM	24	280311002	6/15/2011	Ce-141	-4.58E+00	2.09E+00	4.36E+00	U
TM	24	280311002	6/15/2011	Ce-144	-2.35E-01	4.83E+00	1.49E+01	U
TM	24	280311002	6/15/2011	Co-57	-1.07E-01	5.89E-01	1.91E+00	U
TM	24	280311002	6/15/2011	Co-58	-3.28E-01	6.97E-01	2.29E+00	U
TM	24	280311002	6/15/2011	Co-60	1.17E+00	7.70E-01	2.48E+00	U
TM	24	280311002	6/15/2011	Cr-51	9.35E-01	7.26E+00	2.44E+01	U
TM	24	280311002	6/15/2011	Cs-134	7.87E-01	7.87E-01	2.64E+00	U
TM	24	280311002	6/15/2011	Cs-137	1.82E+00	1.02E+00	2.04E+00	U
TM	24	280311002	6/15/2011	Fe-59	1.04E-02	1.83E+00	6.00E+00	U
TM	24	280311002	6/15/2011	I-131	-1.59E-01	2.96E-01	9.75E-01	U
TM	24	280311002	6/15/2011	K-40	1.96E+03	9.49E+01	1.80E+01	
TM	24	280311002	6/15/2011	La-140	-3.98E-02	1.16E+00	3.86E+00	U
TM	24	280311002	6/15/2011	Mn-54	-3.91E-01	6.18E-01	2.01E+00	U
TM	24	280311002	6/15/2011	Nb-95	7.86E-01	6.99E-01	2.34E+00	U
TM	24	280311002	6/15/2011	Ru-103	-9.23E-01	8.05E-01	2.46E+00	U
TM	24	280311002	6/15/2011	Ru-106	4.07E+00	5.63E+00	1.83E+01	U
TM	24	280311002	6/15/2011	Sb-124	1.31E+00	1.33E+00	4.56E+00	U
TM	24	280311002	6/15/2011	Sb-125	-1.66E+00	1.69E+00	5.29E+00	U
TM	24	280311002	6/15/2011	Se-75	1.08E-01	8.59E-01	2.91E+00	U
TM	24	280311002	6/15/2011	Th-228	2.60E+00	2.29E+00	4.50E+00	U
TM	24	280311002	6/15/2011	Zn-65	-1.91E+00	1.68E+00	5.12E+00	U
TM	24	280311002	6/15/2011	Zr-95	2.11E-03	1.24E+00	4.17E+00	U
TM	24	282329002	7/13/2011	Ac-228	2.29E+00	3.86E+00	9.91E+00	U
TM	24	282329002	7/13/2011	Ag-108m	-6.20E-01	5.42E-01	1.65E+00	U
TM	24	282329002	7/13/2011	Ag-110m	-7.42E-01	7.28E-01	1.99E+00	U
TM	24	282329002	7/13/2011	Ba-140	1.24E-01	9.46E-01	3.15E+00	U
TM	24	282329002	7/13/2011	Be-7	-5.59E+00	5.59E+00	1.72E+01	U
TM	24	282329002	7/13/2011	Ce-141	-3.16E+00	1.38E+00	3.55E+00	U
TM	24	282329002	7/13/2011	Ce-144	-1.81E+00	4.29E+00	1.36E+01	U
TM	24	282329002	7/13/2011	Co-57	-1.02E+00	7.15E-01	1.80E+00	U
TM	24	282329002	7/13/2011	Co-58	8.19E-01	6.94E-01	2.29E+00	U
TM	24	282329002	7/13/2011	Co-60	-1.08E+00	9.65E-01	2.74E+00	U
TM	24	282329002	7/13/2011	Cr-51	6.32E+00	6.36E+00	2.09E+01	U
TM	24	282329002	7/13/2011	Cs-134	2.05E+00	9.45E-01	2.88E+00	U
TM	24	282329002	7/13/2011	Cs-137	1.04E+00	1.12E+00	2.23E+00	U
TM	24	282329002	7/13/2011	Fe-59	4.15E-01	1.64E+00	5.35E+00	U
TM	24	282329002	7/13/2011	I-131	4.38E-02	2.50E-01	8.43E-01	U
TM	24	282329002	7/13/2011	K-40	1.92E+03	9.16E+01	1.86E+01	

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TM	24	282329002	7/13/2011	La-140	1.24E-01	9.46E-01	3.15E+00	U
TM	24	282329002	7/13/2011	Mn-54	-8.52E-01	6.78E-01	2.07E+00	U
TM	24	282329002	7/13/2011	Nb-95	1.82E-01	6.53E-01	2.19E+00	U
TM	24	282329002	7/13/2011	Ru-103	-9.86E-01	7.24E-01	2.13E+00	U
TM	24	282329002	7/13/2011	Ru-106	1.78E-01	5.34E+00	1.80E+01	U
TM	24	282329002	7/13/2011	Sb-124	-1.16E+00	1.41E+00	4.35E+00	U
TM	24	282329002	7/13/2011	Sb-125	2.84E-01	1.60E+00	5.24E+00	U
TM	24	282329002	7/13/2011	Se-75	-1.15E-01	8.20E-01	2.74E+00	U
TM	24	282329002	7/13/2011	Th-228	-5.71E-01	1.51E+00	4.11E+00	U
TM	24	282329002	7/13/2011	Zn-65	-2.21E+00	1.80E+00	5.39E+00	U
TM	24	282329002	7/13/2011	Zr-95	-6.42E-02	1.18E+00	3.92E+00	U
TM	24	283016002	7/27/2011	Ac-228	6.66E+00	4.98E+00	1.24E+01	U
TM	24	283016002	7/27/2011	Ag-108m	2.99E-01	6.76E-01	2.19E+00	U
TM	24	283016002	7/27/2011	Ag-110m	-2.24E+00	9.30E-01	2.36E+00	U
TM	24	283016002	7/27/2011	Ba-140	-9.90E-01	1.25E+00	3.94E+00	U
TM	24	283016002	7/27/2011	Be-7	2.46E+00	6.72E+00	2.16E+01	U
TM	24	283016002	7/27/2011	Ce-141	-3.29E-01	1.79E+00	4.55E+00	U
TM	24	283016002	7/27/2011	Ce-144	-6.44E-01	5.03E+00	1.61E+01	U
TM	24	283016002	7/27/2011	Co-57	1.02E+00	6.88E-01	2.13E+00	U
TM	24	283016002	7/27/2011	Co-58	2.68E+00	1.01E+00	2.81E+00	U
TM	24	283016002	7/27/2011	Co-60	1.12E+00	8.94E-01	2.93E+00	U
TM	24	283016002	7/27/2011	Cr-51	-1.21E+01	8.05E+00	2.41E+01	U
TM	24	283016002	7/27/2011	Cs-134	7.77E-01	9.65E-01	3.16E+00	U
TM	24	283016002	7/27/2011	Cs-137	2.45E+00	1.03E+00	3.02E+00	U
TM	24	283016002	7/27/2011	Fe-59	-9.59E-01	1.93E+00	6.27E+00	U
TM	24	283016002	7/27/2011	I-131	-2.46E-01	2.83E-01	9.09E-01	U
TM	24	283016002	7/27/2011	K-40	1.94E+03	9.85E+01	2.49E+01	
TM	24	283016002	7/27/2011	La-140	-9.90E-01	1.25E+00	3.94E+00	U
TM	24	283016002	7/27/2011	Mn-54	-1.53E+00	8.19E-01	2.24E+00	U
TM	24	283016002	7/27/2011	Nb-95	1.51E+00	8.52E-01	2.67E+00	U
TM	24	283016002	7/27/2011	Ru-103	-1.04E+00	8.25E-01	2.58E+00	U
TM	24	283016002	7/27/2011	Ru-106	4.90E+00	6.60E+00	2.20E+01	U
TM	24	283016002	7/27/2011	Sb-124	8.70E-02	1.51E+00	5.04E+00	U
TM	24	283016002	7/27/2011	Sb-125	1.33E+00	2.05E+00	6.64E+00	U
TM	24	283016002	7/27/2011	Se-75	6.04E-01	1.02E+00	3.41E+00	U
TM	24	283016002	7/27/2011	Th-228	9.55E-01	2.09E+00	4.91E+00	U
TM	24	283016002	7/27/2011	Zn-65	-2.30E+00	2.07E+00	6.42E+00	U
TM	24	283016002	7/27/2011	Zr-95	-4.70E-02	1.35E+00	4.41E+00	U
TM	24	284041002	8/11/2011	Ac-228	-1.07E+00	4.36E+00	1.28E+01	U
TM	24	284041002	8/11/2011	Ag-108m	-2.47E+00	9.60E-01	2.33E+00	U
TM	24	284041002	8/11/2011	Ag-110m	-7.97E-01	1.05E+00	2.80E+00	U
TM	24	284041002	8/11/2011	Ba-140	1.53E+00	4.23E+00	1.40E+01	U
TM	24	284041002	8/11/2011	Be-7	-1.30E+01	1.01E+01	3.04E+01	U
TM	24	284041002	8/11/2011	Ce-141	2.56E+00	2.68E+00	7.92E+00	U
TM	24	284041002	8/11/2011	Ce-144	-1.00E+00	6.09E+00	1.96E+01	U
TM	24	284041002	8/11/2011	Co-57	7.50E-02	7.82E-01	2.54E+00	U
TM	24	284041002	8/11/2011	Co-58	-5.69E-01	1.09E+00	3.58E+00	U
TM	24	284041002	8/11/2011	Co-60	-1.24E+00	1.07E+00	3.21E+00	U
TM	24	284041002	8/11/2011	Cr-51	-1.16E+01	1.39E+01	4.46E+01	U
TM	24	284041002	8/11/2011	Cs-134	-9.14E-01	1.13E+00	3.64E+00	U
TM	24	284041002	8/11/2011	Cs-137	3.29E+00	1.17E+00	2.96E+00	M

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TM	24	284041002	8/11/2011	Fe-59	-4.73E-01	3.03E+00	9.98E+00	U
TM	24	284041002	8/11/2011	I-131	1.21E-02	1.76E-01	5.79E-01	U
TM	24	284041002	8/11/2011	K-40	2.16E+03	1.09E+02	2.62E+01	
TM	24	284041002	8/11/2011	La-140	1.53E+00	4.23E+00	1.40E+01	U
TM	24	284041002	8/11/2011	Mn-54	-1.24E+00	9.46E-01	2.90E+00	U
TM	24	284041002	8/11/2011	Nb-95	1.10E+00	1.33E+00	3.99E+00	U
TM	24	284041002	8/11/2011	Ru-103	1.21E+00	1.36E+00	4.45E+00	U
TM	24	284041002	8/11/2011	Ru-106	1.37E+01	8.75E+00	2.78E+01	U
TM	24	284041002	8/11/2011	Sb-124	-3.87E-02	2.09E+00	6.75E+00	U
TM	24	284041002	8/11/2011	Sb-125	3.27E+00	2.37E+00	7.69E+00	U
TM	24	284041002	8/11/2011	Se-75	8.82E-01	1.33E+00	4.45E+00	U
TM	24	284041002	8/11/2011	Th-228	-1.37E+00	2.12E+00	5.77E+00	U
TM	24	284041002	8/11/2011	Zn-65	-2.75E+00	2.58E+00	8.00E+00	U
TM	24	284041002	8/11/2011	Zr-95	-1.92E+00	2.22E+00	6.80E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
WG	01	274738001	3/23/2011	Ac-228	-7.67E-01	2.65E+00	7.39E+00	U
WG	01	274738001	3/23/2011	Ag-108m	-8.64E-01	5.20E-01	1.47E+00	U
WG	01	274738001	3/23/2011	Ag-110m	-5.03E-01	5.19E-01	1.64E+00	U
WG	01	274738001	3/23/2011	Ba-140	1.31E+00	8.88E-01	3.00E+00	U
WG	01	274738001	3/23/2011	Be-7	-4.31E+00	4.87E+00	1.49E+01	U
WG	01	274738001	3/23/2011	BETA	9.68E+00	1.80E+00	3.39E+00	
WG	01	274738001	3/23/2011	Bi-214	2.75E+01	2.46E+00	3.49E+00	X(1)
WG	01	274738001	3/23/2011	Ce-141	-3.60E+00	1.69E+00	3.46E+00	U
WG	01	274738001	3/23/2011	Ce-144	-1.64E-01	3.73E+00	1.26E+01	U
WG	01	274738001	3/23/2011	Co-57	-3.50E-01	4.94E-01	1.64E+00	U
WG	01	274738001	3/23/2011	Co-58	-8.99E-01	5.68E-01	1.64E+00	U
WG	01	274738001	3/23/2011	Co-60	1.85E+00	7.34E-01	2.18E+00	U
WG	01	274738001	3/23/2011	Cr-51	6.21E+00	5.64E+00	1.83E+01	U
WG	01	274738001	3/23/2011	Cs-134	1.23E+00	6.62E-01	2.13E+00	U
WG	01	274738001	3/23/2011	Cs-137	-1.73E-01	5.45E-01	1.80E+00	U
WG	01	274738001	3/23/2011	Fe-59	-8.74E-01	1.14E+00	3.54E+00	U
WG	01	274738001	3/23/2011	H-3	-1.63E+02	1.47E+02	5.12E+02	U
WG	01	274738001	3/23/2011	I-131	2.36E-01	1.08E+00	3.54E+00	U
WG	01	274738001	3/23/2011	K-40	-1.02E+00	1.02E+01	2.49E+01	U
WG	01	274738001	3/23/2011	La-140	1.31E+00	8.86E-01	3.00E+00	U
WG	01	274738001	3/23/2011	Mn-54	-2.00E-01	5.36E-01	1.74E+00	U
WG	01	274738001	3/23/2011	Nb-95	1.19E+00	7.12E-01	2.05E+00	U
WG	01	274738001	3/23/2011	Pb-212	-4.78E-01	1.65E+00	3.98E+00	U
WG	01	274738001	3/23/2011	Pb-214	2.15E+01	3.10E+00	4.13E+00	X(1)
WG	01	274738001	3/23/2011	Ru-103	7.98E-01	6.08E-01	1.93E+00	U
WG	01	274738001	3/23/2011	Ru-106	6.00E-01	4.86E+00	1.64E+01	U
WG	01	274738001	3/23/2011	Sb-124	6.80E-01	1.26E+00	4.27E+00	U
WG	01	274738001	3/23/2011	Sb-125	4.12E+00	1.77E+00	5.18E+00	U
WG	01	274738001	3/23/2011	Se-75	7.25E-01	7.54E-01	2.48E+00	U
WG	01	274738001	3/23/2011	Th-228	-4.78E-01	1.65E+00	3.98E+00	U
WG	01	274738001	3/23/2011	Zn-65	-5.24E-01	1.20E+00	3.26E+00	U
WG	01	274738001	3/23/2011	Zr-95	8.09E-01	9.97E-01	3.35E+00	U
WG	01	281223001	6/29/2011	Ac-228	-2.21E+00	4.46E+00	7.07E+00	U
WG	01	281223001	6/29/2011	Ag-108m	1.79E-01	4.56E-01	1.50E+00	U
WG	01	281223001	6/29/2011	Ag-110m	-6.55E-01	5.44E-01	1.45E+00	U
WG	01	281223001	6/29/2011	Ba-140	-1.89E+00	1.18E+00	2.98E+00	U
WG	01	281223001	6/29/2011	Be-7	1.88E-01	4.53E+00	1.47E+01	U
WG	01	281223001	6/29/2011	BETA	9.32E+00	1.51E+00	3.19E+00	
WG	01	281223001	6/29/2011	Bi-214	1.73E+00	2.34E+00	4.47E+00	U
WG	01	281223001	6/29/2011	Ce-141	5.87E-01	1.04E+00	3.32E+00	U
WG	01	281223001	6/29/2011	Ce-144	5.45E+00	3.79E+00	1.17E+01	U
WG	01	281223001	6/29/2011	Co-57	1.26E+00	5.50E-01	1.55E+00	U
WG	01	281223001	6/29/2011	Co-58	7.21E-01	5.31E-01	1.74E+00	U
WG	01	281223001	6/29/2011	Co-60	8.17E-02	1.06E+00	2.16E+00	U
WG	01	281223001	6/29/2011	Cr-51	-2.21E+00	5.29E+00	1.73E+01	U
WG	01	281223001	6/29/2011	Cs-134	7.50E-01	6.05E-01	2.00E+00	U
WG	01	281223001	6/29/2011	Cs-137	1.82E+00	8.89E-01	1.73E+00	UI
WG	01	281223001	6/29/2011	Fe-59	1.29E+00	1.14E+00	3.71E+00	U
WG	01	281223001	6/29/2011	H-3	5.75E+01	1.21E+02	3.90E+02	U
WG	01	281223001	6/29/2011	I-131	9.89E-01	1.18E+00	3.87E+00	U
WG	01	281223001	6/29/2011	K-40	-2.56E+00	1.09E+01	2.50E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
WG	01	281223001	6/29/2011	La-140	-1.89E+00	1.18E+00	2.98E+00	U
WG	01	281223001	6/29/2011	Mn-54	-9.37E-01	7.06E-01	1.57E+00	U
WG	01	281223001	6/29/2011	Nb-95	5.51E-01	5.03E-01	1.68E+00	U
WG	01	281223001	6/29/2011	Pb-212	1.70E+00	1.69E+00	3.52E+00	U
WG	01	281223001	6/29/2011	Pb-214	5.41E+00	2.31E+00	4.49E+00	UI
WG	01	281223001	6/29/2011	Ru-103	-4.23E-01	5.90E-01	1.85E+00	U
WG	01	281223001	6/29/2011	Ru-106	-1.86E+00	4.41E+00	1.46E+01	U
WG	01	281223001	6/29/2011	Sb-124	1.04E+00	1.12E+00	3.79E+00	U
WG	01	281223001	6/29/2011	Sb-125	-4.01E-02	1.34E+00	4.36E+00	U
WG	01	281223001	6/29/2011	Se-75	-8.97E-01	7.40E-01	2.33E+00	U
WG	01	281223001	6/29/2011	Th-228	1.70E+00	1.69E+00	3.52E+00	U
WG	01	281223001	6/29/2011	Zn-65	-2.92E+00	1.35E+00	3.45E+00	U
WG	01	281223001	6/29/2011	Zr-95	1.28E-01	8.30E-01	2.78E+00	U
WG	01	286300001	9/15/2011	Ac-228	4.72E+00	1.95E+00	5.75E+00	U
WG	01	286300001	9/15/2011	Ag-108m	5.28E-01	3.80E-01	1.22E+00	U
