NEXTera ENERGY SEABROOK

April 28, 2014

Docket No. 50-443
SBK-L-14082

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

Seabrook Station
2013 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 2013 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 Ossing
Licensing Manager

IE25
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cc: with enclosure

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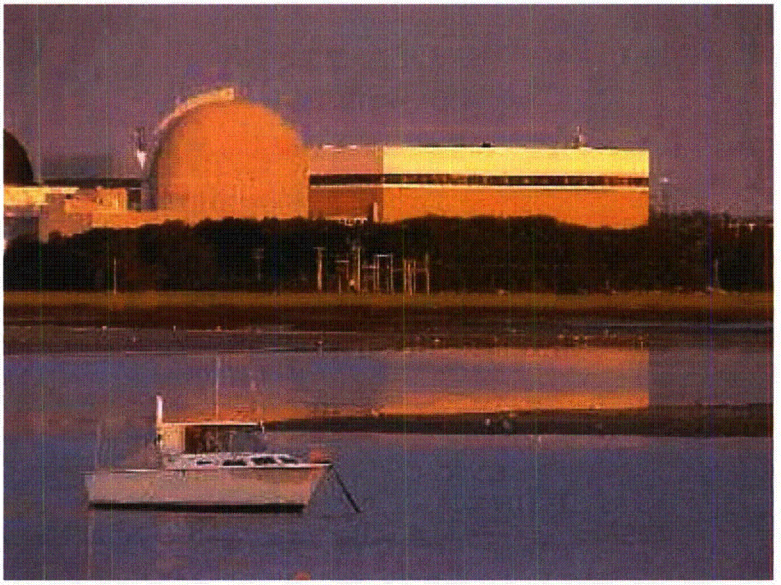
NEXTera ENERGY SEABROOK

2013 Annual Radiological Environmental Operating Report



April 2014

SEABROOK STATION

ANNUAL RADIOLOGICAL ENVIRONMENTAL OPERATING REPORT

For the Period

January - December 2013

Docket No. 50-443

Prepared By:

NextEra Energy Seabrook, LLC
Chemistry Department
Seabrook Station

And

AREVA INC
Radiological, Environmental & Performance Analysis
Marlborough, Massachusetts 01752

Prepared By: Mark Strum Date: 4-14-14

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Approved By: David A. Robinson Date: 04/14/2014

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 2013. This report describes the REMP and its implementation as required by Technical Specifications and as defined in the Offsite Dose Calculation Manual (ODCM). It also contains analytical results, data evaluation, dose assessment (as needed), 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 Inter-comparison Program required by the ODCM.

Radioactivity levels in the vicinity of Seabrook Station from January 1 through December 31, 2013 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 measureable radiation or radioactivity (if any) 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 included the collection for 2013 of at least 524 samples, with a total of 2322 individual measurement analyses. In 2013, the total number of sample analysis sets (both required and non-required) equaled 845 taken from 102 locations around Seabrook Station. These were collected from aquatic, atmospheric, and terrestrial environments. An estimated 4995 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) in 2013 included an additional 32 TLD direct radiation measurements beyond those listed as being part of the REMP. 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 reporting level 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 2013, 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 2013, the maximum whole body dose to the hypothetically exposed individual due to Seabrook Station effluents and operations was estimated to be 0.057 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 0.23% 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 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 2013 results were similar to previous years, excluding the Fukushima Daiichi event in 2011. There was no notable increase in natural products and no detectable fission products or other plant-related radionuclides in the airborne particulate media during the year.

- The direct exposure pathway measures environmental radiation exposures by use of thermoluminescent dosimeters (TLDs). TLD results have indicated a 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 various locations (both control and indicator stations) with no correlation with distance from Seabrook Station, 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 2013 from either plant operations or from the spent fuel in the Dry Fuel Storage Facility.

- The ingestion exposure pathway includes milk, fish, shellfish, terrestrial food products and leafy vegetation samples. The gamma spectroscopy analyses 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, past world-wide nuclear events such as atmospheric testing of nuclear weapons and the Fukushima Daiichi nuclear accident did result in detectable fallout of fission related radioactivity (Cs-137) in leafy vegetation (including at a Control Station) and milk. Neither fish, shellfish nor terrestrial food products (strawberries, green beans and lettuce) had any detectable fission product related radioactivity. No radionuclides related to plant effluents were detected in any of these sample media during 2013. For the one fission product (Cs-137) detected in vegetation and milk, plant effluent records indicate that no Cs-137 was released in gaseous effluents to the environment in 2013.

- 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 detected at all locations is similar to what was detected 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. There was also no I-131 detected in sea algae samples at the control sample location as there had been in past years (2006, 2008, 2009, and 2012). Previous evaluations concluded that the low level of I-131 in control samples of sea algae in the past were not related to Seabrook due to the distance (water borne dilution), short half-life of the radionuclide, and lack of any indication that Seabrook had released any detectable I-131 in liquid releases during the years when it was observed in algae.

The results of the 2013 REMP continue 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 fallout related to past global nuclear events, such as atmospheric weapons testing and 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 2013 did not contribute measurable radiation exposure to the general public. This finding is consistent with previous years' 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 2013. 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	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]
2013

Station Code (Media - Sta. No.)	Station Description	Zone	Approx. 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 (Rock Pile)	1	1.0	SW
AP/CF-04+	West Boundary (Plate Yard)	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
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	26.2	SSE
WS-02	Seabrook Marsh	1	0.18	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	26.2	SSE
SE-57	Plum Island Beach	2	22.4	SSE
FH-03+	Hampton-Discharge Area	1	4.5	ESE
FH-53+	Ipswich Bay	2	23.3	SSE
FH-19	Hampton-Discharge Area (not used in 2013)	1	5.2	E
HA-04+	Hampton-Discharge Area	1	5.5	E
HA-54+	Ipswich Bay	2	27.9	SSE
MU-06+	Hampton-Discharge Area	1	5.2	E
MU-09	Hampton Harbor	1	2.6	E
MU-56+	Ipswich Bay	2	28.6	SSE
MU-59	Plum Island	2	22.0	SSE
MS-06	Hampton-Discharge Area	1	5.2	E
MS-56	Ipswich Bay	2	28.6	SSE
AL-05	Hampton-Discharge Area	1	5.2	E
AL-55	Ipswich Bay	2	28.7	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]
2013

Station Code (Media - Sta. No.)	Station Description	Zone	Approx. 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	1.1	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)]
2013

Station Code (Media - Sta. No.)	Station Description	Zone	Approx. 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 2013 sample collection program.

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

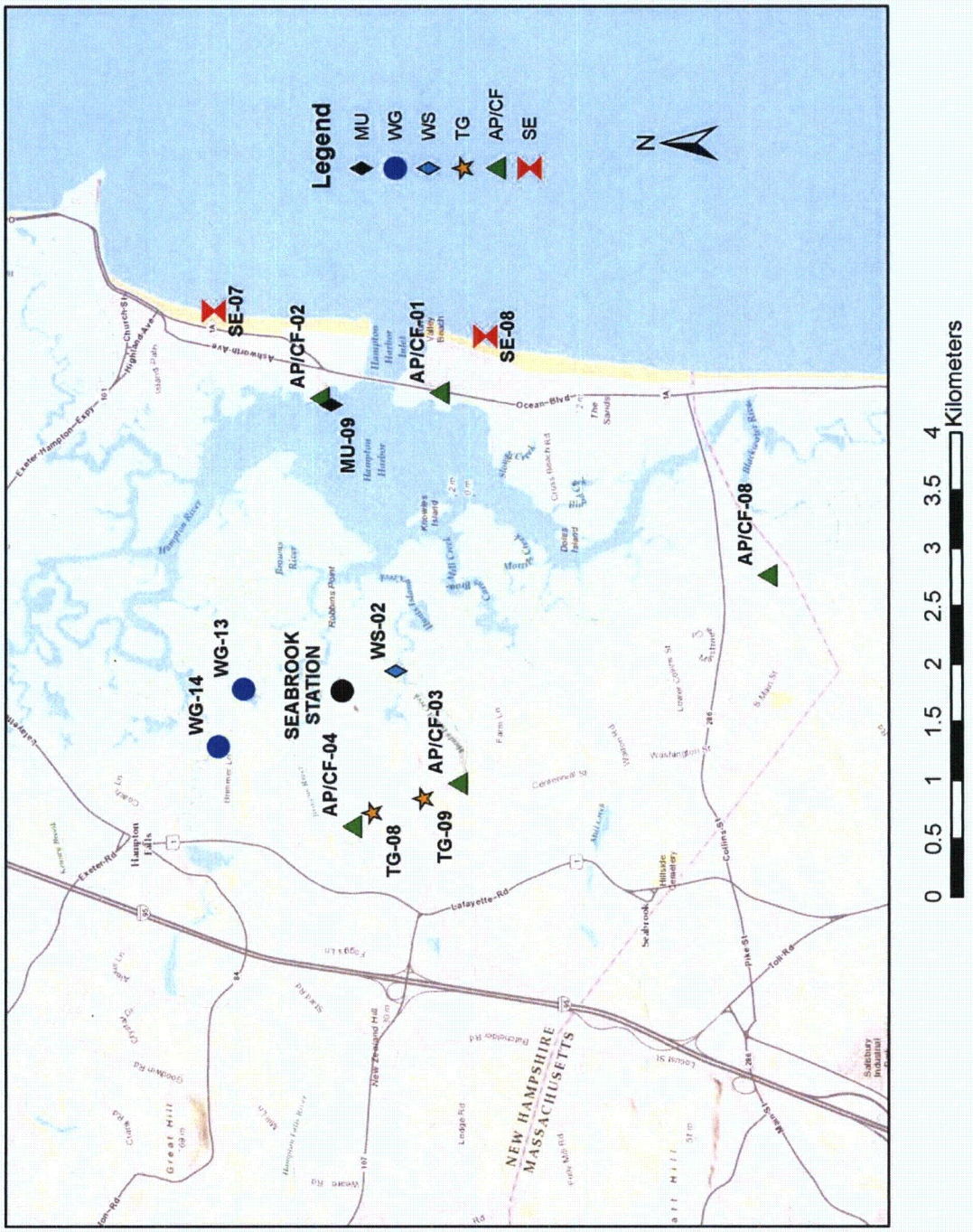


Figure 2.2 Radiological Environmental Monitoring Locations Between 4 & 12 Km of Seabrook Station

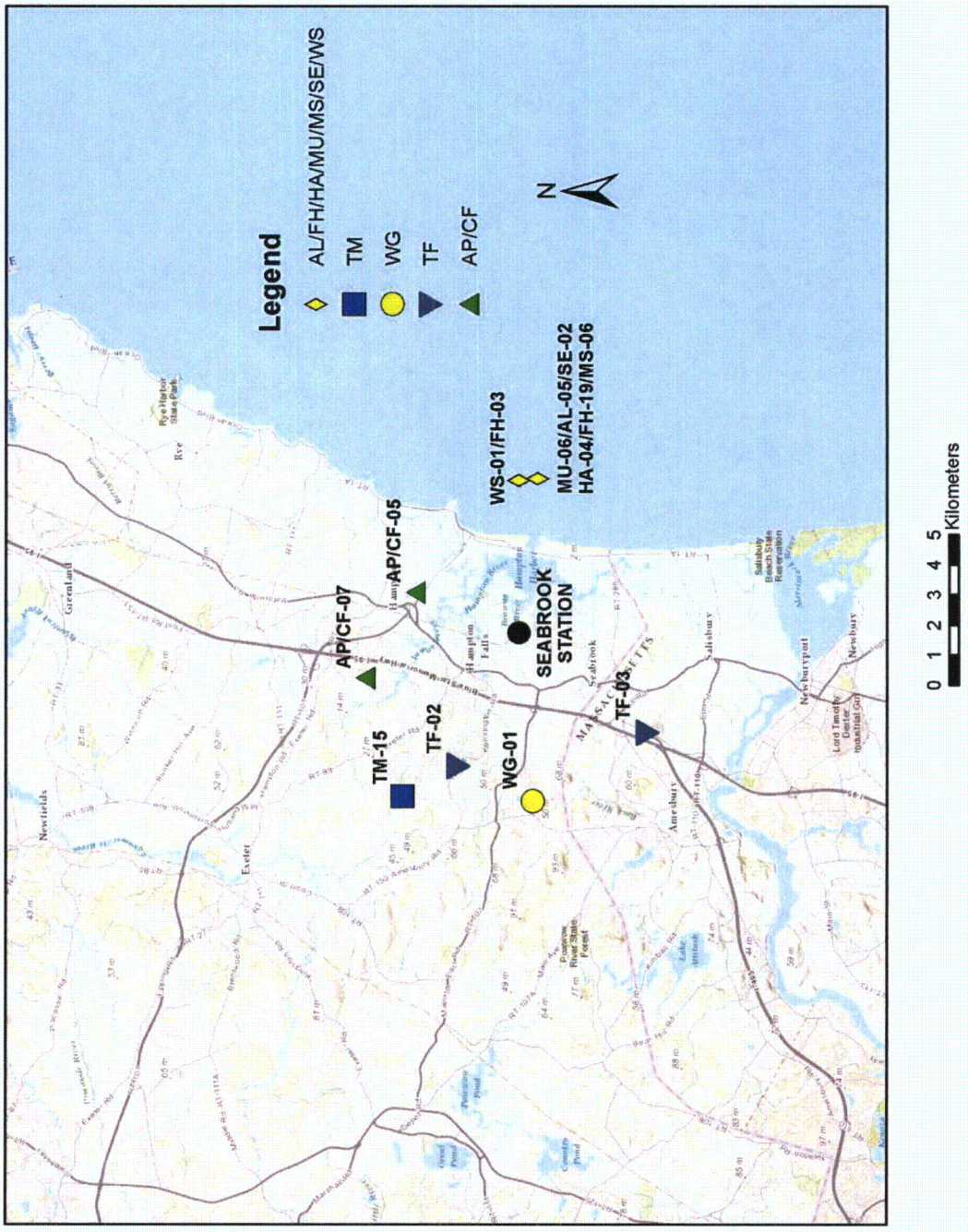


Figure 2.3 Radiological Environmental Monitoring Locations Outside 12 Km of Seabrook Station

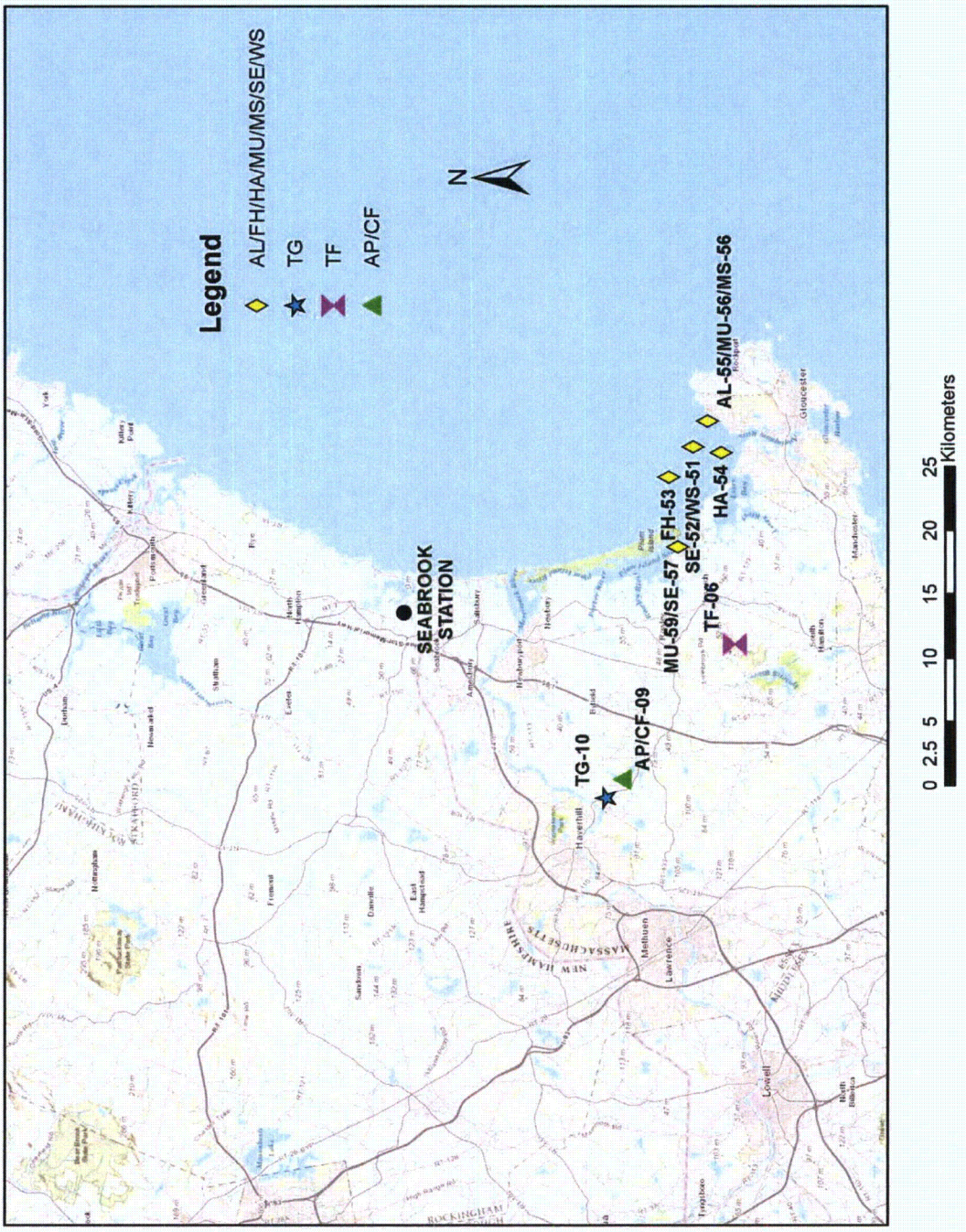


Figure 2.4 Direct Radiation Monitoring Locations Within 4 Km of Seabrook Station

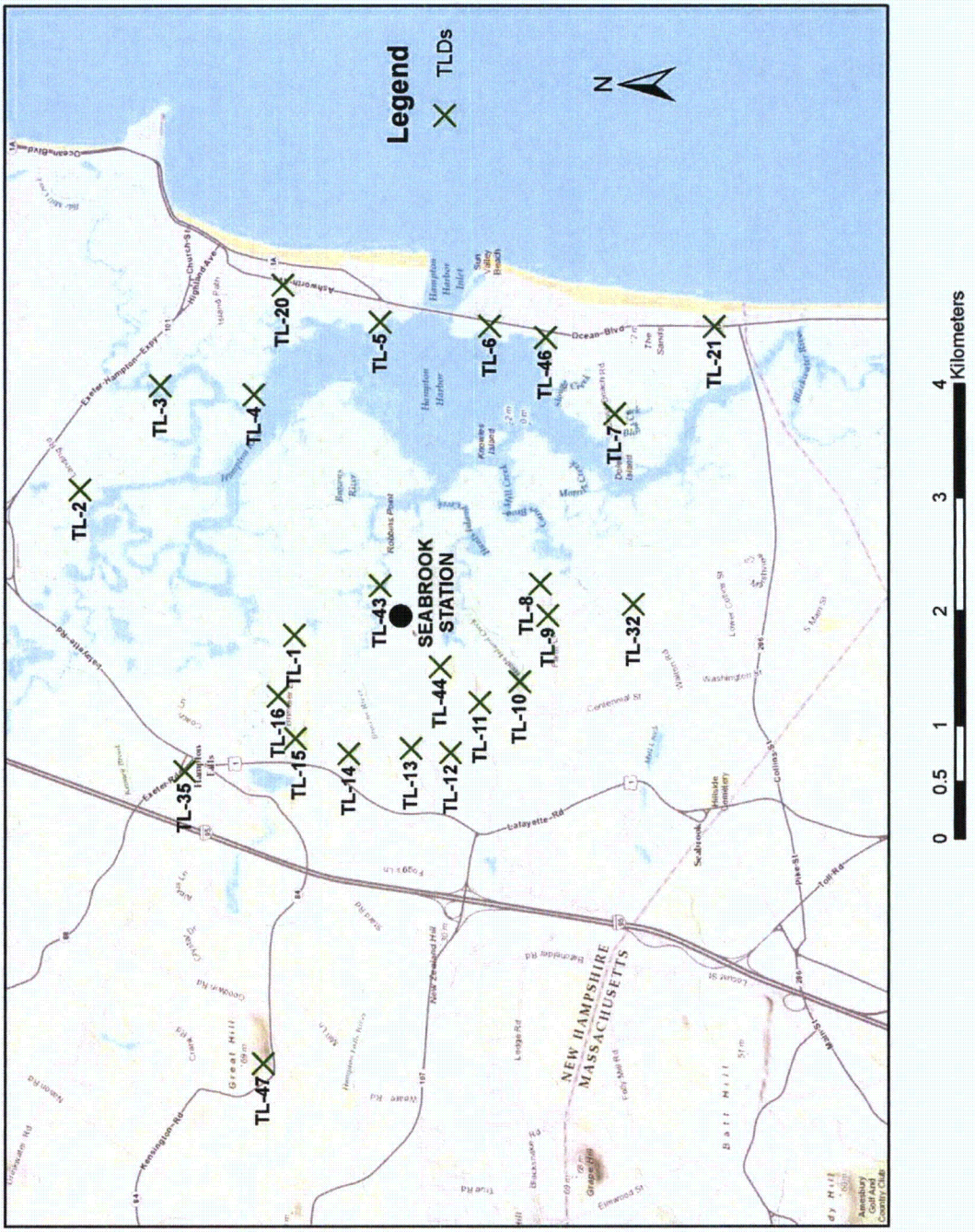


Figure 2.5 Direct Radiation Monitoring Locations Between 4 & 12 Km of Seabrook Station

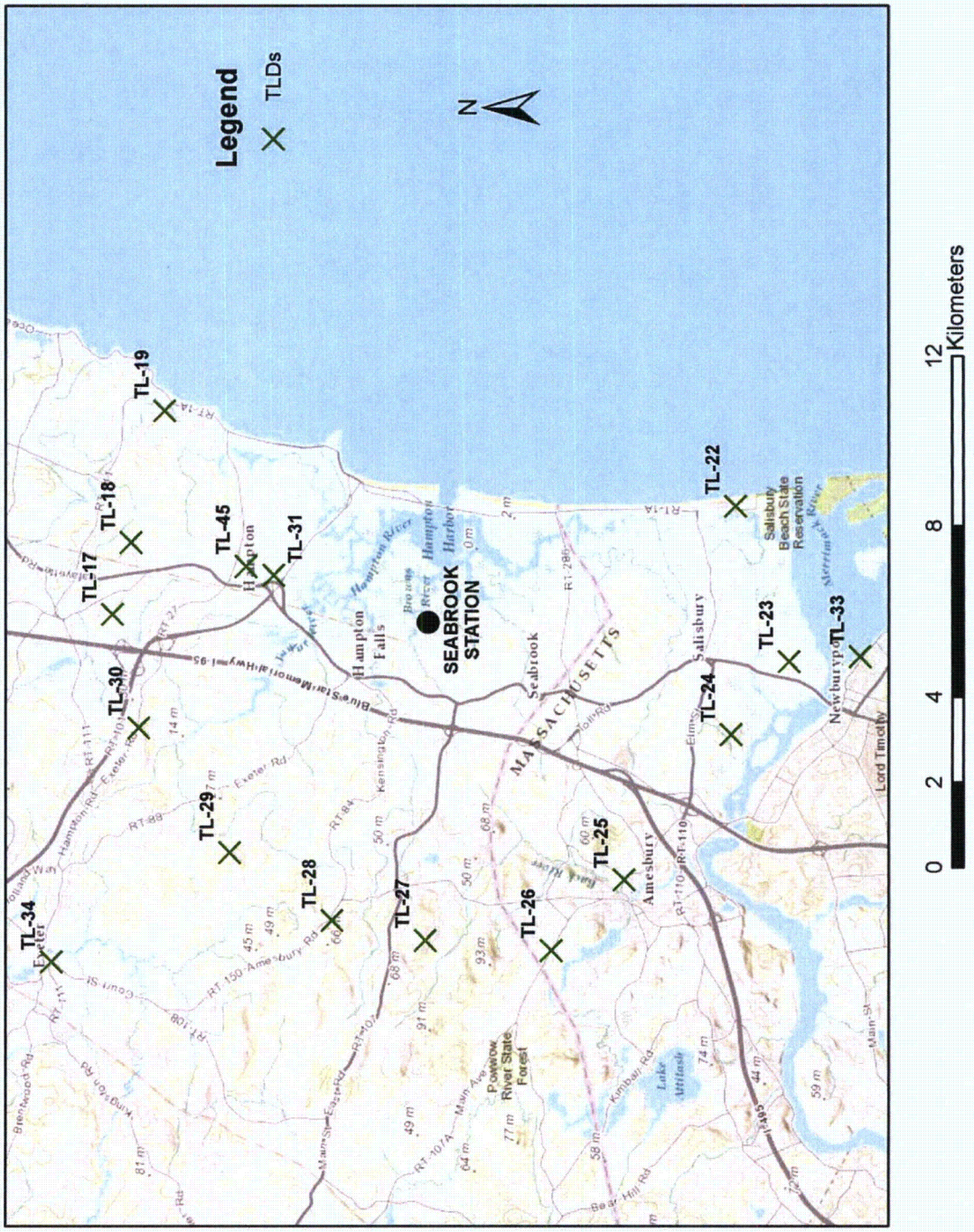
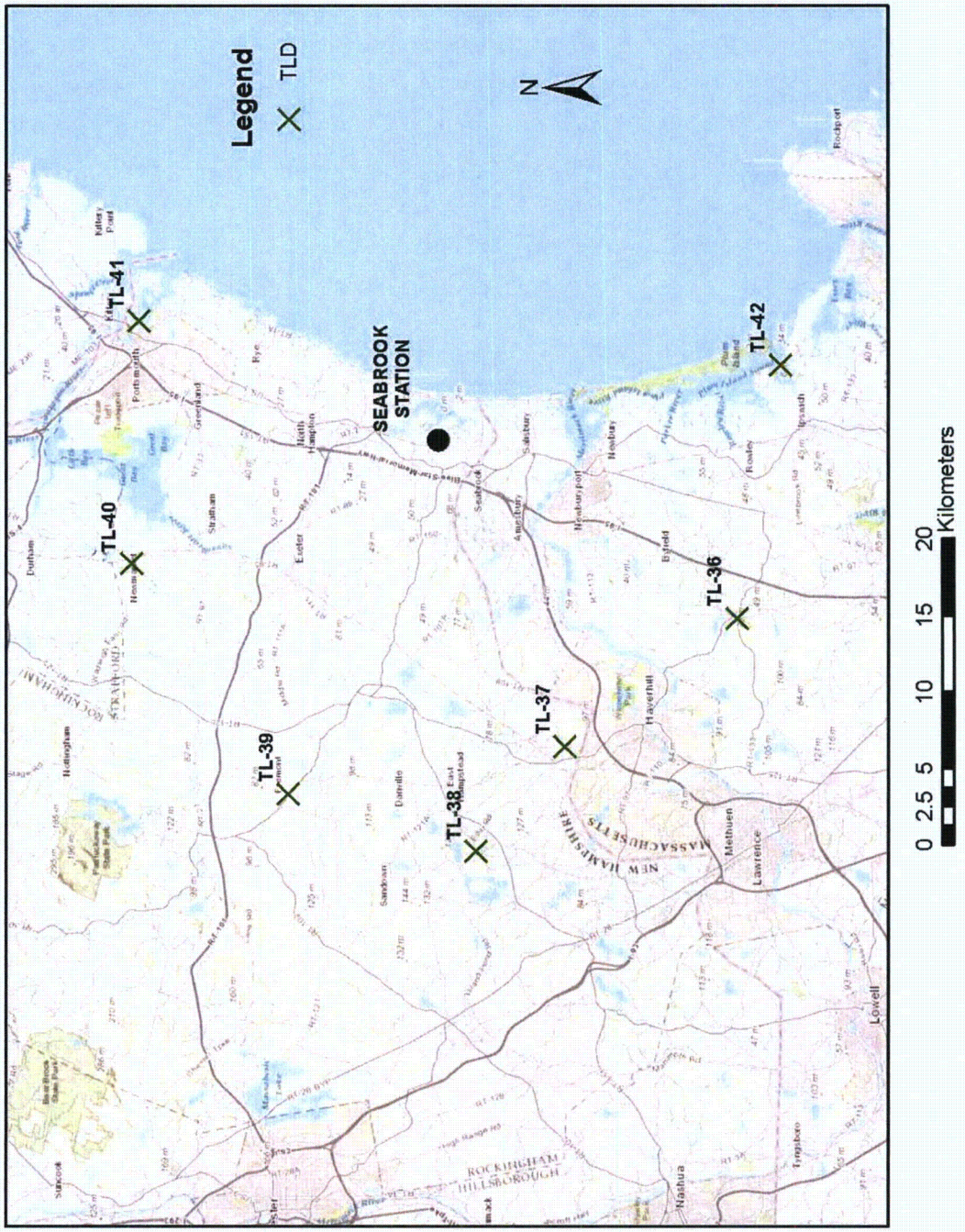


Figure 2.6 Direct Radiation Monitoring Locations Outside 12 Km of Seabrook Station



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 2013. 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, and (3) control stations. For each of the 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 radioactivity measurement 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 2013. The results are organized as follows: (1) by sample type; (2) within each sample type the data are alphabetical by nuclide; and (3) 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, five locations required by the ODCM, Table A.9.1-1, and three 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 particulates (AP) are collected by passing the air through a glass-fiber filter. In 2013, 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 Table 3.1-1) 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 cause 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. There were no recorded collection cycle reductions due to dust loading in 2013. For the year, 208 particulate filters were collected and analyzed for gross beta activity.

The 2013 gross beta activity analyses for the indicator locations were found to be statistically equivalent to that seen at the control station. The gross beta results are also similar to what was seen in the pre-operational program and for the last twenty-four years of commercial operation, with the exception of the Fukushima Daiichi related spike in 2011. All filter samples from all stations showed similar trends lines (see Figure 3.1) over the course of the year and from previous years (see Figures 3.1.1, 3.1.2, and 3.1.3). Figure 3.1.4 compares the quarterly average gross beta response of all indicator air sampling stations to the control location over the last 20 years, and shows no significant difference in the two data sets. It is also noted that no plant-related radionuclides (by gamma spectroscopy) were identified in any of the quarterly filter composite samples for 2013. The overall fluctuations at all stations seen in the gross beta activity throughout the year can be attributed to changes in 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.

Gamma isotopic analyses of particulate filters are summarized on Table 3.1-1. The only radionuclides detected were naturally occurring Be-7 which indicated positive in all air particulate samples, and K-40 which was positive in two samples. Be-7 is of cosmogenic origin, and its presence is consistent with previous years in both the pre-operational 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 since 2011 appear to reflect a step increase at the time of the transition between labs. 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 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

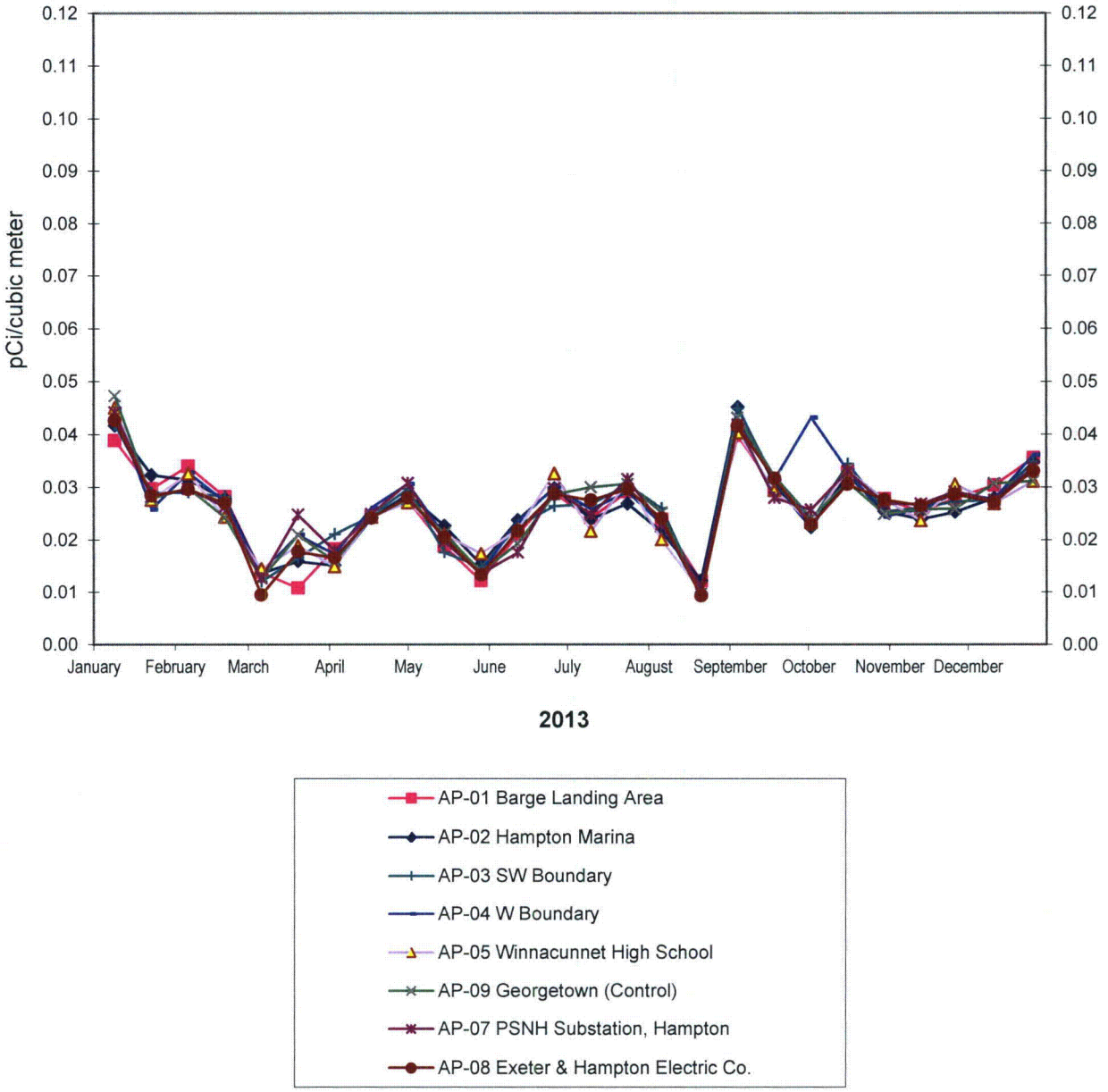


FIGURE 3.1.1

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

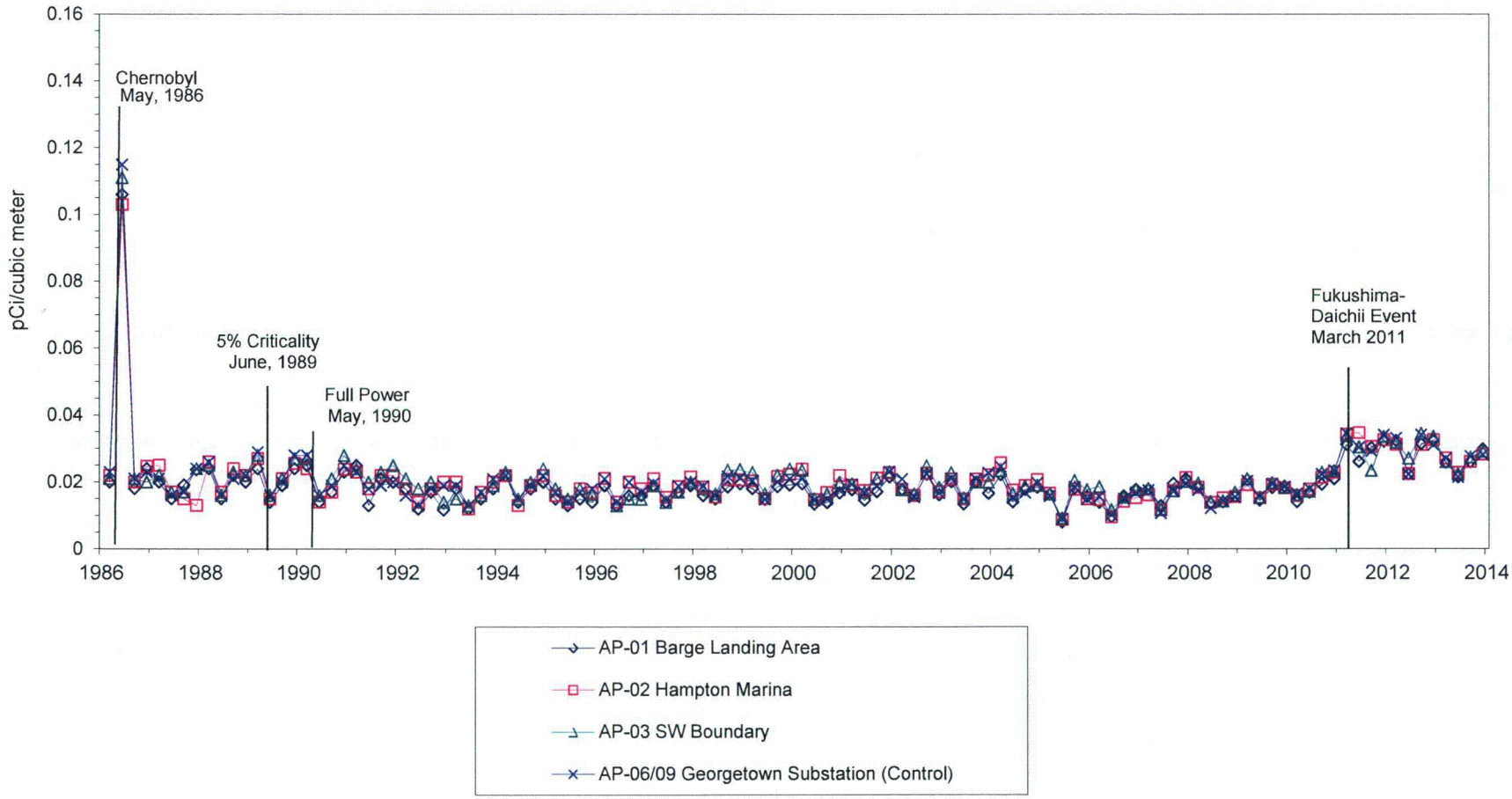


FIGURE 3.1.2

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

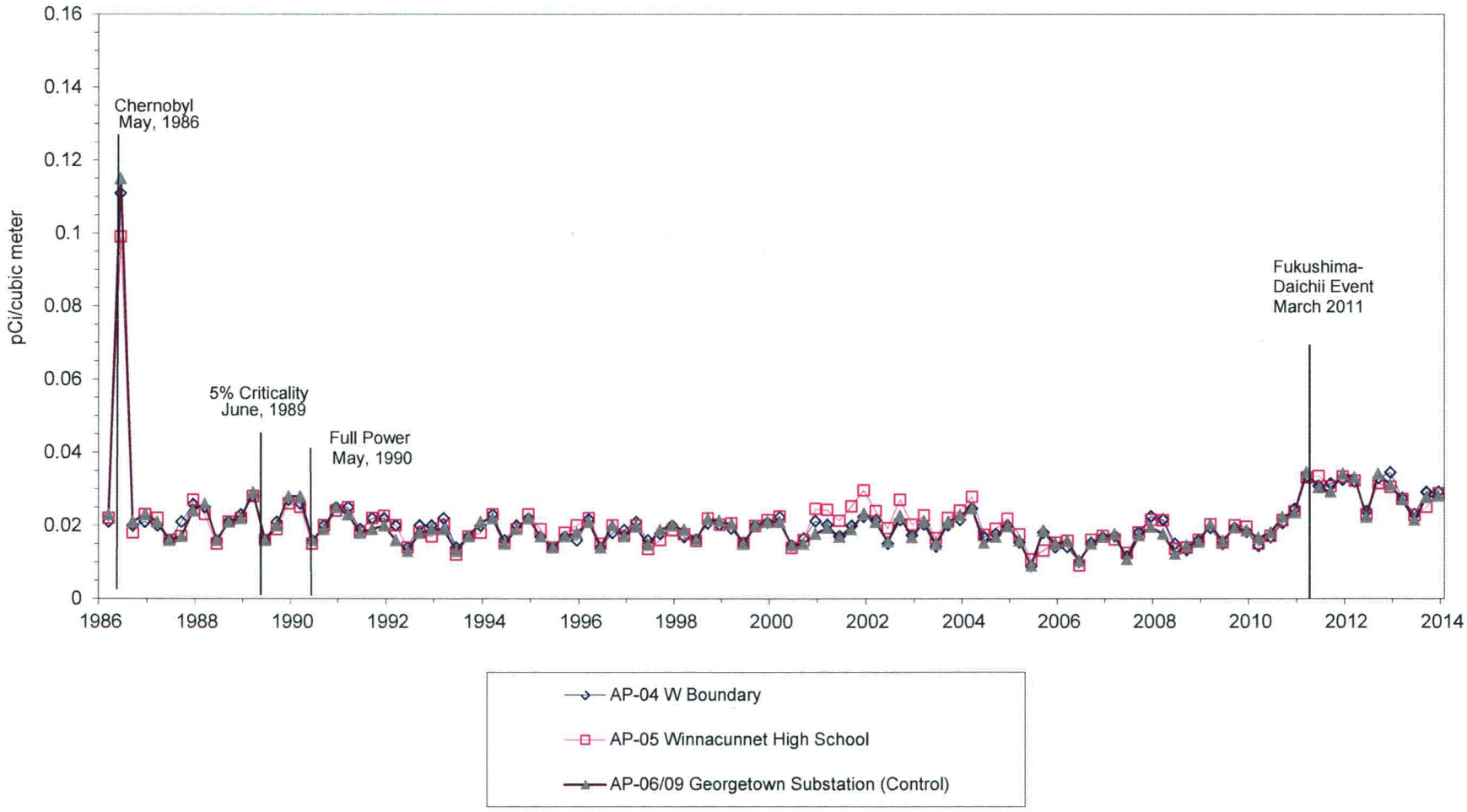


FIGURE 3.1.3

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

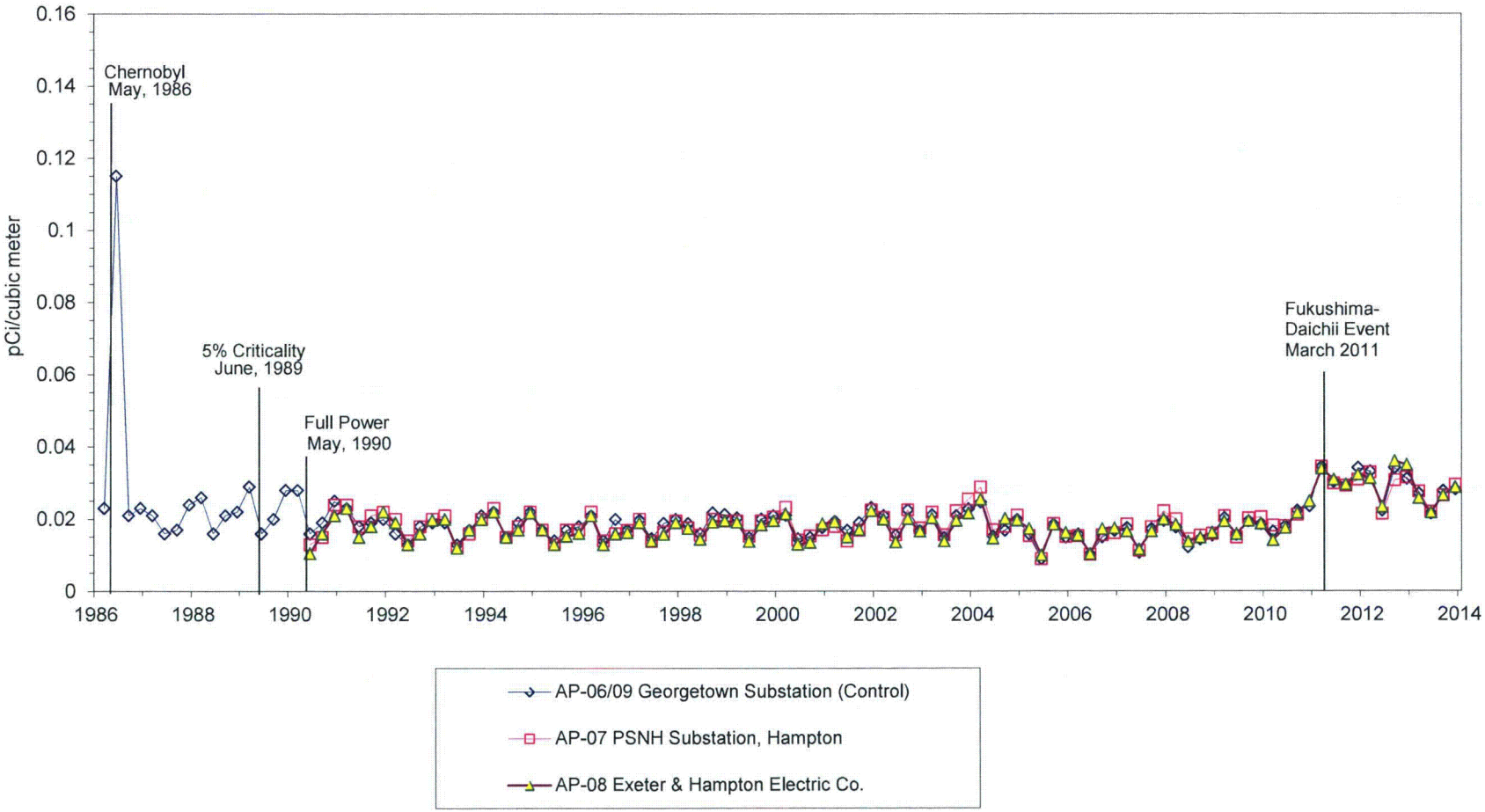


FIGURE 3.1.4

GROSS-BETA ON AIR PARTICULATE FILTERS
QUARTERLY AVERAGES
SEABROOK STATION

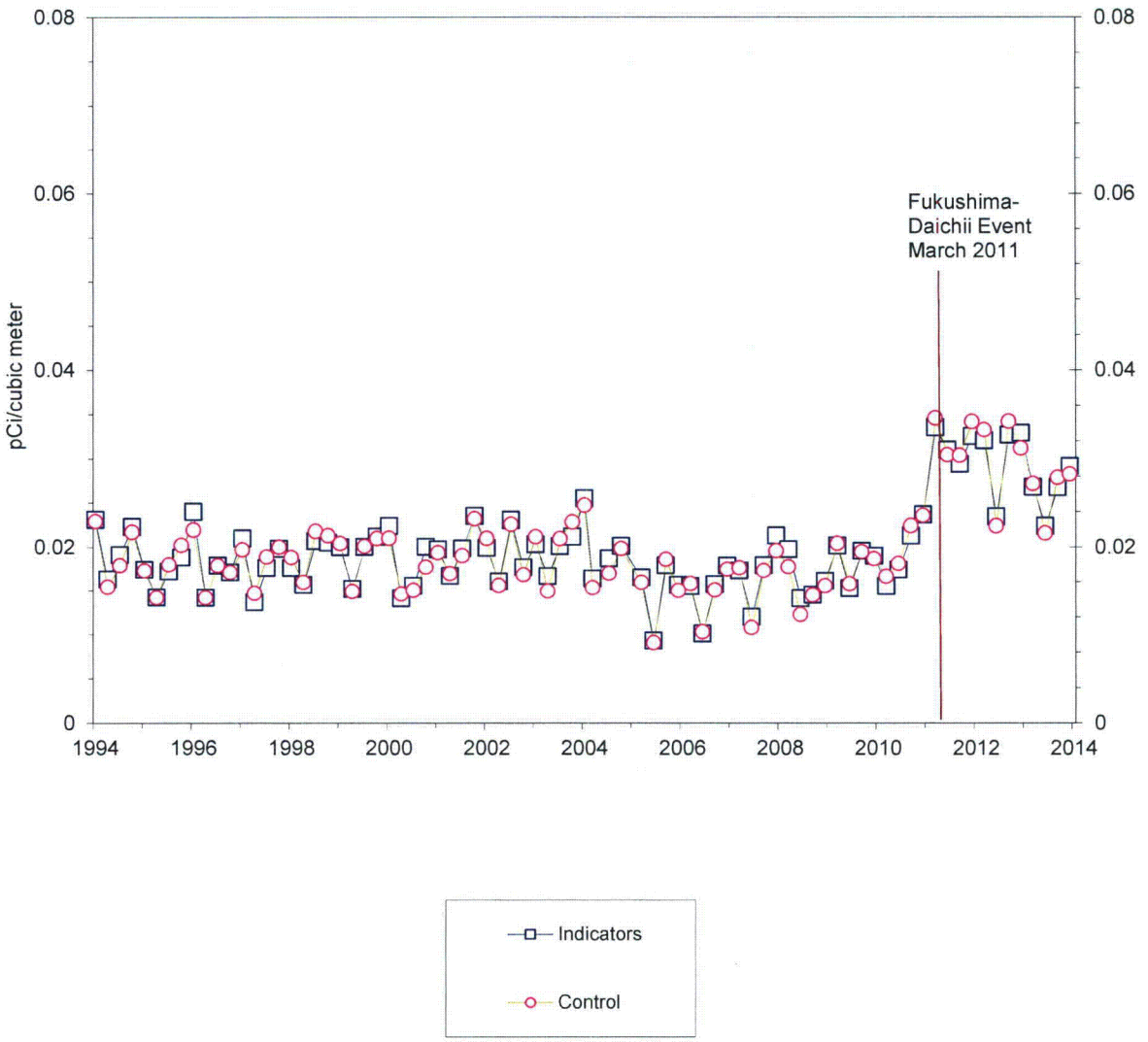


Table 3.1-1
Radiological Environmental Monitoring Program Summary
Seabrook Nuclear Power Station, Seabrook, NH
(January - December 2013)

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 (208) (0)	0.01	2.6E -2 (9.2 - 45.2)E -3 (182/ 182)	04	2.7E -2 (9.5 - 44.9)E -3 (26/ 26)	2.6E -2 (9.6 - 47.3)E -3 (26/ 26)
Be-7 (32) (0)		1.0E -1 (7.4 - 13.6)E -2 (28/ 28)	02	1.1E -1 (9.3 - 13.5)E -2 (4/ 4)	9.7E -2 (8.0 - 12.0)E -2 (4/ 4)
K-40 (32) (0)		1.7E -3 (-4.4 - 5.6)E -3 (2/ 28)	04	3.3E -3 (2.1 - 4.6)E -3 (2/ 4)	2.1E -3 (7.8 - 31.5)E -4 (0/ 4)
Cr-51 (32) (0)		-1.3E -3 (-1.7 - 1.1)E -2 (0/ 28)	09	1.1E -2 (7.0 - 16.1)E -3 (0/ 4)	1.1E -2 (7.0 - 16.1)E -3 (0/ 4)
Mn-54 (32) (0)		2.7E -5 (-2.9 - 6.1)E -4 (0/ 28)	07	1.9E -4 (-1.4 - 40.9)E -5 (0/ 4)	7.5E -5 (-1.7 - 2.5)E -4 (0/ 4)
Co-57 (32) (0)		1.9E -5 (-9.8 - 17.2)E -5 (0/ 28)	07	4.3E -5 (3.1 - 6.7)E -5 (0/ 4)	-6.2E -5 (-1.1 - 0.1)E -4 (0/ 4)
Co-58 (32) (0)		-2.7E -5 (-7.4 - 6.9)E -4 (0/ 28)	03	1.4E -4 (-1.4 - 6.2)E -4 (0/ 4)	7.0E -5 (-1.7 - 5.3)E -4 (0/ 4)
Fe-59 (32) (0)		-2.7E -4 (-2.3 - 4.0)E -3 (0/ 28)	08	4.9E -4 (-1.6 - 4.0)E -3 (0/ 4)	-6.4E -4 (-1.3 - 0.1)E -3 (0/ 4)
Co-60 (32) (0)		0.0E 0 (-2.1 - 2.5)E -4 (0/ 28)	08	7.1E -5 (-4.8 - 18.7)E -5 (0/ 4)	-6.7E -5 (-2.2 - 0.8)E -4 (0/ 4)
Zn-65 (31) (0)		-4.6E -5 (-1.0 - 1.5)E -3 (0/ 27)	03	4.1E -4 (1.9 - 7.7)E -4 (0/ 4)	-3.0E -5 (-4.5 - 4.5)E -4 (0/ 4)
Se-75 (32) (0)		2.5E -5 (-6.6 - 6.1)E -4 (0/ 28)	03	1.3E -4 (-9.9 - 51.0)E -5 (0/ 4)	5.4E -5 (-7.4 - 21.6)E -5 (0/ 4)
Nb-95 (32) (0)		1.4E -4 (-9.5 - 7.2)E -4 (0/ 28)	07	4.2E -4 (2.5 - 7.2)E -4 (0/ 4)	2.9E -4 (1.2 - 3.9)E -4 (0/ 4)
Zr-95 (32) (0)		1.1E -4 (-8.8 - 16.3)E -4 (0/ 28)	03	6.8E -4 (-4.7 - 16.3)E -4 (0/ 4)	3.4E -4 (-3.0 - 6.4)E -4 (0/ 4)
Ru-103 (32) (0)		-8.9E -5 (-1.3 - 2.2)E -3 (0/ 28)	08	7.3E -4 (-3.0 - 21.8)E -4 (0/ 4)	-1.9E -4 (-1.0 - 0.6)E -3 (0/ 4)
Ru-106 (32) (0)		-7.0E -5 (-3.0 - 3.3)E -3 (0/ 28)	04	1.3E -3 (5.8 - 22.6)E -4 (0/ 4)	5.5E -4 (5.1 - 1350.0)E -6 (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 2013)

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**)
Ag-108m (32) (0)		0.0E 0 (-1.3 - 1.2)E -4 (0/ 28)	09	1.3E -4 (6.0 - 281.0)E -6 (0/ 4)	1.3E -4 (6.0 - 281.0)E -6 (0/ 4)
Ag-110m (32) (0)		-4.5E -5 (-6.9 - 3.3)E -4 (0/ 28)	09	9.7E -5 (-2.1 - 27.6)E -5 (0/ 4)	9.7E -5 (-2.1 - 27.6)E -5 (0/ 4)
Sb-124 (33) (0)		-1.0E -4 (-2.4 - 2.4)E -3 (0/ 29)	04	4.1E -4 (-9.8 - 15.6)E -4 (0/ 4)	3.1E -4 (1.5 - 43.5)E -5 (0/ 4)
Sb-125 (32) (0)		1.4E -4 (-5.0 - 7.8)E -4 (0/ 28)	05	3.3E -4 (-1.0 - 7.8)E -4 (0/ 4)	8.7E -5 (-1.8 - 4.1)E -4 (0/ 4)
I-131 (40) (0)		-1.4E -1 (-1.9 - 0.1)E 0 (0/ 35)	09	1.0E -2 (-1.4 - 1.9)E -1 (0/ 5)	1.0E -2 (-1.4 - 1.9)E -1 (0/ 5)
Cs-134 (32) (0)	0.05	1.4E -5 (-2.7 - 4.6)E -4 (0/ 28)	04	1.3E -4 (-9.7 - 46.2)E -5 (0/ 4)	3.6E -5 (-2.9 - 2.0)E -4 (0/ 4)
Cs-137 (32) (0)	0.06	-2.2E -5 (-3.7 - 2.5)E -4 (0/ 28)	04	6.2E -5 (2.8 - 15.4)E -5 (0/ 4)	4.3E -5 (-1.9 - 2.9)E -4 (0/ 4)
Ba-140 (32) (0)		-1.0E -2 (-6.0 - 3.1)E -1 (0/ 28)	03	9.9E -2 (1.4 - 30.6)E -2 (0/ 4)	1.6E -2 (-1.6 - 4.2)E -2 (0/ 4)
La-140 (32) (0)		-1.0E -2 (-1.2 - 0.4)E -1 (0/ 28)	09	2.6E -2 (-5.2 - 85.7)E -3 (0/ 4)	2.6E -2 (-5.2 - 85.7)E -3 (0/ 4)
Ce-141 (32) (0)		1.6E -4 (-3.1 - 1.5)E -3 (0/ 28)	07	4.9E -4 (-6.6 - 83.2)E -5 (0/ 4)	-9.4E -4 (-1.8 - -0.2)E -3 (0/ 4)
Ce-144 (32) (0)		5.5E -5 (-1.3 - 0.9)E -3 (0/ 28)	04	4.4E -4 (1.0 - 6.3)E -4 (0/ 4)	0.0E 0 (-6.9 - 2.5)E -4 (0/ 4)
Ac-228 (32) (0)		1.1E -4 (-1.7 - 1.6)E -3 (0/ 28)	05	5.8E -4 (3.3 - 10.3)E -4 (0/ 4)	3.4E -4 (-3.6 - 12.9)E -4 (0/ 4)
Th-228 (32) (0)		2.5E -4 (-7.5 - 6.7)E -4 (0/ 28)	03	3.4E -4 (1.1 - 6.7)E -4 (0/ 4)	2.7E -4 (7.1 - 39.3)E -5 (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 placed 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 2013, a total of 208 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 biweekly during 2013. Off-normal conditions, such as observed high differential pressure across the associated particulate filter (none detected in 2013) which might be indicative of excessive dust loading, could prompt switching to a temporary weekly cycle (see Section 3.1).

No sample analyses indicated a detectable level for I-131 that was statistically relevant (positive) at any of the air sampling locations during the year. Figure 3.2 shows the I-131 measurement responses in 2013 for all air sampling stations. All analyses were below their respective measurement minimum detectable concentrations (MDC).

From initial criticality in June 1989 to the Fukushima Daiichi accident in March 2011, the Seabrook REMP program had not detected I-131 at any offsite air sample locations. Following the March – April, 2011 air concentration spikes of I-131 related to the Fukushima Daiichi accident releases, no detectable I-131 has been observed. The pre-operational data for I-131 are consistent with present (2013) data. Therefore, there are no increasing or decreasing trends related to Seabrook Station operations for airborne I-131. The potential organ doses from I-131 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 2013)

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

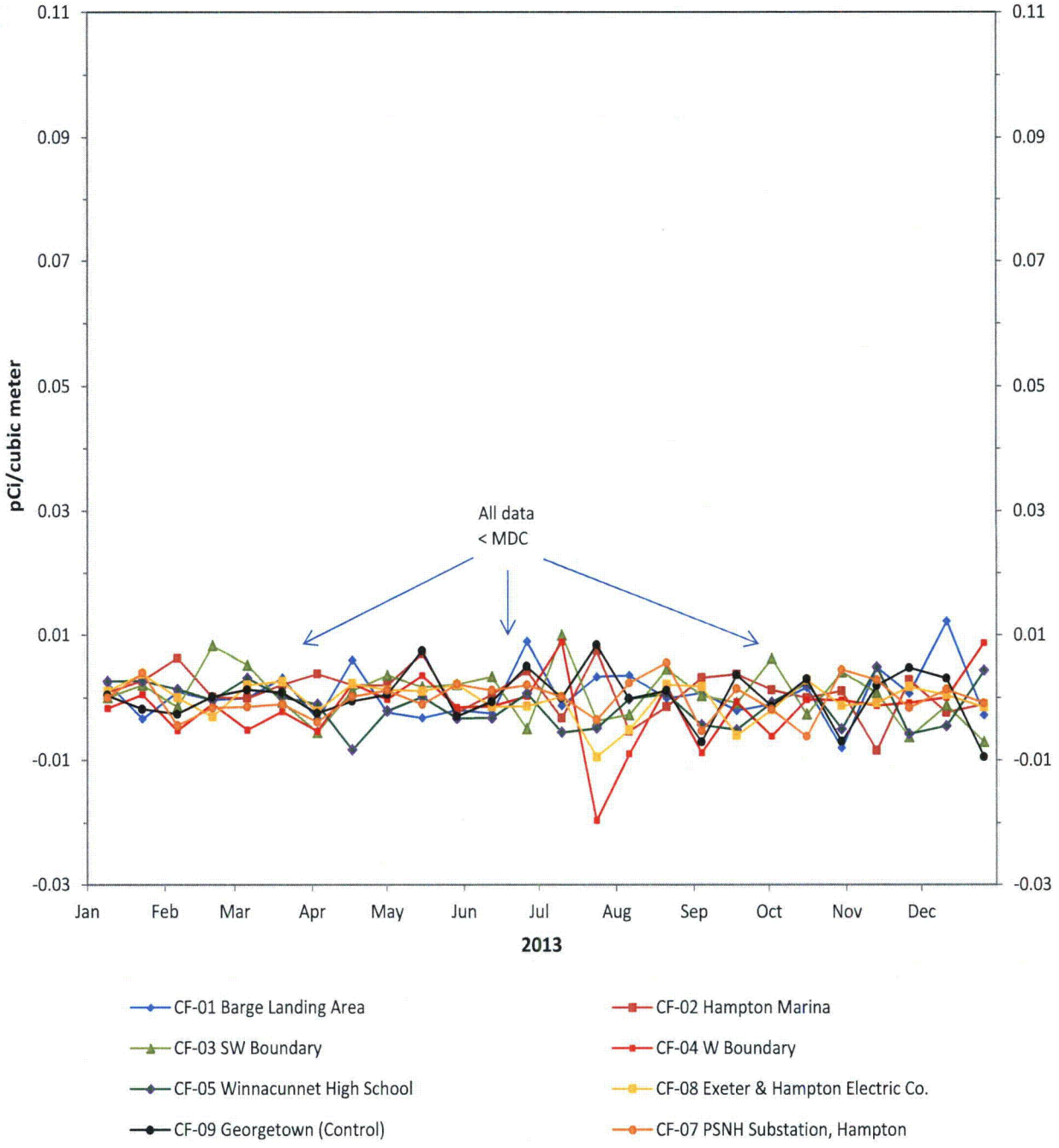
Radionuclides (No. Analyses) (Non-Routine*)		Required LLD	Indicator Stations Mean Range (No. Detected**)	Station With Highest Mean Station	Mean Range (No. Detected**)	Control Stations Mean Range (No. Detected**)
I-131	(208)	0.07	-2.0E -4	02	1.0E -3	1.9E -4
	(0)		(-2.0 - 1.2)E -2		(-8.5 - 7.5)E -3	(-9.5 - 8.4)E -3
			(0/ 182)		(0/ 26)	(0/ 26)

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

FIGURE 3.2

I-131 MEASUREMENTS OF AIR CHARCOAL CARTRIDGES

SEABROOK STATION



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 is required 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 2013 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 [designated TM-15] between 5 and 8 km). The ODCM allows for broad leaf vegetation samples to be collected if milk sampling cannot be performed in accordance to the REMP requirements. As a result, two site boundary locations and one control vegetation location are sampled to compensate for the limited milk availability (see Section 3.12).

The Land Use Census also documented that one milk location situated 8.1 km, NNE (TM-24) which had been part of the REMP sample program no longer has milking goats and had to be dropped from the sampling schedule (no milk collected in 2013).

A total of 18 milk samples were collected during the year from one available location. 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 K-40 was detectable in all milk samples. Natural occurring Ac-228 was detected in one sample. Also detected in 14 milk samples was Cs-137 at an average concentration of 5.80 pCi/kg (positive measurements only) which falls in the range of past and pre-operational measurements. The highest single Cs-137 analysis result in 2013 was 12.4 pCi/kg. Though the Fukushima Daiichi event in March 2011 may have contributed to the Cs-137 levels observed in milk in 2013, Cs-137 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 currently observed values in milk. There was no detectable Cs-137 reported in plant gaseous effluents during 2013 or the 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 detectable concentrations) for Cs-137 in milk over the current period (2013) and previous years.

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 REMP Summary Table 3.3-1 lists the range of analysis results by radionuclide for the Indicator station (Historical Control Stations for the milk have ceased operations). 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

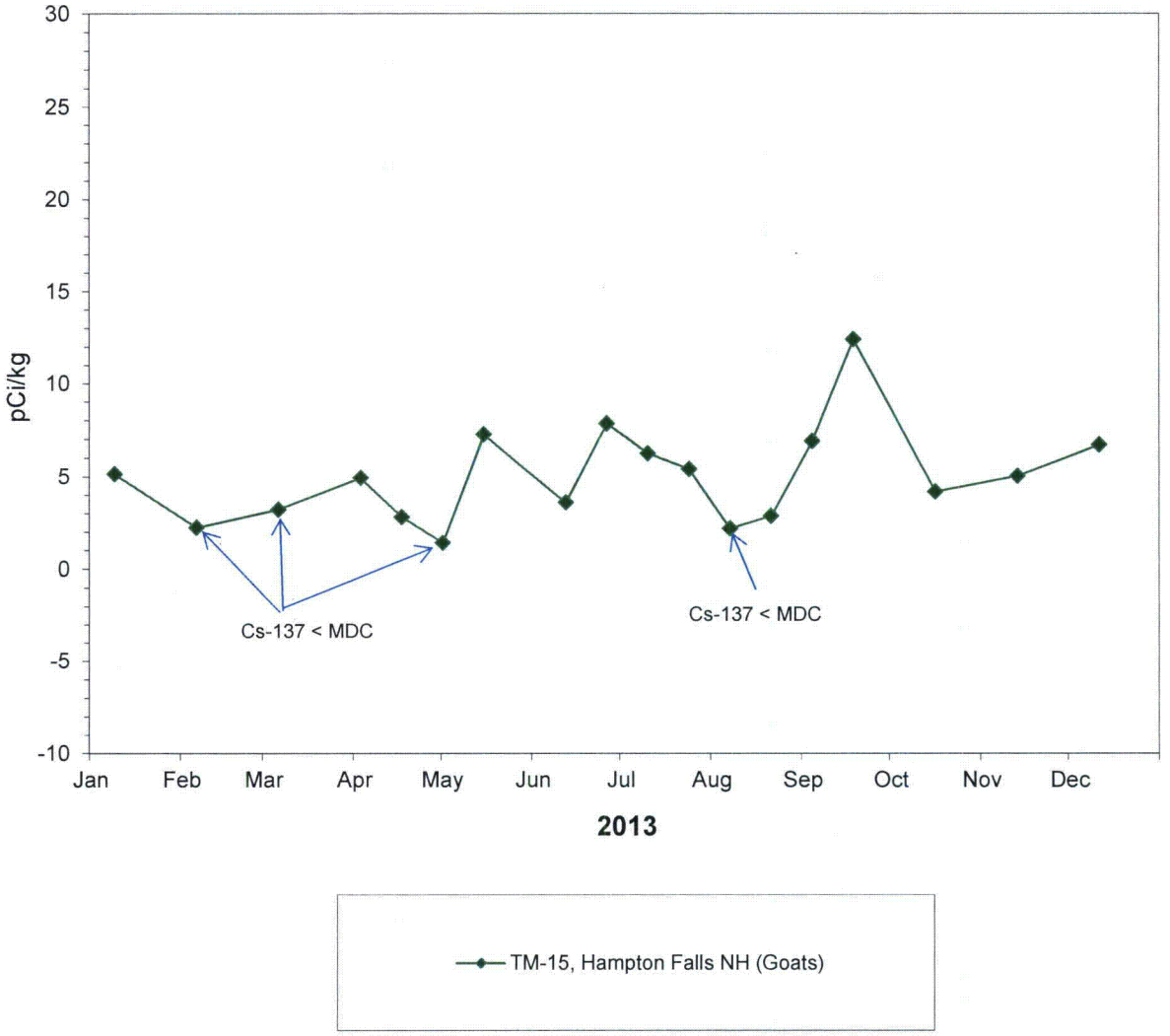


FIGURE 3.3.1

CESIUM-137 IN MILK
ANNUAL AVERAGE CONCENTRATIONS

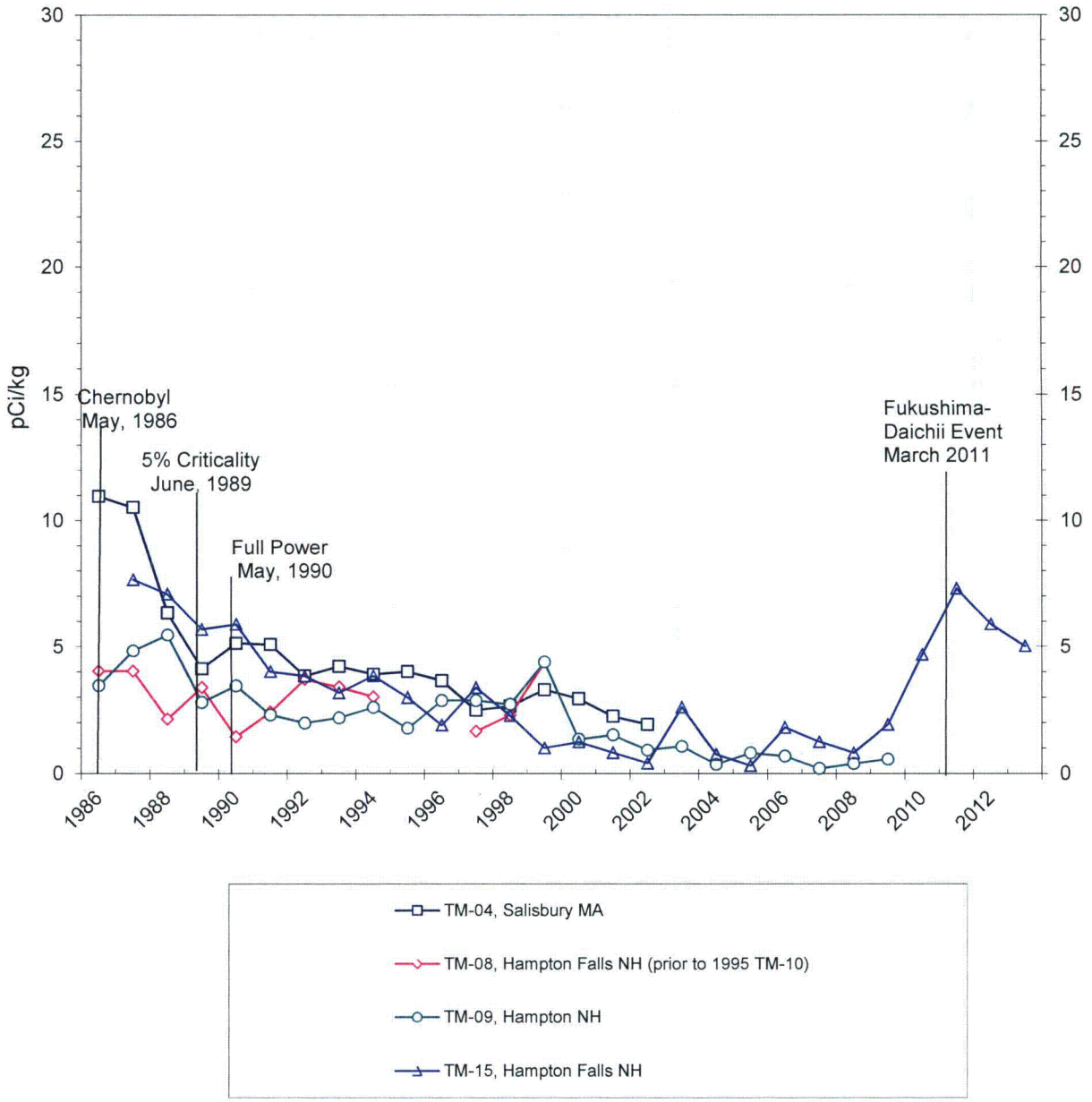


FIGURE 3.3.2

CESIUM-137 IN MILK
ANNUAL AVERAGE CONCENTRATIONS

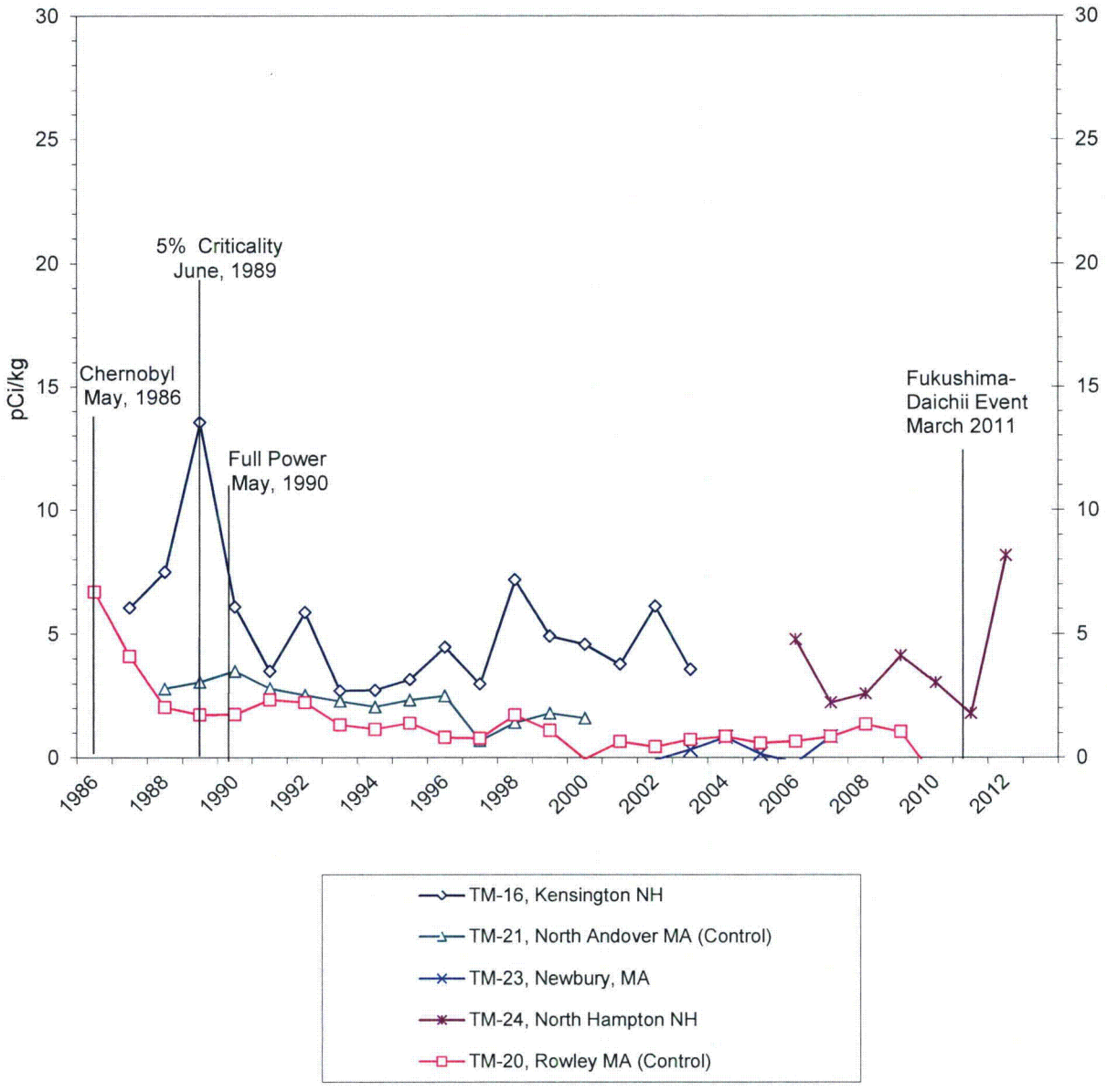


Table 3.3-1
Radiological Environmental Monitoring Program Summary
Seabrook Nuclear Power Station, Seabrook, NH
(January - December 2013)

MEDIUM: Milk (TM) UNITS: pCi/kg

Radionuclides (No. Analyses) (Non-Routine*)	Required LLD	Indicator Stations Mean Range (No. Detected**)	Station With Highest Mean Station	Station With Highest Mean Mean Range (No. Detected**)	Control Stations Mean Range (No. Detected**)
Be-7 (18) (0)		-2.1E 0 (-8.4 - 5.2)E 0 (0/ 18)	15	-2.1E 0 (-8.4 - 5.2)E 0 (0/ 18)	NO DATA
K-40 (18) (0)		1.6E 3 (1.1 - 1.8)E 3 (18/ 18)	15	1.6E 3 (1.1 - 1.8)E 3 (18/ 18)	NO DATA
Cr-51 (18) (0)		9.5E -1 (-1.4 - 2.2)E 1 (0/ 18)	15	9.5E -1 (-1.4 - 2.2)E 1 (0/ 18)	NO DATA
Mn-54 (18) (0)		-5.0E -2 (-1.1 - 1.5)E 0 (0/ 18)	15	-5.0E -2 (-1.1 - 1.5)E 0 (0/ 18)	NO DATA
Co-57 (18) (0)		5.9E -3 (-2.7 - 1.3)E 0 (0/ 18)	15	5.9E -3 (-2.7 - 1.3)E 0 (0/ 18)	NO DATA
Co-58 (18) (0)		-1.0E -1 (-1.4 - 1.2)E 0 (0/ 18)	15	-1.0E -1 (-1.4 - 1.2)E 0 (0/ 18)	NO DATA
Fe-59 (18) (0)		5.5E -1 (-3.1 - 9.0)E 0 (0/ 18)	15	5.5E -1 (-3.1 - 9.0)E 0 (0/ 18)	NO DATA
Co-60 (18) (0)		-7.1E -2 (-3.2 - 1.9)E 0 (0/ 18)	15	-7.1E -2 (-3.2 - 1.9)E 0 (0/ 18)	NO DATA
Zn-65 (18) (0)		-5.1E -1 (-4.3 - 6.4)E 0 (0/ 18)	15	-5.1E -1 (-4.3 - 6.4)E 0 (0/ 18)	NO DATA
Se-75 (18) (0)		6.3E -1 (-1.9 - 6.6)E 0 (0/ 18)	15	6.3E -1 (-1.9 - 6.6)E 0 (0/ 18)	NO DATA
Nb-95 (18) (0)		6.1E -1 (-1.5 - 2.3)E 0 (0/ 18)	15	6.1E -1 (-1.5 - 2.3)E 0 (0/ 18)	NO DATA
Zr-95 (18) (0)		-2.1E -1 (-1.1 - 0.3)E 1 (0/ 18)	15	-2.1E -1 (-1.1 - 0.3)E 1 (0/ 18)	NO DATA
Ru-103 (18) (0)		-5.0E -1 (-1.7 - 0.8)E 0 (0/ 18)	15	-5.0E -1 (-1.7 - 0.8)E 0 (0/ 18)	NO DATA
Ru-106 (18) (0)		-3.2E 0 (-1.7 - 0.6)E 1 (0/ 18)	15	-3.2E 0 (-1.7 - 0.6)E 1 (0/ 18)	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 2013)

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**)
Ag-108m	(18)		-4.6E -2	15	-4.6E -2	NO DATA
	(0)		(-2.3 - 1.9)E 0		(-2.3 - 1.9)E 0	
			(0/ 18)		(0/ 18)	
Ag-110m	(18)		7.9E -2	15	7.9E -2	NO DATA
	(0)		(-1.3 - 1.6)E 0		(-1.3 - 1.6)E 0	
			(0/ 18)		(0/ 18)	
Sb-124	(18)		-8.6E -1	15	-8.6E -1	NO DATA
	(0)		(-1.0 - 0.1)E 1		(-1.0 - 0.1)E 1	
			(0/ 18)		(0/ 18)	
Sb-125	(18)		-2.2E -1	15	-2.2E -1	NO DATA
	(0)		(-5.9 - 3.2)E 0		(-5.9 - 3.2)E 0	
			(0/ 18)		(0/ 18)	
I-131	(18)	1	6.8E -2	15	6.8E -2	NO DATA
	(0)		(-1.4 - 4.2)E -1		(-1.4 - 4.2)E -1	
			(0/ 18)		(0/ 18)	
Cs-134	(18)	15	-6.9E -2	15	-6.9E -2	NO DATA
	(0)		(-3.3 - 1.4)E 0		(-3.3 - 1.4)E 0	
			(0/ 18)		(0/ 18)	
Cs-137	(18)	18	5.0E 0	15	5.0E 0	NO DATA
	(0)		(1.4 - 12.4)E 0		(1.4 - 12.4)E 0	
			(14/ 18)		(14/ 18)	
Ba-140	(18)	15	3.3E -2	15	3.3E -2	NO DATA
	(0)		(-3.6 - 2.8)E 0		(-3.6 - 2.8)E 0	
			(0/ 18)		(0/ 18)	
La-140	(18)	15	3.3E -2	15	3.3E -2	NO DATA
	(0)		(-3.6 - 2.8)E 0		(-3.6 - 2.8)E 0	
			(0/ 18)		(0/ 18)	
Ce-141	(18)		4.3E -1	15	4.3E -1	NO DATA
	(0)		(-4.3 - 4.9)E 0		(-4.3 - 4.9)E 0	
			(0/ 18)		(0/ 18)	
Ce-144	(18)		3.3E 0	15	3.3E 0	NO DATA
	(0)		(-7.6 - 17.9)E 0		(-7.6 - 17.9)E 0	
			(0/ 18)		(0/ 18)	
Ac-228	(18)		8.4E -1	15	8.4E -1	NO DATA
	(0)		(-6.7 - 20.6)E 0		(-6.7 - 20.6)E 0	
			(1/ 18)		(1/ 18)	
Th-228	(18)		1.0E 0	15	1.0E 0	NO DATA
	(0)		(-5.4 - 7.0)E 0		(-5.4 - 7.0)E 0	
			(0/ 18)		(0/ 18)	

* 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 26.2 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 2013, a total of 26 gamma analyses were performed on surface water samples. The only radionuclide detected 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 2013, 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 366 pCi/kg, while the marsh area samples from WS-02 had an average MDC of 536 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 2013)

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) (0)	3000	-7.5E 1 (-1.5 - -0.1)E 2 (0/ 6)	51	-1.3E 1 (-1.3 - 0.9)E 2 (0/ 4)	-1.3E 1 (-1.3 - 0.9)E 2 (0/ 4)
Be-7 (26) (0)		2.4E 0 (-1.0 - 1.8)E 1 (0/ 14)	01	2.6E 0 (-1.0 - 1.8)E 1 (0/ 12)	4.5E -1 (-5.7 - 8.5)E 0 (0/ 12)
K-40 (26) (0)		3.1E 2 (1.9 - 3.5)E 2 (12/ 14)	01	3.2E 2 (2.9 - 3.5)E 2 (10/ 12)	3.0E 2 (2.3 - 3.5)E 2 (11/ 12)
Cr-51 (26) (0)		-3.0E 0 (-1.3 - 0.4)E 1 (0/ 14)	51	-7.4E -1 (-6.4 - 7.1)E 0 (0/ 12)	-7.4E -1 (-6.4 - 7.1)E 0 (0/ 12)
Mn-54 (26) (0)	15	-5.7E -2 (-5.2 - 3.8)E -1 (0/ 14)	01	-4.3E -2 (-5.2 - 3.8)E -1 (0/ 12)	-1.4E -1 (-1.1 - 2.6)E 0 (0/ 12)
Co-57 (26) (0)		5.4E -2 (-8.1 - 7.9)E -1 (0/ 14)	02	5.9E -1 (4.0 - 7.8)E -1 (0/ 2)	3.6E -1 (-8.8 - 13.6)E -1 (0/ 12)
Co-58 (26) (0)	15	-2.0E -1 (-1.3 - 0.8)E 0 (0/ 14)	01	-1.7E -1 (-1.3 - 0.8)E 0 (0/ 12)	-3.3E -1 (-1.1 - 0.3)E 0 (0/ 12)
Fe-59 (26) (0)	30	-6.1E -1 (-3.5 - 3.1)E 0 (0/ 14)	01	-5.1E -1 (-3.5 - 3.1)E 0 (0/ 12)	-6.7E -1 (-3.2 - 3.8)E 0 (0/ 12)
Co-60 (26) (0)	15	2.4E -1 (-7.9 - 12.3)E -1 (0/ 14)	02	8.0E -1 (3.6 - 12.3)E -1 (0/ 2)	-9.2E -2 (-2.3 - 0.9)E 0 (0/ 12)
Zn-65 (26) (0)	30	2.3E -1 (-1.7 - 1.9)E 0 (0/ 14)	01	5.2E -1 (-1.7 - 1.9)E 0 (0/ 12)	-5.7E -1 (-3.1 - 0.9)E 0 (0/ 12)
Se-75 (26) (0)		2.4E -1 (-1.1 - 5.0)E 0 (0/ 14)	02	5.0E -1 (-4.5 - 14.5)E -1 (0/ 2)	2.6E -1 (-1.2 - 2.0)E 0 (0/ 12)
Nb-95 (26) (0)	15	1.1E -1 (-2.0 - 1.1)E 0 (0/ 14)	02	6.1E -1 (1.8 - 10.4)E -1 (0/ 2)	2.3E -1 (-2.2 - 1.0)E 0 (0/ 12)
Zr-95 (26) (0)	15	-9.4E -1 (-5.8 - 1.1)E 0 (0/ 14)	51	3.3E -1 (-1.7 - 1.9)E 0 (0/ 12)	3.3E -1 (-1.7 - 1.9)E 0 (0/ 12)

* Non-Routine refers to those radionuclides that exceeded the Reporting Levels in ODCM Table A.9.1-3.
** The fraction of detectable measurements (i.e., > 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 2013)

MEDIUM: Sea Water (WS) UNITS: pCi/kg

Radionuclides (No. Analyses) (Non-Routine*)	Required LLD	Indicator Stations: Mean Range (No. Detected**)	Station With Highest Mean: Station	Station With Highest Mean: Mean Range (No. Detected**)	Control Stations: Mean Range (No. Detected**)
Ru-103 (26) (0)		-7.4E -2 (-1.4 - 1.3)E 0 (0/ 14)	01	2.5E -2 (-1.4 - 1.3)E 0 (0/ 12)	-5.2E -1 (-2.0 - 0.4)E 0 (0/ 12)
Ru-106 (26) (0)		-1.3E 0 (-1.1 - 0.8)E 1 (0/ 14)	02	4.4E 0 (3.9 - 4.9)E 0 (0/ 2)	-3.3E -1 (-2.7 - 0.7)E 1 (0/ 12)
Ag-108m (26) (0)		6.1E -2 (-4.5 - 12.8)E -1 (0/ 14)	01	8.9E -2 (-4.5 - 12.8)E -1 (0/ 12)	-7.4E -2 (-9.0 - 6.4)E -1 (0/ 12)
Ag-110m (26) (0)		-4.8E -1 (-3.0 - 0.4)E 0 (0/ 14)	02	-1.6E -1 (-2.7 - -0.4)E -1 (0/ 2)	-2.7E -1 (-2.8 - 3.2)E 0 (0/ 12)
Sb-124 (26) (0)		-3.6E -1 (-3.3 - 3.5)E 0 (0/ 14)	51	6.4E -1 (-1.4 - 2.3)E 0 (0/ 12)	6.4E -1 (-1.4 - 2.3)E 0 (0/ 12)
Sb-125 (26) (0)		-1.2E 0 (-3.0 - 0.4)E 0 (0/ 14)	02	-1.8E -1 (-6.7 - 3.1)E -1 (0/ 2)	-2.4E -1 (-2.0 - 3.1)E 0 (0/ 12)
I-131 (26) (0)	15	-1.5E -2 (-2.5 - 2.8)E 0 (0/ 14)	01	1.1E -1 (-1.1 - 2.8)E 0 (0/ 12)	-4.6E -2 (-1.1 - 1.1)E 0 (0/ 12)
Cs-134 (26) (0)	15	2.2E -1 (-5.2 - 10.5)E -1 (0/ 14)	01	2.9E -1 (-5.2 - 10.5)E -1 (0/ 12)	1.8E -1 (-7.9 - 11.7)E -1 (0/ 12)
Cs-137 (26) (0)	18	5.3E -1 (-9.3 - 19.0)E -1 (0/ 14)	01	6.0E -1 (-9.3 - 19.0)E -1 (0/ 12)	3.1E -1 (-5.3 - 13.2)E -1 (0/ 12)
Ba-140 (26) (0)	15	1.3E -1 (-2.1 - 3.5)E 0 (0/ 14)	01	3.4E -1 (-1.8 - 3.5)E 0 (0/ 12)	-3.7E -1 (-4.9 - 1.6)E 0 (0/ 12)
La-140 (26) (0)	15	1.3E -1 (-2.1 - 3.5)E 0 (0/ 14)	01	3.4E -1 (-1.8 - 3.5)E 0 (0/ 12)	-3.7E -1 (-4.9 - 1.6)E 0 (0/ 12)
Ce-141 (26) (0)		4.5E -1 (-2.6 - 2.3)E 0 (0/ 14)	02	1.0E 0 (-8.5 - 218.0)E -2 (0/ 2)	2.7E -1 (-2.4 - 2.1)E 0 (0/ 12)
Ce-144 (26) (0)		3.8E -2 (-5.7 - 7.3)E 0 (0/ 14)	02	7.8E -1 (-5.7 - 7.3)E 0 (0/ 2)	-3.2E 0 (-1.9 - 0.3)E 1 (0/ 12)

* Non-Routine refers to those radionuclides that exceeded the Reporting Levels in ODCM Table A.9.1-3.
** The fraction of detectable measurements (i.e., > 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 2013)

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 (26)		8.6E -1	01	9.9E -1	7.3E -1
(0)		(-4.7 - 6.3)E 0		(-4.7 - 6.3)E 0	(-2.9 - 4.0)E 0
		(0/ 14)		(0/ 12)	(0/ 12)
Pb-214 (26)		2.0E -1	01	6.1E -1	-1.2E 0
(0)		(-3.6 - 7.2)E 0		(-3.6 - 7.2)E 0	(-6.1 - 4.8)E 0
		(0/ 14)		(0/ 12)	(0/ 12)
Bi-214 (26)		1.9E 0	01	2.2E 0	3.6E -1
(0)		(-3.3 - 8.3)E 0		(-3.3 - 8.3)E 0	(-5.1 - 7.6)E 0
		(0/ 14)		(0/ 12)	(0/ 12)
Ac-228 (26)		-2.6E -1	02	2.1E 0	5.8E -1
(0)		(-7.2 - 7.1)E 0		(1.5 - 2.7)E 0	(-3.7 - 6.6)E 0
		(0/ 14)		(0/ 2)	(0/ 12)
Th-228 (26)		8.6E -1	01	9.9E -1	7.3E -1
(0)		(-4.7 - 6.3)E 0		(-4.7 - 6.3)E 0	(-2.9 - 4.0)E 0
		(0/ 14)		(0/ 12)	(0/ 12)

* Non-Routine refers to those radionuclides that exceeded the Reporting Levels in ODCM Table A.9.1-3.
** The fraction of detectable measurements (i.e., > 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 2013, 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 two of the twelve samples due to naturally occurring radium and its daughter products. The gross beta activity is consistent with results from previous years of commercial operations. Figures 3.5 and 3.5.1 indicate the current year (2013) 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 only naturally occurring K-40 was detected in 1 of 12 samples.

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 reportable sample concentrations that may have occurred during the year are described in Section 5.

FIGURE 3.5

GROSS-BETA MEASUREMENTS OF GROUND WATER
SEABROOK STATION

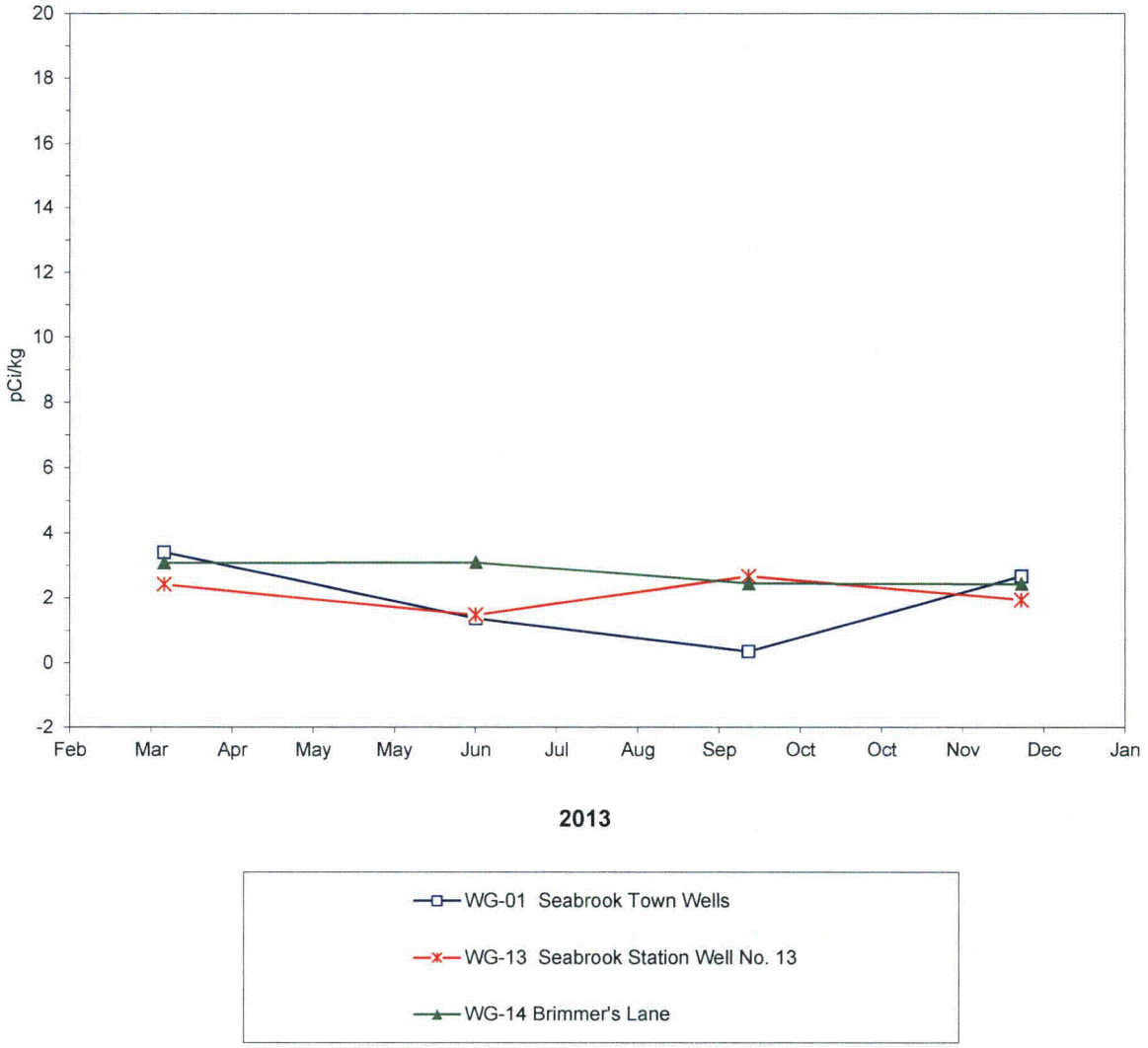


FIGURE 3.5.1

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

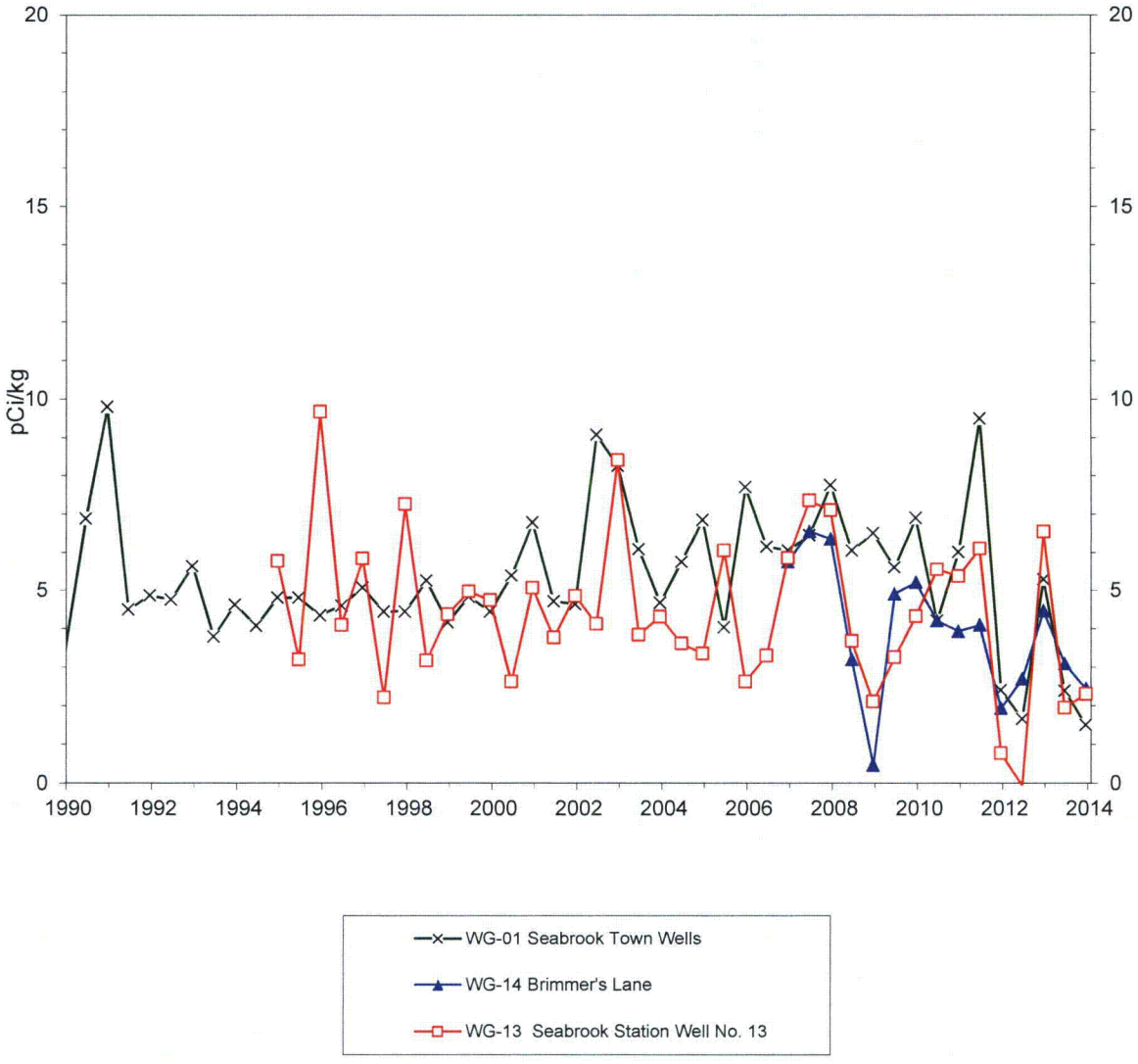


Table 3.5-1
Radiological Environmental Monitoring Program Summary
Seabrook Nuclear Power Station, Seabrook, NH
(January - December 2013)

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

Radionuclides (No. Analyses) (Non-Routine*)		Required LLD	Indicator Stations Mean Range (No. Detected**)	Station With Highest Mean Station	Mean Range (No. Detected**)	Control Stations Mean Range (No. Detected**)
BETA	(12)	4	2.3E 0	14	2.8E 0	NO DATA
	(0)		(3.5 - 34.0)E -1 (2/ 12)		(2.4 - 3.1)E 0 (0/ 4)	
H-3	(12)	3000	5.3E 1	14	6.8E 1	NO DATA
	(0)		(-2.2 - 3.2)E 2 (0/ 12)		(-7.5 - 29.1)E 1 (0/ 4)	
Be-7	(12)		2.9E 0	13	1.2E 1	NO DATA
	(0)		(-1.0 - 1.3)E 1 (0/ 12)		(9.7 - 12.9)E 0 (0/ 4)	
K-40	(12)		6.0E 0	14	1.3E 1	NO DATA
	(0)		(-1.6 - 3.0)E 1 (1/ 12)		(9.7 - 16.1)E 0 (0/ 4)	
Cr-51	(12)		-1.2E 0	01	-2.6E -1	NO DATA
	(0)		(-1.4 - 0.9)E 1 (0/ 12)		(-1.4 - 0.9)E 1 (0/ 4)	
Mn-54	(12)	15	-1.7E -1	14	2.3E -1	NO DATA
	(0)		(-1.5 - 1.0)E 0 (0/ 12)		(-4.1 - 9.5)E -1 (0/ 4)	
Co-57	(12)		-2.6E -1	13	4.0E -2	NO DATA
	(0)		(-1.6 - 0.7)E 0 (0/ 12)		(-2.5 - 7.3)E -1 (0/ 4)	
Co-58	(12)	15	2.6E -1	14	7.2E -1	NO DATA
	(0)		(-6.7 - 14.5)E -1 (0/ 12)		(2.6 - 145.0)E -2 (0/ 4)	
Fe-59	(12)	30	5.8E -1	14	1.8E 0	NO DATA
	(0)		(-2.5 - 5.6)E 0 (0/ 12)		(2.1 - 55.8)E -1 (0/ 4)	
Co-60	(12)	15	-3.3E -2	13	4.0E -1	NO DATA
	(0)		(-1.3 - 2.1)E 0 (0/ 12)		(-9.2 - 21.2)E -1 (0/ 4)	
Zn-65	(12)	30	1.3E 0	14	1.9E 0	NO DATA
	(0)		(-1.2 - 3.4)E 0 (0/ 12)		(1.3 - 3.4)E 0 (0/ 4)	
Se-75	(12)		4.0E -1	14	6.5E -1	NO DATA
	(0)		(-7.7 - 16.8)E -1 (0/ 12)		(-3.5 - 16.8)E -1 (0/ 4)	
Nb-95	(12)	15	5.6E -1	13	1.1E 0	NO DATA
	(0)		(-8.3 - 168.0)E -2 (0/ 12)		(6.8 - 16.8)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 3.5-1 (Continued)
Radiological Environmental Monitoring Program Summary
Seabrook Nuclear Power Station, Seabrook, NH
(January - December 2013)

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

Radionuclides (No. Analyses) (Non-Routine*)		Required LLD	Indicator Stations Mean Range (No. Detected**)	Station With Highest Mean Station	Station With Highest Mean Mean Range (No. Detected**)	Control Stations Mean Range (No. Detected**)
Zr-95	(12) (0)	15	-4.0E -2 (-2.5 - 2.0)E 0 (0/ 12)	14	7.9E -1 (1.1 - 20.2)E -1 (0/ 4)	NO DATA
Ru-103	(12) (0)		-7.8E -1 (-2.9 - 0.1)E 0 (0/ 12)	13	-3.0E -1 (-1.1 - 0.1)E 0 (0/ 4)	NO DATA
Ru-106	(12) (0)		-3.5E -1 (-1.1 - 1.2)E 1 (0/ 12)	01	2.9E 0 (-2.6 - 11.6)E 0 (0/ 4)	NO DATA
Ag-108m	(12) (0)		-1.6E -1 (-1.7 - 1.0)E 0 (0/ 12)	13	-3.3E -3 (-6.3 - 4.8)E -1 (0/ 4)	NO DATA
Ag-110m	(12) (0)		-3.4E -1 (-1.4 - 0.9)E 0 (0/ 12)	01	-2.3E -3 (-7.8 - 9.0)E -1 (0/ 4)	NO DATA
Sb-124	(12) (0)		-1.1E -1 (-4.8 - 2.7)E 0 (0/ 12)	13	9.2E -1 (-2.8 - 16.6)E -1 (0/ 4)	NO DATA
Sb-125	(12) (0)		6.5E -1 (-2.9 - 3.3)E 0 (0/ 12)	01	1.3E 0 (1.5 - 33.2)E -1 (0/ 4)	NO DATA
I-131	(12) (0)	15	-6.2E -1 (-6.2 - 1.9)E 0 (0/ 12)	13	2.7E -1 (-1.7 - 1.1)E 0 (0/ 4)	NO DATA
Cs-134	(12) (0)	15	4.7E -2 (-2.3 - 0.9)E 0 (0/ 12)	14	3.6E -1 (-2.6 - 9.1)E -1 (0/ 4)	NO DATA
Cs-137	(12) (0)	18	1.9E -1 (-2.5 - 1.9)E 0 (0/ 12)	13	6.5E -1 (-4.6 - 18.8)E -1 (0/ 4)	NO DATA
Ba-140	(12) (0)	15	5.7E -2 (-3.0 - 4.4)E 0 (0/ 12)	14	1.9E 0 (-9.9 - 44.2)E -1 (0/ 4)	NO DATA
La-140	(12) (0)	15	5.7E -2 (-3.0 - 4.4)E 0 (0/ 12)	14	1.9E 0 (-9.9 - 44.2)E -1 (0/ 4)	NO DATA
Ce-141	(12) (0)		7.4E -1 (-2.7 - 3.8)E 0 (0/ 12)	01	1.9E 0 (-3.6 - 35.8)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., >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 2013)

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)		-8.3E -1 (-1.2 - 0.4)E 1 (0/ 12)	01	1.0E 0 (-8.8 - 182.0)E -2 (0/ 4)	NO DATA
Pb-212 (12) (0)		1.6E 0 (-1.2 - 5.8)E 0 (0/ 12)	14	3.0E 0 (2.2 - 58.1)E -1 (0/ 4)	NO DATA
Pb-214 (12) (0)		7.2E 1 (-2.9 - 286.0)E 0 (0/ 12)	14	1.9E 2 (3.0 - 286.0)E 0 (0/ 4)	NO DATA
Bi-214 (12) (0)		6.7E 1 (7.8 - 2550.0)E -1 (0/ 12)	14	1.7E 2 (7.8 - 2550.0)E -1 (0/ 4)	NO DATA
Ac-228 (12) (0)		-8.2E -1 (-1.2 - 0.6)E 1 (0/ 12)	13	6.2E -1 (-3.1 - 5.1)E 0 (0/ 4)	NO DATA
Th-228 (12) (0)		1.6E 0 (-1.2 - 5.8)E 0 (0/ 12)	14	3.0E 0 (2.2 - 58.1)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, Plum Island Beach (SE-57) and sub-tidal Ipswich Bay (SE-52), are both located within 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 naturally occurring were detected. The naturally 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-232 decay chain (Ac-228, Th-228, Pb-212, and Tl-208). No plant-related radionuclides were detected in any core. 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 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 2013)

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)		-7.5E 1 (-3.0 - 1.0)E 2 (0/ 6)	52	2.9E 1 (-1.6 - 2.1)E 2 (0/ 2)	1.7E 1 (-1.6 - 2.1)E 2 (0/ 4)
K-40 (10) (0)		1.7E 4 (1.3 - 2.1)E 4 (6/ 6)	08	2.0E 4 (1.9 - 2.1)E 4 (2/ 2)	1.4E 4 (1.2 - 1.5)E 4 (4/ 4)
Cr-51 (10) (0)		-7.5E 1 (-2.1 - 1.2)E 2 (0/ 6)	52	1.4E 2 (-5.8 - 32.8)E 1 (0/ 2)	1.0E 2 (-5.8 - 32.8)E 1 (0/ 4)
Mn-54 (10) (0)		5.7E 0 (-9.7 - 33.3)E 0 (0/ 6)	02	2.3E 1 (1.3 - 3.3)E 1 (0/ 2)	-5.3E 0 (-1.9 - 2.1)E 1 (0/ 4)
Co-57 (10) (0)		4.8E 0 (-7.4 - 23.7)E 0 (0/ 6)	52	1.1E 1 (3.8 - 17.7)E 0 (0/ 2)	-1.8E 0 (-1.7 - 1.8)E 1 (0/ 4)
Co-58 (10) (0)		-3.7E 0 (-3.2 - 1.4)E 1 (0/ 6)	52	5.0E 0 (-1.7 - 2.6)E 1 (0/ 2)	-1.3E -1 (-2.3 - 2.6)E 1 (0/ 4)
Fe-59 (10) (0)		-2.3E 1 (-9.6 - 3.9)E 1 (0/ 6)	52	1.6E 1 (1.5 - 1.7)E 1 (0/ 2)	3.0E 0 (-2.9 - 1.7)E 1 (0/ 4)
Co-60 (10) (0)		-4.5E 0 (-1.7 - 1.5)E 1 (0/ 6)	57	2.1E 1 (1.4 - 2.8)E 1 (0/ 2)	7.3E 0 (-9.5 - 28.0)E 0 (0/ 4)
Zn-65 (10) (0)		2.3E 1 (-7.2 - 52.2)E 0 (0/ 6)	52	5.5E 1 (4.3 - 6.6)E 1 (0/ 2)	5.1E 1 (2.9 - 6.7)E 1 (0/ 4)
Se-75 (10) (0)		3.0E 0 (-1.3 - 2.4)E 1 (0/ 6)	52	1.5E 1 (2.5 - 27.3)E 0 (0/ 2)	1.0E 1 (-2.4 - 3.6)E 1 (0/ 4)
Nb-95 (10) (0)		2.5E 1 (2.1 - 62.8)E 0 (0/ 6)	02	5.5E 1 (4.8 - 6.3)E 1 (0/ 2)	4.0E 1 (8.4 - 56.3)E 0 (0/ 4)
Zr-95 (10) (0)		6.8E 0 (-1.6 - 2.5)E 1 (0/ 6)	57	4.0E 1 (1.3 - 6.8)E 1 (0/ 2)	2.9E 1 (1.3 - 6.8)E 1 (0/ 4)
Ru-103 (10) (0)		9.6E 0 (-1.5 - 26.1)E 0 (0/ 6)	08	2.4E 1 (2.2 - 2.6)E 1 (0/ 2)	-1.8E 1 (-2.5 - -0.9)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.

Table 3.6-1 (Continued)

Radiological Environmental Monitoring Program Summary
Seabrook Nuclear Power Station, Seabrook, NH
(January - December 2013)

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) (0)		-2.3E 1 (-1.3 - 0.7)E 2 (0/ 6)	52	2.9E 2 (2.1 - 3.6)E 2 (0/ 2)	1.2E 2 (-1.6 - 3.6)E 2 (0/ 4)
Ag-108m (10) (0)		-2.9E 0 (-1.3 - 0.4)E 1 (0/ 6)	52	9.4E 0 (7.6 - 11.3)E 0 (0/ 2)	4.2E -1 (-8.6 - 11.3)E 0 (0/ 4)
Ag-110m (10) (0)		1.2E -1 (-2.4 - 4.0)E 1 (0/ 6)	07	8.0E 0 (-2.4 - 4.0)E 1 (0/ 2)	-1.1E 0 (-1.8 - 2.1)E 1 (0/ 4)
Sb-124 (10) (0)		-1.4E 1 (-6.0 - 3.4)E 1 (0/ 6)	07	4.6E 0 (-3.4 - 96.2)E -1 (0/ 2)	-3.1E 1 (-6.6 - 0.0)E 1 (0/ 4)
Sb-125 (10) (0)		1.1E 1 (-1.1 - 4.0)E 1 (0/ 6)	52	2.8E 1 (1.4 - 4.2)E 1 (0/ 2)	1.2E 1 (-4.8 - 4.2)E 1 (0/ 4)
I-131 (10) (0)		-1.1E 2 (-3.1 - 0.1)E 2 (0/ 6)	57	-1.6E 1 (-7.0 - 3.9)E 1 (0/ 2)	-2.6E 1 (-2.5 - 1.8)E 2 (0/ 4)
Cs-134 (10) (0)	150	1.7E 1 (0.0 - 4.4)E 1 (0/ 6)	52	4.4E 1 (0.0 - 8.9)E 1 (0/ 2)	2.9E 1 (0.0 - 8.9)E 1 (0/ 4)
Cs-137 (10) (0)	180	-6.9E 0 (-3.3 - 1.3)E 1 (0/ 6)	52	8.5E 0 (-1.1 - 2.8)E 1 (0/ 2)	6.1E 0 (-1.1 - 2.8)E 1 (0/ 4)
Ba-140 (10) (0)		6.6E 0 (-1.6 - 1.5)E 2 (0/ 6)	08	1.1E 2 (6.9 - 14.9)E 1 (0/ 2)	-2.5E 2 (-5.0 - -0.4)E 2 (0/ 4)
La-140 (10) (0)		1.1E 1 (-1.2 - 1.5)E 2 (0/ 6)	02	1.0E 2 (5.9 - 14.5)E 1 (0/ 2)	3.5E 1 (-7.2 - 9.7)E 1 (0/ 4)
Ce-141 (10) (0)		5.9E 0 (-1.1 - 3.7)E 1 (0/ 6)	02	1.3E 1 (-1.1 - 3.7)E 1 (0/ 2)	-9.1E 0 (-2.6 - 2.1)E 1 (0/ 4)
Ce-144 (10) (0)		2.2E 1 (-9.3 - 20.0)E 1 (0/ 6)	57	7.2E 1 (6.0 - 8.4)E 1 (0/ 2)	2.7E 0 (-8.5 - 8.4)E 1 (0/ 4)
Tl-208 (10) (0)		2.0E 2 (1.2 - 3.5)E 2 (6/ 6)	52	7.5E 2 (4.9 - 10.1)E 2 (2/ 2)	4.3E 2 (9.2 - 101.0)E 1 (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 2013)

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)		6.8E 2 (3.4 - 12.6)E 2 (6/ 6)	52	2.5E 3 (1.7 - 3.3)E 3 (2/ 2)	1.5E 3 (3.8 - 33.4)E 2 (4/ 4)
Pb-214 (10) (0)		3.8E 2 (0.0 - 9.9)E 2 (5/ 6)	52	6.2E 2 (0.0 - 1.2)E 3 (1/ 2)	3.8E 2 (0.0 - 1.2)E 3 (2/ 4)
Bi-214 (10) (0)		4.1E 2 (2.2 - 7.6)E 2 (6/ 6)	52	1.3E 3 (8.6 - 18.3)E 2 (2/ 2)	8.2E 2 (2.2 - 18.3)E 2 (4/ 4)
Ra-226 (10) (0)		4.1E 2 (2.2 - 7.6)E 2 (6/ 6)	52	1.3E 3 (8.6 - 18.3)E 2 (2/ 2)	8.2E 2 (2.2 - 18.3)E 2 (4/ 4)
Ac-228 (10) (0)		5.8E 2 (1.9 - 11.4)E 2 (6/ 6)	52	2.3E 3 (1.6 - 3.0)E 3 (2/ 2)	1.3E 3 (1.7 - 29.9)E 2 (3/ 4)
Th-228 (10) (0)		6.8E 2 (3.4 - 12.6)E 2 (6/ 6)	52	2.5E 3 (1.7 - 3.3)E 3 (2/ 2)	1.5E 3 (3.8 - 33.4)E 2 (4/ 4)
Th-230 (10) (0)		4.1E 2 (2.2 - 7.6)E 2 (6/ 6)	52	1.3E 3 (8.6 - 18.3)E 2 (2/ 2)	8.2E 2 (2.2 - 18.3)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 by the ODCM REMP from two locations. Quarterly collections are attempted to ensure the sampling requirements are met. 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 9 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 (catches also includes yellow tail and windowpane flounder) which are bottom dwelling species. Two samples of cunner fish were also collected from sample location FH-03 (Hampton Bay in the area of the plant's discharge). One sample of whiting fin fish was also taken in trawls from location FH-03.

