NEXTera® ENERGY SEABROOK

April 28, 2017
Docket No. 50-443
SBK-L-17073

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

Seabrook Station
2016 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 2016 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

Kenneth Browne
Licensing Manager

cc: with enclosure

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NEXTera ENERGY SEABROOK

2016 Annual Radiological Environmental Operating Report

April 2017

SEABROOK STATION

ANNUAL RADIOLOGICAL ENVIRONMENTAL OPERATING REPORT

For the Period

January - December 2016

Docket No. 50-443

Prepared By:

NextEra Energy Seabrook, LLC
Chemistry Department
Seabrook Station

And

AREVA INC
Radiological and Environmental Group
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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 2016. 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, 2016 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 any 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 potential concentration. The ODCM minimum required plant operations REMP included the collection for 2016 of at least 576 samples, with a total of 2416 individual measurement analyses. In 2016, the total number of sample analysis sets (both required and non-required) equaled 829 taken from 98 locations around Seabrook Station. These were collected from aquatic, atmospheric, and terrestrial environments. An estimated 5050 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 2016 included an additional 20 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 2016, 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 2016, the maximum whole body dose to the hypothetically exposed individual due to Seabrook Station effluents and operations was estimated to be 0.0586 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 2016 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 detectable radiation contribution from Seabrook Station sources was identified via TLD environmental measurements off-site during the course of 2016 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, peas and tomatoes) had any detectable fission product related radioactivity. No radionuclides related to plant effluents were detected in any of these sample media during 2016. For the one fission product (Cs-137) detected in milk and broadleaf vegetation, the concentration falls within the range of past and pre-operational measurements and can be attributed to past weapons testing fallout.

- 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.

The results of the 2016 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 2016 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 2016. 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]
2016

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	5.1	E
WS-51+	Ipswich Bay	2	26.2	SSE
WS-10 *	Seabrook Marsh	1	0.18	SSE
SE-02	Hampton-Discharge Area	1	5.2	E
SE-07	Hampton Beach	1	3.3	E
SE-08+	Seabrook Beach	1	3.3	ESE
SE-52	Ipswich Bay	2	26.2	SSE
SE-57	Plum Island Beach	2	22.4	SSE
FH-03+	Hampton-Discharge Area	1	5.0	ESE
FH-53+	Ipswich Bay	2	23.3	SSE
FH-06	Hampton-Discharge Area	1	5.2	E
HA-04+	Hampton-Discharge Area	1	5.1	E
HA-54+	Ipswich Bay	2	27.9	SSE
MU-06+	Hampton-Discharge Area	1	5.2	E
MU-09	Hampton Harbor	1	2.5	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]
2016

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)]
2016

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-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)
* Note that WS-10 is the same location as WS-02 reported in previous annual reports.

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

(b) Table reflects those locations included in the 2016 sample collection program.

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

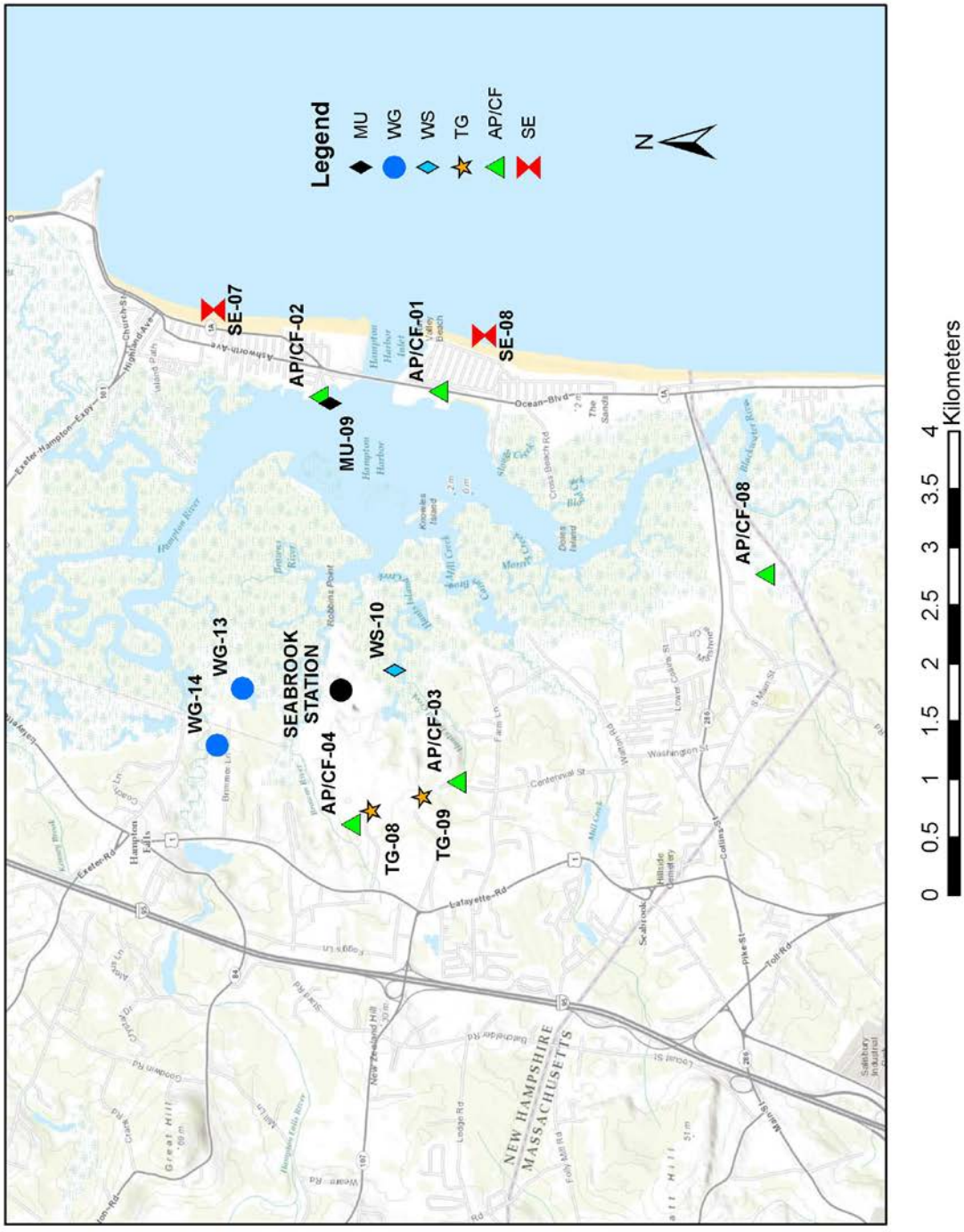


Figure 2.2 Radiological Environmental Monitoring Locations Between 4 & 12 Km of Seabrook Station

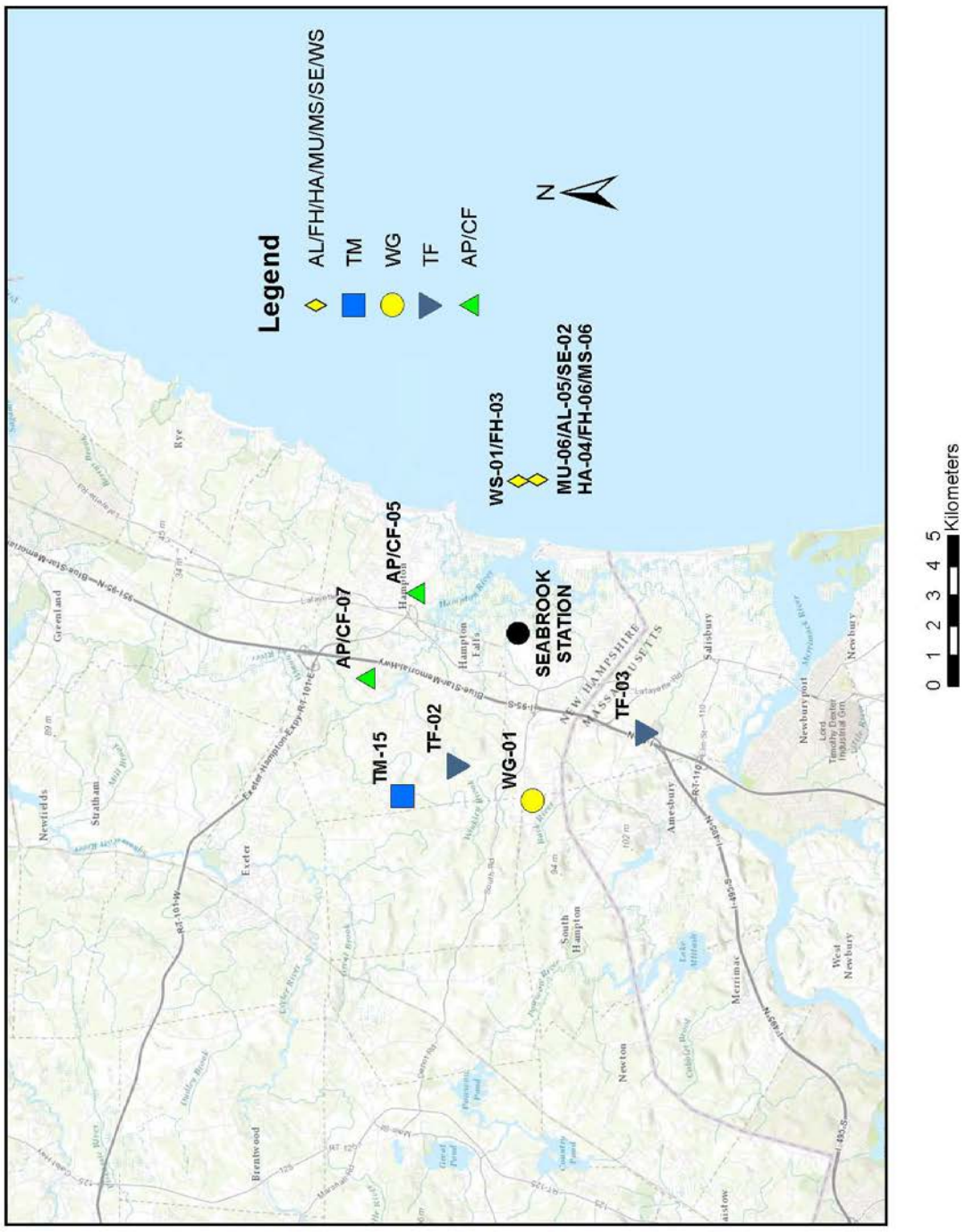


Figure 2.3 Radiological Environmental Monitoring Locations Outside 12 Km of Seabrook Station