WG	01	286300001	9/15/2011	Ag-110m	-2.41E-01	3.83E-01	1.20E+00	U
WG	01	286300001	9/15/2011	Ba-140	1.42E+00	1.55E+00	5.24E+00	U
WG	01	286300001	9/15/2011	Be-7	4.02E+00	4.36E+00	1.43E+01	U
WG	01	286300001	9/15/2011	BETA	2.18E+00	1.13E+00	3.07E+00	U
WG	01	286300001	9/15/2011	Bi-214	6.41E+00	2.02E+00	2.60E+00	X(1)
WG	01	286300001	9/15/2011	Ce-141	-2.01E-01	1.01E+00	3.25E+00	U
WG	01	286300001	9/15/2011	Ce-144	1.03E+00	2.93E+00	9.54E+00	U
WG	01	286300001	9/15/2011	Co-57	4.76E-01	3.88E-01	1.23E+00	U
WG	01	286300001	9/15/2011	Co-58	2.08E-01	4.60E-01	1.56E+00	U
WG	01	286300001	9/15/2011	Co-60	2.74E-01	4.07E-01	1.34E+00	U
WG	01	286300001	9/15/2011	Cr-51	-8.33E-01	5.25E+00	1.75E+01	U
WG	01	286300001	9/15/2011	Cs-134	6.47E-01	5.02E-01	1.67E+00	U
WG	01	286300001	9/15/2011	Cs-137	4.84E-02	4.03E-01	1.30E+00	U
WG	01	286300001	9/15/2011	Fe-59	-1.65E+00	1.08E+00	3.11E+00	U
WG	01	286300001	9/15/2011	H-3	1.36E+01	1.75E+02	5.74E+02	U
WG	01	286300001	9/15/2011	I-131	-1.47E+00	2.44E+00	7.96E+00	U
WG	01	286300001	9/15/2011	K-40	-3.31E+00	8.40E+00	1.82E+01	U
WG	01	286300001	9/15/2011	La-140	1.42E+00	1.55E+00	5.24E+00	U
WG	01	286300001	9/15/2011	Mn-54	-3.08E-01	3.97E-01	1.28E+00	U
WG	01	286300001	9/15/2011	Nb-95	-2.78E-01	4.50E-01	1.47E+00	U
WG	01	286300001	9/15/2011	Pb-212	8.43E-01	1.47E+00	2.58E+00	U
WG	01	286300001	9/15/2011	Pb-214	5.35E+00	2.19E+00	3.04E+00	X(1)
WG	01	286300001	9/15/2011	Ru-103	-5.89E-01	5.79E-01	1.79E+00	U
WG	01	286300001	9/15/2011	Ru-106	5.18E+00	3.99E+00	1.27E+01	U
WG	01	286300001	9/15/2011	Sb-124	-1.20E+00	1.17E+00	3.59E+00	U
WG	01	286300001	9/15/2011	Sb-125	6.08E-01	1.07E+00	3.56E+00	U
WG	01	286300001	9/15/2011	Se-75	-9.30E-01	8.85E-01	1.99E+00	U
WG	01	286300001	9/15/2011	Th-228	8.43E-01	1.47E+00	2.58E+00	U
WG	01	286300001	9/15/2011	Zn-65	-3.78E-01	1.02E+00	2.83E+00	U
WG	01	286300001	9/15/2011	Zr-95	-5.95E-01	8.17E-01	2.66E+00	U
WG	01	292542001	12/16/2011	Ac-228	-6.76E+00	4.38E+00	1.04E+01	U
WG	01	292542001	12/16/2011	Ag-108m	-1.16E+00	6.91E-01	1.92E+00	U
WG	01	292542001	12/16/2011	Ag-110m	-6.63E-01	6.94E-01	2.02E+00	U
WG	01	292542001	12/16/2011	Ba-140	8.96E-01	1.65E+00	5.46E+00	U
WG	01	292542001	12/16/2011	Be-7	-3.70E+00	6.10E+00	2.00E+01	U
WG	01	292542001	12/16/2011	BETA	2.62E+00	1.25E+00	3.68E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
WG	01	292542001	12/16/2011	Bi-214	7.74E+00	2.71E+00	4.05E+00	X(1)
WG	01	292542001	12/16/2011	Ce-141	1.19E+00	1.41E+00	4.71E+00	U
WG	01	292542001	12/16/2011	Ce-144	3.32E+00	4.68E+00	1.58E+01	U
WG	01	292542001	12/16/2011	Co-57	4.69E-01	6.17E-01	2.08E+00	U
WG	01	292542001	12/16/2011	Co-58	-7.13E-01	7.30E-01	2.22E+00	U
WG	01	292542001	12/16/2011	Co-60	1.28E+00	7.54E-01	2.48E+00	U
WG	01	292542001	12/16/2011	Cr-51	4.53E+00	7.90E+00	2.58E+01	U
WG	01	292542001	12/16/2011	Cs-134	6.63E-01	7.86E-01	2.60E+00	U
WG	01	292542001	12/16/2011	Cs-137	3.40E-01	6.84E-01	2.28E+00	U
WG	01	292542001	12/16/2011	Fe-59	1.81E+00	1.54E+00	5.16E+00	U
WG	01	292542001	12/16/2011	H-3	5.78E+01	7.97E+01	2.38E+02	U
WG	01	292542001	12/16/2011	I-131	1.21E+00	2.17E+00	7.06E+00	U
WG	01	292542001	12/16/2011	K-40	7.86E+00	1.25E+01	1.96E+01	U
WG	01	292542001	12/16/2011	La-140	8.96E-01	1.65E+00	5.46E+00	U
WG	01	292542001	12/16/2011	Mn-54	-7.77E-01	6.66E-01	1.98E+00	U
WG	01	292542001	12/16/2011	Nb-95	-1.37E+00	1.09E+00	2.44E+00	U
WG	01	292542001	12/16/2011	Pb-212	3.16E+00	2.55E+00	5.12E+00	U
WG	01	292542001	12/16/2011	Pb-214	7.93E+00	3.63E+00	6.61E+00	UI
WG	01	292542001	12/16/2011	Ru-103	2.57E-01	7.67E-01	2.59E+00	U
WG	01	292542001	12/16/2011	Ru-106	-5.70E+00	6.11E+00	1.92E+01	U
WG	01	292542001	12/16/2011	Sb-124	-2.46E+00	1.85E+00	5.20E+00	U
WG	01	292542001	12/16/2011	Sb-125	-6.60E-01	1.92E+00	6.05E+00	U
WG	01	292542001	12/16/2011	Se-75	-1.01E+00	9.91E-01	3.09E+00	U
WG	01	292542001	12/16/2011	Th-228	3.16E+00	2.55E+00	5.12E+00	U
WG	01	292542001	12/16/2011	Zn-65	-1.37E+00	1.66E+00	4.42E+00	U
WG	01	292542001	12/16/2011	Zr-95	-2.12E+00	1.69E+00	3.92E+00	U
WG	13	274738002	3/23/2011	Ac-228	-2.88E+00	3.99E+00	9.81E+00	U
WG	13	274738002	3/23/2011	Ag-108m	1.08E+00	6.69E-01	2.13E+00	U
WG	13	274738002	3/23/2011	Ag-110m	-6.92E+00	1.82E+00	2.21E+00	U
WG	13	274738002	3/23/2011	Ba-140	2.08E+00	1.44E+00	4.72E+00	U
WG	13	274738002	3/23/2011	Be-7	-1.66E+01	6.97E+00	1.74E+01	U
WG	13	274738002	3/23/2011	BETA	3.68E+00	1.30E+00	3.44E+00	M
WG	13	274738002	3/23/2011	Bi-214	4.15E+01	4.13E+00	4.88E+00	X(1)
WG	13	274738002	3/23/2011	Ce-141	-1.23E+00	1.15E+00	3.67E+00	U
WG	13	274738002	3/23/2011	Ce-144	-5.01E+00	4.19E+00	1.33E+01	U
WG	13	274738002	3/23/2011	Co-57	6.88E-01	5.15E-01	1.69E+00	U
WG	13	274738002	3/23/2011	Co-58	1.07E-01	6.82E-01	2.27E+00	U
WG	13	274738002	3/23/2011	Co-60	3.28E-01	8.00E-01	2.69E+00	U
WG	13	274738002	3/23/2011	Cr-51	-7.25E+00	6.16E+00	1.96E+01	U
WG	13	274738002	3/23/2011	Cs-134	1.67E+00	9.46E-01	3.04E+00	U
WG	13	274738002	3/23/2011	Cs-137	-4.80E+00	1.86E+00	3.81E+00	U
WG	13	274738002	3/23/2011	Fe-59	-1.44E+00	1.48E+00	4.44E+00	U
WG	13	274738002	3/23/2011	H-3	2.85E+02	1.75E+02	5.22E+02	U
WG	13	274738002	3/23/2011	I-131	2.44E-01	1.16E+00	3.92E+00	U
WG	13	274738002	3/23/2011	K-40	-2.39E+00	1.17E+01	3.20E+01	U
WG	13	274738002	3/23/2011	La-140	2.08E+00	1.44E+00	4.72E+00	U
WG	13	274738002	3/23/2011	Mn-54	-6.80E-01	6.85E-01	2.13E+00	U
WG	13	274738002	3/23/2011	Nb-95	-3.23E-01	7.60E-01	2.49E+00	U
WG	13	274738002	3/23/2011	Pb-212	6.76E-01	1.84E+00	4.28E+00	U
WG	13	274738002	3/23/2011	Pb-214	4.45E+01	4.04E+00	4.81E+00	X(1)
WG	13	274738002	3/23/2011	Ru-103	-2.10E+00	8.92E-01	2.22E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
WG	13	274738002	3/23/2011	Ru-106	4.35E+00	6.19E+00	2.01E+01	U
WG	13	274738002	3/23/2011	Sb-124	1.69E+00	1.69E+00	5.63E+00	U
WG	13	274738002	3/23/2011	Sb-125	2.11E+00	1.91E+00	6.26E+00	U
WG	13	274738002	3/23/2011	Se-75	-1.22E+00	9.51E-01	2.83E+00	U
WG	13	274738002	3/23/2011	Th-228	6.76E-01	1.84E+00	4.28E+00	U
WG	13	274738002	3/23/2011	Zn-65	-3.35E-01	1.72E+00	4.72E+00	U
WG	13	274738002	3/23/2011	Zr-95	-3.23E+00	1.42E+00	3.64E+00	U
WG	13	281223002	6/29/2011	Ac-228	1.18E+00	3.20E+00	8.33E+00	U
WG	13	281223002	6/29/2011	Ag-108m	2.44E-01	5.04E-01	1.66E+00	U
WG	13	281223002	6/29/2011	Ag-110m	1.33E-01	5.19E-01	1.76E+00	U
WG	13	281223002	6/29/2011	Ba-140	1.39E-01	1.58E+00	5.22E+00	U
WG	13	281223002	6/29/2011	Be-7	-1.42E+01	9.37E+00	1.79E+01	U
WG	13	281223002	6/29/2011	BETA	8.52E+00	1.56E+00	3.70E+00	
WG	13	281223002	6/29/2011	Bi-214	2.79E-01	2.30E+00	4.68E+00	U
WG	13	281223002	6/29/2011	Ce-141	-4.16E+00	2.24E+00	4.28E+00	U
WG	13	281223002	6/29/2011	Ce-144	-4.37E+00	4.18E+00	1.30E+01	U
WG	13	281223002	6/29/2011	Co-57	-1.81E+00	8.75E-01	1.82E+00	U
WG	13	281223002	6/29/2011	Co-58	-6.01E-01	5.94E-01	1.84E+00	U
WG	13	281223002	6/29/2011	Co-60	-8.71E-01	6.15E-01	1.80E+00	U
WG	13	281223002	6/29/2011	Cr-51	1.32E+00	6.67E+00	2.24E+01	U
WG	13	281223002	6/29/2011	Cs-134	3.15E-01	6.39E-01	2.14E+00	U
WG	13	281223002	6/29/2011	Cs-137	-2.33E-01	5.47E-01	1.81E+00	U
WG	13	281223002	6/29/2011	Fe-59	7.77E-01	1.26E+00	4.14E+00	U
WG	13	281223002	6/29/2011	H-3	2.39E+01	1.16E+02	3.78E+02	U
WG	13	281223002	6/29/2011	I-131	2.20E+00	2.35E+00	7.74E+00	U
WG	13	281223002	6/29/2011	K-40	3.90E+01	1.16E+01	2.77E+01	UI
WG	13	281223002	6/29/2011	La-140	1.39E-01	1.58E+00	5.22E+00	U
WG	13	281223002	6/29/2011	Mn-54	-3.31E-01	5.57E-01	1.79E+00	U
WG	13	281223002	6/29/2011	Nb-95	2.35E-01	6.11E-01	2.05E+00	U
WG	13	281223002	6/29/2011	Pb-212	5.46E-01	1.96E+00	3.90E+00	U
WG	13	281223002	6/29/2011	Pb-214	2.55E+00	2.70E+00	4.89E+00	U
WG	13	281223002	6/29/2011	Ru-103	-7.37E-01	7.12E-01	2.17E+00	U
WG	13	281223002	6/29/2011	Ru-106	-6.19E+00	5.06E+00	1.58E+01	U
WG	13	281223002	6/29/2011	Sb-124	9.69E-01	1.38E+00	4.62E+00	U
WG	13	281223002	6/29/2011	Sb-125	-8.91E-01	1.55E+00	4.98E+00	U
WG	13	281223002	6/29/2011	Se-75	8.64E-01	8.13E-01	2.71E+00	U
WG	13	281223002	6/29/2011	Th-228	5.46E-01	1.96E+00	3.90E+00	U
WG	13	281223002	6/29/2011	Zn-65	-2.87E+00	1.38E+00	3.48E+00	U
WG	13	281223002	6/29/2011	Zr-95	-2.44E-01	1.02E+00	3.38E+00	U
WG	13	286300002	9/15/2011	Ac-228	-2.54E+00	3.50E+00	7.15E+00	U
WG	13	286300002	9/15/2011	Ag-108m	2.45E-02	4.25E-01	1.40E+00	U
WG	13	286300002	9/15/2011	Ag-110m	-5.22E-02	4.98E-01	1.61E+00	U
WG	13	286300002	9/15/2011	Ba-140	1.22E+00	1.68E+00	5.54E+00	U
WG	13	286300002	9/15/2011	Be-7	-2.23E+00	5.29E+00	1.71E+01	U
WG	13	286300002	9/15/2011	BETA	2.03E+00	1.09E+00	2.92E+00	U
WG	13	286300002	9/15/2011	Bi-214	4.51E+00	2.57E+00	3.93E+00	UI
WG	13	286300002	9/15/2011	Ce-141	2.03E+00	1.37E+00	3.91E+00	U
WG	13	286300002	9/15/2011	Ce-144	4.11E-03	3.69E+00	1.10E+01	U
WG	13	286300002	9/15/2011	Co-57	-4.28E-01	4.59E-01	1.43E+00	U
WG	13	286300002	9/15/2011	Co-58	2.57E-01	5.54E-01	1.88E+00	U
WG	13	286300002	9/15/2011	Co-60	-4.64E-01	5.35E-01	1.66E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
WG	13	286300002	9/15/2011	Cr-51	1.40E+00	6.60E+00	2.20E+01	U
WG	13	286300002	9/15/2011	Cs-134	-4.03E-01	5.89E-01	1.92E+00	U
WG	13	286300002	9/15/2011	Cs-137	2.00E-01	5.15E-01	1.68E+00	U
WG	13	286300002	9/15/2011	Fe-59	4.31E-01	1.31E+00	4.38E+00	U
WG	13	286300002	9/15/2011	H-3	2.06E+02	1.81E+02	5.62E+02	U
WG	13	286300002	9/15/2011	I-131	3.11E+00	2.89E+00	9.45E+00	U
WG	13	286300002	9/15/2011	K-40	-2.43E+00	8.68E+00	2.33E+01	U
WG	13	286300002	9/15/2011	La-140	1.22E+00	1.68E+00	5.54E+00	U
WG	13	286300002	9/15/2011	Mn-54	-2.21E-02	4.71E-01	1.58E+00	U
WG	13	286300002	9/15/2011	Nb-95	8.32E-01	6.01E-01	1.91E+00	U
WG	13	286300002	9/15/2011	Pb-212	4.83E-01	1.53E+00	3.55E+00	U
WG	13	286300002	9/15/2011	Pb-214	1.30E+00	2.03E+00	4.10E+00	U
WG	13	286300002	9/15/2011	Ru-103	4.90E-01	6.60E-01	2.17E+00	U
WG	13	286300002	9/15/2011	Ru-106	-5.42E+00	4.79E+00	1.46E+01	U
WG	13	286300002	9/15/2011	Sb-124	1.62E+00	1.44E+00	4.74E+00	U
WG	13	286300002	9/15/2011	Sb-125	-1.88E+00	1.38E+00	4.20E+00	U
WG	13	286300002	9/15/2011	Se-75	-7.91E-01	7.32E-01	2.34E+00	U
WG	13	286300002	9/15/2011	Th-228	4.83E-01	1.53E+00	3.55E+00	U
WG	13	286300002	9/15/2011	Zn-65	-3.87E-01	1.07E+00	3.48E+00	U
WG	13	286300002	9/15/2011	Zr-95	-1.86E+00	1.14E+00	3.21E+00	U
WG	13	292542002	12/16/2011	Ac-228	-7.82E+00	4.11E+00	8.87E+00	U
WG	13	292542002	12/16/2011	Ag-108m	2.84E-01	8.20E-01	1.91E+00	U
WG	13	292542002	12/16/2011	Ag-110m	4.17E-01	6.37E-01	2.10E+00	U
WG	13	292542002	12/16/2011	Ba-140	1.42E+00	1.61E+00	5.41E+00	U
WG	13	292542002	12/16/2011	Be-7	-4.70E+00	5.95E+00	1.92E+01	U
WG	13	292542002	12/16/2011	BETA	-4.92E-01	8.95E-01	3.08E+00	U
WG	13	292542002	12/16/2011	Bi-214	2.12E-01	2.18E+00	5.19E+00	U
WG	13	292542002	12/16/2011	Ce-141	5.00E+00	1.88E+00	4.73E+00	UI
WG	13	292542002	12/16/2011	Ce-144	2.79E+00	4.75E+00	1.52E+01	U
WG	13	292542002	12/16/2011	Co-57	8.43E-01	6.41E-01	2.01E+00	U
WG	13	292542002	12/16/2011	Co-58	-2.10E-01	6.50E-01	2.16E+00	U