A gamma analysis was performed on the edible portion of each sample collected. In 2013, the only radionuclide detected was naturally occurring K-40 (all samples). 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, sampling was 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 (flounder). For 2013, two cunner samples were collected from Hampton Bay. The results are listed in Attachment 1 as laboratory numbers 332456001 (08/27/2013) and 338542002 (12/02/2013). The results for the one sample of whiting fish are listed under laboratory number 338542001 (11/25/2013). No plant radionuclides were detected in the cunner or whiting fish samples, with only naturally occurring K-40 being found.

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 2013)

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	(9)		2.0E 1	03	2.0E 1	7.6E 0
	(0)		(-8.0 - 115.0)E 0		(-8.0 - 115.0)E 0	(-1.4 - 2.0)E 1
			(0/ 6)		(0/ 6)	(0/ 3)
K-40	(9)		2.9E 3	53	3.5E 3	3.5E 3
	(0)		(2.2 - 3.7)E 3		(3.5 - 3.5)E 3	(3.5 - 3.5)E 3
			(6/ 6)		(3/ 3)	(3/ 3)
Cr-51	(9)		4.1E 0	03	4.1E 0	-1.8E 1
	(0)		(-1.9 - 1.4)E 2		(-1.9 - 1.4)E 2	(-2.8 - -1.1)E 1
			(0/ 6)		(0/ 6)	(0/ 3)
Mn-54	(9)	130	-1.0E 0	03	-1.0E 0	-2.5E 0
	(0)		(-1.5 - 0.6)E 1		(-1.5 - 0.6)E 1	(-8.7 - 0.7)E 0
			(0/ 6)		(0/ 6)	(0/ 3)
Co-57	(9)		-5.8E -1	53	8.5E -1	8.5E -1
	(0)		(-5.8 - 5.2)E 0		(-5.7 - 25.0)E -1	(-5.7 - 25.0)E -1
			(0/ 6)		(0/ 3)	(0/ 3)
Co-58	(9)	130	1.5E 0	03	1.5E 0	-3.8E 0
	(0)		(-4.2 - 11.6)E 0		(-4.2 - 11.6)E 0	(-7.7 - -0.4)E 0
			(0/ 6)		(0/ 6)	(0/ 3)
Fe-59	(9)	260	1.9E -1	53	2.2E 0	2.2E 0
	(0)		(-9.6 - 21.0)E 0		(-2.8 - 5.0)E 0	(-2.8 - 5.0)E 0
			(0/ 6)		(0/ 3)	(0/ 3)
Co-60	(9)	130	2.3E 0	03	2.3E 0	-1.2E 0
	(0)		(-1.5 - 7.3)E 0		(-1.5 - 7.3)E 0	(-2.5 - -0.3)E 0
			(0/ 6)		(0/ 6)	(0/ 3)
Zn-65	(9)	260	9.3E -1	03	9.3E -1	-5.7E -1
	(0)		(-1.2 - 3.3)E 1		(-1.2 - 3.3)E 1	(-1.3 - 0.8)E 1
			(0/ 6)		(0/ 6)	(0/ 3)
Se-75	(9)		-2.8E 0	53	-6.4E -1	-6.4E -1
	(0)		(-6.9 - 2.7)E 0		(-2.9 - 0.5)E 0	(-2.9 - 0.5)E 0
			(0/ 6)		(0/ 3)	(0/ 3)
Nb-95	(9)		3.2E 0	03	3.2E 0	-4.6E -1
	(0)		(-3.0 - 9.1)E 0		(-3.0 - 9.1)E 0	(-5.0 - 1.8)E 0
			(0/ 6)		(0/ 6)	(0/ 3)
Zr-95	(9)		3.4E 0	03	3.4E 0	1.6E 0
	(0)		(-6.4 - 10.8)E 0		(-6.4 - 10.8)E 0	(-2.1 - 7.1)E 0
			(0/ 6)		(0/ 6)	(0/ 3)
Ru-103	(9)		1.8E 0	03	1.8E 0	-9.1E -1
	(0)		(-1.2 - 1.7)E 1		(-1.2 - 1.7)E 1	(-2.4 - 1.4)E 0
			(0/ 6)		(0/ 6)	(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 3.7-1 (Continued)

Radiological Environmental Monitoring Program Summary
Seabrook Nuclear Power Station, Seabrook, NH
(January - December 2013)

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	(9)		2.1E 1	03	2.1E 1	1.4E 1
	(0)		(-2.6 - 57.2)E 0 (0/ 6)		(-2.6 - 57.2)E 0 (0/ 6)	(-6.1 - 37.9)E 0 (0/ 3)
Ag-108m	(9)		-4.8E -1	53	1.3E 0	1.3E 0
	(0)		(-6.2 - 7.7)E 0 (0/ 6)		(-2.6 - 31.0)E -1 (0/ 3)	(-2.6 - 31.0)E -1 (0/ 3)
Ag-110m	(9)		5.3E 0	03	5.3E 0	-5.6E 0
	(0)		(-6.4 - 19.7)E 0 (0/ 6)		(-6.4 - 19.7)E 0 (0/ 6)	(-9.0 - -1.2)E 0 (0/ 3)
Sb-124	(9)		-1.0E 1	53	3.5E 0	3.5E 0
	(0)		(-4.6 - 0.7)E 1 (0/ 6)		(-8.6 - 92.2)E -1 (0/ 3)	(-8.6 - 92.2)E -1 (0/ 3)
Sb-125	(9)		1.0E 1	03	1.0E 1	-1.5E 0
	(0)		(-3.6 - 53.6)E 0 (0/ 6)		(-3.6 - 53.6)E 0 (0/ 6)	(-4.4 - 1.7)E 0 (0/ 3)
I-131	(9)		-1.4E 1	53	-2.4E 0	-2.4E 0
	(0)		(-5.6 - 0.8)E 1 (0/ 6)		(-9.8 - 4.3)E 0 (0/ 3)	(-9.8 - 4.3)E 0 (0/ 3)
Cs-134	(9)	130	5.0E 0	03	5.0E 0	-2.2E -1
	(0)		(-1.6 - 14.5)E 0 (0/ 6)		(-1.6 - 14.5)E 0 (0/ 6)	(-1.9 - 2.3)E 0 (0/ 3)
Cs-137	(9)	150	8.7E 0	03	8.7E 0	1.0E 0
	(0)		(-1.9 - 3160.0)E -2 (0/ 6)		(-1.9 - 3160.0)E -2 (0/ 6)	(0.0 - 1.5)E 0 (0/ 3)
Ba-140	(9)		-2.9E 0	03	-2.9E 0	-5.4E 0
	(0)		(-1.3 - 0.6)E 2 (0/ 6)		(-1.3 - 0.6)E 2 (0/ 6)	(-2.5 - 1.2)E 1 (0/ 3)
La-140	(9)		-6.5E 0	53	-3.6E 0	-3.6E 0
	(0)		(-3.7 - 0.5)E 1 (0/ 6)		(-1.0 - 0.2)E 1 (0/ 3)	(-1.0 - 0.2)E 1 (0/ 3)
Ce-141	(9)		-4.5E 0	53	9.3E -1	9.3E -1
	(0)		(-1.8 - 0.5)E 1 (0/ 6)		(-4.4 - 4.4)E 0 (0/ 3)	(-4.4 - 4.4)E 0 (0/ 3)
Ce-144	(9)		6.2E 0	53	9.0E 0	9.0E 0
	(0)		(-2.7 - 6.2)E 1 (0/ 6)		(4.5 - 244.0)E -1 (0/ 3)	(4.5 - 244.0)E -1 (0/ 3)
Tl-208	(9)		7.0E 0	03	7.0E 0	-2.5E -1
	(0)		(0.0 - 2.2)E 1 (0/ 6)		(0.0 - 2.2)E 1 (0/ 6)	(-1.3 - 0.6)E 0 (0/ 3)

* Non-Routine refers to those radionuclides that exceeded the Reporting Levels in ODCM Table A.9.1-3.
** The fraction of detectable measurements (i.e., > 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 2013)

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 (9) (0)		2.0E 0 (-8.2 - 10.1)E 0 (0/ 6)	53	6.4E 0 (4.5 - 10.2)E 0 (0/ 3)	6.4E 0 (4.5 - 10.2)E 0 (0/ 3)
Pb-214 (9) (0)		-4.4E -1 (-1.4 - 1.4)E 1 (0/ 6)	03	-4.4E -1 (-1.4 - 1.4)E 1 (0/ 6)	-2.0E 0 (-7.2 - 2.8)E 0 (0/ 3)
Bi-214 (9) (0)		-4.2E 0 (-7.1 - 2.4)E 1 (0/ 6)	53	8.1E 0 (7.3 - 194.0)E -1 (0/ 3)	8.1E 0 (7.3 - 194.0)E -1 (0/ 3)
Ra-226 (9) (0)		-4.2E 0 (-7.1 - 2.4)E 1 (0/ 6)	53	8.1E 0 (7.3 - 194.0)E -1 (0/ 3)	8.1E 0 (7.3 - 194.0)E -1 (0/ 3)
Ac-228 (9) (0)		-5.2E -1 (-8.2 - 3.6)E 1 (0/ 6)	53	1.5E 1 (4.0 - 34.6)E 0 (0/ 3)	1.5E 1 (4.0 - 34.6)E 0 (0/ 3)
Th-228 (9) (0)		2.0E 0 (-8.2 - 10.1)E 0 (0/ 6)	53	6.4E 0 (4.5 - 10.2)E 0 (0/ 3)	6.4E 0 (4.5 - 10.2)E 0 (0/ 3)
Th-230 (9) (0)		-4.2E 0 (-7.1 - 2.4)E 1 (0/ 6)	53	8.1E 0 (7.3 - 194.0)E -1 (0/ 3)	8.1E 0 (7.3 - 194.0)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.

3.8 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. 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 2013 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 2013)

MEDIUM: American Lobster (HA) UNITS: pCi/kg

Radionuclides (No. Analyses) (Non-Routine*)		Required LLD	Indicator Stations Mean Range (No. Detected**)	Station With Highest Mean Station	Mean Range (No. Detected**)	Control Stations Mean Range (No. Detected**)
Be-7	(4)		2.4E 1	04	2.4E 1	9.6E 0
	(0)		(1.8 - 3.1)E 1 (0/ 2)		(1.8 - 3.1)E 1 (0/ 2)	(3.4 - 15.7)E 0 (0/ 2)
K-40	(4)		2.2E 3	54	2.8E 3	2.8E 3
	(0)		(2.0 - 2.4)E 3 (2/ 2)		(2.6 - 3.1)E 3 (2/ 2)	(2.6 - 3.1)E 3 (2/ 2)
Cr-51	(4)		-3.6E 1	54	-1.8E 0	-1.8E 0
	(0)		(-1.0 - 0.3)E 2 (0/ 2)		(-5.6 - 2.0)E 0 (0/ 2)	(-5.6 - 2.0)E 0 (0/ 2)
Mn-54	(4)	130	-3.0E -2	04	-3.0E -2	-1.9E -1
	(0)		(-4.4 - -1.6)E -2 (0/ 2)		(-4.4 - -1.6)E -2 (0/ 2)	(-8.4 - 4.6)E -1 (0/ 2)
Co-57	(4)		-5.4E -1	04	-5.4E -1	-8.5E -1
	(0)		(-1.9 - 0.8)E 0 (0/ 2)		(-1.9 - 0.8)E 0 (0/ 2)	(-9.4 - -7.6)E -1 (0/ 2)
Co-58	(4)	130	1.9E 0	04	1.9E 0	-1.2E -1
	(0)		(1.4 - 2.5)E 0 (0/ 2)		(1.4 - 2.5)E 0 (0/ 2)	(-4.3 - 2.0)E -1 (0/ 2)
Fe-59	(4)	260	-4.8E -1	54	2.0E 0	2.0E 0
	(0)		(-8.5 - 7.5)E 0 (0/ 2)		(1.9 - 2.2)E 0 (0/ 2)	(1.9 - 2.2)E 0 (0/ 2)
Co-60	(4)	130	-3.9E -1	04	-3.9E -1	-5.7E -1
	(0)		(-2.1 - 1.3)E 0 (0/ 2)		(-2.1 - 1.3)E 0 (0/ 2)	(-1.5 - 0.3)E 0 (0/ 2)
Zn-65	(4)	260	-7.4E 0	54	-3.4E 0	-3.4E 0
	(0)		(-9.9 - -4.9)E 0 (0/ 2)		(-6.3 - -0.5)E 0 (0/ 2)	(-6.3 - -0.5)E 0 (0/ 2)
Se-75	(4)		-3.0E 0	54	3.5E -1	3.5E -1
	(0)		(-3.9 - -2.2)E 0 (0/ 2)		(-9.7 - 705.0)E -3 (0/ 2)	(-9.7 - 705.0)E -3 (0/ 2)
Nb-95	(4)		6.1E 0	04	6.1E 0	2.4E -1
	(0)		(3.4 - 8.7)E 0 (0/ 2)		(3.4 - 8.7)E 0 (0/ 2)	(-3.7 - 8.5)E -1 (0/ 2)
Zr-95	(4)		-2.7E -1	54	3.5E -1	3.5E -1
	(0)		(-3.6 - -1.8)E -1 (0/ 2)		(-2.2 - 2.9)E 0 (0/ 2)	(-2.2 - 2.9)E 0 (0/ 2)
Ru-103	(4)		-6.4E 0	54	-6.1E -1	-6.1E -1
	(0)		(-6.5 - -6.3)E 0 (0/ 2)		(-6.2 - -5.9)E -1 (0/ 2)	(-6.2 - -5.9)E -1 (0/ 2)

* Non-Routine refers to those radionuclides that exceeded the Reporting Levels in ODCM Table A.9.1-3.
** The fraction of detectable measurements (i.e., > 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 2013)

MEDIUM: American Lobster (HA) UNITS: pCi/kg

Radionuclides (No. Analyses) (Non-Routine*)		Required LLD	Indicator Stations Mean Range (No. Detected**)	Station	Station With Highest Mean Mean Range (No. Detected**)	Control Stations Mean Range (No. Detected**)
Ru-106	(4)		4.1E 1	04	4.1E 1	-1.9E -1
	(0)		(2.2 - 5.9)E 1 (0/ 2)		(2.2 - 5.9)E 1 (0/ 2)	(-1.3 - 0.9)E 0 (0/ 2)
Ag-108m	(4)		-8.5E -2	54	2.3E -1	2.3E -1
	(0)		(-1.9 - 1.7)E 0 (0/ 2)		(-4.9 - 9.6)E -1 (0/ 2)	(-4.9 - 9.6)E -1 (0/ 2)
Ag-110m	(4)		-7.1E -1	54	5.6E -1	5.6E -1
	(0)		(-5.3 - 3.9)E 0 (0/ 2)		(-2.7 - 114.0)E -2 (0/ 2)	(-2.7 - 114.0)E -2 (0/ 2)
Sb-124	(4)		1.4E 0	54	3.0E 0	3.0E 0
	(0)		(3.0 - 24.8)E -1 (0/ 2)		(2.0 - 4.0)E 0 (0/ 2)	(2.0 - 4.0)E 0 (0/ 2)
Sb-125	(4)		5.3E 0	04	5.3E 0	9.3E -1
	(0)		(4.1 - 6.6)E 0 (0/ 2)		(4.1 - 6.6)E 0 (0/ 2)	(2.1 - 16.5)E -1 (0/ 2)
I-131	(4)		4.7E 0	04	4.7E 0	-1.0E 0
	(0)		(2.7 - 6.7)E 0 (0/ 2)		(2.7 - 6.7)E 0 (0/ 2)	(-6.8 - 4.7)E 0 (0/ 2)
Cs-134	(4)	130	1.1E 0	54	2.1E 0	2.1E 0
	(0)		(9.7 - 11.8)E -1 (0/ 2)		(5.3 - 35.9)E -1 (0/ 2)	(5.3 - 35.9)E -1 (0/ 2)
Cs-137	(4)	150	1.5E 0	54	2.7E 0	2.7E 0
	(0)		(-2.5 - 5.6)E 0 (0/ 2)		(1.8 - 3.5)E 0 (0/ 2)	(1.8 - 3.5)E 0 (0/ 2)
Ba-140	(4)		2.8E 1	04	2.8E 1	6.2E 0
	(0)		(1.2 - 4.3)E 1 (0/ 2)		(1.2 - 4.3)E 1 (0/ 2)	(4.4 - 7.9)E 0 (0/ 2)
La-140	(4)		9.6E 0	04	9.6E 0	1.1E 0
	(0)		(3.2 - 16.0)E 0 (0/ 2)		(3.2 - 16.0)E 0 (0/ 2)	(-1.8 - 3.9)E 0 (0/ 2)
Ce-141	(4)		4.2E 0	04	4.2E 0	-1.3E 0
	(0)		(2.9 - 5.5)E 0 (0/ 2)		(2.9 - 5.5)E 0 (0/ 2)	(-1.5 - -1.0)E 0 (0/ 2)
Ce-144	(4)		1.2E 1	04	1.2E 1	-3.5E -1
	(0)		(-1.2 - 3.6)E 1 (0/ 2)		(-1.2 - 3.6)E 1 (0/ 2)	(-7.3 - 0.2)E -1 (0/ 2)
Tl-208	(4)		-3.0E 0	54	-5.5E -1	-5.5E -1
	(0)		(-8.5 - 2.5)E 0 (0/ 2)		(-1.1 - 0.0)E 0 (0/ 2)	(-1.1 - 0.0)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.

Table 3.8-1 (Continued)
Radiological Environmental Monitoring Program Summary
Seabrook Nuclear Power Station, Seabrook, NH
(January - December 2013)

MEDIUM: American Lobster (HA) UNITS: pCi/kg

Radionuclides (No. Analyses) (Non-Routine*)		Required LLD	Indicator Stations Mean Range (No. Detected**)	Station With Highest Mean Station	Mean Range (No. Detected**)	Control Stations Mean Range (No. Detected**)
Pb-212	(4)		1.9E 0	54	2.5E 0	2.5E 0
	(0)		(1.5 - 2.3)E 0 (0/ 2)		(2.3 - 2.7)E 0 (0/ 2)	(2.3 - 2.7)E 0 (0/ 2)
Pb-214	(4)		1.1E 1	04	1.1E 1	2.4E 0
	(0)		(8.0 - 13.2)E 0 (0/ 2)		(8.0 - 13.2)E 0 (0/ 2)	(4.4 - 44.5)E -1 (0/ 2)
Bi-214	(4)		-5.0E -2	54	6.0E 0	6.0E 0
	(0)		(-6.5 - 6.4)E 0 (0/ 2)		(5.2 - 6.9)E 0 (0/ 2)	(5.2 - 6.9)E 0 (0/ 2)
Ra-226	(4)		-5.0E -2	54	6.0E 0	6.0E 0
	(0)		(-6.5 - 6.4)E 0 (0/ 2)		(5.2 - 6.9)E 0 (0/ 2)	(5.2 - 6.9)E 0 (0/ 2)
Ac-228	(4)		8.5E 0	54	1.4E 1	1.4E 1
	(0)		(-1.4 - 18.4)E 0 (0/ 2)		(1.2 - 1.7)E 1 (0/ 2)	(1.2 - 1.7)E 1 (0/ 2)
Th-228	(4)		1.9E 0	54	2.5E 0	2.5E 0
	(0)		(1.5 - 2.3)E 0 (0/ 2)		(2.3 - 2.7)E 0 (0/ 2)	(2.3 - 2.7)E 0 (0/ 2)
Th-230	(4)		-5.0E -2	54	6.0E 0	6.0E 0
	(0)		(-6.5 - 6.4)E 0 (0/ 2)		(5.2 - 6.9)E 0 (0/ 2)	(5.2 - 6.9)E 0 (0/ 2)

* Non-Routine refers to those radionuclides that exceeded the Reporting Levels in ODCM Table A.9.1-3.
** The fraction of detectable measurements (i.e., > 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 2013, 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)* was 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 Hampton Harbor (indicator MU-09) and Plum Island (control MU-59). A total of eight samples were collected in 2013 and analyzed for radioactivity in the edible portion or meat of the shellfish.

The only radionuclides detected in edible shellfish body samples in 2013 were naturally occurring, including K-40 (all 8 samples), Be-7 (1 sample), Pb-212 (1 sample), Bi-214 (2 samples), Ra-226 (2 samples), Ac-228 (2 samples), Th-228 (1 sample) and Th-230 (2 samples). Similar to past years, no plant-related gamma emitting 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 the pre-operational program and with previous years of plant operations.

Additional analyses were conducted on the May and November shellfish collections from both indicator (MS-06) and control (MS-56) locations. Mussel shells (MS) were analyzed for Strontium 89 and 90 (four samples) to see if there was any indication of strontium uptake into the shell. For 2013, no Sr-89/90 was detected in any sample. No shell analyses are required by the REMP as defined in the ODCM.

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 2013)

MEDIUM: Mussel Body (MU) UNITS: pCi/kg

Radionuclides (No. Analyses) (Non-Routine*)		Required LLD	Indicator Stations Mean Range (No. Detected**)	Station With Highest Mean Station	Mean Range (No. Detected**)	Control Stations Mean Range (No. Detected**)
Be-7	(8)		1.9E 1	56	8.3E 1	4.8E 1
	(0)		(-1.8 - 4.8)E 1 (1/ 4)		(7.9 - 8.7)E 1 (0/ 2)	(1.2 - 8.7)E 1 (0/ 4)
K-40	(8)		1.3E 3	56	1.8E 3	1.6E 3
	(0)		(1.0 - 1.5)E 3 (4/ 4)		(1.6 - 1.9)E 3 (2/ 2)	(1.4 - 1.9)E 3 (4/ 4)
Cr-51	(8)		-2.3E 0	56	3.6E 1	1.1E 1
	(0)		(-1.6 - 1.0)E 1 (0/ 4)		(-2.7 - 9.8)E 1 (0/ 2)	(-3.5 - 9.8)E 1 (0/ 4)
Mn-54	(8)	130	-3.8E -1	56	6.7E 0	3.4E 0
	(0)		(-1.1 - 0.2)E 0 (0/ 4)		(5.3 - 8.1)E 0 (0/ 2)	(1.1 - 81.1)E -1 (0/ 4)
Co-57	(8)		8.1E -1	06	9.7E -1	5.0E -1
	(0)		(-6.3 - 136.0)E -2 (0/ 4)		(6.0 - 13.4)E -1 (0/ 2)	(-7.3 - 12.7)E -1 (0/ 4)
Co-58	(8)	130	1.2E 0	06	2.7E 0	-3.1E 0
	(0)		(-6.8 - 43.1)E -1 (0/ 4)		(1.1 - 4.3)E 0 (0/ 2)	(-6.6 - -0.6)E 0 (0/ 4)
Fe-59	(8)	260	-2.8E 0	09	-9.5E -1	-3.2E 0
	(0)		(-6.5 - 0.3)E 0 (0/ 4)		(-2.2 - 0.3)E 0 (0/ 2)	(-5.8 - -0.9)E 0 (0/ 4)
Co-60	(8)	130	-9.8E -2	56	4.4E 0	1.7E 0
	(0)		(-6.6 - 5.9)E 0 (0/ 4)		(1.2 - 7.6)E 0 (0/ 2)	(-2.2 - 7.6)E 0 (0/ 4)
Zn-65	(8)	260	1.1E 0	59	7.1E 0	3.3E 0
	(0)		(-1.8 - 5.2)E 0 (0/ 4)		(3.8 - 10.5)E 0 (0/ 2)	(-1.1 - 10.5)E 0 (0/ 4)
Se-75	(8)		-1.3E 0	56	4.3E 0	3.1E 0
	(0)		(-7.6 - 2.5)E 0 (0/ 4)		(3.1 - 5.4)E 0 (0/ 2)	(1.4 - 5.4)E 0 (0/ 4)
Nb-95	(8)		-1.2E -1	56	1.1E 1	5.6E 0
	(0)		(-2.0 - 2.0)E 0 (0/ 4)		(8.5 - 12.6)E 0 (0/ 2)	(6.9 - 1260.0)E-2 (0/ 4)
Zr-95	(8)		4.7E -1	09	4.8E -1	-3.7E 0
	(0)		(-1.5 - 2.4)E 0 (0/ 4)		(-1.5 - 2.4)E 0 (0/ 2)	(-1.4 - 0.1)E 1 (0/ 4)
Ru-103	(8)		4.7E -1	06	5.5E -1	-3.7E 0
	(0)		(-8.6 - 16.2)E -1 (0/ 4)		(-2.5 - 13.6)E -1 (0/ 2)	(-9.9 - 1.0)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 2013)

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)		-2.5E 0	59	2.3E 1	-5.3E -1
	(0)		(-2.7 - 0.8)E 1 (0/ 4)		(1.8 - 2.8)E 1 (0/ 2)	(-5.1 - 2.8)E 1 (0/ 4)
Ag-108m	(8)		1.1E 0	06	1.8E 0	3.7E -1
	(0)		(-5.7 - 25.9)E -1 (0/ 4)		(1.0 - 2.6)E 0 (0/ 2)	(-1.2 - 1.9)E 0 (0/ 4)
Ag-110m	(8)		1.5E 0	56	5.6E 0	2.0E 0
	(0)		(-5.6 - 46.5)E -1 (0/ 4)		(0.0 - 1.1)E 1 (0/ 2)	(-2.5 - 11.2)E 0 (0/ 4)
Sb-124	(8)		-2.2E 0	56	1.1E 1	4.2E 0
	(0)		(-8.7 - 6.4)E 0 (0/ 4)		(4.3 - 17.3)E 0 (0/ 2)	(-3.0 - 17.3)E 0 (0/ 4)
Sb-125	(8)		-3.6E -1	56	3.0E 0	2.9E 0
	(0)		(-3.2 - 3.1)E 0 (0/ 4)		(7.6 - 53.0)E -1 (0/ 2)	(3.9 - 53.0)E -1 (0/ 4)
I-131	(8)		-3.4E 0	56	1.4E 1	1.2E 1
	(0)		(-1.4 - 0.2)E 1 (0/ 4)		(4.9 - 22.1)E 0 (0/ 2)	(4.9 - 22.1)E 0 (0/ 4)
Cs-134	(8)	130	-8.5E -1	56	5.7E 0	2.7E 0
	(0)		(-2.0 - 0.5)E 0 (0/ 4)		(1.2 - 10.1)E 0 (0/ 2)	(-2.2 - 10.1)E 0 (0/ 4)
Cs-137	(8)	150	5.7E -1	56	3.1E 0	2.8E 0
	(0)		(-9.5 - 19.7)E -1 (0/ 4)		(-8.4 - 69.8)E -1 (0/ 2)	(-8.4 - 69.8)E -1 (0/ 4)
Ba-140	(8)		1.5E 1	06	3.3E 1	-1.5E 1
	(0)		(-8.7 - 50.2)E 0 (0/ 4)		(1.7 - 5.0)E 1 (0/ 2)	(-4.0 - 0.7)E 1 (0/ 4)
La-140	(8)		2.3E 0	06	5.9E 0	-2.7E 0
	(0)		(-4.8 - 6.3)E 0 (0/ 4)		(5.5 - 6.3)E 0 (0/ 2)	(-1.2 - 0.9)E 1 (0/ 4)
Ce-141	(8)		1.2E 0	56	3.5E 0	2.7E 0
	(0)		(0.0 - 2.8)E 0 (0/ 4)		(-2.5 - 9.5)E 0 (0/ 2)	(-2.5 - 9.5)E 0 (0/ 4)
Ce-144	(8)		-3.2E 0	56	1.3E 1	6.1E 0
	(0)		(-8.8 - 6.2)E 0 (0/ 4)		(-1.5 - 4.0)E 1 (0/ 2)	(-1.5 - 4.0)E 1 (0/ 4)
Tl-208	(8)		7.2E -1	06	2.5E 0	-3.1E -1
	(0)		(-2.1 - 4.1)E 0 (0/ 4)		(8.3 - 41.2)E -1 (0/ 2)	(-3.3 - 2.4)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 2013)

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)		5.8E 0	06	9.1E 0	2.0E 0
	(0)		(2.5 - 14.2)E 0 (1/ 4)		(3.9 - 14.2)E 0 (1/ 2)	(-2.4 - 9.0)E 0 (0/ 4)
Pb-214	(8)		9.5E 0	09	1.1E 1	-1.1E 1
	(0)		(4.7 - 16.5)E 0 (0/ 4)		(4.7 - 16.5)E 0 (0/ 2)	(-4.3 - 1.2)E 1 (0/ 4)
Bi-214	(8)		8.8E 0	56	4.1E 1	2.1E 1
	(0)		(6.4 - 229.0)E -1 (1/ 4)		(8.5 - 74.5)E 0 (1/ 2)	(-8.6 - 745.0)E -1 (1/ 4)
Ra-226	(8)		8.8E 0	56	4.1E 1	2.1E 1
	(0)		(6.4 - 229.0)E -1 (1/ 4)		(8.5 - 74.5)E 0 (1/ 2)	(-8.6 - 745.0)E -1 (1/ 4)
Ac-228	(8)		1.0E 1	09	1.7E 1	4.9E 0
	(0)		(-7.6 - 20.4)E 0 (2/ 4)		(1.4 - 2.0)E 1 (1/ 2)	(-2.5 - 123.0)E -1 (0/ 4)
Th-228	(8)		5.8E 0	06	9.1E 0	2.0E 0
	(0)		(2.5 - 14.2)E 0 (1/ 4)		(3.9 - 14.2)E 0 (1/ 2)	(-2.4 - 9.0)E 0 (0/ 4)
Th-230	(8)		8.8E 0	56	4.1E 1	2.1E 1
	(0)		(6.4 - 229.0)E -1 (1/ 4)		(8.5 - 74.5)E 0 (1/ 2)	(-8.6 - 745.0)E -1 (1/ 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 2013)

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)		-6.1E 1 (-1.2 - 0.0)E 2 (0/ 2)	06	-6.1E 1 (-1.2 - 0.0)E 2 (0/ 2)	-1.6E 2 (-3.2 - 0.0)E 2 (0/ 2)
Sr-90 (4) (0)		-6.1E 1 (-1.1 - -0.2)E 2 (0/ 2)	56	-3.7E 1 (-8.3 - 0.9)E 1 (0/ 2)	-3.7E 1 (-8.3 - 0.9)E 1 (0/ 2)

* Non-Routine refers to those radionuclides that exceeded the Reporting Levels in ODCM Table A.9.1-3.
** The fraction of detectable measurements (i.e., > 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 (AL-05) near the plant discharge 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 might 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 naturally occurring radionuclides detected include Be-7 (3 samples), Th-228 (2 samples) and Ac-228 (2 samples). No plant-related radionuclides were detected in any sample from either the indicator or control stations. Unlike past years which included the occasional detection of I-131 in control location samples due to sources unrelated to plant operations, no I-131 was seen in Irish Moss in 2013.

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

The REMP Summary Table 3.10-1 lists the range of analysis results by radionuclide for Indicator and Control Stations for Irish Moss 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 2013)

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**)
Be-7	(4)		1.7E 2	55	1.9E 2	1.9E 2
	(0)		(5.2 - 27.8)E 1 (1/ 2)		(7.8 - 30.9)E 1 (2/ 2)	(7.8 - 30.9)E 1 (2/ 2)
K-40	(4)		6.7E 3	05	6.7E 3	4.8E 3
	(0)		(3.6 - 9.8)E 3 (2/ 2)		(3.6 - 9.8)E 3 (2/ 2)	(3.4 - 6.1)E 3 (2/ 2)
Cr-51	(4)		-2.0E 1	55	7.4E 0	7.4E 0
	(0)		(-2.8 - -1.1)E 1 (0/ 2)		(-5.2 - 20.0)E 0 (0/ 2)	(-5.2 - 20.0)E 0 (0/ 2)
Mn-54	(4)		-3.7E -1	55	8.7E -1	8.7E -1
	(0)		(-1.7 - 0.9)E 0 (0/ 2)		(-4.7 - 22.1)E -1 (0/ 2)	(-4.7 - 22.1)E -1 (0/ 2)
Co-57	(4)		3.2E 0	05	3.2E 0	-1.3E 0
	(0)		(9.3 - 55.6)E -1 (0/ 2)		(9.3 - 55.6)E -1 (0/ 2)	(-1.3 - -1.3)E 0 (0/ 2)
Co-58	(4)		3.3E 0	05	3.3E 0	1.6E 0
	(0)		(-3.2 - 9.8)E 0 (0/ 2)		(-3.2 - 9.8)E 0 (0/ 2)	(2.6 - 29.3)E -1 (0/ 2)
Fe-59	(4)		4.5E 0	05	4.5E 0	-4.3E 0
	(0)		(1.2 - 7.9)E 0 (0/ 2)		(1.2 - 7.9)E 0 (0/ 2)	(-5.0 - -3.6)E 0 (0/ 2)
Co-60	(4)		1.0E 0	05	1.0E 0	-3.4E -1
	(0)		(1.3 - 19.2)E -1 (0/ 2)		(1.3 - 19.2)E -1 (0/ 2)	(-4.3 - -2.4)E -1 (0/ 2)
Zn-65	(4)		3.3E 0	55	3.9E 0	3.9E 0
	(0)		(3.1 - 3.6)E 0 (0/ 2)		(1.6 - 6.1)E 0 (0/ 2)	(1.6 - 6.1)E 0 (0/ 2)
Se-75	(4)		-6.7E 0	55	-8.6E -1	-8.6E -1
	(0)		(-1.5 - 0.1)E 1 (0/ 2)		(-1.8 - 0.0)E 0 (0/ 2)	(-1.8 - 0.0)E 0 (0/ 2)
Nb-95	(4)		1.3E 0	05	1.3E 0	-8.6E -1
	(0)		(0.0 - 2.6)E 0 (0/ 2)		(0.0 - 2.6)E 0 (0/ 2)	(-1.7 - 0.0)E 0 (0/ 2)
Zr-95	(4)		4.6E 0	05	4.6E 0	2.0E 0
	(0)		(8.4 - 84.5)E -1 (0/ 2)		(8.4 - 84.5)E -1 (0/ 2)	(9.4 - 30.5)E -1 (0/ 2)
Ru-103	(4)		2.1E 0	05	2.1E 0	6.9E -1
	(0)		(-1.4 - 44.2)E -1 (0/ 2)		(-1.4 - 44.2)E -1 (0/ 2)	(-6.1 - 20.0)E -1 (0/ 2)

* Non-Routine refers to those radionuclides that exceeded the Reporting Levels in ODCM Table A.9.1-3.
** The fraction of detectable measurements (i.e., > 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 2013)

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**)
Ru-106	(4)		1.9E 1	05	1.9E 1	-1.9E 1
	(0)		(-2.0 - 5.8)E 1 (0/ 2)		(-2.0 - 5.8)E 1 (0/ 2)	(-2.8 - -1.0)E 1 (0/ 2)
Ag-108m	(4)		2.5E 0	05	2.5E 0	9.0E -2
	(0)		(-4.8 - 9.8)E 0 (0/ 2)		(-4.8 - 9.8)E 0 (0/ 2)	(-1.8 - 2.0)E 0 (0/ 2)
Ag-110m	(4)		-2.6E 0	55	2.6E 0	2.6E 0
	(0)		(-3.1 - -2.1)E 0 (0/ 2)		(-1.5 - 6.7)E 0 (0/ 2)	(-1.5 - 6.7)E 0 (0/ 2)
Sb-124	(4)		-6.8E 0	55	1.1E 0	1.1E 0
	(0)		(-1.5 - 0.1)E 1 (0/ 2)		(-2.9 - 5.2)E 0 (0/ 2)	(-2.9 - 5.2)E 0 (0/ 2)
Sb-125	(4)		1.5E 1	05	1.5E 1	-3.1E 0
	(0)		(4.3 - 25.3)E 0 (0/ 2)		(4.3 - 25.3)E 0 (0/ 2)	(-6.6 - 0.4)E 0 (0/ 2)
I-131	(4)	60	1.7E 1	05	1.7E 1	7.1E 0
	(0)		(1.5 - 1.9)E 1 (0/ 2)		(1.5 - 1.9)E 1 (0/ 2)	(6.2 - 8.0)E 0 (0/ 2)
Cs-134	(4)	60	2.6E 0	55	3.3E 0	3.3E 0
	(0)		(-1.4 - 6.7)E 0 (0/ 2)		(3.2 - 3.4)E 0 (0/ 2)	(3.2 - 3.4)E 0 (0/ 2)
Cs-137	(4)	80	9.0E -1	05	9.0E -1	-1.4E 0
	(0)		(3.6 - 176.0)E -2 (0/ 2)		(3.6 - 176.0)E -2 (0/ 2)	(-2.0 - -0.8)E 0 (0/ 2)
Ba-140	(4)		-3.2E 1	55	-1.6E -1	-1.6E -1
	(0)		(-4.3 - -2.2)E 1 (0/ 2)		(-6.0 - 5.7)E 0 (0/ 2)	(-6.0 - 5.7)E 0 (0/ 2)
La-140	(4)		-4.7E 0	55	-3.2E 0	-3.2E 0
	(0)		(-6.2 - -3.2)E 0 (0/ 2)		(-3.6 - -2.8)E 0 (0/ 2)	(-3.6 - -2.8)E 0 (0/ 2)
Ce-141	(4)		4.5E 0	05	4.5E 0	-1.1E -1
	(0)		(2.2 - 6.9)E 0 (0/ 2)		(2.2 - 6.9)E 0 (0/ 2)	(-2.2 - 0.0)E -1 (0/ 2)

* Non-Routine refers to those radionuclides that exceeded the Reporting Levels in ODCM Table A.9.1-3.
** The fraction of detectable measurements (i.e., > 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 2013)

MEDIUM: Irish Moss (AL) UNITS: pCi/kg

Radionuclides (No. Analyses) (Non-Routine*)		Required LLD	Indicator Stations Mean Range (No. Detected**)	Station	Station With Highest Mean Mean Range (No. Detected**)	Control Stations Mean Range (No. Detected**)
Ce-144	(4)		-9.6E 0	55	1.3E 0	1.3E 0
	(0)		(-1.1 - -0.8)E 1 (0/ 2)		(-4.4 - 29.6)E -1 (0/ 2)	(-4.4 - 29.6)E -1 (0/ 2)
Ac-228	(4)		4.3E 1	05	4.3E 1	1.7E 1
	(0)		(4.0 - 4.6)E 1 (1/ 2)		(4.0 - 4.6)E 1 (1/ 2)	(4.5 - 29.8)E 0 (1/ 2)
Th-228	(4)		3.5E 1	05	3.5E 1	1.9E 1
	(0)		(1.3 - 5.7)E 1 (1/ 2)		(1.3 - 5.7)E 1 (1/ 2)	(4.7 - 33.6)E 0 (1/ 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.

3.11 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 2013 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 328694001, 2, & 3), green beans in July (Lab numbers 330576001, 2, & 3) and a second set of green beans in August from location TF-06 (Lab number 332176003), plus lettuce from location TF-02 (Lab number 332176001) and swiss chard from TF-03 (Lab number 332176002).

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 naturally occurring radionuclide detected was Be-7 (5 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 2013)

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

Radionuclides (No. Analyses) (Non-Routine*)	Required LLD	Indicator Stations Mean Range (No. Detected**)	Station	Station With Highest Mean Mean Range (No. Detected**)	Control Stations Mean Range (No. Detected**)
Be-7 (9) (0)		5.1E 1 (0.0 - 1.3)E 2 (4/ 6)	03	6.7E 1 (1.4 - 12.6)E 1 (2/ 3)	4.5E 1 (3.4 - 123.0)E 0 (1/ 3)
K-40 (9) (0)		2.3E 3 (1.1 - 4.4)E 3 (6/ 6)	03	2.5E 3 (1.1 - 4.4)E 3 (3/ 3)	2.0E 3 (1.2 - 2.5)E 3 (3/ 3)
Cr-51 (9) (0)		7.3E 0 (-2.3 - 2.9)E 1 (0/ 6)	02	8.3E 0 (5.4 - 13.3)E 0 (0/ 3)	-8.2E 0 (-2.6 - 1.6)E 1 (0/ 3)
Mn-54 (9) (0)		-7.3E -1 (-2.3 - 1.3)E 0 (0/ 6)	02	-5.5E -1 (-2.0 - 1.3)E 0 (0/ 3)	-9.5E -1 (-2.7 - 1.0)E 0 (0/ 3)
Co-57 (9) (0)		5.3E -1 (2.2 - 8.1)E -1 (0/ 6)	03	5.5E -1 (2.2 - 7.7)E -1 (0/ 3)	-6.6E -1 (-1.6 - -0.1)E 0 (0/ 3)
Co-58 (9) (0)		-2.2E -1 (-2.1 - 1.9)E 0 (0/ 6)	02	5.0E -1 (-2.5 - 18.6)E -1 (0/ 3)	-2.9E -1 (-1.6 - 0.6)E 0 (0/ 3)
Fe-59 (9) (0)		-1.2E 0 (-4.4 - 2.2)E 0 (0/ 6)	03	4.6E -2 (-1.7 - 2.2)E 0 (0/ 3)	-1.2E 0 (-4.2 - 1.1)E 0 (0/ 3)
Co-60 (9) (0)		-6.5E -1 (-2.1 - 0.6)E 0 (0/ 6)	06	3.2E 0 (3.0 - 52.1)E -1 (0/ 3)	3.2E 0 (3.0 - 52.1)E -1 (0/ 3)
Zn-65 (9) (0)		-5.9E -1 (-5.9 - 4.2)E 0 (0/ 6)	03	3.0E 0 (1.3 - 4.2)E 0 (0/ 3)	-3.1E 0 (-8.6 - 2.2)E 0 (0/ 3)
Se-75 (9) (0)		6.3E -1 (-8.2 - 34.9)E -1 (0/ 6)	02	1.1E 0 (-4.8 - 34.9)E -1 (0/ 3)	-6.4E -1 (-2.7 - 1.6)E 0 (0/ 3)
Nb-95 (9) (0)		1.5E 0 (-2.8 - 23.9)E -1 (0/ 6)	02	1.5E 0 (1.4 - 1.6)E 0 (0/ 3)	-1.3E 0 (-3.1 - -0.2)E 0 (0/ 3)
Zr-95 (9) (0)		9.3E -1 (-1.2 - 2.4)E 0 (0/ 6)	03	1.7E 0 (8.7 - 23.8)E -1 (0/ 3)	6.7E -1 (-9.1 - 26.8)E -1 (0/ 3)
Ru-103 (9) (0)		-2.3E -1 (-2.8 - 3.5)E 0 (0/ 6)	02	9.9E -1 (-9.5 - 35.2)E -1 (0/ 3)	4.3E -1 (-1.4 - 1.9)E 0 (0/ 3)

* Non-Routine refers to those radionuclides that exceeded the Reporting Levels in ODCM Table A.9.1-3.
** The fraction of detectable measurements (i.e., > 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 2013)

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**)
Ru-106	(9)		5.4E 0	03	9.5E 0	-3.9E 0
	(0)		(-1.7 - 4.1)E 1 (0/ 6)		(-1.7 - 4.1)E 1 (0/ 3)	(-1.8 - 0.7)E 1 (0/ 3)
Ag-108m	(9)		-4.3E -1	06	5.1E -1	5.1E -1
	(0)		(-2.7 - 0.9)E 0 (0/ 6)		(-1.6 - 12.9)E -1 (0/ 3)	(-1.6 - 12.9)E -1 (0/ 3)
Ag-110m	(9)		1.9E -1	06	1.8E 0	1.8E 0
	(0)		(-1.5 - 2.6)E 0 (0/ 6)		(4.5 - 37.7)E -1 (0/ 3)	(4.5 - 37.7)E -1 (0/ 3)
Sb-124	(9)		2.3E 0	03	4.2E 0	9.1E -1
	(0)		(-3.0 - 4.5)E 0 (0/ 6)		(3.5 - 4.5)E 0 (0/ 3)	(-2.2 - 3.3)E 0 (0/ 3)
Sb-125	(9)		1.0E 0	06	1.6E 0	1.6E 0
	(0)		(-1.9 - 4.8)E 0 (0/ 6)		(-3.5 - 10.1)E 0 (0/ 3)	(-3.5 - 10.1)E 0 (0/ 3)
I-131	(9)	60	3.4E -1	03	1.0E 0	-4.2E 0
	(0)		(-4.9 - 6.5)E 0 (0/ 6)		(-4.9 - 6.5)E 0 (0/ 3)	(-7.1 - -0.6)E 0 (0/ 3)
Cs-134	(9)	60	5.8E -1	06	2.2E 0	2.2E 0
	(0)		(-1.3 - 2.7)E 0 (0/ 6)		(1.6 - 2.8)E 0 (0/ 3)	(1.6 - 2.8)E 0 (0/ 3)
Cs-137	(9)	80	8.4E -1	02	8.5E -1	-4.2E -1
	(0)		(-1.7 - 2.7)E 0 (0/ 6)		(-1.2 - 2.7)E 0 (0/ 3)	(-2.7 - 1.7)E 0 (0/ 3)
Ba-140	(9)		7.7E -1	02	3.3E 0	-1.7E 1
	(0)		(-1.1 - 2.4)E 1 (0/ 6)		(-7.2 - 23.9)E 0 (0/ 3)	(-2.2 - -1.2)E 1 (0/ 3)
La-140	(9)		4.3E -1	06	1.5E 0	1.5E 0
	(0)		(-1.5 - 4.0)E 0 (0/ 6)		(-1.4 - 4.0)E 0 (0/ 3)	(-1.4 - 4.0)E 0 (0/ 3)
Ce-141	(9)		1.5E -2	02	1.0E 0	5.1E -1
	(0)		(-4.7 - 4.5)E 0		(-4.7 - 4.5)E 0	(-4.2 - 6.2)E 0
Ce-144	(9)		1.1E 0	02	2.2E 0	-6.5E 0
	(0)		(-3.0 - 4.1)E 0 (0/ 6)		(7.6 - 41.0)E -1 (0/ 3)	(-1.8 - -0.1)E 1 (0/ 3)
Ac-228	(9)		1.8E 0	03	7.5E 0	-1.2E 1
	(0)		(-1.8 - 2.0)E 1 (0/ 6)		(-4.0 - 20.2)E 0 (0/ 3)	(-2.4 - 0.4)E 1 (0/ 3)
Th-228	(9)		-6.3E -1	06	2.4E 0	2.4E 0
	(0)		(-2.6 - 3.2)E 0 (0/ 6)		(1.3 - 571.0)E -2 (0/ 3)	(1.3 - 571.0)E -2 (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 that broad leafy vegetation (TG) samples grown in the nearest of two different offsite locations with the highest D/Q, and from 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 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 2013 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. Samples consisted of tree leaves, as broad leaf vegetation provides increased reliability for sample availability. For 2013, a total of 18 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 other naturally occurring radionuclides detected were Ac-228 (5 samples) and Th-228 (5 samples). Fission product related Cs-137 was detected positive in 3 of the 18 samples (2 from control location TG-10 at an average concentration of 25.5 pCi/kg, and 1 sample from indicator location TG-09 at 13.8 pCi/kg). Cesium-137 has been detected in broad leafy vegetation in past years at comparable activity levels as detected in 2013, and evaluated as to the source. The conclusion of the assessment was that world-wide fallout from events un-related to Seabrook operations, such as the March 11, 2011 Fukushima Daiichi accident in Japan and past atmospheric nuclear weapons testing, have led to Cs-137 being deposited on the ground surface in the northeast United States with subsequent root uptake into leaves of long-lived vegetation. This conclusion continues to be supported by the fact that Seabrook Station had no detectable Cs-137 in any gaseous effluents in recent years, including 2013, and by the prevalence of detectable Cs-137 at the control location compared to in-close indicator sampling points. 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 to 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 2013)

MEDIUM: Vegetation (TG) UNITS: pCi/kg

Radionuclides (No. Analyses) (Non-Routine*)	Required LLD	Indicator Stations Mean Range (No. Detected**)	Station With Highest Mean Station	Station With Highest Mean Mean Range (No. Detected**)	Control Stations Mean Range (No. Detected**)
Be-7 (18) (0)		1.4E 3 (5.1 - 31.1)E 2 (12/ 12)	08	1.8E 3 (5.9 - 31.1)E 2 (6/ 6)	1.2E 3 (4.3 - 20.3)E 2 (6/ 6)
K-40 (18) (0)		3.9E 3 (2.9 - 4.9)E 3 (12/ 12)	09	4.0E 3 (2.9 - 4.8)E 3 (6/ 6)	3.2E 3 (2.5 - 4.3)E 3 (6/ 6)
Cr-51 (18) (0)		-2.6E 1 (-8.3 - 5.1)E 1 (0/ 12)	10	6.3E 0 (-2.8 - 2.8)E 1 (0/ 6)	6.3E 0 (-2.8 - 2.8)E 1 (0/ 6)
Mn-54 (18) (0)		-3.7E -1 (-6.8 - 5.4)E 0 (0/ 12)	09	1.4E 0 (-2.8 - 3.9)E 0 (0/ 6)	6.0E -1 (-8.0 - 23.3)E -1 (0/ 6)
Co-57 (18) (0)		2.8E -2 (-3.5 - 4.5)E 0 (0/ 12)	10	2.1E 0 (-2.8 - 75.9)E -1 (0/ 6)	2.1E 0 (-2.8 - 75.9)E -1 (0/ 6)
Co-58 (18) (0)		-1.1E 0 (-1.1 - 0.2)E 1 (0/ 12)	08	6.1E -1 (-2.2 - 2.5)E 0 (0/ 6)	-1.9E 0 (-4.7 - 1.4)E 0 (0/ 6)
Fe-59 (18) (0)		4.8E -1 (-6.5 - 9.5)E 0 (0/ 12)	10	1.2E 1 (-9.2 - 311.0)E -1 (0/ 6)	1.2E 1 (-9.2 - 311.0)E -1 (0/ 6)
Co-60 (18) (0)		-5.7E -1 (-5.9 - 3.2)E 0 (0/ 12)	09	1.2E 0 (0.0 - 3.2)E 0 (0/ 6)	5.6E -1 (-1.1 - 0.6)E 1 (0/ 6)
Zn-65 (18) (0)		2.8E 0 (-1.9 - 3.3)E 1 (0/ 12)	09	4.2E 0 (-1.9 - 3.3)E 1 (0/ 6)	2.3E 0 (-5.5 - 12.8)E 0 (0/ 6)
Se-75 (18) (0)		1.2E -1 (-7.9 - 5.9)E 0 (0/ 12)	08	1.8E 0 (-7.9 - 5.9)E 0 (0/ 6)	-1.4E 0 (-1.2 - 0.5)E 1 (0/ 6)
Nb-95 (18) (0)		2.0E 0 (-4.3 - 9.3)E 0 (0/ 12)	09	3.6E 0 (-4.3 - 9.3)E 0 (0/ 6)	-2.7E -1 (-4.1 - 4.4)E 0 (0/ 6)
Zr-95 (18) (0)		1.2E -1 (-9.9 - 8.9)E 0 (0/ 12)	10	3.4E 0 (-6.5 - 8.6)E 0 (0/ 6)	3.4E 0 (-6.5 - 8.6)E 0 (0/ 6)

* Non-Routine refers to those radionuclides that exceeded the Reporting Levels in ODCM Table A.9.1-3.
** The fraction of detectable measurements (i.e., > 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 2013)

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-103	(18)		1.6E 0	08	2.9E 0	1.3E 0
	(0)		(-3.5 - 9.5)E 0		(-1.1 - 9.5)E 0	(-2.3 - 3.3)E 0
			(0/ 12)		(0/ 6)	(0/ 6)
Ru-106	(18)		5.5E 0	08	2.5E 1	9.9E 0
	(0)		(-1.0 - 0.9)E 2		(-3.1 - 9.2)E 1	(-3.0 - 5.4)E 1
			(0/ 12)		(0/ 6)	(0/ 6)
Ag-108m	(18)		-1.1E 0	10	1.8E 0	1.8E 0
	(0)		(-7.2 - 3.5)E 0		(4.8 - 467.0)E -2	(4.8 - 467.0)E -2
			(0/ 12)		(0/ 6)	(0/ 6)
Ag-110m	(18)		-3.4E 0	10	4.0E 0	4.0E 0
	(0)		(-1.2 - 0.3)E 1		(-2.6 - 10.6)E 0	(-2.6 - 10.6)E 0
			(0/ 12)		(0/ 6)	(0/ 6)
Sb-124	(18)		-2.1E -1	09	1.7E 0	-3.5E 0
	(0)		(-1.3 - 1.0)E 1		(-5.2 - 5.2)E 0	(-7.1 - 8.6)E 0
			(0/ 12)		(0/ 6)	(0/ 6)
Sb-125	(18)		1.2E 0	09	1.8E 0	-2.9E 0
	(0)		(-8.5 - 9.5)E 0		(-3.6 - 9.5)E 0	(-2.3 - 1.0)E 1
			(0/ 12)		(0/ 6)	(0/ 6)
I-131	(18)	60	-1.4E -1	10	8.4E 0	8.4E 0
	(0)		(-1.3 - 1.4)E 1		(1.1 - 222.0)E -1	(1.1 - 222.0)E -1
			(0/ 12)		(0/ 6)	(0/ 6)
Cs-134	(18)	60	3.0E 0	09	6.3E 0	1.4E 0
	(0)		(-5.2 - 12.8)E 0		(-1.4 - 12.8)E 0	(-5.3 - 6.3)E 0
			(0/ 12)		(0/ 6)	(0/ 6)
Cs-137	(18)	80	9.8E -1	10	1.1E 1	1.1E 1
	(0)		(-1.4 - 1.4)E 1		(-4.5 - 26.5)E 0	(-4.5 - 26.5)E 0
			(1/ 12)		(2/ 6)	(2/ 6)
Ba-140	(18)		8.1E 0	09	1.1E 1	2.9E 0
	(0)		(-1.7 - 3.7)E 1		(-6.0 - 37.3)E 0	(-2.5 - 3.3)E 1
			(0/ 12)		(0/ 6)	(0/ 6)
La-140	(18)		-1.4E 0	08	1.7E 0	2.7E -2
	(0)		(-1.4 - 1.7)E 1		(-1.4 - 1.7)E 1	(-8.2 - 14.6)E 0
			(0/ 12)		(0/ 6)	(0/ 6)
Ce-141	(18)		-3.4E 0	10	4.4E 0	4.4E 0
	(0)		(-3.1 - 0.7)E 1		(-2.8 - 12.9)E 0	(-2.8 - 12.9)E 0
			(0/ 12)		(0/ 6)	(0/ 6)

* Non-Routine refers to those radionuclides that exceeded the Reporting Levels in ODCM Table A.9.1-3.
** The fraction of detectable measurements (i.e., > 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 2013)

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**)
Ce-144 (18) (0)		-5.2E 0 (-5.4 - 2.9)E 1 (0/ 12)	09	3.2E -1 (-2.5 - 2.9)E 1 (0/ 6)	-6.5E 0 (-4.2 - 1.2)E 1 (0/ 6)
Ac-228 (18) (0)		5.2E 1 (0.0 - 2.1)E 2 (4/ 12)	08	6.1E 1 (0.0 - 2.1)E 2 (2/ 6)	4.4E 1 (0.0 - 7.9)E 1 (1/ 6)
Th-228 (18) (0)		1.4E 1 (-6.1 - 27.4)E 0 (4/ 12)	10	1.6E 1 (-1.9 - 27.6)E 0 (1/ 6)	1.6E 1 (-1.9 - 27.6)E 0 (1/ 6)

* Non-Routine refers to those radionuclides that exceeded the Reporting Levels in ODCM Table A.9.1-3.
** The fraction of detectable measurements (i.e., > 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 designated 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 on a quarterly schedule.

The exposure rates were normalized to a standard 91-day quarter so that quarterly results from any monitoring location can be compared to another location based on an equivalent time period of exposure. A summary of the 2013 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 2013 and illustrate the naturally 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 occasion exhibited step changes at some point in the past that are related to changes in local conditions in the area of the dosimeter measurement. As an example, the outer ring TL-33 (a parking lot located 9.8 km south of the plant) was observed for several quarters in the recent past to approach or exceed the normal expected environmental fluctuations base on observed history. The average TLD exposure rate from the 2nd quarter 2011 through the 4th quarter of 2013 is reported as 21.8 mR/quarter. For the 7 prior quarters (2rd quarter 2010 to the 1st quarter 2011), the average TLD response was 18.6 mR/quarter, or approximately 17% lower than the most recent trend history. Since no other TLDs in the same sector or closer to the plant showed an average increase in measured response above the expected, the change at TL-33 was attributed to a local change in the background radiation associated with parking lot modifications and not with Seabrook Station operations. Field investigations of TL-33 indicated that the parking lot appeared to be re-graded with new fill/gravel material which could have increased the natural concentration of background radiation that the TLD measures. The expected background exposure level for location TL-33 was re-indexed to 20.6 mR/quarter in 2013 to reflect the observed change in background radiation. Two other locations (TL-01 and TL-69) also indicated changes in background exposure rates trends over time (un-related to Seabrook operations) and had there expected background exposure levels re-indexed to 17.4 mR/quarter and 13.7 mR/quarter, respectively, in 2013.

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 2013 annual mean of all indicator locations was 16.2 mR/91-day quarter while the mean of all control locations was 17.6 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. In addition, all 2013 observed differences in individual TLD location average quarterly measurements when compared with pre-operational (background) TLD average measurements (see Table 3.13-2 for pre-operational history) indicate no increase in exposure rates greater than 20% (normal random fluctuations). As a result, no direct radiation dose beyond the site boundary was attributed to station operation during 2013.

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)

2013

Sta. No.	Description	1st Quarter Exp.	1st Quarter S.D.	2nd Quarter Exp.	2nd Quarter S.D.	3rd Quarter Exp.	3rd Quarter S.D.	4th Quarter Exp.	4th Quarter S.D.	Qtr Ave Over Yr Exp.
TL-01	Brimmer's Lane	17.5	± 0.8	17.5	± 0.8	18.3	± 0.7	20.2	± 0.8	18.4
TL-02	Landing Road	13.0	± 0.5	12.9	± 0.7	13.5	± 0.6	14.8	± 0.6	13.6
TL-03	Glade Path	14.0	± 0.8	13.6	± 0.6	14.3	± 0.7	15.2	± 0.6	14.3
TL-04	Island Path	15.5	± 0.7	14.7	± 0.8	15.7	± 0.6	17.3	± 0.8	15.8
TL-05	Harbor Road	14.4	± 0.7	13.6	± 0.5	14.7	± 0.5	16.0	± 0.8	14.7
TL-06	Barge Landing	13.7	± 0.7	13.9	± 0.7	15.1	± 0.6	16.0	± 0.8	14.7
TL-07	Cross Road	11.7	± 0.7	12.0	± 0.8	12.3	± 0.7	13.7	± 0.7	12.4
TL-08	Farm Lane	14.6	± 0.6	14.6	± 0.6	16.2	± 0.6	17.4	± 0.9	15.7
TL-09	Farm Lane	15.5	± 1.5	15.4	± 0.7	16.7	± 0.6	17.7	± 0.8	16.3
TL-10	Site Boundary	16.6	± 1.0	16.2	± 0.7	15.5	± 0.7	16.8	± 0.8	16.3
TL-11	Site Boundary	15.9	± 0.8	17.1	± 0.8	17.9	± 0.7	19.0	± 0.7	17.5
TL-12	Site Boundary	16.7	± 0.9	17.3	± 0.7	18.9	± 0.8	18.4	± 0.9	17.8
TL-13	Inside Site Boundary	17.9	± 0.9	17.1	± 0.8	18.2	± 1.0	20.1	± 1.2	18.3
TL-14	Trailer Park	14.9	± 0.9	15.1	± 1.0	16.1	± 0.5	17.4	± 1.1	15.9
TL-15	Brimmer's Lane	16.4	± 0.8	17.5	± 0.7	18.7	± 0.7	20.2	± 1.1	18.2
TL-16	Brimmer's Lane	15.8	± 0.8	14.9	± 0.6	16.8	± 0.7	17.3	± 0.7	16.2
TL-17	South Road	16.0	± 0.7	15.8	± 0.7	17.4	± 0.7	17.3	± 0.9	16.6
TL-18	Mill Road	14.5	± 0.7	14.5	± 0.7	16.4	± 0.8	16.6	± 0.8	15.5
TL-19	Appledore Avenue	15.6	± 0.6	14.4	± 0.6	15.9	± 0.6	16.4	± 0.6	15.6
TL-20	Ashworth Avenue	17.2	± 0.8	16.3	± 0.7	16.8	± 0.7	18.1	± 0.8	17.1
TL-21	Route 1A	16.3	± 0.7	16.8	± 0.8	17.7	± 0.8	18.3	± 0.8	17.3
TL-22	Cable Avenue	14.3	± 0.7	15.7	± 1.0	16.0	± 0.8	16.4	± 0.7	15.6
TL-23	Ferry Road	15.5	± 0.8	15.0	± 0.6	16.1	± 0.8	16.5	± 0.7	15.8
TL-24	Ferry Lots Lane	14.0	± 0.6	14.0	± 0.8	14.7	± 0.6	15.8	± 0.7	14.6
TL-25	Elm Street	14.7	± 0.6	14.5	± 0.7	15.4	± 0.6	15.1	± 0.5	14.9
TL-26	Route 107A	14.4	± 1.1	14.7	± 0.7	15.8	± 0.8	16.6	± 1.0	15.4
TL-27	Highland Street	16.9	± 0.8	15.5	± 0.7	17.4	± 0.6	17.0	± 0.9	16.7
TL-28	Route 150	16.1	± 0.7	16.1	± 0.9	16.7	± 0.7	17.0	± 0.7	16.5
TL-29	Frying Pan Lane	15.6	± 0.8	14.5	± 0.5	16.0	± 0.9	15.7	± 0.8	15.5
TL-30	Route 27	15.9	± 0.6	16.4	± 0.8	17.3	± 0.9	17.1	± 0.7	16.7
TL-31	Alumni Drive	12.8	± 0.8	14.3	± 0.7	14.6	± 0.6	14.5	± 0.7	14.1
TL-32	SB Elementary School	16.9	± 0.8	17.5	± 0.9	18.0	± 0.8	19.5	± 0.8	18.0
TL-33	Dock Area	21.5	± 0.9	20.7	± 1.0	20.8	± 0.8	21.3	± 0.9	21.1
TL-34	Bow Street	18.5	± 1.0	18.7	± 0.8	20.5	± 0.8	20.1	± 0.8	19.5
TL-35	Lincoln Ack. School	17.5	± 0.8	18.1	± 0.6	19.1	± 0.9	19.6	± 0.9	18.6
TL-36	Route 97(Control)	15.2	± 0.9	14.1	± 0.7	15.1	± 0.6	15.8	± 0.7	15.1
TL-37	Plaistow, NH (Control)	17.0	± 1.1	18.0	± 0.7	18.1	± 0.9	19.3	± 1.2	18.1
TL-38	Hampstead, NH (Control)	19.0	± 0.9	19.3	± 0.9	20.4	± 1.0	21.4	± 1.1	20.0
TL-39	Fremont, NH (Control)	#	± #	20.7	± 1.1	21.9	± 1.0	22.1	± 1.6	21.6
TL-40	Newmarket, NH (Control)	15.5	± 0.7	17.1	± 0.6	18.5	± 1.1	17.8	± 0.7	17.2

TABLE 3.13-1 (Continued)

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

2013

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)	16.8	± 0.7	16.1	± 0.6	17.5	± 0.7	17.2	± 1.1	16.9
TL-42	Ipswich,MA (Control)	14.8	± 0.6	13.4	± 0.5	14.8	± 0.6	15.0	± 0.6	14.5
TL-43	Rocks Road Landing	13.2	± 0.6	12.3	± 0.5	13.7	± 0.7	13.4	± 0.6	13.2
TL-44	SB Education Center	14.5	± 0.7	14.1	± 0.6	15.3	± 0.5	15.9	± 0.7	15.0
TL-45	Hampton Fire Station	15.7	± 0.8	15.3	± 0.7	16.9	± 0.8	16.8	± 0.9	16.2
TL-46	SB Police Station	15.3	± 0.8	16.4	± 0.7	17.0	± 0.8	16.4	± 0.6	16.3
TL-47	Route 84	13.9	± 0.8	14.7	± 0.5	15.7	± 0.6	16.1	± 0.9	15.1
	Mean of Indicators	15.5		15.5		16.5		17.1		16.2
	Mean of Controls	16.4		17.0		18.0		18.4		17.6

TLD reported wet at change-out, results are therefore suspect and not included.