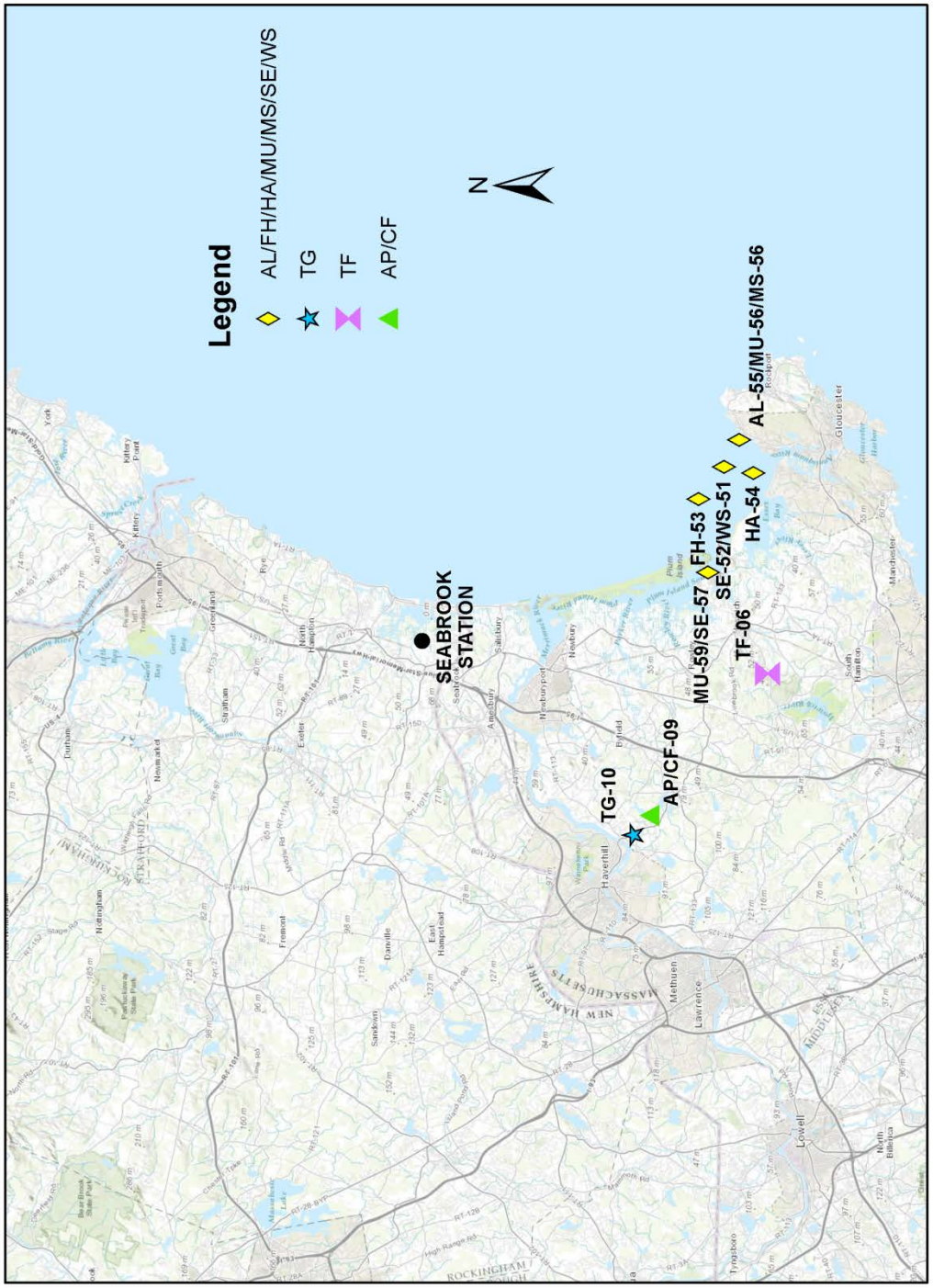


Figure 2.4 Direct Radiation Monitoring Locations Within 4 Km of Seabrook Station

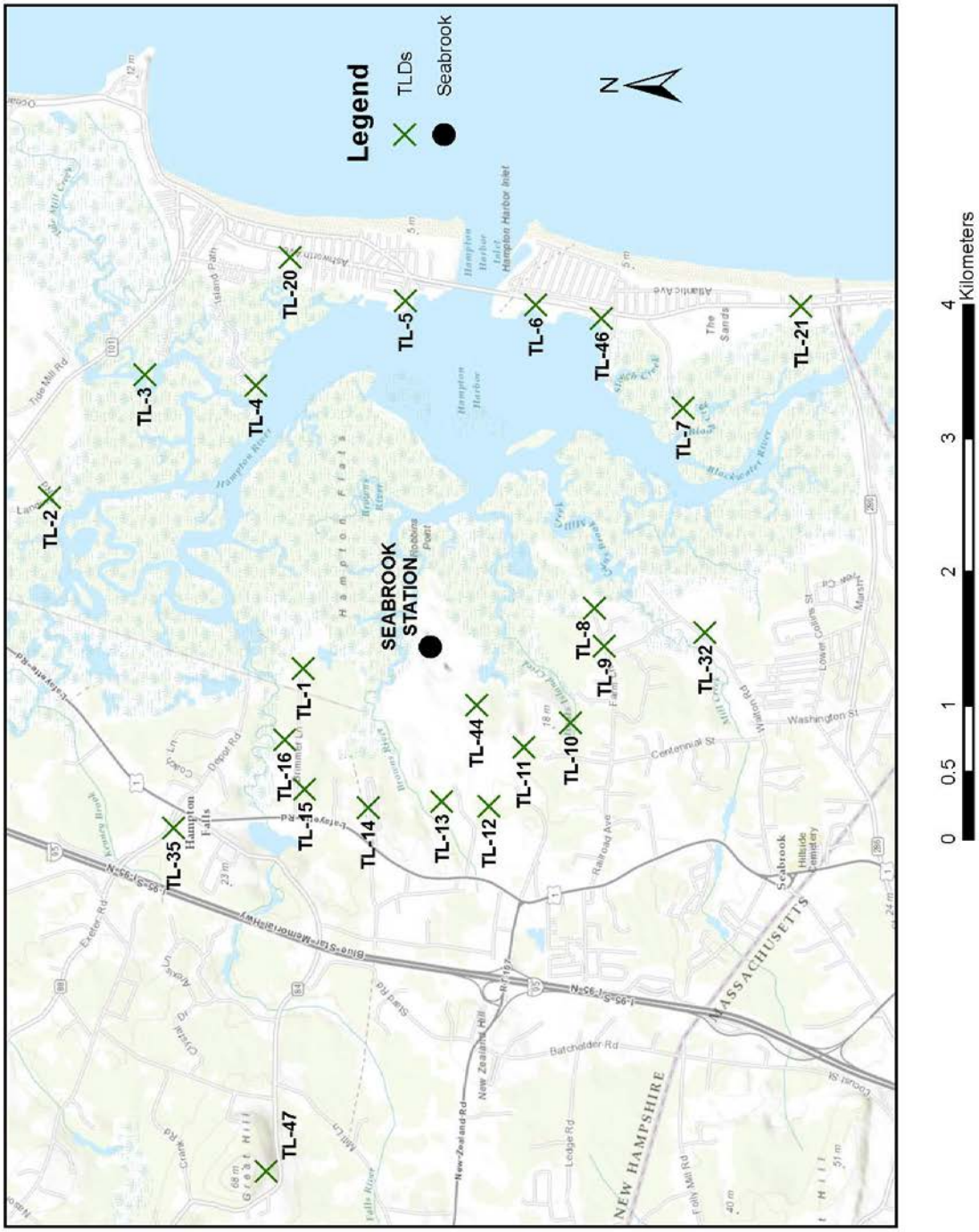


Figure 2.5 Direct Radiation Monitoring Locations Between 4 & 12 Km of Seabrook Station

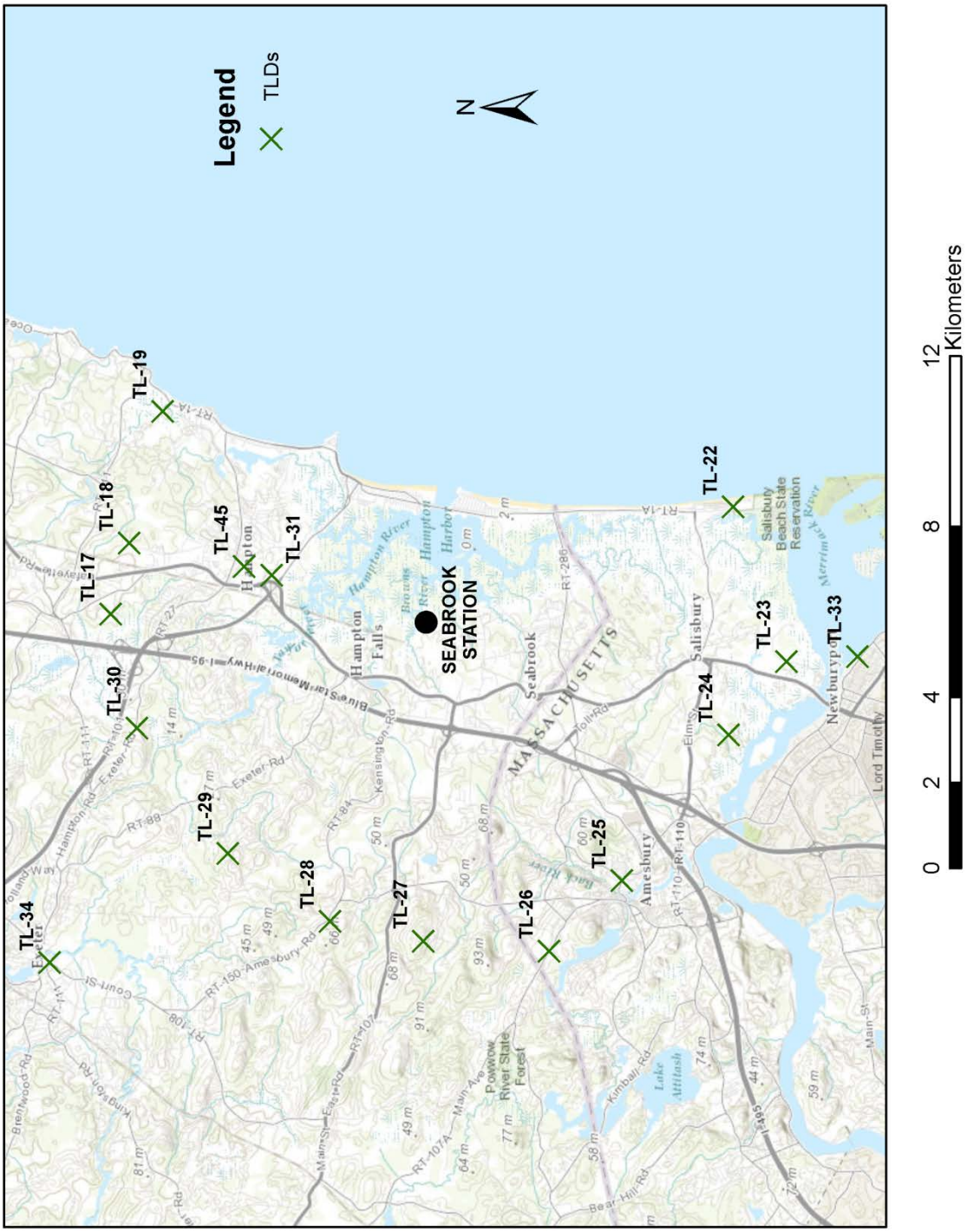
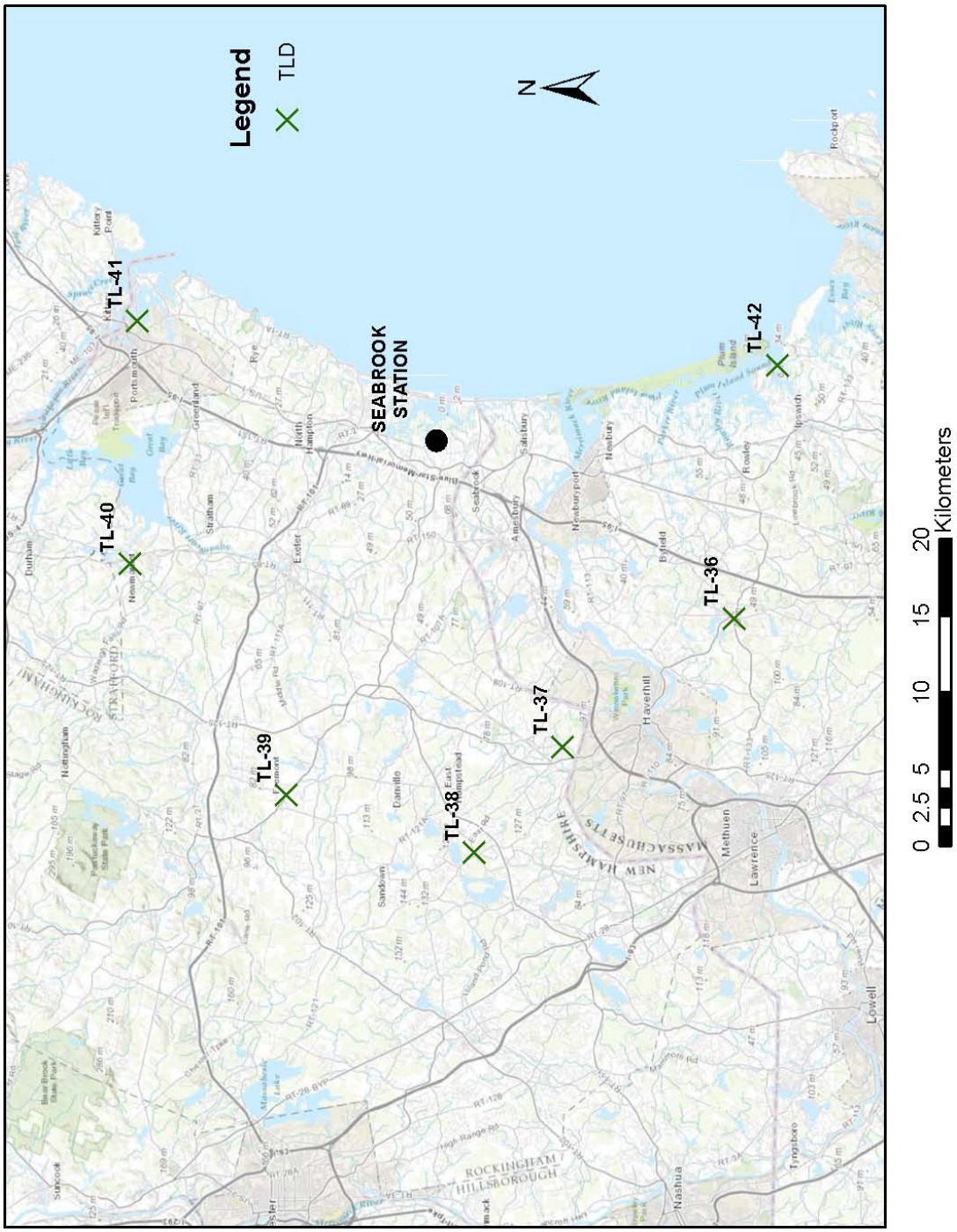


Figure 2.6 Direct Radiation Monitoring Locations Outside 12 Km of Seabrook Station



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 2016. 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 2016. 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, six locations required by the ODCM, Table A.9.1-1, and two additional sites included to supplement the program. Seven of the locations are indicators, while the remaining one is a control station located more than 21 km away from the plant.

Airborne particulates (AP) are collected by passing the air through a glass-fiber filter. In 2016, 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 2016. For the year, 208 particulate filters were collected and analyzed for gross beta activity.

The 2016 gross beta activity analyses for the indicator locations were found to be statistically equivalent to that seen at the control station (positive activity for all samples). The gross beta results are also similar to what was seen in the pre-operational program and for the last twenty-six 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 22 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 2016. 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 radionuclide detected was naturally-occurring Be-7, which indicated positive in all air particulate samples. Be-7 is of cosmogenic origin, and its presence is consistent with previous years in both the pre-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 (if any) are described in Section 5.