WG	13	292542002	12/16/2011	Co-60	-2.14E-02	6.67E-01	2.23E+00	U
WG	13	292542002	12/16/2011	Cr-51	1.42E+01	8.19E+00	2.54E+01	U
WG	13	292542002	12/16/2011	Cs-134	-5.27E-01	7.42E-01	2.29E+00	U
WG	13	292542002	12/16/2011	Cs-137	-2.36E-01	6.68E-01	2.15E+00	U
WG	13	292542002	12/16/2011	Fe-59	1.50E+00	1.56E+00	5.17E+00	U
WG	13	292542002	12/16/2011	H-3	1.69E+02	9.19E+01	2.32E+02	U
WG	13	292542002	12/16/2011	I-131	4.38E-01	2.08E+00	6.74E+00	U
WG	13	292542002	12/16/2011	K-40	4.25E+00	1.38E+01	2.08E+01	U
WG	13	292542002	12/16/2011	La-140	1.42E+00	1.61E+00	5.41E+00	U
WG	13	292542002	12/16/2011	Mn-54	-5.07E-01	5.89E-01	1.88E+00	U
WG	13	292542002	12/16/2011	Nb-95	-2.10E+00	1.22E+00	2.41E+00	U
WG	13	292542002	12/16/2011	Pb-212	-2.15E-01	1.80E+00	4.47E+00	U
WG	13	292542002	12/16/2011	Pb-214	2.98E+00	2.56E+00	5.37E+00	U
WG	13	292542002	12/16/2011	Ru-103	-8.56E-01	8.10E-01	2.55E+00	U
WG	13	292542002	12/16/2011	Ru-106	2.43E+00	5.56E+00	1.84E+01	U
WG	13	292542002	12/16/2011	Sb-124	4.03E+00	2.01E+00	6.46E+00	U
WG	13	292542002	12/16/2011	Sb-125	-2.61E-02	1.66E+00	5.61E+00	U
WG	13	292542002	12/16/2011	Se-75	1.04E+00	9.46E-01	3.09E+00	U
WG	13	292542002	12/16/2011	Th-228	-2.15E-01	1.80E+00	4.47E+00	U
WG	13	292542002	12/16/2011	Zn-65	-1.10E+00	1.34E+00	4.16E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
WG	13	292542002	12/16/2011	Zr-95	3.29E-01	1.26E+00	4.12E+00	U
WG	14	274738003	3/23/2011	Ac-228	5.65E+00	3.35E+00	1.07E+01	U
WG	14	274738003	3/23/2011	Ag-108m	-3.19E-01	7.50E-01	2.47E+00	U
WG	14	274738003	3/23/2011	Ag-110m	-5.02E-01	7.69E-01	2.37E+00	U
WG	14	274738003	3/23/2011	Ba-140	-6.70E-01	1.28E+00	4.04E+00	U
WG	14	274738003	3/23/2011	Be-7	2.93E+00	7.30E+00	2.43E+01	U
WG	14	274738003	3/23/2011	BETA	2.70E+00	1.21E+00	3.56E+00	U
WG	14	274738003	3/23/2011	Bi-214	2.17E+02	1.19E+01	5.06E+00	X(1)
WG	14	274738003	3/23/2011	Ce-141	1.99E+00	2.00E+00	5.98E+00	U
WG	14	274738003	3/23/2011	Ce-144	-2.26E+00	6.59E+00	2.16E+01	U
WG	14	274738003	3/23/2011	Co-57	1.01E+00	8.84E-01	2.85E+00	U
WG	14	274738003	3/23/2011	Co-58	-2.28E+00	9.84E-01	2.47E+00	U
WG	14	274738003	3/23/2011	Co-60	1.60E+00	8.95E-01	2.84E+00	U
WG	14	274738003	3/23/2011	Cr-51	-4.35E+00	8.40E+00	2.80E+01	U
WG	14	274738003	3/23/2011	Cs-134	1.63E+00	1.00E+00	3.12E+00	U
WG	14	274738003	3/23/2011	Cs-137	-5.69E-01	9.61E-01	2.63E+00	U
WG	14	274738003	3/23/2011	Fe-59	1.72E+00	1.57E+00	5.19E+00	U
WG	14	274738003	3/23/2011	H-3	-2.30E+02	1.44E+02	5.14E+02	U
WG	14	274738003	3/23/2011	I-131	1.14E+00	1.55E+00	5.20E+00	U
WG	14	274738003	3/23/2011	K-40	-1.48E+00	1.08E+01	3.28E+01	U
WG	14	274738003	3/23/2011	La-140	-6.70E-01	1.28E+00	4.04E+00	U
WG	14	274738003	3/23/2011	Mn-54	-9.67E-01	9.43E-01	2.44E+00	U
WG	14	274738003	3/23/2011	Nb-95	7.65E+00	2.09E+00	3.57E+00	UI
WG	14	274738003	3/23/2011	Pb-212	1.34E+00	2.43E+00	5.35E+00	U
WG	14	274738003	3/23/2011	Pb-214	2.45E+02	1.42E+01	6.54E+00	X(1)
WG	14	274738003	3/23/2011	Ru-103	-9.14E-02	8.47E-01	2.80E+00	U
WG	14	274738003	3/23/2011	Ru-106	-8.74E+00	7.26E+00	2.22E+01	U
WG	14	274738003	3/23/2011	Sb-124	5.06E-01	1.74E+00	5.66E+00	U
WG	14	274738003	3/23/2011	Sb-125	5.03E-01	2.35E+00	7.85E+00	U
WG	14	274738003	3/23/2011	Se-75	6.21E-01	1.31E+00	4.20E+00	U
WG	14	274738003	3/23/2011	Th-228	1.34E+00	2.43E+00	5.35E+00	U
WG	14	274738003	3/23/2011	Zn-65	1.07E-02	1.81E+00	5.16E+00	U
WG	14	274738003	3/23/2011	Zr-95	-1.69E+00	1.42E+00	4.27E+00	U
WG	14	281223003	6/29/2011	Ac-228	1.74E+00	2.71E+00	8.91E+00	U
WG	14	281223003	6/29/2011	Ag-108m	-4.90E-01	6.16E-01	1.97E+00	U
WG	14	281223003	6/29/2011	Ag-110m	2.36E-01	6.84E-01	2.26E+00	U
WG	14	281223003	6/29/2011	Ba-140	6.38E-01	1.75E+00	5.87E+00	U
WG	14	281223003	6/29/2011	Be-7	-1.08E+01	7.28E+00	2.18E+01	U
WG	14	281223003	6/29/2011	BETA	5.48E+00	1.35E+00	3.63E+00	
WG	14	281223003	6/29/2011	Bi-214	2.20E+01	3.46E+00	4.59E+00	X(1)
WG	14	281223003	6/29/2011	Ce-141	-2.95E+00	2.31E+00	5.78E+00	U
WG	14	281223003	6/29/2011	Ce-144	-1.03E+01	6.03E+00	1.74E+01	U
WG	14	281223003	6/29/2011	Co-57	-5.22E-01	7.25E-01	2.31E+00	U
WG	14	281223003	6/29/2011	Co-58	1.75E-01	7.42E-01	2.44E+00	U
WG	14	281223003	6/29/2011	Co-60	-1.03E+00	7.31E-01	2.16E+00	U
WG	14	281223003	6/29/2011	Cr-51	5.70E+00	9.14E+00	3.05E+01	U
WG	14	281223003	6/29/2011	Cs-134	7.58E-02	8.48E-01	2.78E+00	U
WG	14	281223003	6/29/2011	Cs-137	1.43E-01	7.26E-01	2.40E+00	U
WG	14	281223003	6/29/2011	Fe-59	-9.51E-01	1.61E+00	5.04E+00	U
WG	14	281223003	6/29/2011	H-3	-7.21E+01	1.13E+02	3.80E+02	U
WG	14	281223003	6/29/2011	I-131	4.44E+00	3.00E+00	9.64E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
WG	14	281223003	6/29/2011	K-40	1.25E+00	1.45E+01	2.93E+01	U
WG	14	281223003	6/29/2011	La-140	6.38E-01	1.75E+00	5.87E+00	U
WG	14	281223003	6/29/2011	Mn-54	7.53E-01	6.78E-01	2.21E+00	U
WG	14	281223003	6/29/2011	Nb-95	1.13E+00	8.10E-01	2.61E+00	U
WG	14	281223003	6/29/2011	Pb-212	1.24E-01	2.54E+00	5.21E+00	U
WG	14	281223003	6/29/2011	Pb-214	2.10E+01	6.29E+00	7.84E+00	UI
WG	14	281223003	6/29/2011	Ru-103	1.68E+00	9.35E-01	2.91E+00	U
WG	14	281223003	6/29/2011	Ru-106	-4.67E+00	6.07E+00	1.84E+01	U
WG	14	281223003	6/29/2011	Sb-124	-1.19E+00	1.60E+00	5.02E+00	U
WG	14	281223003	6/29/2011	Sb-125	-2.38E-02	1.88E+00	6.23E+00	U
WG	14	281223003	6/29/2011	Se-75	4.25E-01	1.07E+00	3.60E+00	U
WG	14	281223003	6/29/2011	Th-228	1.24E-01	2.54E+00	5.21E+00	U
WG	14	281223003	6/29/2011	Zn-65	-2.78E+00	1.78E+00	5.05E+00	U
WG	14	281223003	6/29/2011	Zr-95	1.24E+00	1.42E+00	4.65E+00	U
WG	14	286300003	9/15/2011	Ac-228	3.52E+00	3.91E+00	8.98E+00	U
WG	14	286300003	9/15/2011	Ag-108m	4.76E-01	5.61E-01	1.82E+00	U
WG	14	286300003	9/15/2011	Ag-110m	-2.13E+00	7.95E-01	1.83E+00	U
WG	14	286300003	9/15/2011	Ba-140	5.36E-01	1.73E+00	5.66E+00	U
WG	14	286300003	9/15/2011	Be-7	-2.93E+00	5.98E+00	1.88E+01	U
WG	14	286300003	9/15/2011	BETA	2.24E+00	1.11E+00	2.96E+00	U
WG	14	286300003	9/15/2011	Bi-214	2.76E+01	3.17E+00	4.51E+00	X(1)
WG	14	286300003	9/15/2011	Ce-141	-2.60E+00	1.82E+00	4.29E+00	U
WG	14	286300003	9/15/2011	Ce-144	1.09E+00	4.46E+00	1.44E+01	U
WG	14	286300003	9/15/2011	Co-57	1.45E-01	5.57E-01	1.81E+00	U
WG	14	286300003	9/15/2011	Co-58	-5.82E-01	7.14E-01	2.22E+00	U
WG	14	286300003	9/15/2011	Co-60	-3.22E-01	7.40E-01	2.37E+00	U
WG	14	286300003	9/15/2011	Cr-51	-3.56E+00	9.33E+00	2.37E+01	U
WG	14	286300003	9/15/2011	Cs-134	-4.97E-02	7.75E-01	2.53E+00	U
WG	14	286300003	9/15/2011	Cs-137	-3.03E-01	9.41E-01	2.56E+00	U
WG	14	286300003	9/15/2011	Fe-59	8.22E-01	1.39E+00	4.71E+00	U
WG	14	286300003	9/15/2011	H-3	-1.58E+01	1.73E+02	5.72E+02	U
WG	14	286300003	9/15/2011	I-131	-1.93E-01	2.16E+00	7.07E+00	U
WG	14	286300003	9/15/2011	K-40	2.86E+00	1.38E+01	2.45E+01	U
WG	14	286300003	9/15/2011	La-140	5.36E-01	1.73E+00	5.66E+00	U
WG	14	286300003	9/15/2011	Mn-54	2.33E-01	6.40E-01	2.11E+00	U
WG	14	286300003	9/15/2011	Nb-95	-2.51E-01	1.05E+00	2.40E+00	U
WG	14	286300003	9/15/2011	Pb-212	2.53E+00	1.88E+00	3.72E+00	U
WG	14	286300003	9/15/2011	Pb-214	2.60E+01	3.25E+00	4.72E+00	X(1)
WG	14	286300003	9/15/2011	Ru-103	-5.06E-01	8.35E-01	2.60E+00	U
WG	14	286300003	9/15/2011	Ru-106	3.11E+00	5.37E+00	1.81E+01	U
WG	14	286300003	9/15/2011	Sb-124	2.09E+00	1.89E+00	6.43E+00	U
WG	14	286300003	9/15/2011	Sb-125	1.08E+00	1.71E+00	5.57E+00	U
WG	14	286300003	9/15/2011	Se-75	1.13E+00	9.56E-01	3.13E+00	U
WG	14	286300003	9/15/2011	Th-228	2.53E+00	1.88E+00	3.72E+00	U
WG	14	286300003	9/15/2011	Zn-65	9.15E-01	1.43E+00	4.22E+00	U
WG	14	286300003	9/15/2011	Zr-95	-1.11E+00	1.19E+00	3.67E+00	U
WG	14	292542003	12/16/2011	Ac-228	3.47E+00	4.96E+00	8.96E+00	U
WG	14	292542003	12/16/2011	Ag-108m	-4.65E-01	5.91E-01	1.88E+00	U
WG	14	292542003	12/16/2011	Ag-110m	-1.63E+00	7.46E-01	2.02E+00	U
WG	14	292542003	12/16/2011	Ba-140	-1.27E+00	1.66E+00	5.20E+00	U
WG	14	292542003	12/16/2011	Be-7	-1.06E+01	6.65E+00	1.93E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
WG	14	292542003	12/16/2011	BETA	1.62E+00	1.18E+00	3.44E+00	U
WG	14	292542003	12/16/2011	Bi-214	7.88E+01	5.12E+00	4.10E+00	X(1)
WG	14	292542003	12/16/2011	Ce-141	-8.89E-01	1.45E+00	4.65E+00	U
WG	14	292542003	12/16/2011	Ce-144	5.34E+00	4.78E+00	1.53E+01	U
WG	14	292542003	12/16/2011	Co-57	-1.13E-01	5.95E-01	1.95E+00	U
WG	14	292542003	12/16/2011	Co-58	-7.10E-01	6.41E-01	1.98E+00	U
WG	14	292542003	12/16/2011	Co-60	4.77E-02	6.49E-01	2.18E+00	U
WG	14	292542003	12/16/2011	Cr-51	1.46E+01	8.10E+00	2.55E+01	U
WG	14	292542003	12/16/2011	Cs-134	9.23E-01	7.43E-01	2.47E+00	U
WG	14	292542003	12/16/2011	Cs-137	-1.78E+00	1.14E+00	2.54E+00	U
WG	14	292542003	12/16/2011	Fe-59	1.09E+00	1.38E+00	4.56E+00	U
WG	14	292542003	12/16/2011	H-3	5.90E+01	8.14E+01	2.43E+02	U
WG	14	292542003	12/16/2011	I-131	7.48E-01	2.03E+00	6.77E+00	U
WG	14	292542003	12/16/2011	K-40	-2.70E+00	8.79E+00	2.69E+01	U
WG	14	292542003	12/16/2011	La-140	-1.27E+00	1.66E+00	5.20E+00	U
WG	14	292542003	12/16/2011	Mn-54	-5.86E-02	6.37E-01	2.11E+00	U
WG	14	292542003	12/16/2011	Nb-95	1.80E+00	9.21E-01	2.59E+00	U
WG	14	292542003	12/16/2011	Pb-212	-2.12E+00	2.00E+00	4.53E+00	U
WG	14	292542003	12/16/2011	Pb-214	8.39E+01	5.97E+00	4.78E+00	X(1)
WG	14	292542003	12/16/2011	Ru-103	2.75E-02	7.83E-01	2.56E+00	U
WG	14	292542003	12/16/2011	Ru-106	1.75E+00	5.81E+00	1.88E+01	U
WG	14	292542003	12/16/2011	Sb-124	-8.21E-01	2.32E+00	5.31E+00	U
WG	14	292542003	12/16/2011	Sb-125	2.53E+00	1.85E+00	5.99E+00	U
WG	14	292542003	12/16/2011	Se-75	7.56E-02	9.25E-01	3.14E+00	U
WG	14	292542003	12/16/2011	Th-228	-2.12E+00	2.00E+00	4.53E+00	U
WG	14	292542003	12/16/2011	Zn-65	6.21E-01	1.67E+00	4.46E+00	U
WG	14	292542003	12/16/2011	Zr-95	-1.10E+00	1.20E+00	3.80E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
WS	01	271331001	1/25/2011	Ac-228	-6.27E+00	3.64E+00	9.04E+00	U
WS	01	271331001	1/25/2011	Ag-108m	-1.06E+00	6.35E-01	1.85E+00	U
WS	01	271331001	1/25/2011	Ag-110m	4.57E-01	6.53E-01	2.15E+00	U
WS	01	271331001	1/25/2011	Ba-140	1.94E+00	1.39E+00	4.55E+00	U
WS	01	271331001	1/25/2011	Be-7	6.98E+00	6.14E+00	2.01E+01	U
WS	01	271331001	1/25/2011	Bi-214	0.00E+00	4.02E+00	5.72E+00	U
WS	01	271331001	1/25/2011	Ce-141	3.28E+00	1.50E+00	4.06E+00	U
WS	01	271331001	1/25/2011	Ce-144	-9.28E+00	5.08E+00	1.38E+01	U
WS	01	271331001	1/25/2011	Co-57	4.75E-01	5.80E-01	1.88E+00	U
WS	01	271331001	1/25/2011	Co-58	-2.95E-02	6.59E-01	2.12E+00	U
WS	01	271331001	1/25/2011	Co-60	1.59E-01	6.66E-01	2.21E+00	U
WS	01	271331001	1/25/2011	Cr-51	3.78E+00	6.41E+00	2.15E+01	U
WS	01	271331001	1/25/2011	Cs-134	1.12E+00	8.66E-01	2.79E+00	U
WS	01	271331001	1/25/2011	Cs-137	-7.84E-01	7.14E-01	2.17E+00	U
WS	01	271331001	1/25/2011	Fe-59	2.04E+00	1.51E+00	5.00E+00	U
WS	01	271331001	1/25/2011	I-131	5.54E-01	1.30E+00	4.34E+00	U
WS	01	271331001	1/25/2011	K-40	3.21E+02	2.59E+01	2.32E+01	
WS	01	271331001	1/25/2011	La-140	1.94E+00	1.39E+00	4.55E+00	U
WS	01	271331001	1/25/2011	Mn-54	-6.60E-01	6.75E-01	2.04E+00	U