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

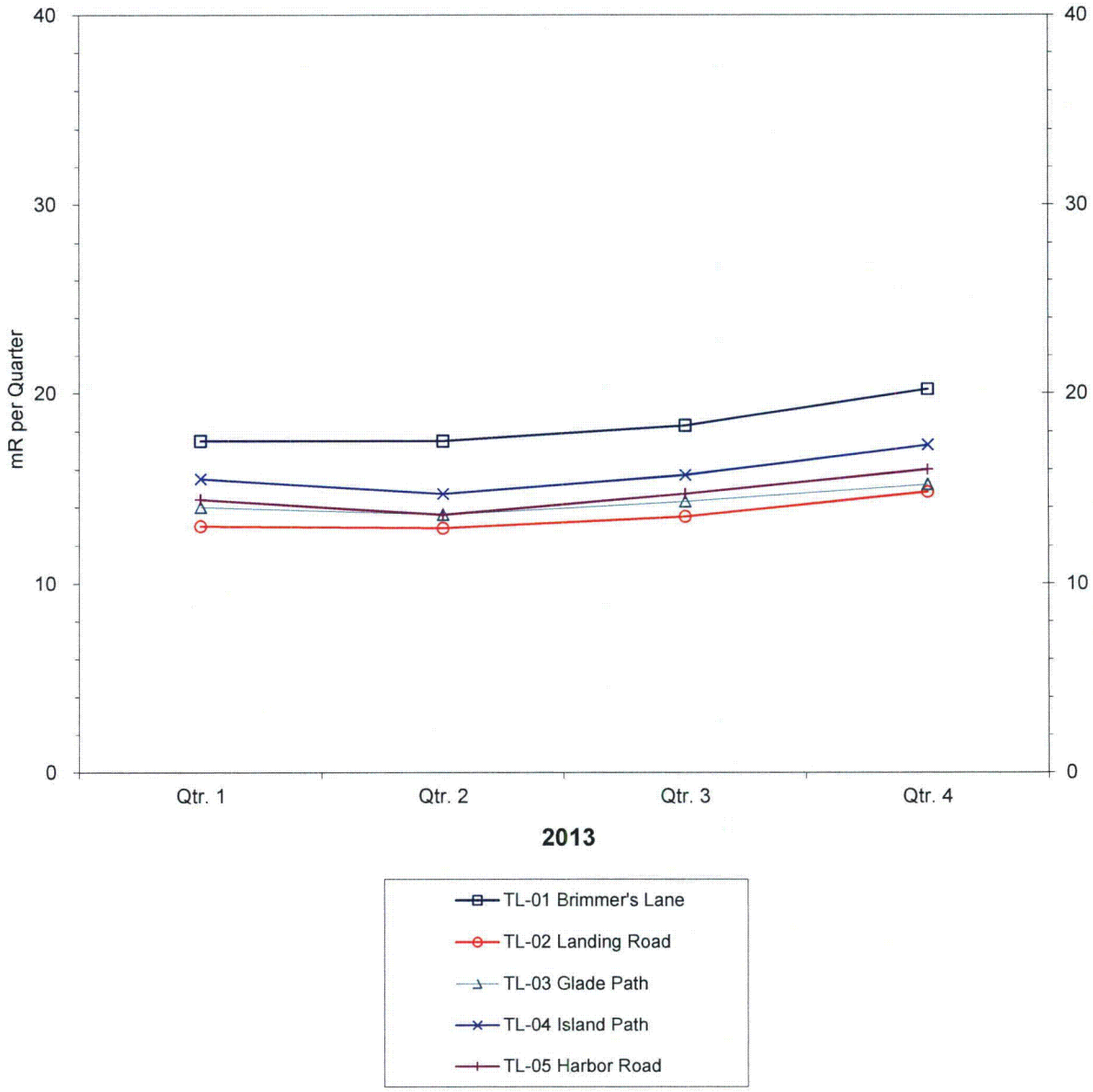


FIGURE 3.6.1

ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs)
SEABROOK STATION

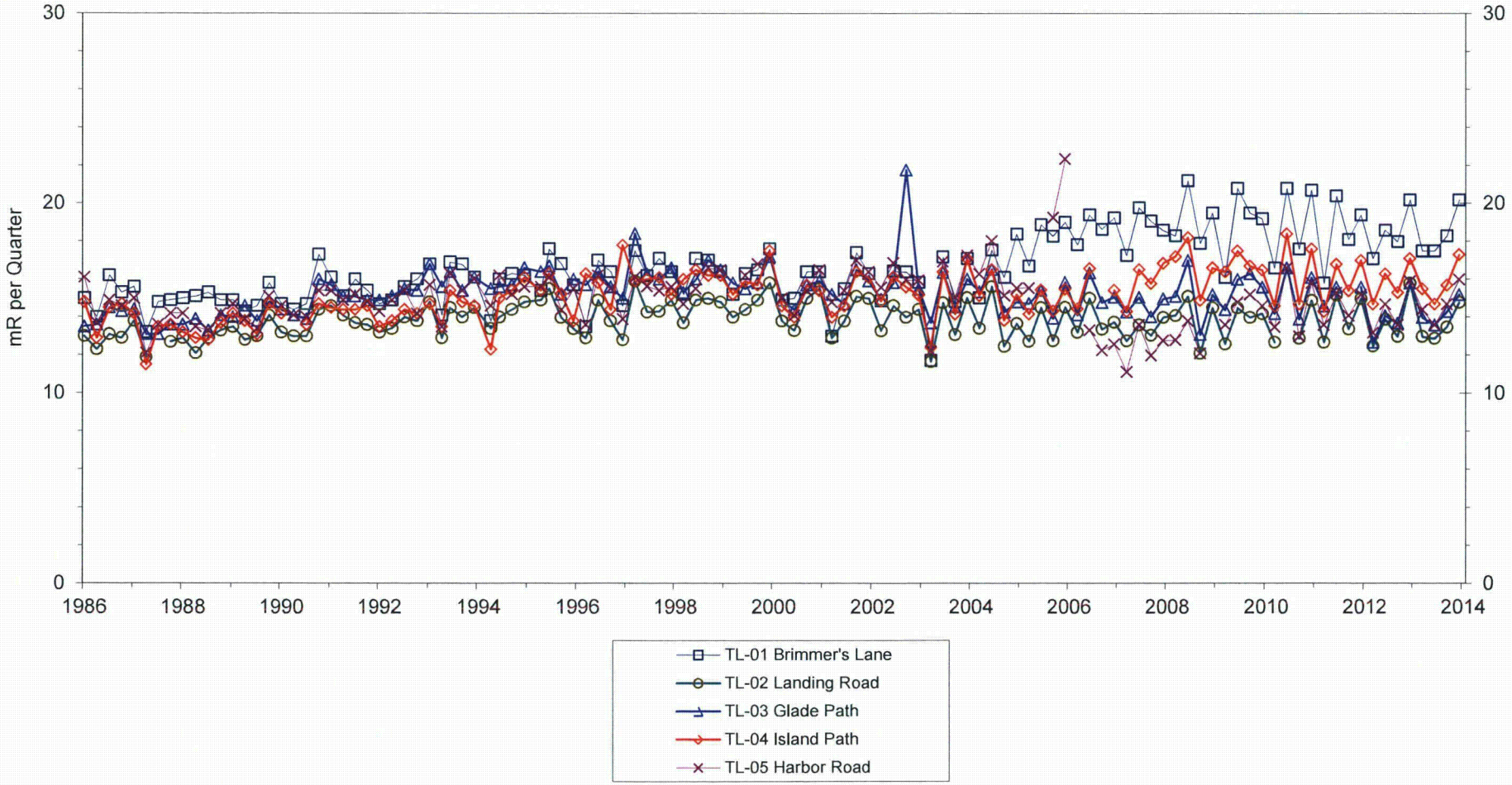


FIGURE 3.7

ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs)
SEABROOK STATION

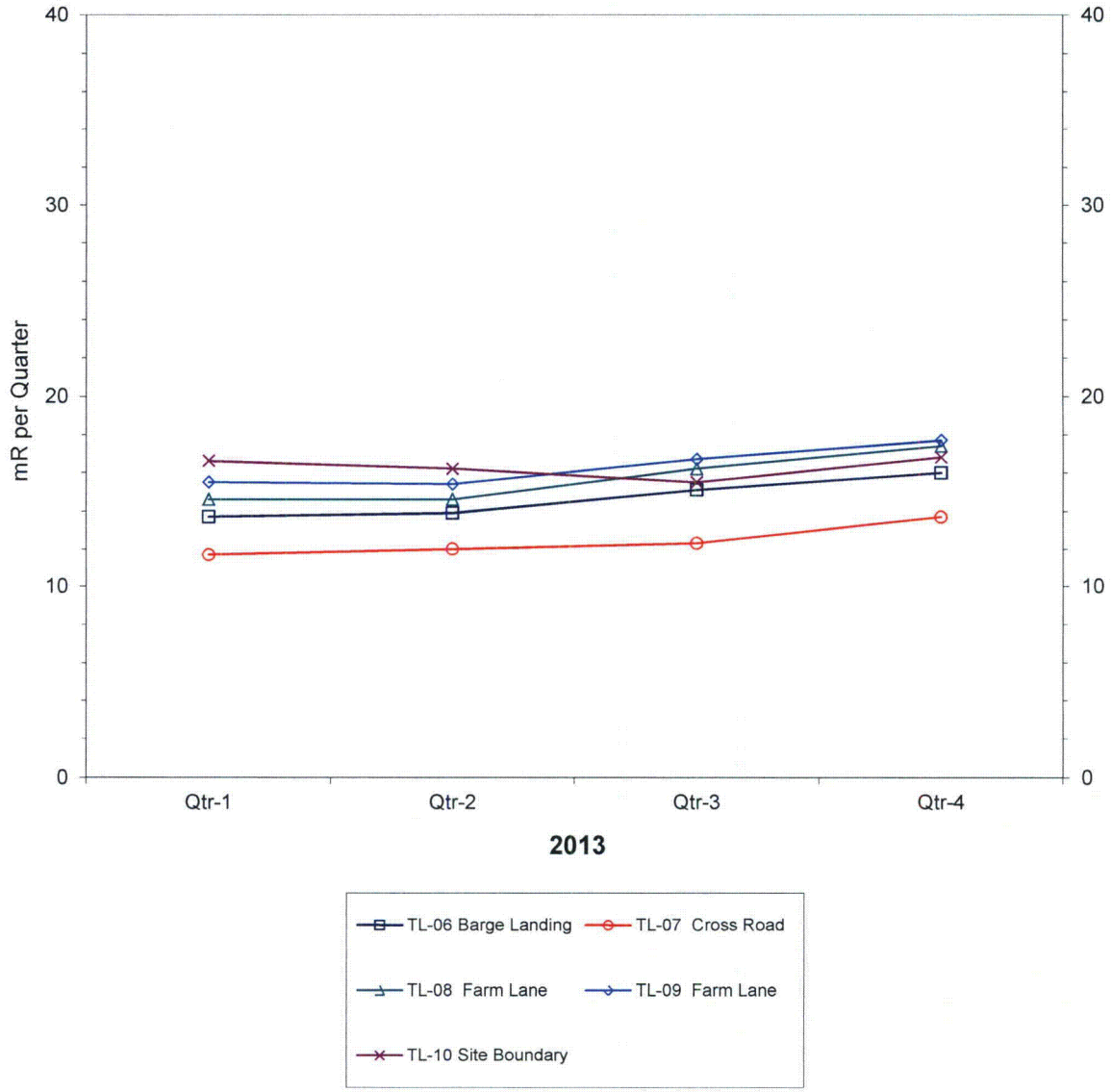


FIGURE 3.7.1

ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs)
SEABROOK STATION

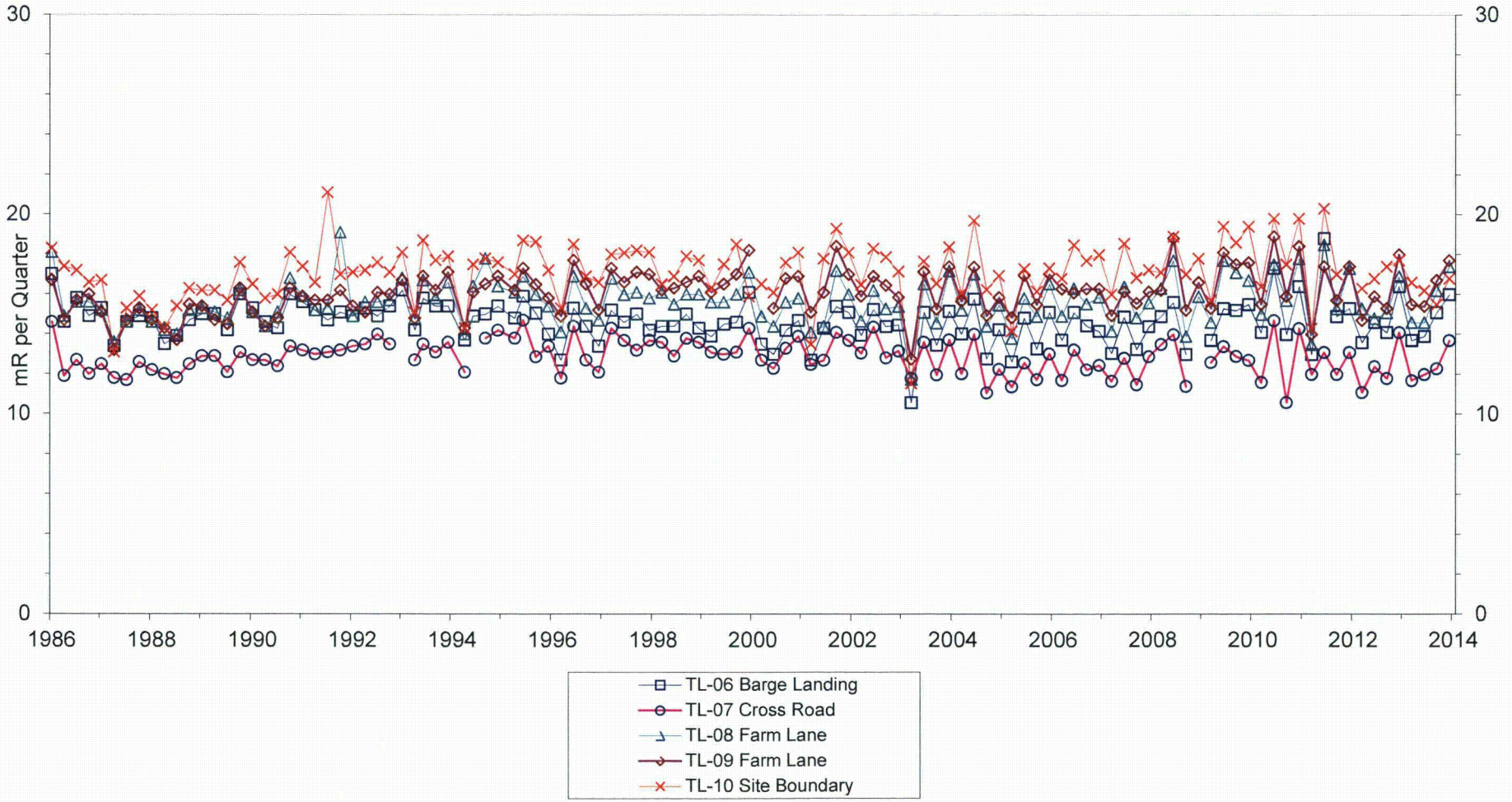


FIGURE 3.8

ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs)
SEABROOK STATION

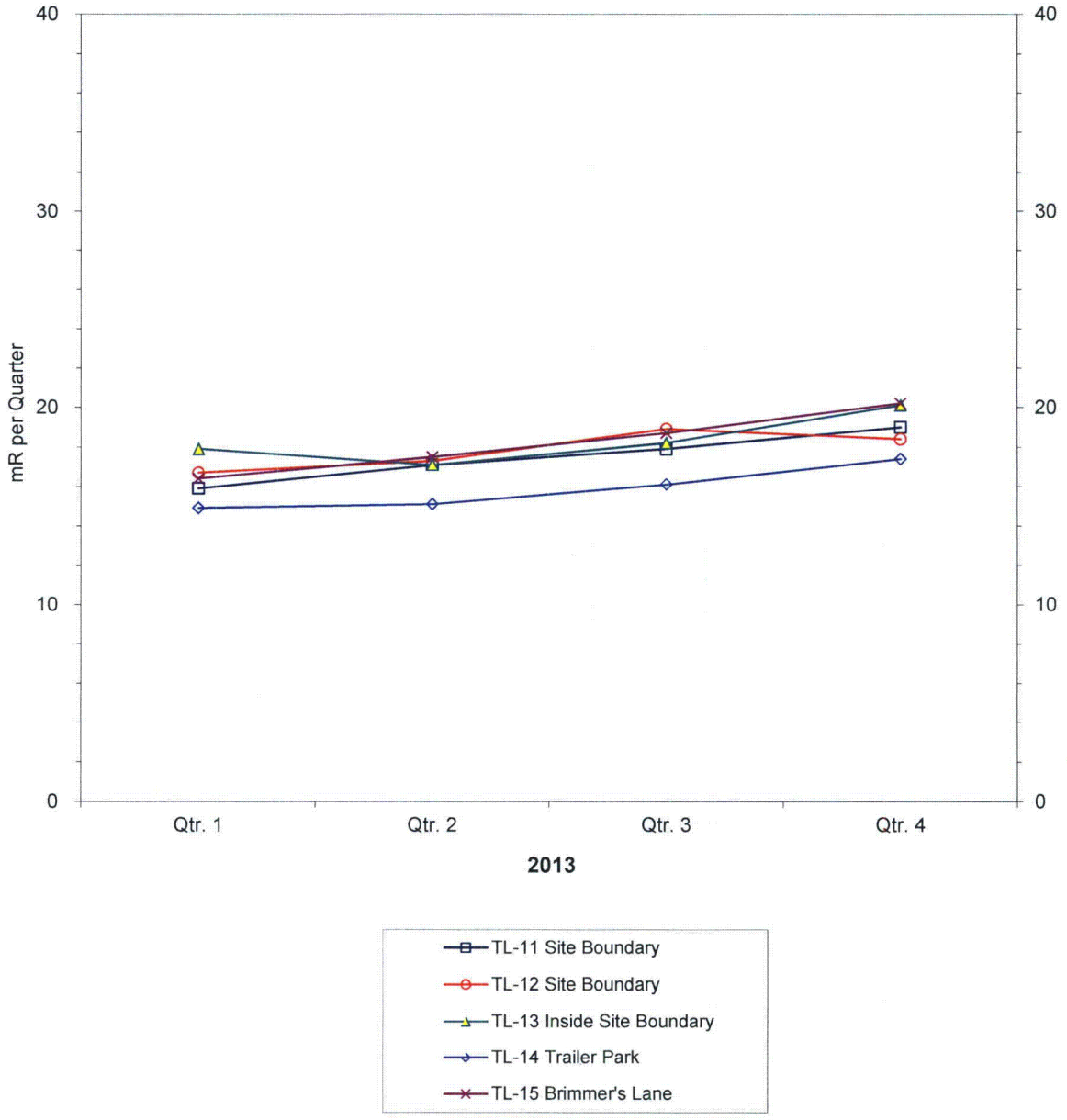


FIGURE 3.8.1

ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs)
SEABROOK STATION

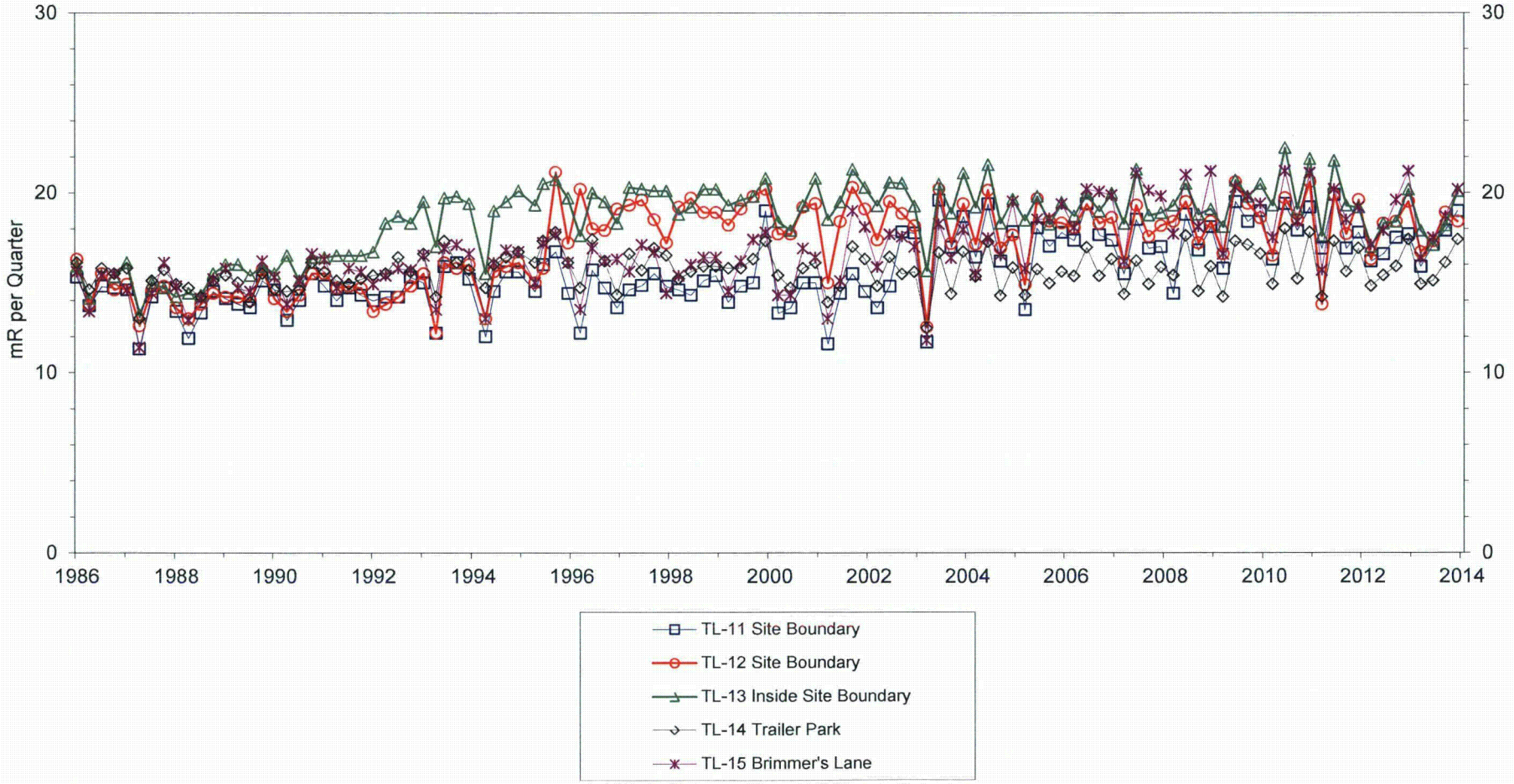


FIGURE 3.9

ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs) SEABROOK STATION

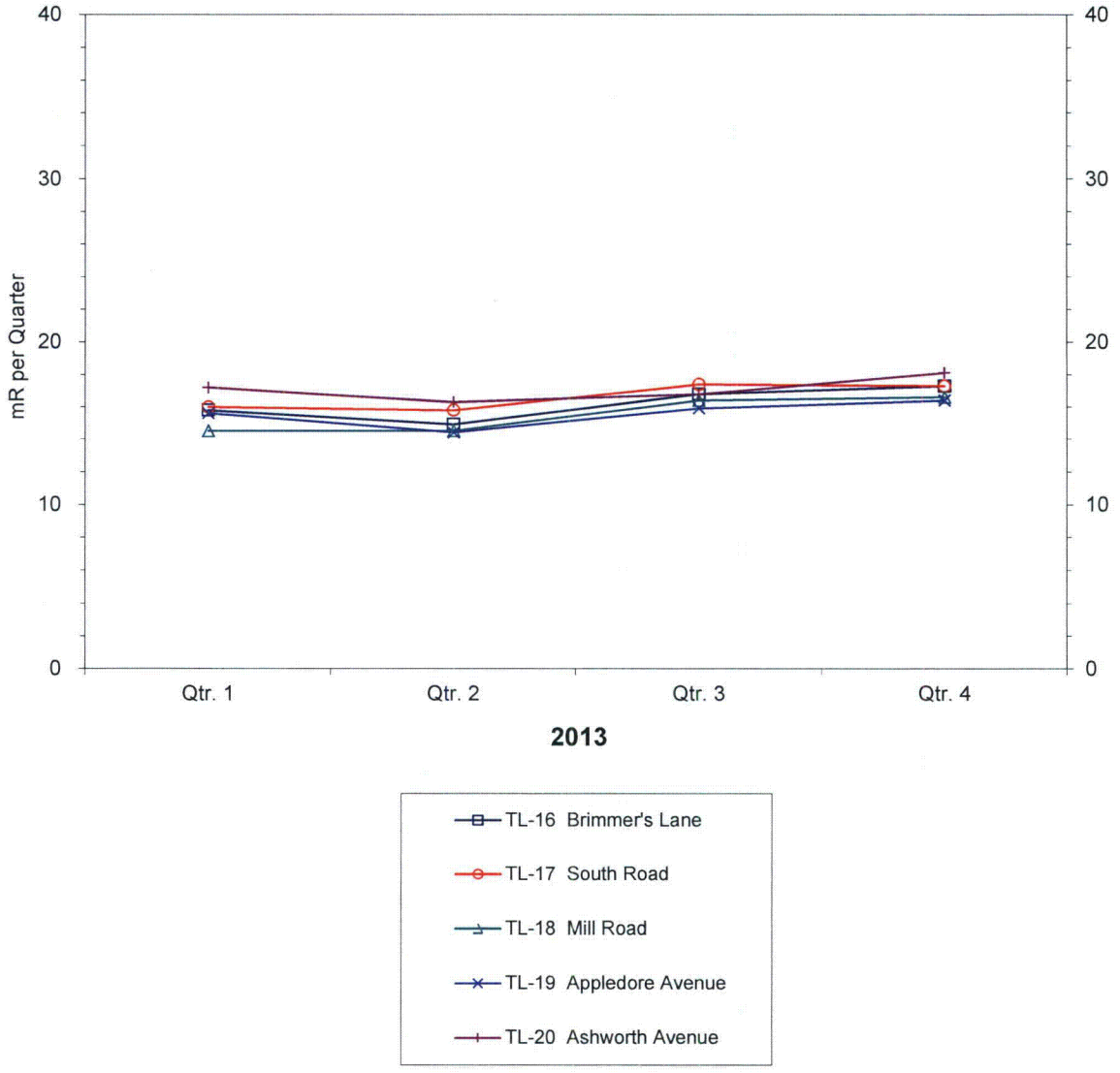


FIGURE 3.9.1

ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs) SEABROOK STATION

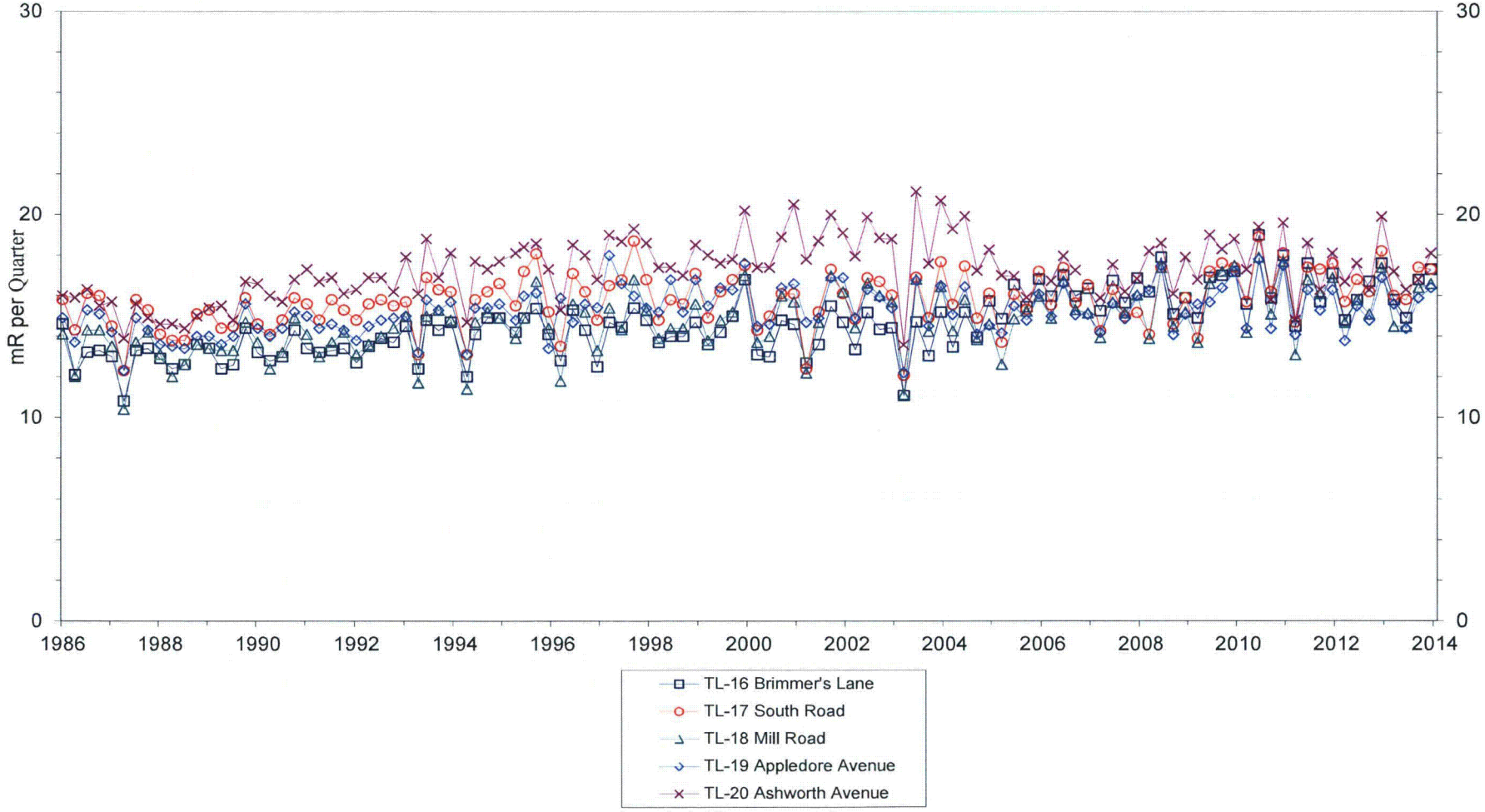


FIGURE 3.10

ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs)
SEABROOK STATION

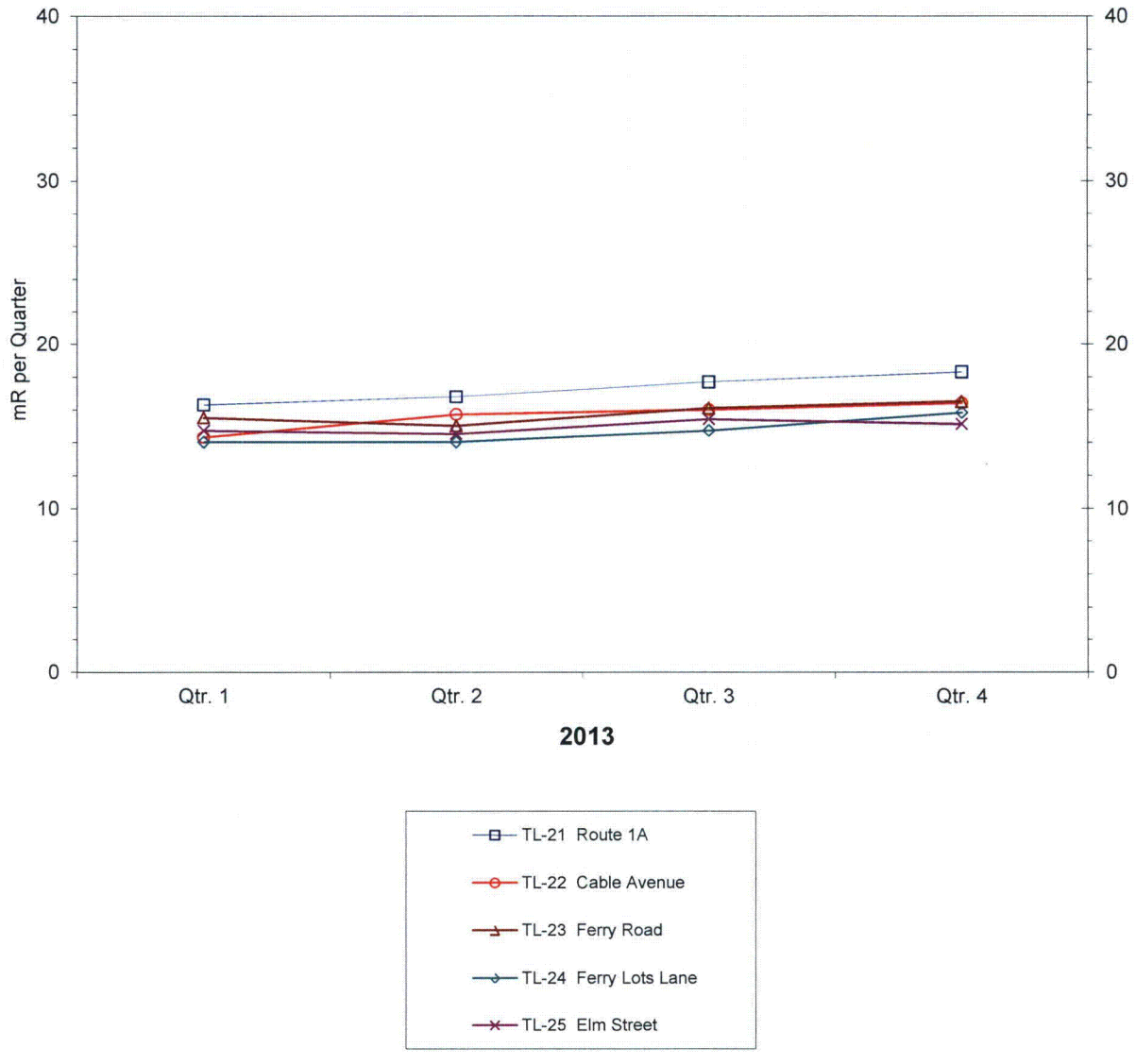


FIGURE 3.10.1

ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs)
SEABROOK STATION

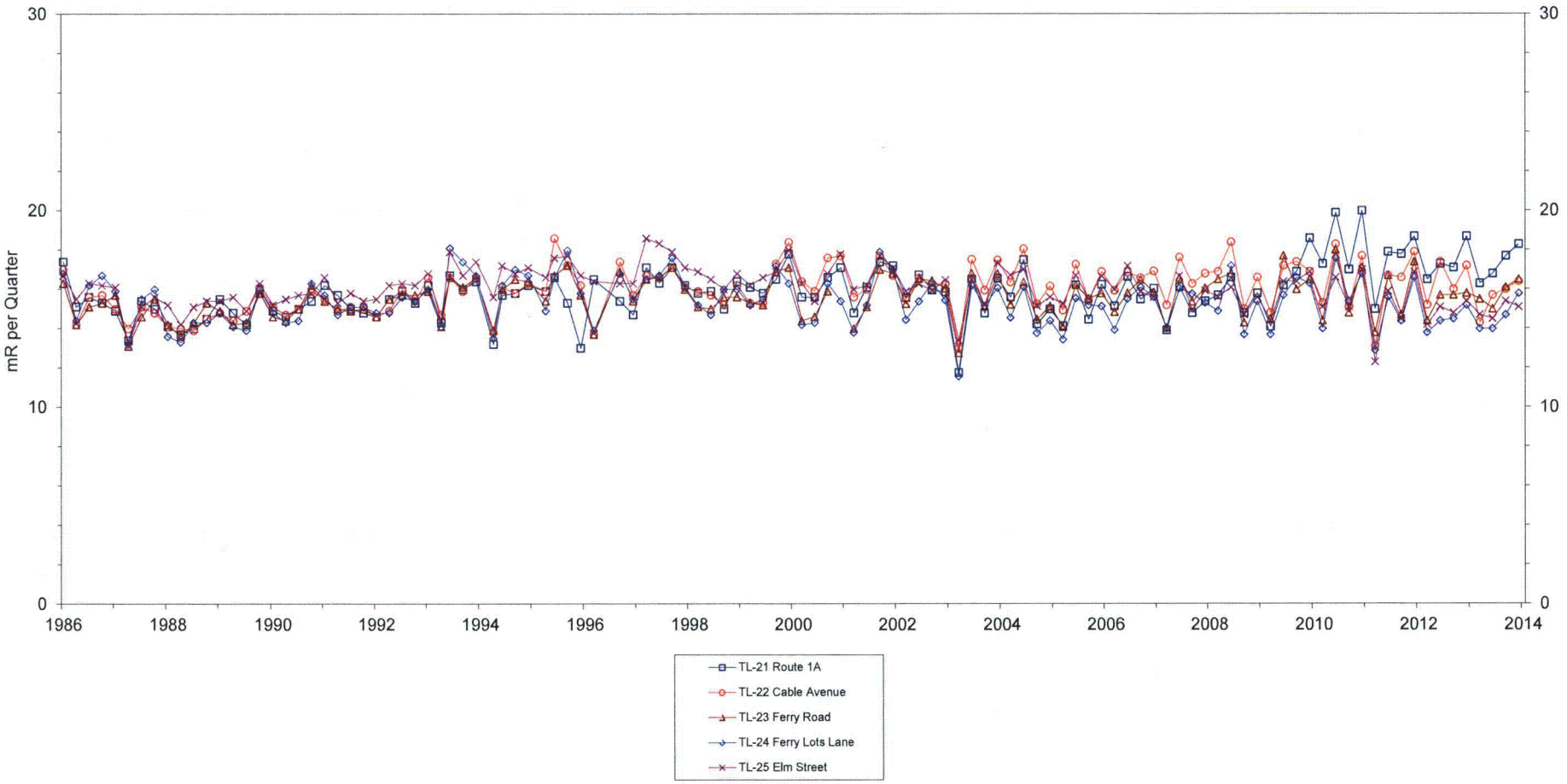


FIGURE 3.11

ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs) SEABROOK STATION

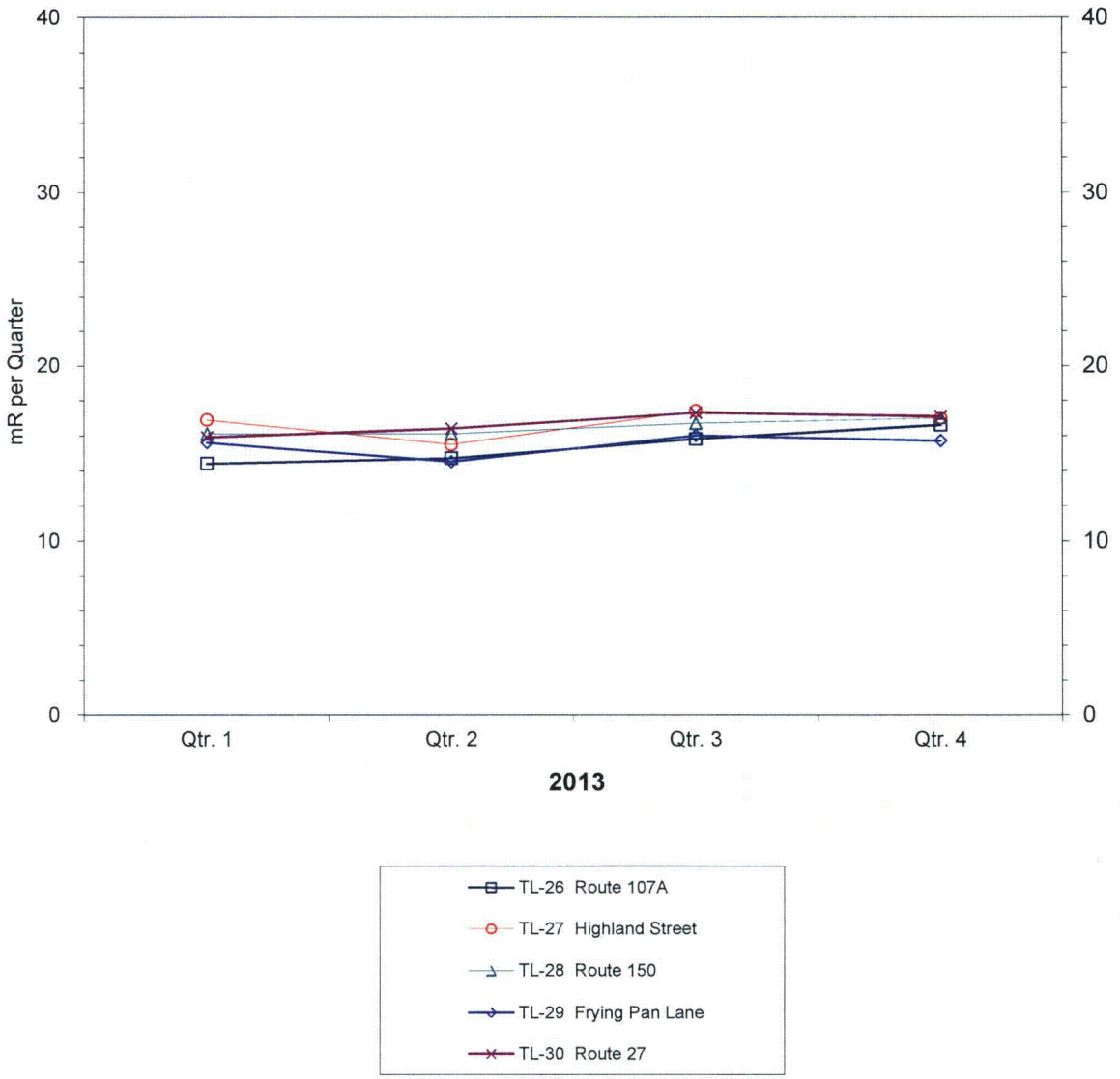


FIGURE 3.11.1

ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs)
SEABROOK STATION

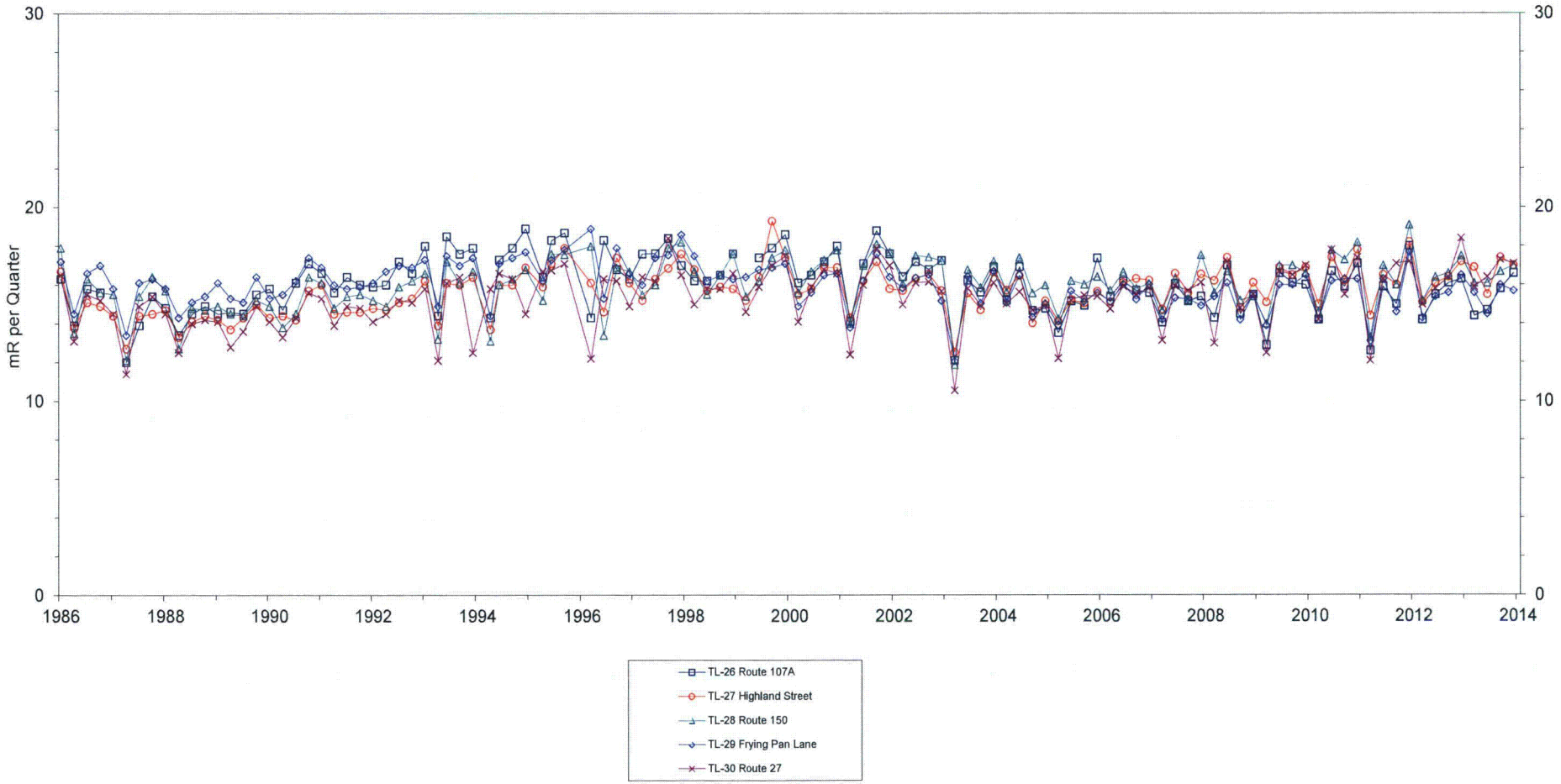


FIGURE 3.12

ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs)
SEABROOK STATION

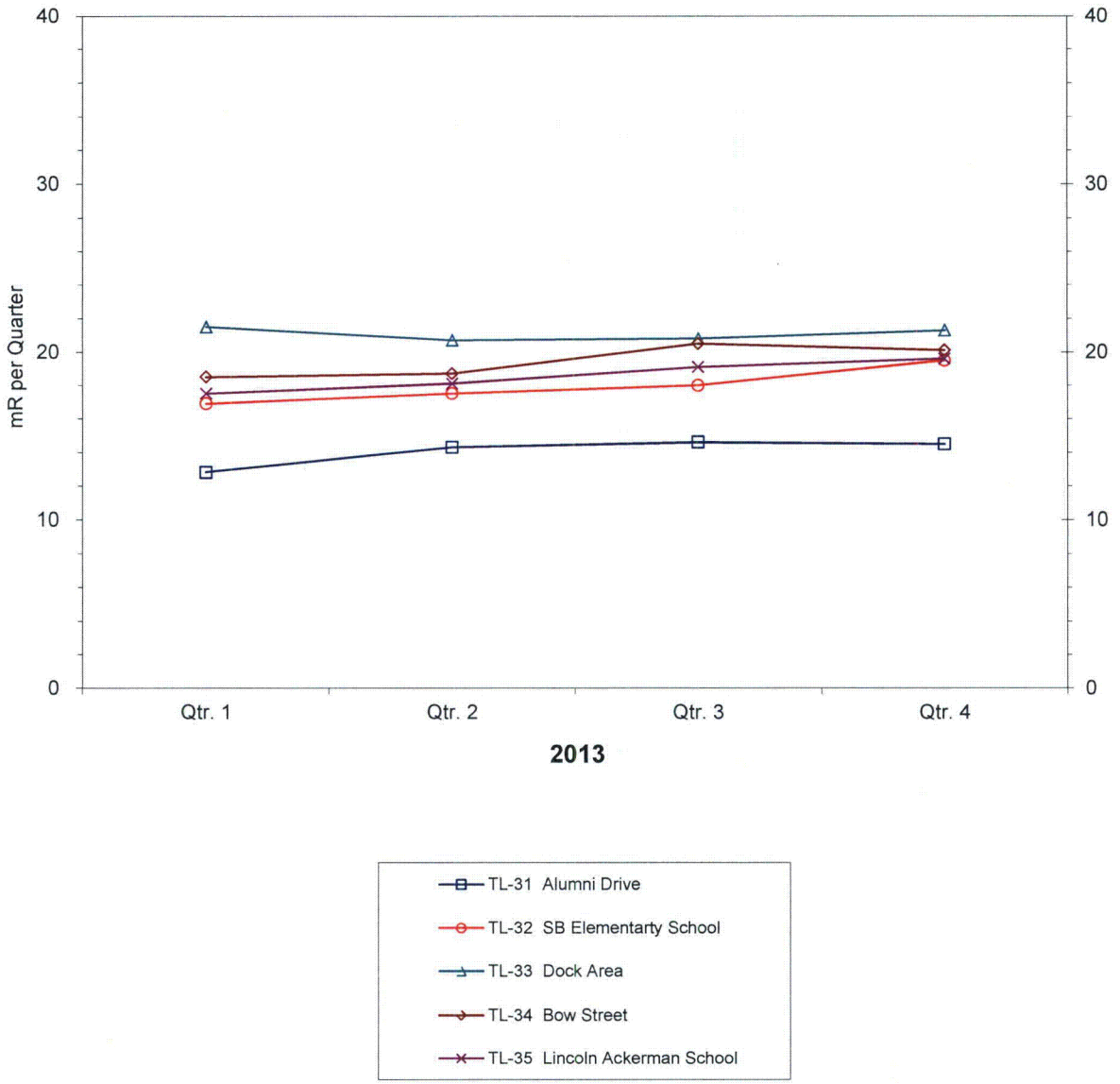


FIGURE 3.12.1

ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs)
SEABROOK STATION

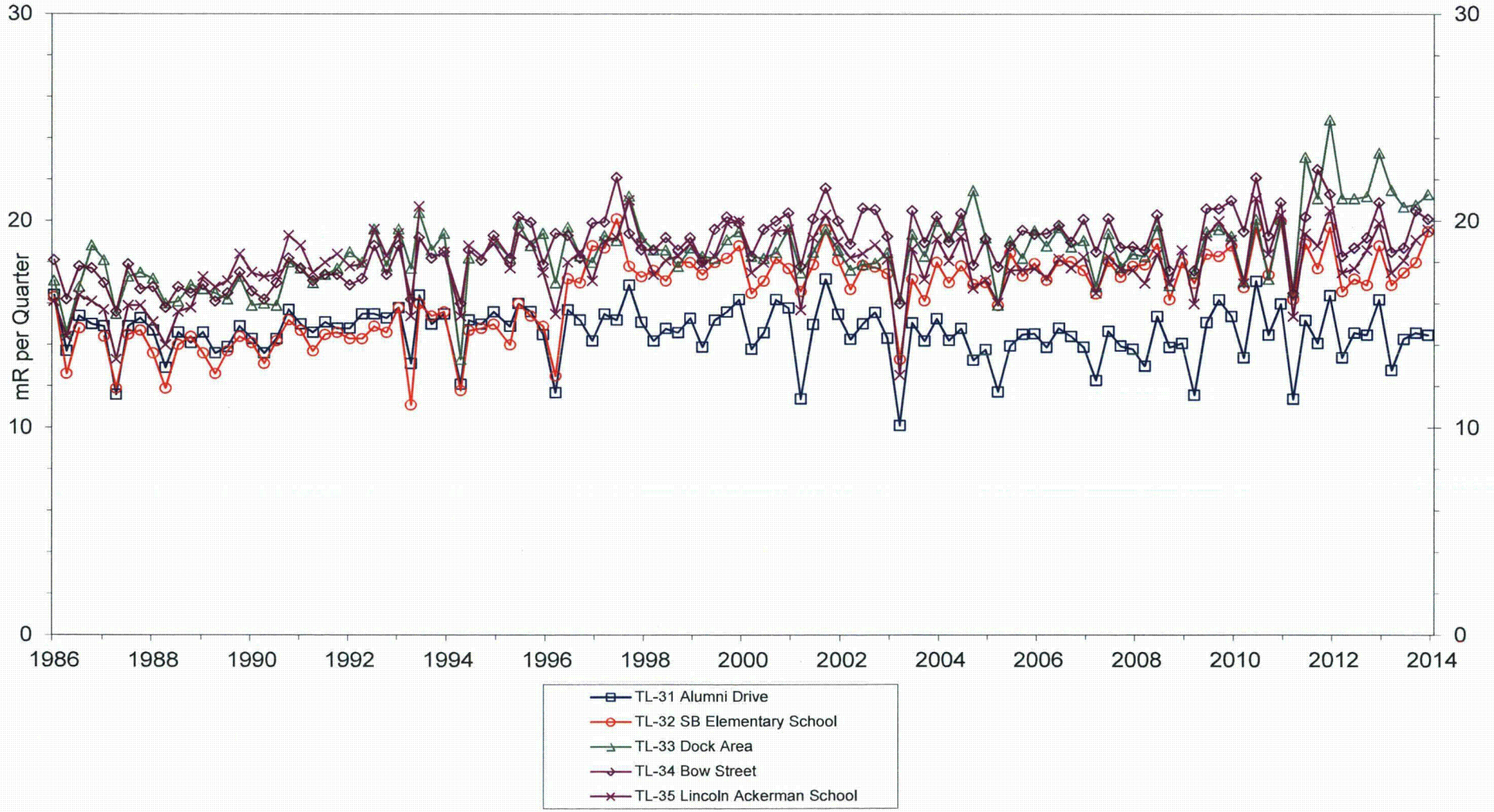


FIGURE 3.13

ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs) SEABROOK STATION

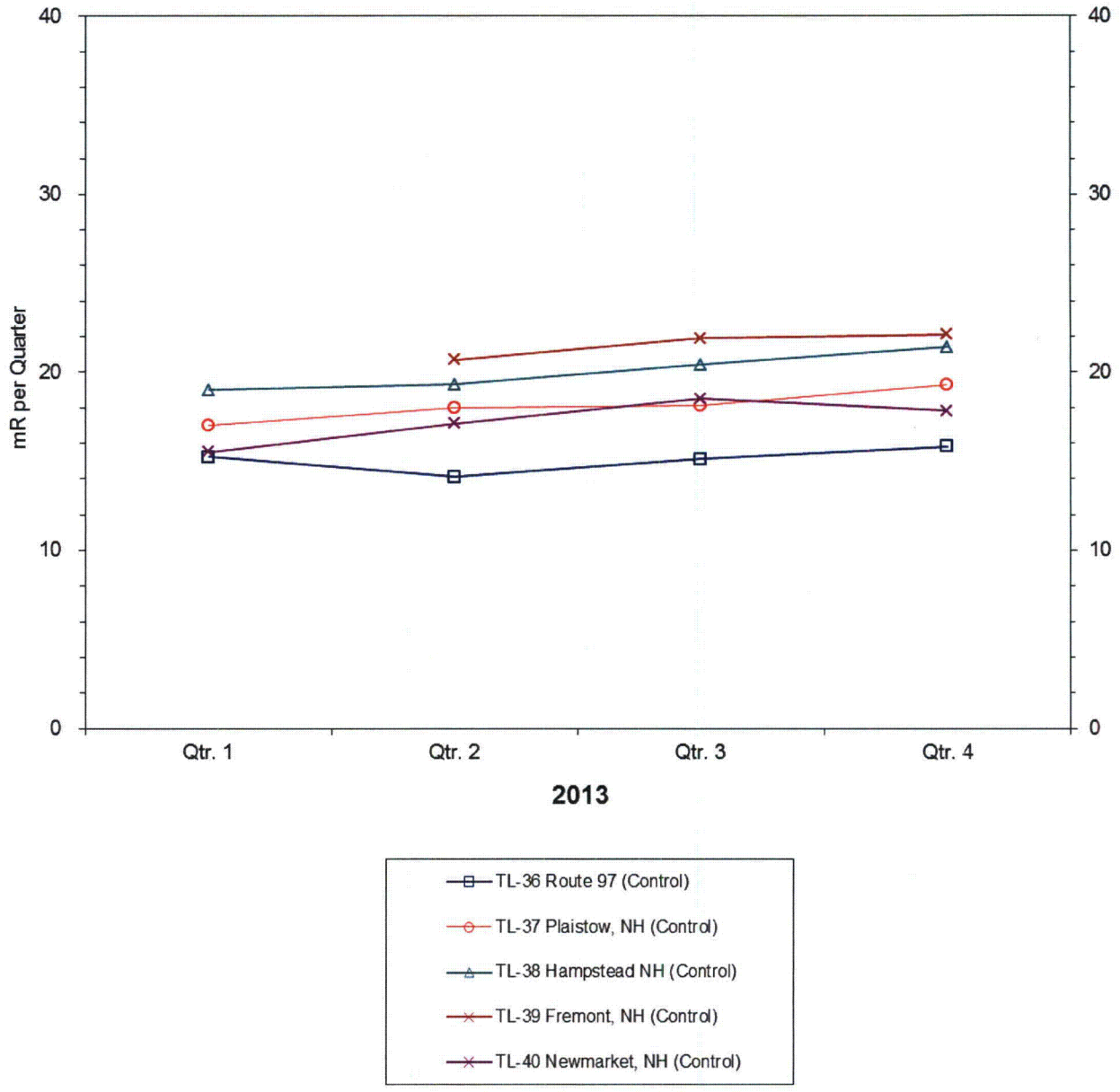


FIGURE 3.13.1

ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs)
SEABROOK STATION

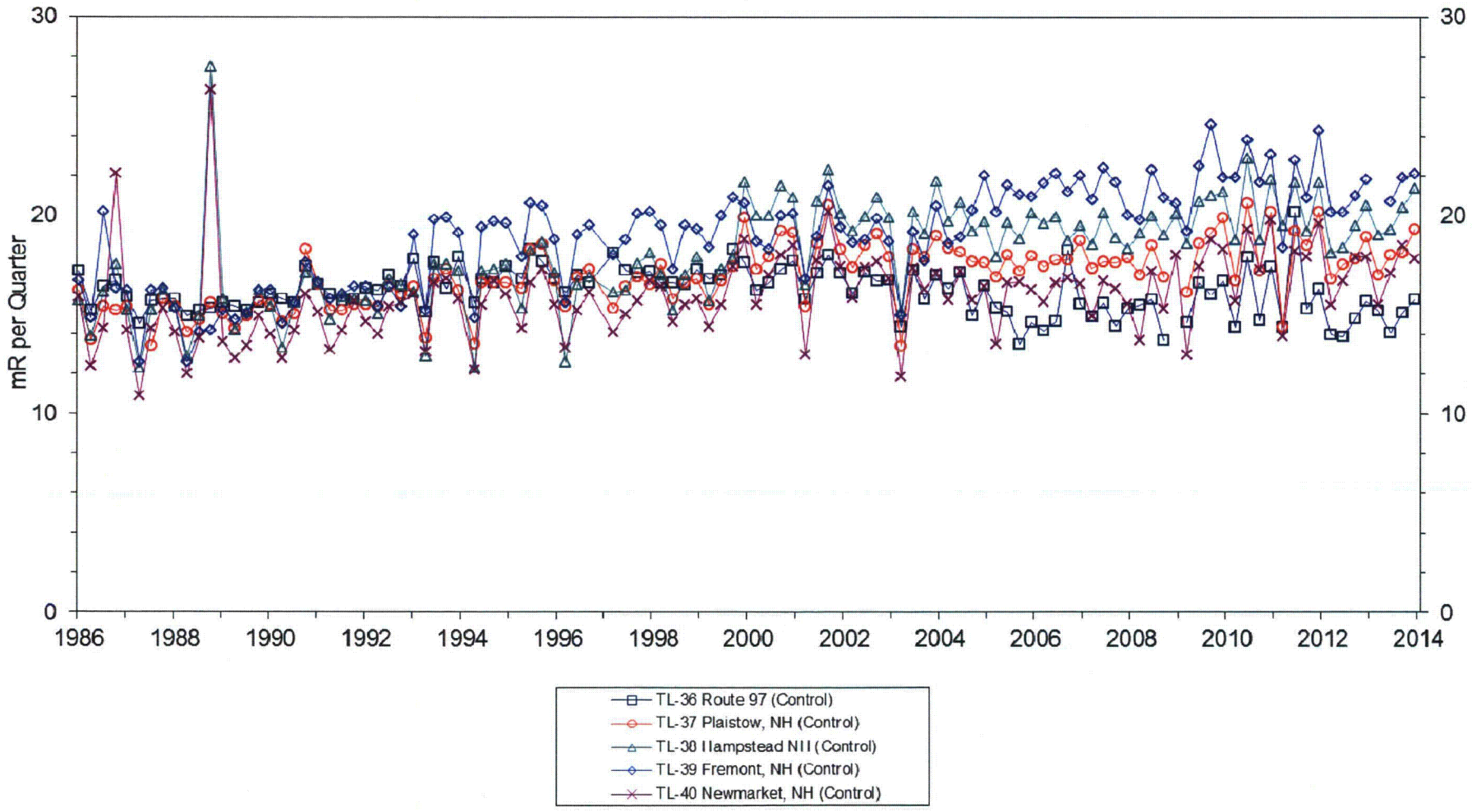


FIGURE 3.14

ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs)
SEABROOK STATION

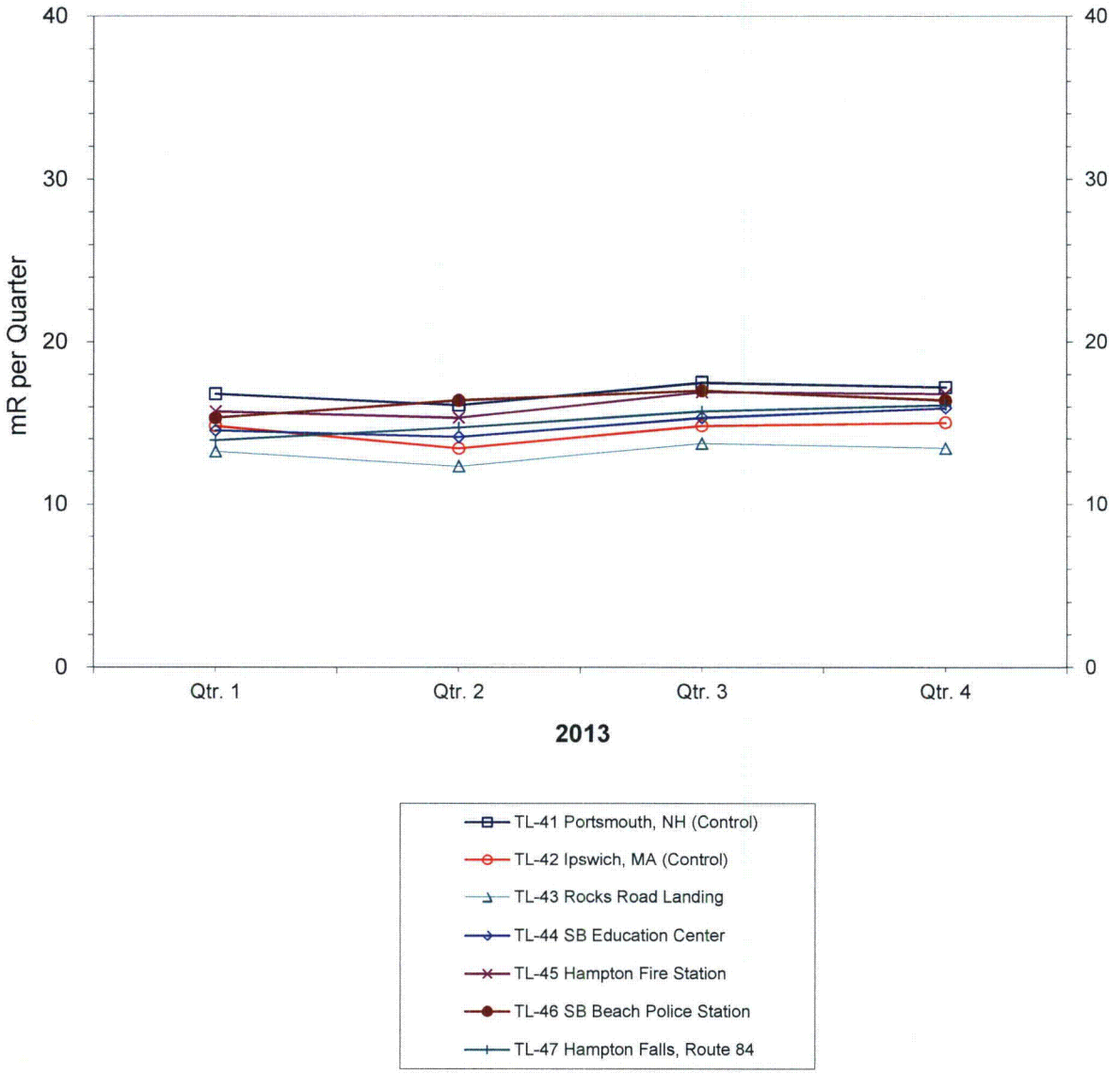
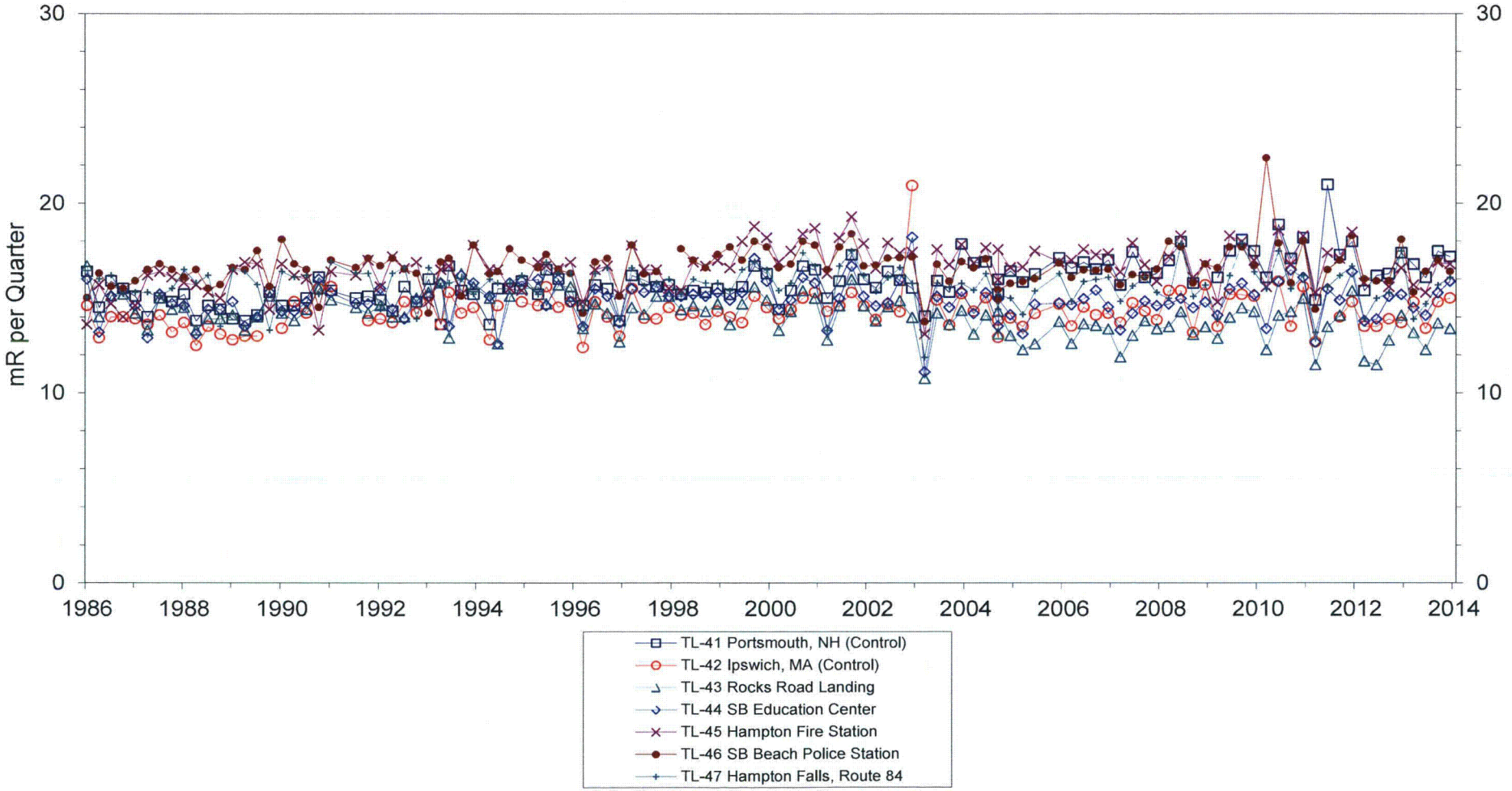


FIGURE 3.14.1

ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs)
SEABROOK STATION



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, the old Fitness Center south of the DFS pad, and a new Fitness Center located in the High Rise office building east of the DFS facility), 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. A second fuel transfer campaign was conducted during August and September, 2013, with an additional 8 fuel canisters placed into storage, bring the total to 14 canisters in storage.

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 standard 91-day quarter. A summary of the 2013 data for the DFS REMP is shown in Table 4.1-1. Figures 4.1, 4.2 and 4.3 show the quarterly 2013 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.

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 2013 annual mean of all indicator locations for the DFS was 16.9 mR/91-day quarter with the mean of all control locations also calculated as 17.6 mR/91-day quarter. There was no notable 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 old Fitness Center), indicated an apparent 14.1% increase in exposure rate above the average background when the four quarters of pre-operational TLD data are compared to the 2013 quarterly average TLD data at this location. The 4th quarter measurement at TL-67 (28.2 mR/quarter) did indicate a notable single measurement increase in exposure rate following the expansion of fuel storage in the DFS facility in the third quarter of 2013. However, by late November, 2013, the fitness center operations had been transferred from its original location south of the DFS to the High Rise Office Building east of the DFS, thereby ending use of the original fitness center facility and its parking lot by members of the public.

The DFS radiation monitoring program in 2013 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

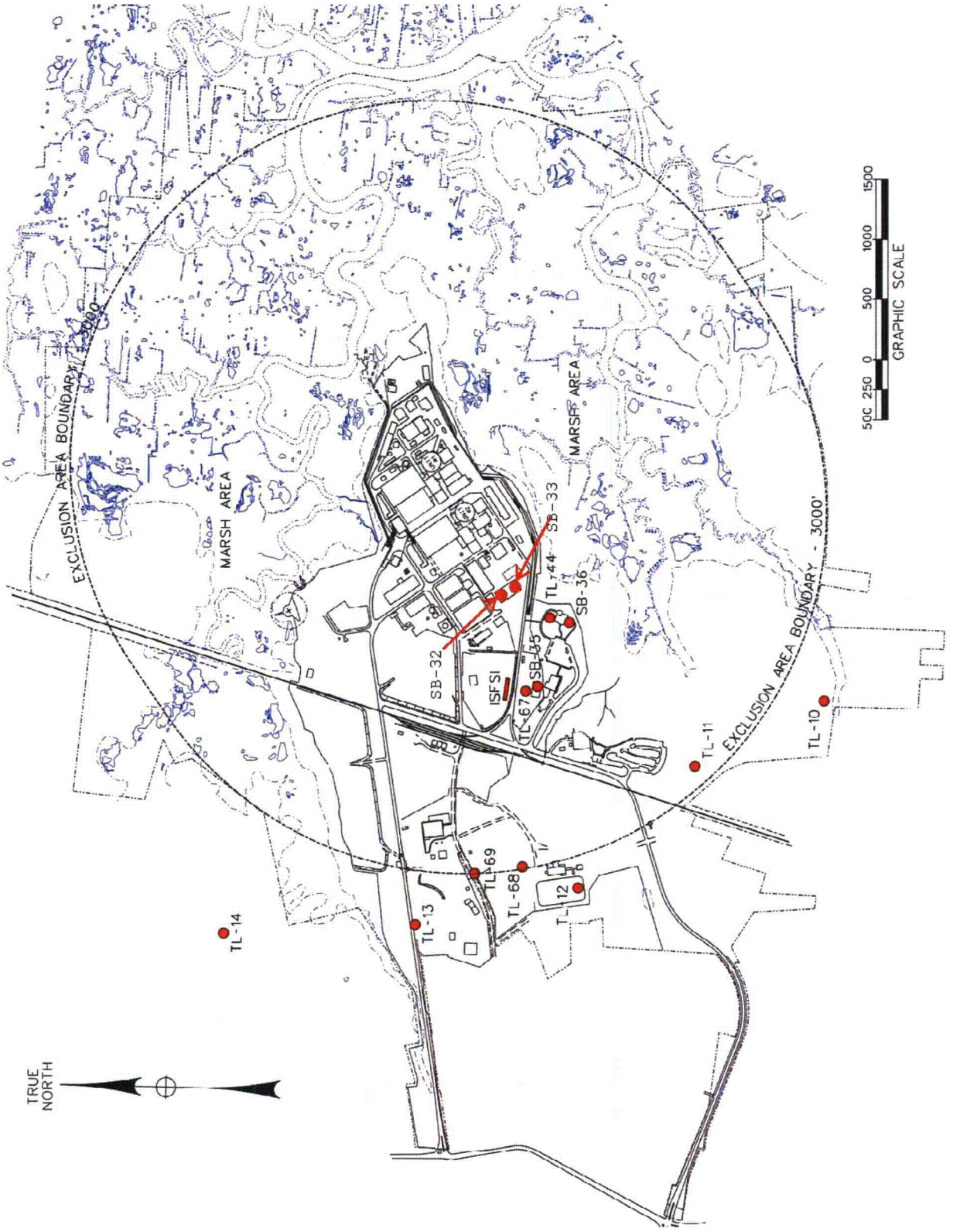


Table 4.0-1
Dry Fuel Storage (DFS) TLD Monitoring Locations

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 old Fitness Center parking [1]	0.05	S
SB-35	On-site, inside old Fitness Center	0.08	S
SB-32	High-Rise Building, 3rd Floor[1]	0.23	E
SB-33	High-Rise Building, 1st Floor (new Fitness Center)[1]	0.23	E
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]	0.77	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)

2013

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 Exp.
TL-44	Outside Science & Nature(1)	14.5	±	0.7	14.1	±	0.6	15.3	±	0.5	15.9	±	0.7	15.0
SB-36	Inside Science & Nature C.	17.5	±	0.9	16.3	±	0.8	16.1	±	0.7	18.2	±	0.8	17.0
TL-67	Outside old Fitness Cntr(1)	19.6	±	0.9	19.9	±	0.7	21.5	±	1.1	28.2	±	2.4	22.3
SB-35	Inside old Fitness Center	16.1	±	0.5	16.1	±	1.1	16.1	±	0.8	20.5	±	1.2	17.2
SB-32	High-Rise 3rd Floor (1)	14.1	±	0.6	12.5	±	0.6	12.6	±	0.6	12.9	±	0.6	13.0
SB-33	High-Rise 1st Floor (1)	17.6	±	0.8	16.1	±	0.7	15.8	±	0.7	16.7	±	0.7	16.6
TL-68	Nearby Site Boundary to DFS	16.6	±	0.7	18.5	±	0.8	18.7	±	0.6	18.6	±	0.7	18.1
TL-69	Nearby Site Boundary to DFS	14.5	±	0.9	14.4	±	0.6	15.3	±	0.8	14.8	±	0.8	14.8
TL-10	Site Boundary Fence (2)	16.6	±	1.0	16.2	±	0.9	15.5	±	0.7	16.8	±	0.8	16.3
TL-11	Site Boundary Fence (2)	15.9	±	0.8	17.1	±	0.8	17.9	±	0.7	19.0	±	0.7	17.5
TL-12	Site Boundary Fence (2)	16.7	±	0.9	17.3	±	0.8	18.9	±	0.8	18.4	±	0.9	17.8
TL-13	Inside Site Boundary (2)	17.9	±	0.9	17.1	±	0.6	18.2	±	1.0	20.1	±	1.2	18.3
TL-14	Trailer Park Seabrook (2)	14.9	±	0.9	15.1	±	0.7	16.1	±	0.5	17.4	±	1.1	15.9
TL-36	Rt 97,Georgetown(control)(2)	15.2	±	0.9	14.1	±	0.7	15.1	±	0.6	15.8	±	0.7	15.1
TL-37	Plaistow, NH (Control)(2)	17.0	±	1.1	18.0	±	1.0	18.1	±	0.9	19.3	±	1.2	18.1
TL-38	Hampstead, NH (Control)(2)	19.0	±	0.9	19.3	±	1.1	20.4	±	1.0	21.4	±	1.1	20.0
TL-39	Fremont, NH (Control)(2)	#	±	#	20.7	±	0.9	21.9	±	1.0	22.1	±	1.6	21.6
TL-40	Newmarket, NH (Control)(2)	15.5	±	0.7	17.1	±	0.7	18.5	±	1.1	17.8	±	0.7	17.2
TL-41	Portsmouth,NH(Control)(1)(2)	16.8	±	0.7	16.1	±	0.8	17.5	±	0.7	17.2	±	1.1	16.9
TL-42	Ipswich, MA (Control)(1)(2)	14.8	±	0.6	13.4	±	0.6	14.8	±	0.6	15.0	±	0.6	14.5
	Mean of Indicators	16.3			16.2			16.8			18.3			16.9
	Mean of Controls	16.4			17.0			18.0			18.4			17.6

(1) This location is not part of the DFS required program defined by the ODCM.
(2) Shared environmental monitoring locations for both plant REMP and DFS monitoring.
TLD reported wet at change-out, results are suspect.

FIGURE 4.1

DFS CONTROL RADIATION MEASUREMENTS (USING TLDs)
SEABROOK STATION

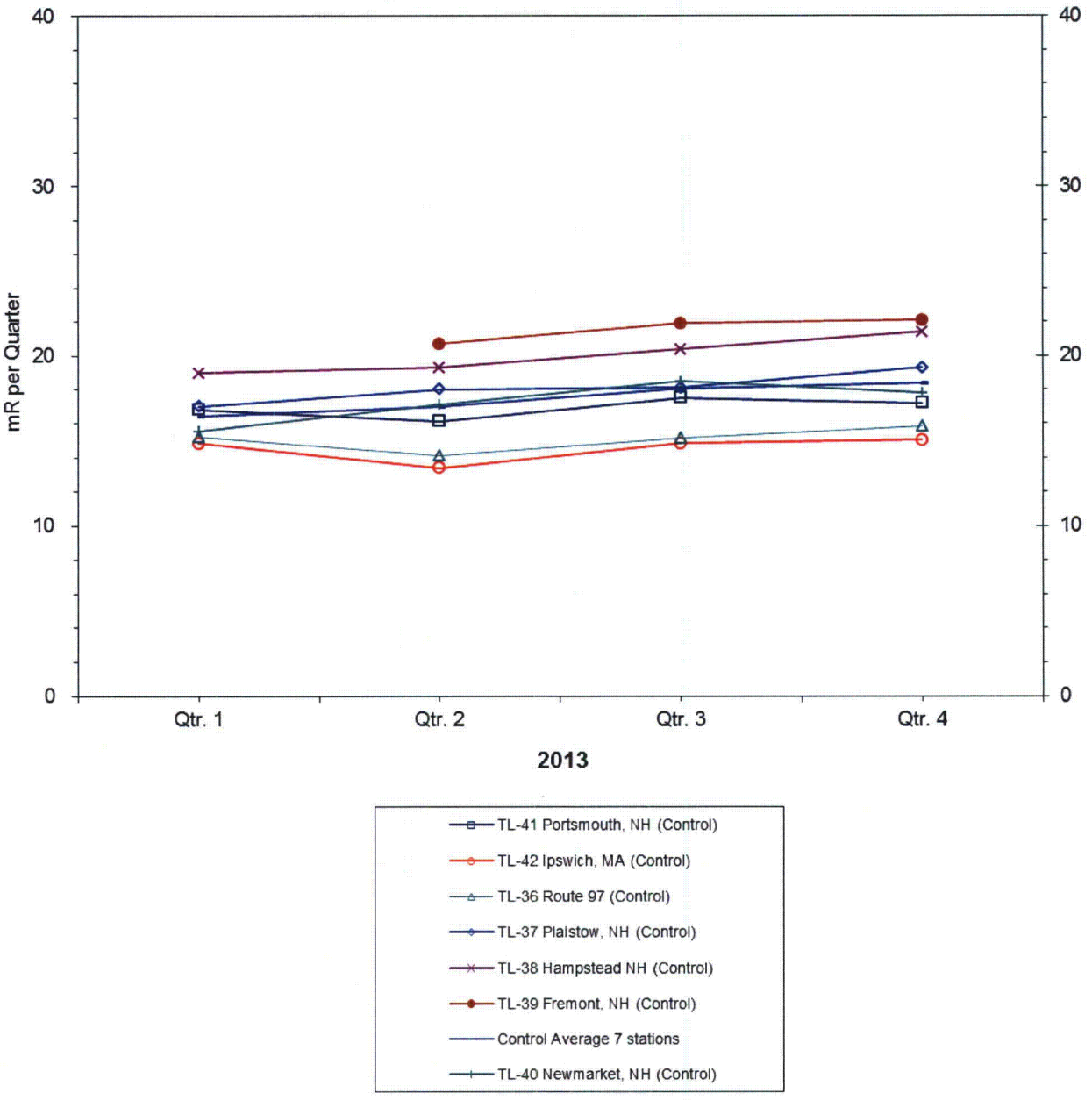


FIGURE 4.2

DFS ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs)
SEABROOK STATION

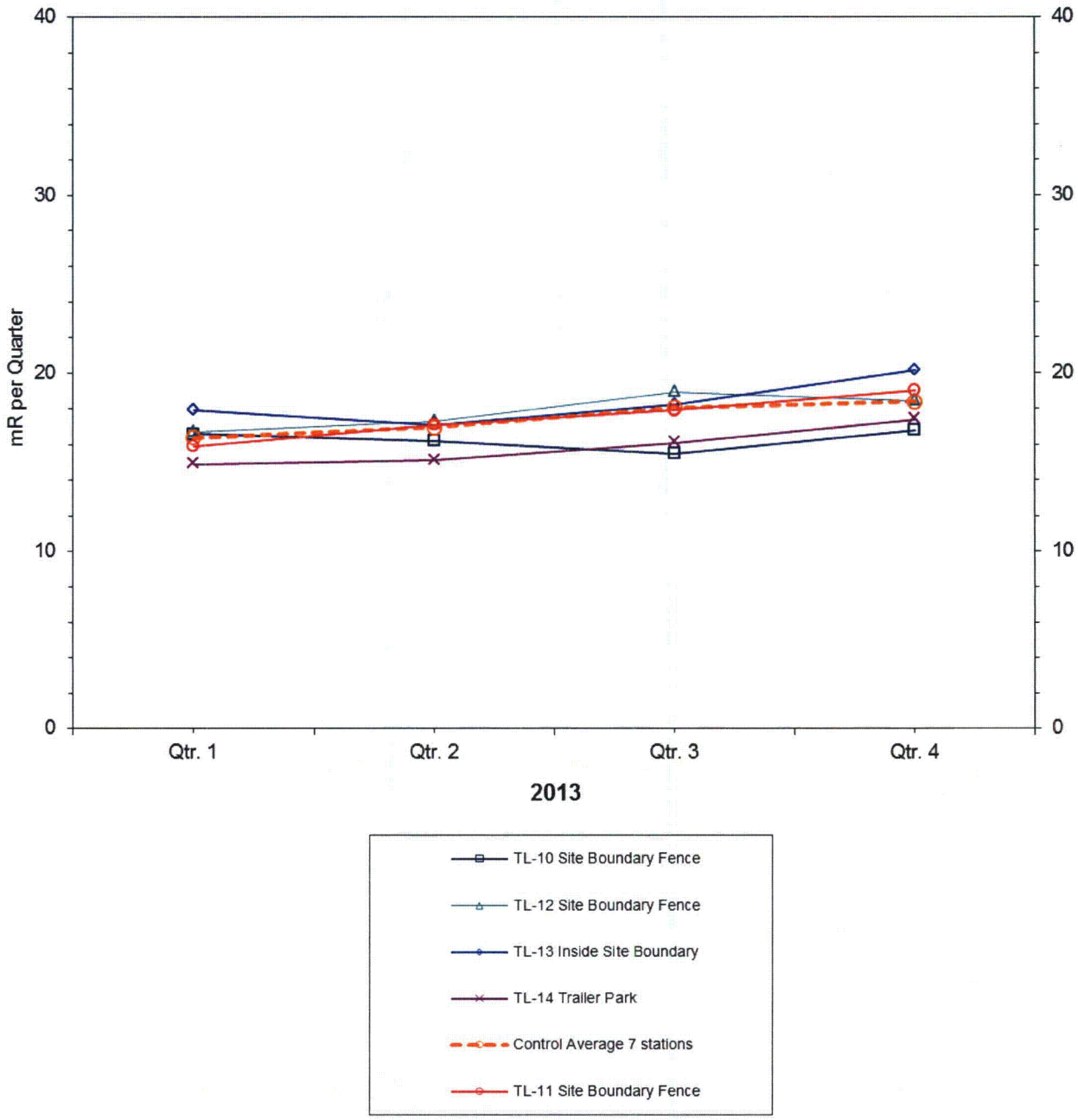


FIGURE 4.3

DFS ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs)
SEABROOK STATION

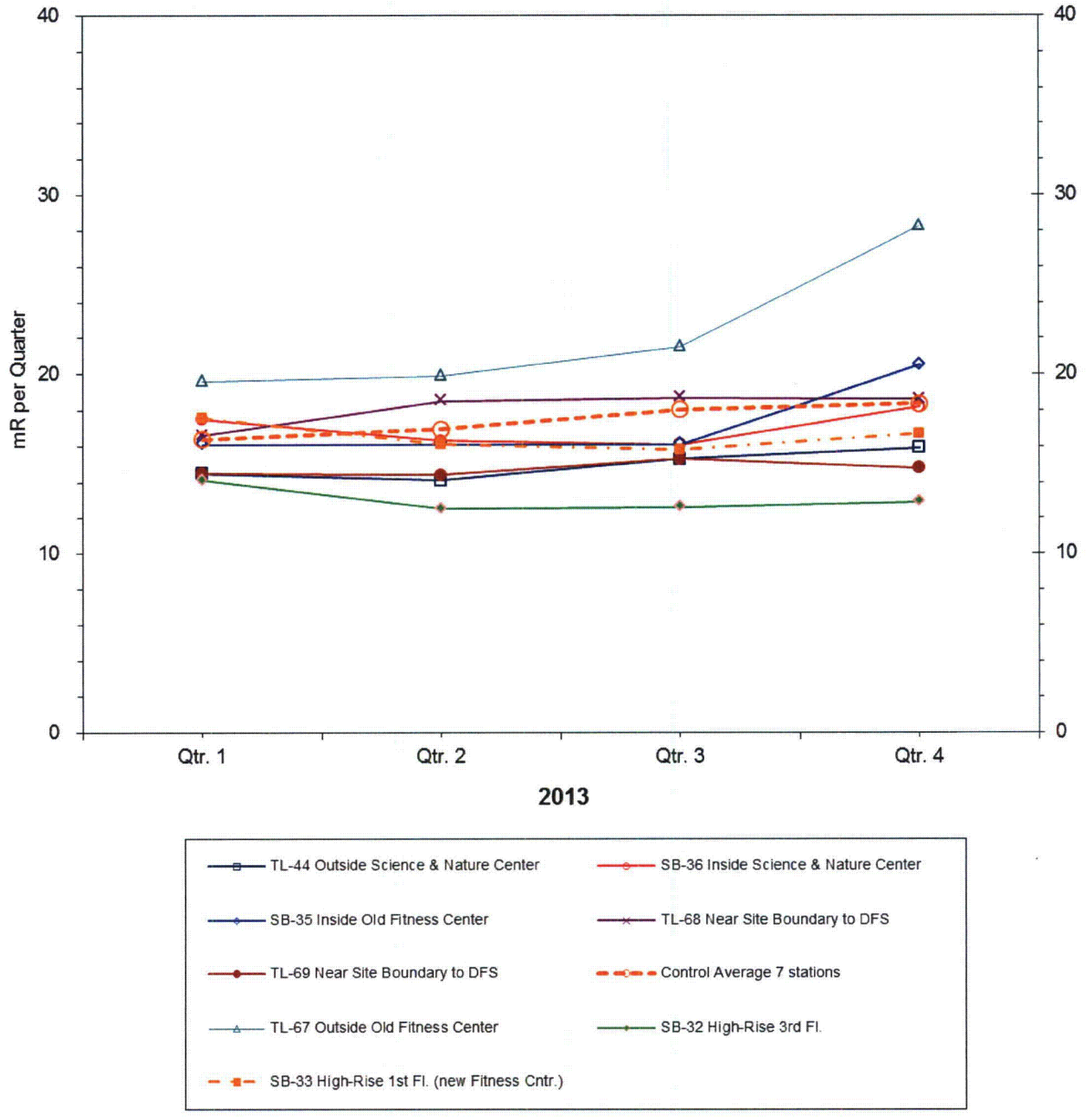


FIGURE 4.4

DFS CONTROL RADIATION MEASUREMENTS (USING TLDs)
SEABROOK STATION

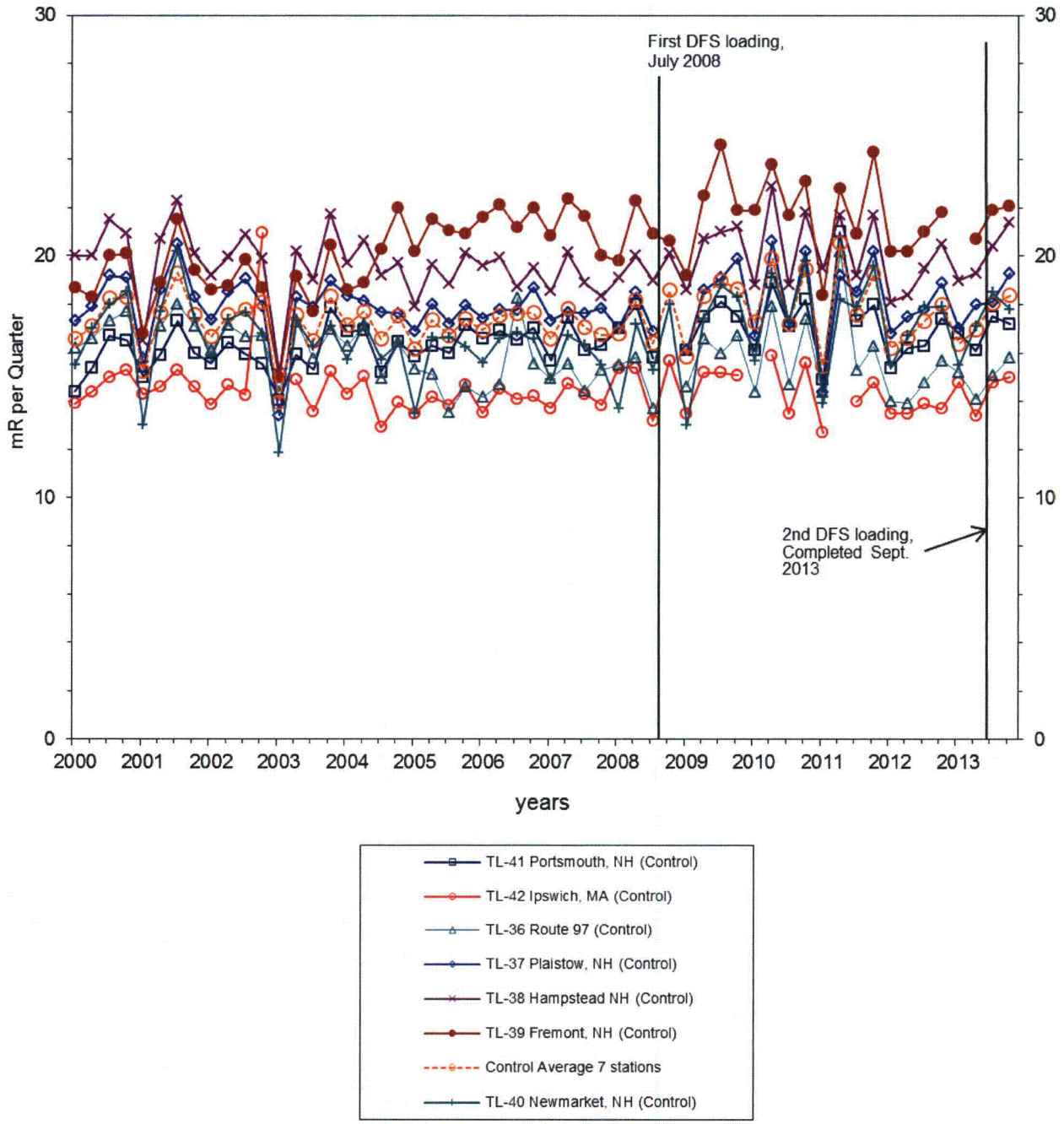


FIGURE 4.5

DFS RADIATION MEASUREMENTS TRENDS (USING TLDs)
SEABROOK STATION

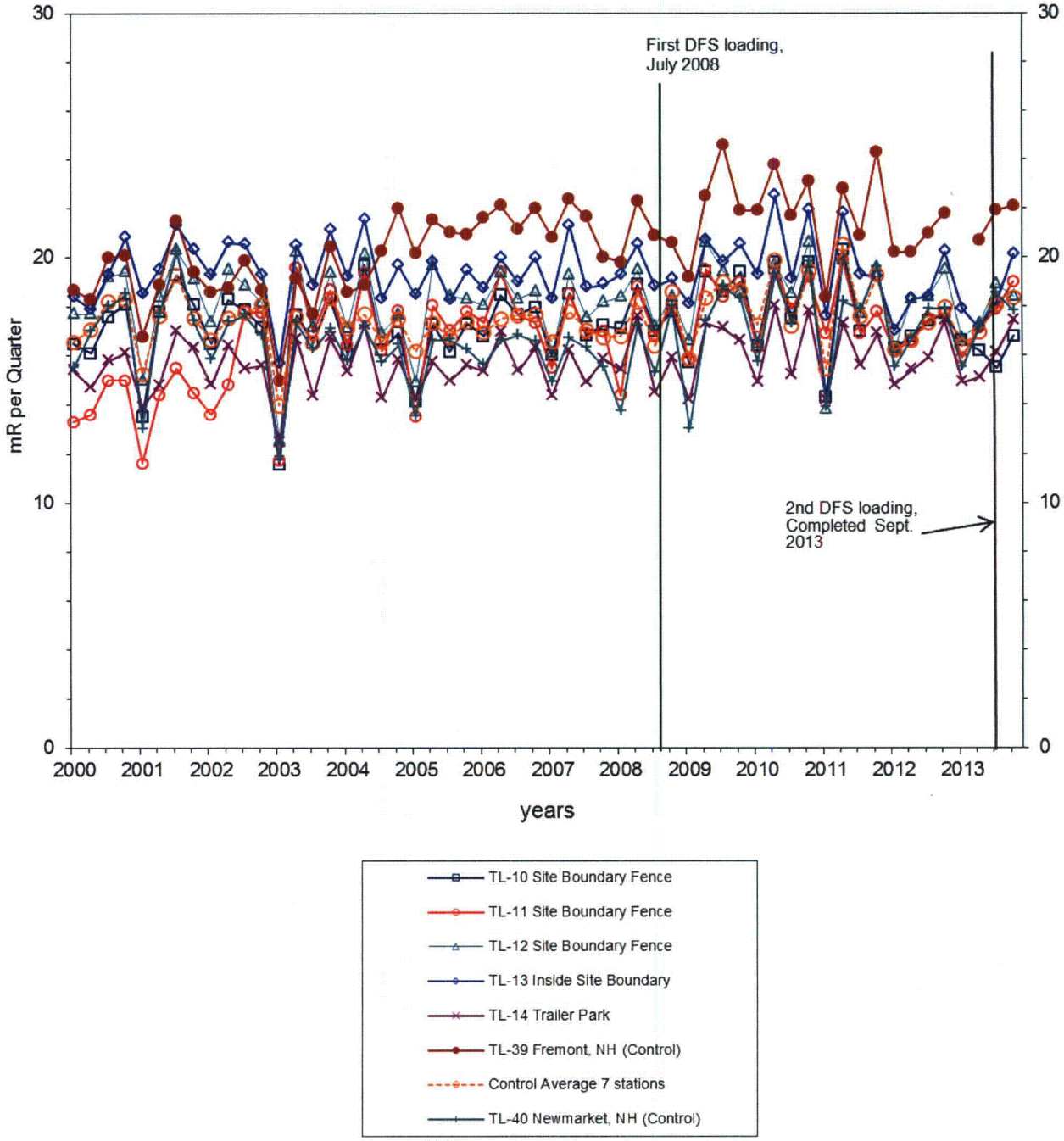
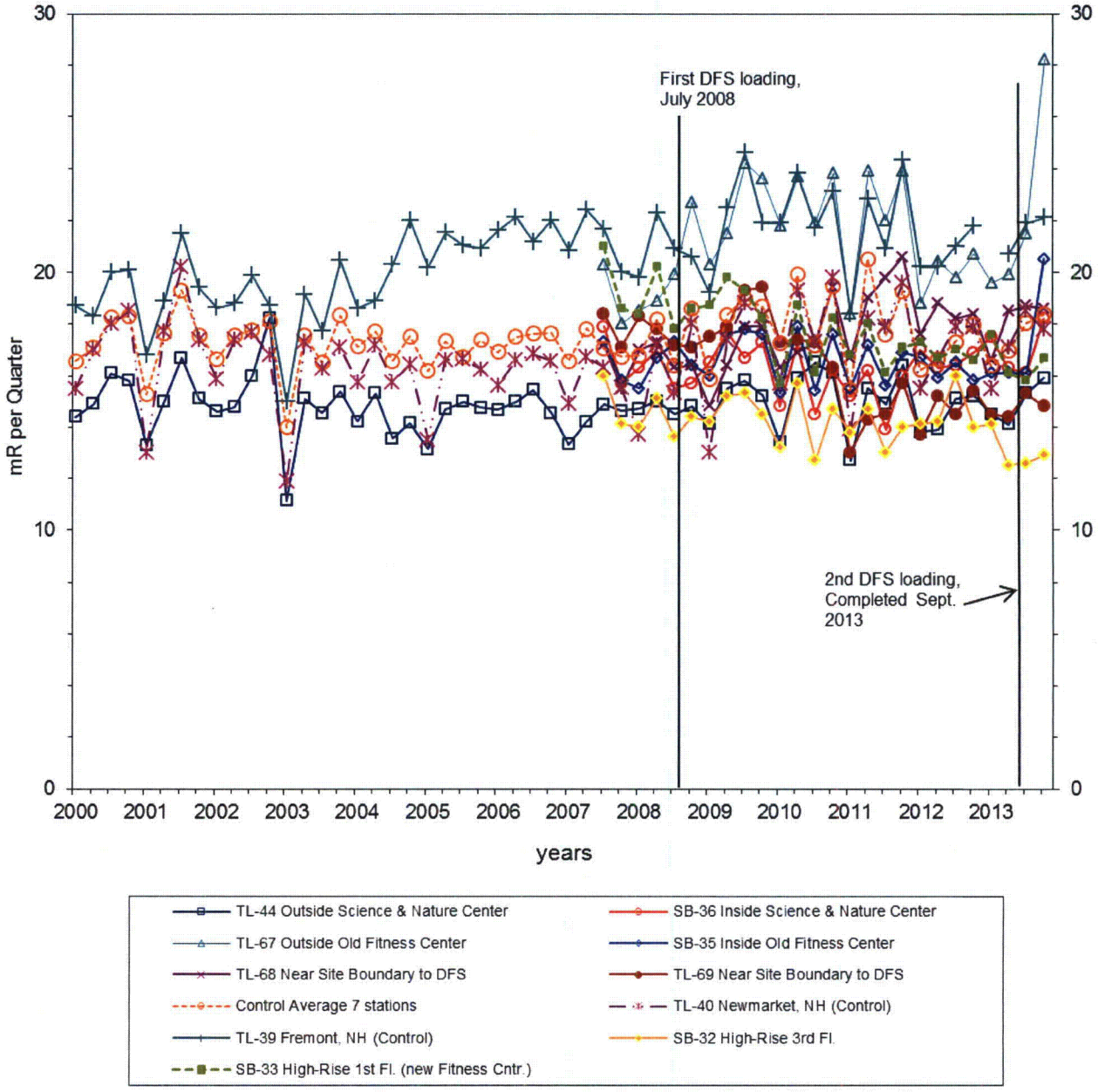


FIGURE 4.6

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 2013 are as follows:

- On 02/10/2013, a loss of power to air sampling station AP/CF-07 (duration approximately 2 minutes) was recorded between 5:37 pm and 5:39 pm. The unit was returned to service after local power was restored. The out of service time did not impact the ability to collect sufficient sample volume over the collection cycle for analysis.

- On 02/18/2013, a loss of power to air sampling station AP/CF-07 (duration approximately 7 minutes) was recorded between 11:13 am and 11:20 am. 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.

- On 03/19/2013, a loss of power to four air sampling stations (listed below) was recorded due to an area wide power outage not related to the air sampling equipment.

Location	Date/Time power lost	Date/Time power restored	Duration of loss
AP/CF-01	03/19/13 17:55	03/19/13 19:05	1 hour 10 min.
AP/CF-02	03/19/13 17:48	03/20/13 06:27	12 hour 39 min.
AP/CF-03	03/19/13 17:56	03/19/13 19:05	1 hour 9 min.
AP/CF-04	03/19/13 17:54	03/20/13 11:33	17 hour 39 min.
AP/CF-08	03/19/13 17:55	03/19/13 19:05	1 hour 10 min.

  The units were returned to service when the utility restored power to the area. The out of service time did not impact the ability to collect sufficient sample volume over the collection cycle for analysis.

- On 05/01/2013, a loss of power to air sampling station AP/CF-04 (duration approximately 4 minutes) was recorded between 13:17 and 13:21. The unit was returned to service when the power was restored. The out of service time had no impact on the ability to collect sufficient sample volume over the collection cycle for analysis.

- On 06/15/2013, a loss of power to air sampling station AP/CF-02 (duration approximately 1 hour 36 minutes) was recorded between 11:46 and 13:22. The unit was returned to service when the power was restored. The out of service time had no impact on the ability to collect sufficient sample volume over the collection cycle for analysis.

- On 06/18/2013, it was reported that the first quarter 2013 REMP TLD results for control location TL-39 (Fremont, NH) were unexpected high apparently to precipitation having found its way inside the badge holder and wetting the dosimeter. TL-39 results for the first quarter were not included in the Control TLD averaging. Past environmental TLDs have occasionally been found wet due to adverse weather during the quarter. Over TLD Control averages were not significantly impacted by this data loss.

- On 04/26/2013, it was discovered during routine maintenance of air sampling station AP/CF-07 that the exhaust muffler jar on the pump was leaking due to a deteriorated gasket causing the recorded flow on the dry gas meter to be less than the true flow through the sampling filter

assembly (apparent over sampling condition leading to conservative results). The actual air flow through the filter was measured and used to estimate the total flow for the sampling cycle. The gasket was replaced and the pump flow rate reset to normal 1.8 cfm.

- On 06/18/2013, a loss of power to air sampling station AP/CF-02 (duration approximately 42 minutes) was recorded between 15:06 and 15:48. The unit was returned to service when electric power was restored. There was no impact on the collection of normal sample volume over the collection cycle.

- On 08/16/2013, air sampling station AP/CF-04 was out of service (duration approximately 2 hours 23 minutes) due to blown pump fuse between 08:11 and 10:34. The air sampling station was returned to service when the fuse was replaced. The out of service time did not impact the ability to collect sufficient sample volume over the collection cycle for analysis.

- On 10/27/2013, a loss of power to air sampling station AP/CF-04 (duration approximately 26 hour 14 minutes) was recorded due to a blown pump fuse between 08:30 on the 27th and 10:44 on the 28th. The cause of the blown pump fuse was likely due to a momentary power spike. The air sampling station was returned to service when the fuse was replaced. The out of service time did not impact the ability to collect sufficient sample volume over the two week 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 2013, 1328 analyses had an LLD requirement listed in Table 5.2-1, and in all cases the LLD requirements were met.

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 2013, 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 their 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.

The results of GEL's assessment of their laboratory activities listed in this section entails their quality assurance program for the proficiency testing and environmental monitoring aspects of GEL for 2013. GEL's QA Program is designed to monitor the quality of analytical processing associated with environmental, radiobioassay, effluent (10 CFR Part 50), and waste (10 CFR Part 61) sample analysis.

This summary was extracted from GEL Laboratories report entitled "2013 Annual Quality Assurance Report for the Radiological Environmental Monitoring Program (REMP)", dated February 11, 2014, and includes:

- Intra-laboratory QC results analyzed during 2013.
- Inter-laboratory QC results analyzed during 2013 where known values were available.

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

In addition to internal and client audits, GEL's laboratory participates in annual performance evaluation studies conducted by independent providers. GEL routinely participates 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 statistical process control (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 Utah/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. Once performance evaluation samples have been prepared in accordance with the instructions provided by the program test (PT) provider, samples are managed and analyzed in the same manner as environmental samples from GEL's clients.

Quality Assurance Program for Internal and External Audits

During each annual reporting period, at least one internal assessment of each area of the laboratory is conducted in accordance with the pre-established schedule from Standard Operating Procedure for the Conduct of Quality Audits, GL-QS-E-001. The annual internal audit plan is reviewed for adequacy and includes the scheduled frequency and scope of quality control actions necessary to GEL's QA program. Internal audits are conducted at least annually in accordance with a schedule approved by the Quality Systems Director. Supplier audits are contingent upon the categorization of the supplier, and may or may not be conducted prior to the use of a supplier or subcontractor. Type I suppliers and subcontractors, regardless of how they were initially qualified, are re-evaluated at least once every three years.

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

- NELAC, National Environmental Laboratory Accreditation Program
- DOECAP, U.S. Department of Energy Consolidated Audit Program
- DOELAP, U.S. Department of Energy Laboratory Accreditation Program
- DOE QSAS, U.S. Department of Energy, Quality Systems for Analytical Services
- ISO/IEC 17025:2005
- A2LA, American Association for Laboratory Accreditation
- DOD ELAP, US Department of Defense Environmental Accreditation Program
- NUPIC, Nuclear Procurement Issues Committee
- South Carolina Department of Health and Environmental Control (SC DHEC)

The annual radiochemistry laboratory internal audit (13-RAD-001) was conducted in August 2013. Three (3) findings, two (2) observations, and one (1) recommendation resulted from this assessment. By October, 2013, each finding was closed and appropriate laboratory staff addressed each observation and recommendation.

Performance Evaluation Acceptance Criteria for Environmental Sample Analysis

GEL utilized an acceptance protocol based upon two performance models. For those inter-laboratory programs that already have established performance criteria for bias (i.e., MAPEP, and ERA/ELAP), GEL will utilize the criteria for the specific program. 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 2013, forty-four (44) radioisotopes associated with seven (7) 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 2012. Of the four hundred twenty-three (423) total results reported, 97% (410 of 423) were found to be acceptable. The list below contains the type of matrix evaluated by GEL.

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

A summary list of all Inter-laboratory radiological proficiency test results and there evaluation against their acceptance criteria is provided in Table 6.1-1. This list reflects GEL's participation in the MAPEP Monitoring Program, the ERA MRaD PT Program, the ERA PT Program, and the Eckert & Ziegler Analytics Environmental Cross-Check Program.

Summaries of GEL's Intra-laboratory test result for bias and precision by sample matrix are provided in Table 6.1-3 (REMP Related) and Table 6.1-4 (All Samples).

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

Eckert & Ziegler Analytics provided samples for eighty-nine (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. All results fell within GEL's acceptance criteria (100%). Table 6.1-2 list the results specific to the Eckert & Ziegler Analytics sample provided in 2013. No corrective action reports were noted for these results.

Summary of Participation in the MAPEP Monitoring Program

MAPEP Series 27, 28 and 29 were analyzed by the laboratory. Of the one hundred thirty-eight (138) analyses, 96% (133 out of 138) of all results fell within the PT provider's acceptance criteria. Five analytical failures occurred: Uranium-238/235 and Total Uranium in vegetation by ICP/MS, and Uranium-234/233, and Urabuyn-238 by Alpha Spectroscopy.

For the corrective actions associated with MAPEP Series 28, refer to CARR130513-789 which is detailed in Table 6.1-5.

Summary of Participation in the ERA MRaD PT Program

The ERA MRad program provided samples (MRAD-18 and MRAD-19) for one hundred fifty (150) individual environmental analyses. One hundred forty-five (145) of the 150 analyses fell within the PT provider's acceptance criteria (97%). Five analytical failures occurred: Cesium-134, Cesium-137 and Zinc-65 in soil, and Uranium-234 and Total Uranium in vegetation.

For the corrective actions associated with MRAD-18 and MRAD-19, refer to CARR130522-791 and CARR131205-845 which are detailed in Table 6.1-5.

Summary of Participation in the ERA PT Program

The ERA program provided samples (RAD-92 and RAD-94) for forty-six (46) individual environmental analyses. Of the 44 analyses, 93% (43 out of 44) of all results fell within the PT provider's acceptance criteria. Two analytical failures occurred: Gross Alpha and Strontium-89 in water.

For the corrective actions associated with RAD-92 refer to corrective actions CARR130826-810 (Table 6.1-5).

Corrective Action Request and Report (CARR)

There are two categories of corrective action at GEL. One is corrective action implemented at the analytical and data review level in accordance with the analytical standard operating procedures (SOP). The other is formal corrective action documented by the Quality Systems Team in accordance with GEL's standard operating procedure GL-QS-E-002. A formal corrective action is initiated when a nonconformance reoccurs or is so significant that permanent elimination or prevention of the problem is required. Formal corrective action investigations include root cause analysis.

GEL includes quality requirements in most analytical standard operating procedures to ensure that data are reported only if the quality control criteria are met or the quality control measures that did not meet the acceptance criteria are documented. A formal corrective action is implemented according to GEL's standard operating procedure GL-QS-E-002 for Conducting Corrective/Preventive Action and Identifying Opportunities for Improvement. Recording and documentation is performed following guidelines stated in GEL's standard operating procedure GL-QS-E-012 for Client NCR Database Operation.

Any employee at GEL can identify and report a nonconformance and request that corrective action be taken. Any GEL employee can participate on a corrective action team as requested by the QS team or Group Leaders. The steps for conducting corrective action are detailed in GEL's standard operating procedure GL-QS-E-002. In the event that correctness or validity of the laboratory's test results in doubt, the laboratory will take corrective action. If investigations show that the results have been impacted, affected clients will be informed of the issue in writing within five (5) calendar days of the discovery.

Table 6.1-5 provides the status of CARRs for radiological performance testing during 2013. GEL has determined that causes of the failures did not impact any data reported to its clients.

TABLE 6.1-1

2013 INTER-LAB RADIOLOGICAL PROFICIENCY TESTING RESULTS AND ACCEPTANCE CRITERIA

PT Provider	Quarter / Year	Analytical Date	Sample Number	Sample Media	Unit	Analyte / Nuclide	GEL Value	Known value	Acceptance Range/ Ratio	Evaluation
MAPEP	1st/ 2013	02/27/13	GENE01-13-RdFR1	Filter	Bq/sample	Uranium-234/233	0.0143	0.0155	0.0109-0.0202	Acceptable
MAPEP	1st/ 2013	02/27/13	GENE01-13-RdFR1	Filter	Bq/sample	Uranium-238	0.0999	0.098	0.069-0.127	Acceptable
EZA	4th/2012	02/01/13	E10323	Cartridge	pCi	Iodine-131	7.31E+01	7.29E+01	1.00	Acceptable
EZA	4th/2012	02/01/13	E10324	Milk	pCi/L	Strontium-89	9.89E+00	1.38E+01	0.72	Acceptable
EZA	4th/2012	02/01/13	E10324	Milk	pCi/L	Strontium-90	9.83E+00	1.48E+01	1.02	Acceptable
EZA	4th/2012	02/01/13	E10325	Milk	pCi/L	Iodine-131	9.57E+01	9.00E+01	1.06	Acceptable
EZA	4th/2012	02/01/13	E10325	Milk	pCi/L	Chromium-51	3.67E+02	3.48E+02	1.06	Acceptable
EZA	4th/2012	02/01/13	E10325	Milk	pCi/L	Cesium-134	1.54E+02	1.65E+02	0.93	Acceptable
EZA	4th/2012	02/01/13	E10325	Milk	pCi/L	Cesium-137	1.18E+02	1.17E+02	1.01	Acceptable
EZA	4th/2012	02/01/13	E10325	Milk	pCi/L	Cobalt-58	9.85E+01	9.85E+01	1	Acceptable
EZA	4th/2012	02/01/13	E10325	Milk	pCi/L	Manganese-54	1.16E+02	1.16E+02	1	Acceptable
EZA	4th/2012	02/01/13	E10325	Milk	pCi/L	Iron-59	1.33E+02	1.16E+02	1.15	Acceptable
EZA	4th/2012	02/01/13	E10325	Milk	pCi/L	Zinc-65	3.19E+02	2.91E+02	1.09	Acceptable
EZA	4th/2012	02/01/13	E10325	Milk	pCi/L	Cobalt-60	1.73E+02	1.70E+02	1.02	Acceptable
EZA	4th/2012	02/01/13	E10325	Milk	pCi/L	Cesium-141	5.38E+01	5.10E+01	1.05	Acceptable
EZA	4th/2012	02/01/13	E10380	Water	pCi/L	Iodine-131	7.47E+01	7.25E+01	1.03	Acceptable
EZA	4th/2012	02/01/13	E10380	Water	pCi/L	Chromium-51	3.81E+02	3.62E+02	1.05	Acceptable
EZA	4th/2012	02/01/13	E10380	Water	pCi/L	Cesium-134	1.57E+02	1.73E+02	0.91	Acceptable
EZA	4th/2012	02/01/13	E10380	Water	pCi/L	Cesium-137	1.25E+02	1.22E+02	1.03	Acceptable
EZA	4th/2012	02/01/13	E10380	Water	pCi/L	Cobalt-58	1.02E+02	1.03E+02	0.99	Acceptable
EZA	4th/2012	02/01/13	E10380	Water	pCi/L	Manganese-54	1.28E+02	1.21E+02	1.06	Acceptable
EZA	4th/2012	02/01/13	E10380	Water	pCi/L	Iron-59	1.38E+02	1.21E+02	1.14	Acceptable
EZA	4th/2012	02/01/13	E10380	Water	pCi/L	Zinc-65	2.13E+02	1.94E+02	1.1	Acceptable
EZA	4th/2012	02/01/13	E10380	Water	pCi/L	Cobalt-60	1.80E+02	1.77E+02	1.01	Acceptable
ERA	1st/ 2013	02/28/13	RAD - 92	Water	pCi/L	Barium-133	55.4	54.4	44.9-60.2	Acceptable
ERA	1st/ 2013	02/28/13	RAD - 92	Water	pCi/L	Cesium-134	27.2	29.9	23.4-32.9	Acceptable
ERA	1st/ 2013	02/28/13	RAD - 92	Water	pCi/L	Cesium-137	74.3	75.3	67.8-85.5	Acceptable
ERA	1st/ 2013	02/28/13	RAD - 92	Water	pCi/L	Cobalt-60	89.0	97.7	87.9-110	Acceptable
ERA	1st/ 2013	02/28/13	RAD - 92	Water	pCi/L	Zinc-65	126	114	103-136	Acceptable
ERA	1st/ 2013	02/28/13	RAD - 92	Water	pCi/L	Gross Alpha	26.0	24.8	12.5-33.0	Acceptable
ERA	1st/ 2013	02/28/13	RAD - 92	Water	pCi/L	Gross Beta	19.4	19.3	11.3-27.5	Acceptable
ERA	1st/ 2013	02/28/13	RAD - 92	Water	pCi/L	Gross Alpha	31.4	24.8	12.5-33.0	Acceptable

PT Provider	Quarter / Year	Analytical Date	Sample Number	Sample Media	Unit	Analyte / Nuclide	GEL Value	Known value	Acceptance Range/ Ratio	Evaluation
ERA	1st/ 2013	02/28/13	RAD - 92	Water	pCi/L	Radium-226	10.4	9.91	7.42-11.6	Acceptable
ERA	1st/ 2013	02/28/13	RAD - 92	Water	pCi/L	Radium-228	4.84	5.22	3.14-6.96	Acceptable
ERA	1st/ 2013	02/28/13	RAD - 92	Water	pCi/L	Uranium (Nat)	6.43	5.96	4.47-7.13	Acceptable
ERA	1st/ 2013	02/28/13	RAD - 92	Water	ug/L	Uranium (Nat) mass	9.59	8.69	6.50-10.4	Acceptable
ERA	1st/ 2013	02/28/13	RAD - 92	Water	pCi/L	Radium-226	11.60	9.91	7.42-11.6	Acceptable
ERA	1st/ 2013	02/28/13	RAD - 92	Water	pCi/L	Radium-228	5.13	5.22	3.14-6.96	Acceptable
ERA	1st/ 2013	02/28/13	RAD - 92	Water	pCi/L	Uranium (Nat)	5.95	5.96	4.47-7.13	Acceptable
ERA	1st/ 2013	02/28/13	RAD - 92	Water	ug/L	Uranium (Nat) mass	9.95	8.69	6.50-10.4	Acceptable
ERA	1st/ 2013	02/28/13	RAD - 92	Water	pCi/L	Tritium	1430	1320	1040-1480	Acceptable
ERA	1st/ 2013	02/28/13	RAD - 92	Water	pCi/L	Strontium-89	47.5	48	37.6-55.3	Acceptable
ERA	1st/ 2013	02/28/13	RAD - 92	Water	pCi/L	Strontium-90	35.9	39.8	29.2-45.8	Acceptable
ERA	1st/ 2013	02/28/13	RAD - 92	Water	pCi/L	Strontium-89	42.9	48	37.6-55.3	Acceptable
ERA	1st/ 2013	02/28/13	RAD - 92	Water	pCi/L	Strontium-90	34.6	39.8	29.2-45.8	Acceptable
ERA	1st/ 2013	02/28/13	RAD - 92	Water	pCi/L	Iodine-131	23.6	22.7	18.8-27.0	Acceptable
ERA	1st/ 2013	02/28/13	RAD - 92	Water	pCi/L	Iodine-131	27	22.7	18.8-27.0	Acceptable
EZA	1st/ 2013	04/25/13	E10469	Cartridge	pCi	Iodine-131	9.38E+01	9.27E+01	1.01	Acceptable
EZA	1st/ 2013	04/25/13	E10470	Milk	pCi/L	Strontium-89	1.07E+02	9.97E+01	1.07	Acceptable
EZA	1st/ 2013	04/25/13	E10470	Milk	pCi/L	Strontium-90	1.18E+01	1.10E+01	1.07	Acceptable
EZA	1st/ 2013	04/25/13	E10471	Milk	pCi/L	Iodine-131	3.54E+00	1.67E+00	1.12	Acceptable
EZA	1st/ 2013	04/25/13	E10471	Milk	pCi/L	Cerium-141	2.00E+01	1.87E+01	1.07	Acceptable
EZA	1st/ 2013	04/25/13	E10471	Milk	pCi/L	Chromium-51	5.09E+01	4.72E+01	1.08	Acceptable
EZA	1st/ 2013	04/25/13	E10471	Milk	pCi/L	Cesium-134	2.06E+02	2.14E+02	0.96	Acceptable
EZA	1st/ 2013	04/25/13	E10471	Milk	pCi/L	Cesium-137	2.83E+02	2.66E+02	1.07	Acceptable
EZA	1st/ 2013	04/25/13	E10471	Milk	pCi/L	Cobalt-58	2.19E+02	2.08E+02	1.05	Acceptable
EZA	1st/ 2013	04/25/13	E10471	Milk	pCi/L	Mn-54	2.21E+02	2.08E+02	1.06	Acceptable
EZA	1st/ 2013	04/25/13	E10471	Milk	pCi/L	Iron-59	2.78E+02	2.52E+02	1.1	Acceptable
EZA	1st/ 2013	04/25/13	E10471	Milk	pCi/L	Zinc-65	3.39E+02	3.01E+02	1.13	Acceptable
EZA	1st/ 2013	04/25/13	E10471	Milk	pCi/L	Cobalt-60	4.02E+02	4.00E+02	1.01	Acceptable
EZA	1st/ 2013	04/25/13	E10472	Water	pCi/L	Iodine-131	1.12E+02	9.28E+01	1.21	Acceptable
EZA	1st/ 2013	04/25/13	E10472	Water	pCi/L	Cerium-141	1.88E+02	1.79E+02	1.05	Acceptable
EZA	1st/ 2013	04/25/13	E10472	Water	pCi/L	Chromium-51	4.84E+02	4.52E+02	1.07	Acceptable
EZA	1st/ 2013	04/25/13	E10472	Water	pCi/L	Cesium-134	1.96E+02	2.05E+02	0.96	Acceptable
EZA	1st/ 2013	04/25/13	E10472	Water	pCi/L	Cesium-137	2.71E+02	2.54E+02	1.07	Acceptable
EZA	1st/ 2013	04/25/13	E10472	Water	pCi/L	Cobalt-58	2.03E+02	1.99E+02	1.02	Acceptable

PT Provider	Quarter / Year	Analytical Date	Sample Number	Sample Media	Unit	Analyte / Nuclide	GEL Value	Known value	Acceptance Range/ Ratio	Evaluation
EZA	1st/ 2013	04/25/13	E10472	Water	pCi/L	Mn-54	2.15E+02	1.99E+02	1.08	Acceptable
EZA	1st/ 2013	04/25/13	E10472	Water	pCi/L	Iron-59	2.67E+02	2.41E+02	1.11	Acceptable
EZA	1st/ 2013	04/25/13	E10472	Water	pCi/L	Zinc-65	3.14E+02	2.88E+02	1.09	Acceptable
EZA	1st/ 2013	04/25/13	E10472	Water	pCi/L	Cobalt-60	3.92E+02	3.83E+02	1.02	Acceptable
MAPEP	2nd/2013	05/13/13	MAPEP-27-GrF28	Filter	Bq/sample	Gross Alpha	0.656	1.20	0.36-2.04	Acceptable
MAPEP	2nd/2013	05/13/13	MAPEP-27-GrF29	Filter	Bq/sample	Gross Beta	0.954	0.85	0.43-1.28	Acceptable
MAPEP	2nd/2013	05/13/13	MAPEP-13-MaS28	Soil	mg/kg	Americium-241	118	113	79-147	Acceptable
MAPEP	2nd/2013	05/13/13	MAPEP-13-MaS28	Soil	mg/kg	Cesium-134	829	887	621-1153	Acceptable
MAPEP	2nd/2013	05/13/13	MAPEP-13-MaS28	Soil	mg/kg	Cesium-137	623	587	411-763	Acceptable
MAPEP	2nd/2013	05/13/13	MAPEP-13-MaS28	Soil	mg/kg	Cobalt-57	1.04	0	False Pos Test	Acceptable
MAPEP	2nd/2013	05/13/13	MAPEP-13-MaS28	Soil	mg/kg	Cobalt-60	737	691	484-898	Acceptable
MAPEP	2nd/2013	05/13/13	MAPEP-13-MaS28	Soil	mg/kg	Iron-55	-0.380	0	False Pos Test	Acceptable
MAPEP	2nd/2013	05/13/13	MAPEP-13-MaS28	Soil	mg/kg	Manganese-54	0.760	0	False Pos Test	Acceptable
MAPEP	2nd/2013	05/13/13	MAPEP-13-MaS28	Soil	mg/kg	Nickel-63	719	670	469-871	Acceptable
MAPEP	2nd/2013	05/13/13	MAPEP-13-MaS28	Soil	mg/kg	Plutonium-238	0.571	0.52	Sens. Eval.	Acceptable
MAPEP	2nd/2013	05/13/13	MAPEP-13-MaS28	Soil	mg/kg	Plutonium-239/240	77.70	79.5	55.7-103.4	Acceptable
MAPEP	2nd/2013	05/13/13	MAPEP-13-MaS28	Soil	mg/kg	Potassium-40	713	625	438-813	Acceptable
MAPEP	2nd/2013	05/13/13	MAPEP-13-MaS28	Soil	mg/kg	Strontium-90	693.0	628	440-816	Acceptable
MAPEP	2nd/2013	05/13/13	MAPEP-13-MaS28	Soil	mg/kg	Technetium-99	419.0	444	311-577	Acceptable
MAPEP	2nd/2013	05/13/13	MAPEP-13-MaS28	Soil	mg/kg	Uranium-234/233	60.0	62.5	43.8-81.3	Acceptable
MAPEP	2nd/2013	05/13/13	MAPEP-13-MaS28	Soil	mg/kg	Uranium-238	274	281	197-365	Acceptable
MAPEP	2nd/2013	05/13/13	MAPEP-13-MaS28	Soil	mg/kg	Zinc-65	1130	995	697-1294	Acceptable
MAPEP	2nd/2013	05/13/13	MAPEP-13-MaW28	Water	Bq/L	Americium-241	0.690	0.689	0.428-0.896	Acceptable
MAPEP	2nd/2013	05/13/13	MAPEP-13-MaW28	Water	Bq/L	Cesium-134	21.1	24.4	17.1-31.7	Acceptable
MAPEP	2nd/2013	05/13/13	MAPEP-13-MaW28	Water	Bq/L	Cesium-137	0.10	0.0	False Pos Test	Acceptable
MAPEP	2nd/2013	05/13/13	MAPEP-13-MaW28	Water	Bq/L	Cobalt-57	31.0	30.9	21.6-40.2	Acceptable
MAPEP	2nd/2013	05/13/13	MAPEP-13-MaW28	Water	Bq/L	Cobalt-60	19.4	19.6	13.7-25.4	Acceptable
MAPEP	2nd/2013	05/13/13	MAPEP-13-MaW28	Water	Bq/L	Hydrogen-3	517	507	355-659	Acceptable
MAPEP	2nd/2013	05/13/13	MAPEP-13-MaW28	Water	Bq/L	Iron-55	39.7	44.0	30.8-57.2	Acceptable
MAPEP	2nd/2013	05/13/13	MAPEP-13-MaW28	Water	Bq/L	Manganese-54	28.0	27.4	19.2-35.6	Acceptable
MAPEP	2nd/2013	05/13/13	MAPEP-13-MaW28	Water	Bq/L	Nickel-63	32.9	33.4	23.4-43.4	Acceptable
MAPEP	2nd/2013	05/13/13	MAPEP-13-MaW28	Water	Bq/L	Plutonium-238	0.825	0.884	0.619-1.149	Acceptable
MAPEP	2nd/2013	05/13/13	MAPEP-13-MaW28	Water	Bq/L	Pu-239/240	0.0162	0.0096	Sens. Eval.	Acceptable
MAPEP	2nd/2013	05/13/13	MAPEP-13-MaW28	Water	Bq/L	Potassium-40	-0.471	0	False Pos Test	Acceptable
MAPEP	2nd/2013	05/13/13	MAPEP-13-MaW28	Water	Bq/L	Strontium-90	12.5	10.5	7.4-13.7	Acceptable
MAPEP	2nd/2013	05/13/13	MAPEP-13-MaW28	Water	Bq/L	Technetium-99	12.9	13.1	9.2-17.0	Acceptable
MAPEP	2nd/2013	05/13/13	MAPEP-13-MaW28	Water	Bq/L	Uranium-234/233	0.289	0.315	0.221-0.410	Acceptable
MAPEP	2nd/2013	05/13/13	MAPEP-13-MaW28	Water	Bq/L	Uranium-238	1.81	1.95	1.37-2.54	Acceptable

PT Provider	Quarter / Year	Analytical Date	Sample Number	Sample Media	Unit	Analyte / Nuclide	GEL Value	Known value	Acceptance Range/ Ratio	Evaluation
MAPEP	2nd/2013	05/13/13	MAPEP-13-MaW28	Water	Bq/L	Zinc-65	32.8	30.4	21.3-39.5	Acceptable
MAPEP	2nd/2013	05/13/13	MAPEP-13-GrW28	Water	Bq/L	Gross Alpha	2.60	2.31	0.69-3.93	Acceptable
MAPEP	2nd/2013	05/13/13	MAPEP-13-GrW28	Water	Bq/L	Gross Beta	14.2	13.0	6.5-19.5	Acceptable
MAPEP	2nd/2013	05/13/13	MAPEP-13-XaW28	Water	Bq/L	Iodine-129	5.94	6.06	4.24-7.88	Acceptable
MAPEP	2nd/2013	05/13/13	MAPEP-13-RdF28	Filter	ug/sample	Uranium-235	0.036	0.036	0.025-0.047	Acceptable
MAPEP	2nd/2013	05/13/13	MAPEP-13-RdF28	Filter	ug/sample	Uranium-238	18.0	18.6	13.0-24.2	Acceptable
MAPEP	2nd/2013	05/13/13	MAPEP-13-RdF28	Filter	ug/sample	Uranium-Total	17.7	18.6	13.0-24.2	Acceptable
MAPEP	2nd/2013	05/13/13	MAPEP-13-RdF28	Filter	ug/sample	Americium-241	0.106	0.104	0.073-0.135	Acceptable
MAPEP	2nd/2013	05/13/13	MAPEP-13-RdF28	Filter	Bq/sample	Cesium-134	1.75	1.78	1.25-2.31	Acceptable
MAPEP	2nd/2013	05/13/13	MAPEP-13-RdF28	Filter	Bq/sample	Cesium-137	2.71	2.60	1.82-3.38	Acceptable
MAPEP	2nd/2013	05/13/13	MAPEP-13-RdF28	Filter	Bq/sample	Cobalt-57	2.51	2.36	1.65-3.07	Acceptable
MAPEP	2nd/2013	05/13/13	MAPEP-13-RdF28	Filter	Bq/sample	Cobalt-60	0.005	0.00	False Pos Test	Acceptable
MAPEP	2nd/2013	05/13/13	MAPEP-13-RdF28	Filter	Bq/sample	Manganese-54	4.43	4.26	2.98-5.54	Acceptable
MAPEP	2nd/2013	05/13/13	MAPEP-13-RdF28	Filter	Bq/sample	Plutonium-238	0.124	0.127	0.089-0.165	Acceptable
MAPEP	2nd/2013	05/13/13	MAPEP-13-RdF28	Filter	Bq/sample	Pu-239/240	0.118	0.1210	0.085-0.157	Acceptable
MAPEP	2nd/2013	05/13/13	MAPEP-13-RdF28	Filter	Bq/sample	Strontium-90	1.54	1.49	1.04-1.94	Acceptable
MAPEP	2nd/2013	05/13/13	MAPEP-13-RdF28	Filter	Bq/sample	Uranium-234/233	0.0342	0.0318	0.0223-0.0413	Acceptable
MAPEP	2nd/2013	05/13/13	MAPEP-13-RdF28	Filter	Bq/sample	Uranium-238	0.230	0.231	0.162-0.300	Acceptable
MAPEP	2nd/2013	05/13/13	MAPEP-13-RdF28	Filter	Bq/sample	Zinc-65	3.38	3.13	2.19-4.07	Acceptable
MAPEP	2nd/2013	05/13/13	MAPEP-13-GrF28	Filter	Bq/sample	Gross Alpha	0.656	1.20	0.36-2.04	Acceptable
MAPEP	2nd/2013	05/13/13	MAPEP-13-GrF28	Filter	Bq/sample	Gross Beta	0.95	0.85	0.43-1.28	Acceptable
MAPEP	2nd/2013	05/13/13	MAPEP-13-RdF28	Filter	Bq/sample	Americium-241	0.106	0.104	0.073-0.135	Acceptable
MAPEP	2nd/2013	05/13/13	MAPEP-13-RdV28	Vegetation	ug/sample	Uranium-235	0.0029	0.001	0.0009-0.0017	Not Accept. CARR130513-789
MAPEP	2nd/2013	05/13/13	MAPEP-13-RdV28	Vegetation	ug/sample	Uranium-238	0.419	0.180	0.13-0.23	Not Accept. CARR130513-789
MAPEP	2nd/2013	05/13/13	MAPEP-13-RdV28	Vegetation	ug/sample	Uranium-Total	0.4219	0.180	0.13-0.23	Not Accept. CARR130513-789
MAPEP	2nd/2013	05/13/13	MAPEP-13-RdV28	Vegetation	ug/sample	Americium-241	0.1350	0.140	0.098-0.182	Acceptable
MAPEP	2nd/2013	05/13/13	MAPEP-13-RdV28	Vegetation	Bq/sample	Cesium-134	0.0525	0.00	False Pos Test	Acceptable
MAPEP	2nd/2013	05/13/13	MAPEP-13-RdV28	Vegetation	Bq/sample	Cesium-137	7.13	6.87	4.81-8.93	Acceptable
MAPEP	2nd/2013	05/13/13	MAPEP-13-RdV28	Vegetation	Bq/sample	Cobalt-57	8.86	8.68	6.08-11.28	Acceptable
MAPEP	2nd/2013	05/13/13	MAPEP-13-RdV28	Vegetation	Bq/sample	Cobalt-60	6.07	5.85	4.10-7.61	Acceptable
MAPEP	2nd/2013	05/13/13	MAPEP-13-RdV28	Vegetation	Bq/sample	Manganese-54	-0.002	0.00	False Pos Test	Acceptable
MAPEP	2nd/2013	05/13/13	MAPEP-13-RdV28	Vegetation	Bq/sample	Plutonium-238	0.110	0.110	0.077-0.143	Acceptable
MAPEP	2nd/2013	05/13/13	MAPEP-13-RdV28	Vegetation	Bq/sample	Pu-239/240	0.113	0.123	0.086-0.160	Acceptable
MAPEP	2nd/2013	05/13/13	MAPEP-13-RdV28	Vegetation	Bq/sample	Strontium-90	1.358	1.64	1.15-2.13	Acceptable
MAPEP	2nd/2013	05/13/13	MAPEP-13-RdV28	Vegetation	Bq/sample	Uranium-234/233	0.0081	0.0038	Sens. Eval.	Not Accept. CARR130513-789
MAPEP	2nd/2013	05/13/13	MAPEP-13-RdV28	Vegetation	Bq/sample	Uranium-238	0.00489	0.002	Sens. Eval.	Not Accept. CARR130513-789
MAPEP	2nd/2013	05/13/13	MAPEP-13-RdV28	Vegetation	Bq/sample	Zinc-65	6.59	6.25	4.38-8.13	Acceptable

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ERA	2nd/2013	05/22/13	MRAD-18	Soil	pCi/kg	Actinium-228	1500	1240	795-1720	Acceptable
ERA	2nd/2013	05/22/13	MRAD-18	Soil	pCi/kg	Americium-241	225	229	134-297	Acceptable
ERA	2nd/2013	05/22/13	MRAD-18	Soil	pCi/kg	Bismuth-212	1250	1240	330-1820	Acceptable
ERA	2nd/2013	05/22/13	MRAD-18	Soil	pCi/kg	Bismuth-214	4410	3660	2200-5270	Acceptable
ERA	2nd/2013	05/22/13	MRAD-18	Soil	pCi/kg	Cesium-134	7850	6370	4160-7650	Not Accept. CARR130522-791
ERA	2nd/2013	05/22/13	MRAD-18	Soil	pCi/kg	Cesium-137	8070	6120	4690-7870	Not Accept. CARR130522-791
ERA	2nd/2013	05/22/13	MRAD-18	Soil	pCi/kg	Cobalt-60	10300	7920	5360-10900	Acceptable
ERA	2nd/2013	05/22/13	MRAD-18	Soil	pCi/kg	Lead-212	1290	1240	812-1730	Acceptable
ERA	2nd/2013	05/22/13	MRAD-18	Soil	pCi/kg	Lead-214	4690	3660	2140-5460	Acceptable
ERA	2nd/2013	05/22/13	MRAD-18	Soil	pCi/kg	Manganese-54	<63.4	<1000	0-1000	Acceptable
ERA	2nd/2013	05/22/13	MRAD-18	Soil	pCi/kg	Plutonium-238	651	788.00	474-1090	Acceptable
ERA	2nd/2013	05/22/13	MRAD-18	Soil	pCi/kg	Plutonium-239	320	366.00	239-506	Acceptable
ERA	2nd/2013	05/22/13	MRAD-18	Soil	pCi/kg	Potassium-40	10300	10300	7520-13800	Acceptable
ERA	2nd/2013	05/22/13	MRAD-18	Soil	pCi/kg	Strontium-90	6730	8530	3250-13500	Acceptable
ERA	2nd/2013	05/22/13	MRAD-18	Soil	pCi/kg	Thorium-234	3290	1900	601-3570	Acceptable
ERA	2nd/2013	05/22/13	MRAD-18	Soil	pCi/kg	Zinc-65	1910	1400	1110-1860	Not Accept. CARR130522-791
ERA	2nd/2013	05/22/13	MRAD-18	Soil	pCi/kg	Strontium-90	6730	8530	3250-13500	Acceptable
ERA	2nd/2013	05/22/13	MRAD-18	Soil	pCi/kg	Uranium-234	1210	1920	1170-2460	Acceptable
ERA	2nd/2013	05/22/13	MRAD-18	Soil	pCi/kg	Uranium-238	1630	1900	1180-2410	Acceptable
ERA	2nd/2013	05/22/13	MRAD-18	Soil	pCi/kg	Uranium-Total	2840	3920	2130-5170	Acceptable
ERA	2nd/2013	05/22/13	MRAD-18	Soil	ug/kg	Uranium-Total(mass)	4150	5710	3150-7180	Acceptable
ERA	2nd/2013	05/22/13	MRAD-18	Vegetation	pCi/kg	Americium-241	629	553	338-735	Acceptable
ERA	2nd/2013	05/22/13	MRAD-18	Vegetation	pCi/kg	Cesium-134	1400	1240	797-1610	Acceptable
ERA	2nd/2013	05/22/13	MRAD-18	Vegetation	pCi/kg	Cesium-137	687	544	394-757	Acceptable
ERA	2nd/2013	05/22/13	MRAD-18	Vegetation	pCi/kg	Cobalt-60	2410	1920	1320-2680	Acceptable
ERA	2nd/2013	05/22/13	MRAD-18	Vegetation	pCi/kg	Curium-244	1420	1340	657-2090	Acceptable
ERA	2nd/2013	05/22/13	MRAD-18	Vegetation	pCi/kg	Manganese-54	<47.4	<300	0.00-300	Acceptable
ERA	2nd/2013	05/22/13	MRAD-18	Vegetation	pCi/kg	Plutonium-238	2060	1980	1180-2710	Acceptable
ERA	2nd/2013	05/22/13	MRAD-18	Vegetation	pCi/kg	Plutonium-239	2230	2260	1390-3110	Acceptable
ERA	2nd/2013	05/22/13	MRAD-18	Vegetation	pCi/kg	Potassium-40	35600	31900	23000-44800	Acceptable
ERA	2nd/2013	05/22/13	MRAD-18	Vegetation	pCi/kg	Strontium-90	3720	3840	2190-5090	Acceptable
ERA	2nd/2013	05/22/13	MRAD-18	Vegetation	pCi/kg	Uranium-234	2650	2460	1620-3160	Acceptable
ERA	2nd/2013	05/22/13	MRAD-18	Vegetation	pCi/kg	Uranium-238	2580	2440	1630-3100	Acceptable
ERA	2nd/2013	05/22/13	MRAD-18	Vegetation	pCi/kg	Uranium-Total	5361	5010	3390-6230	Acceptable
ERA	2nd/2013	05/22/13	MRAD-18	Vegetation	ug/kg	Uranium-Total(mass)	7740	7310	4900-9280	Acceptable
ERA	2nd/2013	05/22/13	MRAD-18	Vegetation	pCi/kg	Zinc-65	1150	878	633-1230	Acceptable
ERA	2nd/2013	05/22/13	MRAD-18	Filter	pCi/Filter	Americium-241	62.9	66.8	41.2-90.4	Acceptable
ERA	2nd/2013	05/22/13	MRAD-18	Filter	pCi/Filter	Cesium-134	1080	*1110*	*706-1380*	Acceptable

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ERA	2nd/2013	05/22/13	MRAD-18	Filter	pCi/Filter	Cesium-137	971	*940*	*706-1230*	Acceptable
ERA	2nd/2013	05/22/13	MRAD-18	Filter	pCi/Filter	Cobalt-60	217	214	166-267	Acceptable
ERA	2nd/2013	05/22/13	MRAD-18	Filter	pCi/Filter	Iron-55	224	225	69.8-440	Acceptable
ERA	2nd/2013	05/22/13	MRAD-18	Filter	pCi/Filter	Manganese-54	<5.27	<50.0	0-50.0	Acceptable
ERA	2nd/2013	05/22/13	MRAD-18	Filter	pCi/Filter	Plutonium-238	48.0	50.1	34.3-65.9	Acceptable
ERA	2nd/2013	05/22/13	MRAD-18	Filter	pCi/Filter	Plutonium-239	62.7	65.2	47.2-85.2	Acceptable
ERA	2nd/2013	05/22/13	MRAD-18	Filter	pCi/Filter	Strontium-90	139	138	67.4-207	Acceptable
ERA	2nd/2013	05/22/13	MRAD-18	Filter	pCi/Filter	Uranium-234	54.5	59.4	36.8-89.6	Acceptable
ERA	2nd/2013	05/22/13	MRAD-18	Filter	pCi/Filter	Uranium-238	58.5	58.9	38.1-81.4	Acceptable
ERA	2nd/2013	05/22/13	MRAD-18	Filter	pCi/Filter	Uranium-Total	117	121	67.0-184	Acceptable
ERA	2nd/2013	05/22/13	MRAD-18	Filter	ug/Filter	Uranium-Total(mass)	176	176	113-248	Acceptable
ERA	2nd/2013	05/22/13	MRAD-18	Filter	pCi/Filter	Zinc-65	222	199	142-275	Acceptable
ERA	2nd/2013	05/22/13	MRAD-18	Filter	pCi/Filter	Gross Alpha	55.5	42.3	14.2-65.7	Acceptable
ERA	2nd/2013	05/22/13	MRAD-18	Filter	pCi/Filter	Gross Beta	31	25.1	15.9-36.6	Acceptable
ERA	2nd/2013	05/22/13	MRAD-18	Water	pCi/L	Americium-241	118	118	79.5-158	Acceptable
ERA	2nd/2013	05/22/13	MRAD-18	Water	pCi/L	Cesium-134	1320	1400	1030-1610	Acceptable
ERA	2nd/2013	05/22/13	MRAD-18	Water	pCi/L	Cesium-137	1900	1880	1600-2250	Acceptable
ERA	2nd/2013	05/22/13	MRAD-18	Water	pCi/L	Cobalt-60	2370	2270	1970-2660	Acceptable
ERA	2nd/2013	05/22/13	MRAD-18	Water	pCi/L	Iron-55	812	712	424-966	Acceptable
ERA	2nd/2013	05/22/13	MRAD-18	Water	pCi/L	Manganese-54	<7.6	<100	0.00-100	Acceptable
ERA	2nd/2013	05/22/13	MRAD-18	Water	pCi/L	Plutonium-238	91	99	73.1-123	Acceptable
ERA	2nd/2013	05/22/13	MRAD-18	Water	pCi/L	Plutonium-239	161	185	144-233	Acceptable
ERA	2nd/2013	05/22/13	MRAD-18	Water	pCi/L	Strontium-90	144	137	89.2-181	Acceptable
ERA	2nd/2013	05/22/13	MRAD-18	Water	pCi/L	Uranium-234	47.3	48.8	36.7-62.9	Acceptable
ERA	2nd/2013	05/22/13	MRAD-18	Water	pCi/L	Uranium-238	50.8	48.4	36.9-59.4	Acceptable
ERA	2nd/2013	05/22/13	MRAD-18	Water	pCi/L	Uranium-Total	98.1	99.5	73.1-129	Acceptable
ERA	2nd/2013	05/22/13	MRAD-18	Water	ug/L	Uranium-Total(mass)	152	145	116-175	Acceptable
ERA	2nd/2013	05/22/13	MRAD-18	Water	pCi/L	Zinc-65	428	384	320-484	Acceptable
ERA	2nd/2013	05/22/13	MRAD-18	Water	pCi/L	Gross Alpha	138.0	130	46.2-201	Acceptable
ERA	2nd/2013	05/22/13	MRAD-18	Water	pCi/L	Gross Beta	87	78.9	45.2-117	Acceptable
ERA	2nd/2013	05/22/13	MRAD-18	Water	pCi/L	Tritium	13100	12300	8240-17500	Acceptable
EZA	2nd/2013	08/02/13	E10577	Cartridge	pCi	Iodine-131	9.16E+01	9.55E+01	1.02	Acceptable
EZA	2nd/2013	08/02/13	E10578	Milk	pCi/L	Strontium-89	9.27E+01	9.04E+01	0.98	Acceptable
EZA	2nd/2013	08/02/13	E10578	Milk	pCi/L	Strontium-90	1.20E+01	1.70E+01	0.7	Acceptable
EZA	2nd/2013	08/02/13	E10579	Milk	pCi/L	Iodine-131	9.86E+01	9.55E+01	1.03	Acceptable
EZA	2nd/2013	08/02/13	E10579	Milk	pCi/L	Cerium-141	9.44E+01	9.04E+01	1.04	Acceptable
EZA	2nd/2013	08/02/13	E10579	Milk	pCi/L	Chromium-51	2.58E+02	2.50E+02	1.03	Acceptable
EZA	2nd/2013	08/02/13	E10579	Milk	pCi/L	Cesium-134	1.21E+02	1.25E+02	0.97	Acceptable
EZA	2nd/2013	08/02/13	E10579	Milk	pCi/L	Cesium-137	1.49E+02	1.51E+02	0.99	Acceptable
EZA	2nd/2013	08/02/13	E10579	Milk	pCi/L	Cobalt-58	9.44E+01	9.40E+01	1.00	Acceptable

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EZA	2nd/2013	08/02/13	E10579	Milk	pCi/L	Manganese-54	1.80E+02	1.72E+02	1.05	Acceptable
EZA	2nd/2013	08/02/13	E10579	Milk	pCi/L	Iron-59	1.36E+02	1.20E+02	1.14	Acceptable
EZA	2nd/2013	08/02/13	E10579	Milk	pCi/L	Zinc-65	2.39E+02	2.17E+02	1.10	Acceptable
EZA	2nd/2013	08/02/13	E10579	Milk	pCi/L	Cobalt-60	1.77E+02	1.75E+02	1.01	Acceptable
EZA	2nd/2013	08/02/13	E10178	Water	pCi/L	Iodine-131	9.33E+01	9.54E+01	0.98	Acceptable
EZA	2nd/2013	08/02/13	E10178	Water	pCi/L	Cerium-141	1.15E+02	1.10E+02	1.04	Acceptable
EZA	2nd/2013	08/02/13	E10178	Water	pCi/L	Chromium-51	3.40E+02	3.06E+02	1.11	Acceptable
EZA	2nd/2013	08/02/13	E10178	Water	pCi/L	Cesium-134	1.48E+02	1.53E+02	0.97	Acceptable
EZA	2nd/2013	08/02/13	E10178	Water	pCi/L	Cesium-137	1.83E+02	1.84E+02	0.99	Acceptable
EZA	2nd/2013	08/02/13	E10178	Water	pCi/L	Cobalt-58	1.13E+02	1.15E+02	0.99	Acceptable
EZA	2nd/2013	08/02/13	E10178	Water	pCi/L	Manganese-54	2.09E+02	2.10E+02	1.00	Acceptable
EZA	2nd/2013	08/02/13	E10178	Water	pCi/L	Iron-59	1.51E+02	1.46E+02	1.03	Acceptable
EZA	2nd/2013	08/02/13	E10178	Water	pCi/L	Zinc-65	2.86E+02	2.65E+02	1.08	Acceptable
EZA	2nd/2013	08/02/13	E10178	Water	pCi/L	Cobalt-60	2.25E+02	2.14E+02	1.05	Acceptable
ERA	3rd / 2013	08/22/13	RAD - 94	Water	pCi/L	Barium-133	76.4	740.5	62.4-82.0	Acceptable
ERA	3rd / 2013	08/22/13	RAD - 94	Water	pCi/L	Cesium-134	68.7	72.4	59.1-79.6	Acceptable
ERA	3rd / 2013	08/22/13	RAD - 94	Water	pCi/L	Cesium-137	154	155	140-172	Acceptable
ERA	3rd / 2013	08/22/13	RAD - 94	Water	pCi/L	Cobalt-60	85.3	82.3	74.1-92.9	Acceptable
ERA	3rd / 2013	08/22/13	RAD - 94	Water	pCi/L	Zinc-65	297	260	234-304	Acceptable
ERA	3rd / 2013	08/22/13	RAD - 94	Water	pCi/L	Gross Alpha	74.3	57.1	29.8-71.2	Not Acceptable CARR130826-810
ERA	3rd / 2013	08/22/13	RAD - 94	Water	pCi/L	Gross Beta	34.3	41.8	27.9-49.2	Acceptable
ERA	3rd / 2013	08/22/13	RAD - 94	Water	pCi/L	Gross Alpha	67.7	57.1	29.8-71.2	Acceptable
ERA	3rd / 2013	08/22/13	RAD - 94	Water	pCi/L	Radium-226	16.9	17.2	12.8-19.7	Acceptable
ERA	3rd / 2013	08/22/13	RAD - 94	Water	pCi/L	Radium-226	17	17.2	12.8-19.7	Acceptable
ERA	3rd / 2013	08/22/13	RAD - 94	Water	pCi/L	Radium-228	3.53	3.86	2.18-5.4	Acceptable
ERA	3rd / 2013	08/22/13	RAD - 94	Water	pCi/L	Uranium (Nat)	20.4	21.4	17.1-24.1	Acceptable
ERA	3rd / 2013	08/22/13	RAD - 94	Water	ug/L	Uranium (Nat) mass	30.4	31.2	25.0-35.2	Acceptable
ERA	3rd / 2013	08/22/13	RAD - 94	Water	pCi/L	Radium-226	14.6	17.2	12.8-19.7	Acceptable
ERA	3rd / 2013	08/22/13	RAD - 94	Water	pCi/L	Uranium (Nat)	21.6	21.4	17.1-24.1	Acceptable
ERA	3rd / 2013	08/22/13	RAD - 94	Water	ug/L	Uranium (Nat) mass	33.7	31.2	25-35.2	Acceptable
ERA	3rd / 2013	08/22/13	RAD - 94	Water	pCi/L	Tritium	12500	13300	11600-14600	Acceptable
ERA	3rd / 2013	08/22/13	RAD - 94	Water	pCi/L	Strontium-89	48.9	36.5	27.4-43.4	Not Acceptable CARR130826-810
ERA	3rd / 2013	08/22/13	RAD - 94	Water	pCi/L	Strontium-90	14.3	19.8	14.1-23.4	Acceptable
ERA	3rd / 2013	08/22/13	RAD - 94	Water	pCi/L	Strontium-89	44.3	36.5	27.4-43.4	Not Acceptable CARR130826-810
ERA	3rd / 2013	08/22/13	RAD - 94	Water	pCi/L	Strontium-90	17.3	19.8	14.1-23.4	Acceptable
ERA	3rd / 2013	08/22/13	RAD - 94	Water	pCi/L	Iodine-131	26.1	24.3	20.2-28.8	Acceptable
ERA	3rd/2013	08/22/13	RAD - 94	Water	pCi/L	Iodine-131	23.3	24.3	20.2-28.8	Acceptable
EZA	3rd/2013	10/25/13	E10625	Cartridge	pCi	Iodine-131	8.57E+01	7.96E+01	1.08	Acceptable

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EZA	3rd/2013	10/25/13	E10626	Milk	pCi/L	Strontium-89	9.33E+01	9.60E+01	0.97	Acceptable
EZA	3rd/2013	10/25/13	E10626	Milk	pCi/L	Strontium-90	1.09E+01	1.32E+01	0.83	Acceptable
EZA	3rd/2013	10/25/13	E10627	Milk	pCi/L	Iodine-131	1.00E+02	9.83E+01	1.02	Acceptable
EZA	3rd/2013	10/25/13	E10627	Milk	pCi/L	Chromium-51	3.09E+02	2.77E+02	1.11	Acceptable
EZA	3rd/2013	10/25/13	E10627	Milk	pCi/L	Cesium-134	1.46E+02	1.72E+02	0.85	Acceptable
EZA	3rd/2013	10/25/13	E10627	Milk	pCi/L	Cesium-137	1.33E+02	1.31E+02	1.02	Acceptable
EZA	3rd/2013	10/25/13	E10627	Milk	pCi/L	Cobalt-58	1.04E+02	1.08E+02	0.97	Acceptable
EZA	3rd/2013	10/25/13	E10627	Milk	pCi/L	Manganese-54	1.44E+02	1.39E+02	1.04	Acceptable
EZA	3rd/2013	10/25/13	E10627	Milk	pCi/L	Iron-59	1.43E+02	1.30E+02	1.1	Acceptable
EZA	3rd/2013	10/25/13	E10627	Milk	pCi/L	Zinc-65	2.86E+02	2.66E+02	1.07	Acceptable
EZA	3rd/2013	10/25/13	E10627	Milk	pCi/L	Cobalt-60	2.01E+02	1.96E+02	1.03	Acceptable
EZA	3rd/2013	10/25/13	E10628	Water	pCi/L	Iodine-131	1.01E+02	9.79E+01	1.03	Acceptable
EZA	3rd/2013	10/25/13	E10628	Water	pCi/L	Chromium-51	2.80E+02	2.51E+02	1.12	Acceptable
EZA	3rd/2013	10/25/13	E10628	Water	pCi/L	Cesium-134	1.42E+02	1.56E+02	0.91	Acceptable
EZA	3rd/2013	10/25/13	E10628	Water	pCi/L	Cesium-137	1.19E+02	1.18E+02	1.01	Acceptable
EZA	3rd/2013	10/25/13	E10628	Water	pCi/L	Cobalt-58	9.80E+01	9.73E+01	1.01	Acceptable
EZA	3rd/2013	10/25/13	E10628	Water	pCi/L	Manganese-54	1.29E+02	1.25E+02	1.05	Acceptable
EZA	3rd/2013	10/25/13	E10628	Water	pCi/L	Iron-59	1.23E+02	1.18E+02	1.04	Acceptable
EZA	3rd/2013	10/25/13	E10628	Water	pCi/L	Zinc-65	2.62E+02	2.41E+02	1.09	Acceptable
EZA	3rd/2013	10/25/13	E10628	Water	pCi/L	Cobalt-60	1.87E+02	1.77E+02	1.06	Acceptable
MAPEP	4th/2013	11/12/13	MAPEP-13-GrF29	Filter	Bq/sample	Gross Alpha	1.090	0.900	0.3-1.5	Acceptable
MAPEP	4th/2013	11/12/13	MAPEP-13-GrF29	Filter	Bq/sample	Gross Beta	1.730	1.630	0.82-2.45	Acceptable
MAPEP	4th/2013	11/12/13	MAPEP-13-MaS29	Soil	mg/kg	Americium-241	0.00	0	False Pos Test	Acceptable
MAPEP	4th/2013	11/12/13	MAPEP-13-MaS29	Soil	mg/kg	Cesium-134	1090	1172	820-1524	Acceptable
MAPEP	4th/2013	11/12/13	MAPEP-13-MaS29	Soil	mg/kg	Cesium-137	1010	977	684-1270	Acceptable
MAPEP	4th/2013	11/12/13	MAPEP-13-MaS29	Soil	mg/kg	Cobalt-57	0.0	0	False Pos Test	Acceptable
MAPEP	4th/2013	11/12/13	MAPEP-13-MaS29	Soil	mg/kg	Cobalt-60	462.00	451.00	316-586	Acceptable
MAPEP	4th/2013	11/12/13	MAPEP-13-MaS29	Soil	mg/kg	Iron-55	887	820	574-1066	Acceptable
MAPEP	4th/2013	11/12/13	MAPEP-13-MaS29	Soil	mg/kg	Manganese-54	692	674	472-876	Acceptable
MAPEP	4th/2013	11/12/13	MAPEP-13-MaS29	Soil	mg/kg	Nickel-63	525.0	571	400-742	Acceptable
MAPEP	4th/2013	11/12/13	MAPEP-13-MaS29	Soil	mg/kg	Plutonium-238	60.8	62	43.1-80.0	Acceptable
MAPEP	4th/2013	11/12/13	MAPEP-13-MaS29	Soil	mg/kg	Plutonium-239/240	1.33	0.4	Sens. Eval.	Acceptable
MAPEP	4th/2013	11/12/13	MAPEP-13-MaS29	Soil	mg/kg	Potassium-40	638	633	443-823	Acceptable
MAPEP	4th/2013	11/12/13	MAPEP-13-MaS29	Soil	mg/kg	Strontium-90	458.0	460	322-598	Acceptable
MAPEP	4th/2013	11/12/13	MAPEP-13-MaS29	Soil	mg/kg	Technetium-99	0.0	0	False Pos Test	Acceptable
MAPEP	4th/2013	11/12/13	MAPEP-13-MaS29	Soil	mg/kg	Uranium-234/233	26.1	30	21.0-39.0	Acceptable
MAPEP	4th/2013	11/12/13	MAPEP-13-MaS29	Soil	mg/kg	Uranium-238	30.0	34	23.8-44.2	Acceptable
MAPEP	4th/2013	11/12/13	MAPEP-13-MaS29	Soil	mg/kg	Zinc-65	0.0	0	False Pos Test	Acceptable
MAPEP	4th/2013	11/12/13	MAPEP-13-MaW29	Water	Bq/L	Americium-241	0.0001	0.000	False Pos Test	Acceptable
MAPEP	4th/2013	11/12/13	MAPEP-13-MaW29	Water	Bq/L	Cesium-134	27.20	30.0	21.0-39.0	Acceptable

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MAPEP	4th/2013	11/12/13	MAPEP-13-MaW29	Water	Bq/L	Cesium-137	31.8	31.6	22.1-41.1	Acceptable
MAPEP	4th/2013	11/12/13	MAPEP-13-MaW29	Water	Bq/L	Cobalt-57	0	0.0	False Pos Test	Acceptable
MAPEP	4th/2013	11/12/13	MAPEP-13-MaW29	Water	Bq/L	Cobalt-60	23.60	23.6	16.51-30.65	Acceptable
MAPEP	4th/2013	11/12/13	MAPEP-13-MaW29	Water	Bq/L	Hydrogen-3	-3.5	0	False Pos Test	Acceptable
MAPEP	4th/2013	11/12/13	MAPEP-13-MaW29	Water	Bq/L	Iron-55	53.00	53.3	37.3-69.3	Acceptable
MAPEP	4th/2013	11/12/13	MAPEP-13-MaW29	Water	Bq/L	Manganese-54	-0.009	0.0	False Pos Test	Acceptable
MAPEP	4th/2013	11/12/13	MAPEP-13-MaW29	Water	Bq/L	Nickel-63	27.7	26.4	18.5-34.3	Acceptable
MAPEP	4th/2013	11/12/13	MAPEP-13-MaW29	Water	Bq/L	Plutonium-238	1.070	1.216	0.851-1.581	Acceptable
MAPEP	4th/2013	11/12/13	MAPEP-13-MaW29	Water	Bq/L	Plutonium-239/240	0.907	0.996	0.697-1.295	Acceptable
MAPEP	4th/2013	11/12/13	MAPEP-13-MaW29	Water	Bq/L	Potassium-40	0.339	0	False Pos Test	Acceptable
MAPEP	4th/2013	11/12/13	MAPEP-13-MaW29	Water	Bq/L	Strontium-90	6.65	7.22	5.05-9.39	Acceptable
MAPEP	4th/2013	11/12/13	MAPEP-13-MaW29	Water	Bq/L	Technetium-99	15.4	16.20	11.3-21.1	Acceptable
MAPEP	4th/2013	11/12/13	MAPEP-13-MaW29	Water	Bq/L	Uranium-234/233	0.065	0.07	Sens. Eval.	Acceptable
MAPEP	4th/2013	11/12/13	MAPEP-13-MaW29	Water	Bq/L	Uranium-238	0.031	0.034	Sens. Eval.	Acceptable
MAPEP	4th/2013	11/12/13	MAPEP-13-MaW29	Water	Bq/L	Zinc-65	36.500	34.60	24.2-45.0	Acceptable
MAPEP	4th/2013	11/12/13	MAPEP-13-MaW29	Water	Bq/L	Gross Alpha	0.793	0.701	0.201-1.192	Acceptable
MAPEP	4th/2013	11/12/13	MAPEP-13-MaW29	Water	Bq/L	Gross Beta	6.220	5.94	2.97-8.91	Acceptable
MAPEP	4th/2013	11/12/13	MAPEP-13-RdF29	Filter	ug/sample	Uranium-235	0.034	0.032	0.0227-0.0421	Acceptable
MAPEP	4th/2013	11/12/13	MAPEP-13-RdF29	Filter	ug/sample	Uranium-238	15.8	16.5	11.6-21.5	Acceptable
MAPEP	4th/2013	11/12/13	MAPEP-13-RdF29	Filter	ug/sample	Uranium-Total	15.80	16.5	11.6-21.5	Acceptable
MAPEP	4th/2013	11/12/13	MAPEP-13-RdF29	Filter	ug/sample	Americium-241	0.0002	0.000	False Pos Test	Acceptable
MAPEP	4th/2013	11/12/13	MAPEP-13-RdF29	Filter	Bq/sample	Cesium-134	-0.0016	0.00	False Pos Test	Acceptable
MAPEP	4th/2013	11/12/13	MAPEP-13-RdF29	Filter	Bq/sample	Cesium-137	3.010	2.70	1.9-3.5	Acceptable
MAPEP	4th/2013	11/12/13	MAPEP-13-RdF29	Filter	Bq/sample	Cobalt-57	3.530	3.40	2.4-4.4	Acceptable
MAPEP	4th/2013	11/12/13	MAPEP-13-RdF29	Filter	Bq/sample	Cobalt-60	2.440	2.30	1.6-3.0	Acceptable
MAPEP	4th/2013	11/12/13	MAPEP-13-RdF29	Filter	Bq/sample	Manganese-54	3.720	3.50	2.5-4.6	Acceptable
MAPEP	4th/2013	11/12/13	MAPEP-13-RdF29	Filter	Bq/sample	Plutonium-238	0.128	0.124	0.087-0.161	Acceptable
MAPEP	4th/2013	11/12/13	MAPEP-13-RdF29	Filter	Bq/sample	Plutonium-239/240	0.092	0.0920	0.064-0.12	Acceptable
MAPEP	4th/2013	11/12/13	MAPEP-13-RdF29	Filter	Bq/sample	Strontium-90	1.690	1.81	1.27-2.35	Acceptable
MAPEP	4th/2013	11/12/13	MAPEP-13-RdF29	Filter	Bq/sample	Uranium-234/233	0.027	0.0292	0.0204-0.038	Acceptable
MAPEP	4th/2013	11/12/13	MAPEP-13-RdF29	Filter	Bq/sample	Uranium-238	0.020	0.021	0.144-0.267	Acceptable
MAPEP	4th/2013	11/12/13	MAPEP-13-RdF29	Filter	Bq/sample	Zinc-65	3.050	2.70	1.9-3.5	Acceptable
MAPEP	4th/2013	11/12/13	MAPEP-13-RdV29	Vegetation	Bq/sample	Americium-241	0.226	0.19	0.135-0.251	Acceptable
MAPEP	4th/2013	11/12/13	MAPEP-13-RdV29	Vegetation	Bq/sample	Cesium-134	4.750	5.20	3.64-6.67	Acceptable
MAPEP	4th/2013	11/12/13	MAPEP-13-RdV29	Vegetation	Bq/sample	Cesium-137	6.910	6.60	4.62-8.58	Acceptable
MAPEP	4th/2013	11/12/13	MAPEP-13-RdV29	Vegetation	Bq/sample	Cobalt-57	-0.002	0.00	False Pos Test	Acceptable
MAPEP	4th/2013	11/12/13	MAPEP-13-RdV29	Vegetation	Bq/sample	Cobalt-60	0.008	0.00	False Pos Test	Acceptable
MAPEP	4th/2013	11/12/13	MAPEP-13-RdV29	Vegetation	Bq/sample	Manganese-54	7.980	7.88	5.52-10.24	Acceptable
MAPEP	4th/2013	11/12/13	MAPEP-13-RdV29	Vegetation	Bq/sample	Plutonium-238	0.001	0.001	Sens. Eval.	Acceptable
MAPEP	4th/2013	11/12/13	MAPEP-13-RdV29	Vegetation	Bq/sample	Plutonium-239/240	0.1510	0.171	0.120-0.222	Acceptable