FIGURE 3.1

GROSS-BETA MEASUREMENTS OF AIR PARTICULATE FILTERS
SEABROOK STATION

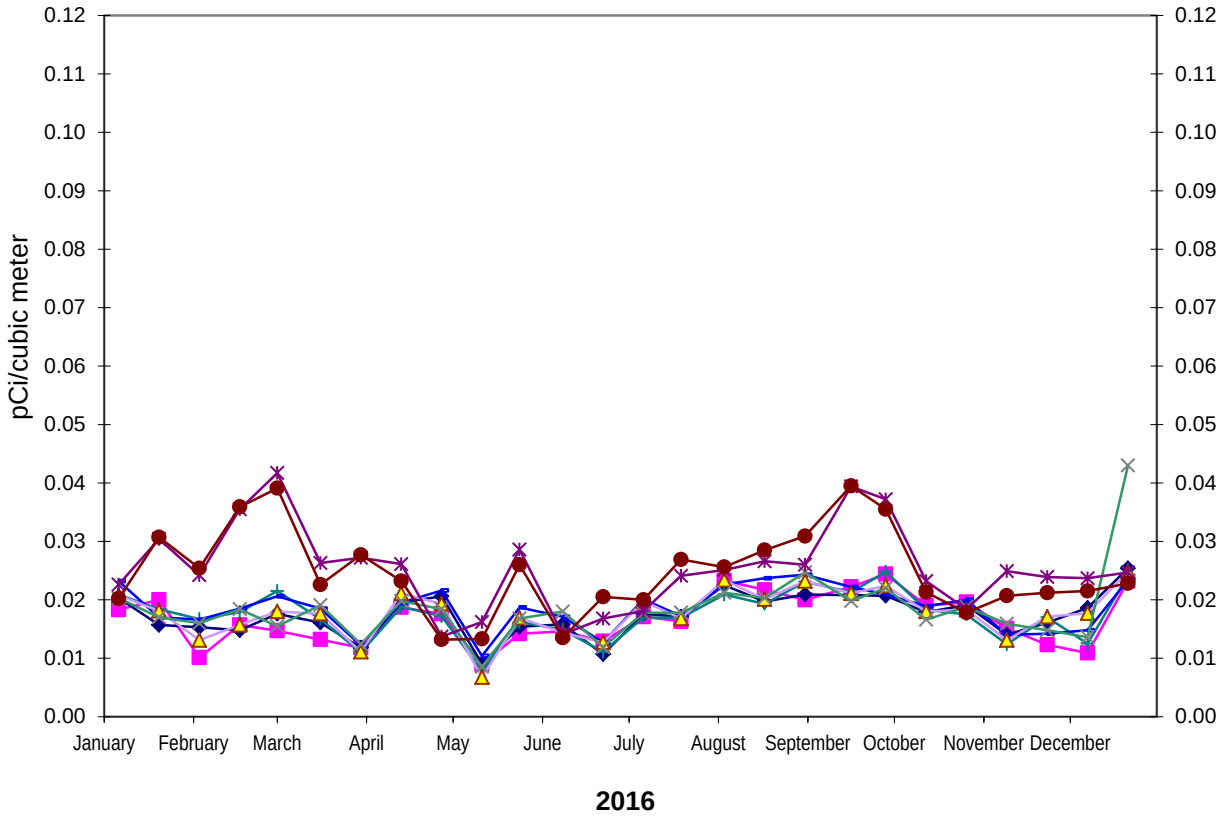


FIGURE 3.1.1

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

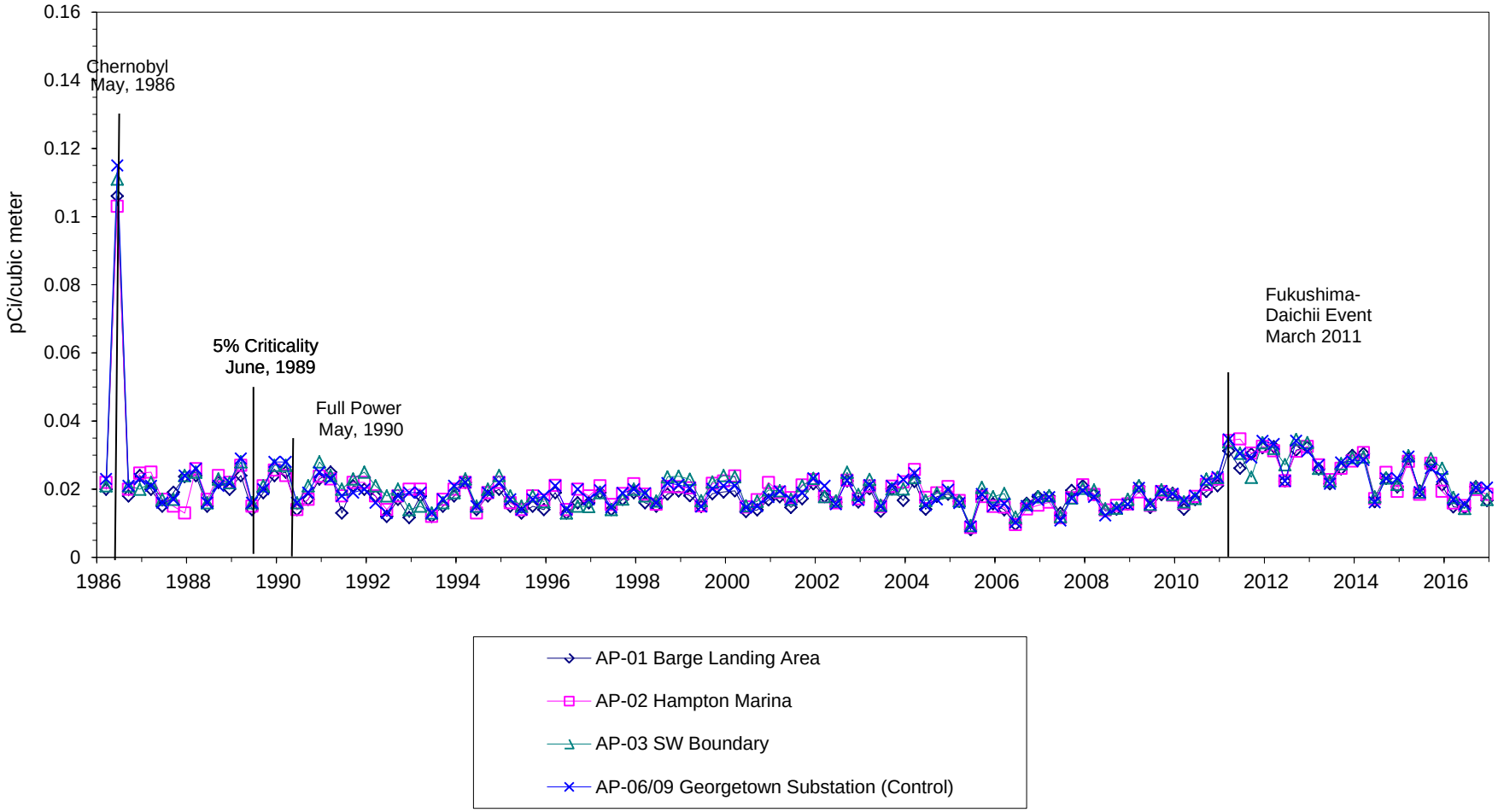


FIGURE 3.1.2

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

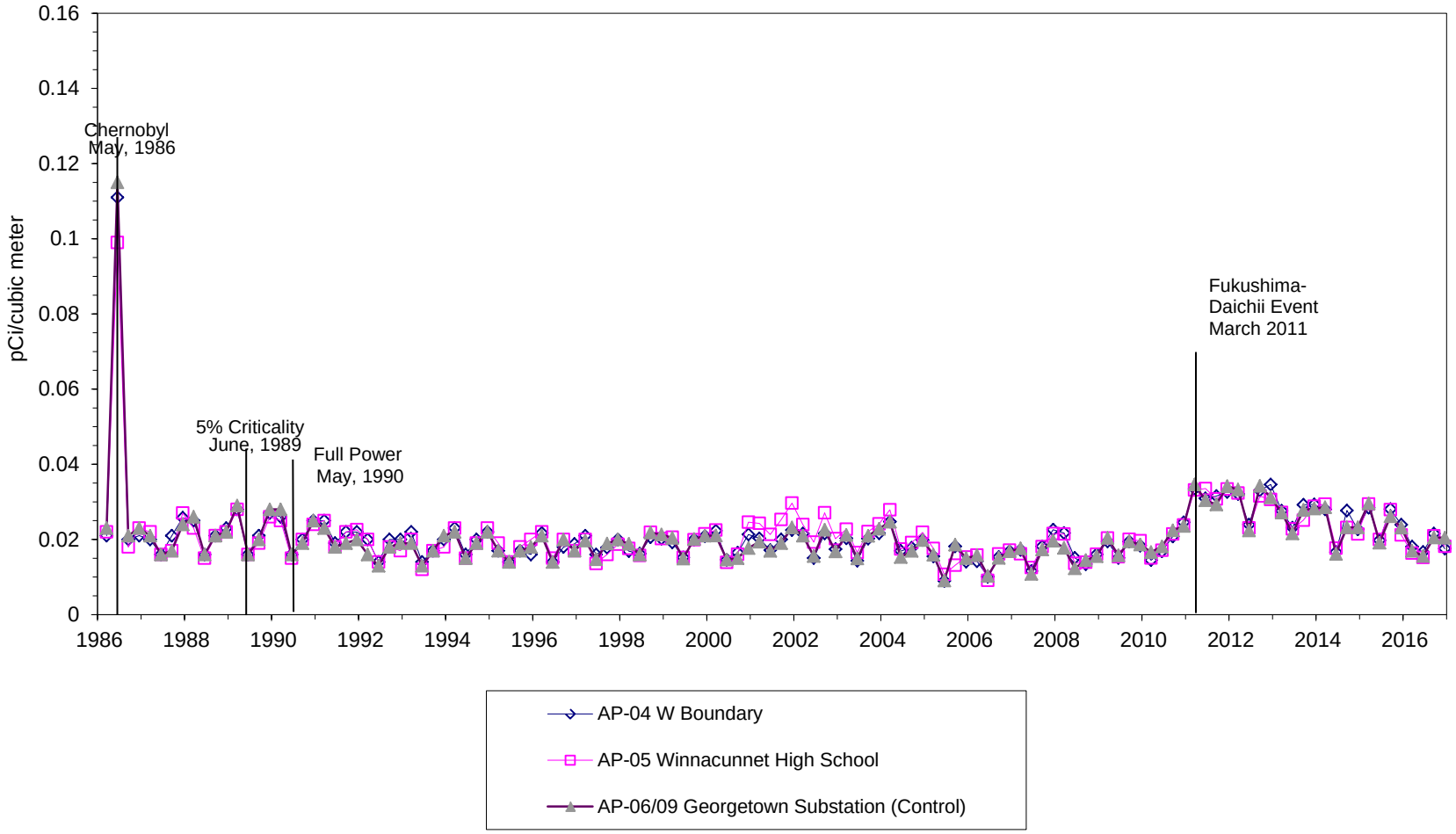


FIGURE 3.1.3

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

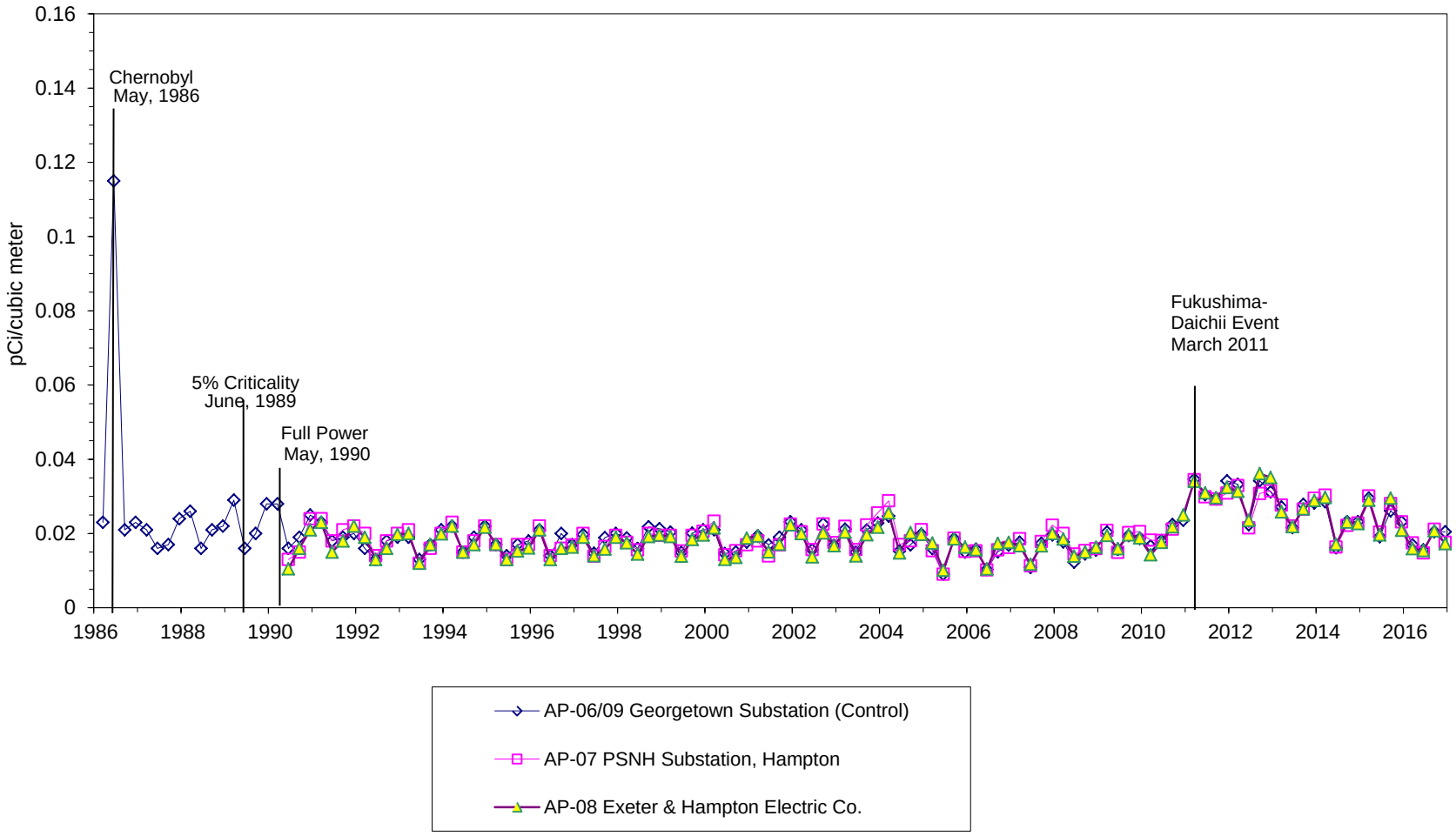


FIGURE 3.1.4

GROSS-BETA ON AIR PARTICULATE FILTERS
QUARTERLY AVERAGES
SEABROOK STATION

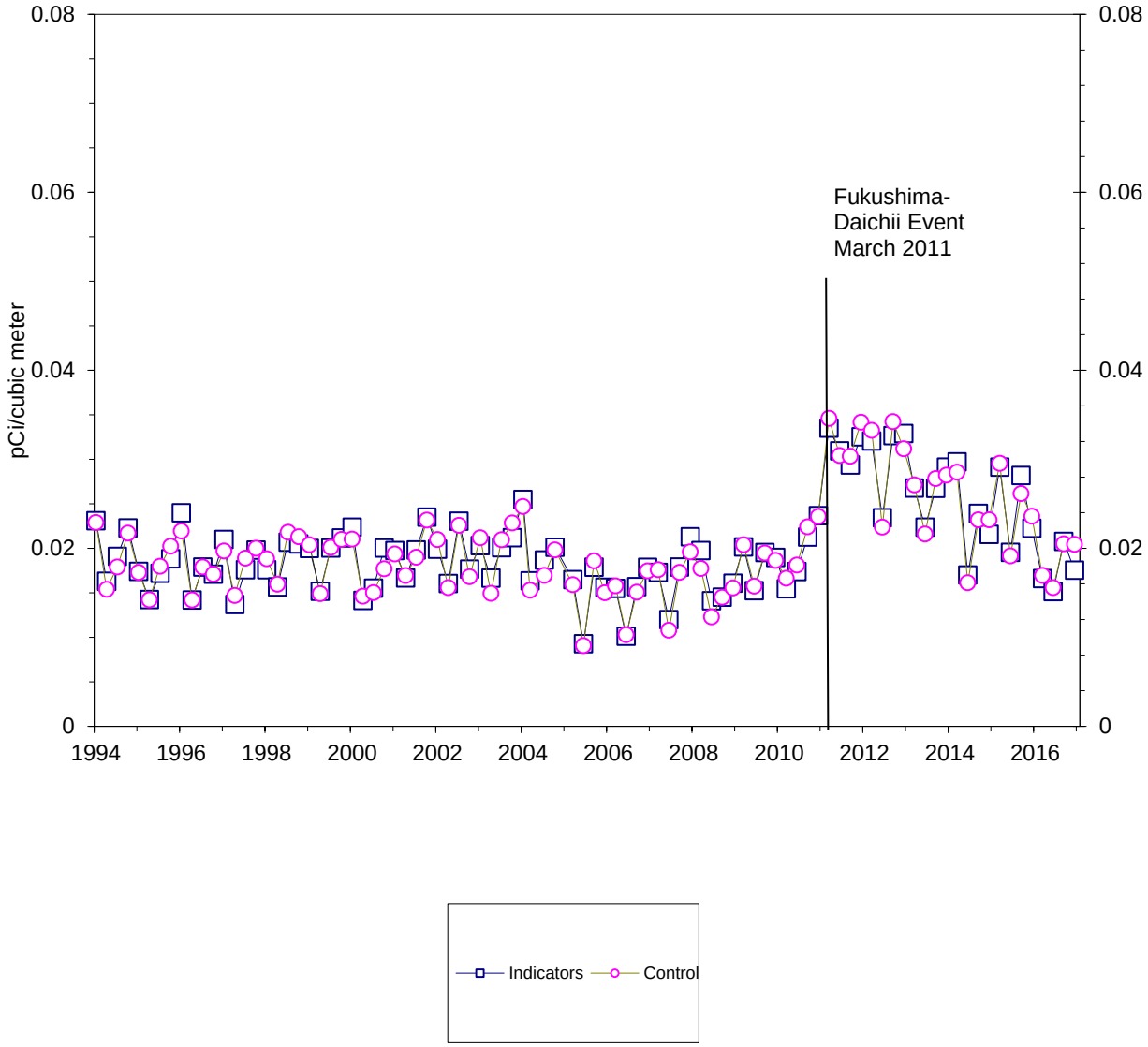


Table 3.1-1
Radiological Environmental Monitoring Program Summary
Seabrook Nuclear Power Station, Seabrook, NH
(January - December 2016)

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)	0.01	1.8E -2	04	1.9E -2	1.8E -2
(0)		(6.7 - 26.8)E -3 (182/ 182)		(1.0 - 2.4)E -2 (26/ 26)	(8.5 - 43.0)E -3 (26/ 26)
Be-7 (32)		9.8E -2	02	1.1E -1	1.0E -1
(0)		(6.0 - 13.0)E -2 (28/ 28)		(8.2 - 11.8)E -2 (4/ 4)	(8.2 - 11.9)E -2 (4/ 4)
K-40 (32)		1.9E -3	01	3.8E -3	1.1E -3
(0)		(-3.7 - 6.5)E -3 (0/ 28)		(2.2 - 5.4)E -3 (0/ 4)	(-2.0 - 3.9)E -3 (0/ 4)
Cr-51 (32)		-1.0E -3	07	3.9E -3	-2.2E -3
(0)		(-1.5 - 1.5)E -2 (0/ 28)		(-1.3 - 8.9)E -3 (0/ 4)	(-1.4 - 1.1)E -2 (0/ 4)
Mn-54 (32)		1.6E -5	08	9.7E -5	-7.3E -5
(0)		(-3.7 - 2.4)E -4 (0/ 28)		(-1.3 - 2.0)E -4 (0/ 4)	(-2.2 - 3.6)E -4 (0/ 4)
Co-57 (32)		2.3E -5	03	7.4E -5	1.6E -5
(0)		(-1.3 - 2.0)E -4 (0/ 28)		(2.4 - 13.2)E -5 (0/ 4)	(-8.4 - 10.0)E -5 (0/ 4)
Co-58 (32)		6.9E -5	01	2.1E -4	1.5E -4
(0)		(-3.2 - 6.6)E -4 (0/ 28)		(-2.5 - 6.6)E -4 (0/ 4)	(-1.2 - 3.7)E -4 (0/ 4)
Fe-59 (32)		2.7E -5	07	5.3E -4	2.5E -4
(0)		(-2.1 - 2.0)E -3 (0/ 28)		(-1.5 - 20.4)E -4 (0/ 4)	(-9.1 - 9.8)E -4 (0/ 4)
Co-60 (32)		3.7E -5	01	1.2E -4	-1.3E -4
(0)		(-2.8 - 3.0)E -4 (0/ 28)		(-2.1 - 21.3)E -5 (0/ 4)	(-1.7 - -0.5)E -4 (0/ 4)
Zn-65 (32)		-1.5E -4	02	-6.0E -5	-2.8E -4
(0)		(-1.3 - 1.1)E -3 (0/ 28)		(-2.1 - 1.5)E -4 (0/ 4)	(-8.3 - 3.1)E -4 (0/ 4)
Se-75 (32)		6.0E -5	04	1.7E -4	-1.3E -4
(0)		(-2.4 - 3.7)E -4 (0/ 28)		(2.0 - 330.0)E -6 (0/ 4)	(-5.5 - 1.8)E -4 (0/ 4)
Nb-95 (32)		5.0E -5	05	2.7E -4	-5.0E -5
(0)		(-1.1 - 0.7)E -3 (0/ 28)		(-1.6 - 6.7)E -4 (0/ 4)	(-4.9 - 2.0)E -4 (0/ 4)
Zr-95 (32)		1.3E -4	07	6.0E -4	-3.0E -4
(0)		(-1.1 - 2.0)E -3 (0/ 28)		(1.2 - 19.5)E -4 (0/ 4)	(-1.2 - 0.4)E -3 (0/ 4)
Ru-103 (32)		3.6E -5	04	4.8E -4	-3.2E -4
(0)		(-1.9 - 1.1)E -3 (0/ 28)		(-8.9 - 1130.0)E -6 (0/ 4)	(-9.1 - 0.9)E -4 (0/ 4)
Ru-106 (32)		1.8E -5	02	6.9E -4	5.6E -4