WS	01	271331001	1/25/2011	Nb-95	1.06E+00	7.01E-01	2.24E+00	U
WS	01	271331001	1/25/2011	Pb-212	-1.39E+00	1.90E+00	4.51E+00	U
WS	01	271331001	1/25/2011	Pb-214	-6.43E-01	2.09E+00	5.31E+00	U
WS	01	271331001	1/25/2011	Ru-103	-4.50E-01	7.12E-01	2.28E+00	U
WS	01	271331001	1/25/2011	Ru-106	-1.82E+00	5.88E+00	1.90E+01	U
WS	01	271331001	1/25/2011	Sb-124	-1.62E-02	1.79E+00	5.80E+00	U
WS	01	271331001	1/25/2011	Sb-125	-1.26E+00	1.81E+00	5.81E+00	U
WS	01	271331001	1/25/2011	Se-75	6.76E-01	8.55E-01	2.87E+00	U
WS	01	271331001	1/25/2011	Th-228	-1.39E+00	1.90E+00	4.51E+00	U
WS	01	271331001	1/25/2011	Zn-65	-3.14E-01	1.51E+00	4.96E+00	U
WS	01	271331001	1/25/2011	Zr-95	-8.12E-02	1.17E+00	3.77E+00	U
WS	01	273396001	2/23/2011	Ac-228	2.44E+00	5.30E+00	1.12E+01	U
WS	01	273396001	2/23/2011	Ag-108m	6.63E-01	6.27E-01	2.08E+00	U
WS	01	273396001	2/23/2011	Ag-110m	-8.71E-01	7.79E-01	2.30E+00	U
WS	01	273396001	2/23/2011	Ba-140	-7.13E-01	1.70E+00	5.41E+00	U
WS	01	273396001	2/23/2011	Be-7	-1.13E+00	6.64E+00	2.17E+01	U
WS	01	273396001	2/23/2011	Bi-214	3.81E+00	2.95E+00	6.41E+00	U
WS	01	273396001	2/23/2011	Ce-141	6.46E-01	1.13E+00	3.74E+00	U
WS	01	273396001	2/23/2011	Ce-144	-6.85E-01	3.86E+00	1.28E+01	U
WS	01	273396001	2/23/2011	Co-57	-1.13E-01	4.84E-01	1.61E+00	U
WS	01	273396001	2/23/2011	Co-58	-8.00E-01	8.72E-01	2.74E+00	U
WS	01	273396001	2/23/2011	Co-60	6.28E-01	8.53E-01	2.91E+00	U
WS	01	273396001	2/23/2011	Cr-51	-4.49E+00	7.17E+00	2.37E+01	U
WS	01	273396001	2/23/2011	Cs-134	-1.16E+00	9.96E-01	3.06E+00	U
WS	01	273396001	2/23/2011	Cs-137	1.49E+00	8.65E-01	2.72E+00	U
WS	01	273396001	2/23/2011	Fe-59	1.64E+00	1.96E+00	6.46E+00	U
WS	01	273396001	2/23/2011	I-131	1.62E+00	1.86E+00	6.23E+00	U
WS	01	273396001	2/23/2011	K-40	3.21E+02	2.83E+01	2.98E+01	
WS	01	273396001	2/23/2011	La-140	-7.13E-01	1.70E+00	5.41E+00	U
WS	01	273396001	2/23/2011	Mn-54	4.74E-01	7.89E-01	2.66E+00	U
WS	01	273396001	2/23/2011	Nb-95	-2.45E-01	8.02E-01	2.65E+00	U
WS	01	273396001	2/23/2011	Pb-212	1.82E+00	2.37E+00	5.01E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
WS	01	273396001	2/23/2011	Pb-214	-1.16E+00	2.34E+00	5.37E+00	U
WS	01	273396001	2/23/2011	Ru-103	-1.98E+00	9.92E-01	2.66E+00	U
WS	01	273396001	2/23/2011	Ru-106	-8.96E+00	7.49E+00	2.21E+01	U
WS	01	273396001	2/23/2011	Sb-124	-1.74E+00	2.16E+00	6.58E+00	U
WS	01	273396001	2/23/2011	Sb-125	1.73E+00	1.88E+00	6.24E+00	U
WS	01	273396001	2/23/2011	Se-75	1.79E-01	9.07E-01	2.90E+00	U
WS	01	273396001	2/23/2011	Th-228	1.82E+00	2.37E+00	5.01E+00	U
WS	01	273396001	2/23/2011	Zn-65	5.50E-01	1.91E+00	6.25E+00	U
WS	01	273396001	2/23/2011	Zr-95	1.52E+00	1.48E+00	5.00E+00	U
WS	01	274498001	3/22/2011	Ac-228	4.18E-01	3.70E+00	9.04E+00	U
WS	01	274498001	3/22/2011	Ag-108m	-4.69E-01	5.32E-01	1.69E+00	U
WS	01	274498001	3/22/2011	Ag-110m	-8.27E+00	2.06E+00	1.71E+00	U
WS	01	274498001	3/22/2011	Ba-140	-5.52E-01	9.76E-01	3.06E+00	U
WS	01	274498001	3/22/2011	Be-7	-1.07E+00	5.03E+00	1.64E+01	U
WS	01	274498001	3/22/2011	Bi-214	-2.20E+00	2.39E+00	4.99E+00	U
WS	01	274498001	3/22/2011	Ce-141	4.80E-01	9.65E-01	2.90E+00	U
WS	01	274498001	3/22/2011	Ce-144	3.13E+00	3.43E+00	1.14E+01	U
WS	01	274498001	3/22/2011	Co-57	-3.89E-01	4.30E-01	1.40E+00	U
WS	01	274498001	3/22/2011	Co-58	-1.06E+00	6.51E-01	1.88E+00	U
WS	01	274498001	3/22/2011	Co-60	7.00E-01	7.09E-01	2.38E+00	U
WS	01	274498001	3/22/2011	Cr-51	2.73E+00	5.11E+00	1.74E+01	U
WS	01	274498001	3/22/2011	Cs-134	1.63E-01	7.70E-01	2.57E+00	U
WS	01	274498001	3/22/2011	Cs-137	-2.74E+00	1.53E+00	3.42E+00	U
WS	01	274498001	3/22/2011	Fe-59	-2.57E-01	1.42E+00	4.54E+00	U
WS	01	274498001	3/22/2011	I-131	1.81E+00	1.05E+00	3.33E+00	U
WS	01	274498001	3/22/2011	K-40	3.19E+02	2.36E+01	1.79E+01	
WS	01	274498001	3/22/2011	La-140	-5.52E-01	9.76E-01	3.06E+00	U
WS	01	274498001	3/22/2011	Mn-54	4.02E-01	5.84E-01	1.95E+00	U
WS	01	274498001	3/22/2011	Nb-95	4.22E-01	6.41E-01	2.15E+00	U
WS	01	274498001	3/22/2011	Pb-212	4.97E-01	2.01E+00	3.70E+00	U
WS	01	274498001	3/22/2011	Pb-214	-5.69E-01	1.89E+00	4.54E+00	U
WS	01	274498001	3/22/2011	Ru-103	-3.83E-01	6.27E-01	2.00E+00	U
WS	01	274498001	3/22/2011	Ru-106	1.08E+00	5.63E+00	1.82E+01	U
WS	01	274498001	3/22/2011	Sb-124	-9.24E-01	1.61E+00	5.00E+00	U
WS	01	274498001	3/22/2011	Sb-125	1.05E+00	1.63E+00	5.42E+00	U
WS	01	274498001	3/22/2011	Se-75	-7.01E-02	7.50E-01	2.40E+00	U
WS	01	274498001	3/22/2011	Th-228	4.97E-01	2.01E+00	3.70E+00	U
WS	01	274498001	3/22/2011	Zn-65	6.23E-01	1.33E+00	4.35E+00	U
WS	01	274498001	3/22/2011	Zr-95	3.47E-01	1.13E+00	3.80E+00	U
WS	01	278395001	3/22/2011	H-3	-1.01E+02	1.44E+02	4.91E+02	U
WS	01	277210001	4/19/2011	Ac-228	3.12E+00	2.41E+00	7.73E+00	U
WS	01	277210001	4/19/2011	Ag-108m	-4.63E-01	5.10E-01	1.64E+00	U
WS	01	277210001	4/19/2011	Ag-110m	-1.09E+00	6.18E-01	1.75E+00	U
WS	01	277210001	4/19/2011	Ba-140	-1.11E+00	1.81E+00	5.70E+00	U
WS	01	277210001	4/19/2011	Be-7	-5.59E+00	5.63E+00	1.79E+01	U
WS	01	277210001	4/19/2011	Bi-214	8.23E+00	2.65E+00	4.50E+00	UI
WS	01	277210001	4/19/2011	Ce-141	8.03E-01	1.30E+00	3.99E+00	U
WS	01	277210001	4/19/2011	Ce-144	1.53E+00	3.68E+00	1.22E+01	U
WS	01	277210001	4/19/2011	Co-57	1.20E+00	5.66E-01	1.69E+00	U
WS	01	277210001	4/19/2011	Co-58	-6.98E-01	6.76E-01	2.06E+00	U
WS	01	277210001	4/19/2011	Co-60	-3.57E-02	6.27E-01	2.07E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
WS	01	277210001	4/19/2011	Cr-51	-4.52E-01	7.00E+00	2.25E+01	U
WS	01	277210001	4/19/2011	Cs-134	8.36E-01	7.13E-01	2.32E+00	U
WS	01	277210001	4/19/2011	Cs-137	1.78E+00	7.21E-01	2.10E+00	U
WS	01	277210001	4/19/2011	Fe-59	3.82E-01	1.40E+00	4.73E+00	U
WS	01	277210001	4/19/2011	I-131	3.16E+00	2.59E+00	8.18E+00	U
WS	01	277210001	4/19/2011	K-40	3.60E+02	2.30E+01	1.95E+01	
WS	01	277210001	4/19/2011	La-140	-1.11E+00	1.81E+00	5.70E+00	U
WS	01	277210001	4/19/2011	Mn-54	8.68E-01	5.92E-01	1.90E+00	U
WS	01	277210001	4/19/2011	Nb-95	1.03E+00	6.72E-01	2.15E+00	U
WS	01	277210001	4/19/2011	Pb-212	-1.80E+00	1.58E+00	3.57E+00	U
WS	01	277210001	4/19/2011	Pb-214	3.48E+00	1.53E+00	4.37E+00	U
WS	01	277210001	4/19/2011	Ru-103	-7.11E-01	7.45E-01	2.37E+00	U
WS	01	277210001	4/19/2011	Ru-106	3.78E+00	5.36E+00	1.78E+01	U
WS	01	277210001	4/19/2011	Sb-124	2.08E+00	1.72E+00	5.68E+00	U
WS	01	277210001	4/19/2011	Sb-125	-1.41E+00	1.58E+00	5.09E+00	U
WS	01	277210001	4/19/2011	Se-75	9.58E-01	8.26E-01	2.64E+00	U
WS	01	277210001	4/19/2011	Th-228	-1.80E+00	1.58E+00	3.57E+00	U
WS	01	277210001	4/19/2011	Zn-65	-9.74E-01	1.35E+00	4.33E+00	U
WS	01	277210001	4/19/2011	Zr-95	2.58E+00	1.29E+00	3.96E+00	U
WS	01	279560001	5/25/2011	Ac-228	-1.44E+00	3.15E+00	8.04E+00	U
WS	01	279560001	5/25/2011	Ag-108m	3.06E-01	4.75E-01	1.60E+00	U
WS	01	279560001	5/25/2011	Ag-110m	-8.28E-01	5.82E-01	1.69E+00	U
WS	01	279560001	5/25/2011	Ba-140	-1.12E+00	1.98E+00	6.37E+00	U
WS	01	279560001	5/25/2011	Be-7	-1.09E+00	5.15E+00	1.70E+01	U
WS	01	279560001	5/25/2011	Bi-214	2.53E+00	2.07E+00	4.45E+00	U
WS	01	279560001	5/25/2011	Ce-141	-9.70E-01	1.27E+00	4.14E+00	U
WS	01	279560001	5/25/2011	Ce-144	4.81E-01	3.49E+00	1.18E+01	U
WS	01	279560001	5/25/2011	Co-57	-2.78E-01	4.63E-01	1.54E+00	U
WS	01	279560001	5/25/2011	Co-58	-1.03E+00	6.52E-01	1.92E+00	U
WS	01	279560001	5/25/2011	Co-60	8.49E-01	6.34E-01	2.09E+00	U
WS	01	279560001	5/25/2011	Cr-51	2.76E+00	6.96E+00	2.23E+01	U
WS	01	279560001	5/25/2011	Cs-134	-1.08E+00	7.81E-01	2.23E+00	U
WS	01	279560001	5/25/2011	Cs-137	-2.93E-01	5.68E-01	1.80E+00	U
WS	01	279560001	5/25/2011	Fe-59	-1.02E+00	1.49E+00	4.71E+00	U
WS	01	279560001	5/25/2011	I-131	2.10E+00	2.95E+00	1.01E+01	U
WS	01	279560001	5/25/2011	K-40	3.06E+02	2.27E+01	1.86E+01	
WS	01	279560001	5/25/2011	La-140	-1.12E+00	1.98E+00	6.37E+00	U
WS	01	279560001	5/25/2011	Mn-54	5.17E-02	5.67E-01	1.92E+00	U
WS	01	279560001	5/25/2011	Nb-95	8.43E-01	6.63E-01	2.14E+00	U
WS	01	279560001	5/25/2011	Pb-212	1.64E+00	1.91E+00	3.93E+00	U
WS	01	279560001	5/25/2011	Pb-214	9.91E-01	1.87E+00	4.29E+00	U
WS	01	279560001	5/25/2011	Ru-103	-1.07E+00	7.70E-01	2.31E+00	U
WS	01	279560001	5/25/2011	Ru-106	8.22E+00	5.39E+00	1.73E+01	U
WS	01	279560001	5/25/2011	Sb-124	3.20E+00	1.76E+00	5.82E+00	U
WS	01	279560001	5/25/2011	Sb-125	-2.26E+00	1.53E+00	4.60E+00	U
WS	01	279560001	5/25/2011	Se-75	6.44E-02	7.44E-01	2.41E+00	U
WS	01	279560001	5/25/2011	Th-228	1.64E+00	1.91E+00	3.93E+00	U
WS	01	279560001	5/25/2011	Zn-65	-1.33E-01	1.36E+00	4.44E+00	U
WS	01	279560001	5/25/2011	Zr-95	-1.07E+00	1.28E+00	3.90E+00	U
WS	01	281629001	6/20/2011	Ac-228	-2.26E+00	3.68E+00	8.87E+00	U
WS	01	281629001	6/20/2011	Ag-108m	-5.92E-01	5.83E-01	1.80E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS	
WS	01	281629001	6/20/2011	Ag-110m	-3.47E-02	6.18E-01	2.07E+00	U	
WS	01	281629001	6/20/2011	Ba-140	-2.29E+00	2.82E+00	8.73E+00	U	
WS	01	281629001	6/20/2011	Be-7	4.40E+00	6.83E+00	2.24E+01	U	
WS	01	281629001	6/20/2011	Bi-214	3.08E-01	2.47E+00	4.97E+00	U	
WS	01	281629001	6/20/2011	Ce-141	8.91E-01	2.59E+00	5.02E+00	U	
WS	01	281629001	6/20/2011	Ce-144	3.46E+00	4.33E+00	1.39E+01	U	
WS	01	281629001	6/20/2011	Co-57	-1.17E-01	5.74E-01	1.86E+00	U	
WS	01	281629001	6/20/2011	Co-58	1.95E-01	9.87E-01	2.54E+00	U	
WS	01	281629001	6/20/2011	Co-60	-9.92E-01	1.06E+00	2.15E+00	U	
WS	01	281629001	6/20/2011	Cr-51	-9.97E+00	9.29E+00	2.92E+01	U	
WS	01	281629001	6/20/2011	Cs-134	6.72E-02	7.97E-01	2.41E+00	U	
WS	01	281629001	6/20/2011	Cs-137	8.97E-01	6.65E-01	2.21E+00	U	
WS	01	281629001	6/20/2011	Fe-59	-1.96E-01	1.66E+00	5.34E+00	U	
WS	01	281629001	6/20/2011	I-131	-5.74E+00	5.21E+00	1.62E+01	U	DL
WS	01	281629001	6/20/2011	K-40	3.15E+02	2.54E+01	1.97E+01		
WS	01	281629001	6/20/2011	La-140	-2.29E+00	2.82E+00	8.73E+00	U	
WS	01	281629001	6/20/2011	Mn-54	-6.48E-01	6.66E-01	2.07E+00	U	
WS	01	281629001	6/20/2011	Nb-95	-6.15E-01	1.20E+00	2.57E+00	U	
WS	01	281629001	6/20/2011	Pb-212	2.54E+00	2.43E+00	4.56E+00	U	
WS	01	281629001	6/20/2011	Pb-214	-4.97E+00	2.46E+00	4.77E+00	U	
WS	01	281629001	6/20/2011	Ru-103	-3.25E-01	9.29E-01	2.97E+00	U	
WS	01	281629001	6/20/2011	Ru-106	5.76E+00	5.43E+00	1.83E+01	U	
WS	01	281629001	6/20/2011	Sb-124	-8.88E-01	1.73E+00	5.45E+00	U	
WS	01	281629001	6/20/2011	Sb-125	-1.62E+00	1.81E+00	5.65E+00	U	
WS	01	281629001	6/20/2011	Se-75	1.85E-01	9.09E-01	3.07E+00	U	
WS	01	281629001	6/20/2011	Th-228	2.54E+00	2.43E+00	4.56E+00	U	
WS	01	281629001	6/20/2011	Zn-65	-1.16E+00	1.52E+00	4.68E+00	U	
WS	01	281629001	6/20/2011	Zr-95	-1.47E+00	1.32E+00	4.07E+00	U	
WS	01	284691001	6/20/2011	H-3	-7.36E+01	1.24E+02	4.18E+02	U	
WS	01	282639001	7/18/2011	Ac-228	-6.59E+00	4.09E+00	8.19E+00	U	
WS	01	282639001	7/18/2011	Ag-108m	4.50E-01	5.16E-01	1.71E+00	U	
WS	01	282639001	7/18/2011	Ag-110m	-1.24E+00	6.19E-01	1.67E+00	U	
WS	01	282639001	7/18/2011	Ba-140	-2.45E-01	1.09E+00	3.48E+00	U	
WS	01	282639001	7/18/2011	Be-7	-2.82E+00	5.29E+00	1.72E+01	U	