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MAPEP	4th/2013	11/12/13	MAPEP-13-RdV29	Vegetation	Bq/sample	Strontium-90	2.330	2.32	1.62-3.02	Acceptable
MAPEP	4th/2013	11/12/13	MAPEP-13-RdV29	Vegetation	Bq/sample	Uranium-234/233	0.046	0.047	0.0326-0.0606	Acceptable
MAPEP	4th/2013	11/12/13	MAPEP-13-RdV29	Vegetation	Bq/sample	Uranium-238	0.332	0.324	0.227-0.421	Acceptable
MAPEP	4th/2013	11/12/13	MAPEP-13-RdV29	Vegetation	Bq/sample	Zinc-65	2.850	2.63	1.84-3.42	Acceptable
MAPEP	4th/2013	11/12/13	MAPEP-13-XaW29	Water	Bq/L	Iodine-129	3.62	3.79	2.65-4.93	Acceptable
ERA	4th/2013	11/26/13	MRAD-19	Soil	pCi/kg	Actinium-228	1200	1240	795-1720	Acceptable
ERA	4th/2013	11/26/13	MRAD-19	Soil	pCi/kg	Americium-241	186	164	95.9-213	Acceptable
ERA	4th/2013	11/26/13	MRAD-19	Soil	pCi/kg	Bismuth-212	1760	1220	325-1790	Acceptable
ERA	4th/2013	11/26/13	MRAD-19	Soil	pCi/kg	Bismuth-214	4350	3740	2250-5380	Acceptable
ERA	4th/2013	11/26/13	MRAD-19	Soil	pCi/kg	Cesium-134	2690	2820	1840-3390	Acceptable
ERA	4th/2013	11/26/13	MRAD-19	Soil	pCi/kg	Cesium-137	3960	4130	3160-5310	Acceptable
ERA	4th/2013	11/26/13	MRAD-19	Soil	pCi/kg	Cobalt-60	5490	5680	3840-7820	Acceptable
ERA	4th/2013	11/26/13	MRAD-19	Soil	pCi/kg	Lead-212	1260	1220	799-1700	Acceptable
ERA	4th/2013	11/26/13	MRAD-19	Soil	pCi/kg	Lead-214	4700	3740	2180-5580	Acceptable
ERA	4th/2013	11/26/13	MRAD-19	Soil	pCi/kg	Manganese-54	<55.2	<1000	0-1000	Acceptable
ERA	4th/2013	11/26/13	MRAD-19	Soil	pCi/kg	Plutonium-238	576	658	396-908	Acceptable
ERA	4th/2013	11/26/13	MRAD-19	Soil	pCi/kg	Plutonium-239	400	397	260-548	Acceptable
ERA	4th/2013	11/26/13	MRAD-19	Soil	pCi/kg	Potassium-40	11200	12400	9080-16700	Acceptable
ERA	4th/2013	11/26/13	MRAD-19	Soil	pCi/kg	Strontium-90	8220	6860	2620-10800	Acceptable
ERA	4th/2013	11/26/13	MRAD-19	Soil	pCi/kg	Thorium-234	2870	3080	974-5790	Acceptable
ERA	4th/2013	11/26/13	MRAD-19	Soil	pCi/kg	Zinc-65	3400	3160	2520-4200	Acceptable
ERA	4th/2013	11/26/13	MRAD-19	Soil	pCi/kg	Uranium-234	2870	3080	974-5790	Acceptable
ERA	4th/2013	11/26/13	MRAD-19	Soil	pCi/kg	Uranium-238	2979	3080	1910-3910	Acceptable
ERA	4th/2013	11/26/13	MRAD-19	Soil	pCi/kg	Uranium-Total	6870	6320	3430-8340	Acceptable
ERA	4th/2013	11/26/13	MRAD-19	Soil	ug/kg	Uranium-Total(mass)	8460	9220	5080-11600	Acceptable
ERA	4th/2013	11/26/13	MRAD-19	Vegetation	pCi/kg	Americium-241	3800	3630	2220-4830	Acceptable
ERA	4th/2013	11/26/13	MRAD-19	Vegetation	pCi/kg	Cesium-134	907	859	552-1120	Acceptable
ERA	4th/2013	11/26/13	MRAD-19	Vegetation	pCi/kg	Cesium-137	1220	1030	747-1430	Acceptable
ERA	4th/2013	11/26/13	MRAD-19	Vegetation	pCi/kg	Cobalt-60	2100	1880	1300-2630	Acceptable
ERA	4th/2013	11/26/13	MRAD-19	Vegetation	pCi/kg	Curium-244	1230	1250	612-1950	Acceptable
ERA	4th/2013	11/26/13	MRAD-19	Vegetation	pCi/kg	Manganese-54	<53.3	<300	0-300	Acceptable
ERA	4th/2013	11/26/13	MRAD-19	Vegetation	pCi/kg	Plutonium-238	1280	1290	769-1770	Acceptable
ERA	4th/2013	11/26/13	MRAD-19	Vegetation	pCi/kg	Plutonium-239	2580	2770	1700-3810	Acceptable
ERA	4th/2013	11/26/13	MRAD-19	Vegetation	pCi/kg	Potassium-40	33600	33900	24500-47600	Acceptable
ERA	4th/2013	11/26/13	MRAD-19	Vegetation	pCi/kg	Strontium-90	5870	6360	3630-8430	Acceptable
ERA	4th/2013	11/26/13	MRAD-19	Vegetation	pCi/kg	Uranium-234	674	654	430-840	Acceptable
ERA	4th/2013	11/26/13	MRAD-19	Vegetation	pCi/kg	Uranium-234	1050	654	430-840	Not Acceptable CARR131205-845
ERA	4th/2013	11/26/13	MRAD-19	Vegetation	pCi/kg	Uranium-238	655	648	432-823	Acceptable
ERA	4th/2013	11/26/13	MRAD-19	Vegetation	pCi/kg	Uranium-Total	1364	1330	901-1660	Acceptable
ERA	4th/2013	11/26/13	MRAD-19	Vegetation	pCi/kg	Uranium-Total	1773	1330	901-1660	Not Acceptable

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ERA	4th/2013	11/26/13	MRAD-19	Vegetation	ug/kg	Uranium-Total(mass)	1960	1940	1300-2460	Acceptable
ERA	4th/2013	11/26/13	MRAD-19	Vegetation	pCi/kg	Zinc-65	1990	1540	1110-2160	Acceptable
ERA	4th/2013	11/26/13	MRAD-19	Filter	pCi/Filter	Americium-241	75.2	66.4	40.9-89.9	Acceptable
ERA	4th/2013	11/26/13	MRAD-19	Filter	pCi/Filter	Cesium-134	845	868.0	552-1080	Acceptable
ERA	4th/2013	11/26/13	MRAD-19	Filter	pCi/Filter	Cesium-137	641	602	452-791	Acceptable
ERA	4th/2013	11/26/13	MRAD-19	Filter	pCi/Filter	Cobalt-60	534	494	382-617	Acceptable
ERA	4th/2013	11/26/13	MRAD-19	Filter	pCi/Filter	Iron-55	466	389.0	121-760	Acceptable
ERA	4th/2013	11/26/13	MRAD-19	Filter	pCi/Filter	Manganese-54	<3.9	<50	0.00-50.0	Acceptable
ERA	4th/2013	11/26/13	MRAD-19	Filter	ug/Filter	Plutonium-238	72.8	68.5	46.9-90.1	Acceptable
ERA	4th/2013	11/26/13	MRAD-19	Filter	pCi/Filter	Plutonium-239	56.5	53.4	42.4-93.1	Acceptable
ERA	4th/2013	11/26/13	MRAD-19	Filter	pCi/Filter	Strontium-90	130	125	61.1-187	Acceptable
ERA	4th/2013	11/26/13	MRAD-19	Filter	pCi/Filter	Uranium-234	56	87	35.6-86.6	Acceptable
ERA	4th/2013	11/26/13	MRAD-19	Filter	pCi/Filter	Uranium-238	58	56.90	36.8-78.7	Acceptable
ERA	4th/2013	11/26/13	MRAD-19	Filter	pCi/Filter	Uranium-Total	116	117	64.8-178	Acceptable
ERA	4th/2013	11/26/13	MRAD-19	Filter	ug/Filter	Uranium-Total(mass)	172	171	109-241	Acceptable
ERA	4th/2013	11/26/13	MRAD-19	Filter	pCi/Filter	Zinc-65	514	419	300-578	Acceptable
ERA	4th/2013	11/26/13	MRAD-19	Filter	ug/Filter	Uranium-Total(mass)	169	171	109-241	Acceptable
ERA	4th/2013	11/26/13	MRAD-19	Filter	ug/Filter	Uranium-Total(mass)	150	171	109-241	Acceptable
ERA	4th/2013	11/26/13	MRAD-19	Filter	pCi/Filter	Gross Alpha	100	83	27.8-129	Acceptable
ERA	4th/2013	11/26/13	MRAD-19	Filter	pCi/Filter	Gross Beta	65.7	56.3	35.6-82.2	Acceptable
ERA	4th/2013	11/26/13	MRAD-19	Water	pCi/L	Americium-241	126	126	84.9-169	Acceptable
ERA	4th/2013	11/26/13	MRAD-19	Water	pCi/L	Cesium-134	2060.0	2180	1600-2510	Acceptable
ERA	4th/2013	11/26/13	MRAD-19	Water	pCi/L	Cesium-137	2730	2760	2340-3310	Acceptable
ERA	4th/2013	11/26/13	MRAD-19	Water	pCi/L	Cobalt-60	1960	1890	1640-2210	Acceptable
ERA	4th/2013	11/26/13	MRAD-19	Water	pCi/L	Iron-55	721	689	411-935	Acceptable
ERA	4th/2013	11/26/13	MRAD-19	Water	pCi/L	Manganese-54	<7.24	<100	0.00-100	Acceptable
ERA	4th/2013	11/26/13	MRAD-19	Water	pCi/L	Plutonium-238	133	138	102-172	Acceptable
ERA	4th/2013	11/26/13	MRAD-19	Water	pCi/L	Plutonium-239	98.7	109	84.6-137	Acceptable
ERA	4th/2013	11/26/13	MRAD-19	Water	pCi/L	Strontium-90	726	788	513-1040	Acceptable
ERA	4th/2013	11/26/13	MRAD-19	Water	pCi/L	Uranium-234	93	99	74.3-128	Acceptable
ERA	4th/2013	11/26/13	MRAD-19	Water	pCi/L	Uranium-238	93	98.00	74.7-120	Acceptable
ERA	4th/2013	11/26/13	MRAD-19	Water	pCi/L	Uranium-Total	186	201	148-260	Acceptable
ERA	4th/2013	11/26/13	MRAD-19	Water	ug/L	Uranium-Total(mass)	278	294	234-355	Acceptable
ERA	4th/2013	11/26/13	MRAD-19	Water	pCi/L	Zinc-65	1560	1370	1140-1730	Acceptable
ERA	4th/2013	11/26/13	MRAD-19	Water	pCi/L	Gross Alpha	105.0	97	34.3-150	Acceptable
ERA	4th/2013	11/26/13	MRAD-19	Water	pCi/L	Gross Beta	78.8	84.5	48.4-125	Acceptable
ERA	4th/2013	11/26/13	MRAD-19	Water	pCi/L	Tritium	8740	9150	6130-13000	Acceptable
ERA	4th/2013	11/26/13	MRAD-19	Water	pCi/L	Uranium-234	92.4	98.9	74.3-128	Acceptable
ERA	4th/2013	11/26/13	MRAD-19	Water	pCi/L	Uranium-238	96.1	98.0	74.7-120	Acceptable

PT Provider	Quarter / Year	Analytical Date	Sample Number	Sample Media	Unit	Analyte / Nuclide	GEL Value	Known value	Acceptance Range/ Ratio	Evaluation
ERA	4th/2013	11/26/13	MRAD-19	Water	pCi/L	Uranium-Total	193	201	148-260	Acceptable
ERA	4th/2013	11/26/13	MRAD-19	Water	ug/L	Uranium-Total(mass)	288	294	234-355	Acceptable
ERA	4th/2013	11/26/13	MRAD-19	Water	pCi/L	Uranium-234	95.2	98.9	74.3-128	Acceptable
ERA	4th/2013	11/26/13	MRAD-19	Water	pCi/L	Uranium-238	115	98.00	74.7-120	Acceptable
ERA	4th/2013	11/26/13	MRAD-19	Water	pCi/L	Uranium-Total	215	201	148-260	Acceptable
ERA	4th/2013	11/26/13	MRAD-19	Water	ug/L	Uranium-Total(mass)	344	294	234-355	Acceptable
ERA	4th/2013	11/26/13	MRAD-19	Water	ug/L	Uranium-Total(mass)	258	294	234-355	Acceptable

TABLE 6.1-2

2013 ECKERT & ZIEGLER ANALYTICS PERFORMANCE EVALUATION RESULTS

Report Date	Sample Number	Sample Media	Unit	Analyte / Nuclide	GEL Value	Known value	Acceptance Range/ Ratio	Evaluation
02/01/13	E10323	Cartridge	pCi	Iodine-131	7.31E+01	7.29E+01	1.00	Acceptable
02/01/13	E10324	Milk	pCi/L	Strontium-89	9.89E+00	1.38E+01	0.72	Acceptable
02/01/13	E10324	Milk	pCi/L	Strontium-90	9.83E+00	1.48E+01	1.02	Acceptable
02/01/13	E10325	Milk	pCi/L	Iodine-131	9.57E+01	9.00E+01	1.06	Acceptable
02/01/13	E10325	Milk	pCi/L	Chromium-51	3.67E+02	3.48E+02	1.06	Acceptable
02/01/13	E10325	Milk	pCi/L	Cesium-134	1.54E+02	1.65E+02	0.93	Acceptable
02/01/13	E10325	Milk	pCi/L	Cesium-137	1.18E+02	1.17E+02	1.01	Acceptable
02/01/13	E10325	Milk	pCi/L	Cobalt-58	9.85E+01	9.85E+01	1	Acceptable
02/01/13	E10325	Milk	pCi/L	Manganese-54	1.16E+02	1.16E+02	1	Acceptable
02/01/13	E10325	Milk	pCi/L	Iron-59	1.33E+02	1.16E+02	1.15	Acceptable
02/01/13	E10325	Milk	pCi/L	Zinc-65	3.19E+02	2.91E+02	1.09	Acceptable
02/01/13	E10325	Milk	pCi/L	Cobalt-60	1.73E+02	1.70E+02	1.02	Acceptable
02/01/13	E10325	Milk	pCi/L	Cesium-141	5.38E+01	5.10E+01	1.05	Acceptable
02/01/13	E10380	Water	pCi/L	Iodine-131	7.47E+01	7.25E+01	1.03	Acceptable
02/01/13	E10380	Water	pCi/L	Chromium-51	3.81E+02	3.62E+02	1.05	Acceptable
02/01/13	E10380	Water	pCi/L	Cesium-134	1.57E+02	1.73E+02	0.91	Acceptable
02/01/13	E10380	Water	pCi/L	Cesium-137	1.25E+02	1.22E+02	1.03	Acceptable
02/01/13	E10380	Water	pCi/L	Cobalt-58	1.02E+02	1.03E+02	0.99	Acceptable
02/01/13	E10380	Water	pCi/L	Manganese-54	1.28E+02	1.21E+02	1.06	Acceptable
02/01/13	E10380	Water	pCi/L	Iron-59	1.38E+02	1.21E+02	1.14	Acceptable
02/01/13	E10380	Water	pCi/L	Zinc-65	2.13E+02	1.94E+02	1.1	Acceptable
02/01/13	E10380	Water	pCi/L	Cobalt-60	1.80E+02	1.77E+02	1.01	Acceptable
04/25/13	E10469	Cartridge	pCi	Iodine-131	9.38E+01	9.27E+01	1.01	Acceptable
04/25/13	E10470	Milk	pCi/L	Strontium-89	1.07E+02	9.97E+01	1.07	Acceptable
04/25/13	E10470	Milk	pCi/L	Strontium-90	1.18E+01	1.10E+01	1.07	Acceptable
04/25/13	E10471	Milk	pCi/L	Iodine-131	1.12E+02	1.00E+02	1.12	Acceptable
04/25/13	E10471	Milk	pCi/L	Cerium-141	2.00E+01	1.87E+01	1.07	Acceptable
04/25/13	E10471	Milk	pCi/L	Cr-51	5.09E+01	4.72E+01	1.08	Acceptable
04/25/13	E10471	Milk	pCi/L	Cesium-134	2.06E+02	2.14E+02	0.96	Acceptable
04/25/13	E10471	Milk	pCi/L	Cesium-137	2.83E+02	2.66E+02	1.07	Acceptable
04/25/13	E10471	Milk	pCi/L	Cobalt-58	2.19E+02	2.08E+02	1.05	Acceptable

Report Date	Sample Number	Sample Media	Unit	Analyte / Nuclide	GEL Value	Known value	Acceptance Range/ Ratio	Evaluation
04/25/13	E10471	Milk	pCi/L	Mn-54	2.21E+02	2.08E+02	1.06	Acceptable
04/25/13	E10471	Milk	pCi/L	Iron-59	2.78E+02	2.52E+02	1.1	Acceptable
04/25/13	E10471	Milk	pCi/L	Zinc-65	3.39E+02	3.01E+02	1.13	Acceptable
04/25/13	E10471	Milk	pCi/L	Cobalt-60	4.02E+02	4.00E+02	1.01	Acceptable
04/25/13	E10472	Water	pCi/L	Iodine-131	1.12E+02	9.28E+01	1.21	Acceptable
04/25/13	E10472	Water	pCi/L	Cerium-141	1.88E+02	1.79E+02	1.05	Acceptable
04/25/13	E10472	Water	pCi/L	Cr-51	4.84E+02	4.52E+02	1.07	Acceptable
04/25/13	E10472	Water	pCi/L	Cesium-134	1.96E+02	2.05E+02	0.96	Acceptable
04/25/13	E10472	Water	pCi/L	Cesium-137	2.71E+02	2.54E+02	1.07	Acceptable
04/25/13	E10472	Water	pCi/L	Cobalt-58	2.03E+02	1.99E+02	1.02	Acceptable
04/25/13	E10472	Water	pCi/L	Mn-54	2.15E+02	1.99E+02	1.08	Acceptable
04/25/13	E10472	Water	pCi/L	Iron-59	2.67E+02	2.41E+02	1.11	Acceptable
04/25/13	E10472	Water	pCi/L	Zinc-65	3.14E+02	2.88E+02	1.09	Acceptable
04/25/13	E10472	Water	pCi/L	Cobalt-60	3.92E+02	3.83E+02	1.02	Acceptable
08/02/13	E10577	Cartridge	pCi	Iodine-131	9.16E+01	9.55E+01	1.02	Acceptable
08/02/13	E10578	Milk	pCi/L	Strontium-89	9.27E+01	9.04E+01	0.98	Acceptable
08/02/13	E10578	Milk	pCi/L	Strontium-90	1.20E+01	1.70E+01	0.7	Acceptable
08/02/13	E10579	Milk	pCi/L	Iodine-131	9.86E+01	9.55E+01	1.03	Acceptable
08/02/13	E10579	Milk	pCi/L	Cerium-141	9.44E+01	9.04E+01	1.04	Acceptable
08/02/13	E10579	Milk	pCi/L	Chromium-51	2.58E+02	2.50E+02	1.03	Acceptable
08/02/13	E10579	Milk	pCi/L	Cesium-134	1.21E+02	1.25E+02	0.97	Acceptable
08/02/13	E10579	Milk	pCi/L	Cesium-137	1.49E+02	1.51E+02	0.99	Acceptable
08/02/13	E10579	Milk	pCi/L	Cobalt-58	9.44E+01	9.40E+01	1.00	Acceptable
08/02/13	E10579	Milk	pCi/L	Manganese-54	1.80E+02	1.72E+02	1.05	Acceptable
08/02/13	E10579	Milk	pCi/L	Iron-59	1.36E+02	1.20E+02	1.14	Acceptable
08/02/13	E10579	Milk	pCi/L	Zinc-65	2.39E+02	2.17E+02	1.10	Acceptable
08/02/13	E10579	Milk	pCi/L	Cobalt-60	1.77E+01	1.75E+02	1.01	Acceptable
08/02/13	E10178	Water	pCi/L	Iodine-131	9.33E+01	9.54E+01	0.98	Acceptable
08/02/13	E10178	Water	pCi/L	Cerium-141	1.15E+02	1.10E+02	1.04	Acceptable
08/02/13	E10178	Water	pCi/L	Chromium-51	3.40E+02	3.06E+02	1.11	Acceptable
08/02/13	E10178	Water	pCi/L	Cesium-134	1.48E+02	1.53E+02	0.97	Acceptable
08/02/13	E10178	Water	pCi/L	Cesium-137	1.83E+02	1.84E+02	0.99	Acceptable
08/02/13	E10178	Water	pCi/L	Cobalt-58	1.13E+02	1.15E+02	0.99	Acceptable
08/02/13	E10178	Water	pCi/L	Manganese-54	2.09E+02	2.10E+02	1.00	Acceptable
08/02/13	E10178	Water	pCi/L	Iron-59	1.51E+02	1.46E+02	1.03	Acceptable
08/02/13	E10178	Water	pCi/L	Zinc-65	2.86E+02	2.65E+02	1.08	Acceptable

Report Date	Sample Number	Sample Media	Unit	Analyte / Nuclide	GEL Value	Known value	Acceptance Range/ Ratio	Evaluation
08/02/13	E10178	Water	pCi/L	Cobalt-60	2.25E+02	2.14E+02	1.05	Acceptable
10/25/13	E10625	Cartridge	pCi	Iodine-131	8.57E+01	7.96E+01	1.08	Acceptable
10/25/13	E10626	Milk	pCi/L	Strontium-89	9.33E+01	9.60E+01	0.97	Acceptable
10/25/13	E10626	Milk	pCi/L	Strontium-90	1.09E+01	1.32E+01	0.83	Acceptable
10/25/13	E10627	Milk	pCi/L	Iodine-131	1.00E+02	9.83E+01	1.02	Acceptable
10/25/13	E10627	Milk	pCi/L	Chromium-51	3.09E+02	2.77E+02	1.11	Acceptable
10/25/13	E10627	Milk	pCi/L	Cesium-134	1.46E+02	1.72E+02	0.85	Acceptable
10/25/13	E10627	Milk	pCi/L	Cesium-137	1.33E+02	1.31E+02	1.02	Acceptable
10/25/13	E10627	Milk	pCi/L	Cobalt-58	1.04E+02	1.08E+02	0.97	Acceptable
10/25/13	E10627	Milk	pCi/L	Manganese-54	1.44E+02	1.39E+02	1.04	Acceptable
10/25/13	E10627	Milk	pCi/L	Iron-59	1.43E+02	1.30E+02	1.1	Acceptable
10/25/13	E10627	Milk	pCi/L	Zinc-65	2.86E+02	2.66E+02	1.07	Acceptable
10/25/13	E10627	Milk	pCi/L	Cobalt-60	2.01E+02	1.96E+02	1.03	Acceptable
10/25/13	E10628	Water	pCi/L	Iodine-131	1.01E+02	9.79E+01	1.03	Acceptable
10/25/13	E10628	Water	pCi/L	Chromium-51	2.80E+02	2.51E+02	1.12	Acceptable
10/25/13	E10628	Water	pCi/L	Cesium-134	1.42E+02	1.56E+02	0.91	Acceptable
10/25/13	E10628	Water	pCi/L	Cesium-137	1.19E+02	1.18E+02	1.01	Acceptable
10/25/13	E10628	Water	pCi/L	Cobalt-58	9.80E+01	9.73E+01	1.01	Acceptable
10/25/13	E10628	Water	pCi/L	Manganese-54	1.29E+02	1.25E+02	1.05	Acceptable
10/25/13	E10628	Water	pCi/L	Iron-59	1.23E+02	1.18E+02	1.04	Acceptable
10/25/13	E10628	Water	pCi/L	Zinc-65	2.62E+02	2.41E+02	1.09	Acceptable
10/25/13	E10628	Water	pCi/L	Cobalt-60	1.87E+02	1.77E+02	1.06	Acceptable

TABLE 6.1-3

REMP INTRA-LABORATORY DATA SUMMARY: BIAS AND PRECISION BY MATRIX

REMP 2013	Bias Criteria (+ / - 25%)		Precision Criteria (Note 1)	
	WITHIN CRITERIA	OUTSIDE CRITERIA	WITHIN CRITERIA	OUTSIDE CRITERIA
MILK				
Gamma Iodine-131	41	0	131	0
Gas Flow Sr 2nd count	46	0	49	0
Gas Flow Total Strontium	35	0	35	0
Gamma Spec Liquid RAD A-013 with Ba, La	61	0	120	0
SOLID				
LSC Iron-55	5	0	5	0
Gamma Spec Solid RAD A-013	28	0	31	0
LSC Nickel 63	5	0	5	0
Gas Flow Sr 2nd count	4	0	4	0
Gas Flow Total Strontium	8	0	8	0
Gamma Spec Solid RAD A-013 with Ba, La	7	0	10	0
Gamma Spec Solid RAD A-013 with Iodine	6	0	7	0
FILTER				
Gamma Spec Filter RAD A-013	4	0	4	0
Gas Flow Sr 2nd Count	5	0	5	0
Alpha Spec Am241Curium	3	0	3	0
Gas Flow Total Strontium	3	0	3	0
Gross A & B	526	0	527	0
Gamma Spec Filter	45	0	51	0
LIQUID				
Alpha Spec Uranium	8	0	9	0
Tritium	336	0	337	0
Plutonium	1	0	1	0
LSC Iron-55	40	0	42	0
LSC Nickel 63	41	0	43	0
Gamma Spec Liquid RAD A-013	7	0	7	0
Gamma Iodine-131	33	0	33	0
Alpha Spec Plutonium	10	0	10	0
Gas Flow Sr 2nd count	20	0	20	0
Alpha Spec Am241 Curium	17	0	17	0
Gas Flow Total Strontium	161	0	163	0
Gross Alpha Non Vol Beta	102	0	104	0
Gamma Spec Liquid RAD A-013 with Ba, La	129	0	209	0
Gamma Spec Liquid RAD A-013 with Iodine	56	0	85	0
TISSUE				
Gamma Spec Solid RAD A-013	45	0	48	0
LSC Nickel 63	2	0	2	0

REMP 2013	Bias Criteria (+ / - 25%)		Precision Criteria (Note 1)	
	WITHIN CRITERIA	OUTSIDE CRITERIA	WITHIN CRITERIA	OUTSIDE CRITERIA
Gas Flow Sr 2nd count	10	0	10	0
Gas Flow Total Strontium	17	0	17	0
Gamma Spec Solid RAD A-013 with Ba, La	6	0	5	0
Gamma Spec Solid RAD A-013 with Iodine	17	0	17	0
SEA WATER				
LSC Iron-55	2	0	2	0
LSC Nickel 63	2	0	2	0
Gas Flow Total Strontium	1	0	1	0
Gross Alpha Non Vol Beta	1	0	1	0
Gamma Spec Liquid RAD A-013 with Iodine	1	0	1	0
VEGETATION				
Gas Flow Sr 2nd count	9	0	9	0
Gamma Spec Solid RAD A-013 with Iodine	91	0	93	0
AIR CHARCOAL				
Gamma Iodine 131 RAD A-013	623	0	645	0
Carbon-14 (Ascarite/Soda Lime Filter per Liter)	46	0	47	0
DRINKING WATER				
Tritium	51	0	52	0
LSC Iron-55	24	0	22	0
LSC Nickel 63	23	0	21	0
Gamma Iodine-131	38	0	38	0
Gas Flow Sr 2nd count	16	0	16	0
Gas Flow Total Strontium	31	0	31	0
Gross Alpha Non Vol Beta	103	0	103	0
Gamma Spec Liquid RAD A-013 with Ba, La	44	0	98	0
Total	**2996**		**3359**	

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 6.1-4

ALL RADIOLOGICAL INTRA-LABORATORY DATA SUMMARY:
BIAS AND PRECISION BY MATRIX

ENVIRONMENTAL 2013	Bias Criteria (+ / - 25%		Precision Criteria (Note 1)	
	WITHIN CRITERIA	OUTSIDE CRITERIA	WITHIN CRITERIA	OUTSIDE CRITERIA
MILK				
Gamma Spec Liquid RAD A-013	8	0	8	0
Gamma Iodine-129	1	0	1	0
Gamma Iodine-131	41	0	131	0
Gas Flow Sr 2nd count	50	0	51	0
Gas Flow Strontium 90	10	0	10	0
Gas Flow Total Strontium	35	0	35	0
Gamma Spec Liquid RAD A-013 with Ba, La	61	0	120	0
Gamma Spec Liquid RAD A-013 with Iodine	5	0	3	0
SOLID				
Gas Flow Radium 228	29	0	29	0
Tritium	266	0	312	0
Carbon-14	136	0	227	0
LSC Iron-55	146	0	165	0
Alpha Spec Polonium Solid	19	0	22	0
Gamma Nickel 59 RAD A-022	138	0	157	0
LSC Chlorine-36 in Solids	8	0	13	0
Gamma Spec Ra226 RAD A-013	35	0	42	0
Gamma Spec Solid RAD A-013	701	0	893	0
LSC Nickel 63	176	0	201	0
LSC Plutonium	223	0	245	0
Technetium-99	309	0	339	0
Gamma Spec Liquid RAD A-013	4	0	4	0
ICP-MS Technetium-99 in Soil	75	0	74	0
LSC Selenium 79	5	0	5	0
Total Activity,	2	0	3	0
Tritium	5	0	5	0
Alpha Spec Am243	33	0	42	0
Gamma Iodine-129	172	0	199	0
Gas Flow Lead 210	18	0	19	0
Total Uranium KPA	10	0	18	0
Alpha Spec Uranium	278	0	380	0
LSC Promethium 147	4	0	4	0
LSC, Rapid Strontium 89 and 90	106	0	120	0
Alpha Spec Thorium	207	0	288	0
Gas Flow Radium 228	2	0	2	0
ICP-MS Uranium-233, 234 in Solid	6	0	5	0
Alpha Spec Plutonium	242	0	263	0
ICP-MS Technetium-99 Prep in Soil	78	0	74	0

ENVIRONMENTAL 2013	Bias Criteria (+ / - 25%		Precision Criteria (Note 1)	
	WITHIN CRITERIA	OUTSIDE CRITERIA	WITHIN CRITERIA	OUTSIDE CRITERIA
LSC Calcium 45	2	0	2	0
Alpha Spec Neptunium	234	0	256	0
Alpha Spec Plutonium	157	0	195	0
Alpha Spec Radium 226	7	0	8	0
Gamma Spec Solid with Ra226, Ra228	5	0	6	0
Gas Flow Sr 2nd count	15	0	18	0
Gas Flow Strontium 90	187	0	207	0
Gas Flow Total Radium	1	0	1	0
Lucas Cell Radium 226	71	0	93	0
Total Activity Screen	10	0	13	0
Alpha Spec Am241 Curium	292	0	336	0
Alpha Spec Total Uranium	5	0	6	0
Gas Flow Total Strontium	40	0	44	0
Gross Alpha Non Vol Beta	3	0	3	0
ICP-MS Uranium-233, 234 Prep in Solid	5	0	5	0
ICP-MS Uranium-235, 236, 238 in Solid	7	0	8	0
Alpha Spec Polonium Solid	6	0	4	0
Gamma Spec Solid RAD A-013 with Ba, La	7	0	10	0
Gamma Spec Solid RAD A-013 with Iodine	6	0	7	0
Gamma Spec Solid RAD A-013 (pCi/Sample)	0	0	2	0
Tritium	3	0	3	0
ICP-MS Uranium-234, 235, 236, 238 in Solid	245	0	234	0
ICP-MS Uranium-235, 236, 238 Prep in Solid	5	0	5	0
Gross Alpha/Beta	297	0	405	0
Gross Alpha/Beta (Americium Calibration) Solid	0	0	1	0
ICP-MS Uranium-234, 235, 236, 238 Prep in Solid	122	0	115	0
Lucas Cell Radium 226 by DOE HASL 300 Ra-04 Solid	2	0	2	0
FILTER				
Alpha Spec Uranium	18	0	24	0
Alpha Spec Polonium	0	0	54	0
Gamma I-131, filter	4	0	4	0
LSC Plutonium Filter	143	0	169	3
Tritium	134	0	201	0
Carbon-14	82	0	140	0
Nickel-63	0	0	4	0
LSC Iron-55	147	0	161	0
Gamma Nickel 59 RAD A-022	140	0	159	0

ENVIRONMENTAL 2013	Bias Criteria (+ / - 25%		Precision Criteria (Note 1)	
	WITHIN CRITERIA	OUTSIDE CRITERIA	WITHIN CRITERIA	OUTSIDE CRITERIA
Gamma Iodine 131 RAD A-013	2	0	2	0
LSC Nickel 63	138	0	162	0
Technetium-99	103	0	137	0
Gamma Spec Filter RAD A-013	195	0	245	0
Alphaspec Np Filter per Liter	30	0	42	0
Alphaspec Pu Filter per Liter	14	0	29	0
Gamma Iodine-125	13	0	0	0
Gamma Iodine-129	114	0	127	0
Gross Alpha/Beta	0	0	1	0
Alpha Spec Am243	13	0	42	0
Gas Flow Lead 210	0	0	4	0
LSC Plutonium Filter per Liter	36	0	43	0
Total Uranium KPA	11	0	18	0
Alpha Spec Uranium	83	0	114	0
LSC, Rapid Strontium 89 and 90	144	0	168	0
Alpha Spec Thorium	45	0	57	0
Gas Flow Radium 228	0	0	2	0
Alpha Spec Plutonium	107	0	123	0
Alpha Spec Neptunium	112	0	129	0
Alpha Spec Plutonium	142	0	183	0
Alpha Spec Polonium,(Filter/Liter)	0	0	10	0
Alpha Spec Radium 226	0	0	1	0
Gas Flow Sr 2nd Count	93	0	101	0
Gas Flow Strontium 90	59	0	78	0
Gas Flow Total Radium	0	0	4	0
Lucas Cell Radium-226	0	0	2	0
Alpha Spec Am241Curium	157	0	198	0
Gas Flow Total Strontium	5	0	5	0
Total Activity in Filter,	0	0	7	0
Alphaspec Am241 Curium Filter per Liter	33	0	42	0
Tritium	106	0	108	0
Gamma Spec Filter RAD A-013 Direct Count	7	0	8	0
Carbon-14	44	0	44	0
Direct Count-Gross Alpha/Beta	72	0	0	0
Gross Alpha/Beta	74	0	81	0
ICP-MS Uranium-234, 235, 236, 238 in Filter	8	0	4	0
Alpha Spec U	31	0	60	0
Gross A & B	639	0	584	0
LSC Iron-55	39	0	51	0
Technetium-99	37	0	55	0
Gas Flow Sr-90	29	0	35	0
LSC Nickel 63	37	0	44	0

ENVIRONMENTAL 2013	Bias Criteria (+ / - 25%		Precision Criteria (Note 1)	
	WITHIN CRITERIA	OUTSIDE CRITERIA	WITHIN CRITERIA	OUTSIDE CRITERIA
Carbon-14 (Ascarite/Soda Lime Filter per Liter)	2	0	2	0
Gas Flow Pb-210	25	0	46	0
Gas Flow Ra-228	24	0	35	0
Gamma Iodine 129	47	0	47	0
ICP-MS Uranium-234, 235, 236, 238 Prep in Filter	6	0	3	0
Gamma Spec Filter	142	0	163	0
Lucas Cell Ra-226	32	0	47	0
Alpha Spec Thorium	27	0	46	0
LIQUID				
Alpha Spec Uranium	418	0	607	0
Alpha Spec Polonium	2	0	3	0
Electrolytic Tritium	19	0	29	0
Tritium	1415	0	1503	0
Tritium by Combustion	1	0	1	0
Carbon-14	181	0	204	0
Plutonium	81	0	89	0
Chlorine-36 in Liquids	2	0	3	0
Iodine-131	6	0	3	0
LSC Iron-55	290	0	347	0
Gamma Nickel 59 RAD A-022	29	0	33	0
Gamma Iodine 131 RAD A-013	3	0	3	0
Gamma Radium 228 RAD A-013	1	0	1	0
LSC Nickel 63	328	0	370	0
LSC Radon 222	5	0	12	0
Technetium-99	303	0	365	0
Gamma Spec Liquid RAD A-013	874	0	875	0
Alpha Spec Total U RAD A-011	0	0	2	0
LSC Selenium 79	1	0	1	0
Total Activity,	6	0	6	0
Alpha Spec Am243	12	0	20	0
Gamma Iodine-129	84	0	117	0
Gamma Iodine-131	33	0	33	0
ICP-MS Technetium-99 in Water	5	0	28	0
Gas Flow Lead 210	83	0	94	0
Total Uranium KPA	96	0	226	2
LSC Promethium 147	3	0	3	0
LSC, Rapid Strontium 89 and 90	15	0	15	0
Alpha Spec Thorium	205	0	278	0
Gas Flow Radium 228	244	0	318	0
Gas Flow Radium 228	36	0	35	0
Gas Flow Radium 228	1	0	1	0
Alpha Spec Plutonium	317	0	436	0
Alpha Spec Neptunium	110	0	127	0
Alpha Spec Plutonium	61	0	86	0

ENVIRONMENTAL 2013	Bias Criteria (+ / - 25%		Precision Criteria (Note 1)	
	WITHIN CRITERIA	OUTSIDE CRITERIA	WITHIN CRITERIA	OUTSIDE CRITERIA
Alpha Spec Radium 226	0	0	1	0
Gas Flow Sr 2nd count	283	0	316	0
Gas Flow Strontium 90	499	0	568	0
Gas Flow Strontium 90	2	0	2	0
Gas Flow Total Radium	92	0	129	0
ICP-MS Technetium-99 Prep in Water	5	0	28	0
ICP-MS Uranium-233, 234 in Liquid	1	0	1	0
Lucas Cell Radium 226	372	0	487	0
Lucas Cell Radium-226	17	0	21	0
Total Activity Screen	3	0	3	0
Chlorine-36 in Liquids	4	0	10	0
Alpha Spec Am241 Curium	307	0	405	0
Gas Flow Total Strontium	231	0	241	0
Gross Alpha Non Vol Beta	1313	0	1554	0
LSC Phosphorus-32	2	0	2	0
Lucas Cell Radium 226 by Method Ra-04	3	0	3	0
ICP-MS Uranium-233, 234 Prep in Liquid	1	0	1	0
Tritium in Drinking Water by EPA 906.0	11	0	14	0
Gamma Spec Liquid RAD A-013 with Ba, La	131	0	211	0
Gamma Spec Liquid RAD A-013 with Iodine	159	0	205	0
Gas Flow Strontium 89 & 90	6	0	0	0
ICP-MS Uranium-235, 236, 238 in Liquid	2	0	2	0
Gas Flow Total Alpha Radium	13	0	11	0
Gross Alpha Co-precipitation	7	0	9	0
ICP-MS Uranium-235, 236, 238 Prep in Liquid	1	0	1	0
ICP-MS Uranium-234, 235, 236, 238 in Liquid	22	0	98	0
Gross Alpha Beta (Americium Calibration) Liquid	16	0	21	0
ICP-MS Uranium-234, 235, 236, 238 Prep in Liquid	14	0	51	0
Alpha/Beta (Americium Calibration) Drinking Water	5	0	4	0
TISSUE				
Carbon-14	2	0	2	0
LSC Iron-55	3	0	3	0
Gamma Nickel 59 RAD A-022	2	0	2	0
Gamma Spec Solid RAD A-013	71	0	79	0
LSC Nickel 63	4	0	4	0

ENVIRONMENTAL 2013	Bias Criteria (+ / - 25%		Precision Criteria (Note 1)	
	WITHIN CRITERIA	OUTSIDE CRITERIA	WITHIN CRITERIA	OUTSIDE CRITERIA
LSC Plutonium	1	0	1	0
Technetium-99	2	0	2	0
Tritium	1	0	1	0
Gamma Iodine-129	2	0	2	0
Gas Flow Lead 210	2	0	2	0
Alpha Spec Uranium	5	0	5	0
Alpha Spec Thorium	2	0	2	0
Alpha Spec Plutonium	10	0	10	0
Alpha Spec Neptunium	4	0	4	0
Alpha Spec Plutonium	2	0	2	0
Gas Flow Sr 2nd count	10	0	10	0
Gas Flow Strontium 90	20	0	23	0
Alpha Spec Am241 Curium	9	0	9	0
Gas Flow Total Strontium	19	0	19	0
Gamma Spec Solid RAD A-013 with Ba, La	6	0	5	0
Gamma Spec Solid RAD A-013 with Iodine	17	0	17	0
Gross Alpha/Beta	2	0	2	0
SEA WATER				
LSC Iron-55	2	0	2	0
LSC Nickel 63	2	0	2	0
Gas Flow Total Strontium	1	0	1	0
Gross Alpha Non Vol Beta	1	0	1	0
Gamma Spec Liquid RAD A-013 with Iodine	1	0	1	0
VEGETATION				
Gamma Nickel 59 RAD A-022	3	0	3	0
Gamma Spec Solid RAD A-013	31	0	31	0
LSC Nickel 63	3	0	3	0
LSC Plutonium	1	0	1	0
Technetium-99	6	0	6	0
Tritium	9	0	9	0
Gamma Iodine-129	1	0	1	0
Gas Flow Lead 210	8	0	7	0
Total Uranium KPA	4	0	4	0
Alpha Spec Uranium	23	0	21	0
Alpha Spec Thorium	7	0	7	0
Alpha Spec Plutonium	15	0	12	0
Alpha Spec Neptunium	1	0	1	0
Alpha Spec Plutonium	1	0	1	0
Gas Flow Sr 2nd count	9	0	9	0
Gas Flow Strontium 90	19	0	18	0
Gas Flow Total Radium	2	0	3	0
Alpha Spec Am241 Curium	11	0	8	0

ENVIRONMENTAL 2013	Bias Criteria (+ / - 25%		Precision Criteria (Note 1)	
	WITHIN CRITERIA	OUTSIDE CRITERIA	WITHIN CRITERIA	OUTSIDE CRITERIA
Gamma Spec Solid RAD A-013 with Iodine	91	0	93	0
Gamma Spec Solid RAD A-013 (pCi/Sample)	5	0	3	0
Alpha Spec Am241 (pCi/Sample)	3	0	2	0
ICP-MS Uranium-234, 235, 236, 238 in Solid	9	0	7	0
Alpha Spec Uranium	1	0	17	0
Gross Alpha/Beta	4	0	4	0
Alpha Spec Plutonium	2	0	2	0
Gas Flow Strontium 90	4	0	2	0
ICP-MS Uranium-234, 235, 236, 238 Prep in Solid	7	0	5	0
AIR CHARCOAL				
Gamma Iodine 131 RAD A-013	623	0	645	0
Gamma Iodine-129	0	0	1	0
Carbon-14 (Ascarite/Soda Lime Filter per Liter)	89	0	88	0
DRINKING WATER				
Alpha Spec Uranium	7	0	8	0
Tritium	51	0	52	0
Iodine-131	1	0	2	0
LSC Iron-55	24	0	22	0
LSC Nickel 63	23	0	21	0
LSC Radon 222	96	0	96	0
Gamma Spec Liquid RAD A-013	24	0	24	0
Total Activity,	2	0	2	0
Gamma Iodine-129	2	0	2	0
Gamma Iodine-131	38	0	38	0
Total Uranium KPA	15	0	28	0
Gas Flow Radium 228	42	0	42	0
Alpha Spec Plutonium	6	0	6	0
Gas Flow Sr 2nd count	16	0	16	0
Gas Flow Strontium 90	25	0	24	0
Lucas Cell Radium-226	58	6	78	0
Alpha Spec Am241 Curium	6	0	6	0
Gas Flow Total Strontium	31	0	31	0
Gross Alpha Non Vol Beta	343	0	287	0
Tritium in Drinking Water by EPA 906.0	37	0	34	0
Gamma Spec Liquid RAD A-013 with Ba, La	44	0	98	0
Gas Flow Strontium 89 & 90	20	0	13	0
Gas Flow Total Alpha Radium	1	0	1	0
Gross Alpha Co-precipitation	105	0	87	0
Alpha/Beta (Americium Calibration) Drinking Water	13	0	13	0

ENVIRONMENTAL 2013	Bias Criteria (+ / - 25%		Precision Criteria (Note 1)	
	WITHIN CRITERIA	OUTSIDE CRITERIA	WITHIN CRITERIA	OUTSIDE CRITERIA
ECLS-R-GA NJ 48 Hr Rapid Gross Alpha	8	0	8	0
Total	**20148**		**23892**	

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 6.1-5

2013 CORRECTIVE ACTION REPORT SUMMARY

CORRECTIVE ACTION ID# & PE FAILURE	DISPOSITION
CARR130513-789 ISO Documentation of PT Failures in MAPEP-13-RdV28 for Uranium in Vegetation by ICP/MS and Alpha Spec	**Root Cause Analysis of MAPEP-13-RdV28 Uranium-234/233, Uranium-235, Uranium-238 and Total Uranium** Following reviews of our process and data and conversations with personnel from the affected laboratories, it was determined that all failures were due to an analyst error during sample preparation. Glass instead of Teflon beakers were used during the sample digestion which contained Hydrofluoric (HF) acid. Per Standard Operating Procedure (SOP) GL-RAD-A-015 section 11.2.4, the sample should have been transferred to a Teflon beaker. In this instance, this step was omitted. The digestion was performed in glass beakers so trace amounts of Uranium were leached from the glass into the sample, resulting in high bias in the results. Normal procedure dictates that glass is not used when using HF in the digestion process due to the presence of natural Uranium in the glassware. In order to prove that this was an isolated incident and that our overall process is in control a series of digestions were performed in the glass beakers to confirm our conclusion. • HCL /HNO_3 only digestion - Uranium was not detected. • HCL, HNO_3, and HF digestion - Enough Uranium activity was detected to account for the high bias (as many as 70 counts in a 16 hour and 40 minute count). • HF only digestion - Results similar to HCL, HNO_3, and HF were observed **A second PT was successfully analyzed for this matrix.**
CARR130522-791 ISO Documentation of PT Failures in – MRAD-18 for Cesium-134, Cesium-137 and Zinc-65 in Soil	Following a review of our processes, the data and conversations with personnel from the affected laboratories, it was determined that our normal procedure for preparing soil samples is not sufficient for this soil matrix. Per the Standard Operating Procedure (SOP) GL-RAD-A-021, the sample was dried, homogenized, and passed through a 28 mesh sieve. However, approximately 20-30% of the sample consists of particles greater than the 28 mesh sieve size. These larger particles were not affected by our normal homogenization process. In accordance with the SOP, the larger particles were removed prior to preparing the container for gamma counting. Upon receipt of the graded report, the following steps were taken to prove that this was an isolated incident and that our overall process is in control.

	1. A recount of the initially prepared sample performed and confirmed the originally reported results. 2. A new container was then prepared from the original sample but omitting the preparation step and counted. This produced acceptable results. 3. A second sample was prepared per the SOP; however, only a portion of the sample was removed during the sieving steps. This sample produced similar high biased results. An aliquot of the sample was then pulverized prior to gamma counting. This approach also produced acceptable results. **Permanent Corrective/Preventive Actions or Improvements** : In the future, these samples will be pulverized to ensure that all the material passes through the 28 mesh sieve; thus, eliminating the need to remove any of the original sample. A comment has been added to the set-up for the solid matrix. **A second PT was successfully analyzed for this matrix.**

CARR130826-810 For Failures of RAD-94 for Gross Alpha and Strontium 89 in Water	**Root Cause Analysis of Gross Alpha** After a review of the data, an apparent reason for this discrepancy could not be determined. The following steps were taken to prove that this high bias was an isolated occurrence and that our overall process is within control. 1. The batch quality control samples were reviewed and found to be compliant. The LCS recovered at 110%. While the recovery is slightly elevated, it is well within the 80%-120% acceptance range. 2. Laboratory control data were also reviewed for trends. None were noted. 3. The instrument calibrations were reviewed for positive biases that could have attributed to this failure. None were noted. 4. Two sample duplicates were also prepared and counted along with the reported result. Both results fell within the method's acceptance range for duplicate. One of the results also fell within the acceptance range of the study. **5. The original sample was also recounted and the results fell within the acceptance range.** **Root Cause Analysis of Strontium-89 (Sr-89)** **LAB PBMS A-004** After a review of the data, an apparent reason for this discrepancy could not be determined. The following steps were taken to prove that this high bias was an isolated occurrence and that our overall process is within control. 1. The batch quality control samples were reviewed and found to be compliant. The LCS recovered at 98.1%. 2. Laboratory control data were also reviewed for trends. None were noted. 3. The instrument calibrations were reviewed for positive biases that could have attributed to this failure. None were noted. 4. Sample duplicates were also prepared and counted along with the reported result. Duplicate results fell within the acceptance range of the study. **Root Cause Analysis of Strontium-89 (Sr-89)** **EPA 905.0** After a review of the data, an apparent reason for this discrepancy could not be determined. The following steps were taken to prove that this high bias was an isolated occurrence and that our overall process is within control. 1. The batch quality control samples were reviewed and found to be compliant. The LCS recovered at 102%. 2. Laboratory control data were also reviewed for trends. None was noted. 3. The instrument calibrations were reviewed for positive biases that could have attributed to this failure. None were noted.

	4. Sample duplicates were also prepared and counted along with the reported result. All results fell within the method's acceptance range for duplicates. **Permanent Corrective/Preventive Actions or Improvements**: **Gross Alpha** The laboratory must assume an unidentified random error caused the high bias because all quality control criteria were met for the batch. The lab will continue to monitor the recoveries of this radionuclide to ensure that there are no issues. **Strontium-89 (Sr-89)** **LAB PBMS A-004 and EPA 905.0** To summarize our efforts (including the initial result), the laboratory had 3 analysts, two different methods, processed with 2 calibrations and two separate Y carriers used in the analysis of this sample and only one acceptable result for Sr-89. All LCS results have met acceptance criteria. This leads the laboratory to conclude that there is possibly an error in the original make-up of the PT sample. The instructions list stable Sr and Y as being included but they are not at levels greater than are normally listed so we suspect that the makeup of the sample was the cause. The laboratory will continue to monitor the recoveries from these two methods to ensure that there are no issues.

CARR131205-845 For failures of MRAD-19 for Uranium-234 and Total Uranium in Vegetation	**Root Cause Analysis** These elevated results were obtained following our routine procedure. The reported result for U-234 was less than the MDA and had an elevated uncertainty. This high U-234 result also attributed to the high Total-U result. Upon receipt of the graded report, the following steps were taken to prove that this was an isolated incident and that our overall process is in control. • A recount of the initially prepared sample performed and confirmed the originally reported results. • The sample was reanalyzed using a larger aliquot and results that fell within the acceptance range were achieved. **Permanent Corrective/Preventive Actions or Improvements** In the future when the result is below the MDA and are not compatible with other analytical technologies, the laboratory will attempt to use a larger sample aliquot with hopes of achieve a result above the MDA or with a lower uncertainty. If the matrix and larger sample size do not provide useable data, the results may not be report.

6.2 Environmental TLD QA

Environmental dosimetry services for the reporting period of January – December, 2013 were provided through Stanford Dosimetry, with TLD processing by the Environmental 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 2013[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 2013[1], [2]

Process Date	Mean Bias %	Standard Deviation %	Tolerance Limit +/-15%
4/22/2013	4.1	1.9	Pass
4/24/2013	4.5	1.2	Pass
523/2013	-1.1	1.9	Pass
7/24/2013	0.8	1.0	Pass
8/4/2013	-1.1	1.6	Pass
8/6/2013	0.1	2.3	Pass
10/31/2013	1.5	1.2	Pass
11/10/2013	0.1	1.7	Pass
11/15/2013	-1.8	1.0	Pass
1/27/2014	3.7	2.3	Pass
1/31/2014	2.6	0.9	Pass
2/5/2014	0.7	0.6	Pass

[1] This table summarizes results of tests conducted by EDC for TLDs issued in 2013.
[2] Environmental dosimeter results are free in air.

TABLE 6.2-3
SUMMARY OF INDEPENDENT BLIND SPIKE DOSIMETER TESTING
JANUARY – DECEMBER 2013[1], [2]

Issuance Period	Client	Mean Bias %	Standard Deviation %	Pass / Fail
2nd Qtr. 2013	Millstone	0.7	1.5	Pass
2nd Qtr. 2013	Seabrook	-2.3	2.7	Pass
3rd Qtr. 2013	Millstone	-4.7	4.0	Pass
4th Qtr. 2013	Seabrook	-0.9	0.9	Pass

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

TABLE 6.2-4
SUMMARY OF INDEPENDENT BLIND DUPLICATE DOSIMETER TESTING
JANUARY – DECEMBER 2013[1]

Issuance Period	Client	Number Tested	Mean Bias %	Standard Deviation %	% Passed Precision Criteria
1st Qtr. 2013	Seabrook	12	-4.3	2.3	100
2nd Qtr. 2013	Seabrook	6	-0.6	2.4	100
3rd Qtr. 2013	Seabrook	11	-4.1	4.4	100
4th Qtr. 2013	Seabrook	6	-2.3	4.7	100

[1] Performance criterion is Bias % within $\pm$ 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 2013 census was completed in accordance with the requirements of the ODCM. In 2013, 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 2013 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 three sectors which had a new nearest garden location different from last year's land use census. One garden was further away (WSW) and two new gardens were closer (W, NNW).

There were no new milk producing locations identified within the required 8 km radius that were different from those reported in the 2012 land use census. One milk sampling location (TM-24) at 8.1 km, NNE of the plant, was reported to have discontinued milking goats and has dropped out of the REMP sampling program.

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 2013, 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

2013 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	3.35 [a]	
NE	2.92	4.20	
ENE	2.31	2.44 [a]	
E	2.56	---	
ESE	2.43	---	
SE	2.36	---	
SSE	1.65	---	
S	1.21	1.25	
SSW	1.12	1.22	
SW	1.13	1.72	4.52
WSW	1.87	4.55	
W	1.32	1.55	
WNW	1.11	1.52	
NW	1.22	1.27 [a]	6.93
NNW	1.04	1.18	

[a] New locations in 2013.

Attachment 1: Sample Analysis Data List for 2013

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.

Seabrook REMP Summary of 2013 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
AL	05	326863001	5/22/2013	Ac-228	4.04E+01	1.82E+01	3.23E+01	
AL	05	326863001	5/22/2013	Ag-108m	-4.82E+00	2.22E+00	5.64E+00	U
AL	05	326863001	5/22/2013	Ag-110m	-3.11E+00	3.94E+00	1.07E+01	U
AL	05	326863001	5/22/2013	Ba-140	-4.29E+01	2.36E+01	6.52E+01	U
AL	05	326863001	5/22/2013	Be-7	5.24E+01	2.88E+01	7.07E+01	U
AL	05	326863001	5/22/2013	Ce-141	6.90E+00	5.09E+00	1.42E+01	U
AL	05	326863001	5/22/2013	Ce-144	-7.80E+00	1.30E+01	4.10E+01	U
AL	05	326863001	5/22/2013	Co-57	9.26E-01	1.85E+00	5.34E+00	U
AL	05	326863001	5/22/2013	Co-58	-3.20E+00	2.69E+00	8.29E+00	U
AL	05	326863001	5/22/2013	Co-60	1.25E-01	3.04E+00	8.83E+00	U
AL	05	326863001	5/22/2013	Cr-51	-1.14E+01	2.61E+01	8.54E+01	U
AL	05	326863001	5/22/2013	Cs-134	-1.42E+00	2.72E+00	8.33E+00	U
AL	05	326863001	5/22/2013	Cs-137	1.76E+00	2.38E+00	8.03E+00	U
AL	05	326863001	5/22/2013	Fe-59	7.86E+00	8.21E+00	2.44E+01	U
AL	05	326863001	5/22/2013	I-131	1.89E+01	9.96E+00	3.53E+01	U
AL	05	326863001	5/22/2013	K-40	9.79E+03	4.73E+02	6.92E+01	
AL	05	326863001	5/22/2013	La-140	-6.15E+00	6.40E+00	1.96E+01	U
AL	05	326863001	5/22/2013	Mn-54	-1.67E+00	2.96E+00	8.15E+00	U
AL	05	326863001	5/22/2013	Nb-95	2.62E+00	2.69E+00	8.98E+00	U
AL	05	326863001	5/22/2013	Ru-103	-1.39E-01	2.90E+00	9.37E+00	U
AL	05	326863001	5/22/2013	Ru-106	-1.99E+01	2.06E+01	6.61E+01	U
AL	05	326863001	5/22/2013	Sb-124	1.10E+00	5.05E+00	1.69E+01	U
AL	05	326863001	5/22/2013	Sb-125	4.32E+00	6.08E+00	1.99E+01	U
AL	05	326863001	5/22/2013	Se-75	1.25E+00	2.86E+00	9.60E+00	U
AL	05	326863001	5/22/2013	Th-228	1.27E+01	6.96E+00	1.49E+01	U
AL	05	326863001	5/22/2013	Zn-65	3.58E+00	7.97E+00	2.26E+01	U
AL	05	326863001	5/22/2013	Zr-95	8.35E-01	4.88E+00	1.64E+01	U
AL	05	338255001	11/21/2013	Ac-228	4.55E+01	2.37E+01	6.31E+01	U
AL	05	338255001	11/21/2013	Ag-108m	9.79E+00	3.94E+00	1.23E+01	U
AL	05	338255001	11/21/2013	Ag-110m	-2.07E+00	6.25E+00	2.00E+01	U
AL	05	338255001	11/21/2013	Ba-140	-2.15E+01	3.14E+01	9.45E+01	U
AL	05	338255001	11/21/2013	Be-7	2.78E+02	7.74E+01	1.31E+02	
AL	05	338255001	11/21/2013	Ce-141	2.19E+00	8.04E+00	2.66E+01	U
AL	05	338255001	11/21/2013	Ce-144	-1.14E+01	2.61E+01	8.38E+01	U
AL	05	338255001	11/21/2013	Co-57	5.56E+00	3.59E+00	1.19E+01	U
AL	05	338255001	11/21/2013	Co-58	9.78E+00	3.73E+00	1.41E+01	U
AL	05	338255001	11/21/2013	Co-60	1.92E+00	3.19E+00	1.17E+01	U
AL	05	338255001	11/21/2013	Cr-51	-2.83E+01	4.72E+01	1.52E+02	U
AL	05	338255001	11/21/2013	Cs-134	6.67E+00	5.63E+00	1.80E+01	U
AL	05	338255001	11/21/2013	Cs-137	3.57E-02	5.03E+00	1.61E+01	U
AL	05	338255001	11/21/2013	Fe-59	1.18E+00	1.15E+01	3.78E+01	U
AL	05	338255001	11/21/2013	I-131	1.50E+01	1.34E+01	4.65E+01	U
AL	05	338255001	11/21/2013	K-40	3.55E+03	2.67E+02	1.23E+02	
AL	05	338255001	11/21/2013	La-140	-3.19E+00	8.49E+00	2.58E+01	U
AL	05	338255001	11/21/2013	Mn-54	9.31E-01	7.55E+00	1.50E+01	U
AL	05	338255001	11/21/2013	Nb-95	0.00E+00	7.13E+00	1.23E+01	U
AL	05	338255001	11/21/2013	Ru-103	4.42E+00	4.96E+00	1.60E+01	U
AL	05	338255001	11/21/2013	Ru-106	5.76E+01	4.13E+01	1.41E+02	U
AL	05	338255001	11/21/2013	Sb-124	-1.46E+01	1.07E+01	2.34E+01	U
AL	05	338255001	11/21/2013	Sb-125	2.53E+01	1.79E+01	4.08E+01	U
AL	05	338255001	11/21/2013	Se-75	-1.47E+01	6.89E+00	1.58E+01	U

Seabrook REMP Summary of 2013 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
AL	05	338255001	11/21/2013	Th-228	5.74E+01	1.24E+01	2.27E+01	
AL	05	338255001	11/21/2013	Zn-65	3.11E+00	1.25E+01	3.63E+01	U
AL	05	338255001	11/21/2013	Zr-95	8.45E+00	8.14E+00	2.90E+01	U
AL	55	326863002	5/21/2013	Ac-228	4.46E+00	1.22E+01	3.08E+01	U
AL	55	326863002	5/21/2013	Ag-108m	1.99E+00	1.87E+00	5.43E+00	U
AL	55	326863002	5/21/2013	Ag-110m	6.68E+00	3.74E+00	1.06E+01	U
AL	55	326863002	5/21/2013	Ba-140	-5.98E+00	1.92E+01	6.13E+01	U
AL	55	326863002	5/21/2013	Be-7	7.84E+01	2.56E+01	6.25E+01	
AL	55	326863002	5/21/2013	Ce-141	-2.18E-01	3.76E+00	1.22E+01	U
AL	55	326863002	5/21/2013	Ce-144	-4.43E-01	1.17E+01	3.41E+01	U
AL	55	326863002	5/21/2013	Co-57	-1.25E+00	1.41E+00	4.43E+00	U
AL	55	326863002	5/21/2013	Co-58	2.93E+00	3.24E+00	8.04E+00	U
AL	55	326863002	5/21/2013	Co-60	-4.29E-01	2.70E+00	9.01E+00	U
AL	55	326863002	5/21/2013	Cr-51	2.00E+01	2.41E+01	8.05E+01	U
AL	55	326863002	5/21/2013	Cs-134	3.36E+00	2.51E+00	8.27E+00	U
AL	55	326863002	5/21/2013	Cs-137	-2.00E+00	2.15E+00	6.89E+00	U
AL	55	326863002	5/21/2013	Fe-59	-3.64E+00	6.35E+00	2.01E+01	U
AL	55	326863002	5/21/2013	I-131	8.01E+00	1.43E+01	3.72E+01	U
AL	55	326863002	5/21/2013	K-40	6.14E+03	2.99E+02	6.39E+01	
AL	55	326863002	5/21/2013	La-140	-2.75E+00	5.70E+00	1.81E+01	U
AL	55	326863002	5/21/2013	Mn-54	-4.67E-01	2.14E+00	7.04E+00	U
AL	55	326863002	5/21/2013	Nb-95	-1.71E+00	2.82E+00	8.30E+00	U
AL	55	326863002	5/21/2013	Ru-103	2.00E+00	2.64E+00	8.63E+00	U
AL	55	326863002	5/21/2013	Ru-106	-2.84E+01	2.00E+01	5.76E+01	U
AL	55	326863002	5/21/2013	Sb-124	5.15E+00	4.79E+00	1.64E+01	U
AL	55	326863002	5/21/2013	Sb-125	4.29E-01	4.97E+00	1.64E+01	U
AL	55	326863002	5/21/2013	Se-75	3.86E-02	2.50E+00	8.46E+00	U
AL	55	326863002	5/21/2013	Th-228	4.65E+00	5.43E+00	1.23E+01	U
AL	55	326863002	5/21/2013	Zn-65	6.11E+00	6.13E+00	2.00E+01	U
AL	55	326863002	5/21/2013	Zr-95	3.05E+00	4.33E+00	1.46E+01	U
AL	55	338255002	11/21/2013	Ac-228	2.98E+01	8.70E+00	1.43E+01	
AL	55	338255002	11/21/2013	Ag-108m	-1.81E+00	1.01E+00	2.87E+00	U
AL	55	338255002	11/21/2013	Ag-110m	-1.51E+00	1.59E+00	4.96E+00	U
AL	55	338255002	11/21/2013	Ba-140	5.66E+00	7.29E+00	2.34E+01	U
AL	55	338255002	11/21/2013	Be-7	3.09E+02	2.24E+01	3.17E+01	
AL	55	338255002	11/21/2013	Ce-141	0.00E+00	2.71E+00	6.26E+00	U
AL	55	338255002	11/21/2013	Ce-144	2.96E+00	6.33E+00	2.04E+01	U
AL	55	338255002	11/21/2013	Co-57	-1.32E+00	8.76E-01	2.60E+00	U
AL	55	338255002	11/21/2013	Co-58	2.56E-01	1.12E+00	3.70E+00	U
AL	55	338255002	11/21/2013	Co-60	-2.42E-01	1.23E+00	4.04E+00	U
AL	55	338255002	11/21/2013	Cr-51	-5.20E+00	1.08E+01	3.54E+01	U
AL	55	338255002	11/21/2013	Cs-134	3.18E+00	1.40E+00	4.12E+00	U
AL	55	338255002	11/21/2013	Cs-137	-8.32E-01	1.90E+00	4.56E+00	U
AL	55	338255002	11/21/2013	Fe-59	-5.01E+00	4.46E+00	8.95E+00	U
AL	55	338255002	11/21/2013	I-131	6.18E+00	3.70E+00	9.73E+00	U
AL	55	338255002	11/21/2013	K-40	3.40E+03	1.64E+02	3.24E+01	
AL	55	338255002	11/21/2013	La-140	-3.60E+00	2.34E+00	6.64E+00	U
AL	55	338255002	11/21/2013	Mn-54	2.21E+00	1.34E+00	3.73E+00	U
AL	55	338255002	11/21/2013	Nb-95	0.00E+00	2.47E+00	4.57E+00	U
AL	55	338255002	11/21/2013	Ru-103	-6.12E-01	1.19E+00	3.77E+00	U
AL	55	338255002	11/21/2013	Ru-106	-9.54E+00	9.93E+00	3.18E+01	U

Seabrook REMP Summary of 2013 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
AL	55	338255002	11/21/2013	Sb-124	-2.87E+00	2.71E+00	8.12E+00	U
AL	55	338255002	11/21/2013	Sb-125	-6.55E+00	3.30E+00	9.11E+00	U
AL	55	338255002	11/21/2013	Se-75	-1.75E+00	1.41E+00	4.43E+00	U
AL	55	338255002	11/21/2013	Th-228	3.36E+01	3.53E+00	5.74E+00	
AL	55	338255002	11/21/2013	Zn-65	1.63E+00	3.01E+00	8.81E+00	U
AL	55	338255002	11/21/2013	Zr-95	9.39E-01	2.04E+00	6.77E+00	U

Seabrook REMP Summary of 2013 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m^3)	STD.DEV. (pCi/m^3)	MDC (pCi/m^3)	FLAGS
AP	01	318308001	1/9/2013	BETA	3.89E-02	1.59E-03	5.73E-04	
AP	01	319076001	1/23/2013	BETA	2.97E-02	1.41E-03	6.22E-04	
AP	01	320051001	2/6/2013	BETA	3.40E-02	1.50E-03	6.02E-04	
AP	01	320865001	2/20/2013	BETA	2.82E-02	1.38E-03	6.47E-04	
AP	01	321597001	3/6/2013	BETA	1.38E-02	9.68E-04	6.34E-04	
AP	01	322488001	3/20/2013	BETA	1.08E-02	8.64E-04	6.25E-04	
AP	01	324991001	3/20/2013	Ac-228	7.35E-04	4.78E-04	1.58E-03	U
AP	01	324991001	3/20/2013	Ag-108m	1.22E-04	8.46E-05	2.88E-04	U
AP	01	324991001	3/20/2013	Ag-110m	3.32E-04	1.60E-04	5.69E-04	U
AP	01	324991001	3/20/2013	Ba-140	1.52E-02	3.37E-02	1.13E-01	U
AP	01	324991001	3/20/2013	Be-7	7.41E-02	6.73E-03	7.01E-03	
AP	01	324991001	3/20/2013	Ce-141	9.63E-05	6.30E-04	2.12E-03	U
AP	01	324991001	3/20/2013	Ce-144	-9.26E-05	4.33E-04	1.44E-03	U
AP	01	324991001	3/20/2013	Co-57	3.45E-06	5.67E-05	1.92E-04	U
AP	01	324991001	3/20/2013	Co-58	-3.39E-04	2.64E-04	6.34E-04	U
AP	01	324991001	3/20/2013	Co-60	-1.43E-04	1.23E-04	3.28E-04	U
AP	01	324991001	3/20/2013	Cr-51	1.70E-03	6.15E-03	2.11E-02	U
AP	01	324991001	3/20/2013	Cs-134	4.21E-05	1.10E-04	3.75E-04	U
AP	01	324991001	3/20/2013	Cs-137	-1.43E-04	1.05E-04	2.97E-04	U
AP	01	324991001	3/20/2013	Fe-59	-3.89E-04	9.15E-04	2.94E-03	U
AP	01	324991001	3/20/2013	I-131	-7.01E-02	1.90E-01	0.00E+00	U
AP	01	324991001	3/20/2013	K-40	1.13E-03	1.52E-03	2.70E-03	U
AP	01	324991001	3/20/2013	La-140	7.38E-03	1.44E-02	5.01E-02	U
AP	01	324991001	3/20/2013	Mn-54	-6.72E-05	1.21E-04	3.13E-04	U
AP	01	324991001	3/20/2013	Nb-95	-6.68E-06	2.15E-04	7.13E-04	U
AP	01	324991001	3/20/2013	Ru-103	3.51E-04	4.05E-04	1.38E-03	U
AP	01	324991001	3/20/2013	Ru-106	1.30E-04	1.01E-03	3.01E-03	U
AP	01	324991001	3/20/2013	Sb-124	-1.32E-04	6.54E-04	2.12E-03	U
AP	01	324991001	3/20/2013	Sb-125	2.29E-04	2.61E-04	8.93E-04	U
AP	01	324991001	3/20/2013	Se-75	2.78E-04	1.89E-04	6.14E-04	U
AP	01	324991001	3/20/2013	Th-228	2.52E-04	1.89E-04	4.52E-04	U
AP	01	324991001	3/20/2013	Zn-65	1.76E-04	2.96E-04	1.03E-03	U
AP	01	324991001	3/20/2013	Zr-95	4.68E-05	4.47E-04	1.50E-03	U
AP	01	323113001	4/3/2013	BETA	1.83E-02	1.15E-03	6.76E-04	
AP	01	324220001	4/17/2013	BETA	2.44E-02	1.33E-03	6.90E-04	
AP	01	325184001	5/1/2013	BETA	2.75E-02	1.42E-03	6.57E-04	
AP	01	326051001	5/15/2013	BETA	1.88E-02	1.14E-03	6.53E-04	
AP	01	326792001	5/29/2013	BETA	1.22E-02	9.31E-04	6.96E-04	
AP	01	327670001	6/12/2013	BETA	2.11E-02	1.22E-03	6.93E-04	
AP	01	328687001	6/26/2013	BETA	2.88E-02	1.44E-03	7.17E-04	
AP	01	332515001	6/26/2013	Ac-228	-2.15E-04	4.98E-04	1.63E-03	U
AP	01	332515001	6/26/2013	Ag-108m	-1.43E-05	8.28E-05	2.51E-04	U
AP	01	332515001	6/26/2013	Ag-110m	1.66E-04	1.67E-04	5.92E-04	U
AP	01	332515001	6/26/2013	Ba-140	-2.16E-01	2.25E-01	6.69E-01	U
AP	01	332515001	6/26/2013	Be-7	1.12E-01	1.10E-02	1.27E-02	
AP	01	332515001	6/26/2013	Ce-141	4.94E-04	1.49E-03	4.61E-03	U
AP	01	332515001	6/26/2013	Ce-144	2.64E-04	5.39E-04	1.81E-03	U
AP	01	332515001	6/26/2013	Co-57	4.04E-05	7.10E-05	2.40E-04	U
AP	01	332515001	6/26/2013	Co-58	-3.07E-04	2.72E-04	7.81E-04	U
AP	01	332515001	6/26/2013	Co-60	-1.01E-04	1.24E-04	3.49E-04	U
AP	01	332515001	6/26/2013	Cr-51	-4.95E-04	1.38E-02	4.12E-02	U

Seabrook REMP Summary of 2013 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m^3)	STD.DEV. (pCi/m^3)	MDC (pCi/m^3)	FLAGS
AP	01	332515001	6/26/2013	Cs-134	-1.54E-05	1.27E-04	4.23E-04	U
AP	01	332515001	6/26/2013	Cs-137	-2.22E-05	1.33E-04	4.13E-04	U
AP	01	332515001	6/26/2013	Fe-59	1.86E-04	1.16E-03	3.76E-03	U
AP	01	332515001	6/26/2013	I-131	0.00E+00	2.45E+00	0.00E+00	UI
AP	01	332515001	6/26/2013	K-40	6.94E-04	1.80E-03	3.49E-03	U
AP	01	332515001	6/26/2013	La-140	-7.64E-02	7.11E-02	1.89E-01	U
AP	01	332515001	6/26/2013	Mn-54	-1.09E-04	1.33E-04	4.06E-04	U
AP	01	332515001	6/26/2013	Nb-95	3.90E-04	3.86E-04	1.35E-03	U
AP	01	332515001	6/26/2013	Ru-103	2.06E-04	6.73E-04	2.25E-03	U
AP	01	332515001	6/26/2013	Ru-106	-1.67E-03	1.26E-03	3.11E-03	U
AP	01	332515001	6/26/2013	Sb-124	-4.94E-04	7.77E-04	2.23E-03	U
AP	01	332515001	6/26/2013	Sb-125	4.88E-07	3.07E-04	8.96E-04	U
AP	01	332515001	6/26/2013	Se-75	-6.60E-05	2.42E-04	6.72E-04	U
AP	01	332515001	6/26/2013	Th-228	3.27E-04	3.32E-04	6.24E-04	U
AP	01	332515001	6/26/2013	Zn-65	-4.89E-04	3.67E-04	9.72E-04	U
AP	01	332515001	6/26/2013	Zr-95	-2.29E-04	6.58E-04	2.03E-03	U
AP	01	329425001	7/10/2013	BETA	2.42E-02	1.33E-03	6.90E-04	
AP	01	330436001	7/24/2013	BETA	2.91E-02	1.46E-03	7.49E-04	
AP	01	331291001	8/6/2013	BETA	2.39E-02	1.37E-03	6.90E-04	
AP	01	332164001	8/21/2013	BETA	1.21E-02	9.13E-04	6.16E-04	
AP	01	332954001	9/4/2013	BETA	3.98E-02	1.72E-03	6.74E-04	
AP	01	333830001	9/18/2013	BETA	2.96E-02	1.47E-03	7.22E-04	
AP	01	334746001	10/2/2013	BETA	2.34E-02	1.31E-03	7.20E-04	
AP	01	336546001	10/2/2013	Ac-228	-3.81E-04	4.03E-04	1.26E-03	U
AP	01	336546001	10/2/2013	Ag-108m	4.41E-05	6.61E-05	2.19E-04	U
AP	01	336546001	10/2/2013	Ag-110m	-1.98E-04	1.75E-04	4.22E-04	U
AP	01	336546001	10/2/2013	Ba-140	-6.31E-04	2.17E-02	7.27E-02	U
AP	01	336546001	10/2/2013	Be-7	9.79E-02	7.43E-03	5.94E-03	
AP	01	336546001	10/2/2013	Ce-141	1.89E-04	5.14E-04	1.55E-03	U
AP	01	336546001	10/2/2013	Ce-144	-7.43E-04	4.53E-04	1.31E-03	U
AP	01	336546001	10/2/2013	Co-57	-4.66E-05	6.36E-05	1.80E-04	U
AP	01	336546001	10/2/2013	Co-58	-1.16E-04	1.75E-04	5.32E-04	U
AP	01	336546001	10/2/2013	Co-60	-5.78E-05	9.03E-05	2.73E-04	U
AP	01	336546001	10/2/2013	Cr-51	2.89E-03	4.12E-03	1.38E-02	U
AP	01	336546001	10/2/2013	Cs-134	-7.91E-05	1.06E-04	3.21E-04	U
AP	01	336546001	10/2/2013	Cs-137	0.00E+00	8.03E-05	2.34E-04	U
AP	01	336546001	10/2/2013	Fe-59	-1.19E-03	6.45E-04	1.40E-03	U
AP	01	336546001	10/2/2013	I-131	-1.25E-01	9.43E-02	0.00E+00	U
AP	01	336546001	10/2/2013	K-40	2.38E-03	1.66E-03	2.65E-03	U
AP	01	336546001	10/2/2013	La-140	1.67E-06	7.94E-03	2.61E-02	U
AP	01	336546001	10/2/2013	Mn-54	1.52E-04	1.22E-04	4.18E-04	U
AP	01	336546001	10/2/2013	Nb-95	1.79E-04	1.98E-04	6.82E-04	U
AP	01	336546001	10/2/2013	Ru-103	3.26E-04	2.83E-04	9.85E-04	U
AP	01	336546001	10/2/2013	Ru-106	-8.54E-05	7.25E-04	2.39E-03	U
AP	01	336546001	10/2/2013	Sb-124	-8.81E-04	5.75E-04	1.31E-03	U
AP	01	336546001	10/2/2013	Sb-125	1.16E-04	2.17E-04	7.16E-04	U
AP	01	336546001	10/2/2013	Se-75	5.87E-05	1.46E-04	4.86E-04	U
AP	01	336546001	10/2/2013	Th-228	2.90E-04	1.74E-04	4.81E-04	U
AP	01	336546001	10/2/2013	Zn-65	3.58E-04	2.94E-04	9.15E-04	U
AP	01	336546001	10/2/2013	Zr-95	0.00E+00	0.00E+00	1.13E-03	U
AP	01	335889001	10/16/2013	BETA	3.26E-02	1.42E-03	6.18E-04	

Seabrook REMP Summary of 2013 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m^3)	STD.DEV. (pCi/m^3)	MDC (pCi/m^3)	FLAGS
AP	01	336705001	10/30/2013	BETA	2.77E-02	1.31E-03	5.91E-04	
AP	01	337650001	11/13/2013	BETA	2.54E-02	1.25E-03	5.94E-04	
AP	01	338356001	11/26/2013	BETA	2.78E-02	1.35E-03	6.03E-04	
AP	01	339378001	12/11/2013	BETA	3.03E-02	1.32E-03	5.68E-04	
AP	01	339984001	12/26/2013	BETA	3.55E-02	1.42E-03	4.99E-04	
AP	01	341531001	12/26/2013	Ac-228	-2.48E-04	8.63E-04	2.94E-03	U
AP	01	341531001	12/26/2013	Ag-108m	3.24E-05	1.19E-04	4.05E-04	U
AP	01	341531001	12/26/2013	Ag-110m	3.01E-05	2.87E-04	9.65E-04	U
AP	01	341531001	12/26/2013	Ba-140	-6.55E-02	4.16E-02	1.04E-01	U
AP	01	341531001	12/26/2013	Be-7	8.74E-02	1.05E-02	9.75E-03	
AP	01	341531001	12/26/2013	Ce-141	1.34E-04	6.89E-04	2.27E-03	U
AP	01	341531001	12/26/2013	Ce-144	1.38E-04	7.39E-04	2.48E-03	U
AP	01	341531001	12/26/2013	Co-57	9.15E-05	8.81E-05	3.05E-04	U
AP	01	341531001	12/26/2013	Co-58	-1.39E-04	3.65E-04	1.16E-03	U
AP	01	341531001	12/26/2013	Co-60	4.27E-05	2.59E-04	8.86E-04	U
AP	01	341531001	12/26/2013	Cr-51	-1.40E-03	6.91E-03	2.30E-02	U
AP	01	341531001	12/26/2013	Cs-134	-1.75E-04	2.05E-04	5.92E-04	U
AP	01	341531001	12/26/2013	Cs-137	-3.69E-04	2.58E-04	6.35E-04	U
AP	01	341531001	12/26/2013	Fe-59	6.35E-04	1.13E-03	3.97E-03	U
AP	01	341531001	12/26/2013	I-131	1.44E-01	8.69E-02	3.09E-01	U
AP	01	341531001	12/26/2013	K-40	2.95E-03	3.34E-03	1.23E-02	U
AP	01	341531001	12/26/2013	La-140	1.09E-02	1.35E-02	5.05E-02	U
AP	01	341531001	12/26/2013	Mn-54	-2.92E-04	1.83E-04	3.86E-04	U
AP	01	341531001	12/26/2013	Nb-95	5.27E-04	4.23E-04	1.54E-03	U
AP	01	341531001	12/26/2013	Ru-103	0.00E+00	4.58E-04	1.05E-03	U
AP	01	341531001	12/26/2013	Ru-106	-1.07E-03	2.00E-03	5.75E-03	U
AP	01	341531001	12/26/2013	Sb-124	-1.26E-05	9.48E-04	3.10E-03	U
AP	01	341531001	12/26/2013	Sb-125	6.62E-04	5.12E-04	1.78E-03	U
AP	01	341531001	12/26/2013	Se-75	-2.37E-04	2.77E-04	8.04E-04	U
AP	01	341531001	12/26/2013	Th-228	1.04E-04	2.93E-04	1.01E-03	U
AP	01	341531001	12/26/2013	Zn-65	-7.40E-04	5.20E-04	1.12E-03	U
AP	01	341531001	12/26/2013	Zr-95	4.68E-04	5.98E-04	2.18E-03	U
AP	02	318308002	1/9/2013	BETA	4.17E-02	1.71E-03	6.22E-04	
AP	02	319076002	1/23/2013	BETA	3.23E-02	1.51E-03	6.54E-04	
AP	02	320051002	2/6/2013	BETA	3.14E-02	1.48E-03	6.32E-04	
AP	02	320865002	2/20/2013	BETA	2.78E-02	1.40E-03	6.79E-04	
AP	02	321597002	3/6/2013	BETA	1.36E-02	9.93E-04	6.72E-04	
AP	02	322488002	3/20/2013	BETA	1.59E-02	1.09E-03	6.86E-04	
AP	02	324991002	3/20/2013	Ac-228	0.00E+00	3.00E-03	2.67E-03	U
AP	02	324991002	3/20/2013	Ag-108m	0.00E+00	2.42E-04	5.27E-04	U
AP	02	324991002	3/20/2013	Ag-110m	-6.91E-04	3.88E-04	1.02E-03	U
AP	02	324991002	3/20/2013	Ba-140	-6.40E-03	8.58E-02	2.79E-01	U
AP	02	324991002	3/20/2013	Be-7	1.11E-01	1.05E-02	1.30E-02	
AP	02	324991002	3/20/2013	Ce-141	1.01E-04	1.47E-03	4.19E-03	U
AP	02	324991002	3/20/2013	Ce-144	3.02E-04	9.05E-04	3.05E-03	U
AP	02	324991002	3/20/2013	Co-57	-2.41E-05	1.15E-04	3.56E-04	U
AP	02	324991002	3/20/2013	Co-58	1.81E-04	4.87E-04	1.64E-03	U
AP	02	324991002	3/20/2013	Co-60	8.13E-05	2.05E-04	6.95E-04	U
AP	02	324991002	3/20/2013	Cr-51	-1.74E-02	1.34E-02	3.84E-02	U
AP	02	324991002	3/20/2013	Cs-134	-5.85E-05	2.41E-04	7.89E-04	U
AP	02	324991002	3/20/2013	Cs-137	-1.77E-04	2.10E-04	6.66E-04	U

Seabrook REMP Summary of 2013 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m^3)	STD.DEV. (pCi/m^3)	MDC (pCi/m^3)	FLAGS
AP	02	324991002	3/20/2013	Fe-59	-1.78E-03	1.74E-03	4.95E-03	U
AP	02	324991002	3/20/2013	I-131	0.00E+00	3.72E-01	0.00E+00	UI
AP	02	324991002	3/20/2013	K-40	1.02E-04	3.08E-03	9.68E-03	U
AP	02	324991002	3/20/2013	La-140	-7.86E-02	3.41E-02	6.73E-02	U
AP	02	324991002	3/20/2013	Mn-54	1.72E-04	2.47E-04	8.33E-04	U
AP	02	324991002	3/20/2013	Nb-95	2.00E-05	5.25E-04	1.75E-03	U
AP	02	324991002	3/20/2013	Ru-103	-1.31E-03	9.16E-04	2.66E-03	U
AP	02	324991002	3/20/2013	Ru-106	2.11E-03	2.11E-03	6.93E-03	U
AP	02	324991002	3/20/2013	Sb-124	-5.96E-04	9.92E-04	2.94E-03	U
AP	02	324991002	3/20/2013	Sb-125	8.17E-05	6.14E-04	1.78E-03	U
AP	02	324991002	3/20/2013	Se-75	-2.05E-04	5.64E-04	1.10E-03	U
AP	02	324991002	3/20/2013	Th-228	2.63E-04	4.29E-04	1.07E-03	U
AP	02	324991002	3/20/2013	Zn-65	-1.88E-04	5.88E-04	1.86E-03	U
AP	02	324991002	3/20/2013	Zr-95	3.05E-04	9.58E-04	3.23E-03	U
AP	02	323113002	4/3/2013	BETA	1.51E-02	1.06E-03	6.94E-04	
AP	02	324220002	4/17/2013	BETA	2.42E-02	1.35E-03	7.19E-04	
AP	02	325184002	5/1/2013	BETA	2.86E-02	1.46E-03	6.66E-04	
AP	02	326051002	5/15/2013	BETA	2.27E-02	1.27E-03	6.63E-04	
AP	02	326792002	5/29/2013	BETA	1.53E-02	1.05E-03	7.07E-04	
AP	02	327670002	6/12/2013	BETA	2.38E-02	1.30E-03	6.99E-04	
AP	02	328687002	6/26/2013	BETA	2.98E-02	1.47E-03	7.27E-04	
AP	02	332515002	6/26/2013	Ac-228	3.08E-04	4.13E-04	1.44E-03	U
AP	02	332515002	6/26/2013	Ag-108m	1.22E-04	9.06E-05	2.47E-04	U
AP	02	332515002	6/26/2013	Ag-110m	-1.17E-04	1.49E-04	4.44E-04	U
AP	02	332515002	6/26/2013	Ba-140	-1.67E-03	1.74E-01	5.35E-01	U
AP	02	332515002	6/26/2013	Be-7	1.35E-01	1.11E-02	8.03E-03	
AP	02	332515002	6/26/2013	Ce-141	5.38E-05	1.04E-03	3.41E-03	U
AP	02	332515002	6/26/2013	Ce-144	-6.08E-04	4.81E-04	1.42E-03	U
AP	02	332515002	6/26/2013	Co-57	-8.65E-05	6.73E-05	2.01E-04	U
AP	02	332515002	6/26/2013	Co-58	-4.39E-04	2.62E-04	6.59E-04	U
AP	02	332515002	6/26/2013	Co-60	-1.98E-06	9.27E-05	3.09E-04	U
AP	02	332515002	6/26/2013	Cr-51	1.79E-03	1.05E-02	3.57E-02	U
AP	02	332515002	6/26/2013	Cs-134	2.03E-04	1.03E-04	3.61E-04	U
AP	02	332515002	6/26/2013	Cs-137	8.23E-05	8.63E-05	2.91E-04	U
AP	02	332515002	6/26/2013	Fe-59	-2.28E-03	1.18E-03	2.49E-03	U
AP	02	332515002	6/26/2013	I-131	0.00E+00	1.90E+00	0.00E+00	UI
AP	02	332515002	6/26/2013	K-40	2.52E-03	1.50E-03	3.08E-03	U
AP	02	332515002	6/26/2013	La-140	3.47E-02	6.56E-02	2.29E-01	U
AP	02	332515002	6/26/2013	Mn-54	3.02E-05	1.11E-04	3.30E-04	U
AP	02	332515002	6/26/2013	Nb-95	5.72E-04	3.29E-04	1.08E-03	U
AP	02	332515002	6/26/2013	Ru-103	3.74E-04	5.19E-04	1.76E-03	U
AP	02	332515002	6/26/2013	Ru-106	-7.20E-05	9.27E-04	2.57E-03	U
AP	02	332515002	6/26/2013	Sb-124	-4.77E-04	8.16E-04	2.41E-03	U
AP	02	332515002	6/26/2013	Sb-125	-1.06E-04	2.03E-04	6.43E-04	U
AP	02	332515002	6/26/2013	Se-75	-2.65E-04	1.91E-04	5.23E-04	U
AP	02	332515002	6/26/2013	Th-228	2.67E-04	1.88E-04	5.06E-04	U
AP	02	332515002	6/26/2013	Zn-65	1.45E-04	2.81E-04	9.53E-04	U
AP	02	332515002	6/26/2013	Zr-95	1.75E-04	5.17E-04	1.77E-03	U
AP	02	329425002	7/10/2013	BETA	2.40E-02	1.32E-03	6.88E-04	
AP	02	330436002	7/24/2013	BETA	2.69E-02	1.40E-03	7.38E-04	
AP	02	331291002	8/6/2013	BETA	2.16E-02	1.29E-03	6.83E-04	

Seabrook REMP Summary of 2013 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m^3)	STD.DEV. (pCi/m^3)	MDC (pCi/m^3)	FLAGS
AP	02	332164002	8/21/2013	BETA	1.22E-02	9.08E-04	6.09E-04	
AP	02	332954002	9/4/2013	BETA	4.52E-02	1.83E-03	6.63E-04	
AP	02	333830002	9/18/2013	BETA	3.04E-02	1.49E-03	7.20E-04	
AP	02	334746002	10/2/2013	BETA	2.24E-02	1.28E-03	7.23E-04	
AP	02	336546002	10/2/2013	Ac-228	9.51E-04	5.32E-04	1.38E-03	U
AP	02	336546002	10/2/2013	Ag-108m	-1.09E-04	7.18E-05	2.01E-04	U
AP	02	336546002	10/2/2013	Ag-110m	-7.20E-05	1.66E-04	4.36E-04	U
AP	02	336546002	10/2/2013	Ba-140	2.76E-02	2.22E-02	7.58E-02	U
AP	02	336546002	10/2/2013	Be-7	9.25E-02	6.77E-03	5.97E-03	
AP	02	336546002	10/2/2013	Ce-141	-1.48E-04	6.82E-04	1.88E-03	U
AP	02	336546002	10/2/2013	Ce-144	-2.88E-04	4.88E-04	1.56E-03	U
AP	02	336546002	10/2/2013	Co-57	3.83E-05	6.31E-05	2.11E-04	U
AP	02	336546002	10/2/2013	Co-58	2.84E-04	1.90E-04	6.35E-04	U
AP	02	336546002	10/2/2013	Co-60	-1.83E-04	1.12E-04	2.83E-04	U
AP	02	336546002	10/2/2013	Cr-51	2.69E-03	4.74E-03	1.59E-02	U
AP	02	336546002	10/2/2013	Cs-134	-6.47E-05	9.60E-05	2.96E-04	U
AP	02	336546002	10/2/2013	Cs-137	9.36E-05	8.64E-05	2.93E-04	U
AP	02	336546002	10/2/2013	Fe-59	6.88E-04	5.28E-04	1.84E-03	U
AP	02	336546002	10/2/2013	I-131	0.00E+00	8.77E-02	0.00E+00	UI
AP	02	336546002	10/2/2013	K-40	1.35E-03	1.53E-03	2.83E-03	U
AP	02	336546002	10/2/2013	La-140	-2.17E-03	8.24E-03	2.38E-02	U
AP	02	336546002	10/2/2013	Mn-54	9.31E-06	1.00E-04	3.27E-04	U
AP	02	336546002	10/2/2013	Nb-95	2.24E-05	1.75E-04	5.79E-04	U
AP	02	336546002	10/2/2013	Ru-103	3.24E-05	3.14E-04	1.02E-03	U
AP	02	336546002	10/2/2013	Ru-106	7.12E-04	9.66E-04	2.88E-03	U
AP	02	336546002	10/2/2013	Sb-124	5.86E-04	4.41E-04	1.60E-03	U
AP	02	336546002	10/2/2013	Sb-125	-4.14E-04	2.27E-04	5.99E-04	U
AP	02	336546002	10/2/2013	Se-75	5.21E-05	1.50E-04	5.08E-04	U
AP	02	336546002	10/2/2013	Th-228	4.56E-04	2.80E-04	5.73E-04	U
AP	02	336546002	10/2/2013	Zn-65	6.28E-05	2.96E-04	8.51E-04	U
AP	02	336546002	10/2/2013	Zr-95	-3.21E-06	3.09E-04	1.01E-03	U
AP	02	335889002	10/16/2013	BETA	3.23E-02	1.42E-03	6.25E-04	
AP	02	336705002	10/30/2013	BETA	2.54E-02	1.25E-03	5.89E-04	
AP	02	337650002	11/13/2013	BETA	2.39E-02	1.21E-03	5.96E-04	
AP	02	338356002	11/26/2013	BETA	2.53E-02	1.30E-03	6.16E-04	
AP	02	339378002	12/11/2013	BETA	2.79E-02	1.26E-03	5.66E-04	
AP	02	339984002	12/26/2013	BETA	3.47E-02	1.40E-03	4.97E-04	
AP	02	341531002	12/26/2013	Ac-228	5.57E-04	6.95E-04	2.50E-03	U
AP	02	341531002	12/26/2013	Ag-108m	5.25E-05	9.94E-05	3.33E-04	U
AP	02	341531002	12/26/2013	Ag-110m	-1.99E-04	2.80E-04	8.31E-04	U
AP	02	341531002	12/26/2013	Ba-140	-2.60E-02	2.52E-02	7.41E-02	U
AP	02	341531002	12/26/2013	Be-7	9.26E-02	8.71E-03	7.83E-03	
AP	02	341531002	12/26/2013	Ce-141	3.71E-04	6.79E-04	2.33E-03	U
AP	02	341531002	12/26/2013	Ce-144	-1.28E-04	6.67E-04	2.23E-03	U
AP	02	341531002	12/26/2013	Co-57	-4.08E-05	8.72E-05	2.86E-04	U
AP	02	341531002	12/26/2013	Co-58	-5.95E-04	3.29E-04	7.51E-04	U
AP	02	341531002	12/26/2013	Co-60	1.09E-04	1.72E-04	6.13E-04	U
AP	02	341531002	12/26/2013	Cr-51	3.22E-03	5.94E-03	1.78E-02	U
AP	02	341531002	12/26/2013	Cs-134	2.36E-04	1.64E-04	5.84E-04	U
AP	02	341531002	12/26/2013	Cs-137	4.94E-05	1.40E-04	4.79E-04	U
AP	02	341531002	12/26/2013	Fe-59	6.49E-04	5.38E-04	2.10E-03	U

Seabrook REMP Summary of 2013 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m^3)	STD.DEV. (pCi/m^3)	MDC (pCi/m^3)	FLAGS
AP	02	341531002	12/26/2013	I-131	-5.19E-02	7.12E-02	2.13E-01	U
AP	02	341531002	12/26/2013	K-40	2.23E-03	2.49E-03	9.37E-03	U
AP	02	341531002	12/26/2013	La-140	2.61E-04	9.74E-03	3.22E-02	U
AP	02	341531002	12/26/2013	Mn-54	1.44E-04	1.65E-04	5.79E-04	U
AP	02	341531002	12/26/2013	Nb-95	5.64E-04	2.43E-04	8.34E-04	U
AP	02	341531002	12/26/2013	Ru-103	-1.78E-05	3.78E-04	1.27E-03	U
AP	02	341531002	12/26/2013	Ru-106	-1.93E-03	1.36E-03	3.58E-03	U
AP	02	341531002	12/26/2013	Sb-124	2.75E-04	6.59E-04	2.34E-03	U
AP	02	341531002	12/26/2013	Sb-125	3.21E-04	2.99E-04	1.03E-03	U
AP	02	341531002	12/26/2013	Se-75	9.06E-05	2.34E-04	7.85E-04	U
AP	02	341531002	12/26/2013	Th-228	0.00E+00	3.24E-04	7.19E-04	U
AP	02	341531002	12/26/2013	Zn-65	-1.29E-04	2.38E-04	6.55E-04	U
AP	02	341531002	12/26/2013	Zr-95	-2.46E-05	4.73E-04	1.55E-03	U
AP	03	318308003	1/9/2013	BETA	4.19E-02	1.71E-03	6.20E-04	
AP	03	319076003	1/23/2013	BETA	2.89E-02	1.42E-03	6.49E-04	
AP	03	320051003	2/6/2013	BETA	2.90E-02	1.42E-03	6.32E-04	
AP	03	320865003	2/20/2013	BETA	2.82E-02	1.42E-03	6.80E-04	
AP	03	321597003	3/6/2013	BETA	1.20E-02	9.25E-04	6.62E-04	
AP	03	322488003	3/20/2013	BETA	1.66E-02	1.16E-03	7.38E-04	
AP	03	324991003	3/20/2013	Ac-228	-6.82E-04	5.98E-04	1.75E-03	U
AP	03	324991003	3/20/2013	Ag-108m	8.95E-05	9.43E-05	3.24E-04	U
AP	03	324991003	3/20/2013	Ag-110m	-8.85E-05	1.64E-04	5.12E-04	U
AP	03	324991003	3/20/2013	Ba-140	5.93E-02	5.10E-02	1.74E-01	U
AP	03	324991003	3/20/2013	Be-7	1.01E-01	8.51E-03	7.43E-03	
AP	03	324991003	3/20/2013	Ce-141	6.34E-04	8.18E-04	2.76E-03	U
AP	03	324991003	3/20/2013	Ce-144	3.83E-04	5.60E-04	1.90E-03	U
AP	03	324991003	3/20/2013	Co-57	-6.91E-05	7.22E-05	2.26E-04	U
AP	03	324991003	3/20/2013	Co-58	-1.12E-04	3.07E-04	8.57E-04	U
AP	03	324991003	3/20/2013	Co-60	-2.07E-04	1.90E-04	5.27E-04	U
AP	03	324991003	3/20/2013	Cr-51	9.14E-03	1.17E-02	2.32E-02	U
AP	03	324991003	3/20/2013	Cs-134	-1.28E-04	1.79E-04	4.79E-04	U
AP	03	324991003	3/20/2013	Cs-137	-2.19E-04	1.47E-04	3.93E-04	U
AP	03	324991003	3/20/2013	Fe-59	-1.97E-04	1.00E-03	3.22E-03	U
AP	03	324991003	3/20/2013	I-131	-2.33E-01	2.44E-01	0.00E+00	U
AP	03	324991003	3/20/2013	K-40	1.63E-03	2.02E-03	7.25E-03	U
AP	03	324991003	3/20/2013	La-140	-3.61E-03	1.85E-02	5.99E-02	U
AP	03	324991003	3/20/2013	Mn-54	1.99E-04	1.31E-04	4.65E-04	U
AP	03	324991003	3/20/2013	Nb-95	6.46E-05	3.12E-04	9.39E-04	U
AP	03	324991003	3/20/2013	Ru-103	-4.00E-04	4.92E-04	1.51E-03	U
AP	03	324991003	3/20/2013	Ru-106	5.74E-04	1.23E-03	4.10E-03	U
AP	03	324991003	3/20/2013	Sb-124	-1.02E-03	9.42E-04	2.58E-03	U
AP	03	324991003	3/20/2013	Sb-125	2.48E-04	3.00E-04	1.03E-03	U
AP	03	324991003	3/20/2013	Se-75	5.10E-04	2.80E-04	7.63E-04	U
AP	03	324991003	3/20/2013	Th-228	6.70E-04	3.46E-04	7.99E-04	U
AP	03	324991003	3/20/2013	Zn-65	1.94E-04	3.33E-04	1.02E-03	U
AP	03	324991003	3/20/2013	Zr-95	9.24E-04	4.78E-04	1.57E-03	U
AP	03	323113003	4/3/2013	BETA	2.11E-02	1.39E-03	8.57E-04	
AP	03	324220003	4/17/2013	BETA	2.45E-02	1.34E-03	6.94E-04	
AP	03	325184003	5/1/2013	BETA	2.97E-02	1.48E-03	6.62E-04	
AP	03	326051003	5/15/2013	BETA	1.76E-02	1.12E-03	6.72E-04	
AP	03	326792003	5/29/2013	BETA	1.48E-02	1.03E-03	7.08E-04	

Seabrook REMP Summary of 2013 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m^3)	STD.DEV. (pCi/m^3)	MDC (pCi/m^3)	FLAGS
AP	03	327670003	6/12/2013	BETA	2.28E-02	1.29E-03	7.12E-04	
AP	03	328687003	6/26/2013	BETA	2.64E-02	1.40E-03	7.40E-04	
AP	03	332515003	6/26/2013	Ac-228	-2.93E-05	5.90E-04	1.95E-03	U
AP	03	332515003	6/26/2013	Ag-108m	-2.67E-05	7.95E-05	2.56E-04	U
AP	03	332515003	6/26/2013	Ag-110m	-1.81E-04	2.08E-04	6.12E-04	U
AP	03	332515003	6/26/2013	Ba-140	3.06E-01	2.34E-01	8.03E-01	U
AP	03	332515003	6/26/2013	Be-7	1.10E-01	1.11E-02	1.11E-02	
AP	03	332515003	6/26/2013	Ce-141	-3.06E-03	1.50E-03	3.72E-03	U
AP	03	332515003	6/26/2013	Ce-144	4.08E-04	4.95E-04	1.68E-03	U
AP	03	332515003	6/26/2013	Co-57	2.93E-05	7.02E-05	2.37E-04	U
AP	03	332515003	6/26/2013	Co-58	6.18E-04	4.15E-04	1.45E-03	U
AP	03	332515003	6/26/2013	Co-60	2.90E-05	1.47E-04	5.03E-04	U
AP	03	332515003	6/26/2013	Cr-51	1.06E-02	1.42E-02	4.90E-02	U
AP	03	332515003	6/26/2013	Cs-134	5.59E-05	1.71E-04	5.84E-04	U
AP	03	332515003	6/26/2013	Cs-137	1.13E-04	1.28E-04	4.34E-04	U
AP	03	332515003	6/26/2013	Fe-59	4.13E-04	1.42E-03	4.78E-03	U
AP	03	332515003	6/26/2013	I-131	-1.91E+00	2.34E+00	0.00E+00	U
AP	03	332515003	6/26/2013	K-40	3.42E-03	2.03E-03	3.58E-03	U
AP	03	332515003	6/26/2013	La-140	-1.20E-01	9.33E-02	2.28E-01	U
AP	03	332515003	6/26/2013	Mn-54	-1.41E-04	1.35E-04	3.88E-04	U
AP	03	332515003	6/26/2013	Nb-95	-1.06E-04	3.25E-04	1.05E-03	U
AP	03	332515003	6/26/2013	Ru-103	-3.11E-04	7.50E-04	2.38E-03	U
AP	03	332515003	6/26/2013	Ru-106	6.59E-04	1.41E-03	4.16E-03	U
AP	03	332515003	6/26/2013	Sb-124	1.41E-03	1.17E-03	4.38E-03	U
AP	03	332515003	6/26/2013	Sb-125	-1.90E-04	2.64E-04	8.16E-04	U
AP	03	332515003	6/26/2013	Se-75	8.09E-05	2.41E-04	7.81E-04	U
AP	03	332515003	6/26/2013	Th-228	3.33E-04	1.90E-04	5.08E-04	U
AP	03	332515003	6/26/2013	Zn-65	4.38E-04	3.68E-04	1.21E-03	U
AP	03	332515003	6/26/2013	Zr-95	1.63E-03	7.53E-04	2.74E-03	U
AP	03	329425003	7/10/2013	BETA	2.68E-02	1.40E-03	6.90E-04	
AP	03	330436003	7/24/2013	BETA	3.04E-02	1.50E-03	7.54E-04	
AP	03	331291003	8/6/2013	BETA	2.60E-02	1.43E-03	6.95E-04	
AP	03	332164003	8/21/2013	BETA	9.70E-03	8.19E-04	6.16E-04	M
AP	03	332954003	9/4/2013	BETA	4.49E-02	1.84E-03	6.76E-04	
AP	03	333830003	9/18/2013	BETA	3.12E-02	1.52E-03	7.23E-04	
AP	03	334746003	10/2/2013	BETA	2.34E-02	1.31E-03	7.18E-04	
AP	03	336546003	10/2/2013	Ac-228	8.66E-05	4.14E-04	1.34E-03	U
AP	03	336546003	10/2/2013	Ag-108m	5.48E-05	6.79E-05	2.50E-04	U
AP	03	336546003	10/2/2013	Ag-110m	-1.67E-04	1.61E-04	4.65E-04	U
AP	03	336546003	10/2/2013	Ba-140	1.41E-02	2.75E-02	9.02E-02	U
AP	03	336546003	10/2/2013	Be-7	1.08E-01	7.57E-03	6.69E-03	
AP	03	336546003	10/2/2013	Ce-141	1.02E-03	5.97E-04	1.89E-03	U
AP	03	336546003	10/2/2013	Ce-144	-5.36E-04	4.79E-04	1.42E-03	U
AP	03	336546003	10/2/2013	Co-57	8.40E-05	6.09E-05	1.98E-04	U
AP	03	336546003	10/2/2013	Co-58	-1.38E-04	1.73E-04	5.17E-04	U
AP	03	336546003	10/2/2013	Co-60	6.20E-05	9.55E-05	3.34E-04	U
AP	03	336546003	10/2/2013	Cr-51	2.91E-03	5.07E-03	1.71E-02	U
AP	03	336546003	10/2/2013	Cs-134	-6.04E-06	1.23E-04	3.50E-04	U
AP	03	336546003	10/2/2013	Cs-137	-3.09E-05	9.20E-05	3.00E-04	U
AP	03	336546003	10/2/2013	Fe-59	1.41E-05	7.52E-04	2.19E-03	U
AP	03	336546003	10/2/2013	I-131	-1.90E-01	1.03E-01	0.00E+00	U

Seabrook REMP Summary of 2013 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m^3)	STD.DEV. (pCi/m^3)	MDC (pCi/m^3)	FLAGS
AP	03	336546003	10/2/2013	K-40	0.00E+00	1.91E-03	2.84E-03	U
AP	03	336546003	10/2/2013	La-140	3.43E-03	9.52E-03	3.23E-02	U
AP	03	336546003	10/2/2013	Mn-54	-2.05E-04	1.21E-04	3.11E-04	U
AP	03	336546003	10/2/2013	Nb-95	2.98E-04	2.40E-04	8.17E-04	U
AP	03	336546003	10/2/2013	Ru-103	5.62E-04	3.79E-04	1.25E-03	U
AP	03	336546003	10/2/2013	Ru-106	-9.66E-05	1.06E-03	3.52E-03	U
AP	03	336546003	10/2/2013	Sb-124	-8.28E-05	5.63E-04	1.79E-03	U
AP	03	336546003	10/2/2013	Sb-125	1.03E-04	2.23E-04	7.41E-04	U
AP	03	336546003	10/2/2013	Se-75	1.34E-05	1.56E-04	5.25E-04	U
AP	03	336546003	10/2/2013	Th-228	1.13E-04	1.84E-04	5.61E-04	U
AP	03	336546003	10/2/2013	Zn-65	2.27E-04	2.25E-04	7.24E-04	U
AP	03	336546003	10/2/2013	Zr-95	6.14E-04	4.06E-04	1.39E-03	U
AP	03	335889003	10/16/2013	BETA	3.44E-02	1.47E-03	6.19E-04	
AP	03	336705003	10/30/2013	BETA	2.54E-02	1.24E-03	5.77E-04	
AP	03	337650003	11/13/2013	BETA	2.61E-02	1.26E-03	5.93E-04	
AP	03	338356003	11/26/2013	BETA	2.73E-02	1.34E-03	6.07E-04	
AP	03	339378003	12/11/2013	BETA	2.75E-02	1.26E-03	5.74E-04	
AP	03	339984003	12/26/2013	BETA	3.48E-02	1.41E-03	5.01E-04	
AP	03	341531003	12/26/2013	Ac-228	-6.60E-04	6.63E-04	2.05E-03	U
AP	03	341531003	12/26/2013	Ag-108m	7.86E-06	1.20E-04	3.96E-04	U
AP	03	341531003	12/26/2013	Ag-110m	3.10E-04	2.50E-04	9.00E-04	U
AP	03	341531003	12/26/2013	Ba-140	1.48E-02	2.90E-02	9.75E-02	U
AP	03	341531003	12/26/2013	Be-7	1.01E-01	8.82E-03	7.98E-03	
AP	03	341531003	12/26/2013	Ce-141	-2.64E-04	8.09E-04	2.53E-03	U
AP	03	341531003	12/26/2013	Ce-144	-6.74E-04	8.10E-04	2.42E-03	U
AP	03	341531003	12/26/2013	Co-57	7.81E-05	1.01E-04	3.34E-04	U
AP	03	341531003	12/26/2013	Co-58	1.89E-04	2.26E-04	8.19E-04	U
AP	03	341531003	12/26/2013	Co-60	-2.62E-05	1.54E-04	4.85E-04	U
AP	03	341531003	12/26/2013	Cr-51	-1.30E-02	6.83E-03	1.75E-02	U
AP	03	341531003	12/26/2013	Cs-134	-1.44E-04	2.05E-04	6.18E-04	U
AP	03	341531003	12/26/2013	Cs-137	1.36E-04	1.37E-04	4.76E-04	U
AP	03	341531003	12/26/2013	Fe-59	-1.75E-03	9.71E-04	2.05E-03	U
AP	03	341531003	12/26/2013	I-131	1.08E-01	8.18E-02	2.80E-01	U
AP	03	341531003	12/26/2013	K-40	2.82E-03	3.22E-03	5.14E-03	U
AP	03	341531003	12/26/2013	La-140	-6.88E-03	8.98E-03	2.34E-02	U
AP	03	341531003	12/26/2013	Mn-54	-2.77E-04	1.94E-04	3.95E-04	U
AP	03	341531003	12/26/2013	Nb-95	3.19E-04	2.87E-04	1.04E-03	U
AP	03	341531003	12/26/2013	Ru-103	-8.86E-04	5.24E-04	1.32E-03	U
AP	03	341531003	12/26/2013	Ru-106	2.44E-04	1.61E-03	4.87E-03	U
AP	03	341531003	12/26/2013	Sb-124	-1.79E-03	9.76E-04	1.85E-03	U
AP	03	341531003	12/26/2013	Sb-125	2.62E-04	4.22E-04	1.43E-03	U
AP	03	341531003	12/26/2013	Se-75	-9.86E-05	2.39E-04	7.80E-04	U
AP	03	341531003	12/26/2013	Th-228	2.63E-04	3.01E-04	8.88E-04	U
AP	03	341531003	12/26/2013	Zn-65	7.71E-04	4.87E-04	1.74E-03	U
AP	03	341531003	12/26/2013	Zr-95	-4.68E-04	5.63E-04	1.71E-03	U
AP	04	318308004	1/9/2013	BETA	4.49E-02	1.80E-03	6.37E-04	
AP	04	319076004	1/23/2013	BETA	2.58E-02	1.36E-03	6.73E-04	
AP	04	320051004	2/6/2013	BETA	3.28E-02	1.54E-03	6.54E-04	
AP	04	320865004	2/20/2013	BETA	2.73E-02	1.42E-03	7.07E-04	
AP	04	321597004	3/6/2013	BETA	1.38E-02	1.01E-03	6.82E-04	
AP	04	322488004	3/20/2013	BETA	2.10E-02	1.29E-03	7.21E-04	

Seabrook REMP Summary of 2013 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m^3)	STD.DEV. (pCi/m^3)	MDC (pCi/m^3)	FLAGS
AP	04	324991004	3/20/2013	Ac-228	1.56E-03	7.48E-04	1.78E-03	U
AP	04	324991004	3/20/2013	Ag-108m	-1.55E-06	8.17E-05	2.70E-04	U
AP	04	324991004	3/20/2013	Ag-110m	-9.16E-05	2.27E-04	5.57E-04	U
AP	04	324991004	3/20/2013	Ba-140	-3.20E-02	3.65E-02	1.09E-01	U
AP	04	324991004	3/20/2013	Be-7	9.56E-02	7.33E-03	7.48E-03	
AP	04	324991004	3/20/2013	Ce-141	1.03E-03	9.28E-04	2.62E-03	U
AP	04	324991004	3/20/2013	Ce-144	5.18E-04	6.05E-04	1.96E-03	U
AP	04	324991004	3/20/2013	Co-57	9.65E-05	8.31E-05	2.68E-04	U
AP	04	324991004	3/20/2013	Co-58	-1.23E-04	2.44E-04	7.70E-04	U
AP	04	324991004	3/20/2013	Co-60	2.16E-04	1.37E-04	4.53E-04	U
AP	04	324991004	3/20/2013	Cr-51	-8.40E-04	6.83E-03	2.18E-02	U
AP	04	324991004	3/20/2013	Cs-134	4.62E-04	2.15E-04	4.80E-04	U
AP	04	324991004	3/20/2013	Cs-137	2.77E-05	1.04E-04	3.43E-04	U
AP	04	324991004	3/20/2013	Fe-59	-2.06E-04	8.56E-04	2.78E-03	U
AP	04	324991004	3/20/2013	I-131	0.00E+00	1.78E-01	0.00E+00	UI
AP	04	324991004	3/20/2013	K-40	2.14E-03	2.11E-03	4.07E-03	U
AP	04	324991004	3/20/2013	La-140	-1.10E-02	1.80E-02	5.56E-02	U
AP	04	324991004	3/20/2013	Mn-54	-1.99E-04	1.45E-04	4.10E-04	U
AP	04	324991004	3/20/2013	Nb-95	2.63E-04	2.63E-04	8.90E-04	U
AP	04	324991004	3/20/2013	Ru-103	-3.07E-04	4.58E-04	1.43E-03	U
AP	04	324991004	3/20/2013	Ru-106	2.26E-03	9.03E-04	3.30E-03	U
AP	04	324991004	3/20/2013	Sb-124	-9.78E-04	6.33E-04	1.52E-03	U
AP	04	324991004	3/20/2013	Sb-125	3.60E-04	2.63E-04	8.79E-04	U
AP	04	324991004	3/20/2013	Se-75	-1.55E-04	1.89E-04	5.86E-04	U
AP	04	324991004	3/20/2013	Th-228	2.51E-05	2.71E-04	4.64E-04	U
AP	04	324991004	3/20/2013	Zn-65	-3.06E-04	3.05E-04	9.06E-04	U
AP	04	324991004	3/20/2013	Zr-95	2.61E-04	4.29E-04	1.45E-03	U
AP	04	323113004	4/3/2013	BETA	1.73E-02	1.16E-03	7.27E-04	
AP	04	324220004	4/17/2013	BETA	2.61E-02	1.44E-03	7.55E-04	
AP	04	325184004	5/1/2013	BETA	3.06E-02	1.49E-03	6.55E-04	
AP	04	326051004	5/15/2013	BETA	2.08E-02	1.20E-03	6.52E-04	
AP	04	326792004	5/29/2013	BETA	1.37E-02	9.78E-04	6.86E-04	
AP	04	327670004	6/12/2013	BETA	2.36E-02	1.28E-03	6.83E-04	
AP	04	328687004	6/26/2013	BETA	2.99E-02	1.46E-03	7.10E-04	
AP	04	332515004	6/26/2013	Ac-228	7.61E-05	4.61E-04	1.56E-03	U
AP	04	332515004	6/26/2013	Ag-108m	9.80E-05	1.14E-04	2.40E-04	U
AP	04	332515004	6/26/2013	Ag-110m	2.33E-04	1.82E-04	6.08E-04	U
AP	04	332515004	6/26/2013	Ba-140	8.86E-02	1.84E-01	6.10E-01	U
AP	04	332515004	6/26/2013	Be-7	1.36E-01	1.05E-02	9.06E-03	
AP	04	332515004	6/26/2013	Ce-141	-1.03E-03	1.33E-03	4.03E-03	U
AP	04	332515004	6/26/2013	Ce-144	5.05E-04	5.73E-04	1.86E-03	U
AP	04	332515004	6/26/2013	Co-57	-9.47E-06	6.84E-05	2.19E-04	U
AP	04	332515004	6/26/2013	Co-58	-2.11E-05	2.62E-04	8.52E-04	U
AP	04	332515004	6/26/2013	Co-60	-4.08E-05	1.10E-04	3.42E-04	U
AP	04	332515004	6/26/2013	Cr-51	9.64E-03	1.14E-02	3.73E-02	U
AP	04	332515004	6/26/2013	Cs-134	7.10E-05	1.09E-04	3.67E-04	U
AP	04	332515004	6/26/2013	Cs-137	3.36E-05	1.14E-04	3.32E-04	U
AP	04	332515004	6/26/2013	Fe-59	-1.04E-03	1.17E-03	2.87E-03	U
AP	04	332515004	6/26/2013	I-131	0.00E+00	2.11E+00	0.00E+00	UI
AP	04	332515004	6/26/2013	K-40	4.06E-03	1.80E-03	3.59E-03	
AP	04	332515004	6/26/2013	La-140	-2.19E-02	7.00E-02	2.23E-01	U