(0)		(-2.2 - 2.7)E -3 (0/ 28)		(-2.0 - 2.3)E -3 (0/ 4)	(-7.2 - 25.3)E -4 (0/ 4)

* Non-Routine refers to those radionuclides that exceeded the Reporting Levels in ODCM Table A.9.1-3.
** The fraction of detectable measurements (i.e., > 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 2016)

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)		1.9E -5 (-1.8 - 1.7)E -4 (0/ 28)	08	7.2E -5 (1.9 - 16.8)E -5 (0/ 4)	-6.1E -5 (-1.7 - 0.5)E -4 (0/ 4)
Ag-110m (32) (0)		-2.3E -5 (-7.9 - 5.2)E -4 (0/ 28)	04	2.5E -4 (5.3 - 51.9)E -5 (0/ 4)	1.6E -4 (-1.1 - 7.6)E -4 (0/ 4)
Sb-124 (32) (0)		-1.2E -4 (-2.6 - 1.5)E -3 (0/ 28)	01	8.2E -4 (3.6 - 14.5)E -4 (0/ 4)	-1.6E -4 (-7.2 - 1.8)E -4 (0/ 4)
Sb-125 (32) (0)		-2.3E -5 (-8.7 - 13.2)E -4 (0/ 28)	07	5.4E -4 (1.2 - 9.7)E -4 (0/ 4)	-3.4E -4 (-9.2 - 3.0)E -4 (0/ 4)
I-131 (32) (0)		-1.9E -2 (-3.3 - 0.4)E -1 (0/ 28)	03	9.8E -3 (0.0 - 3.9)E -2 (0/ 4)	-6.4E -2 (-2.6 - 0.3)E -1 (0/ 4)
Cs-134 (32) (0)	0.05	4.7E -5 (-1.4 - 3.3)E -4 (0/ 28)	03	1.7E -4 (5.4 - 301.0)E -6 (0/ 4)	6.2E -5 (2.7 - 14.7)E -5 (0/ 4)
Cs-137 (32) (0)	0.06	3.3E -5 (-1.7 - 3.0)E -4 (0/ 28)	02	1.6E -4 (-6.0 - 304.0)E -6 (0/ 4)	6.2E -5 (1.2 - 13.8)E -5 (0/ 4)
Ba-140 (32) (0)		2.0E -2 (-3.9 - 15.1)E -2 (0/ 28)	09	8.0E -2 (3.0 - 15.5)E -2 (0/ 4)	8.0E -2 (3.0 - 15.5)E -2 (0/ 4)
La-140 (32) (0)		-1.1E -2 (-1.1 - 0.4)E -1 (0/ 28)	02	1.1E -2 (-1.9 - 4.4)E -2 (0/ 4)	1.0E -2 (-3.0 - 25.6)E -3 (0/ 4)
Ce-141 (32) (0)		-1.2E -4 (-2.2 - 1.7)E -3 (0/ 28)	01	5.5E -4 (-3.7 - 17.2)E -4 (0/ 4)	-7.6E -4 (-1.8 - 0.3)E -3 (0/ 4)
Ce-144 (32) (0)		0.0E 0 (-1.9 - 1.2)E -3 (0/ 28)	05	3.7E -4 (-2.5 - 11.5)E -4 (0/ 4)	-5.6E -4 (-1.7 - 0.2)E -3 (0/ 4)
Ac-228 (32) (0)		1.1E -4 (-1.1 - 1.2)E -3 (0/ 28)	02	6.3E -4 (1.7 - 12.3)E -4 (0/ 4)	-4.3E -5 (-5.3 - 5.5)E -4 (0/ 4)
Th-228 (32) (0)		2.4E -4 (-5.3 - 6.1)E -4 (0/ 28)	09	4.4E -4 (2.3 - 6.3)E -4 (0/ 4)	4.4E -4 (2.3 - 6.3)E -4 (0/ 4)

* Non-Routine refers to those radionuclides that exceeded the Reporting Levels in ODCM Table A.9.1-3.
** The fraction of detectable measurements (i.e., > 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 2016, 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 2016. Off-normal conditions, such as observed high differential pressure across the associated particulate filter (none detected in 2016) 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 2016 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 (2016) 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 (if any) are described in Section 5.