WS	01	282639001	7/18/2011	Bi-214	-2.17E+00	2.03E+00	4.56E+00	U	
WS	01	282639001	7/18/2011	Ce-141	-2.69E-01	1.81E+00	4.08E+00	U	
WS	01	282639001	7/18/2011	Ce-144	5.20E+00	4.71E+00	1.47E+01	U	
WS	01	282639001	7/18/2011	Co-57	-6.26E-01	6.07E-01	1.92E+00	U	
WS	01	282639001	7/18/2011	Co-58	-1.09E-01	6.10E-01	1.96E+00	U	
WS	01	282639001	7/18/2011	Co-60	4.29E-01	6.24E-01	2.07E+00	U	
WS	01	282639001	7/18/2011	Cr-51	7.26E+00	6.35E+00	2.10E+01	U	
WS	01	282639001	7/18/2011	Cs-134	-1.29E+00	1.06E+00	2.20E+00	U	
WS	01	282639001	7/18/2011	Cs-137	5.75E-01	5.94E-01	1.94E+00	U	
WS	01	282639001	7/18/2011	Fe-59	-1.36E+00	1.31E+00	4.07E+00	U	
WS	01	282639001	7/18/2011	I-131	-6.39E-01	1.44E+00	4.76E+00	U	
WS	01	282639001	7/18/2011	K-40	3.27E+02	2.30E+01	1.80E+01		
WS	01	282639001	7/18/2011	La-140	-2.45E-01	1.09E+00	3.48E+00	U	
WS	01	282639001	7/18/2011	Mn-54	-1.04E+00	6.34E-01	1.78E+00	U	
WS	01	282639001	7/18/2011	Nb-95	6.76E-01	6.20E-01	2.00E+00	U	
WS	01	282639001	7/18/2011	Pb-212	-1.40E+00	1.96E+00	4.51E+00	U	
WS	01	282639001	7/18/2011	Pb-214	1.42E+00	2.54E+00	4.85E+00	U	

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
WS	01	282639001	7/18/2011	Ru-103	-1.84E+00	7.74E-01	1.97E+00	U
WS	01	282639001	7/18/2011	Ru-106	6.18E+00	5.45E+00	1.77E+01	U
WS	01	282639001	7/18/2011	Sb-124	6.75E-01	1.23E+00	4.07E+00	U
WS	01	282639001	7/18/2011	Sb-125	-1.04E+00	1.60E+00	5.21E+00	U
WS	01	282639001	7/18/2011	Se-75	-1.43E+00	9.29E-01	2.71E+00	U
WS	01	282639001	7/18/2011	Th-228	-1.40E+00	1.96E+00	4.51E+00	U
WS	01	282639001	7/18/2011	Zn-65	-3.21E+00	1.48E+00	3.90E+00	U
WS	01	282639001	7/18/2011	Zr-95	3.85E-01	1.09E+00	3.56E+00	U
WS	01	284909001	8/24/2011	Ac-228	-9.48E-01	3.77E+00	9.79E+00	U
WS	01	284909001	8/24/2011	Ag-108m	8.37E-02	5.71E-01	1.89E+00	U
WS	01	284909001	8/24/2011	Ag-110m	-6.75E-01	7.02E-01	2.16E+00	U
WS	01	284909001	8/24/2011	Ba-140	-9.79E-02	1.31E+00	4.23E+00	U
WS	01	284909001	8/24/2011	Be-7	5.41E+00	6.31E+00	2.08E+01	U
WS	01	284909001	8/24/2011	Bi-214	1.55E+00	1.89E+00	5.00E+00	U
WS	01	284909001	8/24/2011	Ce-141	4.58E+00	1.75E+00	4.36E+00	UI
WS	01	284909001	8/24/2011	Ce-144	-2.17E+00	4.67E+00	1.44E+01	U
WS	01	284909001	8/24/2011	Co-57	-2.22E-01	5.97E-01	1.92E+00	U
WS	01	284909001	8/24/2011	Co-58	4.20E-01	6.64E-01	2.25E+00	U
WS	01	284909001	8/24/2011	Co-60	-1.01E-01	7.37E-01	2.40E+00	U
WS	01	284909001	8/24/2011	Cr-51	9.45E+00	7.15E+00	2.33E+01	U
WS	01	284909001	8/24/2011	Cs-134	-4.44E-01	8.00E-01	2.62E+00	U
WS	01	284909001	8/24/2011	Cs-137	3.58E-01	7.24E-01	2.37E+00	U
WS	01	284909001	8/24/2011	Fe-59	1.38E+00	1.66E+00	5.55E+00	U
WS	01	284909001	8/24/2011	I-131	1.76E+00	1.75E+00	5.77E+00	U
WS	01	284909001	8/24/2011	K-40	3.44E+02	2.67E+01	2.33E+01	
WS	01	284909001	8/24/2011	La-140	-9.79E-02	1.31E+00	4.23E+00	U
WS	01	284909001	8/24/2011	Mn-54	-1.11E+00	7.10E-01	2.11E+00	U
WS	01	284909001	8/24/2011	Nb-95	6.95E-01	7.15E-01	2.32E+00	U
WS	01	284909001	8/24/2011	Pb-212	-2.80E+00	2.05E+00	4.54E+00	U
WS	01	284909001	8/24/2011	Pb-214	8.89E-01	2.18E+00	5.30E+00	U
WS	01	284909001	8/24/2011	Ru-103	-3.17E-01	7.65E-01	2.47E+00	U
WS	01	284909001	8/24/2011	Ru-106	-9.66E+00	6.62E+00	1.93E+01	U
WS	01	284909001	8/24/2011	Sb-124	8.10E-01	1.88E+00	6.20E+00	U
WS	01	284909001	8/24/2011	Sb-125	-8.25E-01	1.79E+00	5.82E+00	U
WS	01	284909001	8/24/2011	Se-75	9.23E-01	9.22E-01	3.06E+00	U
WS	01	284909001	8/24/2011	Th-228	-2.80E+00	2.05E+00	4.54E+00	U
WS	01	284909001	8/24/2011	Zn-65	-4.03E-01	1.48E+00	4.83E+00	U
WS	01	284909001	8/24/2011	Zr-95	1.01E+00	1.25E+00	4.08E+00	U
WS	01	285891001	9/12/2011	Ac-228	9.78E-01	3.17E+00	8.58E+00	U
WS	01	285891001	9/12/2011	Ag-108m	2.31E-02	5.20E-01	1.68E+00	U
WS	01	285891001	9/12/2011	Ag-110m	-8.86E-01	6.11E-01	1.83E+00	U
WS	01	285891001	9/12/2011	Ba-140	7.54E-01	1.12E+00	3.84E+00	U
WS	01	285891001	9/12/2011	Be-7	-3.37E+00	5.42E+00	1.69E+01	U
WS	01	285891001	9/12/2011	Bi-214	3.12E+00	2.12E+00	4.85E+00	U
WS	01	285891001	9/12/2011	Ce-141	1.77E-01	1.13E+00	3.69E+00	U
WS	01	285891001	9/12/2011	Ce-144	2.95E+00	3.84E+00	1.29E+01	U
WS	01	285891001	9/12/2011	Co-57	7.16E-01	5.41E-01	1.78E+00	U
WS	01	285891001	9/12/2011	Co-58	6.58E-01	6.34E-01	2.12E+00	U
WS	01	285891001	9/12/2011	Co-60	-1.42E-02	5.92E-01	1.90E+00	U
WS	01	285891001	9/12/2011	Cr-51	-3.34E+00	6.25E+00	2.01E+01	U
WS	01	285891001	9/12/2011	Cs-134	1.06E+00	7.32E-01	2.42E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
WS	01	285891001	9/12/2011	Cs-137	5.67E-01	7.33E-01	2.15E+00	U
WS	01	285891001	9/12/2011	Fe-59	4.70E-01	1.27E+00	4.21E+00	U
WS	01	285891001	9/12/2011	I-131	2.08E-01	1.42E+00	4.64E+00	U
WS	01	285891001	9/12/2011	K-40	3.02E+02	2.26E+01	2.01E+01	
WS	01	285891001	9/12/2011	La-140	7.54E-01	1.12E+00	3.84E+00	U
WS	01	285891001	9/12/2011	Mn-54	2.98E-01	6.12E-01	2.05E+00	U
WS	01	285891001	9/12/2011	Nb-95	-1.06E-01	7.92E-01	1.98E+00	U
WS	01	285891001	9/12/2011	Pb-212	4.14E-01	2.00E+00	4.11E+00	U
WS	01	285891001	9/12/2011	Pb-214	-1.39E+00	1.89E+00	4.85E+00	U
WS	01	285891001	9/12/2011	Ru-103	-6.33E-01	6.93E-01	2.10E+00	U
WS	01	285891001	9/12/2011	Ru-106	-4.29E+00	5.05E+00	1.61E+01	U
WS	01	285891001	9/12/2011	Sb-124	-6.18E-01	1.41E+00	4.54E+00	U
WS	01	285891001	9/12/2011	Sb-125	1.43E+00	1.69E+00	5.50E+00	U
WS	01	285891001	9/12/2011	Se-75	-9.66E-01	8.78E-01	2.73E+00	U
WS	01	285891001	9/12/2011	Th-228	4.14E-01	2.00E+00	4.11E+00	U
WS	01	285891001	9/12/2011	Zn-65	-8.30E-02	1.23E+00	3.99E+00	U
WS	01	285891001	9/12/2011	Zr-95	1.31E+00	1.09E+00	3.66E+00	U
WS	01	286617001	9/21/2011	Ac-228	-1.14E+00	3.36E+00	9.09E+00	U
WS	01	286617001	9/21/2011	Ag-108m	-3.18E-01	5.43E-01	1.75E+00	U
WS	01	286617001	9/21/2011	Ag-110m	-2.34E-01	6.05E-01	1.91E+00	U
WS	01	286617001	9/21/2011	Ba-140	1.49E-01	1.16E+00	3.91E+00	U
WS	01	286617001	9/21/2011	Be-7	2.59E+00	5.33E+00	1.76E+01	U
WS	01	286617001	9/21/2011	Bi-214	1.07E+01	2.46E+00	4.04E+00	X(1)
WS	01	286617001	9/21/2011	Ce-141	-9.35E-01	1.18E+00	3.69E+00	U
WS	01	286617001	9/21/2011	Ce-144	7.86E+00	4.47E+00	1.36E+01	U
WS	01	286617001	9/21/2011	Co-57	3.63E-02	5.60E-01	1.83E+00	U
WS	01	286617001	9/21/2011	Co-58	1.08E-01	5.67E-01	1.91E+00	U
WS	01	286617001	9/21/2011	Co-60	5.67E-01	6.65E-01	2.21E+00	U
WS	01	286617001	9/21/2011	Cr-51	-7.98E-01	6.18E+00	2.07E+01	U
WS	01	286617001	9/21/2011	Cs-134	-9.42E-02	7.69E-01	2.57E+00	U
WS	01	286617001	9/21/2011	Cs-137	-1.17E+00	7.15E-01	1.98E+00	U
WS	01	286617001	9/21/2011	Fe-59	-1.54E-01	1.25E+00	4.08E+00	U
WS	01	286617001	9/21/2011	I-131	9.97E-01	1.31E+00	4.38E+00	U
WS	01	286617001	9/21/2011	K-40	2.62E+02	2.37E+01	2.01E+01	
WS	01	286617001	9/21/2011	La-140	1.49E-01	1.16E+00	3.91E+00	U
WS	01	286617001	9/21/2011	Mn-54	-2.96E-01	5.88E-01	1.92E+00	U
WS	01	286617001	9/21/2011	Nb-95	3.42E-01	6.60E-01	2.24E+00	U
WS	01	286617001	9/21/2011	Pb-212	3.86E+00	1.88E+00	3.77E+00	UI
WS	01	286617001	9/21/2011	Pb-214	4.91E+00	2.46E+00	4.31E+00	UI
WS	01	286617001	9/21/2011	Ru-103	-2.08E+00	8.35E-01	1.97E+00	U
WS	01	286617001	9/21/2011	Ru-106	7.35E-02	5.25E+00	1.70E+01	U
WS	01	286617001	9/21/2011	Sb-124	1.73E+00	1.48E+00	5.08E+00	U
WS	01	286617001	9/21/2011	Sb-125	-1.42E+00	1.66E+00	5.24E+00	U
WS	01	286617001	9/21/2011	Se-75	-1.09E-01	7.98E-01	2.69E+00	U
WS	01	286617001	9/21/2011	Th-228	3.86E+00	1.88E+00	3.77E+00	UI
WS	01	286617001	9/21/2011	Zn-65	4.60E-01	1.40E+00	4.04E+00	U
WS	01	286617001	9/21/2011	Zr-95	-1.02E+00	1.10E+00	3.48E+00	U
WS	01	290821001	9/21/2011	H-3	1.13E+02	1.77E+02	5.65E+02	U
WS	01	289163001	10/25/2011	Ac-228	1.55E+00	5.29E+00	1.15E+01	U
WS	01	289163001	10/25/2011	Ag-108m	-1.68E-01	6.94E-01	2.20E+00	U
WS	01	289163001	10/25/2011	Ag-110m	-3.50E-01	6.93E-01	2.23E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
WS	01	289163001	10/25/2011	Ba-140	2.00E+00	1.55E+00	5.17E+00	U
WS	01	289163001	10/25/2011	Be-7	1.17E+00	6.59E+00	2.23E+01	U
WS	01	289163001	10/25/2011	Bi-214	-1.38E+00	2.47E+00	5.73E+00	U
WS	01	289163001	10/25/2011	Ce-141	2.54E+00	1.70E+00	4.91E+00	U
WS	01	289163001	10/25/2011	Ce-144	4.87E+00	5.31E+00	1.72E+01	U
WS	01	289163001	10/25/2011	Co-57	-7.17E-01	6.91E-01	2.24E+00	U
WS	01	289163001	10/25/2011	Co-58	-4.09E+00	1.66E+00	2.04E+00	U
WS	01	289163001	10/25/2011	Co-60	2.71E-02	7.78E-01	2.57E+00	U
WS	01	289163001	10/25/2011	Cr-51	-6.32E+00	7.94E+00	2.49E+01	U
WS	01	289163001	10/25/2011	Cs-134	2.19E-01	8.95E-01	2.94E+00	U
WS	01	289163001	10/25/2011	Cs-137	7.81E-01	7.45E-01	2.48E+00	U
WS	01	289163001	10/25/2011	Fe-59	3.47E-01	1.64E+00	5.51E+00	U
WS	01	289163001	10/25/2011	I-131	-7.62E-01	1.80E+00	5.74E+00	U
WS	01	289163001	10/25/2011	K-40	3.29E+02	2.59E+01	2.17E+01	
WS	01	289163001	10/25/2011	La-140	2.00E+00	1.55E+00	5.17E+00	U
WS	01	289163001	10/25/2011	Mn-54	-5.81E-01	7.09E-01	2.18E+00	U
WS	01	289163001	10/25/2011	Nb-95	1.81E-01	7.81E-01	2.57E+00	U
WS	01	289163001	10/25/2011	Pb-212	2.31E+00	2.60E+00	5.63E+00	U
WS	01	289163001	10/25/2011	Pb-214	-4.90E+00	2.74E+00	5.90E+00	U
WS	01	289163001	10/25/2011	Ru-103	-2.07E+00	9.92E-01	2.69E+00	U
WS	01	289163001	10/25/2011	Ru-106	5.15E+00	6.80E+00	2.27E+01	U
WS	01	289163001	10/25/2011	Sb-124	-3.62E-01	1.84E+00	5.87E+00	U
WS	01	289163001	10/25/2011	Sb-125	3.08E+00	2.12E+00	6.69E+00	U
WS	01	289163001	10/25/2011	Se-75	1.86E+00	1.12E+00	3.52E+00	U
WS	01	289163001	10/25/2011	Th-228	2.31E+00	2.60E+00	5.63E+00	U
WS	01	289163001	10/25/2011	Zn-65	1.81E+00	1.79E+00	6.01E+00	U
WS	01	289163001	10/25/2011	Zr-95	-8.56E-01	1.43E+00	4.54E+00	U
WS	01	290710001	11/17/2011	Ac-228	1.18E+00	3.95E+00	6.38E+00	U
WS	01	290710001	11/17/2011	Ag-108m	1.68E-01	5.13E-01	1.66E+00	U
WS	01	290710001	11/17/2011	Ag-110m	-1.09E+00	5.81E-01	1.64E+00	U
WS	01	290710001	11/17/2011	Ba-140	1.72E-01	1.36E+00	3.64E+00	U
WS	01	290710001	11/17/2011	Be-7	-3.71E+00	5.00E+00	1.55E+01	U
WS	01	290710001	11/17/2011	Bi-214	2.87E+00	2.79E+00	4.63E+00	U
WS	01	290710001	11/17/2011	Ce-141	1.73E+00	1.25E+00	3.45E+00	U
WS	01	290710001	11/17/2011	Ce-144	2.12E+00	3.84E+00	1.23E+01	U
WS	01	290710001	11/17/2011	Co-57	-8.88E-01	5.52E-01	1.62E+00	U
WS	01	290710001	11/17/2011	Co-58	1.76E-01	5.51E-01	1.81E+00	U
WS	01	290710001	11/17/2011	Co-60	-5.31E-01	6.07E-01	1.88E+00	U
WS	01	290710001	11/17/2011	Cr-51	1.29E+01	6.34E+00	1.90E+01	U
WS	01	290710001	11/17/2011	Cs-134	-5.80E-01	9.51E-01	2.19E+00	U
WS	01	290710001	11/17/2011	Cs-137	1.25E+00	6.53E-01	2.03E+00	U
WS	01	290710001	11/17/2011	Fe-59	4.32E-01	1.15E+00	3.86E+00	U
WS	01	290710001	11/17/2011	I-131	1.64E+00	1.20E+00	3.82E+00	U
WS	01	290710001	11/17/2011	K-40	3.24E+02	2.30E+01	1.79E+01	
WS	01	290710001	11/17/2011	La-140	1.72E-01	1.36E+00	3.64E+00	U
WS	01	290710001	11/17/2011	Mn-54	-3.19E-01	5.27E-01	1.66E+00	U
WS	01	290710001	11/17/2011	Nb-95	-2.95E-01	5.47E-01	1.75E+00	U
WS	01	290710001	11/17/2011	Pb-212	8.32E-01	1.98E+00	3.47E+00	U
WS	01	290710001	11/17/2011	Pb-214	2.97E-01	2.30E+00	4.64E+00	U
WS	01	290710001	11/17/2011	Ru-103	-4.86E-01	6.86E-01	1.95E+00	U