Seabrook REMP Summary of 2013 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m^3)	STD.DEV. (pCi/m^3)	MDC (pCi/m^3)	FLAGS
AP	04	332515004	6/26/2013	Mn-54	1.25E-04	1.24E-04	4.16E-04	U
AP	04	332515004	6/26/2013	Nb-95	2.43E-05	3.26E-04	1.08E-03	U
AP	04	332515004	6/26/2013	Ru-103	-3.84E-04	5.77E-04	1.80E-03	U
AP	04	332515004	6/26/2013	Ru-106	5.82E-04	1.17E-03	3.48E-03	U
AP	04	332515004	6/26/2013	Sb-124	5.65E-04	9.26E-04	3.16E-03	U
AP	04	332515004	6/26/2013	Sb-125	1.47E-04	2.37E-04	7.06E-04	U
AP	04	332515004	6/26/2013	Se-75	1.57E-04	1.94E-04	6.43E-04	U
AP	04	332515004	6/26/2013	Th-228	2.66E-04	2.13E-04	5.83E-04	U
AP	04	332515004	6/26/2013	Zn-65	-3.82E-04	3.04E-04	8.71E-04	U
AP	04	332515004	6/26/2013	Zr-95	1.41E-04	5.62E-04	1.87E-03	U
AP	04	329425004	7/10/2013	BETA	2.58E-02	1.35E-03	6.65E-04	
AP	04	330436004	7/24/2013	BETA	2.91E-02	1.44E-03	7.23E-04	
AP	04	331291004	8/6/2013	BETA	2.31E-02	1.32E-03	6.68E-04	
AP	04	332164004	8/21/2013	BETA	9.54E-03	7.97E-04	5.94E-04	M
AP	04	332954004	9/4/2013	BETA	4.25E-02	1.74E-03	6.43E-04	
AP	04	333830004	9/18/2013	BETA	3.14E-02	1.49E-03	6.91E-04	
AP	04	334746004	10/2/2013	BETA	4.32E-02	2.31E-03	1.22E-03	
AP	04	336546004	10/2/2013	Ac-228	-7.34E-04	4.65E-04	1.22E-03	U
AP	04	336546004	10/2/2013	Ag-108m	9.34E-05	7.77E-05	2.61E-04	U
AP	04	336546004	10/2/2013	Ag-110m	-1.55E-05	1.85E-04	5.31E-04	U
AP	04	336546004	10/2/2013	Ba-140	-1.65E-02	2.33E-02	7.06E-02	U
AP	04	336546004	10/2/2013	Be-7	1.03E-01	8.02E-03	5.98E-03	
AP	04	336546004	10/2/2013	Ce-141	0.00E+00	9.10E-04	1.24E-03	U
AP	04	336546004	10/2/2013	Ce-144	1.02E-04	4.92E-04	1.59E-03	U
AP	04	336546004	10/2/2013	Co-57	-9.84E-05	6.87E-05	1.95E-04	U
AP	04	336546004	10/2/2013	Co-58	2.02E-04	2.12E-04	7.37E-04	U
AP	04	336546004	10/2/2013	Co-60	-1.12E-04	1.32E-04	3.74E-04	U
AP	04	336546004	10/2/2013	Cr-51	-3.35E-03	4.82E-03	1.53E-02	U
AP	04	336546004	10/2/2013	Cs-134	8.77E-05	9.85E-05	3.46E-04	U
AP	04	336546004	10/2/2013	Cs-137	3.30E-05	1.07E-04	3.07E-04	U
AP	04	336546004	10/2/2013	Fe-59	1.72E-06	6.19E-04	2.04E-03	U
AP	04	336546004	10/2/2013	I-131	-7.85E-02	9.54E-02	0.00E+00	U
AP	04	336546004	10/2/2013	K-40	4.61E-03	1.95E-03	2.35E-03	
AP	04	336546004	10/2/2013	La-140	-4.48E-03	1.06E-02	3.20E-02	U
AP	04	336546004	10/2/2013	Mn-54	-1.34E-04	1.03E-04	2.91E-04	U
AP	04	336546004	10/2/2013	Nb-95	-8.62E-05	2.05E-04	6.68E-04	U
AP	04	336546004	10/2/2013	Ru-103	-5.03E-04	3.32E-04	8.98E-04	U
AP	04	336546004	10/2/2013	Ru-106	1.18E-03	9.23E-04	3.10E-03	U
AP	04	336546004	10/2/2013	Sb-124	4.99E-04	6.07E-04	2.17E-03	U
AP	04	336546004	10/2/2013	Sb-125	-1.81E-04	2.19E-04	6.70E-04	U
AP	04	336546004	10/2/2013	Se-75	-1.83E-05	1.56E-04	5.22E-04	U
AP	04	336546004	10/2/2013	Th-228	1.26E-04	2.65E-04	5.21E-04	U
AP	04	336546004	10/2/2013	Zn-65	4.55E-05	2.16E-04	7.27E-04	U
AP	04	336546004	10/2/2013	Zr-95	2.58E-04	3.41E-04	1.19E-03	U
AP	04	335889004	10/16/2013	BETA	3.31E-02	1.41E-03	5.94E-04	
AP	04	336705004	10/30/2013	BETA	2.44E-02	1.25E-03	6.06E-04	
AP	04	337650004	11/13/2013	BETA	2.58E-02	1.24E-03	5.77E-04	
AP	04	338356004	11/26/2013	BETA	2.88E-02	1.35E-03	5.86E-04	
AP	04	339378004	12/11/2013	BETA	2.77E-02	1.24E-03	5.59E-04	
AP	04	339984004	12/26/2013	BETA	3.61E-02	1.45E-03	5.13E-04	
AP	04	341531004	12/26/2013	Ac-228	1.15E-03	5.89E-04	2.39E-03	U

Seabrook REMP Summary of 2013 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m^3)	STD.DEV. (pCi/m^3)	MDC (pCi/m^3)	FLAGS
AP	04	341531004	12/26/2013	Ag-108m	9.80E-06	1.03E-04	3.36E-04	U
AP	04	341531004	12/26/2013	Ag-110m	-6.62E-05	2.85E-04	7.73E-04	U
AP	04	341531004	12/26/2013	Ba-140	-1.36E-02	2.71E-02	8.66E-02	U
AP	04	341531004	12/26/2013	Be-7	8.87E-02	9.25E-03	7.70E-03	
AP	04	341531004	12/26/2013	Ce-141	8.56E-04	6.90E-04	2.33E-03	U
AP	04	341531004	12/26/2013	Ce-144	6.28E-04	6.75E-04	2.34E-03	U
AP	04	341531004	12/26/2013	Co-57	6.06E-06	8.94E-05	3.05E-04	U
AP	04	341531004	12/26/2013	Co-58	-1.68E-04	2.63E-04	7.85E-04	U
AP	04	341531004	12/26/2013	Co-60	-1.99E-04	1.73E-04	4.51E-04	U
AP	04	341531004	12/26/2013	Cr-51	9.53E-03	7.16E-03	2.41E-02	U
AP	04	341531004	12/26/2013	Cs-134	-9.72E-05	1.63E-04	4.93E-04	U
AP	04	341531004	12/26/2013	Cs-137	1.54E-04	2.71E-04	4.47E-04	U
AP	04	341531004	12/26/2013	Fe-59	-5.63E-04	1.05E-03	3.11E-03	U
AP	04	341531004	12/26/2013	I-131	1.79E-02	6.57E-02	2.18E-01	U
AP	04	341531004	12/26/2013	K-40	2.42E-03	2.20E-03	8.60E-03	U
AP	04	341531004	12/26/2013	La-140	1.35E-02	1.02E-02	3.91E-02	U
AP	04	341531004	12/26/2013	Mn-54	-2.00E-04	1.95E-04	5.52E-04	U
AP	04	341531004	12/26/2013	Nb-95	-3.76E-04	2.95E-04	7.76E-04	U
AP	04	341531004	12/26/2013	Ru-103	-4.58E-04	4.18E-04	1.23E-03	U
AP	04	341531004	12/26/2013	Ru-106	1.01E-03	1.38E-03	4.84E-03	U
AP	04	341531004	12/26/2013	Sb-124	1.56E-03	7.69E-04	3.15E-03	U
AP	04	341531004	12/26/2013	Sb-125	3.71E-04	3.72E-04	1.15E-03	U
AP	04	341531004	12/26/2013	Se-75	-1.05E-04	2.41E-04	7.68E-04	U
AP	04	341531004	12/26/2013	Th-228	3.22E-04	2.96E-04	8.33E-04	U
AP	04	341531004	12/26/2013	Zn-65	-1.55E-04	4.67E-04	1.44E-03	U
AP	04	341531004	12/26/2013	Zr-95	-4.54E-04	5.90E-04	1.76E-03	U
AP	05	318308005	1/9/2013	BETA	4.51E-02	1.73E-03	5.85E-04	
AP	05	319076005	1/23/2013	BETA	2.76E-02	1.35E-03	6.17E-04	
AP	05	320051005	2/6/2013	BETA	3.26E-02	1.47E-03	6.01E-04	
AP	05	320865005	2/20/2013	BETA	2.44E-02	1.27E-03	6.30E-04	
AP	05	321597005	3/6/2013	BETA	1.45E-02	9.75E-04	6.10E-04	
AP	05	322488005	3/20/2013	BETA	1.89E-02	1.13E-03	6.19E-04	
AP	05	324991005	3/20/2013	Ac-228	1.03E-03	5.64E-04	1.72E-03	U
AP	05	324991005	3/20/2013	Ag-108m	-5.88E-05	7.34E-05	2.24E-04	U
AP	05	324991005	3/20/2013	Ag-110m	1.32E-04	1.92E-04	6.56E-04	U
AP	05	324991005	3/20/2013	Ba-140	1.15E-02	5.38E-02	1.55E-01	U
AP	05	324991005	3/20/2013	Be-7	9.00E-02	7.38E-03	7.56E-03	
AP	05	324991005	3/20/2013	Ce-141	1.65E-04	5.97E-04	2.02E-03	U
AP	05	324991005	3/20/2013	Ce-144	8.69E-04	5.30E-04	1.76E-03	U
AP	05	324991005	3/20/2013	Co-57	-4.48E-05	5.61E-05	1.79E-04	U
AP	05	324991005	3/20/2013	Co-58	8.82E-05	2.48E-04	8.16E-04	U
AP	05	324991005	3/20/2013	Co-60	3.20E-05	1.31E-04	4.41E-04	U
AP	05	324991005	3/20/2013	Cr-51	1.05E-02	6.42E-03	2.19E-02	U
AP	05	324991005	3/20/2013	Cs-134	-4.01E-05	1.30E-04	4.18E-04	U
AP	05	324991005	3/20/2013	Cs-137	4.06E-05	1.02E-04	3.52E-04	U
AP	05	324991005	3/20/2013	Fe-59	4.27E-04	7.96E-04	2.78E-03	U
AP	05	324991005	3/20/2013	I-131	0.00E+00	1.88E-01	0.00E+00	UI
AP	05	324991005	3/20/2013	K-40	3.33E-03	1.40E-03	3.92E-03	U
AP	05	324991005	3/20/2013	La-140	2.16E-02	2.05E-02	7.22E-02	U
AP	05	324991005	3/20/2013	Mn-54	1.06E-04	1.23E-04	4.24E-04	U
AP	05	324991005	3/20/2013	Nb-95	3.91E-05	2.46E-04	8.27E-04	U

Seabrook REMP Summary of 2013 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m^3)	STD.DEV. (pCi/m^3)	MDC (pCi/m^3)	FLAGS
AP	05	324991005	3/20/2013	Ru-103	-4.05E-04	4.19E-04	1.23E-03	U
AP	05	324991005	3/20/2013	Ru-106	-1.12E-03	1.06E-03	3.10E-03	U
AP	05	324991005	3/20/2013	Sb-124	-9.11E-05	6.54E-04	2.14E-03	U
AP	05	324991005	3/20/2013	Sb-125	6.69E-05	2.68E-04	8.99E-04	U
AP	05	324991005	3/20/2013	Se-75	-4.16E-05	1.59E-04	4.99E-04	U
AP	05	324991005	3/20/2013	Th-228	5.04E-04	2.25E-04	5.52E-04	U
AP	05	324991005	3/20/2013	Zn-65	-4.95E-05	3.33E-04	9.40E-04	U
AP	05	324991005	3/20/2013	Zr-95	2.55E-04	5.19E-04	1.77E-03	U
AP	05	323113005	4/3/2013	BETA	1.49E-02	1.03E-03	6.59E-04	
AP	05	324220005	4/17/2013	BETA	2.44E-02	1.32E-03	6.76E-04	
AP	05	325184005	5/1/2013	BETA	2.71E-02	1.43E-03	6.76E-04	
AP	05	326051005	5/15/2013	BETA	2.11E-02	1.20E-03	6.35E-04	
AP	05	326792005	5/29/2013	BETA	1.74E-02	1.09E-03	6.77E-04	
AP	05	327670005	6/12/2013	BETA	2.20E-02	1.23E-03	6.77E-04	
AP	05	328687005	6/26/2013	BETA	3.26E-02	1.51E-03	7.00E-04	
AP	05	332515005	6/26/2013	Ac-228	5.18E-04	3.94E-04	1.36E-03	U
AP	05	332515005	6/26/2013	Ag-108m	6.23E-05	6.44E-05	2.14E-04	U
AP	05	332515005	6/26/2013	Ag-110m	-9.12E-05	1.50E-04	4.56E-04	U
AP	05	332515005	6/26/2013	Ba-140	4.15E-02	1.12E-01	3.87E-01	U
AP	05	332515005	6/26/2013	Be-7	1.12E-01	1.01E-02	8.44E-03	
AP	05	332515005	6/26/2013	Ce-141	-4.57E-04	1.12E-03	2.98E-03	U
AP	05	332515005	6/26/2013	Ce-144	-6.41E-04	4.33E-04	1.28E-03	U
AP	05	332515005	6/26/2013	Co-57	-7.14E-06	5.35E-05	1.80E-04	U
AP	05	332515005	6/26/2013	Co-58	-3.71E-05	2.17E-04	7.00E-04	U
AP	05	332515005	6/26/2013	Co-60	7.07E-05	9.82E-05	3.46E-04	U
AP	05	332515005	6/26/2013	Cr-51	-7.70E-03	1.03E-02	3.18E-02	U
AP	05	332515005	6/26/2013	Cs-134	-5.86E-06	9.88E-05	2.92E-04	U
AP	05	332515005	6/26/2013	Cs-137	-1.97E-04	1.01E-04	2.33E-04	U
AP	05	332515005	6/26/2013	Fe-59	2.02E-04	9.76E-04	3.21E-03	U
AP	05	332515005	6/26/2013	I-131	-1.60E-01	1.59E+00	0.00E+00	U
AP	05	332515005	6/26/2013	K-40	2.17E-03	1.38E-03	2.74E-03	U
AP	05	332515005	6/26/2013	La-140	3.41E-02	6.66E-02	2.30E-01	U
AP	05	332515005	6/26/2013	Mn-54	-7.17E-05	1.11E-04	3.41E-04	U
AP	05	332515005	6/26/2013	Nb-95	-1.07E-04	2.46E-04	7.74E-04	U
AP	05	332515005	6/26/2013	Ru-103	-6.51E-05	4.36E-04	1.45E-03	U
AP	05	332515005	6/26/2013	Ru-106	-1.23E-03	9.77E-04	2.84E-03	U
AP	05	332515005	6/26/2013	Sb-124	1.41E-04	7.41E-04	2.49E-03	U
AP	05	332515005	6/26/2013	Sb-125	-1.03E-04	2.00E-04	6.16E-04	U
AP	05	332515005	6/26/2013	Se-75	3.08E-04	1.89E-04	5.61E-04	U
AP	05	332515005	6/26/2013	Th-228	2.40E-06	1.35E-04	4.28E-04	U
AP	05	332515005	6/26/2013	Zn-65	-3.77E-04	2.92E-04	7.71E-04	U
AP	05	332515005	6/26/2013	Zr-95	-5.52E-04	4.44E-04	1.22E-03	U
AP	05	329425005	7/10/2013	BETA	2.17E-02	1.23E-03	6.60E-04	
AP	05	330436005	7/24/2013	BETA	3.10E-02	1.48E-03	7.17E-04	
AP	05	331291005	8/6/2013	BETA	2.01E-02	1.23E-03	6.64E-04	
AP	05	332164005	8/21/2013	BETA	1.01E-02	8.13E-04	5.88E-04	
AP	05	332954005	9/4/2013	BETA	4.03E-02	1.70E-03	6.46E-04	
AP	05	333830005	9/18/2013	BETA	2.94E-02	1.45E-03	6.96E-04	
AP	05	334746005	10/2/2013	BETA	2.33E-02	1.28E-03	6.87E-04	
AP	05	336546005	10/2/2013	Ac-228	4.41E-04	4.12E-04	1.37E-03	U
AP	05	336546005	10/2/2013	Ag-108m	-3.00E-05	6.76E-05	2.10E-04	U

Seabrook REMP Summary of 2013 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m^3)	STD.DEV. (pCi/m^3)	MDC (pCi/m^3)	FLAGS
AP	05	336546005	10/2/2013	Ag-110m	0.00E+00	3.58E-04	6.10E-04	U
AP	05	336546005	10/2/2013	Ba-140	2.32E-02	2.26E-02	7.86E-02	U
AP	05	336546005	10/2/2013	Be-7	9.25E-02	6.82E-03	6.28E-03	
AP	05	336546005	10/2/2013	Ce-141	-1.75E-04	4.39E-04	1.45E-03	U
AP	05	336546005	10/2/2013	Ce-144	3.07E-04	4.06E-04	1.39E-03	U
AP	05	336546005	10/2/2013	Co-57	4.22E-06	5.08E-05	1.73E-04	U
AP	05	336546005	10/2/2013	Co-58	6.83E-05	1.61E-04	5.45E-04	U
AP	05	336546005	10/2/2013	Co-60	1.45E-04	1.07E-04	3.84E-04	U
AP	05	336546005	10/2/2013	Cr-51	-1.35E-02	6.42E-03	1.33E-02	U
AP	05	336546005	10/2/2013	Cs-134	2.02E-05	1.25E-04	3.42E-04	U
AP	05	336546005	10/2/2013	Cs-137	-1.00E-04	1.04E-04	3.25E-04	U
AP	05	336546005	10/2/2013	Fe-59	-2.07E-04	5.39E-04	1.65E-03	U
AP	05	336546005	10/2/2013	I-131	-3.70E-02	8.39E-02	0.00E+00	U
AP	05	336546005	10/2/2013	K-40	0.00E+00	1.82E-03	2.60E-03	U
AP	05	336546005	10/2/2013	La-140	2.10E-03	8.70E-03	2.94E-02	U
AP	05	336546005	10/2/2013	Mn-54	-1.06E-04	1.32E-04	3.34E-04	U
AP	05	336546005	10/2/2013	Nb-95	3.64E-04	1.97E-04	6.77E-04	U
AP	05	336546005	10/2/2013	Ru-103	-6.84E-05	2.64E-04	8.75E-04	U
AP	05	336546005	10/2/2013	Ru-106	-1.44E-04	8.37E-04	2.76E-03	U
AP	05	336546005	10/2/2013	Sb-124	-2.49E-05	5.23E-04	1.70E-03	U
AP	05	336546005	10/2/2013	Sb-125	5.68E-04	2.59E-04	8.17E-04	U
AP	05	336546005	10/2/2013	Se-75	2.01E-04	1.47E-04	4.87E-04	U
AP	05	336546005	10/2/2013	Th-228	1.94E-04	1.64E-04	4.06E-04	U
AP	05	336546005	10/2/2013	Zn-65	4.52E-04	2.59E-04	8.99E-04	U
AP	05	336546005	10/2/2013	Zr-95	3.79E-04	3.19E-04	1.11E-03	U
AP	05	335889005	10/16/2013	BETA	3.31E-02	1.40E-03	5.91E-04	
AP	05	336705005	10/30/2013	BETA	2.76E-02	1.28E-03	5.61E-04	
AP	05	337650005	11/13/2013	BETA	2.37E-02	1.18E-03	5.68E-04	
AP	05	338356005	11/26/2013	BETA	3.05E-02	1.38E-03	5.77E-04	
AP	05	339378005	12/11/2013	BETA	2.69E-02	1.21E-03	5.47E-04	
AP	05	339984005	12/26/2013	BETA	3.11E-02	1.31E-03	4.91E-04	
AP	05	341531005	12/26/2013	Ac-228	3.31E-04	6.47E-04	2.44E-03	U
AP	05	341531005	12/26/2013	Ag-108m	-8.20E-05	1.25E-04	3.87E-04	U
AP	05	341531005	12/26/2013	Ag-110m	-3.34E-04	2.69E-04	7.07E-04	U
AP	05	341531005	12/26/2013	Ba-140	1.67E-02	2.94E-02	1.01E-01	U
AP	05	341531005	12/26/2013	Be-7	8.87E-02	8.89E-03	8.94E-03	
AP	05	341531005	12/26/2013	Ce-141	1.01E-03	8.51E-04	2.88E-03	U
AP	05	341531005	12/26/2013	Ce-144	4.76E-04	8.15E-04	2.52E-03	U
AP	05	341531005	12/26/2013	Co-57	1.72E-04	1.13E-04	3.84E-04	U
AP	05	341531005	12/26/2013	Co-58	3.29E-04	3.30E-04	1.19E-03	U
AP	05	341531005	12/26/2013	Co-60	-1.43E-04	2.26E-04	6.47E-04	U
AP	05	341531005	12/26/2013	Cr-51	2.05E-03	7.59E-03	2.61E-02	U
AP	05	341531005	12/26/2013	Cs-134	-4.67E-05	1.69E-04	5.46E-04	U
AP	05	341531005	12/26/2013	Cs-137	1.21E-04	1.67E-04	5.20E-04	U
AP	05	341531005	12/26/2013	Fe-59	-1.24E-04	1.10E-03	3.54E-03	U
AP	05	341531005	12/26/2013	I-131	-1.73E-02	9.70E-02	3.22E-01	U
AP	05	341531005	12/26/2013	K-40	5.63E-03	2.91E-03	1.05E-02	U
AP	05	341531005	12/26/2013	La-140	-2.44E-02	1.30E-02	1.96E-02	U
AP	05	341531005	12/26/2013	Mn-54	2.53E-04	1.86E-04	6.80E-04	U
AP	05	341531005	12/26/2013	Nb-95	6.34E-05	3.37E-04	1.16E-03	U
AP	05	341531005	12/26/2013	Ru-103	-7.55E-04	5.57E-04	1.50E-03	U

Seabrook REMP Summary of 2013 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m^3)	STD.DEV. (pCi/m^3)	MDC (pCi/m^3)	FLAGS
AP	05	341531005	12/26/2013	Ru-106	-6.88E-04	1.90E-03	5.06E-03	U
AP	05	341531005	12/26/2013	Sb-124	1.16E-05	1.02E-03	3.38E-03	U
AP	05	341531005	12/26/2013	Sb-125	7.79E-04	4.70E-04	1.63E-03	U
AP	05	341531005	12/26/2013	Se-75	-2.09E-05	2.89E-04	9.15E-04	U
AP	05	341531005	12/26/2013	Th-228	5.29E-04	3.87E-04	1.10E-03	U
AP	05	341531005	12/26/2013	Zn-65	-7.19E-04	4.79E-04	1.11E-03	U
AP	05	341531005	12/26/2013	Zr-95	-8.84E-04	5.59E-04	1.34E-03	U
AP	07	318308006	1/9/2013	BETA	4.42E-02	1.72E-03	5.88E-04	
AP	07	319076006	1/23/2013	BETA	2.82E-02	1.38E-03	6.26E-04	
AP	07	320051006	2/6/2013	BETA	2.97E-02	1.41E-03	6.07E-04	
AP	07	320865006	2/20/2013	BETA	2.63E-02	1.33E-03	6.42E-04	
AP	07	321597006	3/6/2013	BETA	1.27E-02	9.35E-04	6.39E-04	
AP	07	322488006	3/20/2013	BETA	2.48E-02	1.36E-03	6.75E-04	
AP	07	324991006	3/20/2013	Ac-228	-7.16E-04	8.62E-04	2.60E-03	U
AP	07	324991006	3/20/2013	Ag-108m	-1.33E-04	1.55E-04	4.84E-04	U
AP	07	324991006	3/20/2013	Ag-110m	-3.77E-04	3.52E-04	1.05E-03	U
AP	07	324991006	3/20/2013	Ba-140	-8.08E-02	9.06E-02	2.77E-01	U
AP	07	324991006	3/20/2013	Be-7	9.66E-02	9.64E-03	1.68E-02	
AP	07	324991006	3/20/2013	Ce-141	7.95E-04	1.92E-03	3.98E-03	U
AP	07	324991006	3/20/2013	Ce-144	4.69E-04	8.48E-04	2.86E-03	U
AP	07	324991006	3/20/2013	Co-57	3.28E-05	1.16E-04	3.67E-04	U
AP	07	324991006	3/20/2013	Co-58	-3.53E-04	5.31E-04	1.65E-03	U
AP	07	324991006	3/20/2013	Co-60	2.46E-04	2.03E-04	7.03E-04	U
AP	07	324991006	3/20/2013	Cr-51	-5.10E-03	1.47E-02	4.07E-02	U
AP	07	324991006	3/20/2013	Cs-134	1.37E-04	2.82E-04	8.27E-04	U
AP	07	324991006	3/20/2013	Cs-137	-3.01E-04	2.06E-04	6.06E-04	U
AP	07	324991006	3/20/2013	Fe-59	-8.74E-04	1.53E-03	4.72E-03	U
AP	07	324991006	3/20/2013	I-131	-9.21E-02	4.07E-01	0.00E+00	U
AP	07	324991006	3/20/2013	K-40	1.08E-03	2.65E-03	8.39E-03	U
AP	07	324991006	3/20/2013	La-140	2.38E-03	3.27E-02	1.07E-01	U
AP	07	324991006	3/20/2013	Mn-54	-1.40E-05	2.22E-04	7.33E-04	U
AP	07	324991006	3/20/2013	Nb-95	7.17E-04	5.68E-04	1.83E-03	U
AP	07	324991006	3/20/2013	Ru-103	-1.10E-03	8.87E-04	2.64E-03	U
AP	07	324991006	3/20/2013	Ru-106	-1.29E-03	2.28E-03	6.03E-03	U
AP	07	324991006	3/20/2013	Sb-124	8.35E-05	1.18E-03	3.84E-03	U
AP	07	324991006	3/20/2013	Sb-125	5.46E-04	5.13E-04	1.71E-03	U
AP	07	324991006	3/20/2013	Se-75	-6.60E-04	3.99E-04	1.02E-03	U
AP	07	324991006	3/20/2013	Th-228	-7.47E-04	3.42E-04	8.87E-04	U
AP	07	324991006	3/20/2013	Zn-65	-1.00E-03	6.19E-04	1.62E-03	U
AP	07	324991006	3/20/2013	Zr-95	-4.69E-04	1.08E-03	3.00E-03	U
AP	07	323113006	4/3/2013	BETA	1.80E-02	1.14E-03	6.75E-04	
AP	07	324220006	4/17/2013	BETA	2.49E-02	1.35E-03	6.98E-04	
AP	07	325184006	5/1/2013	BETA	3.08E-02	1.50E-03	6.52E-04	
AP	07	326051006	5/15/2013	BETA	1.97E-02	1.18E-03	6.61E-04	
AP	07	326792006	5/29/2013	BETA	1.35E-02	9.81E-04	7.00E-04	
AP	07	327670006	6/12/2013	BETA	1.76E-02	1.12E-03	7.02E-04	
AP	07	328687006	6/26/2013	BETA	2.97E-02	1.46E-03	7.19E-04	
AP	07	332515006	6/26/2013	Ac-228	7.17E-05	3.42E-04	1.21E-03	U
AP	07	332515006	6/26/2013	Ag-108m	-9.31E-05	8.44E-05	2.05E-04	U
AP	07	332515006	6/26/2013	Ag-110m	-6.34E-05	1.77E-04	5.61E-04	U
AP	07	332515006	6/26/2013	Ba-140	5.03E-02	1.63E-01	5.39E-01	U

Seabrook REMP Summary of 2013 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m^3)	STD.DEV. (pCi/m^3)	MDC (pCi/m^3)	FLAGS
AP	07	332515006	6/26/2013	Be-7	1.15E-01	9.90E-03	7.92E-03	
AP	07	332515006	6/26/2013	Ce-141	8.32E-04	9.97E-04	3.41E-03	U
AP	07	332515006	6/26/2013	Ce-144	-2.71E-04	4.97E-04	1.58E-03	U
AP	07	332515006	6/26/2013	Co-57	3.07E-05	6.31E-05	2.16E-04	U
AP	07	332515006	6/26/2013	Co-58	3.45E-04	3.58E-04	8.35E-04	U
AP	07	332515006	6/26/2013	Co-60	-1.42E-05	9.09E-05	2.97E-04	U
AP	07	332515006	6/26/2013	Cr-51	-1.37E-02	1.13E-02	3.29E-02	U
AP	07	332515006	6/26/2013	Cs-134	-1.10E-06	1.23E-04	3.50E-04	U
AP	07	332515006	6/26/2013	Cs-137	-3.54E-05	1.11E-04	3.10E-04	U
AP	07	332515006	6/26/2013	Fe-59	-3.77E-04	1.22E-03	3.79E-03	U
AP	07	332515006	6/26/2013	I-131	-1.66E-01	1.81E+00	0.00E+00	U
AP	07	332515006	6/26/2013	K-40	2.36E-03	1.34E-03	2.68E-03	U
AP	07	332515006	6/26/2013	La-140	-6.43E-02	7.05E-02	2.00E-01	U
AP	07	332515006	6/26/2013	Mn-54	1.29E-05	1.16E-04	3.85E-04	U
AP	07	332515006	6/26/2013	Nb-95	2.50E-04	2.57E-04	8.93E-04	U
AP	07	332515006	6/26/2013	Ru-103	-2.88E-04	5.10E-04	1.65E-03	U
AP	07	332515006	6/26/2013	Ru-106	1.80E-03	1.04E-03	3.54E-03	U
AP	07	332515006	6/26/2013	Sb-124	-2.30E-04	4.88E-04	1.41E-03	U
AP	07	332515006	6/26/2013	Sb-125	-1.03E-04	2.37E-04	6.35E-04	U
AP	07	332515006	6/26/2013	Se-75	6.08E-04	3.23E-04	6.29E-04	U
AP	07	332515006	6/26/2013	Th-228	4.42E-04	2.37E-04	4.93E-04	U
AP	07	332515006	6/26/2013	Zn-65	-1.65E-04	3.12E-04	9.49E-04	U
AP	07	332515006	6/26/2013	Zr-95	3.19E-04	4.60E-04	1.59E-03	U
AP	07	329425006	7/10/2013	BETA	2.48E-02	1.35E-03	6.97E-04	
AP	07	330436006	7/24/2013	BETA	3.15E-02	1.53E-03	7.57E-04	
AP	07	331291006	8/6/2013	BETA	2.30E-02	1.34E-03	6.92E-04	
AP	07	332164006	8/21/2013	BETA	1.09E-02	8.60E-04	6.09E-04	
AP	07	332954006	9/4/2013	BETA	4.18E-02	1.77E-03	6.74E-04	
AP	07	333830006	9/18/2013	BETA	2.80E-02	1.43E-03	7.17E-04	
AP	07	334746006	10/2/2013	BETA	2.57E-02	1.36E-03	7.13E-04	
AP	07	336546006	10/2/2013	Ac-228	-2.89E-04	9.51E-04	2.34E-03	U
AP	07	336546006	10/2/2013	Ag-108m	-9.80E-06	1.21E-04	3.90E-04	U
AP	07	336546006	10/2/2013	Ag-110m	2.29E-05	3.37E-04	1.10E-03	U
AP	07	336546006	10/2/2013	Ba-140	-2.11E-02	4.52E-02	1.47E-01	U
AP	07	336546006	10/2/2013	Be-7	9.36E-02	9.74E-03	1.09E-02	
AP	07	336546006	10/2/2013	Ce-141	-6.56E-05	9.31E-04	2.85E-03	U
AP	07	336546006	10/2/2013	Ce-144	-3.23E-05	7.19E-04	2.33E-03	U
AP	07	336546006	10/2/2013	Co-57	4.32E-05	8.80E-05	2.91E-04	U
AP	07	336546006	10/2/2013	Co-58	6.93E-04	3.89E-04	1.32E-03	U
AP	07	336546006	10/2/2013	Co-60	-3.38E-06	2.04E-04	6.67E-04	U
AP	07	336546006	10/2/2013	Cr-51	-9.45E-03	9.11E-03	2.52E-02	U
AP	07	336546006	10/2/2013	Cs-134	2.53E-04	2.02E-04	5.95E-04	U
AP	07	336546006	10/2/2013	Cs-137	1.06E-04	1.71E-04	5.84E-04	U
AP	07	336546006	10/2/2013	Fe-59	-1.00E-03	1.13E-03	3.35E-03	U
AP	07	336546006	10/2/2013	I-131	0.00E+00	1.83E-01	0.00E+00	UI
AP	07	336546006	10/2/2013	K-40	-2.34E-03	2.51E-03	8.18E-03	U
AP	07	336546006	10/2/2013	La-140	2.58E-03	1.53E-02	5.23E-02	U
AP	07	336546006	10/2/2013	Mn-54	4.09E-04	2.25E-04	7.58E-04	U
AP	07	336546006	10/2/2013	Nb-95	3.60E-04	4.47E-04	1.52E-03	U
AP	07	336546006	10/2/2013	Ru-103	-3.63E-04	6.32E-04	1.93E-03	U
AP	07	336546006	10/2/2013	Ru-106	-2.97E-03	1.58E-03	3.89E-03	U

Seabrook REMP Summary of 2013 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m^3)	STD.DEV. (pCi/m^3)	MDC (pCi/m^3)	FLAGS
AP	07	336546006	10/2/2013	Sb-124	-1.31E-03	1.04E-03	2.63E-03	U
AP	07	336546006	10/2/2013	Sb-125	5.31E-05	4.45E-04	1.45E-03	U
AP	07	336546006	10/2/2013	Se-75	-8.30E-05	2.61E-04	8.59E-04	U
AP	07	336546006	10/2/2013	Th-228	5.69E-04	5.68E-04	8.73E-04	U
AP	07	336546006	10/2/2013	Zn-65	-5.27E-04	5.36E-04	1.58E-03	U
AP	07	336546006	10/2/2013	Zr-95	-2.86E-05	7.16E-04	2.34E-03	U
AP	07	335889006	10/16/2013	BETA	3.30E-02	1.44E-03	6.20E-04	
AP	07	336705006	10/30/2013	BETA	2.69E-02	1.28E-03	5.79E-04	
AP	07	337650006	11/13/2013	BETA	2.68E-02	1.28E-03	5.90E-04	
AP	07	338356006	11/26/2013	BETA	2.91E-02	1.37E-03	5.95E-04	
AP	07	339378006	12/11/2013	BETA	2.75E-02	1.24E-03	5.54E-04	
AP	07	339984006	12/26/2013	BETA	3.37E-02	1.37E-03	4.86E-04	
AP	07	341531006	12/26/2013	Ac-228	-4.13E-04	6.61E-04	2.13E-03	U
AP	07	341531006	12/26/2013	Ag-108m	4.90E-05	1.24E-04	3.66E-04	U
AP	07	341531006	12/26/2013	Ag-110m	5.60E-05	2.04E-04	6.87E-04	U
AP	07	341531006	12/26/2013	Ba-140	2.70E-02	2.35E-02	8.18E-02	U
AP	07	341531006	12/26/2013	Be-7	8.17E-02	8.92E-03	1.13E-02	
AP	07	341531006	12/26/2013	Ce-141	4.08E-04	6.84E-04	2.26E-03	U
AP	07	341531006	12/26/2013	Ce-144	7.50E-04	7.53E-04	2.50E-03	U
AP	07	341531006	12/26/2013	Co-57	6.66E-05	8.52E-05	2.85E-04	U
AP	07	341531006	12/26/2013	Co-58	-7.39E-04	3.53E-04	7.35E-04	U
AP	07	341531006	12/26/2013	Co-60	5.52E-06	1.57E-04	5.24E-04	U
AP	07	341531006	12/26/2013	Cr-51	-2.20E-03	6.66E-03	2.16E-02	U
AP	07	341531006	12/26/2013	Cs-134	-2.73E-04	1.80E-04	4.53E-04	U
AP	07	341531006	12/26/2013	Cs-137	-1.49E-04	1.39E-04	3.97E-04	U
AP	07	341531006	12/26/2013	Fe-59	-8.74E-04	8.04E-04	2.20E-03	U
AP	07	341531006	12/26/2013	I-131	8.59E-02	7.97E-02	2.73E-01	U
AP	07	341531006	12/26/2013	K-40	3.51E-04	3.08E-03	5.24E-03	U
AP	07	341531006	12/26/2013	La-140	2.80E-03	8.61E-03	2.97E-02	U
AP	07	341531006	12/26/2013	Mn-54	3.40E-04	1.94E-04	5.79E-04	U
AP	07	341531006	12/26/2013	Nb-95	3.51E-04	2.30E-04	8.25E-04	U
AP	07	341531006	12/26/2013	Ru-103	3.50E-04	4.82E-04	1.62E-03	U
AP	07	341531006	12/26/2013	Ru-106	-1.30E-03	1.52E-03	4.63E-03	U
AP	07	341531006	12/26/2013	Sb-124	-3.41E-04	8.63E-04	2.59E-03	U
AP	07	341531006	12/26/2013	Sb-125	4.28E-04	4.01E-04	1.25E-03	U
AP	07	341531006	12/26/2013	Se-75	-4.51E-05	2.26E-04	7.49E-04	U
AP	07	341531006	12/26/2013	Th-228	2.44E-04	2.39E-04	8.23E-04	U
AP	07	341531006	12/26/2013	Zn-65	-3.27E-04	4.67E-04	1.44E-03	U
AP	07	341531006	12/26/2013	Zr-95	4.10E-04	5.53E-04	1.74E-03	U
AP	08	318308007	1/9/2013	BETA	4.27E-02	1.65E-03	5.57E-04	
AP	08	319076007	1/23/2013	BETA	2.84E-02	1.40E-03	6.42E-04	
AP	08	320051007	2/6/2013	BETA	2.96E-02	1.42E-03	6.16E-04	
AP	08	320865007	2/20/2013	BETA	2.70E-02	1.37E-03	6.59E-04	
AP	08	321597007	3/6/2013	BETA	9.45E-03	8.10E-04	6.38E-04	M
AP	08	322488007	3/20/2013	BETA	1.78E-02	1.11E-03	6.32E-04	
AP	08	324991007	3/20/2013	Ac-228	-6.52E-04	5.57E-04	1.77E-03	U
AP	08	324991007	3/20/2013	Ag-108m	-8.13E-05	8.59E-05	2.62E-04	U
AP	08	324991007	3/20/2013	Ag-110m	1.86E-04	1.70E-04	6.33E-04	U
AP	08	324991007	3/20/2013	Ba-140	1.51E-01	6.30E-02	1.81E-01	U
AP	08	324991007	3/20/2013	Be-7	9.32E-02	8.25E-03	8.25E-03	
AP	08	324991007	3/20/2013	Ce-141	-2.24E-04	8.13E-04	2.38E-03	U

Seabrook REMP Summary of 2013 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m^3)	STD.DEV. (pCi/m^3)	MDC (pCi/m^3)	FLAGS
AP	08	324991007	3/20/2013	Ce-144	-3.93E-04	5.67E-04	1.82E-03	U
AP	08	324991007	3/20/2013	Co-57	-7.47E-05	6.94E-05	2.14E-04	U
AP	08	324991007	3/20/2013	Co-58	-2.08E-04	2.44E-04	7.46E-04	U
AP	08	324991007	3/20/2013	Co-60	-4.83E-05	1.43E-04	4.43E-04	U
AP	08	324991007	3/20/2013	Cr-51	-8.68E-03	8.53E-03	2.44E-02	U
AP	08	324991007	3/20/2013	Cs-134	-2.98E-05	1.26E-04	4.05E-04	U
AP	08	324991007	3/20/2013	Cs-137	-3.97E-05	1.13E-04	3.38E-04	U
AP	08	324991007	3/20/2013	Fe-59	-8.83E-04	8.62E-04	2.41E-03	U
AP	08	324991007	3/20/2013	I-131	-4.90E-02	2.26E-01	0.00E+00	U
AP	08	324991007	3/20/2013	K-40	1.88E-03	1.38E-03	5.28E-03	U
AP	08	324991007	3/20/2013	La-140	-1.06E-02	1.83E-02	5.51E-02	U
AP	08	324991007	3/20/2013	Mn-54	-2.79E-04	1.43E-04	3.40E-04	U
AP	08	324991007	3/20/2013	Nb-95	0.00E+00	5.95E-04	7.75E-04	U
AP	08	324991007	3/20/2013	Ru-103	9.88E-04	4.81E-04	1.61E-03	U
AP	08	324991007	3/20/2013	Ru-106	-7.64E-04	1.12E-03	3.41E-03	U
AP	08	324991007	3/20/2013	Sb-124	6.46E-04	7.16E-04	2.61E-03	U
AP	08	324991007	3/20/2013	Sb-125	-1.64E-04	2.88E-04	9.21E-04	U
AP	08	324991007	3/20/2013	Se-75	2.81E-04	2.09E-04	6.82E-04	U
AP	08	324991007	3/20/2013	Th-228	2.31E-04	2.29E-04	6.85E-04	U
AP	08	324991007	3/20/2013	Zn-65	-2.52E-04	3.34E-04	9.94E-04	U
AP	08	324991007	3/20/2013	Zr-95	-2.19E-05	4.89E-04	1.56E-03	U
AP	08	323113007	4/3/2013	BETA	1.66E-02	1.08E-03	6.60E-04	
AP	08	324220007	4/17/2013	BETA	2.42E-02	1.31E-03	6.77E-04	
AP	08	325184007	5/1/2013	BETA	2.80E-02	1.41E-03	6.39E-04	
AP	08	326051007	5/15/2013	BETA	2.05E-02	1.19E-03	6.44E-04	
AP	08	326792007	5/29/2013	BETA	1.33E-02	9.72E-04	6.96E-04	
AP	08	327670007	6/12/2013	BETA	2.17E-02	1.24E-03	6.90E-04	
AP	08	328687007	6/26/2013	BETA	2.87E-02	1.43E-03	7.12E-04	
AP	08	332515007	6/26/2013	Ac-228	4.40E-04	7.89E-04	2.64E-03	U
AP	08	332515007	6/26/2013	Ag-108m	-1.27E-04	1.17E-04	3.37E-04	U
AP	08	332515007	6/26/2013	Ag-110m	2.22E-04	3.53E-04	1.18E-03	U
AP	08	332515007	6/26/2013	Ba-140	-5.97E-01	3.65E-01	1.01E+00	U
AP	08	332515007	6/26/2013	Be-7	1.34E-01	1.37E-02	1.73E-02	
AP	08	332515007	6/26/2013	Ce-141	2.06E-04	2.63E-03	6.06E-03	U
AP	08	332515007	6/26/2013	Ce-144	-1.30E-03	8.05E-04	2.22E-03	U
AP	08	332515007	6/26/2013	Co-57	1.11E-04	9.92E-05	3.26E-04	U
AP	08	332515007	6/26/2013	Co-58	-1.50E-04	4.74E-04	1.50E-03	U
AP	08	332515007	6/26/2013	Co-60	1.87E-04	2.22E-04	7.71E-04	U
AP	08	332515007	6/26/2013	Cr-51	-9.49E-03	1.87E-02	5.96E-02	U
AP	08	332515007	6/26/2013	Cs-134	-2.58E-04	2.41E-04	6.83E-04	U
AP	08	332515007	6/26/2013	Cs-137	2.50E-04	1.96E-04	6.09E-04	U
AP	08	332515007	6/26/2013	Fe-59	4.01E-03	2.35E-03	8.13E-03	U
AP	08	332515007	6/26/2013	I-131	0.00E+00	3.68E+00	0.00E+00	UI
AP	08	332515007	6/26/2013	K-40	0.00E+00	2.29E-03	6.81E-03	U
AP	08	332515007	6/26/2013	La-140	3.81E-02	9.87E-02	3.47E-01	U
AP	08	332515007	6/26/2013	Mn-54	1.54E-04	2.45E-04	8.23E-04	U
AP	08	332515007	6/26/2013	Nb-95	3.09E-05	5.53E-04	1.82E-03	U
AP	08	332515007	6/26/2013	Ru-103	2.18E-03	1.12E-03	3.15E-03	U
AP	08	332515007	6/26/2013	Ru-106	-6.47E-04	1.72E-03	5.55E-03	U
AP	08	332515007	6/26/2013	Sb-124	2.36E-03	1.60E-03	5.93E-03	U
AP	08	332515007	6/26/2013	Sb-125	-4.95E-04	4.36E-04	1.26E-03	U

Seabrook REMP Summary of 2013 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m^3)	STD.DEV. (pCi/m^3)	MDC (pCi/m^3)	FLAGS
AP	08	332515007	6/26/2013	Se-75	-4.56E-05	3.47E-04	1.01E-03	U
AP	08	332515007	6/26/2013	Th-228	4.53E-04	4.21E-04	6.94E-04	U
AP	08	332515007	6/26/2013	Zn-65	1.53E-03	6.58E-04	2.08E-03	U
AP	08	332515007	6/26/2013	Zr-95	7.15E-05	9.78E-04	3.23E-03	U
AP	08	329425007	7/10/2013	BETA	2.75E-02	1.42E-03	6.89E-04	
AP	08	330436007	7/24/2013	BETA	2.96E-02	1.47E-03	7.36E-04	
AP	08	331291007	8/6/2013	BETA	2.41E-02	1.37E-03	6.87E-04	
AP	08	332164007	8/21/2013	BETA	9.22E-03	7.93E-04	6.06E-04	M
AP	08	332954007	9/4/2013	BETA	4.16E-02	1.74E-03	6.57E-04	
AP	08	333830007	9/18/2013	BETA	3.16E-02	1.51E-03	7.04E-04	
AP	08	334746007	10/2/2013	BETA	2.29E-02	1.28E-03	7.01E-04	
AP	08	336546007	10/2/2013	Ac-228	1.41E-03	7.49E-04	1.92E-03	U
AP	08	336546007	10/2/2013	Ag-108m	-9.83E-05	8.18E-05	2.39E-04	U
AP	08	336546007	10/2/2013	Ag-110m	1.17E-05	1.68E-04	5.62E-04	U
AP	08	336546007	10/2/2013	Ba-140	-2.01E-02	2.94E-02	9.01E-02	U
AP	08	336546007	10/2/2013	Be-7	9.37E-02	8.16E-03	6.95E-03	
AP	08	336546007	10/2/2013	Ce-141	1.52E-03	7.66E-04	1.84E-03	U
AP	08	336546007	10/2/2013	Ce-144	5.44E-04	5.39E-04	1.81E-03	U
AP	08	336546007	10/2/2013	Co-57	-4.25E-05	7.03E-05	2.26E-04	U
AP	08	336546007	10/2/2013	Co-58	6.06E-05	1.77E-04	6.10E-04	U
AP	08	336546007	10/2/2013	Co-60	1.48E-04	1.03E-04	3.79E-04	U
AP	08	336546007	10/2/2013	Cr-51	7.48E-03	5.88E-03	2.01E-02	U
AP	08	336546007	10/2/2013	Cs-134	-1.11E-04	9.95E-05	2.84E-04	U
AP	08	336546007	10/2/2013	Cs-137	-2.00E-04	1.17E-04	2.91E-04	U
AP	08	336546007	10/2/2013	Fe-59	4.69E-04	6.45E-04	2.24E-03	U
AP	08	336546007	10/2/2013	I-131	0.00E+00	1.09E-01	0.00E+00	UI
AP	08	336546007	10/2/2013	K-40	3.79E-03	1.60E-03	3.93E-03	U
AP	08	336546007	10/2/2013	La-140	-1.75E-02	1.02E-02	2.00E-02	U
AP	08	336546007	10/2/2013	Mn-54	1.47E-04	1.34E-04	4.67E-04	U
AP	08	336546007	10/2/2013	Nb-95	2.48E-04	2.69E-04	9.35E-04	U
AP	08	336546007	10/2/2013	Ru-103	7.05E-05	3.41E-04	1.14E-03	U
AP	08	336546007	10/2/2013	Ru-106	-1.42E-03	1.32E-03	3.19E-03	U
AP	08	336546007	10/2/2013	Sb-124	-1.72E-04	6.55E-04	2.08E-03	U
AP	08	336546007	10/2/2013	Sb-125	-8.20E-06	2.64E-04	8.75E-04	U
AP	08	336546007	10/2/2013	Se-75	2.06E-04	2.01E-04	6.52E-04	U
AP	08	336546007	10/2/2013	Th-228	5.98E-04	2.64E-04	6.73E-04	U
AP	08	336546007	10/2/2013	Zn-65	-1.22E-04	2.93E-04	9.11E-04	U
AP	08	336546007	10/2/2013	Zr-95	9.70E-05	4.21E-04	1.44E-03	U
AP	08	335889007	10/16/2013	BETA	3.05E-02	1.37E-03	6.07E-04	
AP	08	336705007	10/30/2013	BETA	2.76E-02	1.29E-03	5.67E-04	
AP	08	337650007	11/13/2013	BETA	2.65E-02	1.26E-03	5.76E-04	
AP	08	338356007	11/26/2013	BETA	2.86E-02	1.36E-03	5.97E-04	
AP	08	339378007	12/11/2013	BETA	2.71E-02	1.27E-03	5.98E-04	
AP	08	339984007	12/26/2013	BETA	3.31E-02	1.38E-03	5.08E-04	
AP	08	341531007	12/26/2013	Ac-228	-1.70E-03	1.31E-03	3.62E-03	U
AP	08	341531007	12/26/2013	Ag-108m	2.48E-05	2.14E-04	6.99E-04	U
AP	08	341531007	12/26/2013	Ag-110m	-2.20E-04	4.48E-04	1.35E-03	U
AP	08	341531007	12/26/2013	Ba-140	-3.99E-02	4.81E-02	1.46E-01	U
AP	08	341531007	12/26/2013	Be-7	9.24E-02	1.22E-02	1.47E-02	
AP	08	341531007	12/26/2013	Ce-141	1.18E-05	1.13E-03	3.66E-03	U
AP	08	341531007	12/26/2013	Ce-144	5.80E-04	1.21E-03	3.61E-03	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m^3)	STD.DEV. (pCi/m^3)	MDC (pCi/m^3)	FLAGS
AP	08	341531007	12/26/2013	Co-57	1.38E-04	1.49E-04	4.99E-04	U
AP	08	341531007	12/26/2013	Co-58	1.69E-04	3.77E-04	1.31E-03	U
AP	08	341531007	12/26/2013	Co-60	-7.04E-07	2.75E-04	8.98E-04	U
AP	08	341531007	12/26/2013	Cr-51	-4.62E-03	1.13E-02	3.62E-02	U
AP	08	341531007	12/26/2013	Cs-134	3.69E-04	4.22E-04	9.66E-04	U
AP	08	341531007	12/26/2013	Cs-137	1.17E-04	2.99E-04	1.02E-03	U
AP	08	341531007	12/26/2013	Fe-59	-1.62E-03	1.40E-03	3.51E-03	U
AP	08	341531007	12/26/2013	I-131	7.55E-02	1.41E-01	4.76E-01	U
AP	08	341531007	12/26/2013	K-40	-4.35E-03	5.02E-03	1.56E-02	U
AP	08	341531007	12/26/2013	La-140	-1.14E-02	1.84E-02	5.39E-02	U
AP	08	341531007	12/26/2013	Mn-54	6.05E-04	3.39E-04	1.21E-03	U
AP	08	341531007	12/26/2013	Nb-95	-9.46E-04	5.48E-04	1.19E-03	U
AP	08	341531007	12/26/2013	Ru-103	-3.03E-04	7.82E-04	2.39E-03	U
AP	08	341531007	12/26/2013	Ru-106	3.27E-03	2.95E-03	9.49E-03	U
AP	08	341531007	12/26/2013	Sb-124	-2.36E-03	2.15E-03	5.77E-03	U
AP	08	341531007	12/26/2013	Sb-125	4.65E-04	7.65E-04	2.56E-03	U
AP	08	341531007	12/26/2013	Se-75	-9.01E-05	3.65E-04	1.20E-03	U
AP	08	341531007	12/26/2013	Th-228	1.30E-06	5.96E-04	1.48E-03	U
AP	08	341531007	12/26/2013	Zn-65	1.27E-04	6.07E-04	2.08E-03	U
AP	08	341531007	12/26/2013	Zr-95	-3.09E-05	1.04E-03	3.41E-03	U
AP	09	318308008	1/9/2013	BETA	4.73E-02	1.80E-03	6.04E-04	
AP	09	319076008	1/23/2013	BETA	2.78E-02	1.38E-03	6.36E-04	
AP	09	320051008	2/6/2013	BETA	2.98E-02	1.42E-03	6.20E-04	
AP	09	320865008	2/20/2013	BETA	2.43E-02	1.30E-03	6.64E-04	
AP	09	321597008	3/6/2013	BETA	1.26E-02	9.47E-04	6.59E-04	
AP	09	322488008	3/20/2013	BETA	2.10E-02	1.22E-03	6.47E-04	
AP	09	324991008	3/20/2013	Ac-228	5.14E-04	9.10E-04	1.77E-03	U
AP	09	324991008	3/20/2013	Ag-108m	5.59E-05	1.05E-04	3.31E-04	U
AP	09	324991008	3/20/2013	Ag-110m	1.30E-04	1.97E-04	6.64E-04	U
AP	09	324991008	3/20/2013	Ba-140	2.83E-02	5.75E-02	1.95E-01	U
AP	09	324991008	3/20/2013	Be-7	8.01E-02	7.84E-03	9.05E-03	
AP	09	324991008	3/20/2013	Ce-141	-1.77E-03	1.00E-03	2.56E-03	U
AP	09	324991008	3/20/2013	Ce-144	1.50E-04	5.67E-04	1.92E-03	U
AP	09	324991008	3/20/2013	Co-57	-9.65E-05	7.52E-05	2.30E-04	U
AP	09	324991008	3/20/2013	Co-58	8.04E-05	2.51E-04	8.34E-04	U
AP	09	324991008	3/20/2013	Co-60	7.60E-05	1.12E-04	3.94E-04	U
AP	09	324991008	3/20/2013	Cr-51	1.15E-02	8.57E-03	2.80E-02	U
AP	09	324991008	3/20/2013	Cs-134	-2.90E-04	1.84E-04	4.28E-04	U
AP	09	324991008	3/20/2013	Cs-137	1.72E-04	1.30E-04	4.41E-04	U
AP	09	324991008	3/20/2013	Fe-59	1.04E-04	7.13E-04	2.42E-03	U
AP	09	324991008	3/20/2013	I-131	-1.38E-01	2.72E-01	0.00E+00	U
AP	09	324991008	3/20/2013	K-40	3.15E-03	1.34E-03	3.77E-03	U
AP	09	324991008	3/20/2013	La-140	7.54E-03	1.41E-02	4.94E-02	U
AP	09	324991008	3/20/2013	Mn-54	2.49E-04	1.25E-04	3.55E-04	U
AP	09	324991008	3/20/2013	Nb-95	3.34E-04	2.75E-04	9.40E-04	U
AP	09	324991008	3/20/2013	Ru-103	-1.01E-03	5.43E-04	1.45E-03	U
AP	09	324991008	3/20/2013	Ru-106	1.35E-03	1.29E-03	4.39E-03	U
AP	09	324991008	3/20/2013	Sb-124	4.29E-04	6.82E-04	2.38E-03	U
AP	09	324991008	3/20/2013	Sb-125	-1.42E-04	2.98E-04	9.51E-04	U
AP	09	324991008	3/20/2013	Se-75	2.36E-05	2.08E-04	6.83E-04	U
AP	09	324991008	3/20/2013	Th-228	7.07E-05	3.07E-04	6.64E-04	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m^3)	STD.DEV. (pCi/m^3)	MDC (pCi/m^3)	FLAGS
AP	09	324991008	3/20/2013	Zn-65	-4.52E-04	3.14E-04	8.34E-04	U
AP	09	324991008	3/20/2013	Zr-95	4.21E-04	4.95E-04	1.69E-03	U
AP	09	323113008	4/3/2013	BETA	1.59E-02	1.08E-03	6.81E-04	
AP	09	324220008	4/17/2013	BETA	2.45E-02	1.35E-03	7.05E-04	
AP	09	325184008	5/1/2013	BETA	2.77E-02	1.42E-03	6.58E-04	
AP	09	326051008	5/15/2013	BETA	2.13E-02	1.22E-03	6.56E-04	
AP	09	326792008	5/29/2013	BETA	1.39E-02	9.82E-04	6.81E-04	
AP	09	327670008	6/12/2013	BETA	1.93E-02	1.16E-03	6.85E-04	
AP	09	328687008	6/25/2013	BETA	2.86E-02	1.47E-03	7.53E-04	
AP	09	332515008	6/26/2013	Ac-228	1.29E-03	6.04E-04	1.61E-03	U
AP	09	332515008	6/26/2013	Ag-108m	2.81E-04	1.70E-04	3.00E-04	U
AP	09	332515008	6/26/2013	Ag-110m	-2.08E-05	1.99E-04	6.55E-04	U
AP	09	332515008	6/26/2013	Ba-140	8.87E-03	2.11E-01	6.92E-01	U
AP	09	332515008	6/26/2013	Be-7	1.20E-01	1.09E-02	1.10E-02	
AP	09	332515008	6/26/2013	Ce-141	-2.25E-04	1.54E-03	4.72E-03	U
AP	09	332515008	6/26/2013	Ce-144	-6.85E-04	5.94E-04	1.80E-03	U
AP	09	332515008	6/26/2013	Co-57	-1.05E-04	7.96E-05	2.37E-04	U
AP	09	332515008	6/26/2013	Co-58	-1.65E-04	2.45E-04	7.53E-04	U
AP	09	332515008	6/26/2013	Co-60	1.83E-05	1.36E-04	4.44E-04	U
AP	09	332515008	6/26/2013	Cr-51	9.33E-03	1.40E-02	4.81E-02	U
AP	09	332515008	6/26/2013	Cs-134	2.04E-04	1.28E-04	4.50E-04	U
AP	09	332515008	6/26/2013	Cs-137	-1.05E-04	1.18E-04	3.30E-04	U
AP	09	332515008	6/26/2013	Fe-59	-1.33E-03	1.29E-03	3.61E-03	U
AP	09	332515008	6/26/2013	I-131	0.00E+00	2.85E+00	0.00E+00	UI
AP	09	332515008	6/26/2013	K-40	1.68E-03	1.70E-03	3.04E-03	U
AP	09	332515008	6/26/2013	La-140	8.57E-02	8.39E-02	3.03E-01	U
AP	09	332515008	6/26/2013	Mn-54	-1.67E-04	1.56E-04	4.65E-04	U
AP	09	332515008	6/26/2013	Nb-95	3.93E-04	3.67E-04	1.17E-03	U
AP	09	332515008	6/26/2013	Ru-103	5.73E-04	7.38E-04	2.51E-03	U
AP	09	332515008	6/26/2013	Ru-106	3.97E-04	1.18E-03	3.58E-03	U
AP	09	332515008	6/26/2013	Sb-124	1.52E-05	1.02E-03	3.37E-03	U
AP	09	332515008	6/26/2013	Sb-125	-1.78E-04	3.72E-04	1.04E-03	U
AP	09	332515008	6/26/2013	Se-75	-7.43E-05	2.60E-04	7.20E-04	U
AP	09	332515008	6/26/2013	Th-228	2.95E-04	2.36E-04	5.21E-04	U
AP	09	332515008	6/26/2013	Zn-65	4.51E-04	3.84E-04	1.21E-03	U
AP	09	332515008	6/26/2013	Zr-95	6.38E-04	6.17E-04	2.17E-03	U
AP	09	329425008	7/10/2013	BETA	3.00E-02	1.41E-03	6.21E-04	
AP	09	330436008	7/24/2013	BETA	3.06E-02	1.46E-03	7.09E-04	
AP	09	331291008	8/6/2013	BETA	2.52E-02	1.38E-03	6.63E-04	
AP	09	332164008	8/21/2013	BETA	9.64E-03	7.98E-04	5.89E-04	M
AP	09	332954008	9/4/2013	BETA	4.32E-02	1.76E-03	6.43E-04	
AP	09	333830008	9/18/2013	BETA	3.20E-02	1.50E-03	6.87E-04	
AP	09	334746008	10/2/2013	BETA	2.42E-02	1.30E-03	6.84E-04	
AP	09	336546008	10/2/2013	Ac-228	-3.57E-04	5.82E-04	1.90E-03	U
AP	09	336546008	10/2/2013	Ag-108m	6.03E-06	8.14E-05	2.52E-04	U
AP	09	336546008	10/2/2013	Ag-110m	2.76E-04	1.95E-04	6.78E-04	U
AP	09	336546008	10/2/2013	Ba-140	4.20E-02	3.29E-02	1.13E-01	U
AP	09	336546008	10/2/2013	Be-7	9.36E-02	8.14E-03	6.66E-03	
AP	09	336546008	10/2/2013	Ce-141	-3.68E-04	4.87E-04	1.53E-03	U
AP	09	336546008	10/2/2013	Ce-144	2.51E-04	4.83E-04	1.48E-03	U
AP	09	336546008	10/2/2013	Co-57	6.63E-06	5.35E-05	1.80E-04	U

Seabrook REMP Summary of 2013 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m^3)	STD.DEV. (pCi/m^3)	MDC (pCi/m^3)	FLAGS
AP	09	336546008	10/2/2013	Co-58	-1.65E-04	1.96E-04	5.82E-04	U
AP	09	336546008	10/2/2013	Co-60	-2.20E-04	1.61E-04	4.08E-04	U
AP	09	336546008	10/2/2013	Cr-51	6.96E-03	5.14E-03	1.78E-02	U
AP	09	336546008	10/2/2013	Cs-134	1.18E-04	1.12E-04	4.02E-04	U
AP	09	336546008	10/2/2013	Cs-137	2.90E-04	1.59E-04	3.33E-04	U
AP	09	336546008	10/2/2013	Fe-59	-7.37E-04	7.54E-04	2.08E-03	U
AP	09	336546008	10/2/2013	I-131	0.00E+00	1.01E-01	0.00E+00	UI
AP	09	336546008	10/2/2013	K-40	7.78E-04	1.91E-03	6.76E-03	U
AP	09	336546008	10/2/2013	La-140	1.66E-02	1.44E-02	5.23E-02	U
AP	09	336546008	10/2/2013	Mn-54	5.01E-05	1.29E-04	4.44E-04	U
AP	09	336546008	10/2/2013	Nb-95	1.16E-04	2.41E-04	8.35E-04	U
AP	09	336546008	10/2/2013	Ru-103	-8.24E-05	4.08E-04	1.32E-03	U
AP	09	336546008	10/2/2013	Ru-106	5.14E-06	1.14E-03	3.69E-03	U
AP	09	336546008	10/2/2013	Sb-124	4.35E-04	4.51E-04	1.77E-03	U
AP	09	336546008	10/2/2013	Sb-125	4.07E-04	3.10E-04	9.65E-04	U
AP	09	336546008	10/2/2013	Se-75	2.16E-04	1.80E-04	5.89E-04	U
AP	09	336546008	10/2/2013	Th-228	3.39E-04	1.99E-04	4.36E-04	U
AP	09	336546008	10/2/2013	Zn-65	-2.58E-05	2.70E-04	8.68E-04	U
AP	09	336546008	10/2/2013	Zr-95	-2.98E-04	4.56E-04	1.43E-03	U
AP	09	335889008	10/16/2013	BETA	3.09E-02	1.36E-03	5.91E-04	
AP	09	336705008	10/30/2013	BETA	2.49E-02	1.21E-03	5.59E-04	
AP	09	337650008	11/13/2013	BETA	2.58E-02	1.23E-03	5.63E-04	
AP	09	338356008	11/26/2013	BETA	2.59E-02	1.28E-03	5.81E-04	
AP	09	339378008	12/11/2013	BETA	3.07E-02	1.33E-03	5.73E-04	
AP	09	339984008	12/26/2013	BETA	3.11E-02	1.29E-03	4.70E-04	
AP	09	341531008	12/26/2013	Ac-228	-7.65E-05	6.63E-04	2.37E-03	U
AP	09	341531008	12/26/2013	Ag-108m	1.73E-04	1.47E-04	5.13E-04	U
AP	09	341531008	12/26/2013	Ag-110m	2.97E-06	2.53E-04	8.43E-04	U
AP	09	341531008	12/26/2013	Ba-140	-1.56E-02	2.87E-02	8.77E-02	U
AP	09	341531008	12/26/2013	Be-7	9.47E-02	8.76E-03	9.66E-03	
AP	09	341531008	12/26/2013	Ce-141	-1.41E-03	8.90E-04	2.46E-03	U
AP	09	341531008	12/26/2013	Ce-144	2.48E-04	7.53E-04	2.54E-03	U
AP	09	341531008	12/26/2013	Co-57	-5.36E-05	1.13E-04	3.63E-04	U
AP	09	341531008	12/26/2013	Co-58	5.30E-04	3.52E-04	1.27E-03	U
AP	09	341531008	12/26/2013	Co-60	-1.44E-04	1.61E-04	3.97E-04	U
AP	09	341531008	12/26/2013	Cr-51	1.61E-02	8.69E-03	2.95E-02	U
AP	09	341531008	12/26/2013	Cs-134	1.10E-04	1.49E-04	5.42E-04	U
AP	09	341531008	12/26/2013	Cs-137	-1.85E-04	1.41E-04	3.39E-04	U
AP	09	341531008	12/26/2013	Fe-59	-5.91E-04	8.89E-04	2.54E-03	U
AP	09	341531008	12/26/2013	I-131	1.89E-01	9.70E-02	3.33E-01	U
AP	09	341531008	12/26/2013	K-40	2.95E-03	2.63E-03	9.52E-03	U
AP	09	341531008	12/26/2013	La-140	-5.17E-03	1.08E-02	3.22E-02	U
AP	09	341531008	12/26/2013	Mn-54	1.66E-04	2.06E-04	7.29E-04	U
AP	09	341531008	12/26/2013	Nb-95	3.16E-04	3.98E-04	1.41E-03	U
AP	09	341531008	12/26/2013	Ru-103	-2.38E-04	5.44E-04	1.71E-03	U
AP	09	341531008	12/26/2013	Ru-106	4.37E-04	1.63E-03	5.40E-03	U
AP	09	341531008	12/26/2013	Sb-124	3.65E-04	6.32E-04	2.39E-03	U
AP	09	341531008	12/26/2013	Sb-125	2.62E-04	4.39E-04	1.51E-03	U
AP	09	341531008	12/26/2013	Se-75	4.87E-05	2.55E-04	8.23E-04	U

Seabrook REMP Summary of 2013 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m^3)	STD.DEV. (pCi/m^3)	MDC (pCi/m^3)	FLAGS
AP	09	341531008	12/26/2013	Th-228	3.93E-04	3.43E-04	9.98E-04	U
AP	09	341531008	12/26/2013	Zn-65	-9.48E-05	6.26E-04	2.03E-03	U
AP	09	341531008	12/26/2013	Zr-95	5.88E-04	5.42E-04	1.99E-03	U

Seabrook REMP Summary of 2013 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m^3)	STD.DEV. (pCi/m^3)	MDC (pCi/m^3)	FLAGS
CF	01	318308009	1/9/2013	I-131	2.32E-03	2.52E-03	8.50E-03	U
CF	01	319076009	1/23/2013	I-131	-3.41E-03	2.54E-03	6.08E-03	U
CF	01	320051009	2/6/2013	I-131	9.19E-04	2.37E-03	7.95E-03	U
CF	01	320865009	2/20/2013	I-131	-3.56E-04	3.44E-03	1.10E-02	U
CF	01	321597009	3/6/2013	I-131	-5.39E-05	3.44E-03	1.13E-02	U
CF	01	322488009	3/20/2013	I-131	3.13E-03	1.98E-03	6.43E-03	U
CF	01	323113009	4/3/2013	I-131	-3.44E-03	2.87E-03	7.43E-03	U
CF	01	324220009	4/17/2013	I-131	5.97E-03	4.55E-03	1.59E-02	U
CF	01	325184009	5/1/2013	I-131	-2.40E-03	3.56E-03	1.11E-02	U
CF	01	326051009	5/15/2013	I-131	-3.27E-03	4.82E-03	1.42E-02	U
CF	01	326792009	5/29/2013	I-131	-2.02E-03	3.28E-03	9.94E-03	U
CF	01	327670009	6/12/2013	I-131	-2.57E-03	2.45E-03	6.47E-03	U
CF	01	328687009	6/26/2013	I-131	8.96E-03	6.42E-03	2.25E-02	U
CF	01	329425009	7/10/2013	I-131	-1.33E-03	3.89E-03	1.24E-02	U
CF	01	330436009	7/24/2013	I-131	3.28E-03	3.26E-03	1.29E-02	U
CF	01	331291009	8/6/2013	I-131	3.49E-03	6.82E-03	2.31E-02	U
CF	01	332164009	8/21/2013	I-131	-1.46E-04	3.14E-03	1.05E-02	U
CF	01	332954009	9/4/2013	I-131	7.10E-04	3.70E-03	1.23E-02	U
CF	01	333830009	9/18/2013	I-131	-2.11E-03	4.61E-03	1.35E-02	U
CF	01	334746009	10/2/2013	I-131	-1.10E-03	2.27E-03	7.00E-03	U
CF	01	335889009	10/16/2013	I-131	1.60E-03	2.47E-03	8.86E-03	U
CF	01	336705009	10/30/2013	I-131	-8.09E-03	5.49E-03	1.33E-02	U
CF	01	337650009	11/13/2013	I-131	4.79E-03	4.23E-03	1.48E-02	U
CF	01	338356009	11/26/2013	I-131	6.39E-04	3.72E-03	1.22E-02	U
CF	01	339378009	12/11/2013	I-131	1.22E-02	6.60E-03	2.34E-02	U
CF	01	339984009	12/26/2013	I-131	-2.81E-03	4.24E-03	1.22E-02	U
CF	02	318308010	1/9/2013	I-131	8.03E-04	1.35E-03	4.59E-03	U
CF	02	319076010	1/23/2013	I-131	2.71E-03	2.71E-03	9.72E-03	U
CF	02	320051010	2/6/2013	I-131	6.29E-03	2.62E-03	8.72E-03	U
CF	02	320865010	2/20/2013	I-131	6.12E-05	2.17E-03	7.20E-03	U
CF	02	321597010	3/6/2013	I-131	-9.02E-05	2.31E-03	7.63E-03	U
CF	02	322488010	3/20/2013	I-131	2.05E-03	1.87E-03	6.32E-03	U
CF	02	323113010	4/3/2013	I-131	3.74E-03	3.22E-03	1.14E-02	U
CF	02	324220010	4/17/2013	I-131	2.02E-03	3.71E-03	1.31E-02	U
CF	02	325184010	5/1/2013	I-131	1.99E-03	2.07E-03	7.16E-03	U
CF	02	326051010	5/15/2013	I-131	6.98E-03	6.66E-03	2.37E-02	U
CF	02	326792010	5/29/2013	I-131	-2.36E-03	2.52E-03	6.92E-03	U
CF	02	327670010	6/12/2013	I-131	4.31E-04	3.68E-03	1.23E-02	U
CF	02	328687010	6/26/2013	I-131	4.22E-03	4.46E-03	1.61E-02	U
CF	02	329425010	7/10/2013	I-131	-3.31E-03	5.59E-03	1.71E-02	U
CF	02	330436010	7/24/2013	I-131	7.46E-03	6.38E-03	2.32E-02	U
CF	02	331291010	8/6/2013	I-131	-5.38E-03	4.09E-03	1.11E-02	U
CF	02	332164010	8/21/2013	I-131	-1.48E-03	4.75E-03	1.49E-02	U
CF	02	332954010	9/4/2013	I-131	3.12E-03	3.24E-03	1.23E-02	U
CF	02	333830010	9/18/2013	I-131	3.69E-03	4.64E-03	1.62E-02	U
CF	02	334746010	10/2/2013	I-131	1.21E-03	2.59E-03	8.58E-03	U
CF	02	335889010	10/16/2013	I-131	-5.09E-05	5.49E-03	1.76E-02	U
CF	02	336705010	10/30/2013	I-131	1.02E-03	3.11E-03	1.07E-02	U
CF	02	337650010	11/13/2013	I-131	-8.49E-03	4.53E-03	1.03E-02	U
CF	02	338356010	11/26/2013	I-131	2.79E-03	4.50E-03	1.42E-02	U
CF	02	339378010	12/11/2013	I-131	-2.42E-03	4.26E-03	1.14E-02	U

Seabrook REMP Summary of 2013 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m^3)	STD.DEV. (pCi/m^3)	MDC (pCi/m^3)	FLAGS
CF	02	339984010	12/26/2013	I-131	-1.10E-03	4.25E-03	1.34E-02	U
CF	03	318308011	1/9/2013	I-131	0.00E+00	4.09E-03	5.30E-03	U
CF	03	319076011	1/23/2013	I-131	2.01E-03	2.35E-03	8.32E-03	U
CF	03	320051011	2/6/2013	I-131	-1.51E-03	2.14E-03	6.53E-03	U
CF	03	320865011	2/20/2013	I-131	8.30E-03	5.71E-03	1.97E-02	U
CF	03	321597011	3/6/2013	I-131	5.18E-03	4.79E-03	1.68E-02	U
CF	03	322488011	3/20/2013	I-131	-7.63E-04	3.45E-03	1.12E-02	U
CF	03	323113011	4/3/2013	I-131	-5.56E-03	4.08E-03	1.05E-02	U
CF	03	324220011	4/17/2013	I-131	1.09E-03	2.86E-03	1.00E-02	U
CF	03	325184011	5/1/2013	I-131	3.55E-03	3.78E-03	1.16E-02	U
CF	03	326051011	5/15/2013	I-131	1.66E-03	3.74E-03	9.56E-03	U
CF	03	326792011	5/29/2013	I-131	2.09E-03	2.69E-03	9.69E-03	U
CF	03	327670011	6/12/2013	I-131	3.31E-03	3.34E-03	1.14E-02	U
CF	03	328687011	6/26/2013	I-131	-5.01E-03	4.91E-03	1.35E-02	U
CF	03	329425011	7/10/2013	I-131	9.99E-03	1.25E-02	4.32E-02	U
CF	03	330436011	7/24/2013	I-131	-3.73E-03	4.92E-03	1.40E-02	U
CF	03	331291011	8/6/2013	I-131	-2.80E-03	2.31E-03	6.29E-03	U
CF	03	332164011	8/21/2013	I-131	4.52E-03	2.96E-03	1.11E-02	U
CF	03	332954011	9/4/2013	I-131	2.89E-04	5.32E-03	1.73E-02	U
CF	03	333830011	9/18/2013	I-131	-8.78E-04	3.38E-03	1.04E-02	U
CF	03	334746011	10/2/2013	I-131	6.21E-03	4.14E-03	1.09E-02	U
CF	03	335889011	10/16/2013	I-131	-2.71E-03	4.01E-03	1.22E-02	U
CF	03	336705011	10/30/2013	I-131	4.03E-03	3.86E-03	1.35E-02	U
CF	03	337650011	11/13/2013	I-131	7.19E-04	6.08E-03	2.02E-02	U
CF	03	338356011	11/26/2013	I-131	-6.32E-03	4.71E-03	1.21E-02	U
CF	03	339378011	12/11/2013	I-131	-1.29E-03	3.97E-03	1.25E-02	U
CF	03	339984011	12/26/2013	I-131	-7.13E-03	5.76E-03	1.44E-02	U
CF	04	318308012	1/9/2013	I-131	-1.74E-03	1.70E-03	5.10E-03	U
CF	04	319076012	1/23/2013	I-131	4.87E-04	5.11E-03	1.70E-02	U
CF	04	320051012	2/6/2013	I-131	-5.26E-03	4.60E-03	1.40E-02	U
CF	04	320865012	2/20/2013	I-131	-9.95E-04	3.43E-03	1.12E-02	U
CF	04	321597012	3/6/2013	I-131	-5.15E-03	3.45E-03	8.85E-03	U
CF	04	322488012	3/20/2013	I-131	-2.23E-03	3.54E-03	1.14E-02	U
CF	04	323113012	4/3/2013	I-131	-5.37E-03	4.05E-03	1.04E-02	U
CF	04	324220012	4/17/2013	I-131	2.22E-03	3.44E-03	1.20E-02	U
CF	04	325184012	5/1/2013	I-131	-2.96E-04	2.11E-03	6.84E-03	U
CF	04	326051012	5/15/2013	I-131	3.49E-03	2.95E-03	1.01E-02	U
CF	04	326792012	5/29/2013	I-131	-1.57E-03	4.28E-03	1.35E-02	U
CF	04	327670012	6/12/2013	I-131	-1.43E-03	3.05E-03	9.24E-03	U
CF	04	328687012	6/26/2013	I-131	1.61E-04	5.93E-03	2.00E-02	U
CF	04	329425012	7/10/2013	I-131	8.90E-03	5.17E-03	1.94E-02	U
CF	04	330436012	7/24/2013	I-131	-1.96E-02	8.96E-03	1.40E-02	U
CF	04	331291012	8/6/2013	I-131	-9.02E-03	4.49E-03	1.04E-02	U
CF	04	332164012	8/21/2013	I-131	1.78E-03	3.66E-03	1.29E-02	U
CF	04	332954012	9/4/2013	I-131	-8.85E-03	4.89E-03	7.79E-03	U
CF	04	333830012	9/18/2013	I-131	-7.25E-04	4.51E-03	1.43E-02	U
CF	04	334746012	10/2/2013	I-131	-6.17E-03	4.30E-03	1.17E-02	U
CF	04	335889012	10/16/2013	I-131	-3.53E-04	3.02E-03	9.90E-03	U
CF	04	336705012	10/30/2013	I-131	-4.38E-04	2.86E-03	8.97E-03	U
CF	04	337650012	11/13/2013	I-131	-1.32E-03	3.26E-03	1.04E-02	U
CF	04	338356012	11/26/2013	I-131	-8.71E-04	3.73E-03	1.16E-02	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m^3)	STD.DEV. (pCi/m^3)	MDC (pCi/m^3)	FLAGS
CF	04	339378012	12/11/2013	I-131	0.00E+00	4.08E-03	9.39E-03	U
CF	04	339984012	12/26/2013	I-131	8.76E-03	4.24E-03	1.62E-02	U
CF	05	318308013	1/9/2013	I-131	2.59E-03	1.96E-03	6.74E-03	U
CF	05	319076013	1/23/2013	I-131	2.64E-03	2.55E-03	9.11E-03	U
CF	05	320051013	2/6/2013	I-131	1.33E-03	1.98E-03	6.84E-03	U
CF	05	320865013	2/20/2013	I-131	-3.81E-04	1.90E-03	6.16E-03	U
CF	05	321597013	3/6/2013	I-131	3.10E-03	2.81E-03	9.85E-03	U
CF	05	322488013	3/20/2013	I-131	8.52E-05	1.43E-03	4.80E-03	U
CF	05	323113013	4/3/2013	I-131	-1.07E-03	1.99E-03	6.13E-03	U
CF	05	324220013	4/17/2013	I-131	-8.36E-03	6.29E-03	1.67E-02	U
CF	05	325184013	5/1/2013	I-131	-2.13E-03	2.71E-03	8.06E-03	U
CF	05	326051013	5/15/2013	I-131	8.06E-05	2.57E-03	8.68E-03	U
CF	05	326792013	5/29/2013	I-131	-3.34E-03	3.12E-03	9.01E-03	U
CF	05	327670013	6/12/2013	I-131	-3.30E-03	2.94E-03	8.33E-03	U
CF	05	328687013	6/26/2013	I-131	6.49E-04	3.58E-03	1.22E-02	U
CF	05	329425013	7/10/2013	I-131	-5.57E-03	3.44E-03	9.37E-03	U
CF	05	330436013	7/24/2013	I-131	-4.92E-03	4.23E-03	1.05E-02	U
CF	05	331291013	8/6/2013	I-131	-2.05E-04	3.56E-03	1.15E-02	U
CF	05	332164013	8/21/2013	I-131	4.99E-04	4.00E-03	1.35E-02	U
CF	05	332954013	9/4/2013	I-131	-4.38E-03	4.11E-03	1.06E-02	U
CF	05	333830013	9/18/2013	I-131	-5.15E-03	5.95E-03	1.73E-02	U
CF	05	334746013	10/2/2013	I-131	-8.24E-04	2.00E-03	6.31E-03	U
CF	05	335889013	10/16/2013	I-131	2.27E-03	3.70E-03	1.32E-02	U
CF	05	336705013	10/30/2013	I-131	-5.03E-03	4.69E-03	1.28E-02	U
CF	05	337650013	11/13/2013	I-131	4.88E-03	3.05E-03	1.06E-02	U
CF	05	338356013	11/26/2013	I-131	-5.84E-03	4.50E-03	1.13E-02	U
CF	05	339378013	12/11/2013	I-131	-4.54E-03	3.95E-03	1.13E-02	U
CF	05	339984013	12/26/2013	I-131	4.33E-03	4.12E-03	1.53E-02	U
CF	07	318308014	1/9/2013	I-131	-2.35E-05	1.57E-03	5.24E-03	U
CF	07	319076014	1/23/2013	I-131	3.93E-03	3.38E-03	1.19E-02	U
CF	07	320051014	2/6/2013	I-131	-4.46E-03	3.76E-03	1.07E-02	U
CF	07	320865014	2/20/2013	I-131	-1.66E-03	3.59E-03	1.11E-02	U
CF	07	321597014	3/6/2013	I-131	-1.49E-03	3.99E-03	1.24E-02	U
CF	07	322488014	3/20/2013	I-131	-1.06E-03	3.60E-03	1.17E-02	U
CF	07	323113014	4/3/2013	I-131	-3.92E-03	3.66E-03	1.02E-02	U
CF	07	324220014	4/17/2013	I-131	1.38E-04	4.16E-03	1.35E-02	U
CF	07	325184014	5/1/2013	I-131	1.14E-03	2.16E-03	7.45E-03	U
CF	07	326051014	5/15/2013	I-131	-1.10E-03	2.92E-03	9.31E-03	U
CF	07	326792014	5/29/2013	I-131	2.12E-03	3.06E-03	1.09E-02	U
CF	07	327670014	6/12/2013	I-131	1.14E-03	2.58E-03	8.81E-03	U
CF	07	328687014	6/26/2013	I-131	1.97E-03	4.60E-03	1.59E-02	U
CF	07	329425014	7/10/2013	I-131	9.57E-05	6.03E-03	2.02E-02	U
CF	07	330436014	7/24/2013	I-131	-3.58E-03	3.98E-03	1.13E-02	U
CF	07	331291014	8/6/2013	I-131	2.31E-03	2.96E-03	1.03E-02	U
CF	07	332164014	8/21/2013	I-131	5.53E-03	3.26E-03	1.15E-02	U
CF	07	332954014	9/4/2013	I-131	-5.32E-03	5.15E-03	1.30E-02	U
CF	07	333830014	9/18/2013	I-131	1.39E-03	3.55E-03	1.25E-02	U
CF	07	334746014	10/2/2013	I-131	-1.91E-03	2.71E-03	6.75E-03	U
CF	07	335889014	10/16/2013	I-131	-6.24E-03	6.67E-03	1.78E-02	U
CF	07	336705014	10/30/2013	I-131	4.42E-03	2.89E-03	1.07E-02	U
CF	07	337650014	11/13/2013	I-131	2.80E-03	3.50E-03	1.25E-02	U

Seabrook REMP Summary of 2013 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m^3)	STD.DEV. (pCi/m^3)	MDC (pCi/m^3)	FLAGS
CF	07	338356014	11/26/2013	I-131	-1.67E-03	2.57E-03	7.98E-03	U
CF	07	339378014	12/11/2013	I-131	1.28E-03	3.21E-03	1.07E-02	U
CF	07	339984014	12/26/2013	I-131	-9.09E-04	2.98E-03	9.18E-03	U
CF	08	318308015	1/9/2013	I-131	1.06E-03	1.85E-03	6.17E-03	U
CF	08	319076015	1/23/2013	I-131	3.77E-03	2.81E-03	8.08E-03	U
CF	08	320051015	2/6/2013	I-131	0.00E+00	2.96E-03	7.06E-03	U
CF	08	320865015	2/20/2013	I-131	-3.07E-03	2.53E-03	7.20E-03	U
CF	08	321597015	3/6/2013	I-131	1.99E-03	2.41E-03	7.38E-03	U
CF	08	322488015	3/20/2013	I-131	2.58E-03	2.00E-03	6.89E-03	U
CF	08	323113015	4/3/2013	I-131	-2.18E-03	2.25E-03	6.12E-03	U
CF	08	324220015	4/17/2013	I-131	2.20E-03	3.38E-03	1.21E-02	U
CF	08	325184015	5/1/2013	I-131	1.20E-03	3.96E-03	1.34E-02	U
CF	08	326051015	5/15/2013	I-131	1.02E-03	2.15E-03	7.43E-03	U
CF	08	326792015	5/29/2013	I-131	2.04E-03	5.48E-03	1.85E-02	U
CF	08	327670015	6/12/2013	I-131	-1.49E-03	2.21E-03	6.62E-03	U
CF	08	328687015	6/26/2013	I-131	-1.43E-03	5.60E-03	1.83E-02	U
CF	08	329425015	7/10/2013	I-131	1.20E-04	9.52E-03	3.12E-02	U
CF	08	330436015	7/24/2013	I-131	-9.53E-03	6.36E-03	1.48E-02	U
CF	08	331291015	8/6/2013	I-131	-5.18E-03	3.32E-03	8.41E-03	U
CF	08	332164015	8/21/2013	I-131	2.06E-03	2.35E-03	8.09E-03	U
CF	08	332954015	9/4/2013	I-131	1.73E-03	3.78E-03	1.29E-02	U
CF	08	333830015	9/18/2013	I-131	-6.07E-03	3.76E-03	7.42E-03	U
CF	08	334746015	10/2/2013	I-131	-1.98E-03	2.64E-03	8.02E-03	U
CF	08	335889015	10/16/2013	I-131	2.77E-03	3.81E-03	1.42E-02	U
CF	08	336705015	10/30/2013	I-131	-1.28E-03	2.64E-03	8.11E-03	U
CF	08	337650015	11/13/2013	I-131	-8.94E-04	3.50E-03	1.11E-02	U
CF	08	338356015	11/26/2013	I-131	1.72E-03	3.92E-03	1.37E-02	U
CF	08	339378015	12/11/2013	I-131	3.81E-04	4.13E-03	1.40E-02	U
CF	08	339984015	12/26/2013	I-131	-1.55E-03	4.84E-03	1.56E-02	U
CF	09	318308016	1/9/2013	I-131	3.91E-04	1.61E-03	5.35E-03	U
CF	09	319076016	1/23/2013	I-131	-1.85E-03	2.86E-03	8.64E-03	U
CF	09	320051016	2/6/2013	I-131	-2.63E-03	2.17E-03	5.84E-03	U
CF	09	320865016	2/20/2013	I-131	1.46E-04	3.79E-03	1.23E-02	U
CF	09	321597016	3/6/2013	I-131	1.25E-03	3.13E-03	1.03E-02	U
CF	09	322488016	3/20/2013	I-131	8.42E-04	2.12E-03	7.26E-03	U
CF	09	323113016	4/3/2013	I-131	-2.50E-03	3.10E-03	8.96E-03	U
CF	09	324220016	4/17/2013	I-131	-5.88E-04	2.92E-03	9.38E-03	U
CF	09	325184016	5/1/2013	I-131	4.74E-04	2.18E-03	7.36E-03	U
CF	09	326051016	5/15/2013	I-131	7.49E-03	4.16E-03	1.31E-02	U
CF	09	326792016	5/29/2013	I-131	-3.02E-03	3.15E-03	9.10E-03	U
CF	09	327670016	6/12/2013	I-131	-6.53E-04	2.66E-03	8.64E-03	U
CF	09	328687016	6/25/2013	I-131	4.99E-03	5.00E-03	1.76E-02	U
CF	09	329425016	7/10/2013	I-131	-2.91E-05	3.93E-03	1.30E-02	U
CF	09	330436016	7/24/2013	I-131	8.43E-03	5.44E-03	2.05E-02	U
CF	09	331291016	8/6/2013	I-131	-1.80E-04	3.31E-03	1.09E-02	U
CF	09	332164016	8/21/2013	I-131	1.10E-03	2.47E-03	7.38E-03	U
CF	09	332954016	9/4/2013	I-131	-7.10E-03	3.76E-03	5.73E-03	U
CF	09	333830016	9/18/2013	I-131	3.62E-03	4.54E-03	1.65E-02	U
CF	09	334746016	10/2/2013	I-131	-1.38E-03	2.04E-03	6.37E-03	U
CF	09	335889016	10/16/2013	I-131	2.96E-03	3.91E-03	1.44E-02	U
CF	09	336705016	10/30/2013	I-131	-7.03E-03	5.60E-03	1.59E-02	U

Seabrook REMP Summary of 2013 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m^3)	STD.DEV. (pCi/m^3)	MDC (pCi/m^3)	FLAGS
CF	09	337650016	11/13/2013	I-131	1.92E-03	2.66E-03	9.17E-03	U
CF	09	338356016	11/26/2013	I-131	4.75E-03	3.02E-03	1.11E-02	U
CF	09	339378016	12/11/2013	I-131	3.07E-03	3.27E-03	1.14E-02	U
CF	09	339984016	12/26/2013	I-131	-9.49E-03	7.20E-03	1.92E-02	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
FH	03	322292001	3/11/2013	Ac-228	2.19E+00	1.49E+01	2.73E+01	U
FH	03	322292001	3/11/2013	Ag-108m	-2.26E+00	1.97E+00	6.15E+00	U
FH	03	322292001	3/11/2013	Ag-110m	-6.35E+00	3.33E+00	9.33E+00	U
FH	03	322292001	3/11/2013	Ba-140	-6.87E+00	1.39E+01	4.47E+01	U
FH	03	322292001	3/11/2013	Be-7	6.15E-01	2.36E+01	6.75E+01	U
FH	03	322292001	3/11/2013	Bi-214	6.51E-01	8.62E+00	1.57E+01	U
FH	03	322292001	3/11/2013	Ce-141	4.45E+00	4.06E+00	1.16E+01	U
FH	03	322292001	3/11/2013	Ce-144	6.28E-01	1.17E+01	3.87E+01	U
FH	03	322292001	3/11/2013	Co-57	1.61E-01	1.46E+00	4.85E+00	U
FH	03	322292001	3/11/2013	Co-58	-1.19E+00	2.36E+00	7.75E+00	U
FH	03	322292001	3/11/2013	Co-60	2.64E+00	2.42E+00	8.08E+00	U
FH	03	322292001	3/11/2013	Cr-51	1.02E+01	2.16E+01	7.26E+01	U
FH	03	322292001	3/11/2013	Cs-134	3.99E+00	2.47E+00	7.92E+00	U
FH	03	322292001	3/11/2013	Cs-137	-1.92E-02	2.44E+00	7.88E+00	U
FH	03	322292001	3/11/2013	Fe-59	-8.30E+00	5.44E+00	1.58E+01	U
FH	03	322292001	3/11/2013	I-131	8.00E+00	5.64E+00	1.82E+01	U
FH	03	322292001	3/11/2013	K-40	2.35E+03	1.35E+02	6.90E+01	
FH	03	322292001	3/11/2013	La-140	5.19E+00	4.01E+00	1.33E+01	U
FH	03	322292001	3/11/2013	Mn-54	1.62E+00	2.22E+00	7.39E+00	U
FH	03	322292001	3/11/2013	Nb-95	4.87E+00	2.59E+00	8.12E+00	U
FH	03	322292001	3/11/2013	Pb-212	2.44E+00	6.43E+00	1.37E+01	U
FH	03	322292001	3/11/2013	Pb-214	-1.41E+01	8.75E+00	1.66E+01	U
FH	03	322292001	3/11/2013	Ra-226	6.51E-01	8.62E+00	1.57E+01	U
FH	03	322292001	3/11/2013	Ru-103	8.63E-01	2.85E+00	8.15E+00	U
FH	03	322292001	3/11/2013	Ru-106	4.00E+01	2.24E+01	6.85E+01	U
FH	03	322292001	3/11/2013	Sb-124	6.60E+00	5.88E+00	1.70E+01	U
FH	03	322292001	3/11/2013	Sb-125	-1.19E+00	5.93E+00	1.96E+01	U
FH	03	322292001	3/11/2013	Se-75	6.38E-01	2.90E+00	9.33E+00	U
FH	03	322292001	3/11/2013	Th-228	2.44E+00	6.43E+00	1.37E+01	U
FH	03	322292001	3/11/2013	Th-230	6.51E-01	8.62E+00	1.57E+01	U
FH	03	322292001	3/11/2013	Tl-208	4.11E+00	5.28E+00	7.48E+00	U
FH	03	322292001	3/11/2013	Zn-65	-5.13E+00	5.37E+00	1.67E+01	U
FH	03	322292001	3/11/2013	Zr-95	5.00E+00	4.22E+00	1.40E+01	U
FH	03	326868001	5/20/2013	Ac-228	0.00E+00	8.03E+00	1.44E+01	U
FH	03	326868001	5/20/2013	Ag-108m	-7.57E-01	9.34E-01	2.94E+00	U
FH	03	326868001	5/20/2013	Ag-110m	-2.14E+00	1.61E+00	4.85E+00	U
FH	03	326868001	5/20/2013	Ba-140	1.16E+01	1.04E+01	3.33E+01	U
FH	03	326868001	5/20/2013	Be-7	7.46E+00	1.12E+01	3.65E+01	U
FH	03	326868001	5/20/2013	Bi-214	0.00E+00	4.30E+00	7.29E+00	U
FH	03	326868001	5/20/2013	Ce-141	0.00E+00	3.20E+00	6.92E+00	U
FH	03	326868001	5/20/2013	Ce-144	4.64E+00	6.90E+00	2.20E+01	U
FH	03	326868001	5/20/2013	Co-57	-1.01E+00	9.58E-01	2.93E+00	U
FH	03	326868001	5/20/2013	Co-58	1.87E+00	1.34E+00	4.03E+00	U
FH	03	326868001	5/20/2013	Co-60	7.87E-01	1.23E+00	4.02E+00	U
FH	03	326868001	5/20/2013	Cr-51	2.31E+01	1.52E+01	4.07E+01	U
FH	03	326868001	5/20/2013	Cs-134	-1.99E-01	1.19E+00	3.96E+00	U
FH	03	326868001	5/20/2013	Cs-137	1.73E+00	1.18E+00	3.87E+00	U
FH	03	326868001	5/20/2013	Fe-59	1.19E+00	3.25E+00	1.07E+01	U
FH	03	326868001	5/20/2013	I-131	-8.00E-01	4.68E+00	1.53E+01	U
FH	03	326868001	5/20/2013	K-40	3.45E+03	1.65E+02	3.27E+01	
FH	03	326868001	5/20/2013	La-140	2.50E+00	2.88E+00	9.78E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
FH	03	326868001	5/20/2013	Mn-54	2.56E-01	1.16E+00	3.88E+00	U
FH	03	326868001	5/20/2013	Nb-95	-1.59E-01	1.45E+00	4.19E+00	U
FH	03	326868001	5/20/2013	Pb-212	0.00E+00	3.66E+00	7.01E+00	U
FH	03	326868001	5/20/2013	Pb-214	7.29E+00	3.57E+00	8.24E+00	U
FH	03	326868001	5/20/2013	Ra-226	0.00E+00	4.30E+00	7.29E+00	U
FH	03	326868001	5/20/2013	Ru-103	-4.37E-01	1.34E+00	4.29E+00	U
FH	03	326868001	5/20/2013	Ru-106	1.41E+01	1.04E+01	3.26E+01	U
FH	03	326868001	5/20/2013	Sb-124	-2.79E+00	2.75E+00	8.42E+00	U
FH	03	326868001	5/20/2013	Sb-125	-3.46E+00	3.42E+00	9.21E+00	U
FH	03	326868001	5/20/2013	Se-75	2.73E+00	1.56E+00	4.91E+00	U
FH	03	326868001	5/20/2013	Th-228	0.00E+00	3.66E+00	7.01E+00	U
FH	03	326868001	5/20/2013	Th-230	0.00E+00	4.30E+00	7.29E+00	U
FH	03	326868001	5/20/2013	Tl-208	0.00E+00	1.72E+00	3.43E+00	U
FH	03	326868001	5/20/2013	Zn-65	-2.21E+00	3.05E+00	9.59E+00	U
FH	03	326868001	5/20/2013	Zr-95	-1.00E+00	2.14E+00	7.03E+00	U
FH	03	332271001	8/20/2013	Ac-228	1.12E+01	2.07E+01	2.90E+01	U
FH	03	332271001	8/20/2013	Ag-108m	-1.89E+00	1.67E+00	4.98E+00	U
FH	03	332271001	8/20/2013	Ag-110m	3.60E-01	2.88E+00	9.58E+00	U
FH	03	332271001	8/20/2013	Ba-140	-1.15E+01	1.56E+01	4.78E+01	U
FH	03	332271001	8/20/2013	Be-7	7.95E+00	1.82E+01	6.00E+01	U
FH	03	332271001	8/20/2013	Bi-214	1.50E-01	4.64E+00	1.41E+01	U
FH	03	332271001	8/20/2013	Ce-141	4.72E+00	3.81E+00	1.20E+01	U
FH	03	332271001	8/20/2013	Ce-144	1.05E+01	1.20E+01	3.83E+01	U
FH	03	332271001	8/20/2013	Co-57	-3.56E-01	1.50E+00	4.75E+00	U
FH	03	332271001	8/20/2013	Co-58	2.67E+00	2.11E+00	7.14E+00	U
FH	03	332271001	8/20/2013	Co-60	2.76E+00	2.42E+00	8.08E+00	U
FH	03	332271001	8/20/2013	Cr-51	1.15E+01	2.24E+01	7.51E+01	U
FH	03	332271001	8/20/2013	Cs-134	4.06E+00	2.38E+00	7.87E+00	U
FH	03	332271001	8/20/2013	Cs-137	4.05E+00	2.22E+00	7.33E+00	U
FH	03	332271001	8/20/2013	Fe-59	3.95E+00	7.05E+00	2.05E+01	U
FH	03	332271001	8/20/2013	I-131	2.48E+00	7.42E+00	2.47E+01	U
FH	03	332271001	8/20/2013	K-40	3.65E+03	1.96E+02	5.36E+01	
FH	03	332271001	8/20/2013	La-140	-6.76E+00	4.13E+00	1.00E+01	U
FH	03	332271001	8/20/2013	Mn-54	-1.38E+00	2.12E+00	5.73E+00	U
FH	03	332271001	8/20/2013	Nb-95	4.62E+00	2.33E+00	7.58E+00	U
FH	03	332271001	8/20/2013	Pb-212	2.23E+00	4.76E+00	1.14E+01	U
FH	03	332271001	8/20/2013	Pb-214	5.88E+00	6.31E+00	1.58E+01	U
FH	03	332271001	8/20/2013	Ra-226	1.50E-01	4.64E+00	1.41E+01	U
FH	03	332271001	8/20/2013	Ru-103	6.82E-01	2.16E+00	7.08E+00	U
FH	03	332271001	8/20/2013	Ru-106	1.96E+01	1.84E+01	6.00E+01	U
FH	03	332271001	8/20/2013	Sb-124	-1.43E+00	4.05E+00	1.29E+01	U
FH	03	332271001	8/20/2013	Sb-125	-3.57E+00	5.25E+00	1.65E+01	U
FH	03	332271001	8/20/2013	Se-75	-3.24E+00	2.66E+00	8.22E+00	U
FH	03	332271001	8/20/2013	Th-228	2.23E+00	4.76E+00	1.14E+01	U
FH	03	332271001	8/20/2013	Th-230	1.50E-01	4.64E+00	1.41E+01	U
FH	03	332271001	8/20/2013	Tl-208	1.83E+00	2.38E+00	7.31E+00	U
FH	03	332271001	8/20/2013	Zn-65	-1.47E+00	5.72E+00	1.58E+01	U
FH	03	332271001	8/20/2013	Zr-95	2.83E+00	4.03E+00	1.37E+01	U
FH	03	332456001	8/27/2013	Ac-228	3.55E+01	2.85E+01	5.21E+01	U
FH	03	332456001	8/27/2013	Ag-108m	5.49E-01	2.74E+00	9.13E+00	U
FH	03	332456001	8/27/2013	Ag-110m	3.69E+00	4.55E+00	1.53E+01	U

Seabrook REMP Summary of 2013 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
FH	03	332456001	8/27/2013	Ba-140	5.87E+01	3.12E+01	7.84E+01	U
FH	03	332456001	8/27/2013	Be-7	-1.83E+00	2.82E+01	9.27E+01	U
FH	03	332456001	8/27/2013	Bi-214	2.10E+01	1.50E+01	2.94E+01	U
FH	03	332456001	8/27/2013	Ce-141	-9.77E+00	7.93E+00	1.86E+01	U
FH	03	332456001	8/27/2013	Ce-144	-1.40E+01	1.78E+01	5.71E+01	U
FH	03	332456001	8/27/2013	Co-57	-1.61E+00	2.33E+00	7.55E+00	U
FH	03	332456001	8/27/2013	Co-58	-1.69E+00	3.38E+00	1.10E+01	U
FH	03	332456001	8/27/2013	Co-60	-1.52E+00	3.55E+00	1.11E+01	U
FH	03	332456001	8/27/2013	Cr-51	3.10E+01	4.62E+01	1.21E+02	U
FH	03	332456001	8/27/2013	Cs-134	-1.55E+00	3.21E+00	1.05E+01	U
FH	03	332456001	8/27/2013	Cs-137	6.78E+00	3.67E+00	1.15E+01	U
FH	03	332456001	8/27/2013	Fe-59	-7.12E+00	8.20E+00	2.12E+01	U
FH	03	332456001	8/27/2013	I-131	-9.25E+00	1.25E+01	3.19E+01	U
FH	03	332456001	8/27/2013	K-40	2.55E+03	1.65E+02	1.22E+02	
FH	03	332456001	8/27/2013	La-140	-4.79E+00	7.01E+00	2.19E+01	U
FH	03	332456001	8/27/2013	Mn-54	2.77E+00	3.75E+00	1.12E+01	U
FH	03	332456001	8/27/2013	Nb-95	-3.01E+00	3.49E+00	1.12E+01	U
FH	03	332456001	8/27/2013	Pb-212	-8.15E+00	8.91E+00	2.24E+01	U
FH	03	332456001	8/27/2013	Pb-214	1.42E+01	1.35E+01	2.79E+01	U
FH	03	332456001	8/27/2013	Ra-226	2.10E+01	1.50E+01	2.94E+01	U
FH	03	332456001	8/27/2013	Ru-103	4.45E+00	3.67E+00	1.21E+01	U
FH	03	332456001	8/27/2013	Ru-106	-1.64E+00	2.74E+01	8.83E+01	U
FH	03	332456001	8/27/2013	Sb-124	-1.82E+00	6.96E+00	2.25E+01	U
FH	03	332456001	8/27/2013	Sb-125	9.21E+00	8.96E+00	2.98E+01	U
FH	03	332456001	8/27/2013	Se-75	-3.34E+00	4.62E+00	1.43E+01	U
FH	03	332456001	8/27/2013	Th-228	-8.15E+00	8.91E+00	2.24E+01	U
FH	03	332456001	8/27/2013	Th-230	2.10E+01	1.50E+01	2.94E+01	U
FH	03	332456001	8/27/2013	Tl-208	3.26E+00	6.75E+00	9.61E+00	U
FH	03	332456001	8/27/2013	Zn-65	-6.73E+00	7.93E+00	2.44E+01	U
FH	03	332456001	8/27/2013	Zr-95	-6.43E+00	6.15E+00	1.93E+01	U
FH	03	338542001	11/25/2013	Ac-228	2.95E+01	3.57E+01	1.24E+02	U
FH	03	338542001	11/25/2013	Ag-108m	7.69E+00	6.92E+00	2.44E+01	U
FH	03	338542001	11/25/2013	Ag-110m	1.97E+01	1.10E+01	3.76E+01	U
FH	03	338542001	11/25/2013	Ba-140	-1.27E+02	6.62E+01	1.60E+02	U
FH	03	338542001	11/25/2013	Be-7	-7.99E+00	6.83E+01	2.28E+02	U
FH	03	338542001	11/25/2013	Bi-214	2.43E+01	2.28E+01	6.73E+01	U
FH	03	338542001	11/25/2013	Ce-141	-8.43E+00	1.48E+01	4.15E+01	U
FH	03	338542001	11/25/2013	Ce-144	6.22E+01	5.06E+01	1.33E+02	U
FH	03	338542001	11/25/2013	Co-57	5.16E+00	5.31E+00	1.83E+01	U
FH	03	338542001	11/25/2013	Co-58	1.16E+01	7.37E+00	2.69E+01	U
FH	03	338542001	11/25/2013	Co-60	7.29E+00	1.00E+01	3.53E+01	U
FH	03	338542001	11/25/2013	Cr-51	1.40E+02	8.30E+01	2.81E+02	U
FH	03	338542001	11/25/2013	Cs-134	1.45E+01	8.00E+00	2.91E+01	U
FH	03	338542001	11/25/2013	Cs-137	8.29E+00	9.00E+00	3.13E+01	U
FH	03	338542001	11/25/2013	Fe-59	-9.57E+00	1.83E+01	5.71E+01	U
FH	03	338542001	11/25/2013	I-131	-5.62E+01	2.75E+01	6.07E+01	U
FH	03	338542001	11/25/2013	K-40	2.18E+03	2.65E+02	1.40E+02	
FH	03	338542001	11/25/2013	La-140	1.60E+00	1.30E+01	4.37E+01	U
FH	03	338542001	11/25/2013	Mn-54	5.85E+00	8.80E+00	3.01E+01	U
FH	03	338542001	11/25/2013	Nb-95	3.61E+00	9.37E+00	2.80E+01	U
FH	03	338542001	11/25/2013	Pb-212	5.22E+00	1.45E+01	4.88E+01	U

Seabrook REMP Summary of 2013 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
FH	03	338542001	11/25/2013	Pb-214	-5.41E+00	1.81E+01	5.87E+01	U
FH	03	338542001	11/25/2013	Ra-226	2.43E+01	2.28E+01	6.73E+01	U
FH	03	338542001	11/25/2013	Ru-103	-1.18E+01	9.76E+00	2.83E+01	U
FH	03	338542001	11/25/2013	Ru-106	5.72E+01	6.40E+01	2.26E+02	U
FH	03	338542001	11/25/2013	Sb-124	-1.52E+01	2.03E+01	5.55E+01	U
FH	03	338542001	11/25/2013	Sb-125	8.14E+00	2.29E+01	7.49E+01	U
FH	03	338542001	11/25/2013	Se-75	-6.89E+00	9.84E+00	3.02E+01	U
FH	03	338542001	11/25/2013	Th-228	5.22E+00	1.45E+01	4.88E+01	U
FH	03	338542001	11/25/2013	Th-230	2.43E+01	2.28E+01	6.73E+01	U
FH	03	338542001	11/25/2013	Tl-208	1.04E+01	9.32E+00	3.19E+01	U
FH	03	338542001	11/25/2013	Zn-65	-1.16E+01	1.94E+01	6.02E+01	U
FH	03	338542001	11/25/2013	Zr-95	9.30E+00	1.59E+01	5.47E+01	U
FH	03	338542002	12/2/2013	Ac-228	-8.15E+01	7.24E+01	2.24E+02	U
FH	03	338542002	12/2/2013	Ag-108m	-6.24E+00	1.39E+01	4.36E+01	U
FH	03	338542002	12/2/2013	Ag-110m	1.64E+01	1.90E+01	6.48E+01	U
FH	03	338542002	12/2/2013	Ba-140	5.77E+01	7.49E+01	2.43E+02	U
FH	03	338542002	12/2/2013	Be-7	1.15E+02	1.25E+02	4.20E+02	U
FH	03	338542002	12/2/2013	Bi-214	-7.12E+01	4.19E+01	1.19E+02	U
FH	03	338542002	12/2/2013	Ce-141	-1.80E+01	2.43E+01	6.94E+01	U
FH	03	338542002	12/2/2013	Ce-144	-2.67E+01	8.48E+01	2.75E+02	U
FH	03	338542002	12/2/2013	Co-57	-5.82E+00	9.85E+00	3.13E+01	U
FH	03	338542002	12/2/2013	Co-58	-4.19E+00	1.56E+01	4.99E+01	U
FH	03	338542002	12/2/2013	Co-60	2.12E+00	1.51E+01	4.96E+01	U
FH	03	338542002	12/2/2013	Cr-51	-1.91E+02	1.65E+02	4.13E+02	U
FH	03	338542002	12/2/2013	Cs-134	9.15E+00	1.81E+01	6.06E+01	U
FH	03	338542002	12/2/2013	Cs-137	3.16E+01	1.93E+01	5.95E+01	U
FH	03	338542002	12/2/2013	Fe-59	2.10E+01	2.73E+01	9.50E+01	U
FH	03	338542002	12/2/2013	I-131	-2.91E+01	2.70E+01	7.97E+01	U
FH	03	338542002	12/2/2013	K-40	3.21E+03	3.90E+02	5.51E+02	
FH	03	338542002	12/2/2013	La-140	-3.65E+01	1.94E+01	2.92E+01	U
FH	03	338542002	12/2/2013	Mn-54	-1.52E+01	1.47E+01	4.16E+01	U
FH	03	338542002	12/2/2013	Nb-95	9.05E+00	1.58E+01	4.70E+01	U
FH	03	338542002	12/2/2013	Pb-212	1.01E+01	3.13E+01	1.08E+02	U
FH	03	338542002	12/2/2013	Pb-214	-1.05E+01	3.38E+01	1.10E+02	U
FH	03	338542002	12/2/2013	Ra-226	-7.12E+01	4.19E+01	1.19E+02	U
FH	03	338542002	12/2/2013	Ru-103	1.70E+01	1.77E+01	5.28E+01	U
FH	03	338542002	12/2/2013	Ru-106	-2.57E+00	1.25E+02	4.13E+02	U
FH	03	338542002	12/2/2013	Sb-124	-4.56E+01	3.50E+01	8.60E+01	U
FH	03	338542002	12/2/2013	Sb-125	5.36E+01	4.22E+01	1.42E+02	U
FH	03	338542002	12/2/2013	Se-75	-6.90E+00	1.75E+01	5.73E+01	U
FH	03	338542002	12/2/2013	Th-228	1.01E+01	3.13E+01	1.08E+02	U
FH	03	338542002	12/2/2013	Th-230	-7.12E+01	4.19E+01	1.19E+02	U
FH	03	338542002	12/2/2013	Tl-208	2.21E+01	2.12E+01	4.53E+01	U
FH	03	338542002	12/2/2013	Zn-65	3.27E+01	3.20E+01	1.11E+02	U
FH	03	338542002	12/2/2013	Zr-95	1.08E+01	2.83E+01	9.47E+01	U
FH	53	326868002	5/21/2013	Ac-228	4.02E+00	5.95E+00	1.34E+01	U
FH	53	326868002	5/21/2013	Ag-108m	-2.59E-01	8.01E-01	2.29E+00	U
FH	53	326868002	5/21/2013	Ag-110m	-1.15E+00	1.31E+00	4.13E+00	U
FH	53	326868002	5/21/2013	Ba-140	1.19E+01	8.10E+00	2.56E+01	U
FH	53	326868002	5/21/2013	Be-7	2.03E+01	9.14E+00	2.70E+01	U
FH	53	326868002	5/21/2013	Bi-214	4.12E+00	3.48E+00	5.43E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
FH	53	326868002	5/21/2013	Ce-141	2.81E+00	1.86E+00	5.22E+00	U
FH	53	326868002	5/21/2013	Ce-144	2.18E+00	4.85E+00	1.59E+01	U
FH	53	326868002	5/21/2013	Co-57	-5.70E-01	6.58E-01	2.10E+00	U
FH	53	326868002	5/21/2013	Co-58	-4.19E-01	9.72E-01	3.19E+00	U
FH	53	326868002	5/21/2013	Co-60	-2.99E-01	1.02E+00	3.39E+00	U
FH	53	326868002	5/21/2013	Cr-51	-1.14E+01	1.00E+01	3.19E+01	U
FH	53	326868002	5/21/2013	Cs-134	-1.05E+00	1.05E+00	3.34E+00	U
FH	53	326868002	5/21/2013	Cs-137	1.49E+00	1.60E+00	2.88E+00	U
FH	53	326868002	5/21/2013	Fe-59	-2.83E+00	2.78E+00	8.55E+00	U
FH	53	326868002	5/21/2013	I-131	-1.64E+00	3.50E+00	1.15E+01	U
FH	53	326868002	5/21/2013	K-40	3.47E+03	1.64E+02	2.31E+01	
FH	53	326868002	5/21/2013	La-140	2.20E+00	2.37E+00	7.97E+00	U
FH	53	326868002	5/21/2013	Mn-54	6.29E-01	9.38E-01	3.14E+00	U
FH	53	326868002	5/21/2013	Nb-95	1.77E+00	1.11E+00	3.56E+00	U
FH	53	326868002	5/21/2013	Pb-212	4.46E+00	2.79E+00	4.54E+00	U
FH	53	326868002	5/21/2013	Pb-214	-1.50E+00	2.77E+00	6.53E+00	U
FH	53	326868002	5/21/2013	Ra-226	4.12E+00	3.48E+00	5.43E+00	U
FH	53	326868002	5/21/2013	Ru-103	1.44E+00	1.08E+00	3.47E+00	U
FH	53	326868002	5/21/2013	Ru-106	-6.09E+00	8.32E+00	2.59E+01	U
FH	53	326868002	5/21/2013	Sb-124	2.05E+00	2.46E+00	7.25E+00	U
FH	53	326868002	5/21/2013	Sb-125	1.67E+00	2.22E+00	7.32E+00	U
FH	53	326868002	5/21/2013	Se-75	4.42E-01	1.09E+00	3.69E+00	U
FH	53	326868002	5/21/2013	Th-228	4.46E+00	2.79E+00	4.54E+00	U
FH	53	326868002	5/21/2013	Th-230	4.12E+00	3.48E+00	5.43E+00	U
FH	53	326868002	5/21/2013	Tl-208	0.00E+00	1.93E+00	2.64E+00	U
FH	53	326868002	5/21/2013	Zn-65	3.70E+00	2.72E+00	8.66E+00	U
FH	53	326868002	5/21/2013	Zr-95	-3.04E-01	1.66E+00	5.55E+00	U
FH	53	332271002	8/19/2013	Ac-228	5.62E+00	1.42E+01	2.96E+01	U
FH	53	332271002	8/19/2013	Ag-108m	3.10E+00	1.58E+00	5.03E+00	U
FH	53	332271002	8/19/2013	Ag-110m	-6.56E+00	3.09E+00	7.70E+00	U
FH	53	332271002	8/19/2013	Ba-140	-2.83E+00	1.50E+01	4.82E+01	U
FH	53	332271002	8/19/2013	Be-7	1.65E+01	1.63E+01	5.41E+01	U
FH	53	332271002	8/19/2013	Bi-214	7.34E-01	4.58E+00	1.41E+01	U
FH	53	332271002	8/19/2013	Ce-141	4.37E+00	3.44E+00	1.11E+01	U
FH	53	332271002	8/19/2013	Ce-144	4.47E-01	9.86E+00	3.24E+01	U
FH	53	332271002	8/19/2013	Co-57	6.07E-01	1.24E+00	4.13E+00	U
FH	53	332271002	8/19/2013	Co-58	-3.31E+00	2.02E+00	5.61E+00	U
FH	53	332271002	8/19/2013	Co-60	-2.53E+00	2.01E+00	5.90E+00	U
FH	53	332271002	8/19/2013	Cr-51	-2.82E+01	2.10E+01	6.38E+01	U
FH	53	332271002	8/19/2013	Cs-134	2.32E+00	2.02E+00	6.87E+00	U
FH	53	332271002	8/19/2013	Cs-137	1.50E+00	1.95E+00	6.38E+00	U
FH	53	332271002	8/19/2013	Fe-59	4.57E+00	5.95E+00	1.89E+01	U
FH	53	332271002	8/19/2013	I-131	4.30E+00	7.25E+00	2.45E+01	U
FH	53	332271002	8/19/2013	K-40	3.51E+03	1.91E+02	7.07E+01	
FH	53	332271002	8/19/2013	La-140	-2.98E+00	4.62E+00	1.42E+01	U
FH	53	332271002	8/19/2013	Mn-54	7.17E-01	1.76E+00	5.95E+00	U
FH	53	332271002	8/19/2013	Nb-95	1.84E+00	2.48E+00	7.74E+00	U
FH	53	332271002	8/19/2013	Pb-212	1.02E+01	5.70E+00	1.12E+01	U
FH	53	332271002	8/19/2013	Pb-214	2.76E+00	6.64E+00	1.44E+01	U
FH	53	332271002	8/19/2013	Ra-226	7.34E-01	4.58E+00	1.41E+01	U
FH	53	332271002	8/19/2013	Ru-103	-2.39E+00	2.33E+00	6.02E+00	U