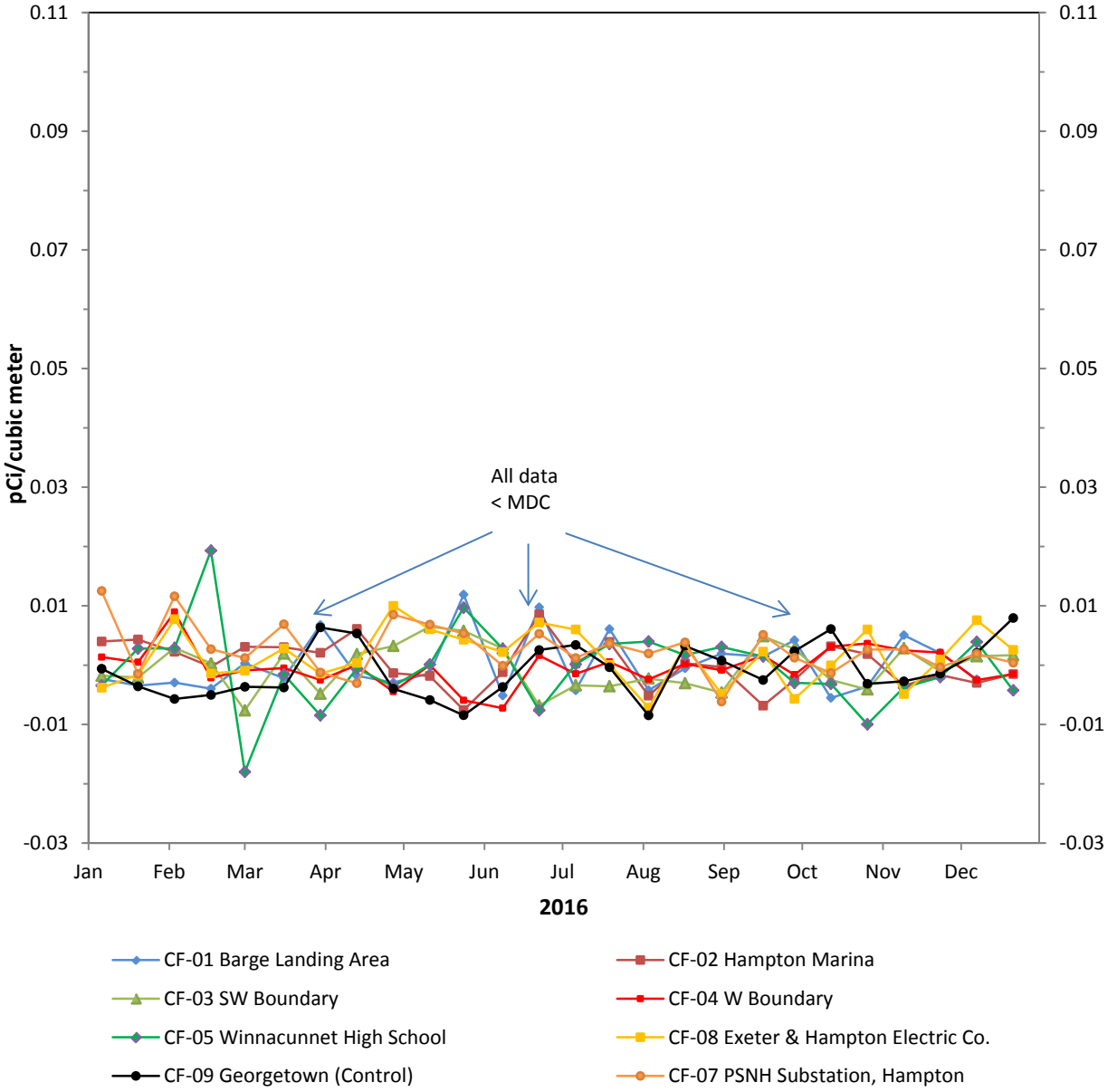
Table 3.2-1
Radiological Environmental Monitoring Program Summary
Seabrook Nuclear Power Station, Seabrook, NH
(January - December 2016)

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

Radionuclides (No. Analyses) (Non-Routine*)	Required LLD	Indicator Stations: Mean Range (No. Detected**)	Station With Highest Mean: Station	Station With Highest Mean: Mean Range (No. Detected**)	Control Stations: Mean Range (No. Detected**)
I-131 (208) (0)	0.07	4.8E -4 (-1.8 - 1.9)E -2 (0/ 182)	07	2.8E -3 (-6.2 - 12.5)E -3 (0/ 26)	-8.8E -4 (-8.5 - 7.9)E -3 (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, with the exception of November, for which there was no sample taken. 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 2016 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 goat 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).

A total of 17 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. Also detected in 9 milk samples was Cs-137 at an average concentration of 4.60 pCi/kg (positive measurements only) which falls in the range of past and pre-operational measurements. The highest single Cs-137 analysis result in 2016 was 7.59 pCi/kg. Though the Fukushima Daiichi event in March 2011 may have contributed to the Cs-137 levels observed in milk in 2016, 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. 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 (2016) 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. All 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 deviations in the sample measurement program (if any), such as missed lower limits of detection (LLD) requirements.

FIGURE 3.3

CESIUM-137 IN MILK
SEABROOK STATION

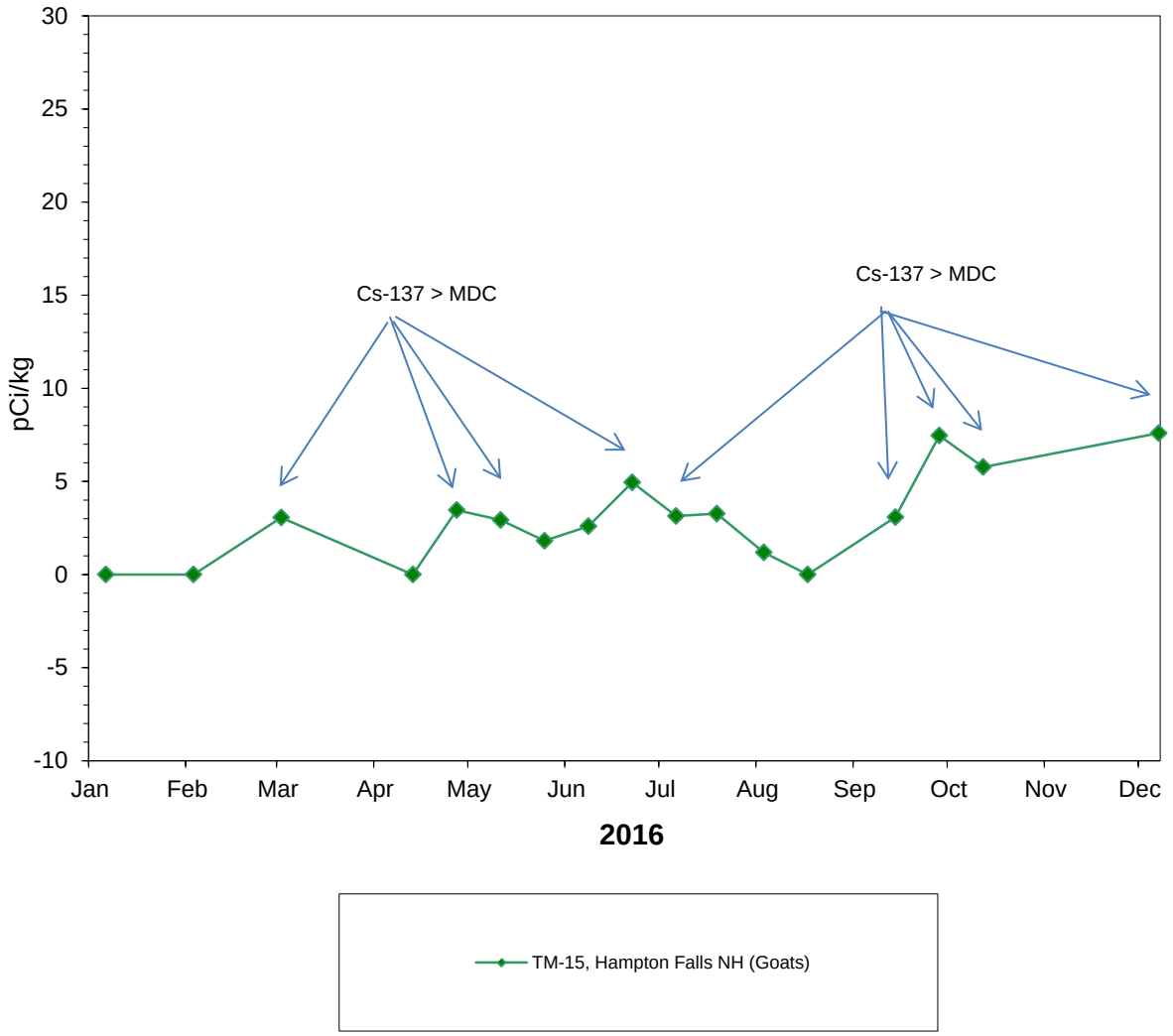


FIGURE 3.3.1

CESIUM-137 IN MILK
ANNUAL AVERAGE CONCENTRATIONS

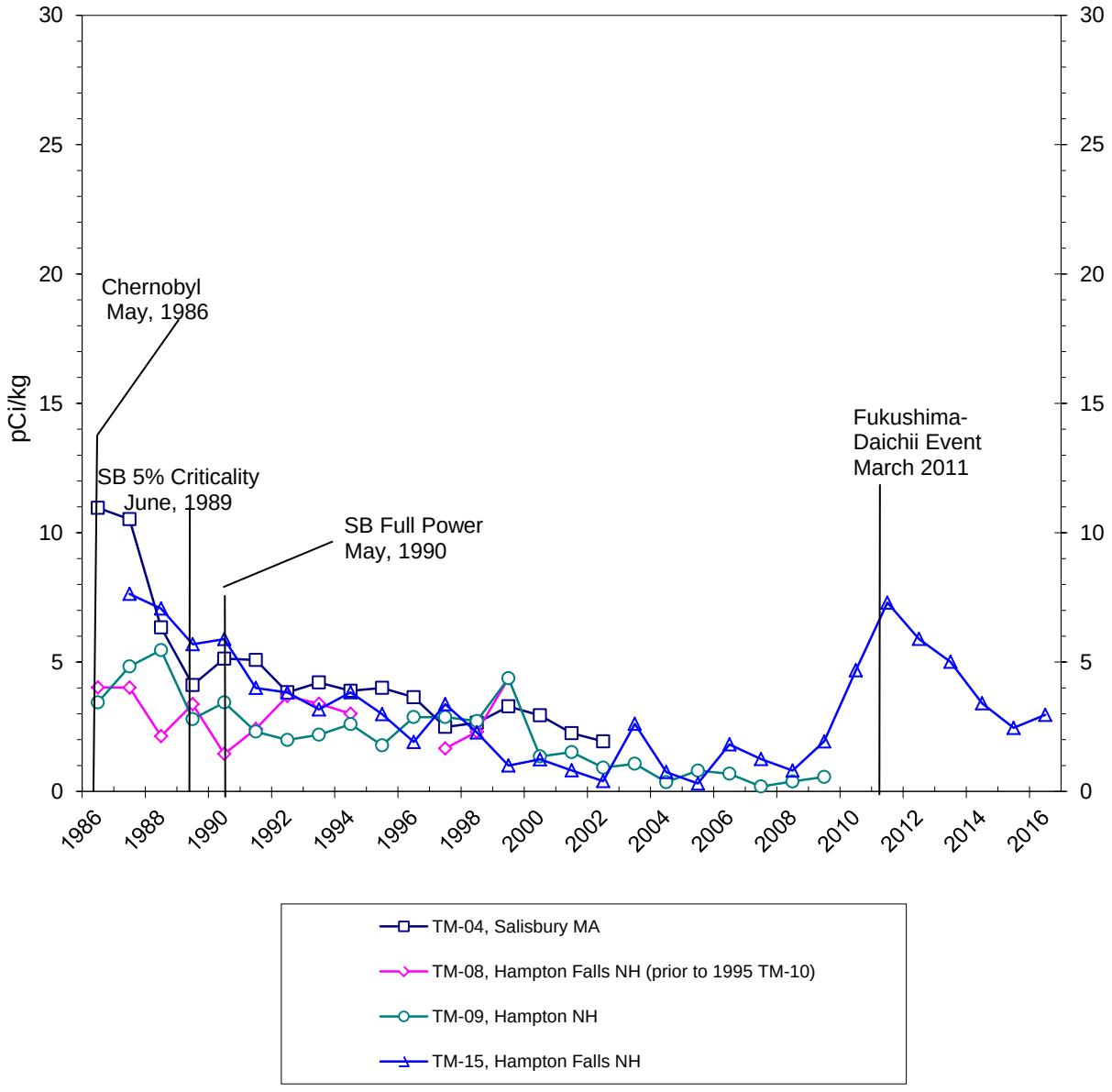


FIGURE 3.3.2

CESIUM-137 IN MILK
ANNUAL AVERAGE CONCENTRATIONS

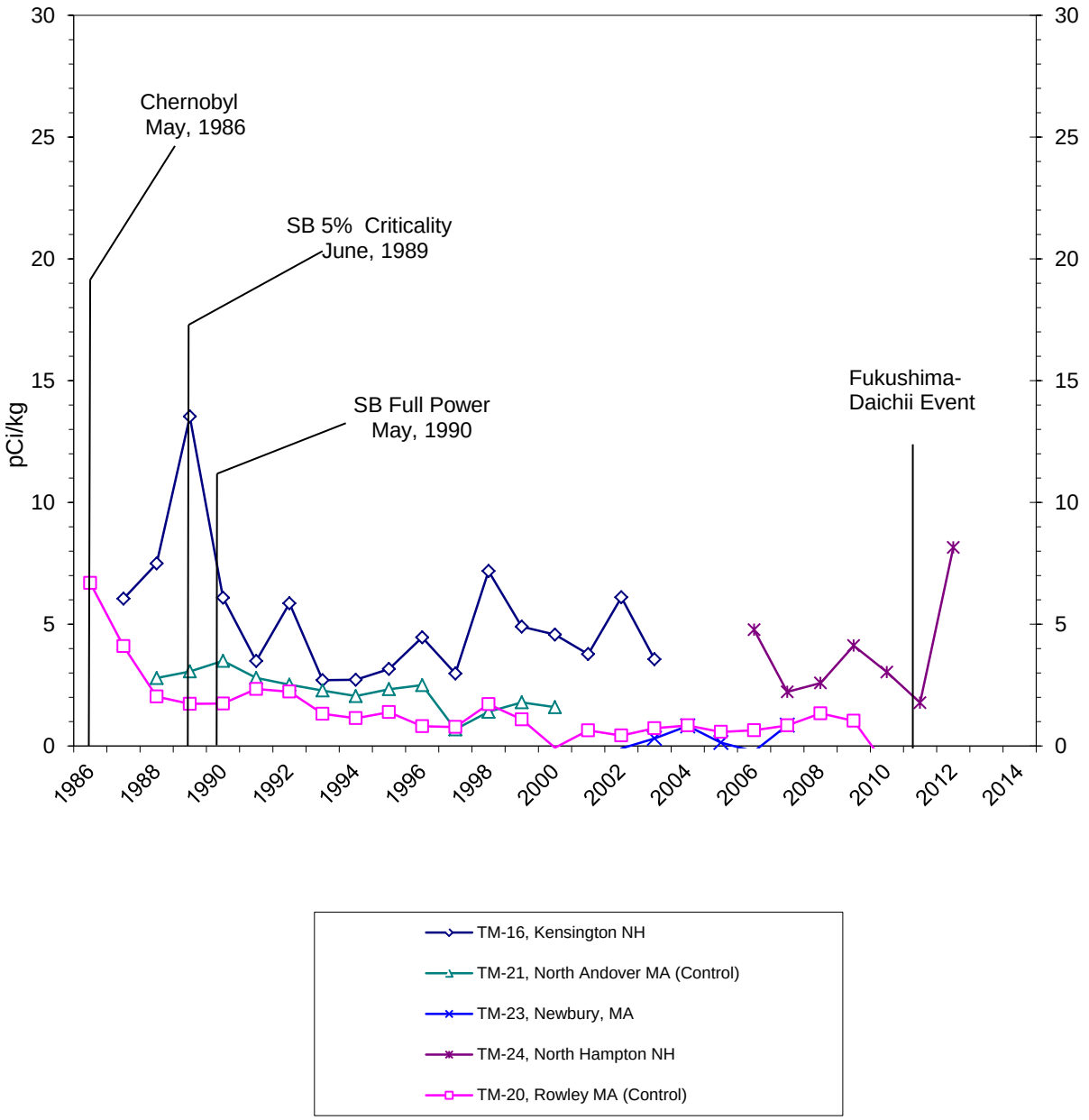


Table 3.3-1
Radiological Environmental Monitoring Program Summary
Seabrook Nuclear Power Station, Seabrook, NH
(January - December 2016)