WS	01	290710001	11/17/2011	Ru-106	6.73E+00	5.14E+00	1.68E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
WS	01	290710001	11/17/2011	Sb-124	2.68E+00	1.53E+00	4.99E+00	U
WS	01	290710001	11/17/2011	Sb-125	1.29E+00	1.57E+00	5.05E+00	U
WS	01	290710001	11/17/2011	Se-75	1.16E-01	7.68E-01	2.56E+00	U
WS	01	290710001	11/17/2011	Th-228	8.32E-01	1.98E+00	3.47E+00	U
WS	01	290710001	11/17/2011	Zn-65	-3.04E+00	1.46E+00	3.94E+00	U
WS	01	290710001	11/17/2011	Zr-95	2.65E-01	9.83E-01	3.24E+00	U
WS	01	292310001	12/13/2011	Ac-228	-5.40E+00	4.14E+00	9.54E+00	U
WS	01	292310001	12/13/2011	Ag-108m	4.04E-01	5.64E-01	1.82E+00	U
WS	01	292310001	12/13/2011	Ag-110m	-1.83E-01	5.94E-01	1.93E+00	U
WS	01	292310001	12/13/2011	Ba-140	-1.69E+00	1.32E+00	3.91E+00	U
WS	01	292310001	12/13/2011	Be-7	4.97E+00	5.65E+00	1.90E+01	U
WS	01	292310001	12/13/2011	Bi-214	-1.08E+00	2.19E+00	4.89E+00	U
WS	01	292310001	12/13/2011	Ce-141	3.11E+00	2.17E+00	3.81E+00	U
WS	01	292310001	12/13/2011	Ce-144	1.60E+00	4.59E+00	1.47E+01	U
WS	01	292310001	12/13/2011	Co-57	-1.17E+00	6.63E-01	1.87E+00	U
WS	01	292310001	12/13/2011	Co-58	-3.14E-02	6.50E-01	2.10E+00	U
WS	01	292310001	12/13/2011	Co-60	1.18E+00	7.41E-01	2.41E+00	U
WS	01	292310001	12/13/2011	Cr-51	-8.94E+00	7.07E+00	2.14E+01	U
WS	01	292310001	12/13/2011	Cs-134	4.22E-02	7.92E-01	2.57E+00	U
WS	01	292310001	12/13/2011	Cs-137	1.14E+00	7.03E-01	2.25E+00	U
WS	01	292310001	12/13/2011	Fe-59	-1.54E+00	1.43E+00	4.40E+00	U
WS	01	292310001	12/13/2011	I-131	2.23E+00	1.64E+00	5.21E+00	U
WS	01	292310001	12/13/2011	K-40	3.33E+02	2.63E+01	1.70E+01	
WS	01	292310001	12/13/2011	La-140	-1.69E+00	1.32E+00	3.91E+00	U
WS	01	292310001	12/13/2011	Mn-54	-1.08E+00	1.02E+00	2.05E+00	U
WS	01	292310001	12/13/2011	Nb-95	2.39E-01	6.94E-01	2.27E+00	U
WS	01	292310001	12/13/2011	Pb-212	2.30E-01	2.71E+00	4.00E+00	U
WS	01	292310001	12/13/2011	Pb-214	-1.07E+00	2.25E+00	5.29E+00	U
WS	01	292310001	12/13/2011	Ru-103	-1.26E+00	7.60E-01	2.23E+00	U
WS	01	292310001	12/13/2011	Ru-106	-5.19E+00	5.65E+00	1.77E+01	U
WS	01	292310001	12/13/2011	Sb-124	-1.25E+00	1.72E+00	5.40E+00	U
WS	01	292310001	12/13/2011	Sb-125	-2.16E+00	1.82E+00	5.42E+00	U
WS	01	292310001	12/13/2011	Se-75	-1.05E+00	9.03E-01	2.80E+00	U
WS	01	292310001	12/13/2011	Th-228	2.30E-01	2.71E+00	4.00E+00	U
WS	01	292310001	12/13/2011	Zn-65	-1.76E+00	1.45E+00	4.36E+00	U
WS	01	292310001	12/13/2011	Zr-95	-1.38E-01	1.20E+00	3.88E+00	U
WS	01	295628001	12/13/2011	H-3	2.66E+02	1.47E+02	4.35E+02	U
WS	02	279560004	6/6/2011	Ac-228	5.41E+00	5.30E+00	1.20E+01	U
WS	02	279560004	6/6/2011	Ag-108m	-1.02E-01	6.21E-01	2.05E+00	U
WS	02	279560004	6/6/2011	Ag-110m	-1.27E+00	7.61E-01	2.07E+00	U
WS	02	279560004	6/6/2011	Ba-140	1.28E+00	1.63E+00	5.48E+00	U
WS	02	279560004	6/6/2011	Be-7	7.08E+00	6.34E+00	2.09E+01	U
WS	02	279560004	6/6/2011	Bi-214	3.10E+00	2.99E+00	4.87E+00	U
WS	02	279560004	6/6/2011	Ce-141	-1.71E+00	1.12E+00	3.36E+00	U
WS	02	279560004	6/6/2011	Ce-144	4.38E+00	3.87E+00	1.26E+01	U
WS	02	279560004	6/6/2011	Co-57	-4.09E-02	4.65E-01	1.55E+00	U
WS	02	279560004	6/6/2011	Co-58	-2.42E-01	1.08E+00	2.76E+00	U
WS	02	279560004	6/6/2011	Co-60	8.45E-01	8.97E-01	3.06E+00	U
WS	02	279560004	6/6/2011	Cr-51	2.37E+00	6.29E+00	2.14E+01	U
WS	02	279560004	6/6/2011	Cs-134	-1.37E+00	1.27E+00	3.07E+00	U
WS	02	279560004	6/6/2011	Cs-137	-9.01E-01	1.34E+00	2.81E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
WS	02	279560004	6/6/2011	Fe-59	3.07E+00	2.08E+00	6.74E+00	U
WS	02	279560004	6/6/2011	H-3	4.92E+01	1.20E+02	3.89E+02	U
WS	02	279560004	6/6/2011	I-131	4.76E-01	1.34E+00	4.53E+00	U
WS	02	279560004	6/6/2011	K-40	1.59E+02	2.32E+01	2.73E+01	
WS	02	279560004	6/6/2011	La-140	1.28E+00	1.63E+00	5.48E+00	U
WS	02	279560004	6/6/2011	Mn-54	-6.37E-01	7.90E-01	2.50E+00	U
WS	02	279560004	6/6/2011	Nb-95	6.80E-01	8.24E-01	2.79E+00	U
WS	02	279560004	6/6/2011	Pb-212	3.22E+00	2.36E+00	4.06E+00	U
WS	02	279560004	6/6/2011	Pb-214	1.95E+00	2.64E+00	5.68E+00	U
WS	02	279560004	6/6/2011	Ru-103	-1.37E+00	8.72E-01	2.51E+00	U
WS	02	279560004	6/6/2011	Ru-106	3.46E-01	6.93E+00	2.24E+01	U
WS	02	279560004	6/6/2011	Sb-124	9.54E-01	1.90E+00	6.38E+00	U
WS	02	279560004	6/6/2011	Sb-125	-1.60E+00	1.93E+00	6.14E+00	U
WS	02	279560004	6/6/2011	Se-75	-6.36E-01	1.08E+00	3.01E+00	U
WS	02	279560004	6/6/2011	Th-228	3.22E+00	2.36E+00	4.06E+00	U
WS	02	279560004	6/6/2011	Zn-65	-4.29E-01	1.85E+00	5.09E+00	U
WS	02	279560004	6/6/2011	Zr-95	9.21E-01	1.31E+00	4.45E+00	U
WS	02	290710004	11/17/2011	Ac-228	8.96E+00	3.81E+00	5.09E+00	UI
WS	02	290710004	11/17/2011	Ag-108m	-9.59E-02	3.96E-01	1.32E+00	U
WS	02	290710004	11/17/2011	Ag-110m	-5.32E-01	4.55E-01	1.39E+00	U
WS	02	290710004	11/17/2011	Ba-140	-9.92E-01	8.04E-01	2.34E+00	U
WS	02	290710004	11/17/2011	Be-7	3.91E-01	4.07E+00	1.37E+01	U
WS	02	290710004	11/17/2011	Bi-214	1.99E+00	1.81E+00	3.78E+00	U
WS	02	290710004	11/17/2011	Ce-141	-4.28E-01	9.94E-01	2.75E+00	U
WS	02	290710004	11/17/2011	Ce-144	-3.74E-01	3.03E+00	1.01E+01	U
WS	02	290710004	11/17/2011	Co-57	-5.55E-02	4.02E-01	1.35E+00	U
WS	02	290710004	11/17/2011	Co-58	-1.44E-01	4.47E-01	1.43E+00	U
WS	02	290710004	11/17/2011	Co-60	1.96E-01	7.23E-01	1.77E+00	U
WS	02	290710004	11/17/2011	Cr-51	7.84E-01	4.69E+00	1.52E+01	U
WS	02	290710004	11/17/2011	Cs-134	9.04E-01	5.97E-01	1.90E+00	U
WS	02	290710004	11/17/2011	Cs-137	1.06E+00	5.37E-01	1.66E+00	U
WS	02	290710004	11/17/2011	Fe-59	-3.52E-03	9.92E-01	3.31E+00	U
WS	02	290710004	11/17/2011	H-3	-1.14E+02	1.36E+02	4.65E+02	U
WS	02	290710004	11/17/2011	I-131	-1.78E+00	1.55E+00	3.03E+00	U
WS	02	290710004	11/17/2011	K-40	1.53E+02	1.40E+01	1.47E+01	
WS	02	290710004	11/17/2011	La-140	-9.92E-01	8.03E-01	2.34E+00	U
WS	02	290710004	11/17/2011	Mn-54	3.46E-01	4.61E-01	1.50E+00	U
WS	02	290710004	11/17/2011	Nb-95	-7.13E-01	7.67E-01	1.56E+00	U
WS	02	290710004	11/17/2011	Pb-212	2.42E+00	1.55E+00	2.89E+00	U
WS	02	290710004	11/17/2011	Pb-214	2.59E+00	1.91E+00	3.76E+00	U
WS	02	290710004	11/17/2011	Ru-103	3.71E-01	4.95E-01	1.65E+00	U
WS	02	290710004	11/17/2011	Ru-106	-1.19E+01	6.64E+00	1.33E+01	U
WS	02	290710004	11/17/2011	Sb-124	-9.62E-01	1.22E+00	3.75E+00	U
WS	02	290710004	11/17/2011	Sb-125	-2.94E-01	1.21E+00	4.03E+00	U
WS	02	290710004	11/17/2011	Se-75	-9.99E-01	6.74E-01	2.01E+00	U
WS	02	290710004	11/17/2011	Th-228	2.42E+00	1.55E+00	2.89E+00	U
WS	02	290710004	11/17/2011	Zn-65	-2.65E+00	1.15E+00	2.90E+00	U
WS	02	290710004	11/17/2011	Zr-95	3.66E-02	8.25E-01	2.69E+00	U
WS	51	271331002	1/25/2011	Ac-228	5.94E+00	2.97E+00	9.08E+00	U
WS	51	271331002	1/25/2011	Ag-108m	3.90E-01	5.32E-01	1.79E+00	U
WS	51	271331002	1/25/2011	Ag-110m	-5.66E-01	6.30E-01	1.97E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
WS	51	271331002	1/25/2011	Ba-140	-1.49E+00	1.13E+00	3.26E+00	U
WS	51	271331002	1/25/2011	Be-7	-6.02E+00	5.38E+00	1.68E+01	U
WS	51	271331002	1/25/2011	Bi-214	6.01E+00	2.34E+00	4.99E+00	UI
WS	51	271331002	1/25/2011	Ce-141	1.18E-01	1.12E+00	3.60E+00	U
WS	51	271331002	1/25/2011	Ce-144	3.64E+00	4.15E+00	1.37E+01	U
WS	51	271331002	1/25/2011	Co-57	-8.15E-01	5.39E-01	1.63E+00	U
WS	51	271331002	1/25/2011	Co-58	-5.21E-02	6.62E-01	2.15E+00	U
WS	51	271331002	1/25/2011	Co-60	2.93E-01	7.30E-01	2.44E+00	U
WS	51	271331002	1/25/2011	Cr-51	-6.16E+00	6.47E+00	1.99E+01	U
WS	51	271331002	1/25/2011	Cs-134	1.13E+00	7.83E-01	2.53E+00	U
WS	51	271331002	1/25/2011	Cs-137	3.27E-01	6.77E-01	2.25E+00	U
WS	51	271331002	1/25/2011	Fe-59	1.58E+00	1.40E+00	4.72E+00	U
WS	51	271331002	1/25/2011	I-131	-2.36E+00	1.43E+00	4.04E+00	U
WS	51	271331002	1/25/2011	K-40	3.47E+02	2.37E+01	1.96E+01	
WS	51	271331002	1/25/2011	La-140	-1.49E+00	1.13E+00	3.26E+00	U
WS	51	271331002	1/25/2011	Mn-54	-1.42E+00	7.29E-01	1.94E+00	U
WS	51	271331002	1/25/2011	Nb-95	1.17E+00	7.36E-01	2.35E+00	U
WS	51	271331002	1/25/2011	Pb-212	2.40E+00	1.86E+00	4.07E+00	U
WS	51	271331002	1/25/2011	Pb-214	5.66E+00	1.98E+00	5.09E+00	UI
WS	51	271331002	1/25/2011	Ru-103	-6.68E-01	6.98E-01	2.21E+00	U
WS	51	271331002	1/25/2011	Ru-106	-2.15E+00	5.64E+00	1.84E+01	U
WS	51	271331002	1/25/2011	Sb-124	2.87E+00	1.78E+00	5.84E+00	U
WS	51	271331002	1/25/2011	Sb-125	-1.48E+00	1.64E+00	5.28E+00	U
WS	51	271331002	1/25/2011	Se-75	-1.66E+00	9.13E-01	2.57E+00	U
WS	51	271331002	1/25/2011	Th-228	2.40E+00	1.86E+00	4.07E+00	U
WS	51	271331002	1/25/2011	Zn-65	-1.16E-01	1.44E+00	4.82E+00	U
WS	51	271331002	1/25/2011	Zr-95	2.16E-01	1.20E+00	3.93E+00	U
WS	51	273396002	2/24/2011	Ac-228	3.45E+00	4.84E+00	8.51E+00	U
WS	51	273396002	2/24/2011	Ag-108m	6.56E-02	5.17E-01	1.67E+00	U
WS	51	273396002	2/24/2011	Ag-110m	-3.50E-01	5.81E-01	1.87E+00	U
WS	51	273396002	2/24/2011	Ba-140	6.31E-01	1.01E+00	3.45E+00	U
WS	51	273396002	2/24/2011	Be-7	-4.89E+00	8.55E+00	2.68E+01	U
WS	51	273396002	2/24/2011	Bi-214	-2.52E+00	2.10E+00	4.30E+00	U
WS	51	273396002	2/24/2011	Ce-141	5.04E+00	2.92E+00	7.87E+00	U
WS	51	273396002	2/24/2011	Ce-144	-8.66E+00	4.73E+00	1.33E+01	U
WS	51	273396002	2/24/2011	Co-57	2.08E-01	5.55E-01	1.80E+00	U
WS	51	273396002	2/24/2011	Co-58	8.88E-01	8.28E-01	2.70E+00	U
WS	51	273396002	2/24/2011	Co-60	2.84E-01	6.05E-01	2.01E+00	U
WS	51	273396002	2/24/2011	Cr-51	-5.59E-01	1.51E+01	4.98E+01	U
WS	51	273396002	2/24/2011	Cs-134	1.11E+00	7.53E-01	2.40E+00	U
WS	51	273396002	2/24/2011	Cs-137	-5.86E-01	5.80E-01	1.81E+00	U
WS	51	273396002	2/24/2011	Fe-59	-2.18E+00	2.38E+00	7.51E+00	U
WS	51	273396002	2/24/2011	I-131	1.54E+00	1.46E+00	4.75E+00	U
WS	51	273396002	2/24/2011	K-40	3.45E+02	2.16E+01	1.80E+01	
WS	51	273396002	2/24/2011	La-140	6.31E-01	1.01E+00	3.45E+00	U
WS	51	273396002	2/24/2011	Mn-54	-2.23E-01	6.06E-01	1.94E+00	U
WS	51	273396002	2/24/2011	Nb-95	1.22E+00	9.39E-01	3.03E+00	U
WS	51	273396002	2/24/2011	Pb-212	-3.32E+00	1.94E+00	4.10E+00	U
WS	51	273396002	2/24/2011	Pb-214	-1.57E+00	2.37E+00	4.59E+00	U
WS	51	273396002	2/24/2011	Ru-103	-2.30E+00	1.49E+00	3.87E+00	U
WS	51	273396002	2/24/2011	Ru-106	-5.48E+00	5.50E+00	1.74E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
WS	51	273396002	2/24/2011	Sb-124	-3.91E-01	2.05E+00	6.75E+00	U
WS	51	273396002	2/24/2011	Sb-125	-1.11E+00	1.63E+00	5.12E+00	U
WS	51	273396002	2/24/2011	Se-75	-5.22E-01	1.02E+00	3.33E+00	U
WS	51	273396002	2/24/2011	Th-228	-3.32E+00	1.94E+00	4.10E+00	U
WS	51	273396002	2/24/2011	Zn-65	-4.18E+00	1.74E+00	4.36E+00	U
WS	51	273396002	2/24/2011	Zr-95	4.76E+00	1.95E+00	5.64E+00	U
WS	51	274498002	3/22/2011	Ac-228	5.84E+00	2.53E+00	7.40E+00	U
WS	51	274498002	3/22/2011	Ag-108m	1.78E-01	4.99E-01	1.61E+00	U
WS	51	274498002	3/22/2011	Ag-110m	-2.47E-01	4.94E-01	1.60E+00	U
WS	51	274498002	3/22/2011	Ba-140	8.27E-01	8.92E-01	2.94E+00	U
WS	51	274498002	3/22/2011	Be-7	1.22E+01	5.19E+00	1.55E+01	U
WS	51	274498002	3/22/2011	Bi-214	-3.82E+00	2.23E+00	4.04E+00	U
WS	51	274498002	3/22/2011	Ce-141	1.03E-01	9.11E-01	3.09E+00	U
WS	51	274498002	3/22/2011	Ce-144	2.59E+00	3.80E+00	1.20E+01	U