Seabrook REMP Summary of 2013 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
FH	53	332271002	8/19/2013	Ru-106	9.44E+00	1.80E+01	5.88E+01	U
FH	53	332271002	8/19/2013	Sb-124	-8.56E-01	3.15E+00	9.98E+00	U
FH	53	332271002	8/19/2013	Sb-125	-1.72E+00	4.63E+00	1.50E+01	U
FH	53	332271002	8/19/2013	Se-75	5.22E-01	2.18E+00	7.46E+00	U
FH	53	332271002	8/19/2013	Th-228	1.02E+01	5.70E+00	1.12E+01	U
FH	53	332271002	8/19/2013	Th-230	7.34E-01	4.58E+00	1.41E+01	U
FH	53	332271002	8/19/2013	Tl-208	5.64E-01	2.17E+00	6.66E+00	U
FH	53	332271002	8/19/2013	Zn-65	7.50E+00	5.19E+00	1.70E+01	U
FH	53	332271002	8/19/2013	Zr-95	-2.06E+00	3.39E+00	1.09E+01	U
FH	53	338252001	11/21/2013	Ac-228	3.46E+01	2.02E+01	7.28E+01	U
FH	53	338252001	11/21/2013	Ag-108m	1.02E+00	4.52E+00	1.47E+01	U
FH	53	338252001	11/21/2013	Ag-110m	-9.02E+00	7.38E+00	1.92E+01	U
FH	53	338252001	11/21/2013	Ba-140	-2.53E+01	3.77E+01	1.18E+02	U
FH	53	338252001	11/21/2013	Be-7	-1.40E+01	3.40E+01	1.10E+02	U
FH	53	338252001	11/21/2013	Bi-214	1.94E+01	1.26E+01	4.40E+01	U
FH	53	338252001	11/21/2013	Ce-141	-4.39E+00	8.77E+00	2.70E+01	U
FH	53	338252001	11/21/2013	Ce-144	2.44E+01	2.78E+01	9.14E+01	U
FH	53	338252001	11/21/2013	Co-57	2.50E+00	3.39E+00	1.12E+01	U
FH	53	338252001	11/21/2013	Co-58	-7.66E+00	5.63E+00	1.43E+01	U
FH	53	338252001	11/21/2013	Co-60	-8.08E-01	6.00E+00	1.92E+01	U
FH	53	338252001	11/21/2013	Cr-51	-1.50E+01	5.05E+01	1.62E+02	U
FH	53	338252001	11/21/2013	Cs-134	-1.93E+00	5.90E+00	1.85E+01	U
FH	53	338252001	11/21/2013	Cs-137	0.00E+00	7.80E+00	1.44E+01	U
FH	53	338252001	11/21/2013	Fe-59	4.95E+00	1.53E+01	5.21E+01	U
FH	53	338252001	11/21/2013	I-131	-9.82E+00	1.87E+01	4.98E+01	U
FH	53	338252001	11/21/2013	K-40	3.45E+03	2.88E+02	1.64E+02	
FH	53	338252001	11/21/2013	La-140	-1.01E+01	1.08E+01	2.83E+01	U
FH	53	338252001	11/21/2013	Mn-54	-8.71E+00	7.42E+00	1.66E+01	U
FH	53	338252001	11/21/2013	Nb-95	-4.99E+00	5.84E+00	1.70E+01	U
FH	53	338252001	11/21/2013	Pb-212	4.63E+00	1.02E+01	3.20E+01	U
FH	53	338252001	11/21/2013	Pb-214	-7.16E+00	1.04E+01	3.27E+01	U
FH	53	338252001	11/21/2013	Ra-226	1.94E+01	1.26E+01	4.40E+01	U
FH	53	338252001	11/21/2013	Ru-103	-1.79E+00	9.13E+00	1.71E+01	U
FH	53	338252001	11/21/2013	Ru-106	3.79E+01	4.77E+01	1.65E+02	U
FH	53	338252001	11/21/2013	Sb-124	9.22E+00	1.11E+01	4.17E+01	U
FH	53	338252001	11/21/2013	Sb-125	-4.39E+00	1.32E+01	4.10E+01	U
FH	53	338252001	11/21/2013	Se-75	-2.88E+00	6.61E+00	2.06E+01	U
FH	53	338252001	11/21/2013	Th-228	4.63E+00	1.02E+01	3.20E+01	U
FH	53	338252001	11/21/2013	Th-230	1.94E+01	1.26E+01	4.40E+01	U
FH	53	338252001	11/21/2013	Tl-208	-1.31E+00	5.58E+00	1.87E+01	U
FH	53	338252001	11/21/2013	Zn-65	-1.29E+01	1.01E+01	2.40E+01	U
FH	53	338252001	11/21/2013	Zr-95	7.11E+00	1.01E+01	3.47E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
HA	04	326889001	5/30/2013	Ac-228	1.84E+01	1.76E+01	4.42E+01	U
HA	04	326889001	5/30/2013	Ag-108m	1.68E+00	2.44E+00	8.14E+00	U
HA	04	326889001	5/30/2013	Ag-110m	-5.28E+00	3.86E+00	1.15E+01	U
HA	04	326889001	5/30/2013	Ba-140	1.23E+01	1.43E+01	4.70E+01	U
HA	04	326889001	5/30/2013	Be-7	3.07E+01	2.50E+01	8.16E+01	U
HA	04	326889001	5/30/2013	Bi-214	6.35E+00	1.38E+01	2.44E+01	U
HA	04	326889001	5/30/2013	Ce-141	2.88E+00	6.98E+00	1.48E+01	U
HA	04	326889001	5/30/2013	Ce-144	3.58E+01	1.73E+01	5.22E+01	U
HA	04	326889001	5/30/2013	Co-57	-1.88E+00	2.00E+00	6.39E+00	U
HA	04	326889001	5/30/2013	Co-58	2.47E+00	2.70E+00	9.09E+00	U
HA	04	326889001	5/30/2013	Co-60	1.31E+00	3.41E+00	1.11E+01	U
HA	04	326889001	5/30/2013	Cr-51	2.80E+01	2.76E+01	9.24E+01	U
HA	04	326889001	5/30/2013	Cs-134	1.18E+00	3.00E+00	1.02E+01	U
HA	04	326889001	5/30/2013	Cs-137	-2.48E+00	3.11E+00	9.58E+00	U
HA	04	326889001	5/30/2013	Fe-59	7.54E+00	6.81E+00	1.95E+01	U
HA	04	326889001	5/30/2013	I-131	2.73E+00	5.16E+00	1.74E+01	U
HA	04	326889001	5/30/2013	K-40	2.42E+03	1.49E+02	9.30E+01	
HA	04	326889001	5/30/2013	La-140	3.16E+00	5.15E+00	1.53E+01	U
HA	04	326889001	5/30/2013	Mn-54	-4.44E-02	2.68E+00	8.95E+00	U
HA	04	326889001	5/30/2013	Nb-95	3.39E+00	3.12E+00	1.05E+01	U
HA	04	326889001	5/30/2013	Pb-212	2.27E+00	1.04E+01	1.61E+01	U
HA	04	326889001	5/30/2013	Pb-214	1.32E+01	1.52E+01	2.56E+01	U
HA	04	326889001	5/30/2013	Ra-226	6.35E+00	1.38E+01	2.44E+01	U
HA	04	326889001	5/30/2013	Ru-103	-6.47E+00	3.26E+00	8.88E+00	U
HA	04	326889001	5/30/2013	Ru-106	2.22E+01	2.68E+01	8.72E+01	U
HA	04	326889001	5/30/2013	Sb-124	3.02E-01	6.74E+00	2.23E+01	U
HA	04	326889001	5/30/2013	Sb-125	6.58E+00	7.61E+00	2.53E+01	U
HA	04	326889001	5/30/2013	Se-75	-2.16E+00	3.65E+00	1.14E+01	U
HA	04	326889001	5/30/2013	Th-228	2.27E+00	1.04E+01	1.61E+01	U
HA	04	326889001	5/30/2013	Th-230	6.35E+00	1.38E+01	2.44E+01	U
HA	04	326889001	5/30/2013	Tl-208	-8.54E+00	5.58E+00	1.24E+01	U
HA	04	326889001	5/30/2013	Zn-65	-9.92E+00	6.62E+00	1.88E+01	U
HA	04	326889001	5/30/2013	Zr-95	-1.76E-01	5.15E+00	1.73E+01	U
HA	04	338260001	11/13/2013	Ac-228	-1.42E+00	1.52E+01	5.12E+01	U
HA	04	338260001	11/13/2013	Ag-108m	-1.85E+00	2.83E+00	9.01E+00	U
HA	04	338260001	11/13/2013	Ag-110m	3.86E+00	5.56E+00	1.89E+01	U
HA	04	338260001	11/13/2013	Ba-140	4.27E+01	3.85E+01	1.36E+02	U
HA	04	338260001	11/13/2013	Be-7	1.80E+01	3.32E+01	1.15E+02	U
HA	04	338260001	11/13/2013	Bi-214	-6.45E+00	7.78E+00	2.39E+01	U
HA	04	338260001	11/13/2013	Ce-141	5.49E+00	7.19E+00	2.45E+01	U
HA	04	338260001	11/13/2013	Ce-144	-1.23E+01	1.84E+01	5.90E+01	U
HA	04	338260001	11/13/2013	Co-57	7.94E-01	2.50E+00	8.52E+00	U
HA	04	338260001	11/13/2013	Co-58	1.42E+00	5.31E+00	1.55E+01	U
HA	04	338260001	11/13/2013	Co-60	-2.09E+00	3.13E+00	9.79E+00	U
HA	04	338260001	11/13/2013	Cr-51	-9.95E+01	5.07E+01	1.23E+02	U
HA	04	338260001	11/13/2013	Cs-134	9.72E-01	3.25E+00	1.10E+01	U
HA	04	338260001	11/13/2013	Cs-137	5.57E+00	4.38E+00	1.51E+01	U
HA	04	338260001	11/13/2013	Fe-59	-8.49E+00	1.05E+01	3.17E+01	U
HA	04	338260001	11/13/2013	I-131	6.71E+00	1.88E+01	6.23E+01	U
HA	04	338260001	11/13/2013	K-40	2.00E+03	1.83E+02	1.15E+02	

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
HA	04	338260001	11/13/2013	La-140	1.60E+01	1.44E+01	5.25E+01	U
HA	04	338260001	11/13/2013	Mn-54	-1.58E-02	3.60E+00	1.18E+01	U
HA	04	338260001	11/13/2013	Nb-95	8.72E+00	4.48E+00	1.56E+01	U
HA	04	338260001	11/13/2013	Pb-212	1.46E+00	6.22E+00	2.08E+01	U
HA	04	338260001	11/13/2013	Pb-214	8.02E+00	9.55E+00	2.32E+01	U
HA	04	338260001	11/13/2013	Ra-226	-6.45E+00	7.78E+00	2.39E+01	U
HA	04	338260001	11/13/2013	Ru-103	-6.33E+00	4.86E+00	1.40E+01	U
HA	04	338260001	11/13/2013	Ru-106	5.88E+01	3.44E+01	1.19E+02	U
HA	04	338260001	11/13/2013	Sb-124	2.48E+00	6.97E+00	2.45E+01	U
HA	04	338260001	11/13/2013	Sb-125	4.06E+00	9.89E+00	3.24E+01	U
HA	04	338260001	11/13/2013	Se-75	-3.85E+00	4.91E+00	1.51E+01	U
HA	04	338260001	11/13/2013	Th-228	1.46E+00	6.22E+00	2.08E+01	U
HA	04	338260001	11/13/2013	Th-230	-6.45E+00	7.78E+00	2.39E+01	U
HA	04	338260001	11/13/2013	Tl-208	2.52E+00	3.67E+00	1.27E+01	U
HA	04	338260001	11/13/2013	Zn-65	-4.87E+00	7.06E+00	2.14E+01	U
HA	04	338260001	11/13/2013	Zr-95	-3.62E-01	7.80E+00	2.55E+01	U
HA	54	326889002	5/24/2013	Ac-228	1.72E+01	8.61E+00	1.78E+01	U
HA	54	326889002	5/24/2013	Ag-108m	9.58E-01	9.61E-01	3.11E+00	U
HA	54	326889002	5/24/2013	Ag-110m	1.14E+00	1.75E+00	5.76E+00	U
HA	54	326889002	5/24/2013	Ba-140	7.92E+00	7.97E+00	2.69E+01	U
HA	54	326889002	5/24/2013	Be-7	1.57E+01	1.09E+01	3.43E+01	U
HA	54	326889002	5/24/2013	Bi-214	6.92E+00	5.05E+00	9.15E+00	U
HA	54	326889002	5/24/2013	Ce-141	-1.48E+00	2.46E+00	5.65E+00	U
HA	54	326889002	5/24/2013	Ce-144	-7.25E-01	5.43E+00	1.75E+01	U
HA	54	326889002	5/24/2013	Co-57	-7.63E-01	7.31E-01	2.26E+00	U
HA	54	326889002	5/24/2013	Co-58	1.95E-01	1.27E+00	4.18E+00	U
HA	54	326889002	5/24/2013	Co-60	-1.46E+00	1.57E+00	4.75E+00	U
HA	54	326889002	5/24/2013	Cr-51	2.01E+00	1.06E+01	3.52E+01	U
HA	54	326889002	5/24/2013	Cs-134	3.59E+00	1.62E+00	4.88E+00	U
HA	54	326889002	5/24/2013	Cs-137	3.54E+00	1.41E+00	4.11E+00	U
HA	54	326889002	5/24/2013	Fe-59	1.87E+00	3.29E+00	1.11E+01	U
HA	54	326889002	5/24/2013	I-131	4.70E+00	3.54E+00	1.14E+01	U
HA	54	326889002	5/24/2013	K-40	2.59E+03	1.33E+02	3.63E+01	
HA	54	326889002	5/24/2013	La-140	-1.81E+00	2.97E+00	9.22E+00	U
HA	54	326889002	5/24/2013	Mn-54	4.59E-01	1.22E+00	4.02E+00	U
HA	54	326889002	5/24/2013	Nb-95	-3.71E-01	1.23E+00	4.02E+00	U
HA	54	326889002	5/24/2013	Pb-212	2.34E+00	3.60E+00	6.67E+00	U
HA	54	326889002	5/24/2013	Pb-214	4.45E+00	5.06E+00	8.50E+00	U
HA	54	326889002	5/24/2013	Ra-226	6.92E+00	5.05E+00	9.15E+00	U
HA	54	326889002	5/24/2013	Ru-103	-6.22E-01	1.31E+00	4.12E+00	U
HA	54	326889002	5/24/2013	Ru-106	9.37E-01	9.91E+00	3.32E+01	U
HA	54	326889002	5/24/2013	Sb-124	4.03E+00	3.13E+00	1.04E+01	U
HA	54	326889002	5/24/2013	Sb-125	2.09E-01	2.66E+00	8.66E+00	U
HA	54	326889002	5/24/2013	Se-75	-9.69E-03	1.28E+00	4.27E+00	U
HA	54	326889002	5/24/2013	Th-228	2.34E+00	3.60E+00	6.67E+00	U
HA	54	326889002	5/24/2013	Th-230	6.92E+00	5.05E+00	9.15E+00	U
HA	54	326889002	5/24/2013	Tl-208	0.00E+00	2.46E+00	3.32E+00	U
HA	54	326889002	5/24/2013	Zn-65	-4.95E-01	3.66E+00	1.05E+01	U
HA	54	326889002	5/24/2013	Zr-95	2.93E+00	2.35E+00	7.70E+00	U
HA	54	338260002	11/14/2013	Ac-228	1.16E+01	7.39E+00	1.47E+01	U
HA	54	338260002	11/14/2013	Ag-108m	-4.92E-01	8.14E-01	2.61E+00	U

Seabrook REMP Summary of 2013 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
HA	54	338260002	11/14/2013	Ag-110m	-2.74E-02	1.39E+00	4.58E+00	U
HA	54	338260002	11/14/2013	Ba-140	4.43E+00	9.18E+00	2.99E+01	U
HA	54	338260002	11/14/2013	Be-7	3.42E+00	9.71E+00	3.18E+01	U
HA	54	338260002	11/14/2013	Bi-214	5.15E+00	4.25E+00	7.94E+00	U
HA	54	338260002	11/14/2013	Ce-141	-1.02E+00	2.95E+00	6.16E+00	U
HA	54	338260002	11/14/2013	Ce-144	2.27E-02	5.39E+00	1.75E+01	U
HA	54	338260002	11/14/2013	Co-57	-9.42E-01	7.51E-01	2.29E+00	U
HA	54	338260002	11/14/2013	Co-58	-4.26E-01	1.10E+00	3.60E+00	U
HA	54	338260002	11/14/2013	Co-60	3.25E-01	1.11E+00	3.73E+00	U
HA	54	338260002	11/14/2013	Cr-51	-5.58E+00	1.15E+01	3.77E+01	U
HA	54	338260002	11/14/2013	Cs-134	5.34E-01	1.09E+00	3.66E+00	U
HA	54	338260002	11/14/2013	Cs-137	1.81E+00	1.08E+00	3.49E+00	U
HA	54	338260002	11/14/2013	Fe-59	2.18E+00	3.16E+00	1.03E+01	U
HA	54	338260002	11/14/2013	I-131	-6.76E+00	5.45E+00	1.69E+01	U
HA	54	338260002	11/14/2013	K-40	3.05E+03	1.46E+02	3.30E+01	
HA	54	338260002	11/14/2013	La-140	3.93E+00	3.63E+00	1.01E+01	U
HA	54	338260002	11/14/2013	Mn-54	-8.41E-01	9.84E-01	3.12E+00	U
HA	54	338260002	11/14/2013	Nb-95	8.50E-01	1.14E+00	3.82E+00	U
HA	54	338260002	11/14/2013	Pb-212	2.67E+00	3.37E+00	5.08E+00	U
HA	54	338260002	11/14/2013	Pb-214	4.44E-01	4.07E+00	6.46E+00	U
HA	54	338260002	11/14/2013	Ra-226	5.15E+00	4.25E+00	7.94E+00	U
HA	54	338260002	11/14/2013	Ru-103	-5.89E-01	1.26E+00	4.02E+00	U
HA	54	338260002	11/14/2013	Ru-106	-1.32E+00	8.95E+00	2.85E+01	U
HA	54	338260002	11/14/2013	Sb-124	2.04E+00	2.60E+00	8.73E+00	U
HA	54	338260002	11/14/2013	Sb-125	1.65E+00	2.51E+00	8.24E+00	U
HA	54	338260002	11/14/2013	Se-75	7.05E-01	1.25E+00	4.20E+00	U
HA	54	338260002	11/14/2013	Th-228	2.67E+00	3.37E+00	5.08E+00	U
HA	54	338260002	11/14/2013	Th-230	5.15E+00	4.25E+00	7.94E+00	U
HA	54	338260002	11/14/2013	Tl-208	-1.10E+00	1.59E+00	3.58E+00	U
HA	54	338260002	11/14/2013	Zn-65	-6.27E+00	3.15E+00	8.36E+00	U
HA	54	338260002	11/14/2013	Zr-95	-2.24E+00	2.09E+00	6.54E+00	U

Seabrook REMP Summary of 2013 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
MS	06	326867004	5/21/2013	Sr-89	-3.22E+00	2.13E+01	6.17E+01	U
MS	06	326867004	5/21/2013	Sr-90	-1.75E+01	1.14E+01	4.35E+01	U
MS	06	338259004	11/21/2013	Sr-89	-1.19E+02	6.15E+01	1.40E+02	U
MS	06	338259004	11/21/2013	Sr-90	-1.05E+02	5.42E+01	1.86E+02	U
MS	56	326867005	5/21/2013	Sr-89	-2.30E+00	2.34E+01	6.54E+01	U
MS	56	326867005	5/21/2013	Sr-90	9.05E+00	1.36E+01	4.16E+01	U
MS	56	338259005	11/21/2013	Sr-89	-3.21E+02	6.73E+01	1.68E+02	U
MS	56	338259005	11/21/2013	Sr-90	-8.30E+01	5.64E+01	1.92E+02	U

Seabrook REMP Summary of 2013 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
MU	06	326867001	5/21/2013	Ac-228	1.42E+01	6.68E+00	1.11E+01	
MU	06	326867001	5/21/2013	Ag-108m	9.97E-01	7.80E-01	2.51E+00	U
MU	06	326867001	5/21/2013	Ag-110m	1.14E+00	1.27E+00	4.16E+00	U
MU	06	326867001	5/21/2013	Ba-140	1.65E+01	8.68E+00	2.63E+01	U
MU	06	326867001	5/21/2013	Be-7	1.87E+01	1.02E+01	2.77E+01	U
MU	06	326867001	5/21/2013	Bi-214	2.40E+00	3.84E+00	6.11E+00	U
MU	06	326867001	5/21/2013	Ce-141	0.00E+00	2.27E+00	5.76E+00	U
MU	06	326867001	5/21/2013	Ce-144	-1.30E+00	5.08E+00	1.67E+01	U
MU	06	326867001	5/21/2013	Co-57	1.34E+00	7.22E-01	2.21E+00	U
MU	06	326867001	5/21/2013	Co-58	1.08E+00	9.70E-01	3.19E+00	U
MU	06	326867001	5/21/2013	Co-60	-1.65E+00	1.68E+00	3.19E+00	U
MU	06	326867001	5/21/2013	Cr-51	3.02E+00	1.00E+01	3.36E+01	U
MU	06	326867001	5/21/2013	Cs-134	-7.11E-01	1.29E+00	3.31E+00	U
MU	06	326867001	5/21/2013	Cs-137	-9.54E-01	9.17E-01	2.93E+00	U
MU	06	326867001	5/21/2013	Fe-59	-6.49E+00	3.57E+00	7.17E+00	U
MU	06	326867001	5/21/2013	I-131	-1.75E+00	3.56E+00	1.17E+01	U
MU	06	326867001	5/21/2013	K-40	1.15E+03	6.05E+01	2.55E+01	
MU	06	326867001	5/21/2013	La-140	5.51E+00	2.83E+00	8.87E+00	U
MU	06	326867001	5/21/2013	Mn-54	6.56E-02	8.54E-01	2.83E+00	U
MU	06	326867001	5/21/2013	Nb-95	-1.47E+00	1.60E+00	3.42E+00	U
MU	06	326867001	5/21/2013	Pb-212	3.94E+00	2.32E+00	4.90E+00	U
MU	06	326867001	5/21/2013	Pb-214	6.72E+00	3.94E+00	6.82E+00	U
MU	06	326867001	5/21/2013	Ra-226	2.40E+00	3.84E+00	6.11E+00	U
MU	06	326867001	5/21/2013	Ru-103	-2.54E-01	1.09E+00	3.56E+00	U
MU	06	326867001	5/21/2013	Ru-106	8.05E+00	8.46E+00	2.71E+01	U
MU	06	326867001	5/21/2013	Sb-124	1.13E+00	2.26E+00	7.48E+00	U
MU	06	326867001	5/21/2013	Sb-125	-4.35E-01	2.31E+00	7.60E+00	U
MU	06	326867001	5/21/2013	Se-75	-2.38E-01	1.20E+00	3.82E+00	U
MU	06	326867001	5/21/2013	Th-228	3.94E+00	2.32E+00	4.90E+00	U
MU	06	326867001	5/21/2013	Th-230	2.40E+00	3.84E+00	6.11E+00	U
MU	06	326867001	5/21/2013	Tl-208	8.30E-01	2.03E+00	2.76E+00	U
MU	06	326867001	5/21/2013	Zn-65	1.51E+00	2.37E+00	6.66E+00	U
MU	06	326867001	5/21/2013	Zr-95	5.56E-01	1.78E+00	5.96E+00	U
MU	06	338259001	11/21/2013	Ac-228	-7.62E+00	1.53E+01	3.41E+01	U
MU	06	338259001	11/21/2013	Ag-108m	2.59E+00	2.04E+00	6.63E+00	U
MU	06	338259001	11/21/2013	Ag-110m	-5.61E-01	3.20E+00	1.04E+01	U
MU	06	338259001	11/21/2013	Ba-140	5.02E+01	2.06E+01	5.29E+01	U
MU	06	338259001	11/21/2013	Be-7	4.84E+01	2.39E+01	7.11E+01	U
MU	06	338259001	11/21/2013	Bi-214	2.29E+01	9.21E+00	1.44E+01	
MU	06	338259001	11/21/2013	Ce-141	2.78E+00	3.57E+00	1.07E+01	U
MU	06	338259001	11/21/2013	Ce-144	-8.70E+00	1.07E+01	3.48E+01	U
MU	06	338259001	11/21/2013	Co-57	6.03E-01	1.33E+00	4.51E+00	U
MU	06	338259001	11/21/2013	Co-58	4.31E+00	2.16E+00	8.52E+00	U
MU	06	338259001	11/21/2013	Co-60	-6.58E+00	5.14E+00	8.39E+00	U
MU	06	338259001	11/21/2013	Cr-51	-1.63E+01	2.15E+01	7.07E+01	U
MU	06	338259001	11/21/2013	Cs-134	-1.97E+00	2.49E+00	7.88E+00	U
MU	06	338259001	11/21/2013	Cs-137	1.97E+00	2.67E+00	7.92E+00	U
MU	06	338259001	11/21/2013	Fe-59	-2.68E+00	5.48E+00	1.80E+01	U
MU	06	338259001	11/21/2013	I-131	2.67E-01	5.90E+00	1.98E+01	U
MU	06	338259001	11/21/2013	K-40	1.00E+03	8.73E+01	6.20E+01	
MU	06	338259001	11/21/2013	La-140	6.33E+00	5.28E+00	1.74E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
MU	06	338259001	11/21/2013	Mn-54	-1.12E+00	2.21E+00	7.10E+00	U
MU	06	338259001	11/21/2013	Nb-95	9.01E-01	2.49E+00	8.31E+00	U
MU	06	338259001	11/21/2013	Pb-212	1.42E+01	6.48E+00	1.05E+01	
MU	06	338259001	11/21/2013	Pb-214	1.02E+01	1.11E+01	1.88E+01	U
MU	06	338259001	11/21/2013	Ra-226	2.29E+01	9.21E+00	1.44E+01	
MU	06	338259001	11/21/2013	Ru-103	1.36E+00	2.63E+00	8.00E+00	U
MU	06	338259001	11/21/2013	Ru-106	-2.67E+01	2.19E+01	6.88E+01	U
MU	06	338259001	11/21/2013	Sb-124	-7.65E+00	6.34E+00	1.91E+01	U
MU	06	338259001	11/21/2013	Sb-125	3.05E+00	5.83E+00	1.94E+01	U
MU	06	338259001	11/21/2013	Se-75	-7.57E+00	4.40E+00	9.25E+00	U
MU	06	338259001	11/21/2013	Th-228	1.42E+01	6.48E+00	1.05E+01	
MU	06	338259001	11/21/2013	Th-230	2.29E+01	9.21E+00	1.44E+01	
MU	06	338259001	11/21/2013	Tl-208	4.12E+00	4.75E+00	7.13E+00	U
MU	06	338259001	11/21/2013	Zn-65	-6.36E-01	5.68E+00	1.63E+01	U
MU	06	338259001	11/21/2013	Zr-95	3.89E-01	4.16E+00	1.39E+01	U
MU	09	326864001	5/20/2013	Ac-228	1.40E+01	5.40E+00	9.80E+00	
MU	09	326864001	5/20/2013	Ag-108m	-5.65E-01	6.60E-01	2.10E+00	U
MU	09	326864001	5/20/2013	Ag-110m	6.60E-01	1.10E+00	3.66E+00	U
MU	09	326864001	5/20/2013	Ba-140	3.68E+00	1.18E+01	2.29E+01	U
MU	09	326864001	5/20/2013	Be-7	2.48E+01	8.67E+00	2.40E+01	
MU	09	326864001	5/20/2013	Bi-214	6.43E-01	2.67E+00	6.06E+00	U
MU	09	326864001	5/20/2013	Ce-141	1.57E+00	1.54E+00	5.00E+00	U
MU	09	326864001	5/20/2013	Ce-144	6.16E+00	4.62E+00	1.48E+01	U
MU	09	326864001	5/20/2013	Co-57	-6.25E-02	5.83E-01	1.94E+00	U
MU	09	326864001	5/20/2013	Co-58	-4.47E-02	8.71E-01	2.74E+00	U
MU	09	326864001	5/20/2013	Co-60	1.93E+00	9.58E-01	3.05E+00	U
MU	09	326864001	5/20/2013	Cr-51	9.68E+00	8.90E+00	2.97E+01	U
MU	09	326864001	5/20/2013	Cs-134	5.09E-01	1.41E+00	3.01E+00	U
MU	09	326864001	5/20/2013	Cs-137	5.33E-01	8.13E-01	2.63E+00	U
MU	09	326864001	5/20/2013	Fe-59	2.72E-01	2.15E+00	7.01E+00	U
MU	09	326864001	5/20/2013	I-131	1.60E+00	3.31E+00	1.11E+01	U
MU	09	326864001	5/20/2013	K-40	1.54E+03	7.83E+01	2.63E+01	
MU	09	326864001	5/20/2013	La-140	2.04E+00	2.49E+00	7.34E+00	U
MU	09	326864001	5/20/2013	Mn-54	-7.00E-01	7.55E-01	2.39E+00	U
MU	09	326864001	5/20/2013	Nb-95	2.04E+00	1.01E+00	2.88E+00	U
MU	09	326864001	5/20/2013	Pb-212	2.51E+00	2.62E+00	4.09E+00	U
MU	09	326864001	5/20/2013	Pb-214	4.67E+00	3.62E+00	5.96E+00	U
MU	09	326864001	5/20/2013	Ra-226	6.43E-01	2.67E+00	6.06E+00	U
MU	09	326864001	5/20/2013	Ru-103	-8.57E-01	9.18E-01	2.87E+00	U
MU	09	326864001	5/20/2013	Ru-106	4.16E+00	6.97E+00	2.26E+01	U
MU	09	326864001	5/20/2013	Sb-124	-8.73E+00	5.58E+00	6.94E+00	U
MU	09	326864001	5/20/2013	Sb-125	-3.22E+00	2.11E+00	6.31E+00	U
MU	09	326864001	5/20/2013	Se-75	-5.35E-02	9.92E-01	3.16E+00	U
MU	09	326864001	5/20/2013	Th-228	2.51E+00	2.62E+00	4.09E+00	U
MU	09	326864001	5/20/2013	Th-230	6.43E-01	2.67E+00	6.06E+00	U
MU	09	326864001	5/20/2013	Tl-208	-2.09E+00	1.73E+00	2.91E+00	U
MU	09	326864001	5/20/2013	Zn-65	-1.78E+00	2.11E+00	6.55E+00	U
MU	09	326864001	5/20/2013	Zr-95	-1.48E+00	1.56E+00	4.97E+00	U
MU	09	338254001	11/12/2013	Ac-228	2.04E+01	1.77E+01	2.60E+01	U
MU	09	338254001	11/12/2013	Ag-108m	1.42E+00	2.02E+00	6.71E+00	U
MU	09	338254001	11/12/2013	Ag-110m	4.65E+00	3.45E+00	1.13E+01	U

Seabrook REMP Summary of 2013 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
MU	09	338254001	11/12/2013	Ba-140	-8.69E+00	2.83E+01	7.99E+01	U
MU	09	338254001	11/12/2013	Be-7	-1.76E+01	2.41E+01	7.70E+01	U
MU	09	338254001	11/12/2013	Bi-214	9.37E+00	1.14E+01	1.58E+01	U
MU	09	338254001	11/12/2013	Ce-141	4.24E-01	9.13E+00	1.49E+01	U
MU	09	338254001	11/12/2013	Ce-144	-8.79E+00	1.31E+01	4.25E+01	U
MU	09	338254001	11/12/2013	Co-57	1.36E+00	1.66E+00	5.47E+00	U
MU	09	338254001	11/12/2013	Co-58	-6.75E-01	2.43E+00	8.06E+00	U
MU	09	338254001	11/12/2013	Co-60	5.91E+00	2.84E+00	7.96E+00	U
MU	09	338254001	11/12/2013	Cr-51	-5.52E+00	2.99E+01	1.01E+02	U
MU	09	338254001	11/12/2013	Cs-134	-1.23E+00	2.38E+00	7.80E+00	U
MU	09	338254001	11/12/2013	Cs-137	7.47E-01	2.36E+00	7.65E+00	U
MU	09	338254001	11/12/2013	Fe-59	-2.18E+00	6.98E+00	1.94E+01	U
MU	09	338254001	11/12/2013	I-131	-1.37E+01	1.75E+01	4.99E+01	U
MU	09	338254001	11/12/2013	K-40	1.44E+03	9.56E+01	6.96E+01	
MU	09	338254001	11/12/2013	La-140	-4.76E+00	9.24E+00	2.52E+01	U
MU	09	338254001	11/12/2013	Mn-54	2.15E-01	2.17E+00	7.27E+00	U
MU	09	338254001	11/12/2013	Nb-95	-1.96E+00	4.65E+00	9.30E+00	U
MU	09	338254001	11/12/2013	Pb-212	2.64E+00	7.48E+00	1.30E+01	U
MU	09	338254001	11/12/2013	Pb-214	1.65E+01	1.30E+01	2.19E+01	U
MU	09	338254001	11/12/2013	Ra-226	9.37E+00	1.14E+01	1.58E+01	U
MU	09	338254001	11/12/2013	Ru-103	1.62E+00	3.02E+00	9.96E+00	U
MU	09	338254001	11/12/2013	Ru-106	4.69E+00	2.22E+01	6.68E+01	U
MU	09	338254001	11/12/2013	Sb-124	6.39E+00	6.21E+00	2.09E+01	U
MU	09	338254001	11/12/2013	Sb-125	-8.49E-01	6.07E+00	2.01E+01	U
MU	09	338254001	11/12/2013	Se-75	2.48E+00	3.76E+00	1.07E+01	U
MU	09	338254001	11/12/2013	Th-228	2.64E+00	7.48E+00	1.30E+01	U
MU	09	338254001	11/12/2013	Th-230	9.37E+00	1.14E+01	1.58E+01	U
MU	09	338254001	11/12/2013	Tl-208	0.00E+00	5.69E+00	6.99E+00	U
MU	09	338254001	11/12/2013	Zn-65	5.17E+00	5.79E+00	1.67E+01	U
MU	09	338254001	11/12/2013	Zr-95	2.43E+00	4.53E+00	1.54E+01	U
MU	56	326867002	5/21/2013	Ac-228	7.53E+00	3.95E+01	7.38E+01	U
MU	56	326867002	5/21/2013	Ag-108m	1.10E+00	5.76E+00	1.39E+01	U
MU	56	326867002	5/21/2013	Ag-110m	1.12E+01	7.70E+00	2.42E+01	U
MU	56	326867002	5/21/2013	Ba-140	-2.68E+01	4.05E+01	1.33E+02	U
MU	56	326867002	5/21/2013	Be-7	8.67E+01	5.02E+01	1.53E+02	U
MU	56	326867002	5/21/2013	Bi-214	7.45E+01	2.37E+01	3.18E+01	
MU	56	326867002	5/21/2013	Ce-141	9.45E+00	1.18E+01	2.72E+01	U
MU	56	326867002	5/21/2013	Ce-144	3.98E+01	2.18E+01	7.24E+01	U
MU	56	326867002	5/21/2013	Co-57	-7.31E-01	2.84E+00	9.39E+00	U
MU	56	326867002	5/21/2013	Co-58	-6.27E-01	5.53E+00	1.80E+01	U
MU	56	326867002	5/21/2013	Co-60	1.19E+00	4.98E+00	1.63E+01	U
MU	56	326867002	5/21/2013	Cr-51	-2.71E+01	5.16E+01	1.69E+02	U
MU	56	326867002	5/21/2013	Cs-134	1.01E+01	6.04E+00	1.88E+01	U
MU	56	326867002	5/21/2013	Cs-137	-8.36E-01	5.84E+00	1.66E+01	U
MU	56	326867002	5/21/2013	Fe-59	-2.95E+00	1.13E+01	3.71E+01	U
MU	56	326867002	5/21/2013	I-131	4.93E+00	1.78E+01	5.89E+01	U
MU	56	326867002	5/21/2013	K-40	1.93E+03	1.47E+02	1.47E+02	
MU	56	326867002	5/21/2013	La-140	-1.15E+01	1.18E+01	3.66E+01	U
MU	56	326867002	5/21/2013	Mn-54	8.11E+00	5.43E+00	1.71E+01	U
MU	56	326867002	5/21/2013	Nb-95	1.26E+01	6.48E+00	1.97E+01	U
MU	56	326867002	5/21/2013	Pb-212	8.96E+00	1.44E+01	2.91E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
MU	56	326867002	5/21/2013	Pb-214	-4.28E+01	1.75E+01	3.52E+01	U
MU	56	326867002	5/21/2013	Ra-226	7.45E+01	2.37E+01	3.18E+01	
MU	56	326867002	5/21/2013	Ru-103	-4.15E+00	5.91E+00	1.86E+01	U
MU	56	326867002	5/21/2013	Ru-106	-5.14E+01	4.63E+01	1.46E+02	U
MU	56	326867002	5/21/2013	Sb-124	1.73E+01	1.18E+01	3.87E+01	U
MU	56	326867002	5/21/2013	Sb-125	7.60E-01	1.24E+01	4.06E+01	U
MU	56	326867002	5/21/2013	Se-75	3.06E+00	5.85E+00	1.97E+01	U
MU	56	326867002	5/21/2013	Th-228	8.96E+00	1.44E+01	2.91E+01	U
MU	56	326867002	5/21/2013	Th-230	7.45E+01	2.37E+01	3.18E+01	
MU	56	326867002	5/21/2013	Tl-208	-3.25E+00	7.71E+00	1.85E+01	U
MU	56	326867002	5/21/2013	Zn-65	-1.23E-01	1.25E+01	3.54E+01	U
MU	56	326867002	5/21/2013	Zr-95	1.08E+00	9.96E+00	3.28E+01	U
MU	56	338259002	11/21/2013	Ac-228	0.00E+00	3.53E+01	8.99E+01	U
MU	56	338259002	11/21/2013	Ag-108m	1.87E+00	3.01E+00	1.05E+01	U
MU	56	338259002	11/21/2013	Ag-110m	0.00E+00	0.00E+00	2.07E+01	U
MU	56	338259002	11/21/2013	Ba-140	1.69E+00	3.11E+01	1.02E+02	U
MU	56	338259002	11/21/2013	Be-7	7.93E+01	6.49E+01	1.11E+02	U
MU	56	338259002	11/21/2013	Bi-214	8.45E+00	1.03E+01	3.72E+01	U
MU	56	338259002	11/21/2013	Ce-141	-2.46E+00	6.13E+00	1.99E+01	U
MU	56	338259002	11/21/2013	Ce-144	-1.47E+01	1.93E+01	6.06E+01	U
MU	56	338259002	11/21/2013	Co-57	1.27E+00	2.19E+00	7.49E+00	U
MU	56	338259002	11/21/2013	Co-58	-6.57E+00	4.76E+00	1.24E+01	U
MU	56	338259002	11/21/2013	Co-60	7.61E+00	5.38E+00	2.01E+01	U
MU	56	338259002	11/21/2013	Cr-51	9.82E+01	4.86E+01	1.64E+02	U
MU	56	338259002	11/21/2013	Cs-134	1.24E+00	4.26E+00	1.47E+01	U
MU	56	338259002	11/21/2013	Cs-137	6.98E+00	5.77E+00	1.98E+01	U
MU	56	338259002	11/21/2013	Fe-59	-3.18E+00	9.20E+00	2.83E+01	U
MU	56	338259002	11/21/2013	I-131	2.21E+01	1.54E+01	4.92E+01	U
MU	56	338259002	11/21/2013	K-40	1.61E+03	1.93E+02	1.51E+02	
MU	56	338259002	11/21/2013	La-140	-7.83E+00	9.87E+00	2.62E+01	U
MU	56	338259002	11/21/2013	Mn-54	5.30E+00	4.17E+00	1.52E+01	U
MU	56	338259002	11/21/2013	Nb-95	8.52E+00	5.63E+00	2.01E+01	U
MU	56	338259002	11/21/2013	Pb-212	7.53E-01	7.14E+00	2.31E+01	U
MU	56	338259002	11/21/2013	Pb-214	1.21E+01	1.31E+01	3.38E+01	U
MU	56	338259002	11/21/2013	Ra-226	8.45E+00	1.03E+01	3.72E+01	U
MU	56	338259002	11/21/2013	Ru-103	-9.92E+00	5.00E+00	1.09E+01	U
MU	56	338259002	11/21/2013	Ru-106	3.18E+00	3.03E+01	9.92E+01	U
MU	56	338259002	11/21/2013	Sb-124	4.25E+00	1.18E+01	4.12E+01	U
MU	56	338259002	11/21/2013	Sb-125	5.30E+00	8.51E+00	2.70E+01	U
MU	56	338259002	11/21/2013	Se-75	5.44E+00	4.97E+00	1.66E+01	U
MU	56	338259002	11/21/2013	Th-228	7.53E-01	7.14E+00	2.31E+01	U
MU	56	338259002	11/21/2013	Th-230	8.45E+00	1.03E+01	3.72E+01	U
MU	56	338259002	11/21/2013	Tl-208	-1.47E+00	4.43E+00	1.49E+01	U
MU	56	338259002	11/21/2013	Zn-65	-1.11E+00	1.09E+01	3.51E+01	U
MU	56	338259002	11/21/2013	Zr-95	-1.41E+01	7.27E+00	1.41E+01	U
MU	59	326864002	5/20/2013	Ac-228	-2.48E-01	5.72E+00	1.39E+01	U
MU	59	326864002	5/20/2013	Ag-108m	-1.16E+00	8.29E-01	2.57E+00	U
MU	59	326864002	5/20/2013	Ag-110m	-2.52E+00	1.50E+00	4.19E+00	U
MU	59	326864002	5/20/2013	Ba-140	-4.02E+01	1.73E+01	3.39E+01	U
MU	59	326864002	5/20/2013	Be-7	1.16E+01	1.38E+01	3.05E+01	U
MU	59	326864002	5/20/2013	Bi-214	-8.59E-01	2.97E+00	7.35E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
MU	59	326864002	5/20/2013	Ce-141	1.91E+00	2.08E+00	6.86E+00	U
MU	59	326864002	5/20/2013	Ce-144	8.74E+00	5.84E+00	1.87E+01	U
MU	59	326864002	5/20/2013	Co-57	2.95E-01	6.83E-01	2.30E+00	U
MU	59	326864002	5/20/2013	Co-58	-2.91E+00	1.52E+00	3.25E+00	U
MU	59	326864002	5/20/2013	Co-60	0.00E+00	1.72E+00	3.59E+00	U
MU	59	326864002	5/20/2013	Cr-51	5.73E+00	1.27E+01	4.12E+01	U
MU	59	326864002	5/20/2013	Cs-134	1.54E+00	1.06E+00	3.41E+00	U
MU	59	326864002	5/20/2013	Cs-137	3.06E+00	1.74E+00	3.18E+00	U
MU	59	326864002	5/20/2013	Fe-59	-5.80E+00	3.54E+00	8.75E+00	U
MU	59	326864002	5/20/2013	I-131	1.45E+01	7.33E+00	2.19E+01	U
MU	59	326864002	5/20/2013	K-40	1.54E+03	8.27E+01	3.11E+01	
MU	59	326864002	5/20/2013	La-140	-4.01E-01	3.50E+00	1.14E+01	U
MU	59	326864002	5/20/2013	Mn-54	2.51E-01	9.42E-01	3.09E+00	U
MU	59	326864002	5/20/2013	Nb-95	1.37E+00	1.22E+00	3.78E+00	U
MU	59	326864002	5/20/2013	Pb-212	5.62E-01	3.26E+00	5.87E+00	U
MU	59	326864002	5/20/2013	Pb-214	-3.93E+00	3.10E+00	6.79E+00	U
MU	59	326864002	5/20/2013	Ra-226	-8.59E-01	2.97E+00	7.35E+00	U
MU	59	326864002	5/20/2013	Ru-103	-1.87E+00	1.29E+00	3.93E+00	U
MU	59	326864002	5/20/2013	Ru-106	1.83E+01	9.44E+00	2.94E+01	U
MU	59	326864002	5/20/2013	Sb-124	-1.64E+00	2.42E+00	7.50E+00	U
MU	59	326864002	5/20/2013	Sb-125	3.90E-01	2.47E+00	7.91E+00	U
MU	59	326864002	5/20/2013	Se-75	1.35E+00	1.30E+00	4.22E+00	U
MU	59	326864002	5/20/2013	Th-228	5.62E-01	3.26E+00	5.87E+00	U
MU	59	326864002	5/20/2013	Th-230	-8.59E-01	2.97E+00	7.35E+00	U
MU	59	326864002	5/20/2013	Tl-208	2.37E+00	1.57E+00	2.93E+00	U
MU	59	326864002	5/20/2013	Zn-65	3.76E+00	2.70E+00	7.79E+00	U
MU	59	326864002	5/20/2013	Zr-95	4.28E-01	2.00E+00	6.59E+00	U
MU	59	338254002	11/22/2013	Ac-228	1.23E+01	1.50E+01	2.67E+01	U
MU	59	338254002	11/22/2013	Ag-108m	-3.22E-01	1.44E+00	4.76E+00	U
MU	59	338254002	11/22/2013	Ag-110m	-8.28E-01	2.42E+00	7.74E+00	U
MU	59	338254002	11/22/2013	Ba-140	7.03E+00	1.46E+01	3.69E+01	U
MU	59	338254002	11/22/2013	Be-7	1.37E+01	1.66E+01	5.42E+01	U
MU	59	338254002	11/22/2013	Bi-214	3.26E+00	8.68E+00	1.25E+01	U
MU	59	338254002	11/22/2013	Ce-141	2.04E+00	5.59E+00	9.50E+00	U
MU	59	338254002	11/22/2013	Ce-144	-9.43E+00	1.02E+01	3.19E+01	U
MU	59	338254002	11/22/2013	Co-57	1.17E+00	1.30E+00	4.18E+00	U
MU	59	338254002	11/22/2013	Co-58	-2.39E+00	1.85E+00	5.57E+00	U
MU	59	338254002	11/22/2013	Co-60	-2.19E+00	1.86E+00	5.78E+00	U
MU	59	338254002	11/22/2013	Cr-51	-3.46E+01	2.25E+01	5.69E+01	U
MU	59	338254002	11/22/2013	Cs-134	-2.15E+00	1.93E+00	5.94E+00	U
MU	59	338254002	11/22/2013	Cs-137	1.81E+00	1.83E+00	5.93E+00	U
MU	59	338254002	11/22/2013	Fe-59	-8.93E-01	3.80E+00	1.24E+01	U
MU	59	338254002	11/22/2013	I-131	6.75E+00	4.90E+00	1.60E+01	U
MU	59	338254002	11/22/2013	K-40	1.43E+03	9.18E+01	5.77E+01	
MU	59	338254002	11/22/2013	La-140	8.87E+00	4.81E+00	1.32E+01	U
MU	59	338254002	11/22/2013	Mn-54	1.13E-01	1.78E+00	5.81E+00	U
MU	59	338254002	11/22/2013	Nb-95	6.87E-02	1.87E+00	6.14E+00	U
MU	59	338254002	11/22/2013	Pb-212	-2.38E+00	5.19E+00	1.16E+01	U
MU	59	338254002	11/22/2013	Pb-214	-8.17E+00	7.73E+00	1.47E+01	U
MU	59	338254002	11/22/2013	Ra-226	3.26E+00	8.68E+00	1.25E+01	U
MU	59	338254002	11/22/2013	Ru-103	9.72E-01	1.94E+00	6.36E+00	U

Seabrook REMP Summary of 2013 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
MU	59	338254002	11/22/2013	Ru-106	2.78E+01	1.74E+01	5.55E+01	U
MU	59	338254002	11/22/2013	Sb-124	-3.02E+00	4.56E+00	1.43E+01	U
MU	59	338254002	11/22/2013	Sb-125	5.03E+00	4.69E+00	1.54E+01	U
MU	59	338254002	11/22/2013	Se-75	2.63E+00	2.47E+00	7.41E+00	U
MU	59	338254002	11/22/2013	Th-228	-2.38E+00	5.19E+00	1.16E+01	U
MU	59	338254002	11/22/2013	Th-230	3.26E+00	8.68E+00	1.25E+01	U
MU	59	338254002	11/22/2013	Tl-208	1.13E+00	3.77E+00	5.87E+00	U
MU	59	338254002	11/22/2013	Zn-65	1.05E+01	5.21E+00	1.35E+01	U
MU	59	338254002	11/22/2013	Zr-95	-2.27E+00	3.29E+00	1.05E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
SE	02	326866001	5/21/2013	Ac-228	1.14E+03	1.39E+02	1.48E+02	
SE	02	326866001	5/21/2013	Ag-108m	3.95E+00	1.08E+01	3.84E+01	U
SE	02	326866001	5/21/2013	Ag-110m	-1.56E+01	1.64E+01	5.19E+01	U
SE	02	326866001	5/21/2013	Ba-140	-1.64E+02	1.08E+02	3.23E+02	U
SE	02	326866001	5/21/2013	Be-7	-1.56E+02	1.15E+02	3.58E+02	U
SE	02	326866001	5/21/2013	Bi-214	6.38E+02	6.46E+01	8.73E+01	
SE	02	326866001	5/21/2013	Ce-141	-1.09E+01	2.52E+01	7.86E+01	U
SE	02	326866001	5/21/2013	Ce-144	-9.29E+01	7.29E+01	2.46E+02	U
SE	02	326866001	5/21/2013	Co-57	-7.36E+00	8.47E+00	2.98E+01	U
SE	02	326866001	5/21/2013	Co-58	3.68E+00	1.25E+01	4.39E+01	U
SE	02	326866001	5/21/2013	Co-60	-6.38E+00	1.48E+01	4.66E+01	U
SE	02	326866001	5/21/2013	Cr-51	-1.48E+02	1.35E+02	4.55E+02	U
SE	02	326866001	5/21/2013	Cs-134	0.00E+00	2.33E+01	5.04E+01	U
SE	02	326866001	5/21/2013	Cs-137	5.40E+00	1.58E+01	4.73E+01	U
SE	02	326866001	5/21/2013	Fe-59	-5.52E+01	3.15E+01	8.28E+01	U
SE	02	326866001	5/21/2013	I-131	-1.91E+01	4.37E+01	1.53E+02	U
SE	02	326866001	5/21/2013	K-40	1.34E+04	8.11E+02	4.62E+02	
SE	02	326866001	5/21/2013	La-140	5.88E+01	3.46E+01	1.14E+02	U
SE	02	326866001	5/21/2013	Mn-54	1.29E+01	1.32E+01	4.65E+01	U
SE	02	326866001	5/21/2013	Nb-95	4.76E+01	1.89E+01	5.55E+01	U
SE	02	326866001	5/21/2013	Pb-212	1.26E+03	7.90E+01	6.99E+01	
SE	02	326866001	5/21/2013	Pb-214	9.92E+02	8.51E+01	9.65E+01	
SE	02	326866001	5/21/2013	Ra-226	6.38E+02	6.46E+01	8.73E+01	
SE	02	326866001	5/21/2013	Ru-103	5.08E+00	1.36E+01	4.79E+01	U
SE	02	326866001	5/21/2013	Ru-106	1.26E+01	1.26E+02	3.74E+02	U
SE	02	326866001	5/21/2013	Sb-124	3.40E+01	2.94E+01	1.05E+02	U
SE	02	326866001	5/21/2013	Sb-125	-6.95E+00	3.25E+01	1.14E+02	U
SE	02	326866001	5/21/2013	Se-75	-1.26E+01	1.63E+01	5.37E+01	U
SE	02	326866001	5/21/2013	Th-228	1.26E+03	7.90E+01	6.99E+01	
SE	02	326866001	5/21/2013	Th-230	6.38E+02	6.46E+01	8.73E+01	
SE	02	326866001	5/21/2013	Tl-208	3.27E+02	3.58E+01	4.26E+01	
SE	02	326866001	5/21/2013	Zn-65	5.22E+01	3.73E+01	8.12E+01	U
SE	02	326866001	5/21/2013	Zr-95	2.05E+01	2.25E+01	8.07E+01	U
SE	02	338258001	11/21/2013	Ac-228	1.03E+03	1.40E+02	1.71E+02	
SE	02	338258001	11/21/2013	Ag-108m	-3.38E+00	9.87E+00	3.43E+01	U
SE	02	338258001	11/21/2013	Ag-110m	1.62E+01	1.89E+01	5.83E+01	U
SE	02	338258001	11/21/2013	Ba-140	1.17E+02	2.75E+02	8.36E+02	U
SE	02	338258001	11/21/2013	Be-7	8.91E+01	1.35E+02	4.76E+02	U
SE	02	338258001	11/21/2013	Bi-214	7.55E+02	7.49E+01	8.09E+01	
SE	02	338258001	11/21/2013	Ce-141	3.67E+01	3.05E+01	1.10E+02	U
SE	02	338258001	11/21/2013	Ce-144	2.00E+02	8.74E+01	2.60E+02	U
SE	02	338258001	11/21/2013	Co-57	2.37E+01	1.42E+01	2.87E+01	U
SE	02	338258001	11/21/2013	Co-58	-3.17E+01	1.73E+01	4.83E+01	U
SE	02	338258001	11/21/2013	Co-60	-1.68E+01	1.67E+01	4.24E+01	U
SE	02	338258001	11/21/2013	Cr-51	3.46E+01	1.87E+02	6.45E+02	U
SE	02	338258001	11/21/2013	Cs-134	0.00E+00	2.50E+01	5.61E+01	U
SE	02	338258001	11/21/2013	Cs-137	-3.27E+01	1.59E+01	4.21E+01	U
SE	02	338258001	11/21/2013	Fe-59	-9.55E+01	4.92E+01	1.28E+02	U
SE	02	338258001	11/21/2013	I-131	-2.58E+02	1.89E+02	5.76E+02	U
SE	02	338258001	11/21/2013	K-40	1.34E+04	8.17E+02	3.81E+02	
SE	02	338258001	11/21/2013	La-140	1.45E+02	7.46E+01	2.44E+02	U

Seabrook REMP Summary of 2013 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
SE	02	338258001	11/21/2013	Mn-54	3.33E+01	1.17E+01	4.41E+01	U
SE	02	338258001	11/21/2013	Nb-95	6.28E+01	2.50E+01	7.08E+01	U
SE	02	338258001	11/21/2013	Pb-212	1.19E+03	7.00E+01	6.63E+01	
SE	02	338258001	11/21/2013	Pb-214	0.00E+00	6.70E+01	1.99E+02	U
SE	02	338258001	11/21/2013	Ra-226	7.55E+02	7.49E+01	8.09E+01	
SE	02	338258001	11/21/2013	Ru-103	-1.53E+00	1.85E+01	6.42E+01	U
SE	02	338258001	11/21/2013	Ru-106	-6.60E+01	1.11E+02	3.64E+02	U
SE	02	338258001	11/21/2013	Sb-124	-5.99E+01	3.98E+01	1.04E+02	U
SE	02	338258001	11/21/2013	Sb-125	-1.14E+01	3.23E+01	1.12E+02	U
SE	02	338258001	11/21/2013	Se-75	2.40E+01	1.95E+01	6.02E+01	U
SE	02	338258001	11/21/2013	Th-228	1.19E+03	7.00E+01	6.63E+01	
SE	02	338258001	11/21/2013	Th-230	7.55E+02	7.49E+01	8.09E+01	
SE	02	338258001	11/21/2013	Tl-208	3.51E+02	3.28E+01	4.13E+01	
SE	02	338258001	11/21/2013	Zn-65	3.59E+01	3.93E+01	1.17E+02	U
SE	02	338258001	11/21/2013	Zr-95	0.00E+00	5.45E+01	1.04E+02	U
SE	07	326865001	5/20/2013	Ac-228	3.57E+02	6.52E+01	1.07E+02	
SE	07	326865001	5/20/2013	Ag-108m	-6.79E+00	7.07E+00	2.32E+01	U
SE	07	326865001	5/20/2013	Ag-110m	3.99E+01	3.58E+01	4.70E+01	U
SE	07	326865001	5/20/2013	Ba-140	-1.07E+02	7.62E+01	2.30E+02	U
SE	07	326865001	5/20/2013	Be-7	4.14E+01	8.40E+01	2.93E+02	U
SE	07	326865001	5/20/2013	Bi-214	2.94E+02	4.01E+01	6.65E+01	
SE	07	326865001	5/20/2013	Ce-141	2.60E+00	1.66E+01	5.79E+01	U
SE	07	326865001	5/20/2013	Ce-144	-1.49E+00	5.06E+01	1.77E+02	U
SE	07	326865001	5/20/2013	Co-57	-4.25E+00	6.56E+00	2.25E+01	U
SE	07	326865001	5/20/2013	Co-58	-6.33E+00	9.55E+00	3.09E+01	U
SE	07	326865001	5/20/2013	Co-60	-8.03E+00	1.09E+01	3.40E+01	U
SE	07	326865001	5/20/2013	Cr-51	-3.22E+01	9.67E+01	3.26E+02	U
SE	07	326865001	5/20/2013	Cs-134	3.21E+01	1.42E+01	3.83E+01	U
SE	07	326865001	5/20/2013	Cs-137	1.31E+01	8.98E+00	3.11E+01	U
SE	07	326865001	5/20/2013	Fe-59	-1.67E+01	2.33E+01	7.48E+01	U
SE	07	326865001	5/20/2013	I-131	1.07E+01	3.14E+01	1.13E+02	U
SE	07	326865001	5/20/2013	K-40	1.78E+04	1.00E+03	2.64E+02	
SE	07	326865001	5/20/2013	La-140	4.84E+00	2.08E+01	6.04E+01	U
SE	07	326865001	5/20/2013	Mn-54	4.14E+00	9.49E+00	3.24E+01	U
SE	07	326865001	5/20/2013	Nb-95	9.48E+00	1.12E+01	3.40E+01	U
SE	07	326865001	5/20/2013	Pb-212	4.46E+02	3.52E+01	4.89E+01	
SE	07	326865001	5/20/2013	Pb-214	3.33E+02	4.29E+01	6.00E+01	
SE	07	326865001	5/20/2013	Ra-226	2.94E+02	4.01E+01	6.65E+01	
SE	07	326865001	5/20/2013	Ru-103	2.39E+00	9.99E+00	3.46E+01	U
SE	07	326865001	5/20/2013	Ru-106	-1.25E+02	8.33E+01	2.57E+02	U
SE	07	326865001	5/20/2013	Sb-124	9.62E+00	2.03E+01	6.90E+01	U
SE	07	326865001	5/20/2013	Sb-125	4.04E+01	2.59E+01	7.93E+01	U
SE	07	326865001	5/20/2013	Se-75	-4.34E+00	1.21E+01	3.86E+01	U
SE	07	326865001	5/20/2013	Th-228	4.46E+02	3.52E+01	4.89E+01	
SE	07	326865001	5/20/2013	Th-230	2.94E+02	4.01E+01	6.65E+01	
SE	07	326865001	5/20/2013	Tl-208	1.26E+02	1.70E+01	2.74E+01	
SE	07	326865001	5/20/2013	Zn-65	8.63E+00	2.83E+01	8.27E+01	U
SE	07	326865001	5/20/2013	Zr-95	2.54E+01	1.92E+01	6.57E+01	U
SE	07	338253001	11/12/2013	Ac-228	4.59E+02	1.06E+02	1.65E+02	
SE	07	338253001	11/12/2013	Ag-108m	1.46E+00	9.74E+00	3.34E+01	U
SE	07	338253001	11/12/2013	Ag-110m	-2.40E+01	2.01E+01	6.27E+01	U

Seabrook REMP Summary of 2013 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
SE	07	338253001	11/12/2013	Ba-140	-2.39E+01	3.49E+02	1.22E+03	U
SE	07	338253001	11/12/2013	Be-7	-2.23E+02	1.56E+02	4.57E+02	U
SE	07	338253001	11/12/2013	Bi-214	2.75E+02	5.66E+01	7.74E+01	
SE	07	338253001	11/12/2013	Ce-141	1.71E+01	3.52E+01	1.13E+02	U
SE	07	338253001	11/12/2013	Ce-144	-4.86E+01	5.96E+01	2.04E+02	U
SE	07	338253001	11/12/2013	Co-57	1.17E+01	8.39E+00	2.97E+01	U
SE	07	338253001	11/12/2013	Co-58	1.30E+01	1.59E+01	5.49E+01	U
SE	07	338253001	11/12/2013	Co-60	-1.58E+01	1.62E+01	4.84E+01	U
SE	07	338253001	11/12/2013	Cr-51	-2.10E+02	2.15E+02	7.07E+02	U
SE	07	338253001	11/12/2013	Cs-134	4.43E+01	1.93E+01	5.61E+01	U
SE	07	338253001	11/12/2013	Cs-137	-5.19E+00	1.30E+01	4.25E+01	U
SE	07	338253001	11/12/2013	Fe-59	3.90E+01	5.45E+01	1.88E+02	U
SE	07	338253001	11/12/2013	I-131	-7.60E+01	3.24E+02	1.11E+03	U
SE	07	338253001	11/12/2013	K-40	1.91E+04	1.06E+03	4.36E+02	
SE	07	338253001	11/12/2013	La-140	-1.21E+02	1.21E+02	3.54E+02	U
SE	07	338253001	11/12/2013	Mn-54	-3.68E+00	1.47E+01	4.82E+01	U
SE	07	338253001	11/12/2013	Nb-95	1.99E+01	2.08E+01	7.04E+01	U
SE	07	338253001	11/12/2013	Pb-212	4.76E+02	4.15E+01	5.93E+01	
SE	07	338253001	11/12/2013	Pb-214	3.21E+02	5.15E+01	7.67E+01	
SE	07	338253001	11/12/2013	Ra-226	2.75E+02	5.66E+01	7.74E+01	
SE	07	338253001	11/12/2013	Ru-103	3.84E+00	2.01E+01	7.19E+01	U
SE	07	338253001	11/12/2013	Ru-106	6.82E+01	1.15E+02	4.05E+02	U
SE	07	338253001	11/12/2013	Sb-124	-3.40E-01	3.59E+01	1.19E+02	U
SE	07	338253001	11/12/2013	Sb-125	4.04E+00	2.88E+01	9.89E+01	U
SE	07	338253001	11/12/2013	Se-75	1.20E+01	1.70E+01	5.73E+01	U
SE	07	338253001	11/12/2013	Th-228	4.76E+02	4.15E+01	5.93E+01	
SE	07	338253001	11/12/2013	Th-230	2.75E+02	5.66E+01	7.74E+01	
SE	07	338253001	11/12/2013	Tl-208	1.39E+02	2.52E+01	4.14E+01	
SE	07	338253001	11/12/2013	Zn-65	1.40E+01	3.74E+01	1.11E+02	U
SE	07	338253001	11/12/2013	Zr-95	-1.58E+01	3.14E+01	1.02E+02	U
SE	08	326865002	5/20/2013	Ac-228	2.89E+02	6.87E+01	1.29E+02	
SE	08	326865002	5/20/2013	Ag-108m	2.05E-01	7.53E+00	2.61E+01	U
SE	08	326865002	5/20/2013	Ag-110m	3.91E+00	1.38E+01	4.69E+01	U
SE	08	326865002	5/20/2013	Ba-140	6.85E+01	7.45E+01	2.56E+02	U
SE	08	326865002	5/20/2013	Be-7	9.96E+01	8.61E+01	2.96E+02	U
SE	08	326865002	5/20/2013	Bi-214	2.16E+02	3.98E+01	6.24E+01	
SE	08	326865002	5/20/2013	Ce-141	-1.67E+00	1.87E+01	6.64E+01	U
SE	08	326865002	5/20/2013	Ce-144	-2.70E+01	5.18E+01	1.85E+02	U
SE	08	326865002	5/20/2013	Co-57	-2.66E+00	6.64E+00	2.40E+01	U
SE	08	326865002	5/20/2013	Co-58	-1.54E+01	1.21E+01	3.24E+01	U
SE	08	326865002	5/20/2013	Co-60	4.91E+00	1.21E+01	3.54E+01	U
SE	08	326865002	5/20/2013	Cr-51	1.16E+02	1.02E+02	3.62E+02	U
SE	08	326865002	5/20/2013	Cs-134	0.00E+00	2.04E+01	3.64E+01	U
SE	08	326865002	5/20/2013	Cs-137	-7.47E+00	8.95E+00	2.94E+01	U
SE	08	326865002	5/20/2013	Fe-59	5.09E+00	2.79E+01	9.06E+01	U
SE	08	326865002	5/20/2013	I-131	-2.45E+01	4.04E+01	1.19E+02	U
SE	08	326865002	5/20/2013	K-40	2.10E+04	1.22E+03	2.73E+02	
SE	08	326865002	5/20/2013	La-140	7.11E-01	2.09E+01	7.07E+01	U
SE	08	326865002	5/20/2013	Mn-54	-9.70E+00	1.05E+01	3.35E+01	U
SE	08	326865002	5/20/2013	Nb-95	7.90E+00	1.08E+01	3.73E+01	U
SE	08	326865002	5/20/2013	Pb-212	3.81E+02	3.91E+01	4.82E+01	

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
SE	08	326865002	5/20/2013	Pb-214	2.02E+02	4.06E+01	6.77E+01	
SE	08	326865002	5/20/2013	Ra-226	2.16E+02	3.98E+01	6.24E+01	
SE	08	326865002	5/20/2013	Ru-103	2.19E+01	1.61E+01	3.19E+01	U
SE	08	326865002	5/20/2013	Ru-106	3.13E+01	7.83E+01	2.76E+02	U
SE	08	326865002	5/20/2013	Sb-124	-3.61E+01	2.27E+01	6.04E+01	U
SE	08	326865002	5/20/2013	Sb-125	9.18E+00	2.26E+01	7.92E+01	U
SE	08	326865002	5/20/2013	Se-75	9.39E+00	1.41E+01	4.27E+01	U
SE	08	326865002	5/20/2013	Th-228	3.81E+02	3.91E+01	4.82E+01	
SE	08	326865002	5/20/2013	Th-230	2.16E+02	3.98E+01	6.24E+01	
SE	08	326865002	5/20/2013	Tl-208	1.34E+02	1.96E+01	2.87E+01	
SE	08	326865002	5/20/2013	Zn-65	3.47E+01	2.03E+01	7.89E+01	U
SE	08	326865002	5/20/2013	Zr-95	4.22E+00	1.99E+01	6.85E+01	U
SE	08	338253002	11/12/2013	Ac-228	1.89E+02	8.42E+01	1.49E+02	
SE	08	338253002	11/12/2013	Ag-108m	-1.26E+01	9.56E+00	2.94E+01	U
SE	08	338253002	11/12/2013	Ag-110m	-1.97E+01	1.79E+01	5.47E+01	U
SE	08	338253002	11/12/2013	Ba-140	1.49E+02	2.64E+02	9.25E+02	U
SE	08	338253002	11/12/2013	Be-7	-3.00E+02	1.58E+02	4.26E+02	U
SE	08	338253002	11/12/2013	Bi-214	2.67E+02	4.74E+01	7.88E+01	
SE	08	338253002	11/12/2013	Ce-141	-8.14E+00	2.78E+01	9.74E+01	U
SE	08	338253002	11/12/2013	Ce-144	1.01E+02	6.22E+01	2.09E+02	U
SE	08	338253002	11/12/2013	Co-57	7.56E+00	7.87E+00	2.85E+01	U
SE	08	338253002	11/12/2013	Co-58	1.43E+01	1.76E+01	6.22E+01	U
SE	08	338253002	11/12/2013	Co-60	1.54E+01	1.37E+01	4.40E+01	U
SE	08	338253002	11/12/2013	Cr-51	-2.10E+02	2.15E+02	7.18E+02	U
SE	08	338253002	11/12/2013	Cs-134	2.58E+01	1.40E+01	4.83E+01	U
SE	08	338253002	11/12/2013	Cs-137	-1.43E+01	1.13E+01	3.51E+01	U
SE	08	338253002	11/12/2013	Fe-59	-1.23E+01	4.74E+01	1.55E+02	U
SE	08	338253002	11/12/2013	I-131	-3.07E+02	3.40E+02	1.11E+03	U
SE	08	338253002	11/12/2013	K-40	1.89E+04	1.06E+03	2.80E+02	
SE	08	338253002	11/12/2013	La-140	-2.45E+01	1.09E+02	3.53E+02	U
SE	08	338253002	11/12/2013	Mn-54	-2.86E+00	1.38E+01	4.03E+01	U
SE	08	338253002	11/12/2013	Nb-95	2.06E+00	1.70E+01	5.94E+01	U
SE	08	338253002	11/12/2013	Pb-212	3.39E+02	3.69E+01	6.30E+01	
SE	08	338253002	11/12/2013	Pb-214	4.22E+02	5.25E+01	6.56E+01	
SE	08	338253002	11/12/2013	Ra-226	2.67E+02	4.74E+01	7.88E+01	
SE	08	338253002	11/12/2013	Ru-103	2.61E+01	1.99E+01	6.97E+01	U
SE	08	338253002	11/12/2013	Ru-106	-5.93E+01	1.05E+02	3.35E+02	U
SE	08	338253002	11/12/2013	Sb-124	-3.30E+01	3.64E+01	1.04E+02	U
SE	08	338253002	11/12/2013	Sb-125	3.19E+01	2.85E+01	1.01E+02	U
SE	08	338253002	11/12/2013	Se-75	-1.04E+01	1.46E+01	5.07E+01	U
SE	08	338253002	11/12/2013	Th-228	3.39E+02	3.69E+01	6.30E+01	
SE	08	338253002	11/12/2013	Th-230	2.67E+02	4.74E+01	7.88E+01	
SE	08	338253002	11/12/2013	Tl-208	1.17E+02	2.20E+01	3.66E+01	
SE	08	338253002	11/12/2013	Zn-65	-7.17E+00	3.93E+01	1.11E+02	U
SE	08	338253002	11/12/2013	Zr-95	6.52E+00	2.93E+01	1.03E+02	U
SE	52	326866002	5/21/2013	Ac-228	1.55E+03	1.82E+02	2.69E+02	
SE	52	326866002	5/21/2013	Ag-108m	7.58E+00	1.71E+01	5.70E+01	U
SE	52	326866002	5/21/2013	Ag-110m	-1.84E+01	2.82E+01	8.97E+01	U
SE	52	326866002	5/21/2013	Ba-140	-2.95E+02	1.71E+02	5.15E+02	U
SE	52	326866002	5/21/2013	Be-7	-1.56E+02	1.86E+02	5.96E+02	U
SE	52	326866002	5/21/2013	Bi-214	8.62E+02	1.03E+02	1.39E+02	

Seabrook REMP Summary of 2013 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
SE	52	326866002	5/21/2013	Ce-141	-2.56E+01	3.57E+01	1.21E+02	U
SE	52	326866002	5/21/2013	Ce-144	-4.82E+01	1.14E+02	3.50E+02	U
SE	52	326866002	5/21/2013	Co-57	3.79E+00	1.22E+01	4.37E+01	U
SE	52	326866002	5/21/2013	Co-58	-1.65E+01	2.24E+01	7.16E+01	U
SE	52	326866002	5/21/2013	Co-60	-3.84E+00	1.99E+01	6.47E+01	U
SE	52	326866002	5/21/2013	Cr-51	3.28E+02	2.48E+02	7.51E+02	U
SE	52	326866002	5/21/2013	Cs-134	8.88E+01	4.32E+01	9.55E+01	U
SE	52	326866002	5/21/2013	Cs-137	-1.13E+01	2.15E+01	7.18E+01	U
SE	52	326866002	5/21/2013	Fe-59	1.47E+01	4.79E+01	1.63E+02	U
SE	52	326866002	5/21/2013	I-131	1.76E+02	8.35E+01	2.67E+02	U
SE	52	326866002	5/21/2013	K-40	1.28E+04	8.35E+02	7.17E+02	
SE	52	326866002	5/21/2013	La-140	5.64E+01	5.55E+01	1.69E+02	U
SE	52	326866002	5/21/2013	Mn-54	-1.49E+01	2.12E+01	6.78E+01	U
SE	52	326866002	5/21/2013	Nb-95	5.63E+01	3.28E+01	9.42E+01	U
SE	52	326866002	5/21/2013	Pb-212	1.66E+03	1.06E+02	9.95E+01	
SE	52	326866002	5/21/2013	Pb-214	1.24E+03	1.18E+02	1.35E+02	
SE	52	326866002	5/21/2013	Ra-226	8.62E+02	1.03E+02	1.39E+02	
SE	52	326866002	5/21/2013	Ru-103	-2.53E+01	2.36E+01	7.38E+01	U
SE	52	326866002	5/21/2013	Ru-106	3.62E+02	1.66E+02	5.95E+02	U
SE	52	326866002	5/21/2013	Sb-124	2.77E-01	4.81E+01	1.36E+02	U
SE	52	326866002	5/21/2013	Sb-125	4.21E+01	5.10E+01	1.75E+02	U
SE	52	326866002	5/21/2013	Se-75	2.73E+01	2.98E+01	8.22E+01	U
SE	52	326866002	5/21/2013	Th-228	1.66E+03	1.06E+02	9.95E+01	
SE	52	326866002	5/21/2013	Th-230	8.62E+02	1.03E+02	1.39E+02	
SE	52	326866002	5/21/2013	Tl-208	4.88E+02	4.76E+01	6.20E+01	
SE	52	326866002	5/21/2013	Zn-65	4.34E+01	5.24E+01	1.55E+02	U
SE	52	326866002	5/21/2013	Zr-95	1.90E+01	4.49E+01	1.53E+02	U
SE	52	338258002	11/21/2013	Ac-228	2.99E+03	2.58E+02	1.70E+02	
SE	52	338258002	11/21/2013	Ag-108m	1.13E+01	1.30E+01	4.51E+01	U
SE	52	338258002	11/21/2013	Ag-110m	2.13E+01	2.17E+01	7.48E+01	U
SE	52	338258002	11/21/2013	Ba-140	-5.03E+02	3.23E+02	9.53E+02	U
SE	52	338258002	11/21/2013	Be-7	2.13E+02	2.31E+02	6.08E+02	U
SE	52	338258002	11/21/2013	Bi-214	1.83E+03	1.19E+02	1.08E+02	
SE	52	338258002	11/21/2013	Ce-141	-1.94E+01	4.21E+01	1.47E+02	U
SE	52	338258002	11/21/2013	Ce-144	-8.51E+01	1.09E+02	3.36E+02	U
SE	52	338258002	11/21/2013	Co-57	1.77E+01	1.29E+01	4.52E+01	U
SE	52	338258002	11/21/2013	Co-58	2.64E+01	2.09E+01	6.45E+01	U
SE	52	338258002	11/21/2013	Co-60	-9.50E+00	1.57E+01	5.10E+01	U
SE	52	338258002	11/21/2013	Cr-51	-5.79E+01	2.59E+02	9.17E+02	U
SE	52	338258002	11/21/2013	Cs-134	0.00E+00	5.10E+01	9.24E+01	U
SE	52	338258002	11/21/2013	Cs-137	2.83E+01	1.97E+01	5.81E+01	U
SE	52	338258002	11/21/2013	Fe-59	1.74E+01	5.05E+01	1.69E+02	U
SE	52	338258002	11/21/2013	I-131	-2.48E+02	2.26E+02	7.46E+02	U
SE	52	338258002	11/21/2013	K-40	1.18E+04	7.63E+02	4.46E+02	
SE	52	338258002	11/21/2013	La-140	9.70E+01	1.14E+02	3.46E+02	U
SE	52	338258002	11/21/2013	Mn-54	2.07E+01	2.09E+01	6.34E+01	U
SE	52	338258002	11/21/2013	Nb-95	5.20E+01	2.77E+01	8.22E+01	U
SE	52	338258002	11/21/2013	Pb-212	3.34E+03	1.66E+02	9.37E+01	
SE	52	338258002	11/21/2013	Pb-214	0.00E+00	1.29E+02	3.14E+02	U
SE	52	338258002	11/21/2013	Ra-226	1.83E+03	1.19E+02	1.08E+02	
SE	52	338258002	11/21/2013	Ru-103	-2.06E+01	2.43E+01	7.86E+01	U

Seabrook REMP Summary of 2013 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
SE	52	338258002	11/21/2013	Ru-106	2.08E+02	1.53E+02	5.08E+02	U
SE	52	338258002	11/21/2013	Sb-124	-3.54E+01	4.75E+01	1.45E+02	U
SE	52	338258002	11/21/2013	Sb-125	1.41E+01	4.14E+01	1.45E+02	U
SE	52	338258002	11/21/2013	Se-75	2.48E+00	2.33E+01	7.48E+01	U
SE	52	338258002	11/21/2013	Th-228	3.34E+03	1.66E+02	9.37E+01	
SE	52	338258002	11/21/2013	Th-230	1.83E+03	1.19E+02	1.08E+02	
SE	52	338258002	11/21/2013	Tl-208	1.01E+03	6.33E+01	5.70E+01	
SE	52	338258002	11/21/2013	Zn-65	6.63E+01	5.81E+01	1.25E+02	U
SE	52	338258002	11/21/2013	Zr-95	1.54E+01	3.73E+01	1.30E+02	U
SE	57	326865003	5/20/2013	Ac-228	1.67E+02	1.30E+02	2.26E+02	U
SE	57	326865003	5/20/2013	Ag-108m	-8.58E+00	1.50E+01	4.81E+01	U
SE	57	326865003	5/20/2013	Ag-110m	5.21E+00	2.57E+01	8.64E+01	U
SE	57	326865003	5/20/2013	Ba-140	-4.42E+01	1.58E+02	4.71E+02	U
SE	57	326865003	5/20/2013	Be-7	1.61E+02	1.53E+02	5.23E+02	U
SE	57	326865003	5/20/2013	Bi-214	3.54E+02	6.00E+01	1.14E+02	
SE	57	326865003	5/20/2013	Ce-141	-1.19E+01	2.74E+01	9.48E+01	U
SE	57	326865003	5/20/2013	Ce-144	8.40E+01	7.84E+01	2.79E+02	U
SE	57	326865003	5/20/2013	Co-57	-1.71E+01	1.00E+01	3.18E+01	U
SE	57	326865003	5/20/2013	Co-58	-2.30E+01	2.07E+01	6.41E+01	U
SE	57	326865003	5/20/2013	Co-60	2.80E+01	1.99E+01	6.71E+01	U
SE	57	326865003	5/20/2013	Cr-51	1.37E+02	1.79E+02	6.33E+02	U
SE	57	326865003	5/20/2013	Cs-134	1.83E+01	1.98E+01	6.76E+01	U
SE	57	326865003	5/20/2013	Cs-137	1.88E+01	1.81E+01	6.26E+01	U
SE	57	326865003	5/20/2013	Fe-59	-2.90E+01	4.79E+01	1.49E+02	U
SE	57	326865003	5/20/2013	I-131	3.85E+01	6.28E+01	2.21E+02	U
SE	57	326865003	5/20/2013	K-40	1.51E+04	9.18E+02	5.25E+02	
SE	57	326865003	5/20/2013	La-140	-7.17E+01	4.42E+01	1.18E+02	U
SE	57	326865003	5/20/2013	Mn-54	-7.60E+00	1.81E+01	5.92E+01	U
SE	57	326865003	5/20/2013	Nb-95	4.14E+01	2.16E+01	7.07E+01	U
SE	57	326865003	5/20/2013	Pb-212	4.65E+02	5.06E+01	8.15E+01	
SE	57	326865003	5/20/2013	Pb-214	2.60E+02	6.91E+01	1.20E+02	
SE	57	326865003	5/20/2013	Ra-226	3.54E+02	6.00E+01	1.14E+02	
SE	57	326865003	5/20/2013	Ru-103	-8.71E+00	1.99E+01	6.58E+01	U
SE	57	326865003	5/20/2013	Ru-106	6.57E+01	1.57E+02	5.48E+02	U
SE	57	326865003	5/20/2013	Sb-124	-6.60E+01	4.77E+01	1.02E+02	U
SE	57	326865003	5/20/2013	Sb-125	4.08E+01	4.33E+01	1.49E+02	U
SE	57	326865003	5/20/2013	Se-75	3.56E+01	2.01E+01	6.90E+01	U
SE	57	326865003	5/20/2013	Th-228	4.65E+02	5.06E+01	8.15E+01	
SE	57	326865003	5/20/2013	Th-230	3.54E+02	6.00E+01	1.14E+02	
SE	57	326865003	5/20/2013	Tl-208	1.47E+02	3.67E+01	5.79E+01	
SE	57	326865003	5/20/2013	Zn-65	6.68E+01	4.45E+01	1.49E+02	U
SE	57	326865003	5/20/2013	Zr-95	6.78E+01	3.93E+01	1.31E+02	U
SE	57	338253003	11/22/2013	Ac-228	3.92E+02	7.59E+01	1.60E+02	
SE	57	338253003	11/22/2013	Ag-108m	-8.61E+00	1.16E+01	3.18E+01	U
SE	57	338253003	11/22/2013	Ag-110m	-1.25E+01	2.09E+01	5.54E+01	U
SE	57	338253003	11/22/2013	Ba-140	-1.57E+02	1.89E+02	6.16E+02	U
SE	57	338253003	11/22/2013	Be-7	-1.52E+02	1.19E+02	3.74E+02	U
SE	57	338253003	11/22/2013	Bi-214	2.24E+02	4.81E+01	7.64E+01	
SE	57	338253003	11/22/2013	Ce-141	2.06E+01	2.95E+01	1.03E+02	U
SE	57	338253003	11/22/2013	Ce-144	6.00E+01	6.60E+01	2.31E+02	U
SE	57	338253003	11/22/2013	Co-57	-1.15E+01	8.42E+00	2.67E+01	U

Seabrook REMP Summary of 2013 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
SE	57	338253003	11/22/2013	Co-58	1.26E+01	1.55E+01	5.35E+01	U
SE	57	338253003	11/22/2013	Co-60	1.44E+01	1.49E+01	4.74E+01	U
SE	57	338253003	11/22/2013	Cr-51	-5.55E+00	1.89E+02	6.57E+02	U
SE	57	338253003	11/22/2013	Cs-134	1.06E+01	1.46E+01	5.01E+01	U
SE	57	338253003	11/22/2013	Cs-137	-1.13E+01	1.28E+01	4.09E+01	U
SE	57	338253003	11/22/2013	Fe-59	8.89E+00	4.93E+01	1.51E+02	U
SE	57	338253003	11/22/2013	I-131	-7.04E+01	1.48E+02	4.93E+02	U
SE	57	338253003	11/22/2013	K-40	1.54E+04	9.04E+02	3.89E+02	
SE	57	338253003	11/22/2013	La-140	5.69E+01	7.22E+01	2.56E+02	U
SE	57	338253003	11/22/2013	Mn-54	-1.94E+01	1.58E+01	3.83E+01	U
SE	57	338253003	11/22/2013	Nb-95	8.40E+00	1.55E+01	5.35E+01	U
SE	57	338253003	11/22/2013	Pb-212	3.77E+02	4.01E+01	6.27E+01	
SE	57	338253003	11/22/2013	Pb-214	0.00E+00	5.63E+01	1.43E+02	U
SE	57	338253003	11/22/2013	Ra-226	2.24E+02	4.81E+01	7.64E+01	
SE	57	338253003	11/22/2013	Ru-103	-1.65E+01	1.81E+01	5.98E+01	U
SE	57	338253003	11/22/2013	Ru-106	-1.59E+02	1.12E+02	3.34E+02	U
SE	57	338253003	11/22/2013	Sb-124	-2.16E+01	3.13E+01	9.44E+01	U
SE	57	338253003	11/22/2013	Sb-125	-4.78E+01	3.78E+01	9.66E+01	U
SE	57	338253003	11/22/2013	Se-75	-2.36E+01	1.67E+01	5.07E+01	U
SE	57	338253003	11/22/2013	Th-228	3.77E+02	4.01E+01	6.27E+01	
SE	57	338253003	11/22/2013	Th-230	2.24E+02	4.81E+01	7.64E+01	
SE	57	338253003	11/22/2013	Tl-208	9.20E+01	2.38E+01	3.43E+01	
SE	57	338253003	11/22/2013	Zn-65	2.85E+01	3.56E+01	1.16E+02	U
SE	57	338253003	11/22/2013	Zr-95	1.29E+01	2.94E+01	1.01E+02	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TF	02	328694001	6/25/2013	Ac-228	2.50E+00	8.57E+00	2.18E+01	U
TF	02	328694001	6/25/2013	Ag-108m	-1.86E+00	1.33E+00	3.39E+00	U
TF	02	328694001	6/25/2013	Ag-110m	1.49E-01	1.75E+00	5.79E+00	U
TF	02	328694001	6/25/2013	Ba-140	-7.15E+00	8.92E+00	2.75E+01	U
TF	02	328694001	6/25/2013	Be-7	5.90E+01	1.71E+01	3.68E+01	
TF	02	328694001	6/25/2013	Ce-141	4.53E+00	2.64E+00	7.21E+00	U
TF	02	328694001	6/25/2013	Ce-144	1.67E+00	7.40E+00	2.38E+01	U
TF	02	328694001	6/25/2013	Co-57	4.36E-01	9.73E-01	3.14E+00	U
TF	02	328694001	6/25/2013	Co-58	1.86E+00	1.53E+00	4.48E+00	U
TF	02	328694001	6/25/2013	Co-60	-2.05E+00	2.59E+00	5.22E+00	U
TF	02	328694001	6/25/2013	Cr-51	5.38E+00	1.27E+01	4.23E+01	U
TF	02	328694001	6/25/2013	Cs-134	6.81E-01	1.39E+00	4.66E+00	U
TF	02	328694001	6/25/2013	Cs-137	2.69E+00	2.09E+00	4.07E+00	U
TF	02	328694001	6/25/2013	Fe-59	-4.42E+00	3.20E+00	9.23E+00	U
TF	02	328694001	6/25/2013	I-131	-3.05E+00	3.83E+00	1.22E+01	U
TF	02	328694001	6/25/2013	K-40	1.36E+03	8.38E+01	4.14E+01	
TF	02	328694001	6/25/2013	La-140	6.70E-01	2.93E+00	9.82E+00	U
TF	02	328694001	6/25/2013	Mn-54	1.28E+00	1.26E+00	4.18E+00	U
TF	02	328694001	6/25/2013	Nb-95	1.64E+00	1.39E+00	4.63E+00	U
TF	02	328694001	6/25/2013	Ru-103	-9.45E-01	1.61E+00	4.40E+00	U
TF	02	328694001	6/25/2013	Ru-106	6.53E+00	1.12E+01	3.82E+01	U
TF	02	328694001	6/25/2013	Sb-124	-3.76E-01	2.84E+00	9.28E+00	U
TF	02	328694001	6/25/2013	Sb-125	-1.78E-01	3.19E+00	1.04E+01	U
TF	02	328694001	6/25/2013	Se-75	-4.79E-01	1.62E+00	5.38E+00	U
TF	02	328694001	6/25/2013	Th-228	-1.79E+00	3.73E+00	8.54E+00	U
TF	02	328694001	6/25/2013	Zn-65	-5.92E+00	3.48E+00	9.61E+00	U
TF	02	328694001	6/25/2013	Zr-95	1.74E+00	2.52E+00	8.48E+00	U
TF	02	330576001	7/26/2013	Ac-228	-1.76E+01	7.92E+00	1.62E+01	U
TF	02	330576001	7/26/2013	Ag-108m	1.99E-01	1.07E+00	3.08E+00	U
TF	02	330576001	7/26/2013	Ag-110m	5.55E-01	1.65E+00	5.49E+00	U
TF	02	330576001	7/26/2013	Ba-140	-6.86E+00	7.59E+00	2.33E+01	U
TF	02	330576001	7/26/2013	Be-7	0.00E+00	1.57E+01	3.70E+01	U
TF	02	330576001	7/26/2013	Ce-141	-4.74E+00	3.14E+00	6.76E+00	U
TF	02	330576001	7/26/2013	Ce-144	7.57E-01	7.13E+00	2.28E+01	U
TF	02	330576001	7/26/2013	Co-57	3.03E-01	9.80E-01	3.15E+00	U
TF	02	330576001	7/26/2013	Co-58	-1.08E-01	1.19E+00	3.95E+00	U
TF	02	330576001	7/26/2013	Co-60	-1.37E+00	1.43E+00	4.31E+00	U
TF	02	330576001	7/26/2013	Cr-51	6.35E+00	1.17E+01	3.90E+01	U
TF	02	330576001	7/26/2013	Cs-134	-1.28E+00	1.27E+00	3.96E+00	U
TF	02	330576001	7/26/2013	Cs-137	1.07E+00	1.24E+00	3.83E+00	U
TF	02	330576001	7/26/2013	Fe-59	9.15E-01	3.56E+00	1.02E+01	U
TF	02	330576001	7/26/2013	I-131	8.37E-01	2.87E+00	9.48E+00	U
TF	02	330576001	7/26/2013	K-40	2.19E+03	1.13E+02	3.54E+01	
TF	02	330576001	7/26/2013	La-140	-6.32E-03	2.17E+00	7.22E+00	U
TF	02	330576001	7/26/2013	Mn-54	-9.78E-01	1.20E+00	3.81E+00	U
TF	02	330576001	7/26/2013	Nb-95	1.52E+00	1.26E+00	4.19E+00	U
TF	02	330576001	7/26/2013	Ru-103	3.96E-01	1.37E+00	4.46E+00	U
TF	02	330576001	7/26/2013	Ru-106	5.30E+00	1.10E+01	3.53E+01	U
TF	02	330576001	7/26/2013	Sb-124	4.46E+00	2.79E+00	9.41E+00	U
TF	02	330576001	7/26/2013	Sb-125	-4.73E-01	3.05E+00	9.90E+00	U
TF	02	330576001	7/26/2013	Se-75	2.27E-01	1.51E+00	5.05E+00	U
TF	02	330576001	7/26/2013	Th-228	-2.27E+00	3.05E+00	7.35E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TF	02	330576001	7/26/2013	Zn-65	-7.23E-01	2.91E+00	9.40E+00	U
TF	02	330576001	7/26/2013	Zr-95	-1.24E+00	2.17E+00	7.08E+00	U
TF	02	332176001	8/20/2013	Ac-228	3.15E+00	7.22E+00	2.08E+01	U
TF	02	332176001	8/20/2013	Ag-108m	9.36E-01	1.23E+00	4.05E+00	U
TF	02	332176001	8/20/2013	Ag-110m	2.56E+00	2.12E+00	7.03E+00	U
TF	02	332176001	8/20/2013	Ba-140	2.39E+01	1.58E+01	2.43E+01	U
TF	02	332176001	8/20/2013	Be-7	4.33E+01	1.90E+01	4.00E+01	
TF	02	332176001	8/20/2013	Ce-141	3.35E+00	2.50E+00	7.78E+00	U
TF	02	332176001	8/20/2013	Ce-144	4.10E+00	9.52E+00	2.90E+01	U
TF	02	332176001	8/20/2013	Co-57	8.11E-01	1.18E+00	3.79E+00	U
TF	02	332176001	8/20/2013	Co-58	-2.54E-01	1.34E+00	4.43E+00	U
TF	02	332176001	8/20/2013	Co-60	5.70E-01	1.57E+00	5.14E+00	U
TF	02	332176001	8/20/2013	Cr-51	1.33E+01	1.34E+01	4.41E+01	U
TF	02	332176001	8/20/2013	Cs-134	1.20E+00	1.53E+00	5.15E+00	U
TF	02	332176001	8/20/2013	Cs-137	-1.21E+00	1.71E+00	4.78E+00	U
TF	02	332176001	8/20/2013	Fe-59	-4.10E+00	3.67E+00	1.10E+01	U
TF	02	332176001	8/20/2013	I-131	1.18E+00	2.75E+00	9.10E+00	U
TF	02	332176001	8/20/2013	K-40	3.03E+03	1.54E+02	4.78E+01	
TF	02	332176001	8/20/2013	La-140	-1.49E+00	2.10E+00	6.56E+00	U
TF	02	332176001	8/20/2013	Mn-54	-1.96E+00	1.43E+00	4.24E+00	U
TF	02	332176001	8/20/2013	Nb-95	1.37E+00	1.49E+00	5.01E+00	U
TF	02	332176001	8/20/2013	Ru-103	3.52E+00	2.86E+00	4.59E+00	U
TF	02	332176001	8/20/2013	Ru-106	-7.92E+00	1.30E+01	4.01E+01	U
TF	02	332176001	8/20/2013	Sb-124	-2.96E+00	2.61E+00	7.49E+00	U
TF	02	332176001	8/20/2013	Sb-125	4.84E+00	3.82E+00	1.24E+01	U
TF	02	332176001	8/20/2013	Se-75	3.49E+00	2.02E+00	6.40E+00	U
TF	02	332176001	8/20/2013	Th-228	3.23E+00	3.74E+00	9.33E+00	U
TF	02	332176001	8/20/2013	Zn-65	-5.89E+00	4.02E+00	1.15E+01	U
TF	02	332176001	8/20/2013	Zr-95	0.00E+00	4.58E+00	9.17E+00	U
TF	03	328694002	6/25/2013	Ac-228	6.27E+00	8.32E+00	1.38E+01	U
TF	03	328694002	6/25/2013	Ag-108m	-2.68E+00	1.17E+00	3.01E+00	U
TF	03	328694002	6/25/2013	Ag-110m	-1.52E+00	1.62E+00	5.01E+00	U
TF	03	328694002	6/25/2013	Ba-140	1.99E+00	7.82E+00	2.55E+01	U
TF	03	328694002	6/25/2013	Be-7	1.26E+02	1.98E+01	2.97E+01	
TF	03	328694002	6/25/2013	Ce-141	-4.67E+00	2.48E+00	5.78E+00	U
TF	03	328694002	6/25/2013	Ce-144	-5.06E-01	6.70E+00	1.95E+01	U
TF	03	328694002	6/25/2013	Co-57	2.16E-01	8.10E-01	2.66E+00	U
TF	03	328694002	6/25/2013	Co-58	-2.10E+00	1.47E+00	3.68E+00	U
TF	03	328694002	6/25/2013	Co-60	3.08E-03	1.25E+00	4.20E+00	U
TF	03	328694002	6/25/2013	Cr-51	1.29E+01	1.19E+01	3.93E+01	U
TF	03	328694002	6/25/2013	Cs-134	1.34E+00	1.38E+00	4.09E+00	U
TF	03	328694002	6/25/2013	Cs-137	2.16E+00	1.21E+00	3.94E+00	U
TF	03	328694002	6/25/2013	Fe-59	2.21E+00	2.55E+00	8.43E+00	U
TF	03	328694002	6/25/2013	I-131	6.46E+00	3.61E+00	1.14E+01	U
TF	03	328694002	6/25/2013	K-40	1.13E+03	6.77E+01	3.96E+01	
TF	03	328694002	6/25/2013	La-140	-1.79E-01	2.93E+00	8.28E+00	U
TF	03	328694002	6/25/2013	Mn-54	-7.24E-01	1.15E+00	3.70E+00	U
TF	03	328694002	6/25/2013	Nb-95	-2.82E-01	1.48E+00	3.76E+00	U
TF	03	328694002	6/25/2013	Ru-103	2.33E-01	1.25E+00	4.09E+00	U
TF	03	328694002	6/25/2013	Ru-106	4.50E+00	9.99E+00	3.24E+01	U
TF	03	328694002	6/25/2013	Sb-124	4.52E+00	3.63E+00	9.09E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TF	03	328694002	6/25/2013	Sb-125	7.57E-01	2.98E+00	9.85E+00	U
TF	03	328694002	6/25/2013	Se-75	1.26E+00	1.35E+00	4.54E+00	U
TF	03	328694002	6/25/2013	Th-228	-2.30E+00	2.85E+00	6.86E+00	U
TF	03	328694002	6/25/2013	Zn-65	4.21E+00	2.89E+00	9.33E+00	U
TF	03	328694002	6/25/2013	Zr-95	8.67E-01	1.97E+00	6.66E+00	U
TF	03	330576002	7/26/2013	Ac-228	-3.98E+00	9.71E+00	2.03E+01	U
TF	03	330576002	7/26/2013	Ag-108m	4.75E-01	1.23E+00	4.00E+00	U
TF	03	330576002	7/26/2013	Ag-110m	-1.09E+00	2.27E+00	6.42E+00	U
TF	03	330576002	7/26/2013	Ba-140	3.62E+00	8.86E+00	2.99E+01	U
TF	03	330576002	7/26/2013	Be-7	1.39E+01	1.32E+01	4.20E+01	U
TF	03	330576002	7/26/2013	Ce-141	-6.53E-01	2.29E+00	7.40E+00	U
TF	03	330576002	7/26/2013	Ce-144	3.49E+00	8.12E+00	2.38E+01	U
TF	03	330576002	7/26/2013	Co-57	7.72E-01	9.86E-01	3.22E+00	U
TF	03	330576002	7/26/2013	Co-58	8.01E-01	1.51E+00	4.94E+00	U
TF	03	330576002	7/26/2013	Co-60	-8.93E-02	1.51E+00	4.88E+00	U
TF	03	330576002	7/26/2013	Cr-51	2.92E+01	1.49E+01	4.56E+01	U
TF	03	330576002	7/26/2013	Cs-134	-1.17E+00	1.55E+00	4.85E+00	U
TF	03	330576002	7/26/2013	Cs-137	2.02E+00	2.75E+00	4.49E+00	U
TF	03	330576002	7/26/2013	Fe-59	-1.67E+00	4.08E+00	1.13E+01	U
TF	03	330576002	7/26/2013	I-131	1.46E+00	3.77E+00	1.24E+01	U
TF	03	330576002	7/26/2013	K-40	1.95E+03	1.06E+02	4.31E+01	
TF	03	330576002	7/26/2013	La-140	4.02E+00	3.00E+00	1.00E+01	U
TF	03	330576002	7/26/2013	Mn-54	2.65E-01	1.37E+00	4.44E+00	U
TF	03	330576002	7/26/2013	Nb-95	2.33E+00	2.55E+00	5.70E+00	U
TF	03	330576002	7/26/2013	Ru-103	-2.78E+00	1.58E+00	4.65E+00	U
TF	03	330576002	7/26/2013	Ru-106	-1.70E+01	1.27E+01	3.85E+01	U
TF	03	330576002	7/26/2013	Sb-124	4.50E+00	3.58E+00	1.20E+01	U
TF	03	330576002	7/26/2013	Sb-125	-1.87E+00	4.15E+00	1.15E+01	U
TF	03	330576002	7/26/2013	Se-75	-8.20E-01	1.68E+00	5.57E+00	U
TF	03	330576002	7/26/2013	Th-228	-2.63E+00	3.47E+00	7.85E+00	U
TF	03	330576002	7/26/2013	Zn-65	1.33E+00	3.60E+00	1.03E+01	U
TF	03	330576002	7/26/2013	Zr-95	2.38E+00	2.82E+00	9.22E+00	U
TF	03	332176002	8/20/2013	Ac-228	2.02E+01	1.14E+01	2.58E+01	U
TF	03	332176002	8/20/2013	Ag-108m	3.56E-01	1.33E+00	4.09E+00	U
TF	03	332176002	8/20/2013	Ag-110m	4.71E-01	2.33E+00	7.77E+00	U
TF	03	332176002	8/20/2013	Ba-140	-1.09E+01	8.82E+00	2.63E+01	U
TF	03	332176002	8/20/2013	Be-7	6.18E+01	2.27E+01	4.14E+01	
TF	03	332176002	8/20/2013	Ce-141	2.27E+00	2.66E+00	7.78E+00	U
TF	03	332176002	8/20/2013	Ce-144	-3.02E+00	8.10E+00	2.63E+01	U
TF	03	332176002	8/20/2013	Co-57	6.64E-01	1.13E+00	3.72E+00	U
TF	03	332176002	8/20/2013	Co-58	-1.50E+00	1.57E+00	4.90E+00	U
TF	03	332176002	8/20/2013	Co-60	-9.46E-01	1.77E+00	5.74E+00	U
TF	03	332176002	8/20/2013	Cr-51	-2.33E+01	1.40E+01	4.13E+01	U
TF	03	332176002	8/20/2013	Cs-134	2.71E+00	1.87E+00	6.16E+00	U
TF	03	332176002	8/20/2013	Cs-137	-1.67E+00	1.79E+00	5.42E+00	U
TF	03	332176002	8/20/2013	Fe-59	-4.02E-01	4.23E+00	1.18E+01	U
TF	03	332176002	8/20/2013	I-131	-4.87E+00	3.58E+00	9.25E+00	U
TF	03	332176002	8/20/2013	K-40	4.38E+03	2.19E+02	4.75E+01	
TF	03	332176002	8/20/2013	La-140	-4.13E-01	2.58E+00	8.05E+00	U
TF	03	332176002	8/20/2013	Mn-54	-2.27E+00	1.75E+00	5.32E+00	U
TF	03	332176002	8/20/2013	Nb-95	2.39E+00	3.20E+00	5.16E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TF	03	332176002	8/20/2013	Ru-103	-1.79E+00	1.86E+00	4.96E+00	U
TF	03	332176002	8/20/2013	Ru-106	4.09E+01	1.72E+01	4.29E+01	U
TF	03	332176002	8/20/2013	Sb-124	3.50E+00	2.94E+00	1.02E+01	U
TF	03	332176002	8/20/2013	Sb-125	3.10E+00	3.88E+00	1.29E+01	U
TF	03	332176002	8/20/2013	Se-75	8.04E-02	1.83E+00	6.23E+00	U
TF	03	332176002	8/20/2013	Th-228	1.98E+00	4.12E+00	8.03E+00	U
TF	03	332176002	8/20/2013	Zn-65	3.43E+00	4.26E+00	1.40E+01	U
TF	03	332176002	8/20/2013	Zr-95	1.85E+00	3.18E+00	9.43E+00	U
TF	06	328694003	6/25/2013	Ac-228	-1.53E+01	9.70E+00	2.30E+01	U
TF	06	328694003	6/25/2013	Ag-108m	3.95E-01	1.38E+00	4.46E+00	U
TF	06	328694003	6/25/2013	Ag-110m	3.77E+00	2.27E+00	7.16E+00	U
TF	06	328694003	6/25/2013	Ba-140	-2.24E+01	1.56E+01	3.20E+01	U
TF	06	328694003	6/25/2013	Be-7	1.23E+02	2.67E+01	4.87E+01	
TF	06	328694003	6/25/2013	Ce-141	-4.20E+00	4.39E+00	8.87E+00	U
TF	06	328694003	6/25/2013	Ce-144	-8.15E-01	8.91E+00	2.85E+01	U
TF	06	328694003	6/25/2013	Co-57	-2.96E-01	1.13E+00	3.62E+00	U
TF	06	328694003	6/25/2013	Co-58	6.04E-01	1.69E+00	5.51E+00	U
TF	06	328694003	6/25/2013	Co-60	5.21E+00	2.26E+00	6.17E+00	U
TF	06	328694003	6/25/2013	Cr-51	-2.60E+01	1.83E+01	5.48E+01	U
TF	06	328694003	6/25/2013	Cs-134	2.07E+00	3.19E+00	5.42E+00	U
TF	06	328694003	6/25/2013	Cs-137	1.66E+00	1.47E+00	4.93E+00	U
TF	06	328694003	6/25/2013	Fe-59	1.07E+00	3.55E+00	1.19E+01	U
TF	06	328694003	6/25/2013	I-131	-4.98E+00	4.75E+00	1.46E+01	U
TF	06	328694003	6/25/2013	K-40	1.20E+03	8.14E+01	4.82E+01	
TF	06	328694003	6/25/2013	La-140	-1.36E+00	3.67E+00	1.20E+01	U
TF	06	328694003	6/25/2013	Mn-54	-1.10E+00	2.21E+00	5.30E+00	U
TF	06	328694003	6/25/2013	Nb-95	-3.12E+00	1.88E+00	5.30E+00	U
TF	06	328694003	6/25/2013	Ru-103	7.26E-01	1.74E+00	5.86E+00	U
TF	06	328694003	6/25/2013	Ru-106	-1.80E+01	1.43E+01	4.36E+01	U
TF	06	328694003	6/25/2013	Sb-124	-2.18E+00	3.83E+00	1.22E+01	U
TF	06	328694003	6/25/2013	Sb-125	1.01E+01	4.88E+00	1.37E+01	U
TF	06	328694003	6/25/2013	Se-75	-2.70E+00	2.37E+00	6.82E+00	U
TF	06	328694003	6/25/2013	Th-228	5.71E+00	5.28E+00	1.01E+01	U
TF	06	328694003	6/25/2013	Zn-65	2.15E+00	4.41E+00	1.28E+01	U
TF	06	328694003	6/25/2013	Zr-95	-9.12E-01	2.90E+00	9.33E+00	U
TF	06	330576003	7/26/2013	Ac-228	4.02E+00	8.92E+00	2.09E+01	U
TF	06	330576003	7/26/2013	Ag-108m	1.29E+00	1.28E+00	4.08E+00	U
TF	06	330576003	7/26/2013	Ag-110m	4.48E-01	2.03E+00	6.58E+00	U
TF	06	330576003	7/26/2013	Ba-140	-1.56E+01	9.46E+00	2.78E+01	U
TF	06	330576003	7/26/2013	Be-7	8.67E+00	1.29E+01	4.34E+01	U
TF	06	330576003	7/26/2013	Ce-141	6.20E+00	3.08E+00	7.95E+00	U
TF	06	330576003	7/26/2013	Ce-144	-1.75E+01	9.62E+00	2.70E+01	U
TF	06	330576003	7/26/2013	Co-57	-7.81E-02	1.06E+00	3.42E+00	U
TF	06	330576003	7/26/2013	Co-58	1.64E-01	1.59E+00	5.16E+00	U
TF	06	330576003	7/26/2013	Co-60	4.09E+00	2.20E+00	5.80E+00	U
TF	06	330576003	7/26/2013	Cr-51	-1.47E+01	2.42E+01	4.85E+01	U
TF	06	330576003	7/26/2013	Cs-134	2.77E+00	1.78E+00	5.66E+00	U
TF	06	330576003	7/26/2013	Cs-137	-2.12E-01	1.47E+00	4.80E+00	U
TF	06	330576003	7/26/2013	Fe-59	-5.27E-01	3.69E+00	1.22E+01	U
TF	06	330576003	7/26/2013	I-131	-6.47E-01	3.90E+00	1.26E+01	U
TF	06	330576003	7/26/2013	K-40	2.54E+03	1.32E+02	4.85E+01	

Seabrook REMP Summary of 2013 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TF	06	330576003	7/26/2013	La-140	4.02E+00	3.10E+00	9.41E+00	U
TF	06	330576003	7/26/2013	Mn-54	-2.70E+00	1.60E+00	4.44E+00	U
TF	06	330576003	7/26/2013	Nb-95	-1.54E-01	1.67E+00	4.90E+00	U
TF	06	330576003	7/26/2013	Ru-103	1.91E+00	1.78E+00	5.22E+00	U
TF	06	330576003	7/26/2013	Ru-106	6.62E+00	1.22E+01	4.05E+01	U
TF	06	330576003	7/26/2013	Sb-124	1.60E+00	3.45E+00	1.17E+01	U
TF	06	330576003	7/26/2013	Sb-125	-1.66E+00	3.81E+00	1.21E+01	U
TF	06	330576003	7/26/2013	Se-75	-7.70E-01	1.87E+00	6.13E+00	U
TF	06	330576003	7/26/2013	Th-228	1.32E-02	3.44E+00	9.14E+00	U
TF	06	330576003	7/26/2013	Zn-65	-8.59E+00	4.29E+00	1.15E+01	U
TF	06	330576003	7/26/2013	Zr-95	2.43E-01	2.70E+00	8.84E+00	U
TF	06	332176003	8/20/2013	Ac-228	-2.40E+01	1.15E+01	2.19E+01	U
TF	06	332176003	8/20/2013	Ag-108m	-1.57E-01	1.39E+00	4.47E+00	U
TF	06	332176003	8/20/2013	Ag-110m	1.06E+00	2.30E+00	7.59E+00	U
TF	06	332176003	8/20/2013	Ba-140	-1.24E+01	1.44E+01	3.82E+01	U
TF	06	332176003	8/20/2013	Be-7	3.44E+00	1.56E+01	5.03E+01	U
TF	06	332176003	8/20/2013	Ce-141	-4.79E-01	3.08E+00	9.13E+00	U
TF	06	332176003	8/20/2013	Ce-144	-1.21E+00	8.87E+00	2.99E+01	U
TF	06	332176003	8/20/2013	Co-57	-1.62E+00	1.24E+00	3.91E+00	U
TF	06	332176003	8/20/2013	Co-58	-1.64E+00	2.04E+00	5.99E+00	U
TF	06	332176003	8/20/2013	Co-60	2.95E-01	1.97E+00	6.61E+00	U
TF	06	332176003	8/20/2013	Cr-51	1.62E+01	1.71E+01	5.60E+01	U
TF	06	332176003	8/20/2013	Cs-134	1.64E+00	1.83E+00	6.07E+00	U
TF	06	332176003	8/20/2013	Cs-137	-2.71E+00	2.26E+00	5.61E+00	U
TF	06	332176003	8/20/2013	Fe-59	-4.24E+00	4.53E+00	1.36E+01	U
TF	06	332176003	8/20/2013	I-131	-7.11E+00	5.42E+00	1.61E+01	U
TF	06	332176003	8/20/2013	K-40	2.16E+03	1.22E+02	4.98E+01	
TF	06	332176003	8/20/2013	La-140	1.70E+00	3.65E+00	1.23E+01	U
TF	06	332176003	8/20/2013	Mn-54	9.51E-01	1.61E+00	5.34E+00	U
TF	06	332176003	8/20/2013	Nb-95	-5.65E-01	1.67E+00	5.42E+00	U
TF	06	332176003	8/20/2013	Ru-103	-1.36E+00	1.84E+00	6.00E+00	U
TF	06	332176003	8/20/2013	Ru-106	-2.57E-01	1.47E+01	4.91E+01	U
TF	06	332176003	8/20/2013	Sb-124	3.30E+00	3.87E+00	1.32E+01	U
TF	06	332176003	8/20/2013	Sb-125	-3.50E+00	4.40E+00	1.36E+01	U
TF	06	332176003	8/20/2013	Se-75	1.56E+00	2.16E+00	7.13E+00	U
TF	06	332176003	8/20/2013	Th-228	1.58E+00	4.50E+00	8.70E+00	U
TF	06	332176003	8/20/2013	Zn-65	-2.94E+00	4.84E+00	1.28E+01	U
TF	06	332176003	8/20/2013	Zr-95	2.68E+00	3.14E+00	1.05E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TG	08	326835001	5/30/2013	Ac-228	9.88E+00	2.26E+01	5.51E+01	U
TG	08	326835001	5/30/2013	Ag-108m	-2.35E+00	3.13E+00	1.00E+01	U
TG	08	326835001	5/30/2013	Ag-110m	-6.12E+00	6.63E+00	1.58E+01	U
TG	08	326835001	5/30/2013	Ba-140	-1.67E+01	1.70E+01	5.25E+01	U
TG	08	326835001	5/30/2013	Be-7	5.91E+02	5.94E+01	1.01E+02	
TG	08	326835001	5/30/2013	Ce-141	4.35E+00	8.25E+00	1.67E+01	U
TG	08	326835001	5/30/2013	Ce-144	2.36E+01	1.98E+01	6.38E+01	U
TG	08	326835001	5/30/2013	Co-57	-5.19E-01	2.65E+00	8.04E+00	U
TG	08	326835001	5/30/2013	Co-58	2.45E+00	3.38E+00	1.15E+01	U
TG	08	326835001	5/30/2013	Co-60	-2.03E+00	4.07E+00	1.29E+01	U
TG	08	326835001	5/30/2013	Cr-51	-6.20E+01	3.43E+01	1.00E+02	U
TG	08	326835001	5/30/2013	Cs-134	-2.65E-01	3.81E+00	1.28E+01	U
TG	08	326835001	5/30/2013	Cs-137	-1.82E+00	4.84E+00	1.16E+01	U
TG	08	326835001	5/30/2013	Fe-59	-1.38E+00	7.39E+00	2.42E+01	U
TG	08	326835001	5/30/2013	I-131	-9.56E+00	6.17E+00	1.85E+01	U
TG	08	326835001	5/30/2013	K-40	3.53E+03	2.13E+02	1.00E+02	
TG	08	326835001	5/30/2013	La-140	2.45E-01	5.27E+00	1.77E+01	U
TG	08	326835001	5/30/2013	Mn-54	-5.25E+00	3.42E+00	1.00E+01	U
TG	08	326835001	5/30/2013	Nb-95	-9.42E-01	3.54E+00	1.13E+01	U
TG	08	326835001	5/30/2013	Ru-103	4.00E+00	3.35E+00	1.10E+01	U
TG	08	326835001	5/30/2013	Ru-106	9.21E+01	3.72E+01	1.08E+02	U
TG	08	326835001	5/30/2013	Sb-124	3.50E+00	7.61E+00	2.59E+01	U
TG	08	326835001	5/30/2013	Sb-125	1.01E+00	9.33E+00	3.11E+01	U
TG	08	326835001	5/30/2013	Se-75	3.01E+00	4.64E+00	1.49E+01	U
TG	08	326835001	5/30/2013	Th-228	1.00E+01	9.35E+00	2.32E+01	U
TG	08	326835001	5/30/2013	Zn-65	2.53E+00	8.23E+00	2.74E+01	U
TG	08	326835001	5/30/2013	Zr-95	3.05E+00	6.51E+00	2.12E+01	U
TG	08	328695001	6/26/2013	Ac-228	2.05E+02	2.37E+01	3.88E+01	
TG	08	328695001	6/26/2013	Ag-108m	-7.23E+00	3.03E+00	7.89E+00	U
TG	08	328695001	6/26/2013	Ag-110m	-3.85E+00	4.36E+00	1.37E+01	U
TG	08	328695001	6/26/2013	Ba-140	2.24E+01	2.00E+01	6.54E+01	U
TG	08	328695001	6/26/2013	Be-7	2.27E+03	1.14E+02	8.58E+01	
TG	08	328695001	6/26/2013	Ce-141	-9.83E+00	5.14E+00	1.40E+01	U
TG	08	328695001	6/26/2013	Ce-144	-1.60E+01	1.59E+01	4.59E+01	U
TG	08	328695001	6/26/2013	Co-57	-8.68E-01	1.79E+00	5.66E+00	U
TG	08	328695001	6/26/2013	Co-58	-2.20E+00	3.48E+00	1.07E+01	U
TG	08	328695001	6/26/2013	Co-60	-3.49E+00	3.60E+00	1.12E+01	U
TG	08	328695001	6/26/2013	Cr-51	-2.59E+01	3.05E+01	9.16E+01	U
TG	08	328695001	6/26/2013	Cs-134	0.00E+00	6.43E+00	1.24E+01	U
TG	08	328695001	6/26/2013	Cs-137	-1.19E+00	3.42E+00	1.09E+01	U
TG	08	328695001	6/26/2013	Fe-59	-3.73E+00	9.05E+00	2.45E+01	U
TG	08	328695001	6/26/2013	I-131	-5.34E+00	8.04E+00	2.51E+01	U
TG	08	328695001	6/26/2013	K-40	3.63E+03	2.13E+02	1.07E+02	
TG	08	328695001	6/26/2013	La-140	-1.42E+01	8.80E+00	1.95E+01	U
TG	08	328695001	6/26/2013	Mn-54	-6.82E+00	3.59E+00	1.00E+01	U
TG	08	328695001	6/26/2013	Nb-95	2.84E+00	6.20E+00	1.16E+01	U
TG	08	328695001	6/26/2013	Ru-103	-1.46E-01	3.03E+00	1.01E+01	U
TG	08	328695001	6/26/2013	Ru-106	-2.31E+01	2.93E+01	9.18E+01	U
TG	08	328695001	6/26/2013	Sb-124	-1.27E+01	1.03E+01	2.15E+01	U
TG	08	328695001	6/26/2013	Sb-125	1.93E+00	7.31E+00	2.46E+01	U
TG	08	328695001	6/26/2013	Se-75	-4.09E-01	4.28E+00	1.23E+01	U