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 (17) (0)		-8.4E -1 (-1.4 - 0.9)E 1 (0/ 17)	15	-8.4E -1 (-1.4 - 0.9)E 1 (0/ 17)	NO DATA
K-40 (17) (0)		1.6E 3 (1.5 - 2.0)E 3 (17/ 17)	15	1.6E 3 (1.5 - 2.0)E 3 (17/ 17)	NO DATA
Cr-51 (17) (0)		-2.5E 0 (-1.5 - 1.2)E 1 (0/ 17)	15	-2.5E 0 (-1.5 - 1.2)E 1 (0/ 17)	NO DATA
Mn-54 (17) (0)		1.5E -1 (-1.1 - 1.4)E 0 (0/ 17)	15	1.5E -1 (-1.1 - 1.4)E 0 (0/ 17)	NO DATA
Co-57 (17) (0)		1.7E -1 (-1.1 - 1.5)E 0 (0/ 17)	15	1.7E -1 (-1.1 - 1.5)E 0 (0/ 17)	NO DATA
Co-58 (17) (0)		-2.4E -1 (-1.2 - 1.0)E 0 (0/ 17)	15	-2.4E -1 (-1.2 - 1.0)E 0 (0/ 17)	NO DATA
Fe-59 (17) (0)		4.2E -1 (-3.0 - 2.4)E 0 (0/ 17)	15	4.2E -1 (-3.0 - 2.4)E 0 (0/ 17)	NO DATA
Co-60 (17) (0)		1.6E -1 (-1.9 - 1.4)E 0 (0/ 17)	15	1.6E -1 (-1.9 - 1.4)E 0 (0/ 17)	NO DATA
Zn-65 (17) (0)		-6.3E -2 (-3.4 - 2.8)E 0 (0/ 17)	15	-6.3E -2 (-3.4 - 2.8)E 0 (0/ 17)	NO DATA
Se-75 (17) (0)		3.8E -2 (-1.1 - 1.5)E 0 (0/ 17)	15	3.8E -2 (-1.1 - 1.5)E 0 (0/ 17)	NO DATA
Nb-95 (17) (0)		5.4E -1 (-8.5 - 26.2)E -1 (0/ 17)	15	5.4E -1 (-8.5 - 26.2)E -1 (0/ 17)	NO DATA
Zr-95 (17) (0)		3.9E -1 (-2.6 - 2.8)E 0 (0/ 17)	15	3.9E -1 (-2.6 - 2.8)E 0 (0/ 17)	NO DATA
Ru-103 (17) (0)		-2.0E -1 (-2.1 - 2.0)E 0 (0/ 17)	15	-2.0E -1 (-2.1 - 2.0)E 0 (0/ 17)	NO DATA
Ru-106 (17) (0)		1.5E 0 (-1.3 - 1.5)E 1 (0/ 17)	15	1.5E 0 (-1.3 - 1.5)E 1 (0/ 17)	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 2016)

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 (17) (0)		-3.6E -3 (-9.3 - 11.2)E -1 (0/ 17)	15	-3.6E -3 (-9.3 - 11.2)E -1 (0/ 17)	NO DATA
Ag-110m (17) (0)		2.6E -1 (-2.5 - 1.6)E 0 (0/ 17)	15	2.6E -1 (-2.5 - 1.6)E 0 (0/ 17)	NO DATA
Sb-124 (17) (0)		-4.1E -1 (-3.2 - 2.3)E 0 (0/ 17)	15	-4.1E -1 (-3.2 - 2.3)E 0 (0/ 17)	NO DATA
Sb-125 (17) (0)		-1.1E -2 (-3.0 - 3.3)E 0 (0/ 17)	15	-1.1E -2 (-3.0 - 3.3)E 0 (0/ 17)	NO DATA
I-131 (17) (0)	1	-7.6E -3 (-4.4 - 3.6)E -1 (0/ 17)	15	-7.6E -3 (-4.4 - 3.6)E -1 (0/ 17)	NO DATA
Cs-134 (17) (0)	15	4.6E -1 (-1.8 - 13.6)E -1 (0/ 17)	15	4.6E -1 (-1.8 - 13.6)E -1 (0/ 17)	NO DATA
Cs-137 (17) (0)	18	3.0E 0 (0.0 - 7.6)E 0 (9/ 17)	15	3.0E 0 (0.0 - 7.6)E 0 (9/ 17)	NO DATA
Ba-140 (17) (0)	15	-1.9E 0 (-8.3 - 2.5)E 0 (0/ 17)	15	-1.9E 0 (-8.3 - 2.5)E 0 (0/ 17)	NO DATA
La-140 (17) (0)	15	-1.9E -3 (-3.0 - 1.6)E 0 (0/ 17)	15	-1.9E -3 (-3.0 - 1.6)E 0 (0/ 17)	NO DATA
Ce-141 (17) (0)		3.0E -1 (-3.5 - 2.4)E 0 (0/ 17)	15	3.0E -1 (-3.5 - 2.4)E 0 (0/ 17)	NO DATA
Ce-144 (17) (0)		-1.1E 0 (-1.1 - 0.7)E 1 (0/ 17)	15	-1.1E 0 (-1.1 - 0.7)E 1 (0/ 17)	NO DATA
Ac-228 (17) (0)		-2.9E 0 (-1.0 - 0.6)E 1 (0/ 17)	15	-2.9E 0 (-1.0 - 0.6)E 1 (0/ 17)	NO DATA
Th-228 (17) (0)		1.2E 0 (-4.7 - 4.4)E 0 (0/ 17)	15	1.2E 0 (-4.7 - 4.4)E 0 (0/ 17)	NO DATA

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

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

3.4 Surface Water

Surface water (seawater - WS) grab samples are required at two locations (control and indicator) monthly. The indicator (WS-01) is over the vicinity of the plant's submerged discharge structure. The control location (WS-51) is situated in Ipswich Bay, MA, approximately 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-10) 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 2016, a total of 26 gamma analyses were performed on surface water samples. The only radionuclides detected were naturally-occurring K-40, which was detected in all samples and naturally-occurring Pb-212 and Th-228, which were detected in one sample. 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 2016, plus two additional samples from the non-ODCM required location (WS-10) situated approximately 600 feet SSE from the Containment Building in Seabrook Marsh. The quarterly composites and WS-10 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 tritium Minimum Detectable Concentration (MDC) for the quarterly off-shore composite samples averaged 718 pCi/kg, while the marsh area samples from WS-10 had an average MDC of 561 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 2016)

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	7.1E 1 (-2.2 - 3.5)E 2 (0/ 6)	01	1.2E 2 (-9.2 - 35.3)E 1 (0/ 4)	-8.3E 1 (-5.9 - 2.0)E 2 (0/ 4)
Be-7 (26) (0)		-1.2E 0 (-7.1 - 4.6)E 0 (0/ 14)	51	1.4E 0 (-1.2 - 1.1)E 1 (0/ 12)	1.4E 0 (-1.2 - 1.1)E 1 (0/ 12)
K-40 (26) (0)	30	3.1E 2 (1.8 - 3.6)E 2 (14/ 14)	01	3.3E 2 (3.0 - 3.6)E 2 (12/ 12)	3.3E 2 (3.0 - 3.6)E 2 (12/ 12)
Cr-51 (26) (0)		-1.9E -1 (-9.1 - 4.4)E 0 (0/ 14)	10	2.1E 0 (8.9 - 32.1)E -1 (0/ 2)	-2.2E 0 (-1.3 - 0.4)E 1 (0/ 12)
Mn-54 (26) (0)	15	-1.4E -1 (-1.0 - 0.7)E 0 (0/ 14)	10	1.1E -1 (-1.5 - 3.7)E -1 (0/ 2)	-1.3E -1 (-1.0 - 0.9)E 0 (0/ 12)
Co-57 (26) (0)		9.7E -2 (-7.5 - 5.4)E -1 (0/ 14)	10	1.2E -1 (-4.2 - 27.3)E -2 (0/ 2)	-1.9E -1 (-9.6 - 5.3)E -1 (0/ 12)
Co-58 (26) (0)	15	1.0E -2 (-9.7 - 12.8)E -1 (0/ 14)	10	4.3E -1 (3.5 - 5.1)E -1 (0/ 2)	-2.1E -1 (-2.7 - 0.9)E 0 (0/ 12)
Fe-59 (26) (0)	30	2.0E -1 (-2.0 - 1.4)E 0 (0/ 14)	01	3.4E -1 (-2.0 - 1.4)E 0 (0/ 12)	1.7E -1 (-2.0 - 1.8)E 0 (0/ 12)
Co-60 (26) (0)	15	-4.4E -2 (-1.0 - 0.8)E 0 (0/ 14)	01	-4.2E -2 (-1.0 - 0.8)E 0 (0/ 12)	-8.1E -2 (-1.3 - 0.8)E 0 (0/ 12)
Zn-65 (26) (0)	30	-6.8E -1 (-6.4 - 1.4)E 0 (0/ 14)	10	3.1E -1 (-7.7 - 14.0)E -1 (0/ 2)	-5.9E -1 (-3.2 - 2.6)E 0 (0/ 12)
Se-75 (26) (0)		3.1E -1 (-4.3 - 13.3)E -1 (0/ 14)	01	3.5E -1 (-4.3 - 13.3)E -1 (0/ 12)	6.4E -2 (-1.8 - 0.9)E 0 (0/ 12)
Nb-95 (26) (0)	15	2.0E -1 (-1.1 - 1.6)E 0 (0/ 14)	10	4.4E -1 (2.3 - 6.4)E -1 (0/ 2)	2.9E -1 (-5.6 - 11.7)E -1 (0/ 12)
Zr-95 (26) (0)	15	3.7E -1 (-8.7 - 15.9)E -1 (0/ 14)	01	4.2E -1 (-8.7 - 15.9)E -1 (0/ 12)	-8.9E -2 (-2.1 - 1.0)E 0 (0/ 12)
Ru-103 (26) (0)		-3.9E -1 (-1.2 - 0.5)E 0 (0/ 14)	01	-3.3E -1 (-1.0 - 0.5)E 0 (0/ 12)	-4.4E -1 (-1.5 - 0.2)E 0 (0/ 12)
Ru-106 (26) (0)		8.9E -1 (-2.3 - 3.7)E 0 (0/ 14)	10	9.5E -1 (5.2 - 13.7)E -1 (0/ 2)	9.3E -1 (-1.6 - 1.4)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 2016)

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**)
Ag-108m (26) (0)		-2.4E -4 (-5.1 - 8.7)E -1 (0/ 14)	51	6.0E -2 (-5.5 - 5.9)E -1 (0/ 12)	6.0E -2 (-5.5 - 5.9)E -1 (0/ 12)
Ag-110m (26) (0)		2.9E -2 (-8.3 - 16.7)E -1 (0/ 14)	10	1.2E -1 (-2.0 - 4.4)E -1 (0/ 2)	-2.3E -1 (-1.6 - 0.9)E 0 (0/ 12)
Sb-124 (26) (0)		-4.7E -1 (-2.9 - 1.7)E 0 (0/ 14)	51	-8.5E -2 (-2.1 - 3.3)E 0 (0/ 12)	-8.5E -2 (-2.1 - 3.3)E 0 (0/ 12)
Sb-125 (26) (0)		-4.5E -2 (-2.4 - 3.6)E 0 (0/ 14)	10	4.0E -1 (-4.2 - 12.3)E -1 (0/ 2)	-1.8E -1 (-2.5 - 1.2)E 0 (0/ 12)
I-131 (26) (0)	15	-7.4E -3 (-1.5 - 2.3)E 0 (0/ 14)	10	8.9E -1 (-5.2 - 22.9)E -1 (0/ 2)	-2.7E -2 (-1.9 - 1.6)E 0 (0/ 12)
Cs-134 (26) (0)	15	1.0E -1 (-1.7 - 1.0)E 0 (0/ 14)	51	1.8E -1 (-7.7 - 6.8)E -1 (0/ 12)	1.8E -1 (-7.7 - 6.8)E -1 (0/ 12)
Cs-137 (26) (0)	18	1.9E -1 (-1.9 - 1.3)E 0 (0/ 14)	10	6.5E -1 (5.4 - 7.5)E -1 (0/ 2)	2.5E -1 (-9.1 - 17.4)E -1 (0/ 12)
Ba-140 (26) (0)	15	5.6E -1 (-3.1 - 3.3)E 0 (0/ 14)	51	8.6E -1 (-5.1 - 6.5)E 0 (0/ 12)	8.6E -1 (-5.1 - 6.5)E 0 (0/ 12)
La-140 (26) (0)	15	-3.7E -1 (-2.3 - 2.8)E 0 (0/ 14)	10	-9.0E -3 (-4.2 - 4.0)E -1 (0/ 2)	-5.7E -1 (-4.6 - 1.6)E 0 (0/ 12)
Ce-141 (26) (0)		7.8E -1 (-1.1 - 2.4)E 0 (0/ 14)	01	1.1E 0 (-1.1 - 2.4)E 0 (0/ 12)	3.2E -1 (-4.2 - 3.5)E 0 (0/ 12)
Ce-144 (26) (0)		-1.0E 0 (-1.2 - 0.6)E 1 (0/ 14)	51	-1.7E -1 (-5.2 - 6.8)E 0 (0/ 12)	-1.7E -1 (-5.2 - 6.8)E 0 (0/ 12)
Pb-212 (26) (0)		5.5E -1 (-1.8 - 2.6)E 0 (0/ 14)	51	1.1E 0 (-1.9 - 9.6)E 0 (1/ 12)	1.1E 0 (-1.9 - 9.6)E 0 (1/ 12)
Pb-214 (26) (0)		-1.1E 0 (-4.0 - 1.9)E 0 (0/ 14)	51	5.1E -1 (-4.6 - 2.7)E 0 (0/ 12)	5.1E -1 (-4.6 - 2.7)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 2016)