WS	51	274498002	3/22/2011	Co-57	-1.84E-02	4.70E-01	1.49E+00	U
WS	51	274498002	3/22/2011	Co-58	-4.56E-01	5.43E-01	1.69E+00	U
WS	51	274498002	3/22/2011	Co-60	-6.80E-02	5.57E-01	1.83E+00	U
WS	51	274498002	3/22/2011	Cr-51	2.82E+00	4.97E+00	1.63E+01	U
WS	51	274498002	3/22/2011	Cs-134	1.09E+00	6.96E-01	2.22E+00	U
WS	51	274498002	3/22/2011	Cs-137	-9.73E-02	5.31E-01	1.75E+00	U
WS	51	274498002	3/22/2011	Fe-59	9.93E-01	1.10E+00	3.70E+00	U
WS	51	274498002	3/22/2011	I-131	1.60E+00	9.91E-01	3.08E+00	U
WS	51	274498002	3/22/2011	K-40	2.74E+02	2.06E+01	1.68E+01	
WS	51	274498002	3/22/2011	La-140	8.27E-01	8.91E-01	2.94E+00	U
WS	51	274498002	3/22/2011	Mn-54	-2.57E-01	5.29E-01	1.69E+00	U
WS	51	274498002	3/22/2011	Nb-95	1.19E+00	6.13E-01	1.89E+00	U
WS	51	274498002	3/22/2011	Pb-212	-2.73E+00	2.14E+00	4.12E+00	U
WS	51	274498002	3/22/2011	Pb-214	1.17E+00	1.28E+00	4.15E+00	U
WS	51	274498002	3/22/2011	Ru-103	1.26E+00	6.20E-01	1.91E+00	U
WS	51	274498002	3/22/2011	Ru-106	5.12E+00	4.98E+00	1.64E+01	U
WS	51	274498002	3/22/2011	Sb-124	-1.49E+00	1.30E+00	3.81E+00	U
WS	51	274498002	3/22/2011	Sb-125	-1.73E+00	1.51E+00	4.56E+00	U
WS	51	274498002	3/22/2011	Se-75	2.52E-02	7.21E-01	2.38E+00	U
WS	51	274498002	3/22/2011	Th-228	-2.73E+00	2.14E+00	4.12E+00	U
WS	51	274498002	3/22/2011	Zn-65	-8.47E-01	1.17E+00	3.78E+00	U
WS	51	274498002	3/22/2011	Zr-95	6.72E-01	9.37E-01	3.09E+00	U
WS	51	278395002	3/22/2011	H-3	2.04E+02	1.59E+02	4.87E+02	U
WS	51	277210002	4/19/2011	Ac-228	1.81E+00	4.05E+00	9.81E+00	U
WS	51	277210002	4/19/2011	Ag-108m	2.42E-01	5.94E-01	1.93E+00	U
WS	51	277210002	4/19/2011	Ag-110m	3.54E-01	6.58E-01	2.19E+00	U
WS	51	277210002	4/19/2011	Ba-140	-1.08E-01	1.83E+00	6.11E+00	U
WS	51	277210002	4/19/2011	Be-7	-4.14E+00	6.83E+00	2.13E+01	U
WS	51	277210002	4/19/2011	Bi-214	2.06E+00	2.66E+00	4.23E+00	U
WS	51	277210002	4/19/2011	Ce-141	8.12E-01	1.59E+00	4.85E+00	U
WS	51	277210002	4/19/2011	Ce-144	-1.44E+00	4.61E+00	1.47E+01	U
WS	51	277210002	4/19/2011	Co-57	5.42E-01	6.17E-01	1.98E+00	U
WS	51	277210002	4/19/2011	Co-58	-2.40E-01	6.93E-01	2.22E+00	U
WS	51	277210002	4/19/2011	Co-60	-5.77E-01	6.74E-01	2.07E+00	U
WS	51	277210002	4/19/2011	Cr-51	9.82E+00	8.69E+00	2.82E+01	U
WS	51	277210002	4/19/2011	Cs-134	5.41E-01	7.95E-01	2.62E+00	U
WS	51	277210002	4/19/2011	Cs-137	-5.54E-01	7.17E-01	2.28E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
WS	51	277210002	4/19/2011	Fe-59	5.52E+00	2.07E+00	5.97E+00	U
WS	51	277210002	4/19/2011	I-131	-3.92E+00	2.95E+00	8.85E+00	U
WS	51	277210002	4/19/2011	K-40	1.92E+02	1.87E+01	2.17E+01	
WS	51	277210002	4/19/2011	La-140	-1.08E-01	1.83E+00	6.11E+00	U
WS	51	277210002	4/19/2011	Mn-54	5.90E-01	6.54E-01	2.14E+00	U
WS	51	277210002	4/19/2011	Nb-95	1.27E-01	7.18E-01	2.36E+00	U
WS	51	277210002	4/19/2011	Pb-212	-3.23E+00	2.14E+00	4.60E+00	U
WS	51	277210002	4/19/2011	Pb-214	1.06E-02	2.75E+00	5.49E+00	U
WS	51	277210002	4/19/2011	Ru-103	-1.45E+00	8.89E-01	2.65E+00	U
WS	51	277210002	4/19/2011	Ru-106	-5.52E-01	5.63E+00	1.87E+01	U
WS	51	277210002	4/19/2011	Sb-124	-8.42E-01	1.89E+00	6.13E+00	U
WS	51	277210002	4/19/2011	Sb-125	-2.74E+00	1.92E+00	5.60E+00	U
WS	51	277210002	4/19/2011	Se-75	1.03E+00	9.71E-01	3.19E+00	U
WS	51	277210002	4/19/2011	Th-228	-3.23E+00	2.14E+00	4.60E+00	U
WS	51	277210002	4/19/2011	Zn-65	-1.34E+00	1.47E+00	4.59E+00	U
WS	51	277210002	4/19/2011	Zr-95	-1.40E-01	1.27E+00	4.15E+00	U
WS	51	279560002	5/24/2011	Ac-228	-7.93E+00	4.16E+00	8.92E+00	U
WS	51	279560002	5/24/2011	Ag-108m	6.88E-01	5.62E-01	1.82E+00	U
WS	51	279560002	5/24/2011	Ag-110m	-5.25E-01	6.14E-01	1.96E+00	U
WS	51	279560002	5/24/2011	Ba-140	1.08E+00	2.27E+00	7.51E+00	U
WS	51	279560002	5/24/2011	Be-7	-1.23E+00	9.65E+00	2.21E+01	U
WS	51	279560002	5/24/2011	Bi-214	6.29E+00	2.42E+00	4.20E+00	X(1)
WS	51	279560002	5/24/2011	Ce-141	-6.09E+00	2.55E+00	4.72E+00	U
WS	51	279560002	5/24/2011	Ce-144	-2.42E+00	4.22E+00	1.36E+01	U
WS	51	279560002	5/24/2011	Co-57	1.96E-01	5.51E-01	1.82E+00	U
WS	51	279560002	5/24/2011	Co-58	3.46E-02	7.59E-01	2.50E+00	U
WS	51	279560002	5/24/2011	Co-60	2.18E-02	6.50E-01	2.15E+00	U
WS	51	279560002	5/24/2011	Cr-51	1.09E+01	8.87E+00	2.91E+01	U
WS	51	279560002	5/24/2011	Cs-134	5.07E-01	7.92E-01	2.64E+00	U
WS	51	279560002	5/24/2011	Cs-137	-7.54E-01	1.03E+00	2.24E+00	U
WS	51	279560002	5/24/2011	Fe-59	1.57E-01	1.75E+00	5.90E+00	U
WS	51	279560002	5/24/2011	I-131	2.44E+00	3.87E+00	1.29E+01	U
WS	51	279560002	5/24/2011	K-40	3.18E+02	2.45E+01	1.91E+01	
WS	51	279560002	5/24/2011	La-140	1.08E+00	2.27E+00	7.51E+00	U
WS	51	279560002	5/24/2011	Mn-54	9.94E-01	6.93E-01	2.25E+00	U
WS	51	279560002	5/24/2011	Nb-95	5.73E-01	7.83E-01	2.61E+00	U
WS	51	279560002	5/24/2011	Pb-212	5.68E+00	2.49E+00	4.66E+00	UI
WS	51	279560002	5/24/2011	Pb-214	2.25E+00	2.73E+00	5.27E+00	U
WS	51	279560002	5/24/2011	Ru-103	4.91E-01	8.35E-01	2.72E+00	U
WS	51	279560002	5/24/2011	Ru-106	2.59E+00	5.53E+00	1.87E+01	U
WS	51	279560002	5/24/2011	Sb-124	-1.07E+00	1.78E+00	5.48E+00	U
WS	51	279560002	5/24/2011	Sb-125	7.10E-01	1.66E+00	5.45E+00	U
WS	51	279560002	5/24/2011	Se-75	-1.65E-01	8.78E-01	2.95E+00	U
WS	51	279560002	5/24/2011	Th-228	5.68E+00	2.49E+00	4.66E+00	UI
WS	51	279560002	5/24/2011	Tl-208	5.31E+00	1.17E+00	2.00E+00	
WS	51	279560002	5/24/2011	Zn-65	-2.94E+00	1.64E+00	4.65E+00	U
WS	51	279560002	5/24/2011	Zr-95	5.70E-01	1.31E+00	4.36E+00	U
WS	51	281629002	6/21/2011	Ac-228	-3.11E-01	4.07E+00	9.76E+00	U
WS	51	281629002	6/21/2011	Ag-108m	-6.74E-01	6.19E-01	1.89E+00	U
WS	51	281629002	6/21/2011	Ag-110m	-1.19E+00	7.02E-01	2.03E+00	U
WS	51	281629002	6/21/2011	Ba-140	5.73E-01	2.67E+00	8.95E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS	
WS	51	281629002	6/21/2011	Be-7	-8.59E+00	7.70E+00	2.32E+01	U	
WS	51	281629002	6/21/2011	Bi-214	2.03E+00	2.85E+00	3.93E+00	U	
WS	51	281629002	6/21/2011	Ce-141	1.55E+00	1.66E+00	5.31E+00	U	
WS	51	281629002	6/21/2011	Ce-144	-3.48E+00	4.42E+00	1.40E+01	U	
WS	51	281629002	6/21/2011	Co-57	-3.55E-01	7.65E-01	1.92E+00	U	
WS	51	281629002	6/21/2011	Co-58	-6.49E-01	8.42E-01	2.63E+00	U	
WS	51	281629002	6/21/2011	Co-60	8.42E-01	7.26E-01	2.38E+00	U	
WS	51	281629002	6/21/2011	Cr-51	1.46E+00	8.98E+00	2.97E+01	U	
WS	51	281629002	6/21/2011	Cs-134	-4.31E-01	9.36E-01	2.56E+00	U	
WS	51	281629002	6/21/2011	Cs-137	-7.05E-02	1.10E+00	2.30E+00	U	
WS	51	281629002	6/21/2011	Fe-59	1.01E+00	1.85E+00	6.20E+00	U	
WS	51	281629002	6/21/2011	I-131	6.50E+00	4.82E+00	1.54E+01	U	DL*
WS	51	281629002	6/21/2011	K-40	3.10E+02	2.57E+01	2.23E+01		
WS	51	281629002	6/21/2011	La-140	5.73E-01	2.67E+00	8.95E+00	U	
WS	51	281629002	6/21/2011	Mn-54	7.73E-01	6.76E-01	2.19E+00	U	
WS	51	281629002	6/21/2011	Nb-95	-6.18E-01	8.54E-01	2.69E+00	U	
WS	51	281629002	6/21/2011	Pb-212	3.45E+00	2.23E+00	4.31E+00	U	
WS	51	281629002	6/21/2011	Pb-214	-2.06E+00	2.10E+00	4.92E+00	U	
WS	51	281629002	6/21/2011	Ru-103	-2.96E+00	1.31E+00	2.91E+00	U	
WS	51	281629002	6/21/2011	Ru-106	3.24E+00	5.93E+00	1.98E+01	U	
WS	51	281629002	6/21/2011	Sb-124	8.02E-01	1.80E+00	6.06E+00	U	
WS	51	281629002	6/21/2011	Sb-125	-2.50E+00	1.91E+00	5.71E+00	U	
WS	51	281629002	6/21/2011	Se-75	-4.18E-01	9.16E-01	3.03E+00	U	
WS	51	281629002	6/21/2011	Th-228	3.45E+00	2.23E+00	4.31E+00	U	
WS	51	281629002	6/21/2011	Zn-65	-6.92E+00	2.30E+00	4.65E+00	U	
WS	51	281629002	6/21/2011	Zr-95	-4.15E-01	1.45E+00	4.68E+00	U	
WS	51	284691002	6/21/2011	H-3	0.00E+00	1.28E+02	4.19E+02	U	
WS	51	282639002	7/18/2011	Ac-228	-2.54E+00	5.33E+00	1.21E+01	U	
WS	51	282639002	7/18/2011	Ag-108m	1.01E-01	6.62E-01	2.15E+00	U	
WS	51	282639002	7/18/2011	Ag-110m	-1.78E+00	8.55E-01	2.26E+00	U	
WS	51	282639002	7/18/2011	Ba-140	-1.09E+00	1.49E+00	4.49E+00	U	
WS	51	282639002	7/18/2011	Be-7	4.86E+00	6.89E+00	2.24E+01	U	
WS	51	282639002	7/18/2011	Bi-214	1.20E+00	3.28E+00	6.32E+00	U	
WS	51	282639002	7/18/2011	Ce-141	-2.95E-01	1.30E+00	4.14E+00	U	
WS	51	282639002	7/18/2011	Ce-144	3.14E+00	4.71E+00	1.44E+01	U	
WS	51	282639002	7/18/2011	Co-57	-1.09E+00	6.53E-01	1.87E+00	U	
WS	51	282639002	7/18/2011	Co-58	-1.13E+00	8.99E-01	2.66E+00	U	
WS	51	282639002	7/18/2011	Co-60	3.66E-01	8.12E-01	2.73E+00	U	
WS	51	282639002	7/18/2011	Cr-51	-2.20E+00	7.67E+00	2.50E+01	U	
WS	51	282639002	7/18/2011	Cs-134	-3.20E-02	8.92E-01	2.92E+00	U	
WS	51	282639002	7/18/2011	Cs-137	2.36E+00	9.75E-01	2.94E+00	U	
WS	51	282639002	7/18/2011	Fe-59	2.65E-01	1.84E+00	6.21E+00	U	
WS	51	282639002	7/18/2011	I-131	-9.36E-01	1.75E+00	5.59E+00	U	
WS	51	282639002	7/18/2011	K-40	2.87E+02	2.74E+01	2.55E+01		
WS	51	282639002	7/18/2011	La-140	-1.09E+00	1.48E+00	4.49E+00	U	
WS	51	282639002	7/18/2011	Mn-54	5.35E-01	7.88E-01	2.62E+00	U	
WS	51	282639002	7/18/2011	Nb-95	9.79E-01	8.24E-01	2.73E+00	U	
WS	51	282639002	7/18/2011	Pb-212	-9.50E-01	2.11E+00	5.10E+00	U	
WS	51	282639002	7/18/2011	Pb-214	1.24E+00	3.01E+00	6.09E+00	U	
WS	51	282639002	7/18/2011	Ru-103	-1.63E-01	8.57E-01	2.72E+00	U	
WS	51	282639002	7/18/2011	Ru-106	-1.12E+01	7.31E+00	2.14E+01	U	

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
WS	51	282639002	7/18/2011	Sb-124	1.34E+00	2.04E+00	6.81E+00	U
WS	51	282639002	7/18/2011	Sb-125	-1.55E+00	2.06E+00	6.40E+00	U
WS	51	282639002	7/18/2011	Se-75	4.47E-01	9.18E-01	3.07E+00	U
WS	51	282639002	7/18/2011	Th-228	-9.50E-01	2.11E+00	5.10E+00	U
WS	51	282639002	7/18/2011	Zn-65	-3.77E+00	2.10E+00	5.86E+00	U
WS	51	282639002	7/18/2011	Zr-95	2.91E+00	1.65E+00	5.30E+00	U
WS	51	284909002	8/24/2011	Ac-228	7.01E+00	5.07E+00	1.24E+01	U
WS	51	284909002	8/24/2011	Ag-108m	-8.25E-01	6.61E-01	2.02E+00	U
WS	51	284909002	8/24/2011	Ag-110m	-2.89E-01	7.86E-01	2.48E+00	U
WS	51	284909002	8/24/2011	Ba-140	-1.86E+00	1.65E+00	4.83E+00	U
WS	51	284909002	8/24/2011	Be-7	2.66E+00	6.47E+00	2.14E+01	U
WS	51	284909002	8/24/2011	Bi-214	-5.19E-02	2.34E+00	6.21E+00	U
WS	51	284909002	8/24/2011	Ce-141	-8.56E-01	1.15E+00	3.69E+00	U
WS	51	284909002	8/24/2011	Ce-144	-1.39E+00	3.93E+00	1.29E+01	U
WS	51	284909002	8/24/2011	Co-57	-9.16E-01	5.27E-01	1.55E+00	U
WS	51	284909002	8/24/2011	Co-58	4.81E-01	7.76E-01	2.62E+00	U
WS	51	284909002	8/24/2011	Co-60	2.02E-01	8.44E-01	2.85E+00	U
WS	51	284909002	8/24/2011	Cr-51	1.62E+01	7.51E+00	2.32E+01	U
WS	51	284909002	8/24/2011	Cs-134	-9.01E-01	9.13E-01	2.85E+00	U
WS	51	284909002	8/24/2011	Cs-137	4.23E-01	8.88E-01	2.88E+00	U
WS	51	284909002	8/24/2011	Fe-59	-1.59E+00	2.06E+00	6.37E+00	U
WS	51	284909002	8/24/2011	I-131	-1.65E+00	1.78E+00	5.69E+00	U
WS	51	284909002	8/24/2011	K-40	2.78E+02	2.75E+01	2.38E+01	
WS	51	284909002	8/24/2011	La-140	-1.86E+00	1.65E+00	4.83E+00	U
WS	51	284909002	8/24/2011	Mn-54	2.19E-01	8.07E-01	2.70E+00	U
WS	51	284909002	8/24/2011	Nb-95	4.90E-01	8.04E-01	2.72E+00	U
WS	51	284909002	8/24/2011	Pb-212	5.29E-01	2.49E+00	4.87E+00	U
WS	51	284909002	8/24/2011	Pb-214	-3.57E-01	2.16E+00	5.73E+00	U
WS	51	284909002	8/24/2011	Ru-103	-1.54E+00	9.17E-01	2.59E+00	U
WS	51	284909002	8/24/2011	Ru-106	2.04E+00	7.18E+00	2.33E+01	U