Seabrook REMP Summary of 2013 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TG	08	328695001	6/26/2013	Th-228	1.92E+01	6.91E+00	1.46E+01	
TG	08	328695001	6/26/2013	Zn-65	-4.88E+00	9.52E+00	2.55E+01	U
TG	08	328695001	6/26/2013	Zr-95	8.88E+00	6.40E+00	2.11E+01	U
TG	08	330578001	7/26/2013	Ac-228	2.68E+01	3.10E+01	6.01E+01	U
TG	08	330578001	7/26/2013	Ag-108m	-1.21E+00	3.14E+00	1.04E+01	U
TG	08	330578001	7/26/2013	Ag-110m	8.69E-01	5.12E+00	1.71E+01	U
TG	08	330578001	7/26/2013	Ba-140	1.56E+01	2.46E+01	8.16E+01	U
TG	08	330578001	7/26/2013	Be-7	8.12E+02	6.60E+01	1.07E+02	
TG	08	330578001	7/26/2013	Ce-141	2.10E+00	8.43E+00	1.78E+01	U
TG	08	330578001	7/26/2013	Ce-144	-1.20E+01	2.01E+01	6.25E+01	U
TG	08	330578001	7/26/2013	Co-57	1.19E+00	2.48E+00	7.92E+00	U
TG	08	330578001	7/26/2013	Co-58	1.40E+00	4.48E+00	1.25E+01	U
TG	08	330578001	7/26/2013	Co-60	-7.32E-02	4.01E+00	1.34E+01	U
TG	08	330578001	7/26/2013	Cr-51	-3.13E+01	3.72E+01	1.16E+02	U
TG	08	330578001	7/26/2013	Cs-134	9.75E+00	6.33E+00	1.47E+01	U
TG	08	330578001	7/26/2013	Cs-137	-1.38E+01	7.46E+00	1.41E+01	U
TG	08	330578001	7/26/2013	Fe-59	9.81E-01	9.11E+00	2.99E+01	U
TG	08	330578001	7/26/2013	I-131	4.06E+00	9.68E+00	3.12E+01	U
TG	08	330578001	7/26/2013	K-40	3.22E+03	2.07E+02	1.31E+02	
TG	08	330578001	7/26/2013	La-140	2.31E+00	7.83E+00	2.61E+01	U
TG	08	330578001	7/26/2013	Mn-54	5.35E+00	3.67E+00	1.21E+01	U
TG	08	330578001	7/26/2013	Nb-95	2.27E+00	3.94E+00	1.34E+01	U
TG	08	330578001	7/26/2013	Ru-103	9.52E+00	4.66E+00	1.43E+01	U
TG	08	330578001	7/26/2013	Ru-106	3.18E+01	3.59E+01	1.18E+02	U
TG	08	330578001	7/26/2013	Sb-124	-1.12E+01	9.38E+00	2.74E+01	U
TG	08	330578001	7/26/2013	Sb-125	2.78E-01	9.59E+00	3.22E+01	U
TG	08	330578001	7/26/2013	Se-75	-7.89E+00	4.98E+00	1.47E+01	U
TG	08	330578001	7/26/2013	Th-228	-6.10E+00	1.01E+01	2.35E+01	U
TG	08	330578001	7/26/2013	Zn-65	-6.12E+00	1.13E+01	3.00E+01	U
TG	08	330578001	7/26/2013	Zr-95	0.00E+00	1.26E+01	2.44E+01	U
TG	08	332175001	8/20/2013	Ac-228	0.00E+00	2.70E+01	4.38E+01	U
TG	08	332175001	8/20/2013	Ag-108m	-2.99E+00	3.41E+00	1.07E+01	U
TG	08	332175001	8/20/2013	Ag-110m	3.37E+00	5.04E+00	1.70E+01	U
TG	08	332175001	8/20/2013	Ba-140	1.93E+00	2.59E+01	6.53E+01	U
TG	08	332175001	8/20/2013	Be-7	3.11E+03	1.64E+02	1.11E+02	
TG	08	332175001	8/20/2013	Ce-141	4.13E+00	7.91E+00	1.90E+01	U
TG	08	332175001	8/20/2013	Ce-144	-5.40E+01	2.60E+01	6.95E+01	U
TG	08	332175001	8/20/2013	Co-57	-2.62E-01	2.88E+00	9.23E+00	U
TG	08	332175001	8/20/2013	Co-58	-1.28E-01	3.52E+00	1.18E+01	U
TG	08	332175001	8/20/2013	Co-60	8.71E-01	4.16E+00	1.37E+01	U
TG	08	332175001	8/20/2013	Cr-51	-4.66E+01	3.68E+01	1.14E+02	U
TG	08	332175001	8/20/2013	Cs-134	-5.18E+00	4.21E+00	1.29E+01	U
TG	08	332175001	8/20/2013	Cs-137	2.49E+00	4.04E+00	1.31E+01	U
TG	08	332175001	8/20/2013	Fe-59	9.51E+00	8.97E+00	2.97E+01	U
TG	08	332175001	8/20/2013	I-131	4.73E+00	7.49E+00	2.49E+01	U
TG	08	332175001	8/20/2013	K-40	3.31E+03	2.09E+02	1.21E+02	
TG	08	332175001	8/20/2013	La-140	1.67E+01	9.49E+00	2.16E+01	U
TG	08	332175001	8/20/2013	Mn-54	8.78E-01	3.49E+00	1.18E+01	U
TG	08	332175001	8/20/2013	Nb-95	-9.19E-01	3.87E+00	1.29E+01	U
TG	08	332175001	8/20/2013	Ru-103	1.52E+00	3.82E+00	1.26E+01	U
TG	08	332175001	8/20/2013	Ru-106	6.58E+01	3.89E+01	1.21E+02	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TG	08	332175001	8/20/2013	Sb-124	1.95E+00	9.08E+00	2.67E+01	U
TG	08	332175001	8/20/2013	Sb-125	1.41E+00	9.92E+00	3.27E+01	U
TG	08	332175001	8/20/2013	Se-75	5.89E+00	5.14E+00	1.70E+01	U
TG	08	332175001	8/20/2013	Th-228	1.07E+01	1.26E+01	2.58E+01	U
TG	08	332175001	8/20/2013	Zn-65	2.55E+00	8.31E+00	2.76E+01	U
TG	08	332175001	8/20/2013	Zr-95	-5.25E+00	6.73E+00	2.17E+01	U
TG	08	333718001	9/17/2013	Ac-228	3.06E+01	2.49E+01	4.90E+01	U
TG	08	333718001	9/17/2013	Ag-108m	1.15E+00	3.18E+00	1.08E+01	U
TG	08	333718001	9/17/2013	Ag-110m	0.00E+00	1.38E+01	1.66E+01	U
TG	08	333718001	9/17/2013	Ba-140	3.75E+00	1.52E+01	5.09E+01	U
TG	08	333718001	9/17/2013	Be-7	2.78E+03	1.51E+02	9.95E+01	
TG	08	333718001	9/17/2013	Ce-141	7.41E+00	5.90E+00	1.89E+01	U
TG	08	333718001	9/17/2013	Ce-144	2.48E-01	2.39E+01	7.18E+01	U
TG	08	333718001	9/17/2013	Co-57	4.48E+00	3.14E+00	9.63E+00	U
TG	08	333718001	9/17/2013	Co-58	6.99E-02	3.92E+00	1.27E+01	U
TG	08	333718001	9/17/2013	Co-60	-3.50E+00	4.50E+00	1.40E+01	U
TG	08	333718001	9/17/2013	Cr-51	3.18E+01	3.33E+01	1.08E+02	U
TG	08	333718001	9/17/2013	Cs-134	-1.70E+00	4.96E+00	1.36E+01	U
TG	08	333718001	9/17/2013	Cs-137	7.97E-01	6.82E+00	1.73E+01	U
TG	08	333718001	9/17/2013	Fe-59	3.89E+00	7.58E+00	2.54E+01	U
TG	08	333718001	9/17/2013	I-131	2.87E-01	5.05E+00	1.63E+01	U
TG	08	333718001	9/17/2013	K-40	4.93E+03	2.66E+02	1.15E+02	
TG	08	333718001	9/17/2013	La-140	1.57E-01	5.03E+00	1.59E+01	U
TG	08	333718001	9/17/2013	Mn-54	-5.92E+00	4.15E+00	1.20E+01	U
TG	08	333718001	9/17/2013	Nb-95	-8.35E-01	3.62E+00	1.17E+01	U
TG	08	333718001	9/17/2013	Ru-103	-1.10E+00	3.47E+00	1.15E+01	U
TG	08	333718001	9/17/2013	Ru-106	-3.09E+01	3.53E+01	1.11E+02	U
TG	08	333718001	9/17/2013	Sb-124	1.01E+01	9.07E+00	2.74E+01	U
TG	08	333718001	9/17/2013	Sb-125	7.20E+00	9.83E+00	3.33E+01	U
TG	08	333718001	9/17/2013	Se-75	5.08E+00	5.09E+00	1.66E+01	U
TG	08	333718001	9/17/2013	Th-228	1.90E+01	1.51E+01	2.55E+01	U
TG	08	333718001	9/17/2013	Zn-65	1.31E+01	9.24E+00	3.01E+01	U
TG	08	333718001	9/17/2013	Zr-95	8.89E+00	6.88E+00	2.23E+01	U
TG	08	335730001	10/15/2013	Ac-228	9.53E+01	2.36E+01	4.47E+01	
TG	08	335730001	10/15/2013	Ag-108m	1.34E+00	3.31E+00	1.03E+01	U
TG	08	335730001	10/15/2013	Ag-110m	-1.95E+00	3.86E+00	1.07E+01	U
TG	08	335730001	10/15/2013	Ba-140	5.03E+00	6.22E+00	1.85E+01	U
TG	08	335730001	10/15/2013	Be-7	1.09E+03	8.25E+01	9.74E+01	
TG	08	335730001	10/15/2013	Ce-141	-2.25E+00	5.40E+00	1.81E+01	U
TG	08	335730001	10/15/2013	Ce-144	-5.92E+00	1.92E+01	6.47E+01	U
TG	08	335730001	10/15/2013	Co-57	4.27E+00	2.97E+00	8.54E+00	U
TG	08	335730001	10/15/2013	Co-58	2.04E+00	3.66E+00	1.20E+01	U
TG	08	335730001	10/15/2013	Co-60	-5.94E+00	7.83E+00	1.21E+01	U
TG	08	335730001	10/15/2013	Cr-51	-7.44E+01	3.79E+01	1.05E+02	U
TG	08	335730001	10/15/2013	Cs-134	-4.25E+00	4.08E+00	1.24E+01	U
TG	08	335730001	10/15/2013	Cs-137	2.67E+00	7.44E+00	1.17E+01	U
TG	08	335730001	10/15/2013	Fe-59	-6.54E+00	7.80E+00	2.47E+01	U
TG	08	335730001	10/15/2013	I-131	1.41E+01	8.15E+00	1.92E+01	U
TG	08	335730001	10/15/2013	K-40	3.98E+03	2.22E+02	1.07E+02	
TG	08	335730001	10/15/2013	La-140	5.03E+00	6.22E+00	1.85E+01	U
TG	08	335730001	10/15/2013	Mn-54	-9.80E-01	3.68E+00	1.18E+01	U

Seabrook REMP Summary of 2013 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TG	08	335730001	10/15/2013	Nb-95	-1.90E-01	5.72E+00	1.20E+01	U
TG	08	335730001	10/15/2013	Ru-103	3.79E+00	3.62E+00	1.20E+01	U
TG	08	335730001	10/15/2013	Ru-106	1.48E+01	3.14E+01	1.04E+02	U
TG	08	335730001	10/15/2013	Sb-124	-4.07E+00	7.85E+00	2.53E+01	U
TG	08	335730001	10/15/2013	Sb-125	-8.52E+00	9.49E+00	3.08E+01	U
TG	08	335730001	10/15/2013	Se-75	5.12E+00	5.06E+00	1.53E+01	U
TG	08	335730001	10/15/2013	Th-228	2.74E+01	1.17E+01	1.98E+01	
TG	08	335730001	10/15/2013	Zn-65	1.05E+00	9.34E+00	2.67E+01	U
TG	08	335730001	10/15/2013	Zr-95	1.83E+00	5.92E+00	1.94E+01	U
TG	09	326835002	5/30/2013	Ac-228	1.66E+01	1.56E+01	3.36E+01	U
TG	09	326835002	5/30/2013	Ag-108m	-1.92E+00	2.77E+00	7.26E+00	U
TG	09	326835002	5/30/2013	Ag-110m	-1.64E+00	3.38E+00	1.07E+01	U
TG	09	326835002	5/30/2013	Ba-140	2.03E+00	1.21E+01	4.04E+01	U
TG	09	326835002	5/30/2013	Be-7	5.14E+02	4.02E+01	6.94E+01	
TG	09	326835002	5/30/2013	Ce-141	-6.67E+00	4.72E+00	1.20E+01	U
TG	09	326835002	5/30/2013	Ce-144	8.99E+00	1.65E+01	4.16E+01	U
TG	09	326835002	5/30/2013	Co-57	-2.20E+00	1.65E+00	5.17E+00	U
TG	09	326835002	5/30/2013	Co-58	-1.12E+01	4.94E+00	8.54E+00	U
TG	09	326835002	5/30/2013	Co-60	5.32E-01	2.30E+00	7.65E+00	U
TG	09	326835002	5/30/2013	Cr-51	8.73E-01	2.25E+01	7.30E+01	U
TG	09	326835002	5/30/2013	Cs-134	4.25E+00	3.30E+00	9.39E+00	U
TG	09	326835002	5/30/2013	Cs-137	1.69E+00	2.46E+00	8.17E+00	U
TG	09	326835002	5/30/2013	Fe-59	3.19E+00	4.96E+00	1.68E+01	U
TG	09	326835002	5/30/2013	I-131	-3.50E+00	4.92E+00	1.54E+01	U
TG	09	326835002	5/30/2013	K-40	2.88E+03	1.55E+02	6.41E+01	
TG	09	326835002	5/30/2013	La-140	-8.38E+00	3.73E+00	8.26E+00	U
TG	09	326835002	5/30/2013	Mn-54	2.33E+00	2.52E+00	8.44E+00	U
TG	09	326835002	5/30/2013	Nb-95	2.65E+00	2.52E+00	8.23E+00	U
TG	09	326835002	5/30/2013	Ru-103	4.12E+00	3.16E+00	8.34E+00	U
TG	09	326835002	5/30/2013	Ru-106	-2.26E+01	1.97E+01	6.04E+01	U
TG	09	326835002	5/30/2013	Sb-124	5.21E+00	4.66E+00	1.58E+01	U
TG	09	326835002	5/30/2013	Sb-125	-3.63E+00	6.64E+00	2.00E+01	U
TG	09	326835002	5/30/2013	Se-75	-6.42E-01	3.13E+00	1.02E+01	U
TG	09	326835002	5/30/2013	Th-228	6.93E+00	6.07E+00	1.24E+01	U
TG	09	326835002	5/30/2013	Zn-65	-1.04E+01	5.53E+00	1.51E+01	U
TG	09	326835002	5/30/2013	Zr-95	-1.49E+00	4.29E+00	1.38E+01	U
TG	09	328695002	6/25/2013	Ac-228	5.50E+01	2.51E+01	3.44E+01	
TG	09	328695002	6/25/2013	Ag-108m	-2.32E+00	3.10E+00	8.39E+00	U
TG	09	328695002	6/25/2013	Ag-110m	-1.10E+01	6.57E+00	1.30E+01	U
TG	09	328695002	6/25/2013	Ba-140	3.73E+01	2.36E+01	6.77E+01	U
TG	09	328695002	6/25/2013	Be-7	1.14E+03	8.04E+01	8.80E+01	
TG	09	328695002	6/25/2013	Ce-141	-1.97E+01	1.06E+01	1.90E+01	U
TG	09	328695002	6/25/2013	Ce-144	6.86E+00	1.84E+01	5.90E+01	U
TG	09	328695002	6/25/2013	Co-57	-2.55E+00	2.35E+00	7.18E+00	U
TG	09	328695002	6/25/2013	Co-58	-2.30E+00	3.65E+00	9.88E+00	U
TG	09	328695002	6/25/2013	Co-60	1.40E+00	3.41E+00	1.14E+01	U
TG	09	328695002	6/25/2013	Cr-51	-9.98E+00	3.34E+01	1.09E+02	U
TG	09	328695002	6/25/2013	Cs-134	4.47E+00	3.84E+00	1.19E+01	U
TG	09	328695002	6/25/2013	Cs-137	3.06E+00	6.87E+00	1.12E+01	U
TG	09	328695002	6/25/2013	Fe-59	-4.34E+00	7.47E+00	2.42E+01	U
TG	09	328695002	6/25/2013	I-131	7.02E+00	9.20E+00	3.01E+01	U

Seabrook REMP Summary of 2013 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TG	09	328695002	6/25/2013	K-40	4.48E+03	2.40E+02	9.15E+01	
TG	09	328695002	6/25/2013	La-140	-8.61E+00	7.38E+00	2.15E+01	U
TG	09	328695002	6/25/2013	Mn-54	1.87E+00	3.33E+00	1.10E+01	U
TG	09	328695002	6/25/2013	Nb-95	-4.33E+00	5.38E+00	1.26E+01	U
TG	09	328695002	6/25/2013	Ru-103	-3.52E+00	3.51E+00	1.06E+01	U
TG	09	328695002	6/25/2013	Ru-106	-3.38E+01	2.87E+01	8.92E+01	U
TG	09	328695002	6/25/2013	Sb-124	3.74E+00	7.77E+00	2.56E+01	U
TG	09	328695002	6/25/2013	Sb-125	4.18E+00	8.06E+00	2.62E+01	U
TG	09	328695002	6/25/2013	Se-75	-5.21E+00	4.37E+00	1.37E+01	U
TG	09	328695002	6/25/2013	Th-228	1.03E+01	9.07E+00	2.02E+01	U
TG	09	328695002	6/25/2013	Zn-65	-1.94E+01	1.01E+01	2.29E+01	U
TG	09	328695002	6/25/2013	Zr-95	-9.89E+00	6.21E+00	1.79E+01	U
TG	09	330578002	7/26/2013	Ac-228	1.17E+01	3.22E+01	5.23E+01	U
TG	09	330578002	7/26/2013	Ag-108m	-1.27E+00	3.23E+00	1.07E+01	U
TG	09	330578002	7/26/2013	Ag-110m	-5.60E+00	5.70E+00	1.79E+01	U
TG	09	330578002	7/26/2013	Ba-140	2.99E+01	2.55E+01	8.38E+01	U
TG	09	330578002	7/26/2013	Be-7	6.57E+02	7.12E+01	1.13E+02	
TG	09	330578002	7/26/2013	Ce-141	2.57E+00	6.49E+00	2.19E+01	U
TG	09	330578002	7/26/2013	Ce-144	-1.93E+00	2.14E+01	7.22E+01	U
TG	09	330578002	7/26/2013	Co-57	-3.52E+00	3.74E+00	9.59E+00	U
TG	09	330578002	7/26/2013	Co-58	1.38E+00	4.19E+00	1.23E+01	U
TG	09	330578002	7/26/2013	Co-60	4.15E-01	4.46E+00	1.45E+01	U
TG	09	330578002	7/26/2013	Cr-51	-8.25E+01	4.44E+01	1.23E+02	U
TG	09	330578002	7/26/2013	Cs-134	8.31E+00	4.74E+00	1.45E+01	U
TG	09	330578002	7/26/2013	Cs-137	4.82E+00	4.24E+00	1.38E+01	U
TG	09	330578002	7/26/2013	Fe-59	-3.59E+00	9.72E+00	3.14E+01	U
TG	09	330578002	7/26/2013	I-131	6.76E+00	1.05E+01	3.38E+01	U
TG	09	330578002	7/26/2013	K-40	3.71E+03	2.21E+02	1.23E+02	
TG	09	330578002	7/26/2013	La-140	4.68E+00	8.56E+00	2.89E+01	U
TG	09	330578002	7/26/2013	Mn-54	3.25E+00	4.03E+00	1.36E+01	U
TG	09	330578002	7/26/2013	Nb-95	7.60E+00	5.92E+00	1.48E+01	U
TG	09	330578002	7/26/2013	Ru-103	-6.13E-01	4.31E+00	1.43E+01	U
TG	09	330578002	7/26/2013	Ru-106	2.26E+00	3.56E+01	1.17E+02	U
TG	09	330578002	7/26/2013	Sb-124	4.29E+00	1.00E+01	3.30E+01	U
TG	09	330578002	7/26/2013	Sb-125	5.52E+00	9.81E+00	3.31E+01	U
TG	09	330578002	7/26/2013	Se-75	-1.50E+00	5.16E+00	1.61E+01	U
TG	09	330578002	7/26/2013	Th-228	0.00E+00	1.49E+01	3.01E+01	U
TG	09	330578002	7/26/2013	Zn-65	3.32E+01	1.32E+01	3.41E+01	U
TG	09	330578002	7/26/2013	Zr-95	4.81E-01	6.96E+00	2.25E+01	U
TG	09	332175002	8/20/2013	Ac-228	6.45E+01	3.88E+01	7.51E+01	U
TG	09	332175002	8/20/2013	Ag-108m	3.51E+00	3.70E+00	1.20E+01	U
TG	09	332175002	8/20/2013	Ag-110m	-4.49E-01	7.00E+00	1.97E+01	U
TG	09	332175002	8/20/2013	Ba-140	-1.43E+00	2.10E+01	7.06E+01	U
TG	09	332175002	8/20/2013	Be-7	1.02E+03	7.78E+01	1.16E+02	
TG	09	332175002	8/20/2013	Ce-141	5.29E+00	6.36E+00	2.14E+01	U
TG	09	332175002	8/20/2013	Ce-144	-1.57E+01	2.37E+01	7.84E+01	U
TG	09	332175002	8/20/2013	Co-57	2.34E+00	2.99E+00	1.01E+01	U
TG	09	332175002	8/20/2013	Co-58	-1.23E+00	4.69E+00	1.31E+01	U
TG	09	332175002	8/20/2013	Co-60	0.00E+00	1.33E+01	1.77E+01	U
TG	09	332175002	8/20/2013	Cr-51	-7.81E+01	4.44E+01	1.26E+02	U
TG	09	332175002	8/20/2013	Cs-134	1.28E+01	6.76E+00	1.56E+01	U

Seabrook REMP Summary of 2013 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TG	09	332175002	8/20/2013	Cs-137	-1.38E-02	4.33E+00	1.44E+01	U
TG	09	332175002	8/20/2013	Fe-59	1.31E+00	9.36E+00	3.03E+01	U
TG	09	332175002	8/20/2013	I-131	-4.08E+00	8.44E+00	2.69E+01	U
TG	09	332175002	8/20/2013	K-40	4.82E+03	2.85E+02	1.33E+02	
TG	09	332175002	8/20/2013	La-140	-4.11E-01	8.30E+00	2.33E+01	U
TG	09	332175002	8/20/2013	Mn-54	3.91E+00	4.29E+00	1.42E+01	U
TG	09	332175002	8/20/2013	Nb-95	9.27E+00	5.86E+00	1.51E+01	U
TG	09	332175002	8/20/2013	Ru-103	1.38E+00	4.24E+00	1.44E+01	U
TG	09	332175002	8/20/2013	Ru-106	8.36E+01	3.07E+01	1.23E+02	U
TG	09	332175002	8/20/2013	Sb-124	-5.20E+00	1.07E+01	2.81E+01	U
TG	09	332175002	8/20/2013	Sb-125	9.53E+00	1.15E+01	3.72E+01	U
TG	09	332175002	8/20/2013	Se-75	-1.08E+00	5.32E+00	1.74E+01	U
TG	09	332175002	8/20/2013	Th-228	1.83E+01	1.19E+01	2.31E+01	U
TG	09	332175002	8/20/2013	Zn-65	2.48E+00	1.18E+01	3.30E+01	U
TG	09	332175002	8/20/2013	Zr-95	-3.53E+00	8.23E+00	2.28E+01	U
TG	09	333718002	9/17/2013	Ac-228	0.00E+00	2.13E+01	2.86E+01	U
TG	09	333718002	9/17/2013	Ag-108m	1.65E-02	2.22E+00	7.30E+00	U
TG	09	333718002	9/17/2013	Ag-110m	-1.20E+01	4.96E+00	1.01E+01	U
TG	09	333718002	9/17/2013	Ba-140	3.68E+00	1.25E+01	4.07E+01	U
TG	09	333718002	9/17/2013	Be-7	1.56E+03	8.58E+01	7.01E+01	
TG	09	333718002	9/17/2013	Ce-141	2.41E+00	4.17E+00	1.33E+01	U
TG	09	333718002	9/17/2013	Ce-144	2.88E+01	1.69E+01	5.09E+01	U
TG	09	333718002	9/17/2013	Co-57	6.22E-01	2.03E+00	6.55E+00	U
TG	09	333718002	9/17/2013	Co-58	7.16E-01	2.37E+00	7.99E+00	U
TG	09	333718002	9/17/2013	Co-60	3.19E+00	2.79E+00	9.17E+00	U
TG	09	333718002	9/17/2013	Cr-51	1.70E+01	2.38E+01	7.90E+01	U
TG	09	333718002	9/17/2013	Cs-134	-1.38E+00	2.86E+00	9.43E+00	U
TG	09	333718002	9/17/2013	Cs-137	1.38E+01	4.45E+00	8.54E+00	M
TG	09	333718002	9/17/2013	Fe-59	-8.85E-01	4.97E+00	1.63E+01	U
TG	09	333718002	9/17/2013	I-131	-2.90E+00	4.21E+00	1.36E+01	U
TG	09	333718002	9/17/2013	K-40	3.61E+03	2.05E+02	7.84E+01	
TG	09	333718002	9/17/2013	La-140	-8.26E+00	4.62E+00	1.21E+01	U
TG	09	333718002	9/17/2013	Mn-54	-2.79E+00	2.57E+00	8.05E+00	U
TG	09	333718002	9/17/2013	Nb-95	3.18E+00	3.01E+00	8.89E+00	U
TG	09	333718002	9/17/2013	Ru-103	3.08E+00	5.40E+00	8.60E+00	U
TG	09	333718002	9/17/2013	Ru-106	-1.03E+01	2.71E+01	7.47E+01	U
TG	09	333718002	9/17/2013	Sb-124	7.06E-02	5.18E+00	1.74E+01	U
TG	09	333718002	9/17/2013	Sb-125	-3.10E+00	6.67E+00	2.16E+01	U
TG	09	333718002	9/17/2013	Se-75	6.85E-01	3.26E+00	1.10E+01	U
TG	09	333718002	9/17/2013	Th-228	2.49E+01	7.68E+00	1.43E+01	
TG	09	333718002	9/17/2013	Zn-65	8.55E+00	6.60E+00	1.90E+01	U
TG	09	333718002	9/17/2013	Zr-95	5.37E-02	4.24E+00	1.43E+01	U
TG	09	335730002	10/15/2013	Ac-228	1.06E+02	1.98E+01	4.26E+01	
TG	09	335730002	10/15/2013	Ag-108m	3.12E-02	3.25E+00	1.07E+01	U
TG	09	335730002	10/15/2013	Ag-110m	-2.60E+00	3.73E+00	1.16E+01	U
TG	09	335730002	10/15/2013	Ba-140	-5.97E+00	5.94E+00	1.76E+01	U
TG	09	335730002	10/15/2013	Be-7	1.17E+03	7.94E+01	1.04E+02	
TG	09	335730002	10/15/2013	Ce-141	-3.07E+01	1.17E+01	1.92E+01	U
TG	09	335730002	10/15/2013	Ce-144	-2.51E+01	2.35E+01	7.16E+01	U
TG	09	335730002	10/15/2013	Co-57	-2.65E+00	2.99E+00	9.24E+00	U
TG	09	335730002	10/15/2013	Co-58	-3.95E+00	5.64E+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	335730002	10/15/2013	Co-60	1.84E+00	4.14E+00	1.19E+01	U
TG	09	335730002	10/15/2013	Cr-51	5.11E+01	3.63E+01	1.17E+02	U
TG	09	335730002	10/15/2013	Cs-134	9.14E+00	6.48E+00	1.36E+01	U
TG	09	335730002	10/15/2013	Cs-137	-7.83E-01	3.89E+00	1.24E+01	U
TG	09	335730002	10/15/2013	Fe-59	7.34E+00	8.61E+00	2.51E+01	U
TG	09	335730002	10/15/2013	I-131	-1.33E+01	6.89E+00	1.95E+01	U
TG	09	335730002	10/15/2013	K-40	4.21E+03	2.40E+02	1.09E+02	
TG	09	335730002	10/15/2013	La-140	-5.97E+00	5.94E+00	1.76E+01	U
TG	09	335730002	10/15/2013	Mn-54	-2.17E-01	3.56E+00	1.19E+01	U
TG	09	335730002	10/15/2013	Nb-95	3.05E+00	3.66E+00	1.23E+01	U
TG	09	335730002	10/15/2013	Ru-103	-3.12E+00	3.95E+00	1.24E+01	U
TG	09	335730002	10/15/2013	Ru-106	-1.04E+02	4.94E+01	1.07E+02	U
TG	09	335730002	10/15/2013	Sb-124	1.83E+00	7.57E+00	2.57E+01	U
TG	09	335730002	10/15/2013	Sb-125	-1.82E+00	9.96E+00	3.26E+01	U
TG	09	335730002	10/15/2013	Se-75	-1.66E+00	4.82E+00	1.60E+01	U
TG	09	335730002	10/15/2013	Th-228	2.64E+01	1.14E+01	2.13E+01	
TG	09	335730002	10/15/2013	Zn-65	1.10E+01	9.74E+00	2.81E+01	U
TG	09	335730002	10/15/2013	Zr-95	-1.62E+00	7.62E+00	2.22E+01	U
TG	10	326835003	5/30/2013	Ac-228	0.00E+00	2.56E+01	5.11E+01	U
TG	10	326835003	5/30/2013	Ag-108m	2.13E+00	2.55E+00	8.47E+00	U
TG	10	326835003	5/30/2013	Ag-110m	2.44E+00	3.81E+00	1.29E+01	U
TG	10	326835003	5/30/2013	Ba-140	-7.15E+00	1.35E+01	4.32E+01	U
TG	10	326835003	5/30/2013	Be-7	4.27E+02	4.09E+01	7.73E+01	
TG	10	326835003	5/30/2013	Ce-141	8.07E+00	5.45E+00	1.52E+01	U
TG	10	326835003	5/30/2013	Ce-144	-3.45E+00	1.68E+01	5.49E+01	U
TG	10	326835003	5/30/2013	Co-57	2.37E-01	2.19E+00	7.22E+00	U
TG	10	326835003	5/30/2013	Co-58	-3.52E+00	2.75E+00	8.34E+00	U
TG	10	326835003	5/30/2013	Co-60	-6.71E-01	2.89E+00	9.29E+00	U
TG	10	326835003	5/30/2013	Cr-51	-2.77E+01	2.50E+01	7.90E+01	U
TG	10	326835003	5/30/2013	Cs-134	8.90E-01	3.22E+00	1.09E+01	U
TG	10	326835003	5/30/2013	Cs-137	-4.46E+00	4.36E+00	1.20E+01	U
TG	10	326835003	5/30/2013	Fe-59	4.10E+00	6.31E+00	2.11E+01	U
TG	10	326835003	5/30/2013	I-131	2.78E+00	4.61E+00	1.55E+01	U
TG	10	326835003	5/30/2013	K-40	2.70E+03	1.63E+02	7.28E+01	
TG	10	326835003	5/30/2013	La-140	4.61E+00	4.63E+00	1.56E+01	U
TG	10	326835003	5/30/2013	Mn-54	1.55E+00	2.78E+00	9.40E+00	U
TG	10	326835003	5/30/2013	Nb-95	-1.40E+00	2.96E+00	9.30E+00	U
TG	10	326835003	5/30/2013	Ru-103	3.33E+00	2.42E+00	9.75E+00	U
TG	10	326835003	5/30/2013	Ru-106	-2.97E+01	2.69E+01	7.90E+01	U
TG	10	326835003	5/30/2013	Sb-124	8.56E+00	6.22E+00	2.14E+01	U
TG	10	326835003	5/30/2013	Sb-125	7.14E-01	7.29E+00	2.42E+01	U
TG	10	326835003	5/30/2013	Se-75	5.38E+00	3.93E+00	1.23E+01	U
TG	10	326835003	5/30/2013	Th-228	2.56E+01	8.37E+00	1.58E+01	
TG	10	326835003	5/30/2013	Zn-65	-1.39E+00	6.87E+00	1.92E+01	U
TG	10	326835003	5/30/2013	Zr-95	3.56E+00	5.20E+00	1.69E+01	U
TG	10	328695003	6/26/2013	Ac-228	7.85E+01	2.52E+01	4.36E+01	
TG	10	328695003	6/26/2013	Ag-108m	3.43E+00	3.35E+00	9.47E+00	U
TG	10	328695003	6/26/2013	Ag-110m	1.97E+00	4.97E+00	1.64E+01	U
TG	10	328695003	6/26/2013	Ba-140	-2.47E+01	2.22E+01	7.00E+01	U
TG	10	328695003	6/26/2013	Be-7	1.12E+03	7.75E+01	9.55E+01	
TG	10	328695003	6/26/2013	Ce-141	-2.76E+00	5.54E+00	1.84E+01	U

Seabrook REMP Summary of 2013 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TG	10	328695003	6/26/2013	Ce-144	3.45E+00	2.08E+01	6.24E+01	U
TG	10	328695003	6/26/2013	Co-57	-7.41E-02	2.41E+00	8.16E+00	U
TG	10	328695003	6/26/2013	Co-58	-4.66E+00	3.67E+00	1.10E+01	U
TG	10	328695003	6/26/2013	Co-60	6.03E+00	4.51E+00	1.33E+01	U
TG	10	328695003	6/26/2013	Cr-51	2.81E+01	3.64E+01	1.19E+02	U
TG	10	328695003	6/26/2013	Cs-134	4.01E+00	6.18E+00	1.22E+01	U
TG	10	328695003	6/26/2013	Cs-137	2.65E+01	5.11E+00	1.16E+01	M
TG	10	328695003	6/26/2013	Fe-59	1.18E-01	7.67E+00	2.47E+01	U
TG	10	328695003	6/26/2013	I-131	5.45E+00	9.69E+00	3.16E+01	U
TG	10	328695003	6/26/2013	K-40	2.82E+03	1.76E+02	9.51E+01	
TG	10	328695003	6/26/2013	La-140	1.46E+01	1.33E+01	2.46E+01	U
TG	10	328695003	6/26/2013	Mn-54	2.33E+00	3.36E+00	1.11E+01	U
TG	10	328695003	6/26/2013	Nb-95	2.60E+00	3.65E+00	1.21E+01	U
TG	10	328695003	6/26/2013	Ru-103	2.21E+00	3.59E+00	1.22E+01	U
TG	10	328695003	6/26/2013	Ru-106	6.93E-01	3.14E+01	1.05E+02	U
TG	10	328695003	6/26/2013	Sb-124	-3.80E+00	8.60E+00	2.73E+01	U
TG	10	328695003	6/26/2013	Sb-125	5.03E-01	8.54E+00	2.75E+01	U
TG	10	328695003	6/26/2013	Se-75	-4.51E-01	4.41E+00	1.45E+01	U
TG	10	328695003	6/26/2013	Th-228	2.14E+01	1.24E+01	2.24E+01	U
TG	10	328695003	6/26/2013	Zn-65	7.42E+00	7.55E+00	2.57E+01	U
TG	10	328695003	6/26/2013	Zr-95	1.19E+00	8.46E+00	2.24E+01	U
TG	10	330578003	7/26/2013	Ac-228	3.86E+01	2.09E+01	4.02E+01	U
TG	10	330578003	7/26/2013	Ag-108m	4.22E-01	2.38E+00	7.91E+00	U
TG	10	330578003	7/26/2013	Ag-110m	1.02E+01	5.94E+00	1.32E+01	U
TG	10	330578003	7/26/2013	Ba-140	2.57E+01	1.83E+01	6.18E+01	U
TG	10	330578003	7/26/2013	Be-7	1.16E+03	8.19E+01	7.72E+01	
TG	10	330578003	7/26/2013	Ce-141	3.76E+00	5.51E+00	1.63E+01	U
TG	10	330578003	7/26/2013	Ce-144	1.23E+01	1.83E+01	5.44E+01	U
TG	10	330578003	7/26/2013	Co-57	-2.78E-01	2.10E+00	6.97E+00	U
TG	10	330578003	7/26/2013	Co-58	-4.27E+00	3.23E+00	9.77E+00	U
TG	10	330578003	7/26/2013	Co-60	3.33E+00	3.13E+00	1.03E+01	U
TG	10	330578003	7/26/2013	Cr-51	1.01E+00	2.89E+01	9.78E+01	U
TG	10	330578003	7/26/2013	Cs-134	-5.26E+00	5.70E+00	1.06E+01	U
TG	10	330578003	7/26/2013	Cs-137	6.26E+00	5.23E+00	9.48E+00	U
TG	10	330578003	7/26/2013	Fe-59	1.22E+01	7.76E+00	2.48E+01	U
TG	10	330578003	7/26/2013	I-131	1.32E+01	8.33E+00	2.69E+01	U
TG	10	330578003	7/26/2013	K-40	2.47E+03	1.56E+02	9.23E+01	
TG	10	330578003	7/26/2013	La-140	-1.58E+00	5.62E+00	1.82E+01	U
TG	10	330578003	7/26/2013	Mn-54	-7.96E-01	3.13E+00	8.91E+00	U
TG	10	330578003	7/26/2013	Nb-95	-4.11E+00	4.98E+00	1.08E+01	U
TG	10	330578003	7/26/2013	Ru-103	3.22E+00	3.19E+00	1.05E+01	U
TG	10	330578003	7/26/2013	Ru-106	1.64E+01	2.70E+01	8.79E+01	U
TG	10	330578003	7/26/2013	Sb-124	-7.08E+00	7.90E+00	2.40E+01	U
TG	10	330578003	7/26/2013	Sb-125	-6.96E+00	9.51E+00	2.54E+01	U
TG	10	330578003	7/26/2013	Se-75	1.68E+00	3.99E+00	1.28E+01	U
TG	10	330578003	7/26/2013	Th-228	-1.88E+00	7.10E+00	1.82E+01	U
TG	10	330578003	7/26/2013	Zn-65	-5.53E+00	1.21E+01	2.12E+01	U
TG	10	330578003	7/26/2013	Zr-95	-6.48E+00	5.37E+00	1.65E+01	U
TG	10	332175003	8/20/2013	Ac-228	6.65E+01	4.87E+01	1.02E+02	U
TG	10	332175003	8/20/2013	Ag-108m	1.56E-01	5.75E+00	1.85E+01	U
TG	10	332175003	8/20/2013	Ag-110m	1.06E+01	9.82E+00	3.03E+01	U

Seabrook REMP Summary of 2013 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TG	10	332175003	8/20/2013	Ba-140	3.08E+00	3.17E+01	1.06E+02	U
TG	10	332175003	8/20/2013	Be-7	9.01E+02	1.14E+02	1.68E+02	
TG	10	332175003	8/20/2013	Ce-141	1.29E+01	1.05E+01	3.27E+01	U
TG	10	332175003	8/20/2013	Ce-144	-4.18E+01	3.72E+01	1.12E+02	U
TG	10	332175003	8/20/2013	Co-57	7.59E+00	5.04E+00	1.56E+01	U
TG	10	332175003	8/20/2013	Co-58	0.00E+00	8.96E+00	1.96E+01	U
TG	10	332175003	8/20/2013	Co-60	-1.05E+01	7.94E+00	2.28E+01	U
TG	10	332175003	8/20/2013	Cr-51	1.59E+01	6.20E+01	2.04E+02	U
TG	10	332175003	8/20/2013	Cs-134	2.77E+00	6.96E+00	2.16E+01	U
TG	10	332175003	8/20/2013	Cs-137	0.00E+00	1.40E+01	1.88E+01	U
TG	10	332175003	8/20/2013	Fe-59	2.34E+01	1.57E+01	5.17E+01	U
TG	10	332175003	8/20/2013	I-131	2.22E+01	1.52E+01	4.29E+01	U
TG	10	332175003	8/20/2013	K-40	3.79E+03	2.71E+02	1.77E+02	
TG	10	332175003	8/20/2013	La-140	-3.98E+00	1.19E+01	3.72E+01	U
TG	10	332175003	8/20/2013	Mn-54	-7.95E-01	6.27E+00	2.02E+01	U
TG	10	332175003	8/20/2013	Nb-95	5.58E-01	6.32E+00	2.07E+01	U
TG	10	332175003	8/20/2013	Ru-103	2.52E+00	6.62E+00	2.24E+01	U
TG	10	332175003	8/20/2013	Ru-106	1.25E+01	5.61E+01	1.87E+02	U
TG	10	332175003	8/20/2013	Sb-124	-6.90E+00	1.42E+01	4.52E+01	U
TG	10	332175003	8/20/2013	Sb-125	-2.30E+01	1.84E+01	5.43E+01	U
TG	10	332175003	8/20/2013	Se-75	-1.22E+01	9.67E+00	2.58E+01	U
TG	10	332175003	8/20/2013	Th-228	2.76E+01	1.87E+01	3.60E+01	U
TG	10	332175003	8/20/2013	Zn-65	2.81E-01	1.35E+01	4.46E+01	U
TG	10	332175003	8/20/2013	Zr-95	7.35E+00	1.13E+01	3.74E+01	U
TG	10	333718003	9/17/2013	Ac-228	9.22E+00	2.17E+01	4.60E+01	U
TG	10	333718003	9/17/2013	Ag-108m	4.78E-02	2.75E+00	8.85E+00	U
TG	10	333718003	9/17/2013	Ag-110m	1.23E+00	4.03E+00	1.33E+01	U
TG	10	333718003	9/17/2013	Ba-140	3.25E+01	1.67E+01	5.28E+01	U
TG	10	333718003	9/17/2013	Be-7	2.03E+03	1.06E+02	8.41E+01	
TG	10	333718003	9/17/2013	Ce-141	3.95E+00	5.26E+00	1.57E+01	U
TG	10	333718003	9/17/2013	Ce-144	-1.40E+01	1.76E+01	5.80E+01	U
TG	10	333718003	9/17/2013	Co-57	4.15E+00	2.43E+00	7.75E+00	U
TG	10	333718003	9/17/2013	Co-58	1.40E+00	3.21E+00	1.06E+01	U
TG	10	333718003	9/17/2013	Co-60	4.39E+00	4.10E+00	1.21E+01	U
TG	10	333718003	9/17/2013	Cr-51	1.79E+01	2.97E+01	9.71E+01	U
TG	10	333718003	9/17/2013	Cs-134	-1.18E-01	3.53E+00	1.16E+01	U
TG	10	333718003	9/17/2013	Cs-137	2.45E+01	5.67E+00	1.06E+01	M
TG	10	333718003	9/17/2013	Fe-59	-9.22E-01	6.84E+00	2.19E+01	U
TG	10	333718003	9/17/2013	I-131	1.07E-01	5.17E+00	1.68E+01	U
TG	10	333718003	9/17/2013	K-40	3.12E+03	1.85E+02	1.00E+02	
TG	10	333718003	9/17/2013	La-140	-8.24E+00	1.38E+01	1.65E+01	U
TG	10	333718003	9/17/2013	Mn-54	-5.37E-02	3.04E+00	9.97E+00	U
TG	10	333718003	9/17/2013	Nb-95	4.38E+00	3.16E+00	1.03E+01	U
TG	10	333718003	9/17/2013	Ru-103	-2.27E+00	3.07E+00	1.00E+01	U
TG	10	333718003	9/17/2013	Ru-106	5.40E+01	3.13E+01	9.99E+01	U
TG	10	333718003	9/17/2013	Sb-124	-6.40E+00	7.10E+00	2.15E+01	U
TG	10	333718003	9/17/2013	Sb-125	1.42E+00	8.61E+00	2.78E+01	U
TG	10	333718003	9/17/2013	Se-75	-6.36E+00	4.60E+00	1.28E+01	U
TG	10	333718003	9/17/2013	Th-228	1.34E+01	9.26E+00	1.73E+01	U
TG	10	333718003	9/17/2013	Zn-65	1.28E+01	1.21E+01	2.39E+01	U
TG	10	333718003	9/17/2013	Zr-95	8.58E+00	5.81E+00	1.89E+01	U

Seabrook REMP Summary of 2013 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TG	10	335730003	10/15/2013	Ac-228	7.21E+01	3.72E+01	7.38E+01	U
TG	10	335730003	10/15/2013	Ag-108m	4.67E+00	3.55E+00	1.15E+01	U
TG	10	335730003	10/15/2013	Ag-110m	-2.62E+00	5.55E+00	1.79E+01	U
TG	10	335730003	10/15/2013	Ba-140	-1.23E+01	2.27E+01	7.15E+01	U
TG	10	335730003	10/15/2013	Be-7	1.46E+03	1.04E+02	1.15E+02	
TG	10	335730003	10/15/2013	Ce-141	5.99E-01	6.68E+00	1.93E+01	U
TG	10	335730003	10/15/2013	Ce-144	4.68E+00	2.14E+01	6.99E+01	U
TG	10	335730003	10/15/2013	Co-57	1.05E+00	2.72E+00	8.92E+00	U
TG	10	335730003	10/15/2013	Co-58	-6.00E-01	4.41E+00	1.26E+01	U
TG	10	335730003	10/15/2013	Co-60	7.86E-01	4.64E+00	1.45E+01	U
TG	10	335730003	10/15/2013	Cr-51	2.70E+00	3.77E+01	1.26E+02	U
TG	10	335730003	10/15/2013	Cs-134	6.34E+00	4.67E+00	1.54E+01	U
TG	10	335730003	10/15/2013	Cs-137	1.48E+01	5.82E+00	1.56E+01	U
TG	10	335730003	10/15/2013	Fe-59	3.11E+01	1.29E+01	3.41E+01	U
TG	10	335730003	10/15/2013	I-131	6.65E+00	8.54E+00	2.84E+01	U
TG	10	335730003	10/15/2013	K-40	4.28E+03	2.43E+02	1.35E+02	
TG	10	335730003	10/15/2013	La-140	-5.25E+00	8.02E+00	2.10E+01	U
TG	10	335730003	10/15/2013	Mn-54	1.38E+00	3.76E+00	1.26E+01	U
TG	10	335730003	10/15/2013	Nb-95	-3.65E+00	4.45E+00	1.42E+01	U
TG	10	335730003	10/15/2013	Ru-103	-1.11E+00	4.13E+00	1.33E+01	U
TG	10	335730003	10/15/2013	Ru-106	5.54E+00	3.60E+01	1.16E+02	U
TG	10	335730003	10/15/2013	Sb-124	-5.62E+00	9.26E+00	2.88E+01	U
TG	10	335730003	10/15/2013	Sb-125	1.02E+01	1.08E+01	3.53E+01	U
TG	10	335730003	10/15/2013	Se-75	3.35E+00	5.28E+00	1.73E+01	U
TG	10	335730003	10/15/2013	Th-228	8.03E+00	1.36E+01	2.20E+01	U
TG	10	335730003	10/15/2013	Zn-65	4.43E-01	9.97E+00	3.24E+01	U
TG	10	335730003	10/15/2013	Zr-95	6.36E+00	7.74E+00	2.61E+01	U

Seabrook REMP Summary of 2013 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TM	15	318309001	1/9/2013	Ac-228	3.82E+00	4.71E+00	1.06E+01	U
TM	15	318309001	1/9/2013	Ag-108m	1.93E-01	6.06E-01	2.05E+00	U
TM	15	318309001	1/9/2013	Ag-110m	3.03E-02	1.14E+00	2.17E+00	U
TM	15	318309001	1/9/2013	Ba-140	5.63E-01	9.78E-01	3.34E+00	U
TM	15	318309001	1/9/2013	Be-7	-6.29E+00	6.23E+00	1.99E+01	U
TM	15	318309001	1/9/2013	Ce-141	-2.00E+00	1.64E+00	4.18E+00	U
TM	15	318309001	1/9/2013	Ce-144	2.55E+00	4.70E+00	1.60E+01	U
TM	15	318309001	1/9/2013	Co-57	6.37E-01	6.68E-01	2.10E+00	U
TM	15	318309001	1/9/2013	Co-58	-9.77E-01	7.88E-01	2.35E+00	U
TM	15	318309001	1/9/2013	Co-60	-1.17E-01	8.15E-01	2.65E+00	U
TM	15	318309001	1/9/2013	Cr-51	2.23E+01	8.62E+00	2.37E+01	U
TM	15	318309001	1/9/2013	Cs-134	1.25E+00	8.68E-01	2.77E+00	U
TM	15	318309001	1/9/2013	Cs-137	5.13E+00	1.63E+00	2.24E+00	M
TM	15	318309001	1/9/2013	Fe-59	-8.78E-01	1.80E+00	5.84E+00	U
TM	15	318309001	1/9/2013	I-131	1.07E-01	2.20E-01	7.23E-01	U
TM	15	318309001	1/9/2013	K-40	1.54E+03	7.77E+01	2.14E+01	
TM	15	318309001	1/9/2013	La-140	5.63E-01	9.78E-01	3.34E+00	U
TM	15	318309001	1/9/2013	Mn-54	-4.89E-01	7.61E-01	2.39E+00	U
TM	15	318309001	1/9/2013	Nb-95	-1.49E+00	8.29E-01	2.31E+00	U
TM	15	318309001	1/9/2013	Ru-103	-6.77E-01	7.70E-01	2.48E+00	U
TM	15	318309001	1/9/2013	Ru-106	4.03E+00	6.74E+00	2.24E+01	U
TM	15	318309001	1/9/2013	Sb-124	-1.76E+00	1.52E+00	4.54E+00	U
TM	15	318309001	1/9/2013	Sb-125	-1.68E+00	1.99E+00	6.12E+00	U
TM	15	318309001	1/9/2013	Se-75	1.24E+00	1.06E+00	3.32E+00	U
TM	15	318309001	1/9/2013	Th-228	1.21E-01	2.19E+00	4.44E+00	U
TM	15	318309001	1/9/2013	Zn-65	3.80E-01	2.00E+00	5.73E+00	U
TM	15	318309001	1/9/2013	Zr-95	-1.75E+00	1.47E+00	4.45E+00	U
TM	15	320046001	2/6/2013	Ac-228	-5.12E+00	4.36E+00	1.15E+01	U
TM	15	320046001	2/6/2013	Ag-108m	-8.00E-02	6.54E-01	2.21E+00	U
TM	15	320046001	2/6/2013	Ag-110m	2.96E-01	7.69E-01	2.22E+00	U
TM	15	320046001	2/6/2013	Ba-140	5.18E-01	1.02E+00	3.46E+00	U
TM	15	320046001	2/6/2013	Be-7	2.23E+00	5.70E+00	1.93E+01	U
TM	15	320046001	2/6/2013	Ce-141	-8.28E-01	1.89E+00	4.25E+00	U
TM	15	320046001	2/6/2013	Ce-144	8.24E-01	4.83E+00	1.59E+01	U
TM	15	320046001	2/6/2013	Co-57	-1.58E-01	6.51E-01	2.06E+00	U
TM	15	320046001	2/6/2013	Co-58	1.00E+00	7.81E-01	2.51E+00	U
TM	15	320046001	2/6/2013	Co-60	-1.31E-01	8.31E-01	2.70E+00	U
TM	15	320046001	2/6/2013	Cr-51	-2.59E+00	7.02E+00	2.26E+01	U
TM	15	320046001	2/6/2013	Cs-134	7.25E-01	8.59E-01	2.80E+00	U
TM	15	320046001	2/6/2013	Cs-137	2.22E+00	8.52E-01	2.49E+00	U
TM	15	320046001	2/6/2013	Fe-59	-1.52E+00	2.45E+00	5.99E+00	U
TM	15	320046001	2/6/2013	I-131	2.60E-01	1.59E-01	5.13E-01	U
TM	15	320046001	2/6/2013	K-40	1.66E+03	8.26E+01	2.20E+01	
TM	15	320046001	2/6/2013	La-140	5.18E-01	1.02E+00	3.46E+00	U
TM	15	320046001	2/6/2013	Mn-54	-1.07E+00	7.82E-01	2.29E+00	U
TM	15	320046001	2/6/2013	Nb-95	1.76E+00	8.36E-01	2.53E+00	U
TM	15	320046001	2/6/2013	Ru-103	4.41E-01	7.30E-01	2.45E+00	U
TM	15	320046001	2/6/2013	Ru-106	3.23E+00	6.40E+00	2.13E+01	U
TM	15	320046001	2/6/2013	Sb-124	-2.16E+00	1.65E+00	4.88E+00	U
TM	15	320046001	2/6/2013	Sb-125	2.95E+00	2.15E+00	6.73E+00	U
TM	15	320046001	2/6/2013	Se-75	-1.41E+00	1.04E+00	3.16E+00	U

Seabrook REMP Summary of 2013 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TM	15	320046001	2/6/2013	Th-228	4.33E-01	2.47E+00	5.12E+00	U
TM	15	320046001	2/6/2013	Zn-65	-3.92E+00	2.03E+00	5.62E+00	U
TM	15	320046001	2/6/2013	Zr-95	2.40E+00	1.63E+00	4.58E+00	U
TM	15	321558001	3/6/2013	Ac-228	5.75E+00	5.41E+00	1.45E+01	U
TM	15	321558001	3/6/2013	Ag-108m	1.94E+00	9.42E-01	2.92E+00	U
TM	15	321558001	3/6/2013	Ag-110m	1.57E+00	1.02E+00	3.06E+00	U
TM	15	321558001	3/6/2013	Ba-140	2.27E-01	1.29E+00	3.52E+00	U
TM	15	321558001	3/6/2013	Be-7	-8.36E+00	8.55E+00	2.60E+01	U
TM	15	321558001	3/6/2013	Ce-141	3.57E-01	2.07E+00	5.20E+00	U
TM	15	321558001	3/6/2013	Ce-144	1.09E+01	6.74E+00	2.08E+01	U
TM	15	321558001	3/6/2013	Co-57	-5.57E-01	9.01E-01	2.62E+00	U
TM	15	321558001	3/6/2013	Co-58	2.02E-01	9.45E-01	3.16E+00	U
TM	15	321558001	3/6/2013	Co-60	-1.13E+00	1.29E+00	3.99E+00	U
TM	15	321558001	3/6/2013	Cr-51	-2.63E+00	8.70E+00	2.85E+01	U
TM	15	321558001	3/6/2013	Cs-134	-1.03E+00	1.11E+00	3.23E+00	U
TM	15	321558001	3/6/2013	Cs-137	3.20E+00	1.30E+00	3.96E+00	U
TM	15	321558001	3/6/2013	Fe-59	4.46E-01	2.37E+00	7.77E+00	U
TM	15	321558001	3/6/2013	I-131	-9.88E-02	1.88E-01	6.22E-01	U
TM	15	321558001	3/6/2013	K-40	1.51E+03	8.28E+01	2.58E+01	
TM	15	321558001	3/6/2013	La-140	2.27E-01	1.29E+00	3.52E+00	U
TM	15	321558001	3/6/2013	Mn-54	-1.77E-01	9.37E-01	3.07E+00	U
TM	15	321558001	3/6/2013	Nb-95	-1.14E+00	9.89E-01	3.00E+00	U
TM	15	321558001	3/6/2013	Ru-103	-1.49E+00	9.96E-01	2.81E+00	U
TM	15	321558001	3/6/2013	Ru-106	-1.45E+01	8.34E+00	2.36E+01	U
TM	15	321558001	3/6/2013	Sb-124	-4.03E-01	2.00E+00	6.47E+00	U
TM	15	321558001	3/6/2013	Sb-125	1.62E+00	2.65E+00	8.76E+00	U
TM	15	321558001	3/6/2013	Se-75	-4.95E-01	1.44E+00	4.19E+00	U
TM	15	321558001	3/6/2013	Th-228	0.00E+00	3.59E+00	7.06E+00	U
TM	15	321558001	3/6/2013	Zn-65	-2.38E-01	2.62E+00	7.29E+00	U
TM	15	321558001	3/6/2013	Zr-95	-5.46E-01	1.77E+00	5.82E+00	U
TM	15	323166001	4/3/2013	Ac-228	1.18E+00	3.69E+00	1.05E+01	U
TM	15	323166001	4/3/2013	Ag-108m	-1.17E-01	5.84E-01	1.95E+00	U
TM	15	323166001	4/3/2013	Ag-110m	1.48E+00	7.70E-01	2.11E+00	U
TM	15	323166001	4/3/2013	Ba-140	-2.11E+00	1.12E+00	2.81E+00	U
TM	15	323166001	4/3/2013	Be-7	-7.30E+00	5.93E+00	1.84E+01	U
TM	15	323166001	4/3/2013	Ce-141	-1.76E+00	1.73E+00	4.03E+00	U
TM	15	323166001	4/3/2013	Ce-144	-1.51E+00	4.43E+00	1.49E+01	U
TM	15	323166001	4/3/2013	Co-57	1.10E-01	5.96E-01	2.03E+00	U
TM	15	323166001	4/3/2013	Co-58	4.55E-01	6.76E-01	2.29E+00	U
TM	15	323166001	4/3/2013	Co-60	-1.53E-01	8.20E-01	2.63E+00	U
TM	15	323166001	4/3/2013	Cr-51	1.57E+01	7.31E+00	2.14E+01	U
TM	15	323166001	4/3/2013	Cs-134	-1.31E-01	7.55E-01	2.53E+00	U
TM	15	323166001	4/3/2013	Cs-137	4.92E+00	9.90E-01	2.31E+00	M
TM	15	323166001	4/3/2013	Fe-59	-3.08E+00	1.78E+00	5.02E+00	U
TM	15	323166001	4/3/2013	I-131	1.55E-01	1.63E-01	5.47E-01	U
TM	15	323166001	4/3/2013	K-40	1.47E+03	7.41E+01	2.29E+01	
TM	15	323166001	4/3/2013	La-140	-2.11E+00	1.12E+00	2.81E+00	U
TM	15	323166001	4/3/2013	Mn-54	-2.61E-01	6.74E-01	2.23E+00	U
TM	15	323166001	4/3/2013	Nb-95	-4.83E-01	9.81E-01	2.30E+00	U
TM	15	323166001	4/3/2013	Ru-103	-3.87E-01	7.68E-01	2.16E+00	U
TM	15	323166001	4/3/2013	Ru-106	-1.08E+01	6.65E+00	1.91E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TM	15	323166001	4/3/2013	Sb-124	1.39E+00	1.54E+00	5.18E+00	U
TM	15	323166001	4/3/2013	Sb-125	-3.06E+00	2.47E+00	5.81E+00	U
TM	15	323166001	4/3/2013	Se-75	-7.46E-01	9.53E-01	3.02E+00	U
TM	15	323166001	4/3/2013	Th-228	-3.19E+00	2.50E+00	5.39E+00	U
TM	15	323166001	4/3/2013	Zn-65	2.54E+00	2.05E+00	5.81E+00	U
TM	15	323166001	4/3/2013	Zr-95	3.32E+00	4.14E+00	4.14E+00	U
TM	15	324224001	4/17/2013	Ac-228	2.06E+01	3.92E+00	6.68E+00	
TM	15	324224001	4/17/2013	Ag-108m	-5.83E-01	5.00E-01	1.59E+00	U
TM	15	324224001	4/17/2013	Ag-110m	-4.17E-01	6.31E-01	1.75E+00	U
TM	15	324224001	4/17/2013	Ba-140	-5.20E-01	7.34E-01	2.29E+00	U
TM	15	324224001	4/17/2013	Be-7	-7.25E+00	4.81E+00	1.46E+01	U
TM	15	324224001	4/17/2013	Ce-141	-8.73E-01	1.01E+00	3.16E+00	U
TM	15	324224001	4/17/2013	Ce-144	9.85E-01	3.65E+00	1.23E+01	U
TM	15	324224001	4/17/2013	Co-57	1.22E+00	5.59E-01	1.65E+00	U
TM	15	324224001	4/17/2013	Co-58	-4.52E-01	5.83E-01	1.83E+00	U
TM	15	324224001	4/17/2013	Co-60	1.21E+00	8.48E-01	2.18E+00	U
TM	15	324224001	4/17/2013	Cr-51	1.51E+00	5.19E+00	1.69E+01	U
TM	15	324224001	4/17/2013	Cs-134	-7.03E-01	7.74E-01	2.07E+00	U
TM	15	324224001	4/17/2013	Cs-137	2.80E+00	1.11E+00	1.97E+00	M
TM	15	324224001	4/17/2013	Fe-59	-2.20E+00	1.65E+00	4.24E+00	U
TM	15	324224001	4/17/2013	I-131	4.18E-01	2.17E-01	6.67E-01	U
TM	15	324224001	4/17/2013	K-40	1.51E+03	7.37E+01	1.61E+01	
TM	15	324224001	4/17/2013	La-140	-5.20E-01	7.34E-01	2.29E+00	U
TM	15	324224001	4/17/2013	Mn-54	1.11E+00	5.95E-01	1.84E+00	U
TM	15	324224001	4/17/2013	Nb-95	-3.42E-01	5.45E-01	1.74E+00	U
TM	15	324224001	4/17/2013	Ru-103	-7.11E-02	5.78E-01	1.93E+00	U
TM	15	324224001	4/17/2013	Ru-106	-1.41E+01	6.83E+00	1.56E+01	U
TM	15	324224001	4/17/2013	Sb-124	2.36E-01	1.09E+00	3.59E+00	U
TM	15	324224001	4/17/2013	Sb-125	2.60E+00	1.65E+00	5.09E+00	U
TM	15	324224001	4/17/2013	Se-75	-1.31E-02	7.78E-01	2.54E+00	U
TM	15	324224001	4/17/2013	Th-228	2.85E+00	1.86E+00	3.92E+00	U
TM	15	324224001	4/17/2013	Zn-65	-1.32E+00	1.44E+00	4.60E+00	U
TM	15	324224001	4/17/2013	Zr-95	7.33E-01	1.02E+00	3.35E+00	U
TM	15	325182001	5/1/2013	Ac-228	6.29E+00	4.92E+00	8.03E+00	U
TM	15	325182001	5/1/2013	Ag-108m	8.85E-02	5.50E-01	1.83E+00	U
TM	15	325182001	5/1/2013	Ag-110m	7.68E-01	7.29E-01	2.06E+00	U
TM	15	325182001	5/1/2013	Ba-140	1.52E+00	9.20E-01	3.07E+00	U
TM	15	325182001	5/1/2013	Be-7	5.20E+00	5.68E+00	1.87E+01	U
TM	15	325182001	5/1/2013	Ce-141	0.00E+00	1.63E+00	3.94E+00	U
TM	15	325182001	5/1/2013	Ce-144	-5.15E+00	4.46E+00	1.39E+01	U
TM	15	325182001	5/1/2013	Co-57	-6.20E-01	5.91E-01	1.87E+00	U
TM	15	325182001	5/1/2013	Co-58	2.13E-01	6.45E-01	2.18E+00	U
TM	15	325182001	5/1/2013	Co-60	-1.06E-01	7.34E-01	2.38E+00	U
TM	15	325182001	5/1/2013	Cr-51	-3.53E+00	6.92E+00	1.99E+01	U
TM	15	325182001	5/1/2013	Cs-134	1.42E+00	7.61E-01	2.42E+00	U
TM	15	325182001	5/1/2013	Cs-137	1.41E+00	1.30E+00	2.28E+00	U
TM	15	325182001	5/1/2013	Fe-59	1.90E+00	1.61E+00	5.23E+00	U
TM	15	325182001	5/1/2013	I-131	-3.84E-02	1.72E-01	5.76E-01	U
TM	15	325182001	5/1/2013	K-40	1.58E+03	7.66E+01	1.77E+01	
TM	15	325182001	5/1/2013	La-140	1.52E+00	9.20E-01	3.07E+00	U
TM	15	325182001	5/1/2013	Mn-54	-4.14E-01	6.41E-01	2.09E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TM	15	325182001	5/1/2013	Nb-95	8.14E-01	7.11E-01	2.27E+00	U
TM	15	325182001	5/1/2013	Ru-103	-1.34E+00	7.51E-01	2.16E+00	U
TM	15	325182001	5/1/2013	Ru-106	2.52E+00	5.75E+00	1.88E+01	U
TM	15	325182001	5/1/2013	Sb-124	7.10E-01	1.36E+00	4.61E+00	U
TM	15	325182001	5/1/2013	Sb-125	-1.99E+00	1.99E+00	5.42E+00	U
TM	15	325182001	5/1/2013	Se-75	9.47E-01	9.19E-01	2.91E+00	U
TM	15	325182001	5/1/2013	Th-228	1.63E+00	1.96E+00	4.45E+00	U
TM	15	325182001	5/1/2013	Zn-65	1.29E+00	1.81E+00	5.18E+00	U
TM	15	325182001	5/1/2013	Zr-95	-2.17E-01	1.39E+00	3.83E+00	U
TM	15	325993001	5/15/2013	Ac-228	-3.96E+00	4.36E+00	1.01E+01	U
TM	15	325993001	5/15/2013	Ag-108m	6.83E-01	6.84E-01	2.23E+00	U
TM	15	325993001	5/15/2013	Ag-110m	-9.03E-01	8.31E-01	2.25E+00	U
TM	15	325993001	5/15/2013	Ba-140	4.29E-01	1.01E+00	3.44E+00	U
TM	15	325993001	5/15/2013	Be-7	3.01E+00	6.43E+00	2.10E+01	U
TM	15	325993001	5/15/2013	Ce-141	3.37E+00	2.05E+00	4.86E+00	U
TM	15	325993001	5/15/2013	Ce-144	6.75E+00	5.48E+00	1.71E+01	U
TM	15	325993001	5/15/2013	Co-57	1.65E-01	6.86E-01	2.20E+00	U
TM	15	325993001	5/15/2013	Co-58	1.17E+00	8.48E-01	2.66E+00	U
TM	15	325993001	5/15/2013	Co-60	3.30E-01	9.98E-01	2.82E+00	U
TM	15	325993001	5/15/2013	Cr-51	3.65E+00	7.22E+00	2.40E+01	U
TM	15	325993001	5/15/2013	Cs-134	-1.95E-01	9.64E-01	2.64E+00	U
TM	15	325993001	5/15/2013	Cs-137	7.25E+00	1.41E+00	2.43E+00	M
TM	15	325993001	5/15/2013	Fe-59	6.45E-01	1.75E+00	5.78E+00	U
TM	15	325993001	5/15/2013	I-131	-9.38E-02	2.26E-01	7.49E-01	U
TM	15	325993001	5/15/2013	K-40	1.53E+03	8.03E+01	2.47E+01	
TM	15	325993001	5/15/2013	La-140	4.29E-01	1.01E+00	3.44E+00	U
TM	15	325993001	5/15/2013	Mn-54	1.51E+00	7.98E-01	2.54E+00	U
TM	15	325993001	5/15/2013	Nb-95	5.39E-01	7.43E-01	2.50E+00	U
TM	15	325993001	5/15/2013	Ru-103	-1.72E+00	8.91E-01	2.41E+00	U
TM	15	325993001	5/15/2013	Ru-106	5.95E-01	6.32E+00	2.03E+01	U
TM	15	325993001	5/15/2013	Sb-124	5.59E-01	1.63E+00	5.42E+00	U
TM	15	325993001	5/15/2013	Sb-125	-2.89E+00	2.09E+00	6.18E+00	U
TM	15	325993001	5/15/2013	Se-75	-1.91E+00	1.08E+00	3.15E+00	U
TM	15	325993001	5/15/2013	Th-228	3.83E+00	2.33E+00	5.18E+00	U
TM	15	325993001	5/15/2013	Zn-65	-3.56E+00	2.03E+00	5.59E+00	U
TM	15	325993001	5/15/2013	Zr-95	-6.42E-01	1.22E+00	3.97E+00	U
TM	15	327669001	6/12/2013	Ac-228	5.09E+00	3.58E+00	7.02E+00	U
TM	15	327669001	6/12/2013	Ag-108m	-2.99E-01	4.94E-01	1.59E+00	U
TM	15	327669001	6/12/2013	Ag-110m	5.12E-01	6.17E-01	1.75E+00	U
TM	15	327669001	6/12/2013	Ba-140	-8.10E-01	8.08E-01	2.39E+00	U
TM	15	327669001	6/12/2013	Be-7	-7.14E-01	5.68E+00	1.62E+01	U
TM	15	327669001	6/12/2013	Ce-141	2.60E+00	1.36E+00	3.57E+00	U
TM	15	327669001	6/12/2013	Ce-144	-7.62E+00	4.50E+00	1.29E+01	U
TM	15	327669001	6/12/2013	Co-57	-6.59E-01	5.58E-01	1.70E+00	U
TM	15	327669001	6/12/2013	Co-58	-1.11E+00	6.20E-01	1.79E+00	U
TM	15	327669001	6/12/2013	Co-60	1.45E-01	5.90E-01	1.93E+00	U
TM	15	327669001	6/12/2013	Cr-51	-8.99E-01	5.47E+00	1.81E+01	U
TM	15	327669001	6/12/2013	Cs-134	-1.03E-01	6.25E-01	2.09E+00	U
TM	15	327669001	6/12/2013	Cs-137	3.58E+00	8.14E-01	1.90E+00	M
TM	15	327669001	6/12/2013	Fe-59	4.56E-01	1.33E+00	4.42E+00	U
TM	15	327669001	6/12/2013	I-131	-4.46E-02	2.84E-01	9.36E-01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TM	15	327669001	6/12/2013	K-40	1.69E+03	8.05E+01	1.43E+01	
TM	15	327669001	6/12/2013	La-140	-8.10E-01	8.08E-01	2.39E+00	U
TM	15	327669001	6/12/2013	Mn-54	7.45E-02	5.44E-01	1.83E+00	U
TM	15	327669001	6/12/2013	Nb-95	9.55E-01	6.04E-01	1.96E+00	U
TM	15	327669001	6/12/2013	Ru-103	8.15E-01	6.92E-01	1.95E+00	U
TM	15	327669001	6/12/2013	Ru-106	5.83E+00	4.86E+00	1.55E+01	U
TM	15	327669001	6/12/2013	Sb-124	2.27E-01	9.43E-01	3.20E+00	U
TM	15	327669001	6/12/2013	Sb-125	2.25E+00	1.60E+00	5.12E+00	U
TM	15	327669001	6/12/2013	Se-75	-5.25E-01	7.81E-01	2.56E+00	U
TM	15	327669001	6/12/2013	Th-228	1.38E+00	1.68E+00	4.08E+00	U
TM	15	327669001	6/12/2013	Zn-65	6.16E-01	1.51E+00	4.36E+00	U
TM	15	327669001	6/12/2013	Zr-95	4.21E-01	9.61E-01	3.26E+00	U
TM	15	329160001	6/26/2013	Ac-228	0.00E+00	4.50E+00	1.01E+01	U
TM	15	329160001	6/26/2013	Ag-108m	6.54E-01	5.91E-01	1.95E+00	U
TM	15	329160001	6/26/2013	Ag-110m	0.00E+00	1.18E+00	2.44E+00	U
TM	15	329160001	6/26/2013	Ba-140	-3.57E+00	1.99E+00	5.33E+00	U
TM	15	329160001	6/26/2013	Be-7	-7.85E+00	6.72E+00	2.09E+01	U
TM	15	329160001	6/26/2013	Ce-141	-1.64E+00	1.32E+00	3.93E+00	U
TM	15	329160001	6/26/2013	Ce-144	5.03E-01	3.97E+00	1.27E+01	U
TM	15	329160001	6/26/2013	Co-57	6.88E-02	4.92E-01	1.58E+00	U
TM	15	329160001	6/26/2013	Co-58	5.23E-02	8.20E-01	2.74E+00	U
TM	15	329160001	6/26/2013	Co-60	-5.70E-01	8.23E-01	2.63E+00	U
TM	15	329160001	6/26/2013	Cr-51	-5.49E+00	7.51E+00	2.36E+01	U
TM	15	329160001	6/26/2013	Cs-134	2.89E-01	7.81E-01	2.62E+00	U
TM	15	329160001	6/26/2013	Cs-137	7.84E+00	1.10E+00	2.30E+00	M
TM	15	329160001	6/26/2013	Fe-59	2.70E-02	2.07E+00	6.73E+00	U
TM	15	329160001	6/26/2013	I-131	1.77E-01	2.46E-01	8.19E-01	U
TM	15	329160001	6/26/2013	K-40	1.73E+03	8.51E+01	2.18E+01	
TM	15	329160001	6/26/2013	La-140	-3.57E+00	1.99E+00	5.33E+00	U
TM	15	329160001	6/26/2013	Mn-54	9.60E-01	7.68E-01	2.52E+00	U
TM	15	329160001	6/26/2013	Nb-95	1.73E+00	9.13E-01	2.88E+00	U
TM	15	329160001	6/26/2013	Ru-103	-2.72E-01	8.19E-01	2.69E+00	U
TM	15	329160001	6/26/2013	Ru-106	2.01E+00	5.99E+00	1.96E+01	U
TM	15	329160001	6/26/2013	Sb-124	-2.74E+00	2.52E+00	5.57E+00	U
TM	15	329160001	6/26/2013	Sb-125	1.53E+00	1.78E+00	5.95E+00	U
TM	15	329160001	6/26/2013	Se-75	-3.07E-01	8.59E-01	2.80E+00	U
TM	15	329160001	6/26/2013	Th-228	2.63E+00	2.08E+00	3.52E+00	U
TM	15	329160001	6/26/2013	Zn-65	-1.63E+00	2.11E+00	6.59E+00	U
TM	15	329160001	6/26/2013	Zr-95	-5.30E-01	1.39E+00	4.61E+00	U
TM	15	329424001	7/10/2013	Ac-228	-2.44E+00	5.36E+00	1.69E+01	U
TM	15	329424001	7/10/2013	Ag-108m	7.34E-01	9.37E-01	3.16E+00	U
TM	15	329424001	7/10/2013	Ag-110m	4.59E-01	1.24E+00	3.56E+00	U
TM	15	329424001	7/10/2013	Ba-140	2.80E+00	1.99E+00	6.46E+00	U
TM	15	329424001	7/10/2013	Be-7	2.52E+00	1.01E+01	3.34E+01	U
TM	15	329424001	7/10/2013	Ce-141	-1.27E+00	2.37E+00	6.59E+00	U
TM	15	329424001	7/10/2013	Ce-144	1.39E+00	7.17E+00	2.36E+01	U
TM	15	329424001	7/10/2013	Co-57	1.30E+00	9.95E-01	3.25E+00	U
TM	15	329424001	7/10/2013	Co-58	-1.21E+00	1.17E+00	3.55E+00	U
TM	15	329424001	7/10/2013	Co-60	-1.01E-01	1.14E+00	3.80E+00	U
TM	15	329424001	7/10/2013	Cr-51	-9.26E-01	1.03E+01	3.44E+01	U
TM	15	329424001	7/10/2013	Cs-134	3.94E-01	1.26E+00	4.26E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TM	15	329424001	7/10/2013	Cs-137	6.24E+00	2.09E+00	4.28E+00	M
TM	15	329424001	7/10/2013	Fe-59	-2.41E-01	3.05E+00	8.96E+00	U
TM	15	329424001	7/10/2013	I-131	-4.51E-02	2.93E-01	9.55E-01	U
TM	15	329424001	7/10/2013	K-40	1.68E+03	9.56E+01	2.92E+01	
TM	15	329424001	7/10/2013	La-140	2.80E+00	1.99E+00	6.46E+00	U
TM	15	329424001	7/10/2013	Mn-54	4.90E-01	1.28E+00	3.79E+00	U
TM	15	329424001	7/10/2013	Nb-95	5.55E-01	1.37E+00	4.54E+00	U
TM	15	329424001	7/10/2013	Ru-103	-1.39E+00	1.14E+00	3.32E+00	U
TM	15	329424001	7/10/2013	Ru-106	-1.16E+01	1.05E+01	3.04E+01	U
TM	15	329424001	7/10/2013	Sb-124	-1.03E+00	2.22E+00	6.85E+00	U
TM	15	329424001	7/10/2013	Sb-125	3.20E+00	3.03E+00	1.02E+01	U
TM	15	329424001	7/10/2013	Se-75	3.26E+00	1.78E+00	4.89E+00	U
TM	15	329424001	7/10/2013	Th-228	-5.43E+00	2.87E+00	7.52E+00	U
TM	15	329424001	7/10/2013	Zn-65	-2.74E+00	3.25E+00	9.88E+00	U
TM	15	329424001	7/10/2013	Zr-95	-2.91E+00	2.14E+00	6.25E+00	U
TM	15	330434001	7/24/2013	Ac-228	-5.81E+00	5.37E+00	1.46E+01	U
TM	15	330434001	7/24/2013	Ag-108m	-2.29E+00	1.06E+00	2.71E+00	U
TM	15	330434001	7/24/2013	Ag-110m	-1.31E+00	1.15E+00	2.82E+00	U
TM	15	330434001	7/24/2013	Ba-140	-3.51E-01	1.43E+00	4.59E+00	U
TM	15	330434001	7/24/2013	Be-7	-8.06E+00	8.59E+00	2.63E+01	U
TM	15	330434001	7/24/2013	Ce-141	2.37E+00	1.84E+00	5.20E+00	U
TM	15	330434001	7/24/2013	Ce-144	2.55E+00	6.19E+00	2.05E+01	U
TM	15	330434001	7/24/2013	Co-57	-5.93E-01	8.74E-01	2.81E+00	U
TM	15	330434001	7/24/2013	Co-58	6.09E-01	1.03E+00	3.48E+00	U
TM	15	330434001	7/24/2013	Co-60	1.91E+00	1.13E+00	3.29E+00	U
TM	15	330434001	7/24/2013	Cr-51	5.10E+00	8.98E+00	3.05E+01	U
TM	15	330434001	7/24/2013	Cs-134	5.61E-01	1.12E+00	3.81E+00	U
TM	15	330434001	7/24/2013	Cs-137	5.40E+00	1.71E+00	3.33E+00	M
TM	15	330434001	7/24/2013	Fe-59	-8.13E-01	2.43E+00	7.73E+00	U
TM	15	330434001	7/24/2013	I-131	3.43E-03	1.13E-01	3.81E-01	U
TM	15	330434001	7/24/2013	K-40	1.68E+03	9.19E+01	2.50E+01	
TM	15	330434001	7/24/2013	La-140	-3.51E-01	1.43E+00	4.59E+00	U
TM	15	330434001	7/24/2013	Mn-54	-7.17E-01	1.07E+00	3.40E+00	U
TM	15	330434001	7/24/2013	Nb-95	1.10E+00	1.09E+00	3.30E+00	U
TM	15	330434001	7/24/2013	Ru-103	-1.04E+00	1.10E+00	3.35E+00	U
TM	15	330434001	7/24/2013	Ru-106	9.79E-01	1.12E+01	3.16E+01	U
TM	15	330434001	7/24/2013	Sb-124	-1.81E+00	2.19E+00	6.50E+00	U
TM	15	330434001	7/24/2013	Sb-125	-2.94E+00	2.96E+00	9.14E+00	U
TM	15	330434001	7/24/2013	Se-75	1.06E+00	1.37E+00	4.38E+00	U
TM	15	330434001	7/24/2013	Th-228	0.00E+00	2.93E+00	7.29E+00	U
TM	15	330434001	7/24/2013	Zn-65	3.40E-01	2.67E+00	8.71E+00	U
TM	15	330434001	7/24/2013	Zr-95	2.19E-01	3.12E+00	6.15E+00	U
TM	15	331286001	8/7/2013	Ac-228	2.98E+00	4.54E+00	8.95E+00	U
TM	15	331286001	8/7/2013	Ag-108m	-4.75E-01	5.57E-01	1.77E+00	U
TM	15	331286001	8/7/2013	Ag-110m	3.31E-01	6.73E-01	1.97E+00	U
TM	15	331286001	8/7/2013	Ba-140	1.17E+00	8.73E-01	2.87E+00	U
TM	15	331286001	8/7/2013	Be-7	-1.58E+00	5.11E+00	1.66E+01	U
TM	15	331286001	8/7/2013	Ce-141	1.07E+00	1.16E+00	3.51E+00	U
TM	15	331286001	8/7/2013	Ce-144	1.05E+01	4.31E+00	1.34E+01	U
TM	15	331286001	8/7/2013	Co-57	8.58E-01	5.53E-01	1.74E+00	U
TM	15	331286001	8/7/2013	Co-58	-1.42E+00	7.21E-01	2.02E+00	U

Seabrook REMP Summary of 2013 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TM	15	331286001	8/7/2013	Co-60	-2.08E-01	6.52E-01	2.14E+00	U
TM	15	331286001	8/7/2013	Cr-51	-5.74E+00	5.64E+00	1.81E+01	U
TM	15	331286001	8/7/2013	Cs-134	-8.69E-01	7.32E-01	2.27E+00	U
TM	15	331286001	8/7/2013	Cs-137	2.17E+00	8.14E-01	2.19E+00	U
TM	15	331286001	8/7/2013	Fe-59	-2.05E+00	1.58E+00	4.71E+00	U
TM	15	331286001	8/7/2013	I-131	1.42E-03	1.17E-01	3.77E-01	U
TM	15	331286001	8/7/2013	K-40	1.67E+03	8.56E+01	1.82E+01	
TM	15	331286001	8/7/2013	La-140	1.17E+00	8.73E-01	2.87E+00	U
TM	15	331286001	8/7/2013	Mn-54	1.27E-02	6.09E-01	2.02E+00	U
TM	15	331286001	8/7/2013	Nb-95	7.98E-01	7.06E-01	2.01E+00	U
TM	15	331286001	8/7/2013	Ru-103	2.46E-01	7.47E-01	2.12E+00	U
TM	15	331286001	8/7/2013	Ru-106	-4.22E+00	5.76E+00	1.80E+01	U
TM	15	331286001	8/7/2013	Sb-124	-5.24E-01	1.20E+00	3.81E+00	U
TM	15	331286001	8/7/2013	Sb-125	-1.73E+00	1.69E+00	5.30E+00	U
TM	15	331286001	8/7/2013	Se-75	1.56E+00	9.09E-01	2.74E+00	U
TM	15	331286001	8/7/2013	Th-228	6.17E-01	1.82E+00	3.59E+00	U
TM	15	331286001	8/7/2013	Zn-65	-2.33E+00	1.93E+00	5.17E+00	U
TM	15	331286001	8/7/2013	Zr-95	1.50E+00	1.27E+00	3.64E+00	U
TM	15	332177001	8/21/2013	Ac-228	-4.15E+00	4.35E+00	1.07E+01	U
TM	15	332177001	8/21/2013	Ag-108m	-2.48E-01	6.55E-01	2.09E+00	U
TM	15	332177001	8/21/2013	Ag-110m	7.45E-01	8.00E-01	2.30E+00	U
TM	15	332177001	8/21/2013	Ba-140	-7.55E-01	1.01E+00	3.17E+00	U
TM	15	332177001	8/21/2013	Be-7	-5.97E+00	6.45E+00	1.98E+01	U
TM	15	332177001	8/21/2013	Ce-141	-1.16E+00	1.81E+00	3.80E+00	U
TM	15	332177001	8/21/2013	Ce-144	1.72E+00	4.51E+00	1.47E+01	U
TM	15	332177001	8/21/2013	Co-57	-4.09E-01	5.88E-01	1.89E+00	U
TM	15	332177001	8/21/2013	Co-58	4.51E-01	7.68E-01	2.50E+00	U
TM	15	332177001	8/21/2013	Co-60	-3.21E+00	1.37E+00	2.69E+00	U
TM	15	332177001	8/21/2013	Cr-51	2.83E+00	6.25E+00	2.07E+01	U
TM	15	332177001	8/21/2013	Cs-134	3.61E-01	8.07E-01	2.64E+00	U
TM	15	332177001	8/21/2013	Cs-137	2.85E+00	1.38E+00	2.55E+00	M
TM	15	332177001	8/21/2013	Fe-59	3.88E+00	2.02E+00	6.19E+00	U
TM	15	332177001	8/21/2013	I-131	-1.43E-02	1.33E-01	4.45E-01	U
TM	15	332177001	8/21/2013	K-40	1.74E+03	8.64E+01	2.16E+01	
TM	15	332177001	8/21/2013	La-140	-7.55E-01	1.01E+00	3.17E+00	U
TM	15	332177001	8/21/2013	Mn-54	-6.90E-02	7.33E-01	2.36E+00	U
TM	15	332177001	8/21/2013	Nb-95	2.32E+00	9.05E-01	2.54E+00	U
TM	15	332177001	8/21/2013	Ru-103	-1.17E+00	8.79E-01	2.36E+00	U
TM	15	332177001	8/21/2013	Ru-106	-3.95E+00	6.34E+00	2.05E+01	U
TM	15	332177001	8/21/2013	Sb-124	2.06E-01	1.43E+00	4.73E+00	U
TM	15	332177001	8/21/2013	Sb-125	-1.72E+00	1.94E+00	6.01E+00	U
TM	15	332177001	8/21/2013	Se-75	1.96E+00	1.06E+00	3.20E+00	U
TM	15	332177001	8/21/2013	Th-228	3.20E+00	2.31E+00	4.52E+00	U
TM	15	332177001	8/21/2013	Zn-65	-4.33E+00	2.13E+00	5.78E+00	U
TM	15	332177001	8/21/2013	Zr-95	1.06E+00	1.30E+00	4.24E+00	U
TM	15	332963001	9/4/2013	Ac-228	2.26E-02	4.31E+00	9.33E+00	U
TM	15	332963001	9/4/2013	Ag-108m	1.81E-01	5.32E-01	1.79E+00	U
TM	15	332963001	9/4/2013	Ag-110m	1.55E-01	7.09E-01	2.01E+00	U
TM	15	332963001	9/4/2013	Ba-140	1.16E+00	2.06E+00	6.90E+00	U
TM	15	332963001	9/4/2013	Be-7	1.09E+00	6.05E+00	2.02E+01	U
TM	15	332963001	9/4/2013	Ce-141	-4.29E+00	2.23E+00	4.82E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TM	15	332963001	9/4/2013	Ce-144	-5.02E-01	4.13E+00	1.39E+01	U
TM	15	332963001	9/4/2013	Co-57	1.13E+00	5.88E-01	1.82E+00	U
TM	15	332963001	9/4/2013	Co-58	4.69E-01	6.95E-01	2.34E+00	U
TM	15	332963001	9/4/2013	Co-60	-2.06E-02	7.03E-01	2.27E+00	U
TM	15	332963001	9/4/2013	Cr-51	-1.79E+00	9.51E+00	2.67E+01	U
TM	15	332963001	9/4/2013	Cs-134	5.30E-01	7.83E-01	2.30E+00	U
TM	15	332963001	9/4/2013	Cs-137	6.90E+00	1.12E+00	2.05E+00	M
TM	15	332963001	9/4/2013	Fe-59	2.23E-01	1.96E+00	6.44E+00	U
TM	15	332963001	9/4/2013	I-131	1.68E-01	1.30E-01	4.18E-01	U
TM	15	332963001	9/4/2013	K-40	1.72E+03	8.28E+01	1.80E+01	
TM	15	332963001	9/4/2013	La-140	1.16E+00	2.06E+00	6.90E+00	U
TM	15	332963001	9/4/2013	Mn-54	-1.05E+00	7.89E-01	2.07E+00	U
TM	15	332963001	9/4/2013	Nb-95	5.09E-02	7.78E-01	2.51E+00	U
TM	15	332963001	9/4/2013	Ru-103	8.07E-01	9.22E-01	2.67E+00	U
TM	15	332963001	9/4/2013	Ru-106	-1.99E+00	5.65E+00	1.83E+01	U
TM	15	332963001	9/4/2013	Sb-124	-2.65E-01	1.54E+00	5.04E+00	U
TM	15	332963001	9/4/2013	Sb-125	9.57E-01	1.60E+00	5.36E+00	U
TM	15	332963001	9/4/2013	Se-75	-1.26E-01	8.68E-01	2.83E+00	U
TM	15	332963001	9/4/2013	Th-228	1.57E+00	2.37E+00	4.72E+00	U
TM	15	332963001	9/4/2013	Zn-65	2.08E-01	1.86E+00	5.24E+00	U
TM	15	332963001	9/4/2013	Zr-95	8.10E-01	1.37E+00	4.45E+00	U
TM	15	333831001	9/18/2013	Ac-228	-3.95E+00	2.07E+00	4.22E+00	U
TM	15	333831001	9/18/2013	Ag-108m	8.76E-02	2.87E-01	8.21E-01	U
TM	15	333831001	9/18/2013	Ag-110m	-2.11E-01	3.06E-01	8.62E-01	U
TM	15	333831001	9/18/2013	Ba-140	-1.31E+00	6.45E-01	1.66E+00	U
TM	15	333831001	9/18/2013	Be-7	3.08E+00	3.04E+00	8.60E+00	U
TM	15	333831001	9/18/2013	Ce-141	4.55E-01	8.42E-01	1.67E+00	U
TM	15	333831001	9/18/2013	Ce-144	8.19E-01	1.97E+00	5.63E+00	U
TM	15	333831001	9/18/2013	Co-57	-2.23E-01	2.35E-01	7.29E-01	U
TM	15	333831001	9/18/2013	Co-58	-5.78E-01	3.38E-01	9.75E-01	U
TM	15	333831001	9/18/2013	Co-60	1.77E-01	3.51E-01	1.18E+00	U
TM	15	333831001	9/18/2013	Cr-51	2.79E+00	3.09E+00	1.01E+01	U
TM	15	333831001	9/18/2013	Cs-134	-7.28E-01	5.38E-01	9.80E-01	U
TM	15	333831001	9/18/2013	Cs-137	1.24E+01	8.02E-01	9.39E-01	M
TM	15	333831001	9/18/2013	Fe-59	-7.26E-01	8.47E-01	2.62E+00	U
TM	15	333831001	9/18/2013	I-131	2.06E-01	1.97E-01	6.57E-01	U
TM	15	333831001	9/18/2013	K-40	1.09E+03	5.08E+01	8.76E+00	
TM	15	333831001	9/18/2013	La-140	-1.31E+00	6.45E-01	1.66E+00	U
TM	15	333831001	9/18/2013	Mn-54	1.09E-01	2.86E-01	9.49E-01	U
TM	15	333831001	9/18/2013	Nb-95	1.62E-01	3.12E-01	1.04E+00	U
TM	15	333831001	9/18/2013	Ru-103	1.26E-01	3.72E-01	1.06E+00	U
TM	15	333831001	9/18/2013	Ru-106	3.98E+00	2.58E+00	8.35E+00	U
TM	15	333831001	9/18/2013	Sb-124	-5.87E-01	7.00E-01	2.16E+00	U
TM	15	333831001	9/18/2013	Sb-125	-8.02E-01	7.88E-01	2.45E+00	U
TM	15	333831001	9/18/2013	Se-75	3.56E-01	3.78E-01	1.25E+00	U
TM	15	333831001	9/18/2013	Th-228	-5.37E-01	8.55E-01	1.83E+00	U
TM	15	333831001	9/18/2013	Zn-65	-2.19E-01	7.92E-01	2.54E+00	U
TM	15	333831001	9/18/2013	Zr-95	1.23E-01	5.63E-01	1.88E+00	U
TM	15	335883001	10/16/2013	Ac-228	-6.67E+00	5.23E+00	1.33E+01	U
TM	15	335883001	10/16/2013	Ag-108m	7.05E-01	9.96E-01	2.48E+00	U
TM	15	335883001	10/16/2013	Ag-110m	-9.31E-01	9.75E-01	2.61E+00	U

Seabrook REMP Summary of 2013 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TM	15	335883001	10/16/2013	Ba-140	-1.22E+00	1.20E+00	3.63E+00	U
TM	15	335883001	10/16/2013	Be-7	-4.82E+00	7.41E+00	2.31E+01	U
TM	15	335883001	10/16/2013	Ce-141	2.32E+00	1.62E+00	4.56E+00	U
TM	15	335883001	10/16/2013	Ce-144	1.46E+00	5.41E+00	1.77E+01	U
TM	15	335883001	10/16/2013	Co-57	7.53E-01	7.25E-01	2.35E+00	U
TM	15	335883001	10/16/2013	Co-58	-3.40E-01	8.90E-01	2.84E+00	U
TM	15	335883001	10/16/2013	Co-60	-2.95E-01	1.07E+00	3.41E+00	U
TM	15	335883001	10/16/2013	Cr-51	-2.81E+00	7.50E+00	2.45E+01	U
TM	15	335883001	10/16/2013	Cs-134	5.56E-01	1.12E+00	3.18E+00	U
TM	15	335883001	10/16/2013	Cs-137	4.17E+00	2.08E+00	2.99E+00	M
TM	15	335883001	10/16/2013	Fe-59	-1.41E+00	1.99E+00	6.32E+00	U
TM	15	335883001	10/16/2013	I-131	7.73E-02	1.93E-01	6.55E-01	U
TM	15	335883001	10/16/2013	K-40	1.77E+03	9.04E+01	2.50E+01	
TM	15	335883001	10/16/2013	La-140	-1.22E+00	1.20E+00	3.63E+00	U
TM	15	335883001	10/16/2013	Mn-54	2.24E-01	1.08E+00	3.03E+00	U
TM	15	335883001	10/16/2013	Nb-95	2.01E+00	1.05E+00	3.24E+00	U
TM	15	335883001	10/16/2013	Ru-103	1.91E-01	8.56E-01	2.90E+00	U
TM	15	335883001	10/16/2013	Ru-106	-5.70E+00	7.83E+00	2.51E+01	U
TM	15	335883001	10/16/2013	Sb-124	1.38E+00	1.90E+00	6.42E+00	U
TM	15	335883001	10/16/2013	Sb-125	2.30E+00	2.46E+00	7.93E+00	U
TM	15	335883001	10/16/2013	Se-75	-3.62E-01	1.09E+00	3.63E+00	U
TM	15	335883001	10/16/2013	Th-228	1.71E+00	2.22E+00	5.42E+00	U
TM	15	335883001	10/16/2013	Zn-65	-3.34E+00	2.39E+00	7.09E+00	U
TM	15	335883001	10/16/2013	Zr-95	1.09E+00	1.57E+00	5.15E+00	U
TM	15	337655001	11/13/2013	Ac-228	-6.92E-01	6.17E+00	2.12E+01	U
TM	15	337655001	11/13/2013	Ag-108m	-8.58E-01	1.40E+00	4.37E+00	U
TM	15	337655001	11/13/2013	Ag-110m	-1.18E+00	1.53E+00	4.06E+00	U
TM	15	337655001	11/13/2013	Ba-140	9.06E-01	2.00E+00	6.82E+00	U
TM	15	337655001	11/13/2013	Be-7	-1.86E+00	1.23E+01	3.94E+01	U
TM	15	337655001	11/13/2013	Ce-141	4.93E+00	3.46E+00	7.06E+00	U
TM	15	337655001	11/13/2013	Ce-144	1.62E+01	1.02E+01	3.24E+01	U
TM	15	337655001	11/13/2013	Co-57	-2.46E-01	1.27E+00	4.07E+00	U
TM	15	337655001	11/13/2013	Co-58	7.27E-02	1.50E+00	4.97E+00	U
TM	15	337655001	11/13/2013	Co-60	2.60E-01	1.60E+00	5.39E+00	U
TM	15	337655001	11/13/2013	Cr-51	-1.35E+01	1.30E+01	3.96E+01	U
TM	15	337655001	11/13/2013	Cs-134	-3.34E+00	1.95E+00	5.18E+00	U
TM	15	337655001	11/13/2013	Cs-137	5.02E+00	2.67E+00	4.21E+00	M
TM	15	337655001	11/13/2013	Fe-59	8.95E+00	3.21E+00	1.08E+01	U
TM	15	337655001	11/13/2013	I-131	-1.39E-01	1.64E-01	5.20E-01	U
TM	15	337655001	11/13/2013	K-40	1.52E+03	1.04E+02	5.49E+01	
TM	15	337655001	11/13/2013	La-140	9.06E-01	2.00E+00	6.82E+00	U
TM	15	337655001	11/13/2013	Mn-54	-7.46E-03	1.55E+00	5.10E+00	U
TM	15	337655001	11/13/2013	Nb-95	3.51E-01	1.52E+00	5.09E+00	U
TM	15	337655001	11/13/2013	Ru-103	-1.67E+00	1.90E+00	5.31E+00	U
TM	15	337655001	11/13/2013	Ru-106	3.67E+00	1.29E+01	4.38E+01	U
TM	15	337655001	11/13/2013	Sb-124	-1.00E+01	4.34E+00	7.77E+00	U
TM	15	337655001	11/13/2013	Sb-125	-5.92E+00	4.41E+00	1.26E+01	U
TM	15	337655001	11/13/2013	Se-75	2.85E-01	1.94E+00	6.53E+00	U
TM	15	337655001	11/13/2013	Th-228	1.02E+00	4.73E+00	1.02E+01	U
TM	15	337655001	11/13/2013	Zn-65	2.61E+00	3.71E+00	1.21E+01	U
TM	15	337655001	11/13/2013	Zr-95	2.16E+00	2.64E+00	9.03E+00	U

Seabrook REMP Summary of 2013 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TM	15	339376001	12/11/2013	Ac-228	2.25E+00	6.37E+00	2.16E+01	U
TM	15	339376001	12/11/2013	Ag-108m	-1.15E+00	1.22E+00	3.63E+00	U
TM	15	339376001	12/11/2013	Ag-110m	3.26E-02	1.86E+00	5.47E+00	U
TM	15	339376001	12/11/2013	Ba-140	1.95E+00	2.82E+00	9.90E+00	U
TM	15	339376001	12/11/2013	Be-7	4.33E+00	1.50E+01	4.94E+01	U
TM	15	339376001	12/11/2013	Ce-141	4.03E+00	2.93E+00	9.47E+00	U
TM	15	339376001	12/11/2013	Ce-144	1.79E+01	1.16E+01	3.73E+01	U
TM	15	339376001	12/11/2013	Co-57	-2.67E+00	1.54E+00	4.22E+00	U
TM	15	339376001	12/11/2013	Co-58	-4.83E-01	1.73E+00	5.61E+00	U
TM	15	339376001	12/11/2013	Co-60	7.23E-01	1.77E+00	6.13E+00	U
TM	15	339376001	12/11/2013	Cr-51	3.13E+00	1.52E+01	5.12E+01	U
TM	15	339376001	12/11/2013	Cs-134	-2.20E-01	1.75E+00	5.77E+00	U
TM	15	339376001	12/11/2013	Cs-137	6.70E+00	2.44E+00	6.55E+00	M
TM	15	339376001	12/11/2013	Fe-59	6.37E+00	4.79E+00	1.61E+01	U
TM	15	339376001	12/11/2013	I-131	1.16E-01	1.22E-01	4.00E-01	U
TM	15	339376001	12/11/2013	K-40	1.70E+03	1.11E+02	3.09E+01	
TM	15	339376001	12/11/2013	La-140	1.95E+00	2.82E+00	9.90E+00	U
TM	15	339376001	12/11/2013	Mn-54	-1.13E+00	1.68E+00	5.23E+00	U
TM	15	339376001	12/11/2013	Nb-95	1.24E+00	1.68E+00	5.81E+00	U
TM	15	339376001	12/11/2013	Ru-103	-4.23E-01	1.64E+00	5.24E+00	U
TM	15	339376001	12/11/2013	Ru-106	-1.68E+01	1.46E+01	4.06E+01	U
TM	15	339376001	12/11/2013	Sb-124	1.04E+00	3.85E+00	1.31E+01	U
TM	15	339376001	12/11/2013	Sb-125	1.32E+00	4.32E+00	1.44E+01	U
TM	15	339376001	12/11/2013	Se-75	6.59E+00	3.46E+00	7.57E+00	U
TM	15	339376001	12/11/2013	Th-228	6.96E+00	4.38E+00	9.40E+00	U
TM	15	339376001	12/11/2013	Zn-65	6.40E+00	4.38E+00	1.49E+01	U
TM	15	339376001	12/11/2013	Zr-95	-1.11E+01	4.07E+00	7.44E+00	U

Seabrook REMP Summary of 2013 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
WG	01	322489001	3/21/2013	Ac-228	6.48E+00	2.89E+00	7.80E+00	U
WG	01	322489001	3/21/2013	Ag-108m	-6.22E-01	5.48E-01	1.65E+00	U
WG	01	322489001	3/21/2013	Ag-110m	-7.77E-01	5.37E-01	1.59E+00	U
WG	01	322489001	3/21/2013	Ba-140	-4.88E-01	8.55E-01	2.75E+00	U
WG	01	322489001	3/21/2013	Be-7	7.56E-01	4.65E+00	1.57E+01	U
WG	01	322489001	3/21/2013	BETA	3.40E+00	1.29E+00	3.63E+00	U
WG	01	322489001	3/21/2013	Bi-214	1.77E+01	2.16E+00	3.62E+00	X(1)
WG	01	322489001	3/21/2013	Ce-141	-3.55E-01	9.94E-01	3.13E+00	U
WG	01	322489001	3/21/2013	Ce-144	-8.81E-02	3.90E+00	1.25E+01	U
WG	01	322489001	3/21/2013	Co-57	-3.74E-02	4.88E-01	1.56E+00	U
WG	01	322489001	3/21/2013	Co-58	-2.26E-01	5.27E-01	1.67E+00	U
WG	01	322489001	3/21/2013	Co-60	2.03E-01	5.94E-01	1.95E+00	U
WG	01	322489001	3/21/2013	Cr-51	4.66E+00	5.22E+00	1.69E+01	U
WG	01	322489001	3/21/2013	Cs-134	-4.25E-02	5.58E-01	1.80E+00	U
WG	01	322489001	3/21/2013	Cs-137	6.46E-01	5.77E-01	1.88E+00	U
WG	01	322489001	3/21/2013	Fe-59	7.69E-01	1.05E+00	3.49E+00	U
WG	01	322489001	3/21/2013	H-3	1.62E+01	1.38E+02	4.51E+02	U
WG	01	322489001	3/21/2013	I-131	-6.92E-01	9.00E-01	2.82E+00	U
WG	01	322489001	3/21/2013	K-40	1.66E+01	7.61E+00	2.36E+01	U
WG	01	322489001	3/21/2013	La-140	-4.88E-01	8.55E-01	2.75E+00	U
WG	01	322489001	3/21/2013	Mn-54	-1.51E+00	6.49E-01	1.60E+00	U
WG	01	322489001	3/21/2013	Nb-95	5.56E-01	5.74E-01	1.86E+00	U
WG	01	322489001	3/21/2013	Pb-212	0.00E+00	1.25E+00	3.45E+00	U
WG	01	322489001	3/21/2013	Pb-214	2.13E+01	2.62E+00	4.19E+00	X(1)
WG	01	322489001	3/21/2013	Ru-103	-6.95E-01	6.00E-01	1.89E+00	U
WG	01	322489001	3/21/2013	Ru-106	3.93E+00	4.78E+00	1.58E+01	U
WG	01	322489001	3/21/2013	Sb-124	-4.09E-01	1.34E+00	4.37E+00	U
WG	01	322489001	3/21/2013	Sb-125	1.17E+00	1.56E+00	5.00E+00	U
WG	01	322489001	3/21/2013	Se-75	-5.38E-01	7.55E-01	2.43E+00	U
WG	01	322489001	3/21/2013	Th-228	0.00E+00	1.25E+00	3.45E+00	U
WG	01	322489001	3/21/2013	Zn-65	3.39E+00	1.40E+00	3.74E+00	U
WG	01	322489001	3/21/2013	Zr-95	-2.02E+00	1.01E+00	2.70E+00	U
WG	01	328691001	6/25/2013	Ac-228	-1.24E+01	4.47E+00	7.16E+00	U
WG	01	328691001	6/25/2013	Ag-108m	-4.95E-01	5.85E-01	1.60E+00	U
WG	01	328691001	6/25/2013	Ag-110m	2.43E-01	4.98E-01	1.70E+00	U
WG	01	328691001	6/25/2013	Ba-140	-3.03E+00	2.12E+00	6.00E+00	U
WG	01	328691001	6/25/2013	Be-7	-1.72E+00	5.94E+00	1.92E+01	U
WG	01	328691001	6/25/2013	BETA	1.37E+00	8.39E-01	2.25E+00	U
WG	01	328691001	6/25/2013	Bi-214	1.79E+00	2.30E+00	3.64E+00	U
WG	01	328691001	6/25/2013	Ce-141	2.13E+00	1.15E+00	3.99E+00	U
WG	01	328691001	6/25/2013	Ce-144	1.82E+00	3.70E+00	1.21E+01	U
WG	01	328691001	6/25/2013	Co-57	-5.42E-01	5.10E-01	1.58E+00	U
WG	01	328691001	6/25/2013	Co-58	6.67E-01	6.27E-01	2.10E+00	U
WG	01	328691001	6/25/2013	Co-60	7.49E-01	7.06E-01	2.12E+00	U
WG	01	328691001	6/25/2013	Cr-51	-1.44E+01	8.57E+00	2.31E+01	U
WG	01	328691001	6/25/2013	Cs-134	5.91E-01	5.75E-01	1.93E+00	U
WG	01	328691001	6/25/2013	Cs-137	-3.85E-01	5.24E-01	1.70E+00	U
WG	01	328691001	6/25/2013	Fe-59	3.16E+00	1.62E+00	5.12E+00	U
WG	01	328691001	6/25/2013	H-3	-1.53E+02	1.21E+02	4.13E+02	U
WG	01	328691001	6/25/2013	I-131	-6.17E+00	3.76E+00	1.10E+01	U
WG	01	328691001	6/25/2013	K-40	-1.55E+01	1.20E+01	2.49E+01	U

Seabrook REMP Summary of 2013 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
WG	01	328691001	6/25/2013	La-140	-3.03E+00	2.12E+00	6.00E+00	U
WG	01	328691001	6/25/2013	Mn-54	9.25E-01	6.03E-01	1.71E+00	U
WG	01	328691001	6/25/2013	Nb-95	9.27E-03	6.33E-01	2.12E+00	U
WG	01	328691001	6/25/2013	Pb-212	2.19E+00	2.12E+00	3.32E+00	U
WG	01	328691001	6/25/2013	Pb-214	4.53E+00	2.25E+00	3.82E+00	X(1)
WG	01	328691001	6/25/2013	Ru-103	-5.90E-01	7.76E-01	2.43E+00	U
WG	01	328691001	6/25/2013	Ru-106	-1.27E+00	4.80E+00	1.52E+01	U
WG	01	328691001	6/25/2013	Sb-124	2.67E+00	1.85E+00	4.81E+00	U
WG	01	328691001	6/25/2013	Sb-125	3.32E+00	1.80E+00	4.85E+00	U
WG	01	328691001	6/25/2013	Se-75	-7.71E-01	8.89E-01	2.53E+00	U
WG	01	328691001	6/25/2013	Th-228	2.19E+00	2.12E+00	3.32E+00	U
WG	01	328691001	6/25/2013	Zn-65	-5.65E-01	1.39E+00	3.78E+00	U
WG	01	328691001	6/25/2013	Zr-95	5.37E-01	1.16E+00	3.91E+00	U
WG	01	333719001	9/17/2013	Ac-228	-4.59E+00	3.64E+00	7.14E+00	U
WG	01	333719001	9/17/2013	Ag-108m	-1.71E+00	9.00E-01	1.36E+00	U
WG	01	333719001	9/17/2013	Ag-110m	-3.75E-01	4.36E-01	1.36E+00	U
WG	01	333719001	9/17/2013	Ba-140	1.14E+00	7.93E-01	2.63E+00	U
WG	01	333719001	9/17/2013	Be-7	1.40E-01	4.03E+00	1.31E+01	U
WG	01	333719001	9/17/2013	BETA	3.47E-01	1.13E+00	3.65E+00	U
WG	01	333719001	9/17/2013	Bi-214	1.81E+01	2.67E+00	3.00E+00	X(1)
WG	01	333719001	9/17/2013	Ce-141	2.10E+00	1.07E+00	2.87E+00	U
WG	01	333719001	9/17/2013	Ce-144	1.79E+00	3.25E+00	1.06E+01	U
WG	01	333719001	9/17/2013	Co-57	-6.41E-01	4.40E-01	1.31E+00	U
WG	01	333719001	9/17/2013	Co-58	5.16E-01	5.20E-01	1.53E+00	U
WG	01	333719001	9/17/2013	Co-60	-4.85E-01	5.14E-01	1.61E+00	U
WG	01	333719001	9/17/2013	Cr-51	-7.01E-02	4.57E+00	1.53E+01	U
WG	01	333719001	9/17/2013	Cs-134	-5.13E-01	5.56E-01	1.65E+00	U
WG	01	333719001	9/17/2013	Cs-137	-7.55E-02	4.67E-01	1.57E+00	U
WG	01	333719001	9/17/2013	Fe-59	-7.43E-01	1.04E+00	3.24E+00	U
WG	01	333719001	9/17/2013	H-3	3.15E+02	1.82E+02	5.42E+02	U
WG	01	333719001	9/17/2013	I-131	-3.34E-01	7.24E-01	2.36E+00	U
WG	01	333719001	9/17/2013	K-40	3.02E+01	1.31E+01	1.55E+01	
WG	01	333719001	9/17/2013	La-140	1.14E+00	7.93E-01	2.63E+00	U
WG	01	333719001	9/17/2013	Mn-54	-2.54E-01	4.66E-01	1.51E+00	U
WG	01	333719001	9/17/2013	Nb-95	-4.77E-03	5.57E-01	1.61E+00	U
WG	01	333719001	9/17/2013	Pb-212	2.26E+00	1.86E+00	2.82E+00	U
WG	01	333719001	9/17/2013	Pb-214	0.00E+00	2.67E+00	5.91E+00	U
WG	01	333719001	9/17/2013	Ru-103	-1.08E+00	5.79E-01	1.61E+00	U
WG	01	333719001	9/17/2013	Ru-106	-2.63E+00	4.50E+00	1.40E+01	U
WG	01	333719001	9/17/2013	Sb-124	-3.85E-01	1.19E+00	3.85E+00	U
WG	01	333719001	9/17/2013	Sb-125	3.66E-01	1.29E+00	4.26E+00	U
WG	01	333719001	9/17/2013	Se-75	5.83E-01	6.60E-01	2.21E+00	U
WG	01	333719001	9/17/2013	Th-228	2.26E+00	1.86E+00	2.82E+00	U
WG	01	333719001	9/17/2013	Zn-65	-1.48E-01	1.22E+00	3.39E+00	U
WG	01	333719001	9/17/2013	Zr-95	1.07E+00	8.43E-01	2.79E+00	U
WG	01	339392001	12/10/2013	Ac-228	1.09E+00	4.14E+00	1.26E+01	U
WG	01	339392001	12/10/2013	Ag-108m	9.65E-01	8.03E-01	2.69E+00	U
WG	01	339392001	12/10/2013	Ag-110m	9.00E-01	7.40E-01	2.48E+00	U
WG	01	339392001	12/10/2013	Ba-140	1.32E-01	1.93E+00	5.50E+00	U
WG	01	339392001	12/10/2013	Be-7	-1.02E+01	9.18E+00	2.36E+01	U
WG	01	339392001	12/10/2013	BETA	2.66E+00	4.86E-01	1.15E+00	M