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**)
Bi-214 (26) (0)		4.7E -2 (-4.2 - 3.8)E 0 (0/ 14)	51	1.3E 0 (-2.2 - 5.1)E 0 (0/ 12)	1.3E 0 (-2.2 - 5.1)E 0 (0/ 12)
Ac-228 (26) (0)		-3.6E -2 (-5.1 - 7.4)E 0 (0/ 14)	10	1.3E 0 (-1.4 - 3.9)E 0 (0/ 2)	-2.4E -1 (-6.9 - 4.5)E 0 (0/ 12)
Th-228 (26) (0)		5.5E -1 (-1.8 - 2.6)E 0 (0/ 14)	51	1.1E 0 (-1.9 - 9.6)E 0 (1/ 12)	1.1E 0 (-1.9 - 9.6)E 0 (1/ 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 2016, 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 six 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 (2016) 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 no activity was detected in any of the 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 lists 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

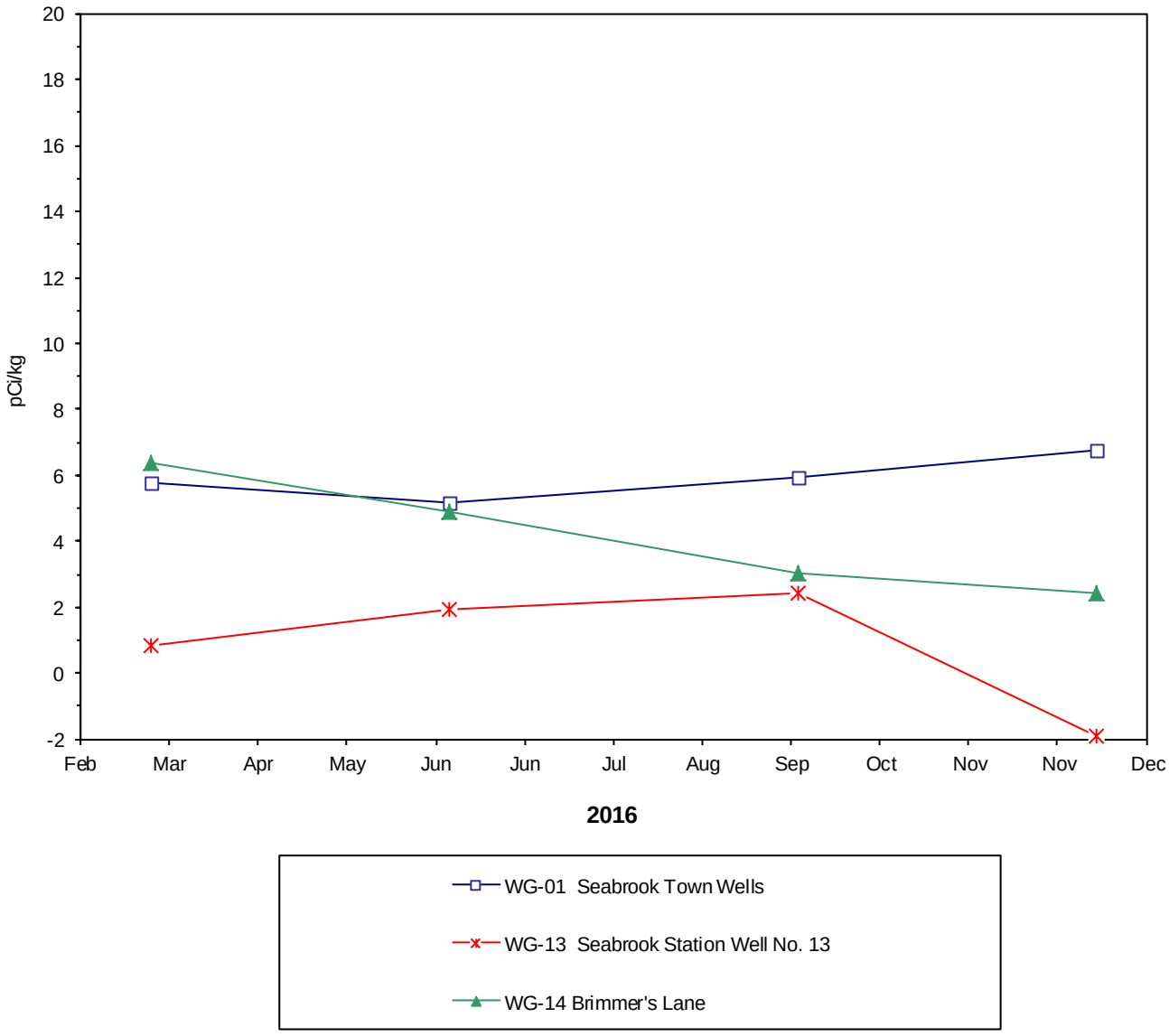


FIGURE 3.5.1

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

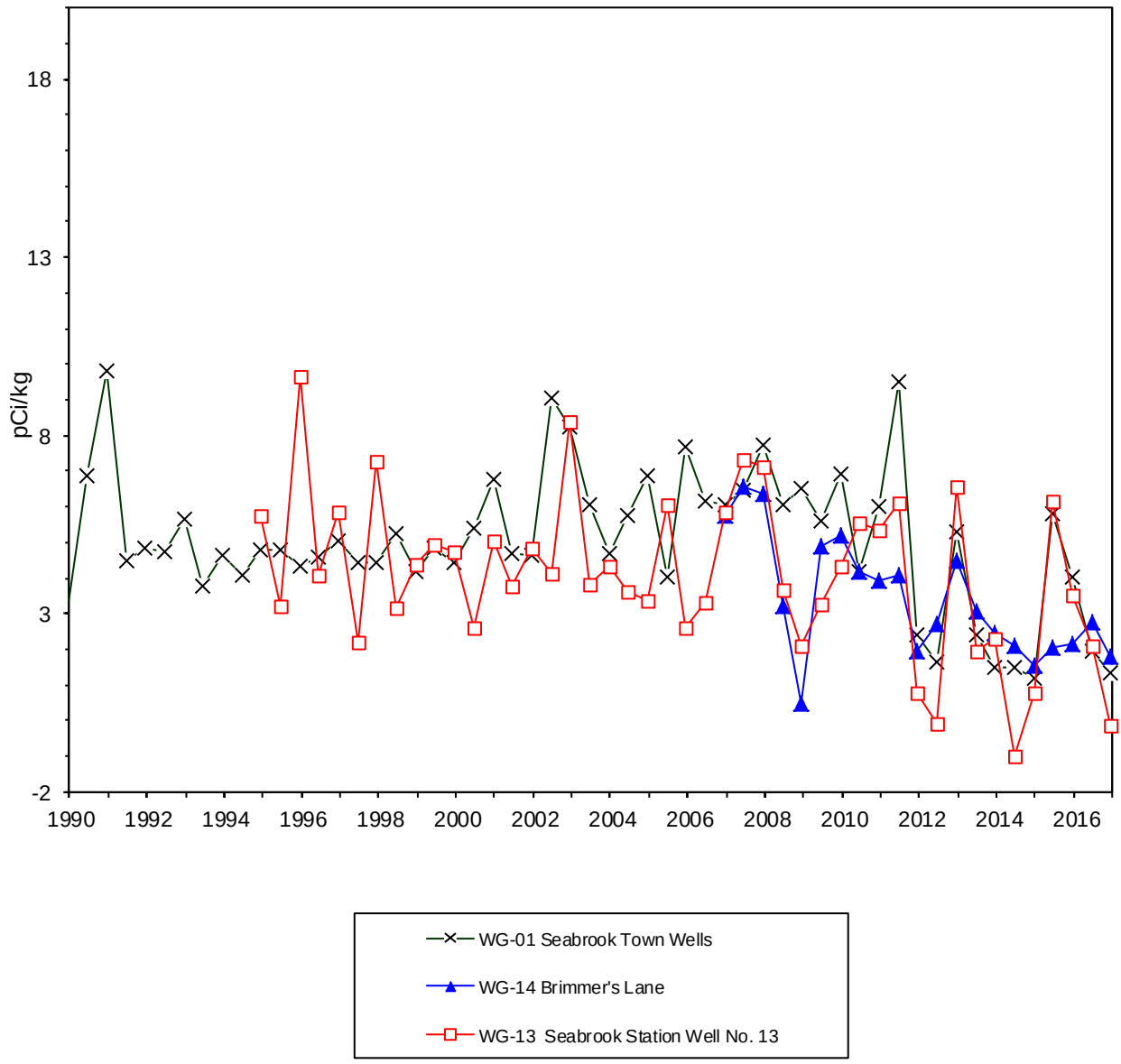


Table 3.5-1
Radiological Environmental Monitoring Program Summary
Seabrook Nuclear Power Station, Seabrook, NH
(January - December 2016)

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

Radionuclides (No. Analyses) (Non-Routine*)	Required LLD	Indicator Stations Mean Range (No. Detected**)	Station With Highest Mean Station	Station With Highest Mean Mean Range (No. Detected**)	Control Stations Mean Range (No. Detected**)
BETA (12) (0)	4	3.6E 0 (-1.9 - 6.8)E 0 (6/ 12)	01	5.9E 0 (5.2 - 6.8)E 0 (4/ 4)	NO DATA
H-3 (12) (0)	3000	-8.1E 0 (-2.1 - 2.7)E 2 (0/ 12)	14	5.0E 1 (-6.6 - 27.1)E 1 (0/ 4)	NO DATA
Be-7 (12) (0)		-2.7E -3 (-6.5 - 4.8)E 0 (0/ 12)	13	2.6E 0 (2.8 - 47.5)E -1 (0/ 4)	NO DATA
K-40 (12) (0)	30	-5.8E 0 (-3.3 - 1.3)E 1 (0/ 12)	14	-2.3E 0 (-1.4 - 0.9)E 1 (0/ 4)	NO DATA
Cr-51 (12) (0)		-3.2E 0 (-5.9 - 0.6)E 0 (0/ 12)	01	-3.1E 0 (-5.9 - 0.6)E 0 (0/ 4)	NO DATA
Mn-54 (12) (0)	15	-2.4E -1 (-1.0 - 0.7)E 0 (0/ 12)	01	9.8E -3 (-2.9 - 6.4)E -1 (0/ 4)	NO DATA
Co-57 (12) (0)		1.4E -1 (-3.7 - 7.7)E -1 (0/ 12)	14	2.4E -1 (-2.9 - 7.7)E -1 (0/ 4)	NO DATA
Co-58 (12) (0)	15	-2.8E -1 (-9.5 - 6.2)E -1 (0/ 12)	13	-9.3E -2 (-6.5 - 6.2)E -1 (0/ 4)	NO DATA
Fe-59 (12) (0)	30	-5.8E -1 (-2.9 - 1.6)E 0 (0/ 12)	14	4.9E -2 (-1.3 - 1.6)E 0 (0/ 4)	NO DATA
Co-60 (12) (0)	15	-1.1E -1 (-8.8 - 9.6)E -1 (0/ 12)	01	3.7E -2 (-8.2 - 9.6)E -1 (0/ 4)	NO DATA
Zn-65 (12) (0)	30	-1.0E -1 (-2.3 - 1.9)E 0 (0/ 12)	14	2.1E -1 (-1.6 - 1.9)E 0 (0/ 4)	NO DATA
Se-75 (12) (0)		-7.9E -2 (-2.3 - 1.0)E 0 (0/ 12)	13	2.4E -1 (2.1 - 4280.0)E -4 (0/ 4)	NO DATA
Nb-95 (12) (0)	15	7.0E -1 (-5.5 - 25.0)E -1 (0/ 12)	13	1.6E 0 (5.8 - 25.0)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.