WS	51	284909002	8/24/2011	Sb-124	2.20E-01	1.97E+00	6.51E+00	U
WS	51	284909002	8/24/2011	Sb-125	-1.21E+00	1.87E+00	6.00E+00	U
WS	51	284909002	8/24/2011	Se-75	6.51E-01	9.14E-01	2.93E+00	U
WS	51	284909002	8/24/2011	Th-228	5.29E-01	2.49E+00	4.87E+00	U
WS	51	284909002	8/24/2011	Zn-65	1.05E+00	1.86E+00	6.12E+00	U
WS	51	284909002	8/24/2011	Zr-95	2.28E+00	1.66E+00	5.50E+00	U
WS	51	285891002	9/12/2011	Ac-228	-3.87E+00	4.20E+00	9.31E+00	U
WS	51	285891002	9/12/2011	Ag-108m	-4.62E-01	5.70E-01	1.84E+00	U
WS	51	285891002	9/12/2011	Ag-110m	-5.01E-01	6.26E-01	1.96E+00	U
WS	51	285891002	9/12/2011	Ba-140	-5.75E-01	1.27E+00	4.13E+00	U
WS	51	285891002	9/12/2011	Be-7	-5.03E+00	5.94E+00	1.90E+01	U
WS	51	285891002	9/12/2011	Bi-214	1.84E+00	2.95E+00	5.72E+00	U
WS	51	285891002	9/12/2011	Ce-141	3.59E-01	1.27E+00	4.24E+00	U
WS	51	285891002	9/12/2011	Ce-144	-2.40E+00	4.40E+00	1.45E+01	U
WS	51	285891002	9/12/2011	Co-57	3.73E-01	5.81E-01	1.95E+00	U
WS	51	285891002	9/12/2011	Co-58	-2.27E+00	1.13E+00	2.16E+00	U
WS	51	285891002	9/12/2011	Co-60	1.50E-01	6.68E-01	2.20E+00	U
WS	51	285891002	9/12/2011	Cr-51	-4.59E+00	9.17E+00	2.30E+01	U
WS	51	285891002	9/12/2011	Cs-134	5.49E-01	8.05E-01	2.63E+00	U
WS	51	285891002	9/12/2011	Cs-137	6.29E-01	6.80E-01	2.23E+00	U
WS	51	285891002	9/12/2011	Fe-59	3.28E-01	1.43E+00	4.77E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
WS	51	285891002	9/12/2011	I-131	-1.37E+00	1.53E+00	4.96E+00	U
WS	51	285891002	9/12/2011	K-40	3.48E+02	2.47E+01	1.97E+01	
WS	51	285891002	9/12/2011	La-140	-5.75E-01	1.27E+00	4.13E+00	U
WS	51	285891002	9/12/2011	Mn-54	-6.02E-01	6.90E-01	2.22E+00	U
WS	51	285891002	9/12/2011	Nb-95	4.05E-01	6.90E-01	2.26E+00	U
WS	51	285891002	9/12/2011	Pb-212	4.36E-01	2.23E+00	4.82E+00	U
WS	51	285891002	9/12/2011	Pb-214	9.26E+00	3.92E+00	5.23E+00	UI
WS	51	285891002	9/12/2011	Ru-103	5.47E-01	7.68E-01	2.56E+00	U
WS	51	285891002	9/12/2011	Ru-106	1.17E+01	6.79E+00	2.14E+01	U
WS	51	285891002	9/12/2011	Sb-124	-4.06E-01	1.58E+00	5.17E+00	U
WS	51	285891002	9/12/2011	Sb-125	-2.55E+00	1.86E+00	5.71E+00	U
WS	51	285891002	9/12/2011	Se-75	1.19E+00	9.36E-01	2.98E+00	U
WS	51	285891002	9/12/2011	Th-228	4.36E-01	2.23E+00	4.82E+00	U
WS	51	285891002	9/12/2011	Zn-65	-2.09E+00	1.51E+00	4.45E+00	U
WS	51	285891002	9/12/2011	Zr-95	2.21E-01	1.21E+00	3.93E+00	U
WS	51	286617002	9/21/2011	Ac-228	1.45E+00	2.99E+00	8.89E+00	U
WS	51	286617002	9/21/2011	Ag-108m	-9.40E-02	5.57E-01	1.81E+00	U
WS	51	286617002	9/21/2011	Ag-110m	-6.27E-01	6.00E-01	1.90E+00	U
WS	51	286617002	9/21/2011	Ba-140	-1.34E+00	1.16E+00	3.44E+00	U
WS	51	286617002	9/21/2011	Be-7	-5.35E+00	5.60E+00	1.72E+01	U
WS	51	286617002	9/21/2011	Bi-214	1.05E+01	3.75E+00	5.80E+00	UI
WS	51	286617002	9/21/2011	Ce-141	-9.24E-01	1.63E+00	3.85E+00	U
WS	51	286617002	9/21/2011	Ce-144	-3.53E+00	4.43E+00	1.38E+01	U
WS	51	286617002	9/21/2011	Co-57	-1.03E+00	6.02E-01	1.72E+00	U
WS	51	286617002	9/21/2011	Co-58	1.03E-01	6.11E-01	2.04E+00	U
WS	51	286617002	9/21/2011	Co-60	-1.25E+00	9.24E-01	2.15E+00	U
WS	51	286617002	9/21/2011	Cr-51	6.96E-01	6.38E+00	2.13E+01	U
WS	51	286617002	9/21/2011	Cs-134	7.18E-01	7.27E-01	2.44E+00	U
WS	51	286617002	9/21/2011	Cs-137	-9.02E-01	1.17E+00	2.17E+00	U
WS	51	286617002	9/21/2011	Fe-59	-8.17E-01	1.25E+00	3.91E+00	U
WS	51	286617002	9/21/2011	I-131	3.79E+00	1.73E+00	5.21E+00	U
WS	51	286617002	9/21/2011	K-40	3.14E+02	2.49E+01	1.73E+01	
WS	51	286617002	9/21/2011	La-140	-1.34E+00	1.16E+00	3.44E+00	U
WS	51	286617002	9/21/2011	Mn-54	2.40E-01	6.03E-01	2.02E+00	U
WS	51	286617002	9/21/2011	Nb-95	-1.87E-01	6.19E-01	2.04E+00	U
WS	51	286617002	9/21/2011	Pb-212	3.10E+00	2.48E+00	4.86E+00	U
WS	51	286617002	9/21/2011	Pb-214	7.22E+00	2.89E+00	5.36E+00	UI
WS	51	286617002	9/21/2011	Ru-103	-6.08E-01	7.48E-01	2.32E+00	U
WS	51	286617002	9/21/2011	Ru-106	1.10E+00	5.49E+00	1.77E+01	U
WS	51	286617002	9/21/2011	Sb-124	-8.65E-01	1.44E+00	4.52E+00	U
WS	51	286617002	9/21/2011	Sb-125	9.90E-01	1.72E+00	5.66E+00	U
WS	51	286617002	9/21/2011	Se-75	3.96E-01	8.38E-01	2.82E+00	U
WS	51	286617002	9/21/2011	Th-228	3.10E+00	2.48E+00	4.86E+00	U
WS	51	286617002	9/21/2011	Zn-65	-1.01E+00	1.46E+00	4.54E+00	U
WS	51	286617002	9/21/2011	Zr-95	3.12E-01	9.78E-01	3.30E+00	U
WS	51	290821002	9/21/2011	H-3	3.09E+02	1.88E+02	5.64E+02	U
WS	51	289163002	10/26/2011	Ac-228	-2.82E+00	4.62E+00	1.17E+01	U
WS	51	289163002	10/26/2011	Ag-108m	3.73E-01	6.73E-01	2.18E+00	U
WS	51	289163002	10/26/2011	Ag-110m	-4.09E-01	6.98E-01	2.22E+00	U
WS	51	289163002	10/26/2011	Ba-140	-6.53E-01	1.26E+00	4.04E+00	U
WS	51	289163002	10/26/2011	Be-7	6.93E-02	6.27E+00	2.11E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
WS	51	289163002	10/26/2011	Bi-214	9.17E+00	3.02E+00	5.01E+00	X(1)
WS	51	289163002	10/26/2011	Ce-141	-3.23E+00	2.26E+00	5.01E+00	U
WS	51	289163002	10/26/2011	Ce-144	-9.71E+00	6.13E+00	1.74E+01	U
WS	51	289163002	10/26/2011	Co-57	-4.33E-01	7.56E-01	2.37E+00	U
WS	51	289163002	10/26/2011	Co-58	5.57E-01	7.67E-01	2.52E+00	U
WS	51	289163002	10/26/2011	Co-60	4.72E-01	8.37E-01	2.78E+00	U
WS	51	289163002	10/26/2011	Cr-51	-1.11E-01	7.55E+00	2.46E+01	U
WS	51	289163002	10/26/2011	Cs-134	-3.17E-01	9.18E-01	2.92E+00	U
WS	51	289163002	10/26/2011	Cs-137	6.12E-01	7.73E-01	2.57E+00	U
WS	51	289163002	10/26/2011	Fe-59	-2.33E+00	1.71E+00	5.00E+00	U
WS	51	289163002	10/26/2011	I-131	-1.77E+00	1.55E+00	4.67E+00	U
WS	51	289163002	10/26/2011	K-40	2.95E+02	2.74E+01	2.61E+01	
WS	51	289163002	10/26/2011	La-140	-6.53E-01	1.26E+00	4.04E+00	U
WS	51	289163002	10/26/2011	Mn-54	-4.29E-01	7.04E-01	2.19E+00	U
WS	51	289163002	10/26/2011	Nb-95	9.37E-01	8.03E-01	2.63E+00	U
WS	51	289163002	10/26/2011	Pb-212	1.51E+00	2.94E+00	5.11E+00	U
WS	51	289163002	10/26/2011	Pb-214	1.03E+00	3.00E+00	6.79E+00	U
WS	51	289163002	10/26/2011	Ru-103	-2.26E-03	7.91E-01	2.65E+00	U
WS	51	289163002	10/26/2011	Ru-106	-6.43E-01	6.77E+00	2.23E+01	U
WS	51	289163002	10/26/2011	Sb-124	-1.33E+00	1.83E+00	5.70E+00	U
WS	51	289163002	10/26/2011	Sb-125	-3.37E+00	2.17E+00	6.11E+00	U
WS	51	289163002	10/26/2011	Se-75	-1.22E+00	1.07E+00	3.31E+00	U
WS	51	289163002	10/26/2011	Th-228	1.51E+00	2.94E+00	5.11E+00	U
WS	51	289163002	10/26/2011	Zn-65	-4.47E+00	2.09E+00	5.31E+00	U
WS	51	289163002	10/26/2011	Zr-95	-1.07E+00	1.40E+00	4.33E+00	U
WS	51	290710002	11/17/2011	Ac-228	-4.27E+00	3.52E+00	7.89E+00	U
WS	51	290710002	11/17/2011	Ag-108m	-4.08E-01	5.00E-01	1.54E+00	U
WS	51	290710002	11/17/2011	Ag-110m	-9.87E-01	5.38E-01	1.51E+00	U
WS	51	290710002	11/17/2011	Ba-140	8.18E-01	9.82E-01	3.31E+00	U
WS	51	290710002	11/17/2011	Be-7	2.22E+00	4.37E+00	1.47E+01	U
WS	51	290710002	11/17/2011	Bi-214	-1.79E+00	2.13E+00	4.20E+00	U
WS	51	290710002	11/17/2011	Ce-141	-2.32E+00	1.71E+00	3.45E+00	U
WS	51	290710002	11/17/2011	Ce-144	-7.10E-01	3.88E+00	1.23E+01	U
WS	51	290710002	11/17/2011	Co-57	-2.59E-01	5.14E-01	1.62E+00	U
WS	51	290710002	11/17/2011	Co-58	-4.82E-02	5.58E-01	1.80E+00	U
WS	51	290710002	11/17/2011	Co-60	-2.22E-02	5.89E-01	1.91E+00	U
WS	51	290710002	11/17/2011	Cr-51	-1.48E+00	5.40E+00	1.75E+01	U
WS	51	290710002	11/17/2011	Cs-134	5.25E-01	6.47E-01	2.11E+00	U
WS	51	290710002	11/17/2011	Cs-137	5.29E-01	5.43E-01	1.79E+00	U
WS	51	290710002	11/17/2011	Fe-59	1.20E+00	1.22E+00	4.04E+00	U
WS	51	290710002	11/17/2011	I-131	2.26E+00	1.21E+00	3.66E+00	U
WS	51	290710002	11/17/2011	K-40	3.34E+02	2.17E+01	1.61E+01	
WS	51	290710002	11/17/2011	La-140	8.18E-01	9.81E-01	3.31E+00	U
WS	51	290710002	11/17/2011	Mn-54	-4.40E-01	5.41E-01	1.67E+00	U
WS	51	290710002	11/17/2011	Nb-95	1.03E+00	6.34E-01	1.99E+00	U
WS	51	290710002	11/17/2011	Pb-212	-3.73E+00	2.51E+00	5.02E+00	U
WS	51	290710002	11/17/2011	Pb-214	2.81E+00	2.44E+00	4.33E+00	U
WS	51	290710002	11/17/2011	Ru-103	-1.82E-01	5.80E-01	1.93E+00	U
WS	51	290710002	11/17/2011	Ru-106	6.19E+00	5.08E+00	1.66E+01	U
WS	51	290710002	11/17/2011	Sb-124	2.61E-01	1.29E+00	4.32E+00	U
WS	51	290710002	11/17/2011	Sb-125	3.62E+00	1.69E+00	4.95E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
WS	51	290710002	11/17/2011	Se-75	4.94E-03	7.32E-01	2.42E+00	U
WS	51	290710002	11/17/2011	Th-228	-3.73E+00	2.51E+00	5.02E+00	U
WS	51	290710002	11/17/2011	Zn-65	1.41E+00	1.27E+00	4.20E+00	U
WS	51	290710002	11/17/2011	Zr-95	-1.48E+00	1.02E+00	2.98E+00	U
WS	51	292310002	12/12/2011	Ac-228	6.27E+00	4.20E+00	7.56E+00	U
WS	51	292310002	12/12/2011	Ag-108m	2.07E-01	4.75E-01	1.57E+00	U
WS	51	292310002	12/12/2011	Ag-110m	4.12E-01	5.41E-01	1.62E+00	U
WS	51	292310002	12/12/2011	Ba-140	5.49E-01	1.00E+00	3.37E+00	U
WS	51	292310002	12/12/2011	Be-7	1.58E+00	5.07E+00	1.67E+01	U
WS	51	292310002	12/12/2011	Bi-214	1.67E+00	2.39E+00	4.16E+00	U
WS	51	292310002	12/12/2011	Ce-141	1.56E+00	1.59E+00	3.36E+00	U
WS	51	292310002	12/12/2011	Ce-144	-2.82E+00	3.69E+00	1.17E+01	U
WS	51	292310002	12/12/2011	Co-57	-3.45E-01	4.80E-01	1.54E+00	U
WS	51	292310002	12/12/2011	Co-58	-3.31E-02	5.59E-01	1.86E+00	U
WS	51	292310002	12/12/2011	Co-60	1.11E-02	5.61E-01	1.88E+00	U
WS	51	292310002	12/12/2011	Cr-51	2.92E+00	5.50E+00	1.85E+01	U
WS	51	292310002	12/12/2011	Cs-134	-3.17E-01	6.35E-01	2.07E+00	U
WS	51	292310002	12/12/2011	Cs-137	2.39E-01	1.11E+00	1.84E+00	U
WS	51	292310002	12/12/2011	Fe-59	-1.96E+00	1.26E+00	3.55E+00	U
WS	51	292310002	12/12/2011	I-131	5.87E-02	1.32E+00	4.39E+00	U
WS	51	292310002	12/12/2011	K-40	2.56E+02	2.06E+01	1.77E+01	
WS	51	292310002	12/12/2011	La-140	5.49E-01	1.00E+00	3.37E+00	U
WS	51	292310002	12/12/2011	Mn-54	-1.26E-01	4.97E-01	1.63E+00	U
WS	51	292310002	12/12/2011	Nb-95	-1.16E+00	7.87E-01	1.81E+00	U
WS	51	292310002	12/12/2011	Pb-212	1.11E+00	2.11E+00	3.82E+00	U
WS	51	292310002	12/12/2011	Pb-214	-1.64E+00	1.91E+00	4.34E+00	U
WS	51	292310002	12/12/2011	Ru-103	-1.19E+00	6.76E-01	1.89E+00	U
WS	51	292310002	12/12/2011	Ru-106	3.17E+00	4.90E+00	1.59E+01	U
WS	51	292310002	12/12/2011	Sb-124	-3.23E-01	1.24E+00	4.02E+00	U
WS	51	292310002	12/12/2011	Sb-125	1.71E+00	1.48E+00	4.83E+00	U
WS	51	292310002	12/12/2011	Se-75	4.42E-01	7.06E-01	2.39E+00	U
WS	51	292310002	12/12/2011	Th-228	1.11E+00	2.11E+00	3.82E+00	U
WS	51	292310002	12/12/2011	Zn-65	-2.13E+00	1.64E+00	3.89E+00	U
WS	51	292310002	12/12/2011	Zr-95	-5.33E-01	1.03E+00	3.37E+00	U
WS	51	295628002	12/12/2011	H-3	2.89E+02	1.47E+02	4.30E+02	U

FLAGS

A blank Flag field indicates that the measured activity is considered positive as it is greater than the MDC and has no other qualifiers noted.

U: **Target isotope was analyzed for but not detected above the MDC and LLD.**
UI: **Uncertain identification for gamma spectroscopy.**
X: **Lab-specific qualifier:**
(1) False positive due to the presence of radon gas in the water.
M: **Reported result is less than the LLD and greater than the MDC.**
DL: **Measured MDC is greater than the LLD.**
DL*: **Near miss of MDC being within round-off difference of being greater than the LLD.**