Seabrook REMP Summary of 2013 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
WG	01	339392001	12/10/2013	Bi-214	1.13E+01	4.42E+00	4.95E+00	X(1)
WG	01	339392001	12/10/2013	Ce-141	3.58E+00	1.91E+00	5.46E+00	U
WG	01	339392001	12/10/2013	Ce-144	6.71E-01	6.01E+00	2.00E+01	U
WG	01	339392001	12/10/2013	Co-57	-1.55E+00	8.37E-01	2.36E+00	U
WG	01	339392001	12/10/2013	Co-58	-6.69E-01	8.58E-01	2.68E+00	U
WG	01	339392001	12/10/2013	Co-60	-5.12E-01	8.63E-01	2.72E+00	U
WG	01	339392001	12/10/2013	Cr-51	8.76E+00	9.18E+00	3.04E+01	U
WG	01	339392001	12/10/2013	Cs-134	3.70E-01	8.58E-01	2.93E+00	U
WG	01	339392001	12/10/2013	Cs-137	-1.23E+00	8.75E-01	2.37E+00	U
WG	01	339392001	12/10/2013	Fe-59	1.23E-02	2.03E+00	6.60E+00	U
WG	01	339392001	12/10/2013	H-3	-3.12E+01	1.73E+02	5.73E+02	U
WG	01	339392001	12/10/2013	I-131	-1.20E+00	1.80E+00	5.80E+00	U
WG	01	339392001	12/10/2013	K-40	0.00E+00	1.09E+01	0.00E+00	UI
WG	01	339392001	12/10/2013	La-140	1.32E-01	1.93E+00	5.50E+00	U
WG	01	339392001	12/10/2013	Mn-54	-7.17E-01	8.37E-01	2.58E+00	U
WG	01	339392001	12/10/2013	Nb-95	2.70E-01	9.47E-01	3.21E+00	U
WG	01	339392001	12/10/2013	Pb-212	6.53E-01	1.74E+00	5.88E+00	U
WG	01	339392001	12/10/2013	Pb-214	0.00E+00	4.86E+00	9.56E+00	U
WG	01	339392001	12/10/2013	Ru-103	-1.48E+00	1.06E+00	3.04E+00	U
WG	01	339392001	12/10/2013	Ru-106	1.16E+01	8.08E+00	2.67E+01	U
WG	01	339392001	12/10/2013	Sb-124	-4.83E+00	2.69E+00	6.50E+00	U
WG	01	339392001	12/10/2013	Sb-125	1.54E-01	2.17E+00	7.23E+00	U
WG	01	339392001	12/10/2013	Se-75	4.88E-01	1.24E+00	4.00E+00	U
WG	01	339392001	12/10/2013	Th-228	6.53E-01	1.74E+00	5.88E+00	U
WG	01	339392001	12/10/2013	Zn-65	2.90E+00	2.35E+00	7.08E+00	U
WG	01	339392001	12/10/2013	Zr-95	-2.49E+00	1.52E+00	4.17E+00	U
WG	13	322489002	3/21/2013	Ac-228	-3.06E+00	3.47E+00	7.15E+00	U
WG	13	322489002	3/21/2013	Ag-108m	-3.22E-01	4.47E-01	1.47E+00	U
WG	13	322489002	3/21/2013	Ag-110m	-7.70E-01	4.92E-01	1.44E+00	U
WG	13	322489002	3/21/2013	Ba-140	-1.37E+00	1.64E+00	2.50E+00	U
WG	13	322489002	3/21/2013	Be-7	9.70E+00	5.30E+00	1.47E+01	U
WG	13	322489002	3/21/2013	BETA	2.41E+00	1.20E+00	3.48E+00	U
WG	13	322489002	3/21/2013	Bi-214	5.12E+01	3.61E+00	3.12E+00	X(1)
WG	13	322489002	3/21/2013	Ce-141	1.39E+00	1.03E+00	2.97E+00	U
WG	13	322489002	3/21/2013	Ce-144	-4.16E-01	3.37E+00	1.14E+01	U
WG	13	322489002	3/21/2013	Co-57	-1.58E-01	4.48E-01	1.41E+00	U
WG	13	322489002	3/21/2013	Co-58	-5.41E-02	5.08E-01	1.64E+00	U
WG	13	322489002	3/21/2013	Co-60	-9.21E-01	5.69E-01	1.60E+00	U
WG	13	322489002	3/21/2013	Cr-51	5.13E-01	4.71E+00	1.53E+01	U
WG	13	322489002	3/21/2013	Cs-134	1.99E-01	5.52E-01	1.75E+00	U
WG	13	322489002	3/21/2013	Cs-137	-4.62E-01	5.25E-01	1.65E+00	U
WG	13	322489002	3/21/2013	Fe-59	6.42E-01	9.69E-01	3.22E+00	U
WG	13	322489002	3/21/2013	H-3	3.02E+02	1.61E+02	4.59E+02	U
WG	13	322489002	3/21/2013	I-131	1.05E+00	8.70E-01	2.75E+00	U
WG	13	322489002	3/21/2013	K-40	-3.85E+00	1.21E+01	2.21E+01	U
WG	13	322489002	3/21/2013	La-140	-1.37E+00	1.64E+00	2.50E+00	U
WG	13	322489002	3/21/2013	Mn-54	4.54E-01	5.09E-01	1.64E+00	U
WG	13	322489002	3/21/2013	Nb-95	1.68E+00	7.25E-01	1.86E+00	U
WG	13	322489002	3/21/2013	Pb-212	1.90E+00	1.56E+00	3.58E+00	U
WG	13	322489002	3/21/2013	Pb-214	5.25E+01	3.60E+00	3.92E+00	X(1)
WG	13	322489002	3/21/2013	Ru-103	5.14E-02	5.12E-01	1.71E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
WG	13	322489002	3/21/2013	Ru-106	5.68E-01	4.27E+00	1.41E+01	U
WG	13	322489002	3/21/2013	Sb-124	-2.83E-01	1.08E+00	3.55E+00	U
WG	13	322489002	3/21/2013	Sb-125	-4.26E-01	1.34E+00	4.49E+00	U
WG	13	322489002	3/21/2013	Se-75	3.71E-01	7.08E-01	2.25E+00	U
WG	13	322489002	3/21/2013	Th-228	1.90E+00	1.56E+00	3.58E+00	U
WG	13	322489002	3/21/2013	Zn-65	2.05E+00	1.33E+00	3.75E+00	U
WG	13	322489002	3/21/2013	Zr-95	-1.01E+00	8.95E-01	2.71E+00	U
WG	13	328691002	6/25/2013	Ac-228	1.34E+00	3.67E+00	9.54E+00	U
WG	13	328691002	6/25/2013	Ag-108m	4.63E-01	5.77E-01	1.86E+00	U
WG	13	328691002	6/25/2013	Ag-110m	5.58E-02	6.60E-01	1.89E+00	U
WG	13	328691002	6/25/2013	Ba-140	-1.43E+00	2.45E+00	7.88E+00	U
WG	13	328691002	6/25/2013	Be-7	1.26E+01	7.73E+00	2.10E+01	U
WG	13	328691002	6/25/2013	BETA	1.48E+00	9.00E-01	2.52E+00	U
WG	13	328691002	6/25/2013	Bi-214	3.35E+00	2.42E+00	3.77E+00	U
WG	13	328691002	6/25/2013	Ce-141	-1.18E+00	2.37E+00	5.07E+00	U
WG	13	328691002	6/25/2013	Ce-144	1.79E+00	4.45E+00	1.43E+01	U
WG	13	328691002	6/25/2013	Co-57	7.32E-01	5.92E-01	1.86E+00	U
WG	13	328691002	6/25/2013	Co-58	6.44E-01	7.30E-01	2.39E+00	U
WG	13	328691002	6/25/2013	Co-60	-1.38E-01	6.52E-01	2.10E+00	U
WG	13	328691002	6/25/2013	Cr-51	-2.00E+00	8.75E+00	2.85E+01	U
WG	13	328691002	6/25/2013	Cs-134	7.04E-01	6.71E-01	2.20E+00	U
WG	13	328691002	6/25/2013	Cs-137	1.88E+00	9.16E-01	1.96E+00	U
WG	13	328691002	6/25/2013	Fe-59	-2.54E-01	1.86E+00	5.25E+00	U
WG	13	328691002	6/25/2013	H-3	1.43E+01	1.26E+02	4.14E+02	U
WG	13	328691002	6/25/2013	I-131	1.06E+00	3.75E+00	1.22E+01	U
WG	13	328691002	6/25/2013	K-40	3.75E+00	1.14E+01	2.84E+01	U
WG	13	328691002	6/25/2013	La-140	-1.43E+00	2.45E+00	7.88E+00	U
WG	13	328691002	6/25/2013	Mn-54	-4.81E-01	6.73E-01	2.09E+00	U
WG	13	328691002	6/25/2013	Nb-95	6.78E-01	7.75E-01	2.54E+00	U
WG	13	328691002	6/25/2013	Pb-212	8.67E-01	2.29E+00	4.00E+00	U
WG	13	328691002	6/25/2013	Pb-214	-2.94E+00	2.53E+00	5.07E+00	U
WG	13	328691002	6/25/2013	Ru-103	-6.53E-02	9.37E-01	2.74E+00	U
WG	13	328691002	6/25/2013	Ru-106	-5.51E+00	5.58E+00	1.74E+01	U
WG	13	328691002	6/25/2013	Sb-124	1.29E+00	1.87E+00	6.34E+00	U
WG	13	328691002	6/25/2013	Sb-125	3.52E-01	1.93E+00	5.45E+00	U
WG	13	328691002	6/25/2013	Se-75	-3.18E-01	9.41E-01	3.09E+00	U
WG	13	328691002	6/25/2013	Th-228	8.67E-01	2.29E+00	4.00E+00	U
WG	13	328691002	6/25/2013	Zn-65	3.46E-02	1.50E+00	4.27E+00	U
WG	13	328691002	6/25/2013	Zr-95	4.35E-01	1.20E+00	3.95E+00	U
WG	13	333719002	9/17/2013	Ac-228	-8.81E-01	3.72E+00	7.92E+00	U
WG	13	333719002	9/17/2013	Ag-108m	-6.29E-01	5.34E-01	1.60E+00	U
WG	13	333719002	9/17/2013	Ag-110m	-8.92E-01	5.47E-01	1.59E+00	U
WG	13	333719002	9/17/2013	Ba-140	8.12E-01	7.90E-01	2.67E+00	U
WG	13	333719002	9/17/2013	Be-7	1.13E+01	4.73E+00	1.33E+01	U
WG	13	333719002	9/17/2013	BETA	2.66E+00	1.23E+00	3.60E+00	U
WG	13	333719002	9/17/2013	Bi-214	2.73E+01	3.11E+00	3.79E+00	X(1)
WG	13	333719002	9/17/2013	Ce-141	-2.72E+00	1.55E+00	3.15E+00	U
WG	13	333719002	9/17/2013	Ce-144	-3.62E+00	4.26E+00	1.25E+01	U
WG	13	333719002	9/17/2013	Co-57	-2.49E-01	5.05E-01	1.60E+00	U
WG	13	333719002	9/17/2013	Co-58	-3.24E-01	6.29E-01	1.71E+00	U
WG	13	333719002	9/17/2013	Co-60	5.37E-01	5.94E-01	1.96E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
WG	13	333719002	9/17/2013	Cr-51	-5.76E+00	5.38E+00	1.67E+01	U
WG	13	333719002	9/17/2013	Cs-134	1.36E-01	6.03E-01	1.97E+00	U
WG	13	333719002	9/17/2013	Cs-137	1.18E+00	6.38E-01	1.99E+00	U
WG	13	333719002	9/17/2013	Fe-59	-2.47E+00	1.61E+00	3.57E+00	U
WG	13	333719002	9/17/2013	H-3	1.18E+02	1.71E+02	5.43E+02	U
WG	13	333719002	9/17/2013	I-131	-1.74E+00	1.36E+00	2.59E+00	U
WG	13	333719002	9/17/2013	K-40	-5.19E+00	9.05E+00	2.35E+01	U
WG	13	333719002	9/17/2013	La-140	8.12E-01	7.90E-01	2.67E+00	U
WG	13	333719002	9/17/2013	Mn-54	-4.21E-01	5.93E-01	1.86E+00	U
WG	13	333719002	9/17/2013	Nb-95	1.07E+00	6.53E-01	1.81E+00	U
WG	13	333719002	9/17/2013	Pb-212	3.17E-01	1.95E+00	3.91E+00	U
WG	13	333719002	9/17/2013	Pb-214	2.76E+01	3.11E+00	4.22E+00	X(1)
WG	13	333719002	9/17/2013	Ru-103	-6.57E-02	5.48E-01	1.84E+00	U
WG	13	333719002	9/17/2013	Ru-106	2.05E+00	4.87E+00	1.62E+01	U
WG	13	333719002	9/17/2013	Sb-124	1.01E+00	1.31E+00	4.42E+00	U
WG	13	333719002	9/17/2013	Sb-125	-2.93E+00	1.73E+00	4.89E+00	U
WG	13	333719002	9/17/2013	Se-75	8.09E-01	7.80E-01	2.55E+00	U
WG	13	333719002	9/17/2013	Th-228	3.17E-01	1.95E+00	3.91E+00	U
WG	13	333719002	9/17/2013	Zn-65	-1.24E+00	1.40E+00	3.73E+00	U
WG	13	333719002	9/17/2013	Zr-95	7.64E-01	9.31E-01	3.05E+00	U
WG	13	339392002	12/10/2013	Ac-228	5.09E+00	4.92E+00	1.58E+01	U
WG	13	339392002	12/10/2013	Ag-108m	4.75E-01	8.56E-01	2.90E+00	U
WG	13	339392002	12/10/2013	Ag-110m	9.02E-01	9.76E-01	3.28E+00	U
WG	13	339392002	12/10/2013	Ba-140	-2.62E+00	1.83E+00	4.87E+00	U
WG	13	339392002	12/10/2013	Be-7	1.29E+01	9.49E+00	3.17E+01	U
WG	13	339392002	12/10/2013	BETA	1.94E+00	5.12E-01	1.40E+00	M
WG	13	339392002	12/10/2013	Bi-214	5.05E+00	2.94E+00	6.45E+00	U
WG	13	339392002	12/10/2013	Ce-141	3.43E+00	2.31E+00	6.56E+00	U
WG	13	339392002	12/10/2013	Ce-144	3.87E+00	7.13E+00	2.28E+01	U
WG	13	339392002	12/10/2013	Co-57	-1.65E-01	9.55E-01	3.12E+00	U
WG	13	339392002	12/10/2013	Co-58	-3.72E-01	9.82E-01	3.11E+00	U
WG	13	339392002	12/10/2013	Co-60	2.12E+00	1.24E+00	4.03E+00	U
WG	13	339392002	12/10/2013	Cr-51	-1.42E+00	9.67E+00	3.25E+01	U
WG	13	339392002	12/10/2013	Cs-134	-2.34E+00	1.26E+00	3.20E+00	U
WG	13	339392002	12/10/2013	Cs-137	7.17E-03	1.04E+00	3.43E+00	U
WG	13	339392002	12/10/2013	Fe-59	-1.56E+00	2.14E+00	6.77E+00	U
WG	13	339392002	12/10/2013	H-3	-2.17E+02	1.70E+02	5.93E+02	U
WG	13	339392002	12/10/2013	I-131	6.94E-01	2.45E+00	6.38E+00	U
WG	13	339392002	12/10/2013	K-40	-7.80E+00	1.42E+01	4.41E+01	U
WG	13	339392002	12/10/2013	La-140	-2.62E+00	1.83E+00	4.87E+00	U
WG	13	339392002	12/10/2013	Mn-54	-9.92E-01	1.15E+00	2.92E+00	U
WG	13	339392002	12/10/2013	Nb-95	1.17E+00	1.06E+00	3.55E+00	U
WG	13	339392002	12/10/2013	Pb-212	-1.15E+00	2.30E+00	6.25E+00	U
WG	13	339392002	12/10/2013	Pb-214	3.46E+00	2.95E+00	8.07E+00	U
WG	13	339392002	12/10/2013	Ru-103	-1.13E+00	1.15E+00	3.56E+00	U
WG	13	339392002	12/10/2013	Ru-106	-1.12E+01	9.62E+00	2.86E+01	U
WG	13	339392002	12/10/2013	Sb-124	1.66E+00	2.75E+00	9.35E+00	U
WG	13	339392002	12/10/2013	Sb-125	3.08E+00	2.90E+00	9.77E+00	U
WG	13	339392002	12/10/2013	Se-75	1.57E+00	1.42E+00	4.58E+00	U
WG	13	339392002	12/10/2013	Th-228	-1.15E+00	2.30E+00	6.25E+00	U
WG	13	339392002	12/10/2013	Zn-65	1.44E+00	1.81E+00	5.61E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
WG	13	339392002	12/10/2013	Zr-95	-9.10E-01	1.73E+00	5.40E+00	U
WG	14	322489003	3/21/2013	Ac-228	-1.92E+00	3.21E+00	6.87E+00	U
WG	14	322489003	3/21/2013	Ag-108m	2.24E-01	4.88E-01	1.59E+00	U
WG	14	322489003	3/21/2013	Ag-110m	-1.40E+00	5.54E-01	1.41E+00	U
WG	14	322489003	3/21/2013	Ba-140	1.56E+00	8.80E-01	2.80E+00	U
WG	14	322489003	3/21/2013	Be-7	-7.21E+00	7.62E+00	1.45E+01	U
WG	14	322489003	3/21/2013	BETA	3.08E+00	1.24E+00	3.54E+00	U
WG	14	322489003	3/21/2013	Bi-214	1.93E+02	8.71E+00	3.37E+00	X(1)
WG	14	322489003	3/21/2013	Ce-141	-1.50E+00	1.49E+00	3.41E+00	U
WG	14	322489003	3/21/2013	Ce-144	2.00E+00	4.03E+00	1.29E+01	U
WG	14	322489003	3/21/2013	Co-57	-1.11E-01	4.98E-01	1.60E+00	U
WG	14	322489003	3/21/2013	Co-58	2.64E-02	5.43E-01	1.57E+00	U
WG	14	322489003	3/21/2013	Co-60	-6.43E-01	7.25E-01	1.84E+00	U
WG	14	322489003	3/21/2013	Cr-51	-8.25E-01	5.17E+00	1.65E+01	U
WG	14	322489003	3/21/2013	Cs-134	-2.63E-01	6.81E-01	1.71E+00	U
WG	14	322489003	3/21/2013	Cs-137	9.90E-01	6.12E-01	1.74E+00	U
WG	14	322489003	3/21/2013	Fe-59	2.10E-01	9.85E-01	3.21E+00	U
WG	14	322489003	3/21/2013	H-3	5.50E+01	1.17E+02	3.70E+02	U
WG	14	322489003	3/21/2013	I-131	-7.15E-01	8.46E-01	2.70E+00	U
WG	14	322489003	3/21/2013	K-40	9.74E+00	1.20E+01	1.61E+01	U
WG	14	322489003	3/21/2013	La-140	1.56E+00	8.80E-01	2.80E+00	U
WG	14	322489003	3/21/2013	Mn-54	-4.13E-01	5.72E-01	1.58E+00	U
WG	14	322489003	3/21/2013	Nb-95	1.37E+00	6.65E-01	1.79E+00	U
WG	14	322489003	3/21/2013	Pb-212	2.18E+00	1.87E+00	3.51E+00	U
WG	14	322489003	3/21/2013	Pb-214	2.30E+02	1.10E+01	4.04E+00	X(1)
WG	14	322489003	3/21/2013	Ru-103	-8.49E-01	5.78E-01	1.71E+00	U
WG	14	322489003	3/21/2013	Ru-106	1.61E-01	4.12E+00	1.39E+01	U
WG	14	322489003	3/21/2013	Sb-124	-1.21E+00	1.36E+00	3.58E+00	U
WG	14	322489003	3/21/2013	Sb-125	-7.98E-01	1.53E+00	4.92E+00	U
WG	14	322489003	3/21/2013	Se-75	2.79E-01	8.26E-01	2.57E+00	U
WG	14	322489003	3/21/2013	Th-228	2.18E+00	1.87E+00	3.51E+00	U
WG	14	322489003	3/21/2013	Zn-65	1.48E+00	1.23E+00	3.46E+00	U
WG	14	322489003	3/21/2013	Zr-95	2.90E-01	8.82E-01	2.95E+00	U
WG	14	328691003	6/25/2013	Ac-228	4.57E+00	3.06E+00	6.73E+00	U
WG	14	328691003	6/25/2013	Ag-108m	2.79E-01	4.90E-01	1.63E+00	U
WG	14	328691003	6/25/2013	Ag-110m	-1.40E+00	6.53E-01	1.70E+00	U
WG	14	328691003	6/25/2013	Ba-140	4.42E+00	2.25E+00	7.30E+00	U
WG	14	328691003	6/25/2013	Be-7	3.52E+00	5.74E+00	1.90E+01	U
WG	14	328691003	6/25/2013	BETA	3.09E+00	1.21E+00	3.22E+00	U
WG	14	328691003	6/25/2013	Bi-214	7.76E-01	2.19E+00	3.76E+00	U
WG	14	328691003	6/25/2013	Ce-141	3.82E+00	1.77E+00	4.61E+00	U
WG	14	328691003	6/25/2013	Ce-144	-3.95E+00	4.54E+00	1.26E+01	U
WG	14	328691003	6/25/2013	Co-57	9.62E-02	5.72E-01	1.66E+00	U
WG	14	328691003	6/25/2013	Co-58	4.32E-01	6.13E-01	2.07E+00	U
WG	14	328691003	6/25/2013	Co-60	1.57E-01	6.80E-01	1.92E+00	U
WG	14	328691003	6/25/2013	Cr-51	3.85E+00	7.35E+00	2.48E+01	U
WG	14	328691003	6/25/2013	Cs-134	7.43E-01	6.10E-01	2.04E+00	U
WG	14	328691003	6/25/2013	Cs-137	-2.52E+00	1.13E+00	1.86E+00	U
WG	14	328691003	6/25/2013	Fe-59	1.01E+00	1.60E+00	4.64E+00	U
WG	14	328691003	6/25/2013	H-3	0.00E+00	1.21E+02	3.99E+02	U
WG	14	328691003	6/25/2013	I-131	1.90E+00	3.41E+00	1.14E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
WG	14	328691003	6/25/2013	K-40	1.32E+01	1.15E+01	2.70E+01	U
WG	14	328691003	6/25/2013	La-140	4.42E+00	2.25E+00	7.30E+00	U
WG	14	328691003	6/25/2013	Mn-54	3.47E-01	5.46E-01	1.84E+00	U
WG	14	328691003	6/25/2013	Nb-95	-8.33E-02	6.70E-01	2.15E+00	U
WG	14	328691003	6/25/2013	Pb-212	2.20E-01	2.05E+00	4.20E+00	U
WG	14	328691003	6/25/2013	Pb-214	3.01E+00	2.12E+00	4.87E+00	U
WG	14	328691003	6/25/2013	Ru-103	-2.94E+00	1.25E+00	2.46E+00	U
WG	14	328691003	6/25/2013	Ru-106	4.95E+00	5.06E+00	1.65E+01	U
WG	14	328691003	6/25/2013	Sb-124	-2.98E+00	1.66E+00	4.49E+00	U
WG	14	328691003	6/25/2013	Sb-125	5.50E-01	1.53E+00	5.09E+00	U
WG	14	328691003	6/25/2013	Se-75	-3.49E-01	8.62E-01	2.73E+00	U
WG	14	328691003	6/25/2013	Th-228	2.20E-01	2.05E+00	4.20E+00	U
WG	14	328691003	6/25/2013	Zn-65	1.28E+00	1.35E+00	3.91E+00	U
WG	14	328691003	6/25/2013	Zr-95	2.02E+00	1.44E+00	4.04E+00	U
WG	14	333719003	9/17/2013	Ac-228	5.39E+00	4.48E+00	9.17E+00	U
WG	14	333719003	9/17/2013	Ag-108m	-7.23E-01	6.19E-01	1.96E+00	U
WG	14	333719003	9/17/2013	Ag-110m	-2.80E-01	6.79E-01	1.88E+00	U
WG	14	333719003	9/17/2013	Ba-140	2.55E+00	1.12E+00	3.37E+00	U
WG	14	333719003	9/17/2013	Be-7	-2.11E+00	5.59E+00	1.85E+01	U
WG	14	333719003	9/17/2013	BETA	2.44E+00	1.06E+00	2.85E+00	U
WG	14	333719003	9/17/2013	Bi-214	2.55E+02	1.15E+01	4.21E+00	X(1)
WG	14	333719003	9/17/2013	Ce-141	-1.03E-01	1.20E+00	4.07E+00	U
WG	14	333719003	9/17/2013	Ce-144	-1.66E+00	4.86E+00	1.53E+01	U
WG	14	333719003	9/17/2013	Co-57	-5.86E-01	7.15E-01	1.96E+00	U
WG	14	333719003	9/17/2013	Co-58	9.80E-01	7.14E-01	2.04E+00	U
WG	14	333719003	9/17/2013	Co-60	-2.04E-01	6.46E-01	2.14E+00	U
WG	14	333719003	9/17/2013	Cr-51	5.45E-01	6.21E+00	2.01E+01	U
WG	14	333719003	9/17/2013	Cs-134	9.06E-01	9.07E-01	2.20E+00	U
WG	14	333719003	9/17/2013	Cs-137	1.48E+00	5.68E-01	1.94E+00	U
WG	14	333719003	9/17/2013	Fe-59	5.72E-01	1.23E+00	4.05E+00	U
WG	14	333719003	9/17/2013	H-3	2.91E+02	1.74E+02	5.20E+02	U
WG	14	333719003	9/17/2013	I-131	-5.34E-01	1.12E+00	3.07E+00	U
WG	14	333719003	9/17/2013	K-40	1.61E+01	1.46E+01	2.09E+01	U
WG	14	333719003	9/17/2013	La-140	2.55E+00	1.12E+00	3.37E+00	U
WG	14	333719003	9/17/2013	Mn-54	9.51E-01	7.24E-01	2.06E+00	U
WG	14	333719003	9/17/2013	Nb-95	0.00E+00	2.20E+00	2.89E+00	U
WG	14	333719003	9/17/2013	Pb-212	3.96E+00	2.27E+00	4.13E+00	U
WG	14	333719003	9/17/2013	Pb-214	2.86E+02	1.34E+01	5.22E+00	X(1)
WG	14	333719003	9/17/2013	Ru-103	-5.59E-01	7.23E-01	2.01E+00	U
WG	14	333719003	9/17/2013	Ru-106	7.85E-01	5.63E+00	1.84E+01	U
WG	14	333719003	9/17/2013	Sb-124	-1.41E-01	1.56E+00	5.08E+00	U
WG	14	333719003	9/17/2013	Sb-125	1.11E+00	1.89E+00	6.31E+00	U
WG	14	333719003	9/17/2013	Se-75	1.68E+00	1.07E+00	3.09E+00	U
WG	14	333719003	9/17/2013	Th-228	3.96E+00	2.27E+00	4.13E+00	U
WG	14	333719003	9/17/2013	Zn-65	1.61E+00	1.59E+00	4.46E+00	U
WG	14	333719003	9/17/2013	Zr-95	1.05E-01	1.16E+00	3.73E+00	U
WG	14	339392003	12/10/2013	Ac-228	-1.10E+01	6.99E+00	1.71E+01	U
WG	14	339392003	12/10/2013	Ag-108m	1.57E-01	1.23E+00	4.07E+00	U
WG	14	339392003	12/10/2013	Ag-110m	-3.04E-01	1.26E+00	3.64E+00	U
WG	14	339392003	12/10/2013	Ba-140	-9.94E-01	2.10E+00	6.58E+00	U
WG	14	339392003	12/10/2013	Be-7	5.35E+00	1.33E+01	3.83E+01	U

Seabrook REMP Summary of 2013 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
WG	14	339392003	12/10/2013	BETA	2.43E+00	1.16E+00	3.16E+00	U
WG	14	339392003	12/10/2013	Bi-214	2.19E+02	1.20E+01	8.13E+00	X(1)
WG	14	339392003	12/10/2013	Ce-141	-1.68E+00	3.04E+00	9.62E+00	U
WG	14	339392003	12/10/2013	Ce-144	-1.22E+01	1.14E+01	3.48E+01	U
WG	14	339392003	12/10/2013	Co-57	1.25E-01	1.44E+00	4.67E+00	U
WG	14	339392003	12/10/2013	Co-58	1.45E+00	1.37E+00	3.97E+00	U
WG	14	339392003	12/10/2013	Co-60	-1.26E+00	1.40E+00	4.27E+00	U
WG	14	339392003	12/10/2013	Cr-51	-8.00E+00	1.39E+01	4.53E+01	U
WG	14	339392003	12/10/2013	Cs-134	7.01E-02	1.36E+00	4.38E+00	U
WG	14	339392003	12/10/2013	Cs-137	8.08E-01	1.39E+00	4.01E+00	U
WG	14	339392003	12/10/2013	Fe-59	5.58E+00	2.48E+00	8.66E+00	U
WG	14	339392003	12/10/2013	H-3	-7.47E+01	1.69E+02	5.67E+02	U
WG	14	339392003	12/10/2013	I-131	-7.32E-01	2.56E+00	8.42E+00	U
WG	14	339392003	12/10/2013	K-40	1.46E+01	1.65E+01	5.52E+01	U
WG	14	339392003	12/10/2013	La-140	-9.94E-01	2.10E+00	6.58E+00	U
WG	14	339392003	12/10/2013	Mn-54	2.51E-02	1.32E+00	4.26E+00	U
WG	14	339392003	12/10/2013	Nb-95	0.00E+00	2.55E+00	5.99E+00	U
WG	14	339392003	12/10/2013	Pb-212	5.81E+00	3.70E+00	8.22E+00	U
WG	14	339392003	12/10/2013	Pb-214	2.34E+02	1.24E+01	1.03E+01	X(1)
WG	14	339392003	12/10/2013	Ru-103	-2.98E-03	1.51E+00	4.29E+00	U
WG	14	339392003	12/10/2013	Ru-106	-7.60E+00	1.17E+01	3.68E+01	U
WG	14	339392003	12/10/2013	Sb-124	2.26E+00	2.61E+00	8.94E+00	U
WG	14	339392003	12/10/2013	Sb-125	1.87E+00	3.88E+00	1.29E+01	U
WG	14	339392003	12/10/2013	Se-75	9.72E-01	2.13E+00	6.76E+00	U
WG	14	339392003	12/10/2013	Th-228	5.81E+00	3.70E+00	8.22E+00	U
WG	14	339392003	12/10/2013	Zn-65	3.39E+00	3.19E+00	9.51E+00	U
WG	14	339392003	12/10/2013	Zr-95	7.33E-01	2.38E+00	7.76E+00	U

Seabrook REMP Summary of 2013 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
WS	01	319591001	1/28/2013	Ac-228	-2.02E+00	3.25E+00	6.99E+00	U
WS	01	319591001	1/28/2013	Ag-108m	1.86E-01	4.32E-01	1.43E+00	U
WS	01	319591001	1/28/2013	Ag-110m	2.44E-01	4.48E-01	1.52E+00	U
WS	01	319591001	1/28/2013	Ba-140	1.22E+00	8.67E-01	2.90E+00	U
WS	01	319591001	1/28/2013	Be-7	6.85E+00	4.39E+00	1.39E+01	U
WS	01	319591001	1/28/2013	Bi-214	1.45E+00	2.20E+00	3.97E+00	U
WS	01	319591001	1/28/2013	Ce-141	1.09E+00	9.91E-01	2.84E+00	U
WS	01	319591001	1/28/2013	Ce-144	-1.04E+00	3.22E+00	1.04E+01	U
WS	01	319591001	1/28/2013	Co-57	4.21E-01	4.75E-01	1.38E+00	U
WS	01	319591001	1/28/2013	Co-58	-3.41E-02	5.46E-01	1.57E+00	U
WS	01	319591001	1/28/2013	Co-60	-7.89E-01	5.56E-01	1.65E+00	U
WS	01	319591001	1/28/2013	Cr-51	-4.83E+00	5.58E+00	1.57E+01	U
WS	01	319591001	1/28/2013	Cs-134	5.11E-01	5.55E-01	1.86E+00	U
WS	01	319591001	1/28/2013	Cs-137	-2.74E-01	4.68E-01	1.54E+00	U
WS	01	319591001	1/28/2013	Fe-59	-1.45E+00	1.16E+00	3.43E+00	U
WS	01	319591001	1/28/2013	I-131	-6.32E-01	9.78E-01	3.17E+00	U
WS	01	319591001	1/28/2013	K-40	3.28E+02	2.35E+01	1.54E+01	
WS	01	319591001	1/28/2013	La-140	1.22E+00	8.67E-01	2.90E+00	U
WS	01	319591001	1/28/2013	Mn-54	-1.91E-02	4.91E-01	1.63E+00	U
WS	01	319591001	1/28/2013	Nb-95	4.54E-01	5.67E-01	1.67E+00	U
WS	01	319591001	1/28/2013	Pb-212	2.37E+00	1.71E+00	3.43E+00	U
WS	01	319591001	1/28/2013	Pb-214	-1.87E+00	2.10E+00	3.96E+00	U
WS	01	319591001	1/28/2013	Ru-103	-4.76E-01	6.18E-01	1.68E+00	U
WS	01	319591001	1/28/2013	Ru-106	-8.25E+00	4.95E+00	1.38E+01	U
WS	01	319591001	1/28/2013	Sb-124	8.48E-03	1.28E+00	4.22E+00	U
WS	01	319591001	1/28/2013	Sb-125	-1.06E+00	1.50E+00	4.16E+00	U
WS	01	319591001	1/28/2013	Se-75	-3.88E-02	6.58E-01	2.22E+00	U
WS	01	319591001	1/28/2013	Th-228	2.37E+00	1.71E+00	3.43E+00	U
WS	01	319591001	1/28/2013	Zn-65	-5.64E-01	1.06E+00	3.34E+00	U
WS	01	319591001	1/28/2013	Zr-95	-8.29E-02	8.12E-01	2.71E+00	U
WS	01	320917001	2/19/2013	Ac-228	-2.47E+00	3.14E+00	6.66E+00	U
WS	01	320917001	2/19/2013	Ag-108m	-1.95E-01	4.05E-01	1.30E+00	U
WS	01	320917001	2/19/2013	Ag-110m	3.69E-01	4.70E-01	1.39E+00	U
WS	01	320917001	2/19/2013	Ba-140	2.84E-01	7.78E-01	2.58E+00	U
WS	01	320917001	2/19/2013	Be-7	-4.86E+00	4.33E+00	1.32E+01	U
WS	01	320917001	2/19/2013	Bi-214	-1.12E+00	1.61E+00	3.49E+00	U
WS	01	320917001	2/19/2013	Ce-141	5.04E-02	8.74E-01	2.84E+00	U
WS	01	320917001	2/19/2013	Ce-144	1.72E+00	3.12E+00	1.02E+01	U
WS	01	320917001	2/19/2013	Co-57	-5.28E-02	3.95E-01	1.29E+00	U
WS	01	320917001	2/19/2013	Co-58	-2.07E-01	4.48E-01	1.45E+00	U
WS	01	320917001	2/19/2013	Co-60	1.82E-01	4.84E-01	1.62E+00	U
WS	01	320917001	2/19/2013	Cr-51	-2.57E+00	4.43E+00	1.45E+01	U
WS	01	320917001	2/19/2013	Cs-134	5.79E-01	5.41E-01	1.69E+00	U
WS	01	320917001	2/19/2013	Cs-137	1.16E+00	8.19E-01	1.56E+00	U
WS	01	320917001	2/19/2013	Fe-59	9.73E-01	1.15E+00	3.27E+00	U
WS	01	320917001	2/19/2013	I-131	-1.14E+00	9.69E-01	3.01E+00	U
WS	01	320917001	2/19/2013	K-40	3.37E+02	2.22E+01	1.35E+01	
WS	01	320917001	2/19/2013	La-140	2.84E-01	7.78E-01	2.58E+00	U
WS	01	320917001	2/19/2013	Mn-54	-3.87E-01	4.56E-01	1.44E+00	U
WS	01	320917001	2/19/2013	Nb-95	4.33E-01	4.58E-01	1.52E+00	U
WS	01	320917001	2/19/2013	Pb-212	2.60E-01	1.55E+00	3.19E+00	U

Seabrook REMP Summary of 2013 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
WS	01	320917001	2/19/2013	Pb-214	-1.43E+00	1.69E+00	3.48E+00	U
WS	01	320917001	2/19/2013	Ru-103	-9.74E-02	5.87E-01	1.65E+00	U
WS	01	320917001	2/19/2013	Ru-106	5.53E+00	4.28E+00	1.41E+01	U
WS	01	320917001	2/19/2013	Sb-124	-7.22E-02	1.08E+00	3.50E+00	U
WS	01	320917001	2/19/2013	Sb-125	1.22E-01	1.21E+00	3.96E+00	U
WS	01	320917001	2/19/2013	Se-75	-1.38E-01	5.88E-01	1.97E+00	U
WS	01	320917001	2/19/2013	Th-228	2.60E-01	1.55E+00	3.19E+00	U
WS	01	320917001	2/19/2013	Zn-65	1.89E+00	1.80E+00	3.60E+00	U
WS	01	320917001	2/19/2013	Zr-95	-4.23E-01	7.74E-01	2.51E+00	U
WS	01	322541001	3/21/2013	Ac-228	1.54E+00	2.92E+00	5.91E+00	U
WS	01	322541001	3/21/2013	Ag-108m	5.07E-01	4.11E-01	1.30E+00	U
WS	01	322541001	3/21/2013	Ag-110m	-2.96E+00	8.19E-01	1.23E+00	U
WS	01	322541001	3/21/2013	Ba-140	1.92E+00	8.55E-01	2.34E+00	U
WS	01	322541001	3/21/2013	Be-7	1.79E+00	3.60E+00	1.16E+01	U
WS	01	322541001	3/21/2013	Bi-214	6.42E-01	2.11E+00	3.24E+00	U
WS	01	322541001	3/21/2013	Ce-141	-6.91E-01	1.17E+00	2.61E+00	U
WS	01	322541001	3/21/2013	Ce-144	1.48E+00	2.98E+00	9.55E+00	U
WS	01	322541001	3/21/2013	Co-57	6.10E-02	3.93E-01	1.27E+00	U
WS	01	322541001	3/21/2013	Co-58	-4.95E-01	5.16E-01	1.37E+00	U
WS	01	322541001	3/21/2013	Co-60	1.14E-01	5.34E-01	1.53E+00	U
WS	01	322541001	3/21/2013	Cr-51	-9.31E-01	4.04E+00	1.32E+01	U
WS	01	322541001	3/21/2013	Cs-134	2.46E-01	4.74E-01	1.56E+00	U
WS	01	322541001	3/21/2013	Cs-137	-9.28E-01	8.24E-01	1.84E+00	U
WS	01	322541001	3/21/2013	Fe-59	2.11E-02	9.09E-01	3.05E+00	U
WS	01	322541001	3/21/2013	I-131	-3.09E-01	7.16E-01	2.31E+00	U
WS	01	322541001	3/21/2013	K-40	3.21E+02	2.00E+01	1.39E+01	
WS	01	322541001	3/21/2013	La-140	1.92E+00	8.55E-01	2.34E+00	U
WS	01	322541001	3/21/2013	Mn-54	3.81E-01	4.16E-01	1.36E+00	U
WS	01	322541001	3/21/2013	Nb-95	2.90E-01	4.94E-01	1.42E+00	U
WS	01	322541001	3/21/2013	Pb-212	-2.10E+00	1.56E+00	3.07E+00	U
WS	01	322541001	3/21/2013	Pb-214	-3.63E+00	2.09E+00	3.31E+00	U
WS	01	322541001	3/21/2013	Ru-103	4.96E-01	5.16E-01	1.45E+00	U
WS	01	322541001	3/21/2013	Ru-106	-4.74E+00	3.99E+00	1.24E+01	U
WS	01	322541001	3/21/2013	Sb-124	-1.66E+00	1.10E+00	3.09E+00	U
WS	01	322541001	3/21/2013	Sb-125	-2.33E+00	1.27E+00	3.53E+00	U
WS	01	322541001	3/21/2013	Se-75	-8.44E-02	5.61E-01	1.86E+00	U
WS	01	322541001	3/21/2013	Th-228	-2.10E+00	1.56E+00	3.07E+00	U
WS	01	322541001	3/21/2013	Zn-65	-1.52E-01	9.14E-01	3.04E+00	U
WS	01	322541001	3/21/2013	Zr-95	6.31E-01	7.22E-01	2.38E+00	U
WS	01	324992001	3/21/2013	H-3	-1.26E+01	1.50E+02	4.93E+02	U
WS	01	324222001	4/16/2013	Ac-228	2.74E-01	3.21E+00	5.91E+00	U
WS	01	324222001	4/16/2013	Ag-108m	-4.46E-01	4.65E-01	1.46E+00	U
WS	01	324222001	4/16/2013	Ag-110m	-3.95E-01	5.10E-01	1.57E+00	U
WS	01	324222001	4/16/2013	Ba-140	-4.52E-01	8.13E-01	2.58E+00	U
WS	01	324222001	4/16/2013	Be-7	6.00E+00	4.95E+00	1.61E+01	U
WS	01	324222001	4/16/2013	Bi-214	-3.28E+00	1.88E+00	3.96E+00	U
WS	01	324222001	4/16/2013	Ce-141	3.95E-01	1.51E+00	2.86E+00	U
WS	01	324222001	4/16/2013	Ce-144	-4.84E+00	3.51E+00	1.07E+01	U
WS	01	324222001	4/16/2013	Co-57	3.82E-01	4.45E-01	1.47E+00	U
WS	01	324222001	4/16/2013	Co-58	-1.26E-01	4.79E-01	1.58E+00	U
WS	01	324222001	4/16/2013	Co-60	3.06E-01	5.91E-01	2.00E+00	U

Seabrook REMP Summary of 2013 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
WS	01	324222001	4/16/2013	Cr-51	-9.37E+00	5.21E+00	1.53E+01	U
WS	01	324222001	4/16/2013	Cs-134	3.94E-01	5.85E-01	1.97E+00	U
WS	01	324222001	4/16/2013	Cs-137	1.03E+00	5.82E-01	1.81E+00	U
WS	01	324222001	4/16/2013	Fe-59	-7.69E-02	1.13E+00	3.67E+00	U
WS	01	324222001	4/16/2013	I-131	3.17E-01	8.78E-01	2.95E+00	U
WS	01	324222001	4/16/2013	K-40	3.53E+02	2.28E+01	1.59E+01	
WS	01	324222001	4/16/2013	La-140	-4.52E-01	8.13E-01	2.58E+00	U
WS	01	324222001	4/16/2013	Mn-54	3.61E-01	5.20E-01	1.74E+00	U
WS	01	324222001	4/16/2013	Nb-95	1.72E-01	5.04E-01	1.70E+00	U
WS	01	324222001	4/16/2013	Pb-212	-4.21E-02	1.62E+00	3.80E+00	U
WS	01	324222001	4/16/2013	Pb-214	3.07E-02	2.00E+00	4.11E+00	U
WS	01	324222001	4/16/2013	Ru-103	-1.85E-01	5.62E-01	1.82E+00	U
WS	01	324222001	4/16/2013	Ru-106	-1.11E+01	5.49E+00	1.44E+01	U
WS	01	324222001	4/16/2013	Sb-124	3.50E+00	1.44E+00	3.80E+00	U
WS	01	324222001	4/16/2013	Sb-125	-6.61E-01	1.38E+00	4.49E+00	U
WS	01	324222001	4/16/2013	Se-75	-1.32E-01	7.31E-01	2.31E+00	U
WS	01	324222001	4/16/2013	Th-228	-4.21E-02	1.62E+00	3.80E+00	U
WS	01	324222001	4/16/2013	Zn-65	1.63E+00	1.11E+00	3.60E+00	U
WS	01	324222001	4/16/2013	Zr-95	3.55E-01	8.99E-01	3.04E+00	U
WS	01	326955001	5/22/2013	Ac-228	-7.19E+00	3.24E+00	6.65E+00	U
WS	01	326955001	5/22/2013	Ag-108m	-4.22E-01	4.49E-01	1.41E+00	U
WS	01	326955001	5/22/2013	Ag-110m	2.47E-01	5.16E-01	1.67E+00	U
WS	01	326955001	5/22/2013	Ba-140	-5.00E-01	1.59E+00	5.16E+00	U
WS	01	326955001	5/22/2013	Be-7	1.96E+00	5.40E+00	1.79E+01	U
WS	01	326955001	5/22/2013	Bi-214	-8.28E-01	1.76E+00	4.00E+00	U
WS	01	326955001	5/22/2013	Ce-141	7.03E-01	1.28E+00	3.80E+00	U
WS	01	326955001	5/22/2013	Ce-144	-1.26E+00	3.48E+00	1.14E+01	U
WS	01	326955001	5/22/2013	Co-57	3.39E-01	4.62E-01	1.54E+00	U
WS	01	326955001	5/22/2013	Co-58	9.96E-02	5.30E-01	1.78E+00	U
WS	01	326955001	5/22/2013	Co-60	2.62E-01	5.56E-01	1.89E+00	U
WS	01	326955001	5/22/2013	Cr-51	-5.81E+00	6.47E+00	2.10E+01	U
WS	01	326955001	5/22/2013	Cs-134	-2.08E-01	5.25E-01	1.72E+00	U
WS	01	326955001	5/22/2013	Cs-137	7.25E-01	5.52E-01	1.76E+00	U
WS	01	326955001	5/22/2013	Fe-59	-2.91E+00	1.51E+00	3.98E+00	U
WS	01	326955001	5/22/2013	I-131	2.79E+00	2.67E+00	8.88E+00	U
WS	01	326955001	5/22/2013	K-40	3.11E+02	2.15E+01	1.57E+01	
WS	01	326955001	5/22/2013	La-140	-5.00E-01	1.59E+00	5.16E+00	U
WS	01	326955001	5/22/2013	Mn-54	2.44E-02	5.03E-01	1.68E+00	U
WS	01	326955001	5/22/2013	Nb-95	1.11E+00	6.68E-01	2.12E+00	U
WS	01	326955001	5/22/2013	Pb-212	-4.71E+00	1.89E+00	3.42E+00	U
WS	01	326955001	5/22/2013	Pb-214	-1.81E-01	1.90E+00	3.66E+00	U
WS	01	326955001	5/22/2013	Ru-103	-2.21E-01	7.48E-01	2.12E+00	U
WS	01	326955001	5/22/2013	Ru-106	-2.97E+00	4.66E+00	1.46E+01	U
WS	01	326955001	5/22/2013	Sb-124	-1.63E+00	1.45E+00	4.28E+00	U
WS	01	326955001	5/22/2013	Sb-125	-1.42E+00	1.36E+00	4.25E+00	U
WS	01	326955001	5/22/2013	Se-75	-6.95E-01	8.89E-01	2.42E+00	U
WS	01	326955001	5/22/2013	Th-228	-4.71E+00	1.89E+00	3.42E+00	U
WS	01	326955001	5/22/2013	Zn-65	1.32E+00	9.33E-01	4.12E+00	U
WS	01	326955001	5/22/2013	Zr-95	-1.23E+00	1.20E+00	3.25E+00	U
WS	01	328137001	6/18/2013	Ac-228	1.92E+00	3.66E+00	6.48E+00	U
WS	01	328137001	6/18/2013	Ag-108m	7.53E-02	5.08E-01	1.67E+00	U

Seabrook REMP Summary of 2013 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
WS	01	328137001	6/18/2013	Ag-110m	-1.29E+00	6.20E-01	1.60E+00	U
WS	01	328137001	6/18/2013	Ba-140	1.15E-01	1.00E+00	3.24E+00	U
WS	01	328137001	6/18/2013	Be-7	-6.72E+00	5.34E+00	1.61E+01	U
WS	01	328137001	6/18/2013	Bi-214	2.16E+00	2.44E+00	3.32E+00	U
WS	01	328137001	6/18/2013	Ce-141	1.67E+00	1.30E+00	3.62E+00	U
WS	01	328137001	6/18/2013	Ce-144	-1.95E+00	4.15E+00	1.31E+01	U
WS	01	328137001	6/18/2013	Co-57	-8.10E-01	5.71E-01	1.69E+00	U
WS	01	328137001	6/18/2013	Co-58	1.28E-02	6.15E-01	1.80E+00	U
WS	01	328137001	6/18/2013	Co-60	-5.47E-01	5.93E-01	1.80E+00	U
WS	01	328137001	6/18/2013	Cr-51	-1.40E+00	5.55E+00	1.83E+01	U
WS	01	328137001	6/18/2013	Cs-134	2.45E-01	5.25E-01	1.78E+00	U
WS	01	328137001	6/18/2013	Cs-137	3.15E-01	5.65E-01	1.83E+00	U
WS	01	328137001	6/18/2013	Fe-59	-5.26E-01	1.26E+00	3.51E+00	U
WS	01	328137001	6/18/2013	I-131	-3.60E-01	1.11E+00	3.63E+00	U
WS	01	328137001	6/18/2013	K-40	3.06E+02	2.19E+01	1.61E+01	
WS	01	328137001	6/18/2013	La-140	1.15E-01	1.00E+00	3.24E+00	U
WS	01	328137001	6/18/2013	Mn-54	-2.64E-01	5.10E-01	1.67E+00	U
WS	01	328137001	6/18/2013	Nb-95	-7.05E-01	5.63E-01	1.74E+00	U
WS	01	328137001	6/18/2013	Pb-212	1.92E+00	2.16E+00	4.31E+00	U
WS	01	328137001	6/18/2013	Pb-214	0.00E+00	2.10E+00	4.47E+00	U
WS	01	328137001	6/18/2013	Ru-103	9.02E-01	6.00E-01	1.91E+00	U
WS	01	328137001	6/18/2013	Ru-106	-1.15E+00	4.73E+00	1.51E+01	U
WS	01	328137001	6/18/2013	Sb-124	-3.25E-01	1.15E+00	3.80E+00	U
WS	01	328137001	6/18/2013	Sb-125	-6.07E-02	1.75E+00	5.05E+00	U
WS	01	328137001	6/18/2013	Se-75	6.74E-01	7.72E-01	2.58E+00	U
WS	01	328137001	6/18/2013	Th-228	1.92E+00	2.16E+00	4.31E+00	U
WS	01	328137001	6/18/2013	Zn-65	-9.47E-01	1.17E+00	3.67E+00	U
WS	01	328137001	6/18/2013	Zr-95	-4.55E-01	9.66E-01	3.19E+00	U
WS	01	332520001	6/18/2013	H-3	-5.85E+01	4.91E+01	1.83E+02	U
WS	01	329947001	7/16/2013	Ac-228	7.09E+00	5.28E+00	1.43E+01	U
WS	01	329947001	7/16/2013	Ag-108m	1.28E+00	1.04E+00	3.01E+00	U
WS	01	329947001	7/16/2013	Ag-110m	-5.31E-01	9.31E-01	3.03E+00	U
WS	01	329947001	7/16/2013	Ba-140	3.02E-01	1.80E+00	5.12E+00	U
WS	01	329947001	7/16/2013	Be-7	7.22E+00	9.53E+00	2.89E+01	U
WS	01	329947001	7/16/2013	Bi-214	3.21E+00	3.77E+00	6.60E+00	U
WS	01	329947001	7/16/2013	Ce-141	2.31E+00	1.96E+00	5.92E+00	U
WS	01	329947001	7/16/2013	Ce-144	1.77E-01	6.27E+00	2.08E+01	U
WS	01	329947001	7/16/2013	Co-57	-1.97E-01	8.40E-01	2.77E+00	U
WS	01	329947001	7/16/2013	Co-58	7.36E-03	9.79E-01	3.25E+00	U
WS	01	329947001	7/16/2013	Co-60	1.84E-02	9.18E-01	3.06E+00	U
WS	01	329947001	7/16/2013	Cr-51	-3.13E+00	8.96E+00	2.97E+01	U
WS	01	329947001	7/16/2013	Cs-134	1.05E+00	1.08E+00	3.63E+00	U
WS	01	329947001	7/16/2013	Cs-137	4.36E-01	9.81E-01	3.34E+00	U
WS	01	329947001	7/16/2013	Fe-59	-8.35E-02	2.05E+00	6.64E+00	U
WS	01	329947001	7/16/2013	I-131	2.30E+00	1.81E+00	5.98E+00	U
WS	01	329947001	7/16/2013	K-40	2.96E+02	2.75E+01	3.04E+01	
WS	01	329947001	7/16/2013	La-140	3.02E-01	1.80E+00	5.12E+00	U
WS	01	329947001	7/16/2013	Mn-54	1.88E-01	9.03E-01	3.02E+00	U
WS	01	329947001	7/16/2013	Nb-95	-1.15E+00	9.49E-01	2.85E+00	U
WS	01	329947001	7/16/2013	Pb-212	0.00E+00	3.29E+00	6.92E+00	U
WS	01	329947001	7/16/2013	Pb-214	2.68E+00	3.75E+00	8.44E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
WS	01	329947001	7/16/2013	Ru-103	1.27E+00	1.08E+00	3.56E+00	U
WS	01	329947001	7/16/2013	Ru-106	-7.93E+00	8.89E+00	2.69E+01	U
WS	01	329947001	7/16/2013	Sb-124	7.31E-01	2.13E+00	7.11E+00	U
WS	01	329947001	7/16/2013	Sb-125	-2.87E+00	2.74E+00	8.44E+00	U
WS	01	329947001	7/16/2013	Se-75	-1.12E+00	1.38E+00	4.23E+00	U
WS	01	329947001	7/16/2013	Th-228	0.00E+00	3.29E+00	6.92E+00	U
WS	01	329947001	7/16/2013	Zn-65	1.71E+00	2.34E+00	6.76E+00	U
WS	01	329947001	7/16/2013	Zr-95	-1.77E+00	1.98E+00	5.54E+00	U
WS	01	332161001	8/20/2013	Ac-228	-2.15E+00	3.30E+00	8.72E+00	U
WS	01	332161001	8/20/2013	Ag-108m	8.50E-02	5.57E-01	1.82E+00	U
WS	01	332161001	8/20/2013	Ag-110m	2.80E-01	7.06E-01	2.08E+00	U
WS	01	332161001	8/20/2013	Ba-140	1.53E+00	1.01E+00	3.38E+00	U
WS	01	332161001	8/20/2013	Be-7	7.28E+00	6.90E+00	1.97E+01	U
WS	01	332161001	8/20/2013	Bi-214	8.33E+00	2.28E+00	4.13E+00	X(1)
WS	01	332161001	8/20/2013	Ce-141	3.70E-01	1.17E+00	3.75E+00	U
WS	01	332161001	8/20/2013	Ce-144	1.60E+00	4.29E+00	1.39E+01	U
WS	01	332161001	8/20/2013	Co-57	-3.16E-01	5.70E-01	1.81E+00	U
WS	01	332161001	8/20/2013	Co-58	-8.41E-01	6.61E-01	1.97E+00	U
WS	01	332161001	8/20/2013	Co-60	3.59E-01	6.55E-01	2.21E+00	U
WS	01	332161001	8/20/2013	Cr-51	-3.64E+00	8.21E+00	2.03E+01	U
WS	01	332161001	8/20/2013	Cs-134	-5.15E-01	7.04E-01	2.23E+00	U
WS	01	332161001	8/20/2013	Cs-137	9.42E-01	1.23E+00	2.29E+00	U
WS	01	332161001	8/20/2013	Fe-59	-3.48E+00	2.17E+00	4.38E+00	U
WS	01	332161001	8/20/2013	I-131	1.74E-01	1.06E+00	3.49E+00	U
WS	01	332161001	8/20/2013	K-40	3.46E+02	2.57E+01	1.92E+01	
WS	01	332161001	8/20/2013	La-140	1.53E+00	1.01E+00	3.38E+00	U
WS	01	332161001	8/20/2013	Mn-54	1.98E-01	6.38E-01	2.12E+00	U
WS	01	332161001	8/20/2013	Nb-95	4.71E-01	6.50E-01	2.17E+00	U
WS	01	332161001	8/20/2013	Pb-212	1.98E+00	1.78E+00	4.00E+00	U
WS	01	332161001	8/20/2013	Pb-214	3.12E+00	2.12E+00	5.44E+00	U
WS	01	332161001	8/20/2013	Ru-103	-1.41E+00	7.84E-01	2.15E+00	U
WS	01	332161001	8/20/2013	Ru-106	3.69E+00	5.83E+00	1.97E+01	U
WS	01	332161001	8/20/2013	Sb-124	-1.21E+00	1.67E+00	5.13E+00	U
WS	01	332161001	8/20/2013	Sb-125	-2.03E+00	1.77E+00	5.36E+00	U
WS	01	332161001	8/20/2013	Se-75	-9.82E-01	9.05E-01	2.86E+00	U
WS	01	332161001	8/20/2013	Th-228	1.98E+00	1.78E+00	4.00E+00	U
WS	01	332161001	8/20/2013	Zn-65	1.88E+00	1.90E+00	4.57E+00	U
WS	01	332161001	8/20/2013	Zr-95	1.10E+00	1.17E+00	3.83E+00	U
WS	01	334040001	9/18/2013	Ac-228	-5.26E+00	3.46E+00	7.19E+00	U
WS	01	334040001	9/18/2013	Ag-108m	-1.59E-01	4.67E-01	1.52E+00	U
WS	01	334040001	9/18/2013	Ag-110m	-1.72E+00	7.54E-01	1.56E+00	U
WS	01	334040001	9/18/2013	Ba-140	-1.75E+00	1.18E+00	2.74E+00	U
WS	01	334040001	9/18/2013	Be-7	-1.01E+01	5.33E+00	1.48E+01	U
WS	01	334040001	9/18/2013	Bi-214	1.67E+00	1.74E+00	4.08E+00	U
WS	01	334040001	9/18/2013	Ce-141	3.57E-01	1.03E+00	3.03E+00	U
WS	01	334040001	9/18/2013	Ce-144	1.19E+00	3.43E+00	1.13E+01	U
WS	01	334040001	9/18/2013	Co-57	-3.13E-01	5.07E-01	1.47E+00	U
WS	01	334040001	9/18/2013	Co-58	7.19E-01	5.31E-01	1.76E+00	U
WS	01	334040001	9/18/2013	Co-60	4.56E-01	5.67E-01	1.85E+00	U
WS	01	334040001	9/18/2013	Cr-51	-2.68E-01	5.03E+00	1.69E+01	U
WS	01	334040001	9/18/2013	Cs-134	2.20E-01	6.52E-01	1.91E+00	U

Seabrook REMP Summary of 2013 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
WS	01	334040001	9/18/2013	Cs-137	1.08E+00	6.40E-01	1.98E+00	U
WS	01	334040001	9/18/2013	Fe-59	3.08E+00	1.43E+00	3.92E+00	U
WS	01	334040001	9/18/2013	I-131	-2.82E-01	1.06E+00	3.51E+00	U
WS	01	334040001	9/18/2013	K-40	3.21E+02	2.33E+01	1.72E+01	
WS	01	334040001	9/18/2013	La-140	-1.75E+00	1.18E+00	2.74E+00	U
WS	01	334040001	9/18/2013	Mn-54	2.21E-01	5.11E-01	1.71E+00	U
WS	01	334040001	9/18/2013	Nb-95	6.51E-01	5.16E-01	1.72E+00	U
WS	01	334040001	9/18/2013	Pb-212	1.61E+00	1.79E+00	3.57E+00	U
WS	01	334040001	9/18/2013	Pb-214	-2.57E+00	2.05E+00	4.01E+00	U
WS	01	334040001	9/18/2013	Ru-103	1.04E+00	6.72E-01	1.91E+00	U
WS	01	334040001	9/18/2013	Ru-106	-6.46E-01	4.74E+00	1.52E+01	U
WS	01	334040001	9/18/2013	Sb-124	1.70E+00	1.36E+00	4.55E+00	U
WS	01	334040001	9/18/2013	Sb-125	-1.60E+00	1.45E+00	4.49E+00	U
WS	01	334040001	9/18/2013	Se-75	5.37E-01	7.36E-01	2.33E+00	U
WS	01	334040001	9/18/2013	Th-228	1.61E+00	1.79E+00	3.57E+00	U
WS	01	334040001	9/18/2013	Zn-65	9.99E-02	1.32E+00	3.88E+00	U
WS	01	334040001	9/18/2013	Zr-95	-6.28E-02	9.33E-01	3.12E+00	U
WS	01	336547001	9/18/2013	H-3	-8.23E+01	1.17E+02	3.96E+02	U
WS	01	336325001	10/21/2013	Ac-228	-5.91E+00	5.07E+00	1.02E+01	U
WS	01	336325001	10/21/2013	Ag-108m	-9.22E-02	5.62E-01	1.86E+00	U
WS	01	336325001	10/21/2013	Ag-110m	-5.08E-01	7.49E-01	2.00E+00	U
WS	01	336325001	10/21/2013	Ba-140	-5.83E-01	1.22E+00	3.91E+00	U
WS	01	336325001	10/21/2013	Be-7	3.67E+00	5.69E+00	1.89E+01	U
WS	01	336325001	10/21/2013	Bi-214	4.40E+00	2.65E+00	6.08E+00	U
WS	01	336325001	10/21/2013	Ce-141	-1.32E-01	1.38E+00	3.21E+00	U
WS	01	336325001	10/21/2013	Ce-144	-7.22E-01	3.34E+00	1.11E+01	U
WS	01	336325001	10/21/2013	Co-57	7.86E-01	4.62E-01	1.46E+00	U
WS	01	336325001	10/21/2013	Co-58	-7.00E-01	7.31E-01	2.30E+00	U
WS	01	336325001	10/21/2013	Co-60	1.16E+00	5.95E-01	2.51E+00	U
WS	01	336325001	10/21/2013	Cr-51	3.98E+00	6.05E+00	2.05E+01	U
WS	01	336325001	10/21/2013	Cs-134	3.40E-01	7.75E-01	2.62E+00	U
WS	01	336325001	10/21/2013	Cs-137	1.90E+00	8.05E-01	2.05E+00	U
WS	01	336325001	10/21/2013	Fe-59	1.96E-01	1.56E+00	5.12E+00	U
WS	01	336325001	10/21/2013	I-131	-5.58E-01	1.19E+00	3.93E+00	U
WS	01	336325001	10/21/2013	K-40	2.91E+02	2.37E+01	2.12E+01	
WS	01	336325001	10/21/2013	La-140	-5.83E-01	1.22E+00	3.91E+00	U
WS	01	336325001	10/21/2013	Mn-54	-3.88E-01	6.74E-01	2.18E+00	U
WS	01	336325001	10/21/2013	Nb-95	-3.68E-01	6.95E-01	2.28E+00	U
WS	01	336325001	10/21/2013	Pb-212	3.43E-01	2.03E+00	3.68E+00	U
WS	01	336325001	10/21/2013	Pb-214	8.75E-01	2.83E+00	5.52E+00	U
WS	01	336325001	10/21/2013	Ru-103	-4.78E-01	8.11E-01	2.26E+00	U
WS	01	336325001	10/21/2013	Ru-106	7.71E+00	6.47E+00	2.08E+01	U
WS	01	336325001	10/21/2013	Sb-124	-1.02E+00	1.89E+00	5.99E+00	U
WS	01	336325001	10/21/2013	Sb-125	-1.60E+00	1.76E+00	5.59E+00	U
WS	01	336325001	10/21/2013	Se-75	4.21E-01	8.23E-01	2.64E+00	U
WS	01	336325001	10/21/2013	Th-228	3.43E-01	2.03E+00	3.68E+00	U
WS	01	336325001	10/21/2013	Zn-65	1.14E+00	1.88E+00	5.40E+00	U
WS	01	336325001	10/21/2013	Zr-95	-1.42E+00	1.26E+00	3.91E+00	U
WS	01	337912001	11/13/2013	Ac-228	1.80E+00	2.87E+00	9.61E+00	U
WS	01	337912001	11/13/2013	Ag-108m	4.29E-01	6.09E-01	2.05E+00	U
WS	01	337912001	11/13/2013	Ag-110m	-1.63E-01	6.65E-01	2.13E+00	U

Seabrook REMP Summary of 2013 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
WS	01	337912001	11/13/2013	Ba-140	-1.54E+00	1.27E+00	3.63E+00	U
WS	01	337912001	11/13/2013	Be-7	-2.02E-01	5.71E+00	1.90E+01	U
WS	01	337912001	11/13/2013	Bi-214	1.45E+00	2.42E+00	4.37E+00	U
WS	01	337912001	11/13/2013	Ce-141	7.71E-01	1.10E+00	3.73E+00	U
WS	01	337912001	11/13/2013	Ce-144	1.76E+00	4.10E+00	1.31E+01	U
WS	01	337912001	11/13/2013	Co-57	-4.59E-01	5.20E-01	1.60E+00	U
WS	01	337912001	11/13/2013	Co-58	8.20E-01	8.01E-01	2.69E+00	U
WS	01	337912001	11/13/2013	Co-60	-3.38E-01	8.30E-01	2.70E+00	U
WS	01	337912001	11/13/2013	Cr-51	3.71E+00	7.54E+00	2.16E+01	U
WS	01	337912001	11/13/2013	Cs-134	-2.39E-01	8.22E-01	2.72E+00	U
WS	01	337912001	11/13/2013	Cs-137	6.81E-01	7.29E-01	2.39E+00	U
WS	01	337912001	11/13/2013	Fe-59	-1.04E+00	1.69E+00	5.28E+00	U
WS	01	337912001	11/13/2013	I-131	9.63E-02	1.50E+00	4.83E+00	U
WS	01	337912001	11/13/2013	K-40	3.06E+02	2.80E+01	2.27E+01	
WS	01	337912001	11/13/2013	La-140	-1.54E+00	1.27E+00	3.63E+00	U
WS	01	337912001	11/13/2013	Mn-54	-5.15E-01	8.07E-01	2.21E+00	U
WS	01	337912001	11/13/2013	Nb-95	1.01E+00	7.88E-01	2.64E+00	U
WS	01	337912001	11/13/2013	Pb-212	3.89E+00	2.26E+00	4.40E+00	U
WS	01	337912001	11/13/2013	Pb-214	3.16E+00	2.04E+00	5.21E+00	U
WS	01	337912001	11/13/2013	Ru-103	6.14E-01	7.60E-01	2.53E+00	U
WS	01	337912001	11/13/2013	Ru-106	-1.11E+01	7.96E+00	1.96E+01	U
WS	01	337912001	11/13/2013	Sb-124	-1.58E-01	1.94E+00	6.27E+00	U
WS	01	337912001	11/13/2013	Sb-125	3.78E-01	1.87E+00	5.94E+00	U
WS	01	337912001	11/13/2013	Se-75	-1.13E+00	1.15E+00	2.90E+00	U
WS	01	337912001	11/13/2013	Th-228	3.89E+00	2.26E+00	4.40E+00	U
WS	01	337912001	11/13/2013	Zn-65	-1.69E+00	1.75E+00	5.29E+00	U
WS	01	337912001	11/13/2013	Zr-95	-2.65E+00	1.42E+00	3.95E+00	U
WS	01	339507001	12/13/2013	Ac-228	4.42E+00	7.52E+00	2.54E+01	U
WS	01	339507001	12/13/2013	Ag-108m	-1.75E-01	1.39E+00	4.61E+00	U
WS	01	339507001	12/13/2013	Ag-110m	5.76E-02	1.65E+00	4.71E+00	U
WS	01	339507001	12/13/2013	Ba-140	3.53E+00	2.59E+00	9.26E+00	U
WS	01	339507001	12/13/2013	Be-7	1.82E+01	1.34E+01	4.56E+01	U
WS	01	339507001	12/13/2013	Bi-214	8.18E+00	5.61E+00	1.07E+01	U
WS	01	339507001	12/13/2013	Ce-141	-2.63E+00	2.92E+00	9.05E+00	U
WS	01	339507001	12/13/2013	Ce-144	8.54E-01	1.07E+01	3.51E+01	U
WS	01	339507001	12/13/2013	Co-57	-2.56E-01	1.36E+00	4.42E+00	U
WS	01	339507001	12/13/2013	Co-58	-1.27E+00	1.45E+00	4.24E+00	U
WS	01	339507001	12/13/2013	Co-60	6.45E-01	1.35E+00	4.69E+00	U
WS	01	339507001	12/13/2013	Cr-51	-1.34E+01	1.26E+01	3.88E+01	U
WS	01	339507001	12/13/2013	Cs-134	8.80E-01	1.55E+00	5.23E+00	U
WS	01	339507001	12/13/2013	Cs-137	1.15E-01	1.68E+00	4.82E+00	U
WS	01	339507001	12/13/2013	Fe-59	-8.38E-01	2.65E+00	8.58E+00	U
WS	01	339507001	12/13/2013	I-131	-1.05E+00	2.38E+00	7.78E+00	U
WS	01	339507001	12/13/2013	K-40	3.38E+02	4.59E+01	4.72E+01	
WS	01	339507001	12/13/2013	La-140	3.53E+00	2.59E+00	9.26E+00	U
WS	01	339507001	12/13/2013	Mn-54	-3.21E-01	1.40E+00	4.47E+00	U
WS	01	339507001	12/13/2013	Nb-95	-2.01E+00	1.71E+00	4.88E+00	U
WS	01	339507001	12/13/2013	Pb-212	6.34E+00	3.44E+00	9.89E+00	U
WS	01	339507001	12/13/2013	Pb-214	7.15E+00	4.29E+00	1.37E+01	U
WS	01	339507001	12/13/2013	Ru-103	-1.15E+00	1.55E+00	4.82E+00	U
WS	01	339507001	12/13/2013	Ru-106	3.55E+00	1.54E+01	5.13E+01	U

Seabrook REMP Summary of 2013 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
WS	01	339507001	12/13/2013	Sb-124	-3.29E+00	3.90E+00	1.13E+01	U
WS	01	339507001	12/13/2013	Sb-125	-2.97E+00	4.33E+00	1.38E+01	U
WS	01	339507001	12/13/2013	Se-75	5.03E+00	2.45E+00	6.93E+00	U
WS	01	339507001	12/13/2013	Th-228	6.34E+00	3.44E+00	9.89E+00	U
WS	01	339507001	12/13/2013	Zn-65	-1.27E-01	2.90E+00	8.34E+00	U
WS	01	339507001	12/13/2013	Zr-95	-5.79E+00	3.33E+00	6.44E+00	U
WS	01	341532001	12/13/2013	H-3	-1.13E+02	1.12E+02	3.83E+02	U
WS	02	326955004	5/22/2013	Ac-228	1.54E+00	3.80E+00	5.59E+00	U
WS	02	326955004	5/22/2013	Ag-108m	8.93E-02	4.34E-01	1.47E+00	U
WS	02	326955004	5/22/2013	Ag-110m	-2.69E-01	5.44E-01	1.52E+00	U
WS	02	326955004	5/22/2013	Ba-140	-2.13E+00	1.96E+00	4.90E+00	U
WS	02	326955004	5/22/2013	Be-7	5.23E-01	5.04E+00	1.70E+01	U
WS	02	326955004	5/22/2013	Bi-214	-8.19E-01	1.66E+00	3.96E+00	U
WS	02	326955004	5/22/2013	Ce-141	2.18E+00	1.30E+00	3.98E+00	U
WS	02	326955004	5/22/2013	Ce-144	7.29E+00	3.87E+00	1.20E+01	U
WS	02	326955004	5/22/2013	Co-57	3.97E-01	4.52E-01	1.51E+00	U
WS	02	326955004	5/22/2013	Co-58	-1.26E+00	7.92E-01	1.80E+00	U
WS	02	326955004	5/22/2013	Co-60	1.23E+00	6.35E-01	2.02E+00	U
WS	02	326955004	5/22/2013	Cr-51	-5.95E+00	6.61E+00	2.06E+01	U
WS	02	326955004	5/22/2013	Cs-134	9.86E-02	5.39E-01	1.77E+00	U
WS	02	326955004	5/22/2013	Cs-137	0.00E+00	8.16E-01	1.62E+00	U
WS	02	326955004	5/22/2013	Fe-59	-2.27E+00	1.61E+00	3.96E+00	U
WS	02	326955004	5/22/2013	H-3	-3.07E+01	1.78E+02	5.90E+02	U
WS	02	326955004	5/22/2013	I-131	-2.54E+00	2.75E+00	8.47E+00	U
WS	02	326955004	5/22/2013	K-40	1.85E+02	1.64E+01	1.62E+01	
WS	02	326955004	5/22/2013	La-140	-2.13E+00	1.96E+00	4.90E+00	U
WS	02	326955004	5/22/2013	Mn-54	-2.91E-01	4.81E-01	1.52E+00	U
WS	02	326955004	5/22/2013	Nb-95	1.04E+00	6.27E-01	1.99E+00	U
WS	02	326955004	5/22/2013	Pb-212	1.11E-02	1.86E+00	3.63E+00	U
WS	02	326955004	5/22/2013	Pb-214	-2.83E+00	1.89E+00	4.09E+00	U
WS	02	326955004	5/22/2013	Ru-103	-7.06E-01	6.91E-01	2.20E+00	U
WS	02	326955004	5/22/2013	Ru-106	3.87E+00	4.64E+00	1.54E+01	U
WS	02	326955004	5/22/2013	Sb-124	-7.15E-01	1.33E+00	4.18E+00	U
WS	02	326955004	5/22/2013	Sb-125	-6.72E-01	1.40E+00	4.39E+00	U
WS	02	326955004	5/22/2013	Se-75	1.45E+00	8.31E-01	2.56E+00	U
WS	02	326955004	5/22/2013	Th-228	1.11E-02	1.86E+00	3.63E+00	U
WS	02	326955004	5/22/2013	Zn-65	-1.35E+00	1.20E+00	3.75E+00	U
WS	02	326955004	5/22/2013	Zr-95	-1.98E+00	1.11E+00	3.11E+00	U
WS	02	338089001	11/20/2013	Ac-228	2.71E+00	4.20E+00	6.41E+00	U
WS	02	338089001	11/20/2013	Ag-108m	-3.06E-01	6.57E-01	1.80E+00	U
WS	02	338089001	11/20/2013	Ag-110m	-4.19E-02	6.29E-01	1.81E+00	U
WS	02	338089001	11/20/2013	Ba-140	-1.62E-01	8.98E-01	2.92E+00	U
WS	02	338089001	11/20/2013	Be-7	1.37E+00	5.27E+00	1.70E+01	U
WS	02	338089001	11/20/2013	Bi-214	8.20E-01	2.53E+00	3.94E+00	U
WS	02	338089001	11/20/2013	Ce-141	-8.50E-02	1.08E+00	3.64E+00	U
WS	02	338089001	11/20/2013	Ce-144	-5.73E+00	4.23E+00	1.33E+01	U
WS	02	338089001	11/20/2013	Co-57	7.80E-01	5.64E-01	1.85E+00	U
WS	02	338089001	11/20/2013	Co-58	5.21E-01	5.74E-01	1.91E+00	U
WS	02	338089001	11/20/2013	Co-60	3.64E-01	6.43E-01	2.18E+00	U
WS	02	338089001	11/20/2013	Cr-51	2.14E+00	5.56E+00	1.83E+01	U
WS	02	338089001	11/20/2013	Cs-134	-4.74E-01	6.72E-01	2.12E+00	U

Seabrook REMP Summary of 2013 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
WS	02	338089001	11/20/2013	Cs-137	1.78E-01	8.93E-01	2.01E+00	U
WS	02	338089001	11/20/2013	Fe-59	-1.81E-01	1.29E+00	4.11E+00	U
WS	02	338089001	11/20/2013	I-131	9.80E-01	1.15E+00	3.30E+00	U
WS	02	338089001	11/20/2013	K-40	2.34E+02	2.18E+01	1.65E+01	
WS	02	338089001	11/20/2013	La-140	-1.62E-01	8.98E-01	2.92E+00	U
WS	02	338089001	11/20/2013	Mn-54	1.25E-02	5.59E-01	1.83E+00	U
WS	02	338089001	11/20/2013	Nb-95	1.82E-01	5.78E-01	1.92E+00	U
WS	02	338089001	11/20/2013	Pb-212	9.88E-02	1.73E+00	4.28E+00	U
WS	02	338089001	11/20/2013	Pb-214	-1.65E+00	2.17E+00	5.02E+00	U
WS	02	338089001	11/20/2013	Ru-103	-6.34E-01	6.44E-01	2.06E+00	U
WS	02	338089001	11/20/2013	Ru-106	4.92E+00	5.21E+00	1.75E+01	U
WS	02	338089001	11/20/2013	Sb-124	-9.58E-01	1.44E+00	3.89E+00	U
WS	02	338089001	11/20/2013	Sb-125	3.08E-01	1.78E+00	5.77E+00	U
WS	02	338089001	11/20/2013	Se-75	-4.53E-01	8.17E-01	2.64E+00	U
WS	02	338089001	11/20/2013	Th-228	9.88E-02	1.73E+00	4.28E+00	U
WS	02	338089001	11/20/2013	Zn-65	-1.64E+00	1.52E+00	3.74E+00	U
WS	02	338089001	11/20/2013	Zr-95	6.48E-01	9.96E-01	3.33E+00	U
WS	02	343595001	11/20/2013	H-3	-1.51E+02	1.41E+02	4.82E+02	U
WS	51	319591002	1/29/2013	Ac-228	-5.31E-03	3.63E+00	8.42E+00	U
WS	51	319591002	1/29/2013	Ag-108m	-1.81E-01	4.88E-01	1.63E+00	U
WS	51	319591002	1/29/2013	Ag-110m	-7.58E-01	6.14E-01	1.59E+00	U
WS	51	319591002	1/29/2013	Ba-140	-9.18E-01	9.09E-01	2.83E+00	U
WS	51	319591002	1/29/2013	Be-7	5.80E+00	4.95E+00	1.64E+01	U
WS	51	319591002	1/29/2013	Bi-214	7.85E-01	2.32E+00	3.42E+00	U
WS	51	319591002	1/29/2013	Ce-141	3.47E-01	1.69E+00	3.30E+00	U
WS	51	319591002	1/29/2013	Ce-144	-5.22E+00	3.82E+00	1.21E+01	U
WS	51	319591002	1/29/2013	Co-57	3.73E-01	5.13E-01	1.62E+00	U
WS	51	319591002	1/29/2013	Co-58	2.97E-01	3.95E-01	1.62E+00	U
WS	51	319591002	1/29/2013	Co-60	-2.38E-01	5.93E-01	1.90E+00	U
WS	51	319591002	1/29/2013	Cr-51	-5.16E+00	5.62E+00	1.76E+01	U
WS	51	319591002	1/29/2013	Cs-134	1.17E+00	6.49E-01	2.02E+00	U
WS	51	319591002	1/29/2013	Cs-137	1.28E+00	7.60E-01	1.74E+00	U
WS	51	319591002	1/29/2013	Fe-59	3.82E+00	2.02E+00	3.99E+00	U
WS	51	319591002	1/29/2013	I-131	-1.79E-01	1.05E+00	3.38E+00	U
WS	51	319591002	1/29/2013	K-40	3.48E+02	2.40E+01	1.81E+01	
WS	51	319591002	1/29/2013	La-140	-9.18E-01	9.09E-01	2.83E+00	U
WS	51	319591002	1/29/2013	Mn-54	-3.21E-01	5.34E-01	1.68E+00	U
WS	51	319591002	1/29/2013	Nb-95	1.94E-01	5.45E-01	1.79E+00	U
WS	51	319591002	1/29/2013	Pb-212	3.95E+00	2.24E+00	4.07E+00	U
WS	51	319591002	1/29/2013	Pb-214	-4.09E+00	2.83E+00	4.67E+00	U
WS	51	319591002	1/29/2013	Ru-103	2.28E-01	6.50E-01	1.91E+00	U
WS	51	319591002	1/29/2013	Ru-106	-1.47E+00	5.64E+00	1.60E+01	U
WS	51	319591002	1/29/2013	Sb-124	-4.87E-01	1.18E+00	3.82E+00	U
WS	51	319591002	1/29/2013	Sb-125	-3.39E-01	1.61E+00	5.12E+00	U
WS	51	319591002	1/29/2013	Se-75	2.77E-01	7.88E-01	2.60E+00	U
WS	51	319591002	1/29/2013	Th-228	3.95E+00	2.24E+00	4.07E+00	U
WS	51	319591002	1/29/2013	Zn-65	-3.55E-01	1.35E+00	3.80E+00	U
WS	51	319591002	1/29/2013	Zr-95	-7.59E-03	9.44E-01	3.07E+00	U
WS	51	320917002	2/19/2013	Ac-228	2.33E+00	3.71E+00	6.09E+00	U
WS	51	320917002	2/19/2013	Ag-108m	-3.96E-01	4.03E-01	1.27E+00	U
WS	51	320917002	2/19/2013	Ag-110m	-4.47E-01	4.36E-01	1.33E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
WS	51	320917002	2/19/2013	Ba-140	-6.78E-01	7.84E-01	2.50E+00	U
WS	51	320917002	2/19/2013	Be-7	1.55E+00	3.97E+00	1.30E+01	U
WS	51	320917002	2/19/2013	Bi-214	-6.25E-01	1.69E+00	3.27E+00	U
WS	51	320917002	2/19/2013	Ce-141	1.48E+00	1.06E+00	2.93E+00	U
WS	51	320917002	2/19/2013	Ce-144	1.70E-01	3.33E+00	1.02E+01	U
WS	51	320917002	2/19/2013	Co-57	1.17E+00	5.53E-01	1.38E+00	U
WS	51	320917002	2/19/2013	Co-58	-1.21E-01	3.94E-01	1.31E+00	U
WS	51	320917002	2/19/2013	Co-60	7.28E-01	4.81E-01	1.54E+00	U
WS	51	320917002	2/19/2013	Cr-51	-4.84E+00	4.67E+00	1.49E+01	U
WS	51	320917002	2/19/2013	Cs-134	6.31E-01	5.20E-01	1.52E+00	U
WS	51	320917002	2/19/2013	Cs-137	8.82E-02	4.58E-01	1.48E+00	U
WS	51	320917002	2/19/2013	Fe-59	-2.83E-01	9.08E-01	2.96E+00	U
WS	51	320917002	2/19/2013	I-131	-7.32E-01	9.64E-01	3.11E+00	U
WS	51	320917002	2/19/2013	K-40	3.45E+02	2.07E+01	1.16E+01	
WS	51	320917002	2/19/2013	La-140	-6.78E-01	7.84E-01	2.50E+00	U
WS	51	320917002	2/19/2013	Mn-54	-1.34E-01	3.99E-01	1.32E+00	U
WS	51	320917002	2/19/2013	Nb-95	6.65E-01	4.60E-01	1.51E+00	U
WS	51	320917002	2/19/2013	Pb-212	7.47E-01	1.52E+00	3.21E+00	U
WS	51	320917002	2/19/2013	Pb-214	-2.50E+00	1.96E+00	3.48E+00	U
WS	51	320917002	2/19/2013	Ru-103	3.14E-01	5.32E-01	1.53E+00	U
WS	51	320917002	2/19/2013	Ru-106	3.10E+00	3.90E+00	1.26E+01	U
WS	51	320917002	2/19/2013	Sb-124	3.72E-01	9.03E-01	3.06E+00	U
WS	51	320917002	2/19/2013	Sb-125	-1.44E-01	1.23E+00	4.06E+00	U
WS	51	320917002	2/19/2013	Se-75	2.11E-01	6.23E-01	2.10E+00	U
WS	51	320917002	2/19/2013	Th-228	7.47E-01	1.52E+00	3.21E+00	U
WS	51	320917002	2/19/2013	Zn-65	3.94E-01	9.64E-01	2.79E+00	U
WS	51	320917002	2/19/2013	Zr-95	7.91E-01	7.83E-01	2.63E+00	U
WS	51	322541002	3/21/2013	Ac-228	2.87E+00	2.32E+00	6.00E+00	U
WS	51	322541002	3/21/2013	Ag-108m	-5.62E-01	4.63E-01	1.29E+00	U
WS	51	322541002	3/21/2013	Ag-110m	-5.38E-01	4.03E-01	1.24E+00	U
WS	51	322541002	3/21/2013	Ba-140	1.56E-01	7.13E-01	2.39E+00	U
WS	51	322541002	3/21/2013	Be-7	-6.03E-01	3.91E+00	1.27E+01	U
WS	51	322541002	3/21/2013	Bi-214	-2.00E+00	2.23E+00	3.50E+00	U
WS	51	322541002	3/21/2013	Ce-141	2.07E+00	1.43E+00	2.72E+00	U
WS	51	322541002	3/21/2013	Ce-144	-3.47E+00	3.44E+00	1.05E+01	U
WS	51	322541002	3/21/2013	Co-57	-2.01E-02	4.53E-01	1.45E+00	U
WS	51	322541002	3/21/2013	Co-58	2.11E-01	4.29E-01	1.44E+00	U
WS	51	322541002	3/21/2013	Co-60	-8.84E-02	4.89E-01	1.56E+00	U
WS	51	322541002	3/21/2013	Cr-51	-6.41E+00	4.61E+00	1.41E+01	U
WS	51	322541002	3/21/2013	Cs-134	2.21E-01	4.60E-01	1.55E+00	U
WS	51	322541002	3/21/2013	Cs-137	1.32E-01	4.15E-01	1.41E+00	U
WS	51	322541002	3/21/2013	Fe-59	-1.11E+00	1.12E+00	2.92E+00	U
WS	51	322541002	3/21/2013	I-131	-1.09E+00	8.18E-01	2.49E+00	U
WS	51	322541002	3/21/2013	K-40	2.58E+02	1.85E+01	1.46E+01	
WS	51	322541002	3/21/2013	La-140	1.56E-01	7.13E-01	2.39E+00	U
WS	51	322541002	3/21/2013	Mn-54	0.00E+00	4.79E-01	1.21E+00	U
WS	51	322541002	3/21/2013	Nb-95	4.27E-01	4.40E-01	1.47E+00	U
WS	51	322541002	3/21/2013	Pb-212	-1.55E+00	1.49E+00	3.14E+00	U
WS	51	322541002	3/21/2013	Pb-214	-3.63E+00	1.85E+00	3.64E+00	U
WS	51	322541002	3/21/2013	Ru-103	-1.17E+00	5.78E-01	1.56E+00	U
WS	51	322541002	3/21/2013	Ru-106	1.16E+00	4.11E+00	1.32E+01	U

Seabrook REMP Summary of 2013 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
WS	51	322541002	3/21/2013	Sb-124	5.36E-02	1.06E+00	3.52E+00	U
WS	51	322541002	3/21/2013	Sb-125	-1.98E+00	1.30E+00	3.84E+00	U
WS	51	322541002	3/21/2013	Se-75	1.18E+00	6.79E-01	2.13E+00	U
WS	51	322541002	3/21/2013	Th-228	-1.55E+00	1.49E+00	3.14E+00	U
WS	51	322541002	3/21/2013	Zn-65	-9.53E-01	1.10E+00	2.90E+00	U
WS	51	322541002	3/21/2013	Zr-95	7.83E-01	7.56E-01	2.52E+00	U
WS	51	324992002	3/21/2013	H-3	9.04E+01	1.58E+02	5.06E+02	U
WS	51	324222002	4/16/2013	Ac-228	-3.13E+00	3.73E+00	7.04E+00	U
WS	51	324222002	4/16/2013	Ag-108m	6.39E-01	4.64E-01	1.52E+00	U
WS	51	324222002	4/16/2013	Ag-110m	-5.74E-01	5.06E-01	1.51E+00	U
WS	51	324222002	4/16/2013	Ba-140	-2.87E-01	8.53E-01	2.63E+00	U
WS	51	324222002	4/16/2013	Be-7	1.19E+00	4.10E+00	1.36E+01	U
WS	51	324222002	4/16/2013	Bi-214	0.00E+00	2.28E+00	3.27E+00	U
WS	51	324222002	4/16/2013	Ce-141	8.83E-01	8.87E-01	2.92E+00	U
WS	51	324222002	4/16/2013	Ce-144	2.65E+00	3.27E+00	1.09E+01	U
WS	51	324222002	4/16/2013	Co-57	4.25E-02	4.97E-01	1.50E+00	U
WS	51	324222002	4/16/2013	Co-58	-1.08E+00	6.88E-01	1.58E+00	U
WS	51	324222002	4/16/2013	Co-60	-4.81E-01	6.23E-01	1.69E+00	U
WS	51	324222002	4/16/2013	Cr-51	-2.10E+00	4.73E+00	1.59E+01	U
WS	51	324222002	4/16/2013	Cs-134	4.14E-01	6.21E-01	1.85E+00	U
WS	51	324222002	4/16/2013	Cs-137	5.44E-01	5.30E-01	1.72E+00	U
WS	51	324222002	4/16/2013	Fe-59	-1.13E+00	1.12E+00	3.42E+00	U
WS	51	324222002	4/16/2013	I-131	-3.26E-01	8.32E-01	2.77E+00	U
WS	51	324222002	4/16/2013	K-40	2.32E+02	2.07E+01	1.79E+01	
WS	51	324222002	4/16/2013	La-140	-2.87E-01	8.53E-01	2.63E+00	U
WS	51	324222002	4/16/2013	Mn-54	-5.20E-01	5.09E-01	1.59E+00	U
WS	51	324222002	4/16/2013	Nb-95	1.80E-01	4.94E-01	1.68E+00	U
WS	51	324222002	4/16/2013	Pb-212	-2.89E+00	1.64E+00	3.31E+00	U
WS	51	324222002	4/16/2013	Pb-214	-1.93E+00	1.67E+00	3.99E+00	U
WS	51	324222002	4/16/2013	Ru-103	1.11E-02	5.34E-01	1.76E+00	U
WS	51	324222002	4/16/2013	Ru-106	5.13E+00	4.61E+00	1.45E+01	U
WS	51	324222002	4/16/2013	Sb-124	2.26E+00	1.32E+00	4.38E+00	U
WS	51	324222002	4/16/2013	Sb-125	-1.03E-01	1.29E+00	4.28E+00	U
WS	51	324222002	4/16/2013	Se-75	-6.74E-01	7.05E-01	2.15E+00	U
WS	51	324222002	4/16/2013	Th-228	-2.89E+00	1.64E+00	3.31E+00	U
WS	51	324222002	4/16/2013	Zn-65	-1.10E+00	1.25E+00	3.24E+00	U
WS	51	324222002	4/16/2013	Zr-95	-1.65E+00	9.59E-01	2.77E+00	U
WS	51	326955002	5/21/2013	Ac-228	1.18E+00	3.53E+00	7.01E+00	U
WS	51	326955002	5/21/2013	Ag-108m	6.32E-01	5.20E-01	1.70E+00	U
WS	51	326955002	5/21/2013	Ag-110m	-2.82E+00	8.98E-01	1.73E+00	U
WS	51	326955002	5/21/2013	Ba-140	-4.89E+00	2.14E+00	5.30E+00	U
WS	51	326955002	5/21/2013	Be-7	-1.42E+00	5.62E+00	1.84E+01	U
WS	51	326955002	5/21/2013	Bi-214	-5.05E+00	2.12E+00	3.85E+00	U
WS	51	326955002	5/21/2013	Ce-141	1.69E+00	2.07E+00	4.38E+00	U
WS	51	326955002	5/21/2013	Ce-144	-3.45E+00	4.12E+00	1.31E+01	U
WS	51	326955002	5/21/2013	Co-57	-2.11E-01	5.29E-01	1.73E+00	U
WS	51	326955002	5/21/2013	Co-58	-9.24E-01	7.63E-01	1.89E+00	U
WS	51	326955002	5/21/2013	Co-60	-3.26E-01	5.99E-01	1.89E+00	U
WS	51	326955002	5/21/2013	Cr-51	2.73E+00	7.28E+00	2.45E+01	U
WS	51	326955002	5/21/2013	Cs-134	-1.15E-03	7.48E-01	1.79E+00	U

Seabrook REMP Summary of 2013 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
WS	51	326955002	5/21/2013	Cs-137	-5.33E-01	9.24E-01	2.34E+00	U
WS	51	326955002	5/21/2013	Fe-59	-1.85E+00	1.53E+00	4.63E+00	U
WS	51	326955002	5/21/2013	I-131	-8.87E-01	3.12E+00	1.04E+01	U
WS	51	326955002	5/21/2013	K-40	3.03E+02	2.05E+01	1.51E+01	
WS	51	326955002	5/21/2013	La-140	-4.89E+00	2.14E+00	5.30E+00	U
WS	51	326955002	5/21/2013	Mn-54	-1.03E+00	6.97E-01	1.76E+00	U
WS	51	326955002	5/21/2013	Nb-95	6.13E-01	7.90E-01	2.11E+00	U
WS	51	326955002	5/21/2013	Pb-212	1.40E+00	1.69E+00	3.43E+00	U
WS	51	326955002	5/21/2013	Pb-214	1.31E+00	1.47E+00	4.28E+00	U
WS	51	326955002	5/21/2013	Ru-103	-9.19E-01	9.17E-01	2.46E+00	U
WS	51	326955002	5/21/2013	Ru-106	6.31E+00	5.32E+00	1.72E+01	U
WS	51	326955002	5/21/2013	Sb-124	1.59E+00	1.41E+00	4.34E+00	U
WS	51	326955002	5/21/2013	Sb-125	-1.68E+00	1.69E+00	5.01E+00	U
WS	51	326955002	5/21/2013	Se-75	7.64E-01	8.65E-01	2.75E+00	U
WS	51	326955002	5/21/2013	Th-228	1.40E+00	1.69E+00	3.43E+00	U
WS	51	326955002	5/21/2013	Zn-65	8.72E-01	1.34E+00	3.87E+00	U
WS	51	326955002	5/21/2013	Zr-95	4.23E-01	1.15E+00	3.54E+00	U
WS	51	328137002	6/18/2013	Ac-228	-1.39E+00	2.95E+00	7.84E+00	U
WS	51	328137002	6/18/2013	Ag-108m	-9.00E-01	7.38E-01	1.60E+00	U
WS	51	328137002	6/18/2013	Ag-110m	-2.09E-01	5.16E-01	1.69E+00	U
WS	51	328137002	6/18/2013	Ba-140	4.14E-01	8.74E-01	2.93E+00	U
WS	51	328137002	6/18/2013	Be-7	8.52E+00	4.99E+00	1.55E+01	U
WS	51	328137002	6/18/2013	Bi-214	1.73E+00	1.52E+00	4.23E+00	U
WS	51	328137002	6/18/2013	Ce-141	1.86E-01	1.05E+00	3.43E+00	U
WS	51	328137002	6/18/2013	Ce-144	-3.67E+00	3.73E+00	1.21E+01	U
WS	51	328137002	6/18/2013	Co-57	4.43E-01	5.04E-01	1.69E+00	U
WS	51	328137002	6/18/2013	Co-58	-6.31E-01	5.49E-01	1.66E+00	U
WS	51	328137002	6/18/2013	Co-60	2.51E-01	5.13E-01	1.74E+00	U
WS	51	328137002	6/18/2013	Cr-51	-5.51E+00	5.59E+00	1.74E+01	U
WS	51	328137002	6/18/2013	Cs-134	-7.88E-01	6.27E-01	1.88E+00	U
WS	51	328137002	6/18/2013	Cs-137	-2.66E-01	5.79E-01	1.89E+00	U
WS	51	328137002	6/18/2013	Fe-59	-7.47E-01	1.27E+00	3.95E+00	U
WS	51	328137002	6/18/2013	I-131	-5.54E-01	1.13E+00	3.61E+00	U
WS	51	328137002	6/18/2013	K-40	2.70E+02	2.17E+01	1.66E+01	
WS	51	328137002	6/18/2013	La-140	4.14E-01	8.74E-01	2.93E+00	U
WS	51	328137002	6/18/2013	Mn-54	1.69E-01	5.34E-01	1.77E+00	U
WS	51	328137002	6/18/2013	Nb-95	5.58E-01	5.78E-01	1.92E+00	U
WS	51	328137002	6/18/2013	Pb-212	2.76E+00	1.88E+00	3.88E+00	U
WS	51	328137002	6/18/2013	Pb-214	1.37E+00	1.59E+00	4.47E+00	U
WS	51	328137002	6/18/2013	Ru-103	-4.77E-01	5.85E-01	1.90E+00	U
WS	51	328137002	6/18/2013	Ru-106	-8.57E+00	5.43E+00	1.60E+01	U
WS	51	328137002	6/18/2013	Sb-124	1.30E+00	1.29E+00	4.35E+00	U
WS	51	328137002	6/18/2013	Sb-125	-4.06E-01	1.49E+00	4.76E+00	U
WS	51	328137002	6/18/2013	Se-75	-1.22E+00	8.08E-01	2.41E+00	U
WS	51	328137002	6/18/2013	Th-228	2.76E+00	1.88E+00	3.88E+00	U
WS	51	328137002	6/18/2013	Zn-65	-3.21E-01	1.14E+00	3.61E+00	U
WS	51	328137002	6/18/2013	Zr-95	1.86E+00	1.55E+00	3.19E+00	U
WS	51	332520002	6/18/2013	H-3	5.93E+01	5.95E+01	1.75E+02	U
WS	51	329947002	7/16/2013	Ac-228	6.59E+00	3.38E+00	1.11E+01	U
WS	51	329947002	7/16/2013	Ag-108m	-3.75E-01	8.68E-01	2.51E+00	U
WS	51	329947002	7/16/2013	Ag-110m	6.86E-01	9.07E-01	2.72E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
WS	51	329947002	7/16/2013	Ba-140	-1.43E+00	1.46E+00	4.19E+00	U
WS	51	329947002	7/16/2013	Be-7	2.30E+00	7.61E+00	2.47E+01	U
WS	51	329947002	7/16/2013	Bi-214	4.69E+00	3.47E+00	7.13E+00	U
WS	51	329947002	7/16/2013	Ce-141	-7.67E-01	1.59E+00	4.97E+00	U
WS	51	329947002	7/16/2013	Ce-144	-1.85E+00	6.51E+00	1.83E+01	U
WS	51	329947002	7/16/2013	Co-57	-8.76E-01	8.29E-01	2.51E+00	U
WS	51	329947002	7/16/2013	Co-58	-4.01E-01	8.39E-01	2.65E+00	U
WS	51	329947002	7/16/2013	Co-60	2.69E-01	9.09E-01	3.05E+00	U
WS	51	329947002	7/16/2013	Cr-51	7.14E+00	8.33E+00	2.77E+01	U
WS	51	329947002	7/16/2013	Cs-134	-6.19E-01	9.18E-01	2.85E+00	U
WS	51	329947002	7/16/2013	Cs-137	1.32E+00	1.58E+00	2.86E+00	U
WS	51	329947002	7/16/2013	Fe-59	-1.76E+00	1.90E+00	5.85E+00	U
WS	51	329947002	7/16/2013	I-131	7.09E-01	1.54E+00	5.09E+00	U
WS	51	329947002	7/16/2013	K-40	3.12E+02	2.73E+01	2.72E+01	
WS	51	329947002	7/16/2013	La-140	-1.43E+00	1.46E+00	4.19E+00	U
WS	51	329947002	7/16/2013	Mn-54	-9.98E-01	8.99E-01	2.65E+00	U
WS	51	329947002	7/16/2013	Nb-95	-5.98E-01	8.52E-01	2.65E+00	U
WS	51	329947002	7/16/2013	Pb-212	1.18E+00	2.81E+00	6.39E+00	U
WS	51	329947002	7/16/2013	Pb-214	-1.52E+00	2.38E+00	6.62E+00	U
WS	51	329947002	7/16/2013	Ru-103	-6.50E-01	9.13E-01	2.78E+00	U
WS	51	329947002	7/16/2013	Ru-106	6.01E+00	9.14E+00	2.73E+01	U
WS	51	329947002	7/16/2013	Sb-124	2.16E+00	2.36E+00	7.99E+00	U
WS	51	329947002	7/16/2013	Sb-125	1.96E+00	2.36E+00	7.75E+00	U
WS	51	329947002	7/16/2013	Se-75	1.46E+00	1.17E+00	4.00E+00	U
WS	51	329947002	7/16/2013	Th-228	1.18E+00	2.81E+00	6.39E+00	U
WS	51	329947002	7/16/2013	Zn-65	-3.09E+00	2.11E+00	6.05E+00	U
WS	51	329947002	7/16/2013	Zr-95	-1.01E+00	1.60E+00	5.03E+00	U
WS	51	332161002	8/19/2013	Ac-228	-4.23E-01	3.47E+00	9.89E+00	U
WS	51	332161002	8/19/2013	Ag-108m	-5.41E-01	6.42E-01	1.76E+00	U
WS	51	332161002	8/19/2013	Ag-110m	-6.38E-01	6.36E-01	1.90E+00	U
WS	51	332161002	8/19/2013	Ba-140	-6.65E-01	9.68E-01	3.01E+00	U
WS	51	332161002	8/19/2013	Be-7	4.76E+00	5.56E+00	1.83E+01	U
WS	51	332161002	8/19/2013	Bi-214	2.69E+00	2.18E+00	5.14E+00	U
WS	51	332161002	8/19/2013	Ce-141	-1.47E+00	1.52E+00	3.49E+00	U
WS	51	332161002	8/19/2013	Ce-144	-2.89E-01	4.03E+00	1.33E+01	U
WS	51	332161002	8/19/2013	Co-57	1.36E+00	6.95E-01	1.73E+00	U
WS	51	332161002	8/19/2013	Co-58	-8.05E-01	7.22E-01	1.88E+00	U
WS	51	332161002	8/19/2013	Co-60	1.81E-01	6.40E-01	2.17E+00	U
WS	51	332161002	8/19/2013	Cr-51	-1.60E+00	5.92E+00	1.98E+01	U
WS	51	332161002	8/19/2013	Cs-134	9.71E-01	7.47E-01	2.49E+00	U
WS	51	332161002	8/19/2013	Cs-137	2.59E-01	7.78E-01	2.20E+00	U
WS	51	332161002	8/19/2013	Fe-59	-7.73E-01	1.24E+00	3.86E+00	U
WS	51	332161002	8/19/2013	I-131	9.09E-01	1.15E+00	3.85E+00	U
WS	51	332161002	8/19/2013	K-40	3.11E+02	2.67E+01	1.83E+01	
WS	51	332161002	8/19/2013	La-140	-6.65E-01	9.68E-01	3.01E+00	U
WS	51	332161002	8/19/2013	Mn-54	-9.01E-01	6.45E-01	1.90E+00	U
WS	51	332161002	8/19/2013	Nb-95	8.40E-01	6.87E-01	2.30E+00	U
WS	51	332161002	8/19/2013	Pb-212	-2.09E-01	1.86E+00	4.48E+00	U
WS	51	332161002	8/19/2013	Pb-214	1.23E+00	2.38E+00	5.03E+00	U
WS	51	332161002	8/19/2013	Ru-103	3.76E-01	7.42E-01	2.16E+00	U
WS	51	332161002	8/19/2013	Ru-106	6.93E+00	5.86E+00	1.89E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
WS	51	332161002	8/19/2013	Sb-124	9.75E-01	1.53E+00	5.14E+00	U
WS	51	332161002	8/19/2013	Sb-125	4.84E-01	1.66E+00	5.53E+00	U
WS	51	332161002	8/19/2013	Se-75	-3.49E-01	8.51E-01	2.65E+00	U
WS	51	332161002	8/19/2013	Th-228	-2.09E-01	1.86E+00	4.48E+00	U
WS	51	332161002	8/19/2013	Zn-65	-1.98E+00	1.89E+00	4.35E+00	U
WS	51	332161002	8/19/2013	Zr-95	1.68E+00	1.17E+00	3.88E+00	U
WS	51	334040002	9/18/2013	Ac-228	3.54E+00	3.39E+00	6.80E+00	U
WS	51	334040002	9/18/2013	Ag-108m	1.63E-01	4.42E-01	1.50E+00	U
WS	51	334040002	9/18/2013	Ag-110m	-4.87E-02	4.65E-01	1.53E+00	U
WS	51	334040002	9/18/2013	Ba-140	1.15E+00	9.51E-01	3.16E+00	U
WS	51	334040002	9/18/2013	Be-7	-4.05E+00	4.71E+00	1.52E+01	U
WS	51	334040002	9/18/2013	Bi-214	-1.74E+00	1.72E+00	3.92E+00	U
WS	51	334040002	9/18/2013	Ce-141	-2.35E+00	1.62E+00	3.25E+00	U
WS	51	334040002	9/18/2013	Ce-144	-3.77E-01	3.40E+00	1.14E+01	U
WS	51	334040002	9/18/2013	Co-57	3.14E-02	5.05E-01	1.50E+00	U
WS	51	334040002	9/18/2013	Co-58	1.46E-01	5.05E-01	1.66E+00	U
WS	51	334040002	9/18/2013	Co-60	9.24E-01	5.64E-01	1.84E+00	U
WS	51	334040002	9/18/2013	Cr-51	-2.09E+00	5.13E+00	1.64E+01	U
WS	51	334040002	9/18/2013	Cs-134	-2.19E-01	5.75E-01	1.85E+00	U
WS	51	334040002	9/18/2013	Cs-137	-3.88E-01	7.27E-01	1.76E+00	U
WS	51	334040002	9/18/2013	Fe-59	6.59E-01	1.15E+00	3.88E+00	U
WS	51	334040002	9/18/2013	I-131	-9.06E-01	1.16E+00	3.62E+00	U
WS	51	334040002	9/18/2013	K-40	2.79E+02	2.19E+01	1.59E+01	
WS	51	334040002	9/18/2013	La-140	1.15E+00	9.51E-01	3.16E+00	U
WS	51	334040002	9/18/2013	Mn-54	1.38E-03	4.74E-01	1.55E+00	U
WS	51	334040002	9/18/2013	Nb-95	5.55E-01	5.53E-01	1.81E+00	U
WS	51	334040002	9/18/2013	Pb-212	-8.79E-01	1.55E+00	3.37E+00	U
WS	51	334040002	9/18/2013	Pb-214	-3.15E+00	2.04E+00	4.03E+00	U
WS	51	334040002	9/18/2013	Ru-103	-6.02E-01	5.90E-01	1.88E+00	U
WS	51	334040002	9/18/2013	Ru-106	-3.80E+00	4.64E+00	1.48E+01	U
WS	51	334040002	9/18/2013	Sb-124	9.37E-01	1.25E+00	4.17E+00	U
WS	51	334040002	9/18/2013	Sb-125	-1.53E-02	1.41E+00	4.51E+00	U
WS	51	334040002	9/18/2013	Se-75	-1.93E-01	7.28E-01	2.37E+00	U
WS	51	334040002	9/18/2013	Th-228	-8.79E-01	1.55E+00	3.37E+00	U
WS	51	334040002	9/18/2013	Zn-65	8.78E-01	1.16E+00	3.42E+00	U
WS	51	334040002	9/18/2013	Zr-95	5.46E-01	9.56E-01	3.16E+00	U
WS	51	336547002	9/18/2013	H-3	-1.28E+02	1.18E+02	4.05E+02	U
WS	51	336325002	10/21/2013	Ac-228	-1.29E+00	3.31E+00	7.10E+00	U
WS	51	336325002	10/21/2013	Ag-108m	2.96E-02	4.65E-01	1.58E+00	U
WS	51	336325002	10/21/2013	Ag-110m	-5.90E-01	4.99E-01	1.53E+00	U
WS	51	336325002	10/21/2013	Ba-140	1.62E+00	9.17E-01	2.97E+00	U
WS	51	336325002	10/21/2013	Be-7	-4.26E+00	4.54E+00	1.46E+01	U
WS	51	336325002	10/21/2013	Bi-214	0.00E+00	2.34E+00	3.50E+00	U
WS	51	336325002	10/21/2013	Ce-141	-2.68E-01	1.08E+00	3.15E+00	U
WS	51	336325002	10/21/2013	Ce-144	-2.55E+00	3.48E+00	1.14E+01	U
WS	51	336325002	10/21/2013	Co-57	9.04E-01	4.91E-01	1.53E+00	U
WS	51	336325002	10/21/2013	Co-58	-3.61E-01	5.09E-01	1.60E+00	U
WS	51	336325002	10/21/2013	Co-60	-2.26E+00	9.79E-01	1.71E+00	U
WS	51	336325002	10/21/2013	Cr-51	1.41E+00	5.20E+00	1.69E+01	U
WS	51	336325002	10/21/2013	Cs-134	3.27E-01	5.47E-01	1.81E+00	U
WS	51	336325002	10/21/2013	Cs-137	8.95E-01	5.72E-01	1.84E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
WS	51	336325002	10/21/2013	Fe-59	1.02E-01	1.07E+00	3.58E+00	U
WS	51	336325002	10/21/2013	I-131	5.91E-01	1.05E+00	3.39E+00	U
WS	51	336325002	10/21/2013	K-40	3.01E+02	2.16E+01	1.42E+01	
WS	51	336325002	10/21/2013	La-140	1.62E+00	9.17E-01	2.97E+00	U
WS	51	336325002	10/21/2013	Mn-54	4.60E-01	5.06E-01	1.66E+00	U
WS	51	336325002	10/21/2013	Nb-95	6.04E-01	5.72E-01	1.77E+00	U
WS	51	336325002	10/21/2013	Pb-212	2.36E+00	1.56E+00	3.12E+00	U
WS	51	336325002	10/21/2013	Pb-214	0.00E+00	2.41E+00	4.58E+00	U
WS	51	336325002	10/21/2013	Ru-103	-2.84E-01	6.24E-01	1.79E+00	U
WS	51	336325002	10/21/2013	Ru-106	2.08E+00	4.74E+00	1.58E+01	U
WS	51	336325002	10/21/2013	Sb-124	-4.30E-01	1.18E+00	3.75E+00	U
WS	51	336325002	10/21/2013	Sb-125	-1.85E+00	1.56E+00	4.65E+00	U
WS	51	336325002	10/21/2013	Se-75	-1.30E-01	7.05E-01	2.30E+00	U
WS	51	336325002	10/21/2013	Th-228	2.36E+00	1.56E+00	3.12E+00	U
WS	51	336325002	10/21/2013	Zn-65	8.71E-01	1.19E+00	3.51E+00	U
WS	51	336325002	10/21/2013	Zr-95	1.00E+00	1.09E+00	3.15E+00	U
WS	51	337912002	11/15/2013	Ac-228	-3.67E+00	3.46E+00	8.50E+00	U
WS	51	337912002	11/15/2013	Ag-108m	9.20E-02	5.69E-01	1.86E+00	U
WS	51	337912002	11/15/2013	Ag-110m	-5.46E-01	5.92E-01	1.88E+00	U
WS	51	337912002	11/15/2013	Ba-140	5.90E-01	9.94E-01	3.31E+00	U
WS	51	337912002	11/15/2013	Be-7	-2.63E+00	5.29E+00	1.67E+01	U
WS	51	337912002	11/15/2013	Bi-214	-3.79E+00	2.01E+00	4.68E+00	U
WS	51	337912002	11/15/2013	Ce-141	1.23E+00	1.11E+00	3.53E+00	U
WS	51	337912002	11/15/2013	Ce-144	-5.82E-01	4.46E+00	1.28E+01	U
WS	51	337912002	11/15/2013	Co-57	1.05E+00	6.65E-01	1.53E+00	U
WS	51	337912002	11/15/2013	Co-58	1.54E-01	6.13E-01	2.03E+00	U
WS	51	337912002	11/15/2013	Co-60	8.22E-01	7.42E-01	2.19E+00	U
WS	51	337912002	11/15/2013	Cr-51	5.30E+00	5.88E+00	1.94E+01	U
WS	51	337912002	11/15/2013	Cs-134	-3.59E-01	6.82E-01	2.19E+00	U
WS	51	337912002	11/15/2013	Cs-137	5.78E-01	6.29E-01	2.11E+00	U
WS	51	337912002	11/15/2013	Fe-59	-1.76E+00	1.28E+00	3.84E+00	U
WS	51	337912002	11/15/2013	I-131	8.44E-01	1.13E+00	3.74E+00	U
WS	51	337912002	11/15/2013	K-40	3.22E+02	2.39E+01	1.95E+01	
WS	51	337912002	11/15/2013	La-140	5.90E-01	9.94E-01	3.31E+00	U
WS	51	337912002	11/15/2013	Mn-54	-1.09E+00	6.77E-01	1.94E+00	U
WS	51	337912002	11/15/2013	Nb-95	9.54E-01	6.77E-01	2.21E+00	U
WS	51	337912002	11/15/2013	Pb-212	2.11E+00	1.75E+00	4.26E+00	U
WS	51	337912002	11/15/2013	Pb-214	-6.08E+00	2.49E+00	4.65E+00	U
WS	51	337912002	11/15/2013	Ru-103	-2.01E+00	8.27E-01	2.01E+00	U
WS	51	337912002	11/15/2013	Ru-106	6.11E+00	5.60E+00	1.87E+01	U
WS	51	337912002	11/15/2013	Sb-124	3.59E-01	1.46E+00	4.80E+00	U
WS	51	337912002	11/15/2013	Sb-125	-1.94E+00	1.72E+00	5.24E+00	U
WS	51	337912002	11/15/2013	Se-75	-2.00E-01	7.89E-01	2.63E+00	U
WS	51	337912002	11/15/2013	Th-228	2.11E+00	1.75E+00	4.26E+00	U
WS	51	337912002	11/15/2013	Zn-65	-1.29E+00	1.35E+00	4.26E+00	U
WS	51	337912002	11/15/2013	Zr-95	1.05E+00	1.06E+00	3.52E+00	U
WS	51	339507002	12/11/2013	Ac-228	3.26E-01	6.60E+00	2.04E+01	U
WS	51	339507002	12/11/2013	Ag-108m	5.14E-01	1.39E+00	4.09E+00	U
WS	51	339507002	12/11/2013	Ag-110m	3.19E+00	1.56E+00	5.14E+00	U
WS	51	339507002	12/11/2013	Ba-140	4.39E-01	2.47E+00	8.23E+00	U
WS	51	339507002	12/11/2013	Be-7	-5.71E+00	1.38E+01	4.40E+01	U

Seabrook REMP Summary of 2013 Data

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
WS	51	339507002	12/11/2013	Bi-214	7.64E+00	4.22E+00	1.34E+01	U
WS	51	339507002	12/11/2013	Ce-141	1.83E-01	3.26E+00	9.68E+00	U
WS	51	339507002	12/11/2013	Ce-144	-1.93E+01	1.17E+01	3.25E+01	U
WS	51	339507002	12/11/2013	Co-57	9.96E-03	1.41E+00	4.56E+00	U
WS	51	339507002	12/11/2013	Co-58	-4.07E-01	1.41E+00	4.41E+00	U
WS	51	339507002	12/11/2013	Co-60	-8.87E-01	1.65E+00	5.10E+00	U
WS	51	339507002	12/11/2013	Cr-51	2.23E+00	1.48E+01	4.95E+01	U
WS	51	339507002	12/11/2013	Cs-134	4.66E-01	1.60E+00	5.27E+00	U
WS	51	339507002	12/11/2013	Cs-137	-2.40E-01	1.51E+00	4.84E+00	U
WS	51	339507002	12/11/2013	Fe-59	-3.23E+00	3.14E+00	9.20E+00	U
WS	51	339507002	12/11/2013	I-131	1.07E+00	3.19E+00	1.07E+01	U
WS	51	339507002	12/11/2013	K-40	2.73E+02	3.82E+01	4.29E+01	
WS	51	339507002	12/11/2013	La-140	4.39E-01	2.47E+00	8.23E+00	U
WS	51	339507002	12/11/2013	Mn-54	2.63E+00	1.37E+00	4.68E+00	U
WS	51	339507002	12/11/2013	Nb-95	-2.18E+00	1.74E+00	4.87E+00	U
WS	51	339507002	12/11/2013	Pb-212	-2.49E-01	3.10E+00	1.02E+01	U
WS	51	339507002	12/11/2013	Pb-214	4.76E+00	4.05E+00	1.14E+01	U
WS	51	339507002	12/11/2013	Ru-103	-9.98E-01	1.63E+00	5.10E+00	U
WS	51	339507002	12/11/2013	Ru-106	-2.69E+01	1.45E+01	3.58E+01	U
WS	51	339507002	12/11/2013	Sb-124	-1.44E+00	3.54E+00	1.09E+01	U
WS	51	339507002	12/11/2013	Sb-125	3.12E+00	3.80E+00	1.29E+01	U
WS	51	339507002	12/11/2013	Se-75	2.02E+00	2.09E+00	7.09E+00	U
WS	51	339507002	12/11/2013	Th-228	-2.49E-01	3.10E+00	1.02E+01	U
WS	51	339507002	12/11/2013	Zn-65	-7.71E-01	3.13E+00	1.02E+01	U
WS	51	339507002	12/11/2013	Zr-95	-1.50E+00	2.92E+00	9.01E+00	U
WS	51	341532002	12/11/2013	H-3	-7.54E+01	1.14E+02	3.84E+02	U

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.**