Table 3.5-1 (Continued)
Radiological Environmental Monitoring Program Summary
Seabrook Nuclear Power Station, Seabrook, NH
(January - December 2016)

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	2.6E -1 (-1.9 - 1.8)E 0 (0/ 12)	14	5.6E -1 (-5.4 - 15.1)E -1 (0/ 4)	NO DATA
Ru-103 (12) (0)		-2.3E -1 (-1.5 - 1.7)E 0 (0/ 12)	14	5.0E -2 (-1.5 - 1.7)E 0 (0/ 4)	NO DATA
Ru-106 (12) (0)		1.5E 0 (-5.6 - 11.8)E 0 (0/ 12)	13	2.5E 0 (-6.0 - 75.0)E -1 (0/ 4)	NO DATA
Ag-108m (12) (0)		-1.1E -1 (-1.4 - 0.8)E 0 (0/ 12)	13	3.5E -1 (4.8 - 78.1)E -2 (0/ 4)	NO DATA
Ag-110m (12) (0)		8.2E -2 (-1.3 - 0.9)E 0 (0/ 12)	14	6.1E -1 (7.6 - 93.7)E -2 (0/ 4)	NO DATA
Sb-124 (12) (0)		2.1E -1 (-2.8 - 2.5)E 0 (0/ 12)	14	3.7E -1 (-3.4 - 10.2)E -1 (0/ 4)	NO DATA
Sb-125 (12) (0)		4.6E -2 (-1.6 - 2.8)E 0 (0/ 12)	13	6.0E -1 (-1.6 - 2.8)E 0 (0/ 4)	NO DATA
I-131 (12) (0)	15	1.7E -1 (-2.4 - 4.2)E 0 (0/ 12)	01	9.7E -1 (-9.6 - 41.6)E -1 (0/ 4)	NO DATA
Cs-134 (12) (0)	15	4.0E -1 (-4.8 - 13.6)E -1 (0/ 12)	14	6.7E -1 (-2.0 - 13.6)E -1 (0/ 4)	NO DATA
Cs-137 (12) (0)	18	-1.8E -1 (-2.1 - 0.5)E 0 (0/ 12)	01	2.3E -1 (-1.3 - 4.3)E -1 (0/ 4)	NO DATA
Ba-140 (12) (0)	15	3.6E -1 (-3.6 - 4.1)E 0 (0/ 12)	13	1.4E 0 (-1.1 - 4.1)E 0 (0/ 4)	NO DATA
La-140 (12) (0)	15	-2.8E -1 (-2.0 - 2.0)E 0 (0/ 12)	01	3.9E -1 (-1.2 - 2.0)E 0 (0/ 4)	NO DATA
Ce-141 (12) (0)		3.8E -1 (-2.8 - 2.2)E 0 (0/ 12)	13	1.4E 0 (2.4 - 22.1)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., >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 2016)

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)		-1.2E 0 (-1.4 - 0.7)E 1 (0/ 12)	14	1.4E 0 (-8.1 - 60.2)E -1 (0/ 4)	NO DATA
Pb-212 (12) (0)		1.2E 0 (-2.7 - 3.5)E 0 (0/ 12)	13	2.2E 0 (3.0 - 34.6)E -1 (0/ 4)	NO DATA
Pb-214 (12) (0)		6.3E 1 (-1.0 - 385.0)E 0 (0/ 12)	14	1.8E 2 (3.1 - 38.5)E 1 (0/ 4)	NO DATA
Bi-214 (12) (0)		5.7E 1 (0.0 - 3.5)E 2 (0/ 12)	14	1.6E 2 (2.8 - 34.9)E 1 (0/ 4)	NO DATA
Ac-228 (12) (0)		-9.7E -1 (-8.0 - 6.8)E 0 (0/ 12)	01	8.3E -1 (-2.2 - 6.8)E 0 (0/ 4)	NO DATA
Th-228 (12) (0)		1.2E 0 (-2.7 - 3.5)E 0 (0/ 12)	13	2.2E 0 (3.0 - 34.6)E -1 (0/ 4)	NO DATA

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

3.6 Sediment

Semiannual sediment sampling is required at one indicator location, although a total of five locations, three indicators and two controls, are collected. The indicator stations are comprised of two sets of beach sediment cores from Hampton Beach (SE-07) and Seabrook Beach (SE-08), plus one sub-tidal sediment core taken from near the discharge structure (SE-02). The control locations, 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 lists 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 2016)

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)		-8.7E 0 (-1.1 - 0.9)E 2 (0/ 6)	07	5.9E 1 (2.8 - 9.0)E 1 (0/ 2)	-2.6E 1 (-2.4 - 1.5)E 2 (0/ 4)
K-40 (10) (0)		1.6E 4 (1.4 - 2.0)E 4 (6/ 6)	08	1.9E 4 (1.9 - 2.0)E 4 (2/ 2)	1.4E 4 (1.2 - 1.7)E 4 (4/ 4)
Cr-51 (10) (0)		-1.8E 1 (-3.0 - 5.1)E 2 (0/ 6)	57	1.9E 2 (1.2 - 2.5)E 2 (0/ 2)	9.4E 1 (-1.9 - 2.5)E 2 (0/ 4)
Mn-54 (10) (0)		-5.2E 0 (-2.2 - 0.9)E 1 (0/ 6)	02	3.4E 0 (1.6 - 5.3)E 0 (0/ 2)	-2.2E 0 (-1.8 - 1.4)E 1 (0/ 4)
Co-57 (10) (0)		-2.6E 0 (-1.3 - 1.1)E 1 (0/ 6)	52	5.0E -1 (-1.2 - 1.3)E 1 (0/ 2)	-3.4E 0 (-1.2 - 1.3)E 1 (0/ 4)
Co-58 (10) (0)		4.3E 0 (-1.6 - 2.0)E 1 (0/ 6)	57	1.8E 1 (1.7 - 1.8)E 1 (0/ 2)	7.4E 0 (-1.2 - 1.8)E 1 (0/ 4)
Fe-59 (10) (0)		5.3E 0 (-3.6 - 7.1)E 1 (0/ 6)	57	8.4E 1 (3.4 - 13.5)E 1 (0/ 2)	4.8E 1 (-2.7 - 13.5)E 1 (0/ 4)
Co-60 (10) (0)		5.2E 0 (-1.3 - 3.9)E 1 (0/ 6)	07	1.3E 1 (-1.3 - 3.9)E 1 (0/ 2)	9.7E 0 (5.7 - 13.7)E 0 (0/ 4)
Zn-65 (10) (0)		-2.1E 1 (-8.5 - 3.8)E 1 (0/ 6)	57	3.2E 1 (2.1 - 4.3)E 1 (0/ 2)	9.2E 0 (-1.6 - 4.3)E 1 (0/ 4)
Se-75 (10) (0)		-1.0E 0 (-2.6 - 2.5)E 1 (0/ 6)	07	1.8E 1 (1.1 - 2.5)E 1 (0/ 2)	-4.9E 0 (-1.7 - 0.7)E 1 (0/ 4)
Nb-95 (10) (0)		4.5E 0 (-2.0 - 3.7)E 1 (0/ 6)	52	3.9E 1 (3.0 - 4.9)E 1 (0/ 2)	2.7E 1 (-1.4 - 49.2)E 0 (0/ 4)
Zr-95 (10) (0)		1.5E 0 (-2.2 - 3.2)E 1 (0/ 6)	07	1.6E 1 (1.2 - 2.0)E 1 (0/ 2)	1.1E 1 (-3.6 - 5.9)E 1 (0/ 4)
Ru-103 (10) (0)		8.5E 0 (-3.4 - 3.3)E 1 (0/ 6)	52	2.4E 1 (2.2 - 2.6)E 1 (0/ 2)	1.2E 1 (-1.3 - 2.6)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 2016)

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)		5.8E 1 (-3.3 - 14.0)E 1 (0/ 6)	08	9.4E 1 (4.8 - 14.0)E 1 (0/ 2)	-3.1E 1 (-1.6 - 0.7)E 2 (0/ 4)
Ag-108m (10) (0)		-2.1E 0 (-1.2 - 1.5)E 1 (0/ 6)	02	3.6E 0 (2.8 - 4.4)E 0 (0/ 2)	2.5E -2 (-1.1 - 1.2)E 1 (0/ 4)
Ag-110m (10) (0)		5.0E 0 (-1.4 - 2.2)E 1 (0/ 6)	52	2.6E 1 (2.0 - 3.1)E 1 (0/ 2)	1.4E 1 (3.2 - 311.0)E -1 (0/ 4)
Sb-124 (10) (0)		-2.2E 0 (-3.1 - 3.2)E 1 (0/ 6)	57	1.8E 1 (3.2 - 33.8)E 0 (0/ 2)	7.3E 0 (-3.8 - 3.4)E 1 (0/ 4)
Sb-125 (10) (0)		1.2E 1 (-2.9 - 7.5)E 1 (0/ 6)	02	4.9E 1 (2.2 - 7.5)E 1 (0/ 2)	-1.4E 1 (-3.9 - 1.2)E 1 (0/ 4)
I-131 (10) (0)		2.7E 1 (-1.9 - 2.2)E 2 (0/ 6)	52	2.8E 2 (2.0 - 3.6)E 2 (0/ 2)	1.3E 2 (-8.2 - 36.0)E 1 (0/ 4)
Cs-134 (10) (0)	150	2.3E 1 (7.7 - 53.0)E 0 (0/ 6)	02	4.6E 1 (3.8 - 5.3)E 1 (0/ 2)	3.1E 0 (-1.2 - 2.5)E 1 (0/ 4)
Cs-137 (10) (0)	180	8.1E 0 (-3.5 - 15.4)E 0 (0/ 6)	02	1.0E 1 (5.4 - 15.4)E 0 (0/ 2)	-2.8E 1 (-4.4 - -1.5)E 1 (0/ 4)
Ba-140 (10) (0)		9.3E 1 (-1.6 - 3.0)E 2 (0/ 6)	02	2.2E 2 (1.8 - 2.6)E 2 (0/ 2)	-7.5E 1 (-1.5 - 0.4)E 2 (0/ 4)
La-140 (10) (0)		-1.5E 1 (-5.2 - 4.1)E 1 (0/ 6)	52	7.5E 1 (1.6 - 13.5)E 1 (0/ 2)	3.1E 1 (-1.2 - 1.4)E 2 (0/ 4)
Ce-141 (10) (0)		9.7E 0 (-9.0 - 27.8)E 0 (0/ 6)	02	1.5E 1 (2.6 - 27.8)E 0 (0/ 2)	-1.5E 1 (-4.1 - 1.1)E 1 (0/ 4)
Ce-144 (10) (0)		-2.1E 1 (-1.3 - 0.6)E 2 (0/ 6)	08	-5.3E 0 (-6.5 - 5.5)E 1 (0/ 2)	-1.4E 1 (-9.0 - 4.8)E 1 (0/ 4)
Tl-208 (10) (0)		1.8E 2 (7.6 - 36.0)E 1 (5/ 6)	52	5.1E 2 (4.6 - 5.6)E 2 (2/ 2)	3.0E 2 (8.4 - 55.6)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 2016)

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)		6.1E 2 (3.0 - 11.7)E 2 (6/ 6)	52	1.7E 3 (1.5 - 2.0)E 3 (2/ 2)	1.0E 3 (2.8 - 19.7)E 2 (4/ 4)
Pb-214 (10) (0)		5.0E 2 (2.0 - 9.1)E 2 (6/ 6)	52	1.4E 3 (1.3 - 1.5)E 3 (2/ 2)	8.6E 2 (2.8 - 15.4)E 2 (4/ 4)
Bi-214 (10) (0)		4.5E 2 (2.7 - 7.6)E 2 (6/ 6)	52	1.1E 3 (1.0 - 1.2)E 3 (2/ 2)	6.7E 2 (2.2 - 11.7)E 2 (4/ 4)
Ra-226 (10) (0)		4.5E 2 (2.7 - 7.6)E 2 (6/ 6)	52	1.1E 3 (1.0 - 1.2)E 3 (2/ 2)	6.7E 2 (2.2 - 11.7)E 2 (4/ 4)
Ac-228 (10) (0)		5.3E 2 (2.3 - 9.7)E 2 (4/ 6)	52	1.7E 3 (1.6 - 1.8)E 3 (2/ 2)	1.0E 3 (2.6 - 18.3)E 2 (4/ 4)
Th-228 (10) (0)		6.1E 2 (3.0 - 11.7)E 2 (6/ 6)	52	1.7E 3 (1.5 - 2.0)E 3 (2/ 2)	1.0E 3 (2.8 - 19.7)E 2 (4/ 4)
Th-230 (10) (0)		4.5E 2 (2.7 - 7.6)E 2 (6/ 6)	52	1.1E 3 (1.0 - 1.2)E 3 (2/ 2)	6.7E 2 (2.2 - 11.7)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 11 fish samples were collected. The fish species available from Station FH-03 (indicator station) and Station FH-53 (control station) were dominated by Winter and Yellowtail Flounder which are bottom dwelling species. A total of three samples of Cunner fish were also collected from sample locations FH-03 and FH-06, which are both located in the Hampton Bay area of the plant's discharge. A sample of Longhorn Sculp was also collected from Station FH-03.

A gamma analysis was performed on the edible portion of each sample collected. In 2016, 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 2016, three Cunner samples were collected from Hampton Bay. The results are listed in Attachment 1 as laboratory numbers 398423003 (05/25/2016), 406533001 (9/14/2016) and 411211003 (11/17/2016). No plant radionuclides were detected in the Cunner 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 2016)

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 (11) (0)		3.2E 1 (-6.1 - 23.3)E 1 (0/ 8)	06	1.3E 2 (1.8 - 23.3)E 1 (0/ 2)	3.7E 0 (-7.3 - 13.1)E 0 (0/ 3)
K-40 (11) (0)		2.9E 3 (2.2 - 3.5)E 3 (8/ 8)	53	3.5E 3 (3.1 - 3.7)E 3 (3/ 3)	3.5E 3 (3.1 - 3.7)E 3 (3/ 3)
Cr-51 (11) (0)		-1.3E 1 (-9.7 - 1.3)E 1 (0/ 8)	53	1.4E 1 (-1.1 - 3.1)E 1 (0/ 3)	1.4E 1 (-1.1 - 3.1)E 1 (0/ 3)
Mn-54 (11) (0)	130	5.4E 0 (-1.3 - 2.8)E 1 (0/ 8)	06	2.2E 1 (1.5 - 2.8)E 1 (0/ 2)	2.3E 0 (1.7 - 2.7)E 0 (0/ 3)
Co-57 (11) (0)		-1.8E 0 (-1.7 - 0.5)E 1 (0/ 8)	53	6.3E -1 (-1.7 - 162.0)E -2 (0/ 3)	6.3E -1 (-1.7 - 162.0)E -2 (0/ 3)
Co-58 (11) (0)	130	4.0E 0 (-4.1 - 17.5)E 0 (0/ 8)	06	1.3E 1 (1.1 - 1.4)E 1 (0/ 2)	8.6E -2 (-6.5 - 13.3)E -1 (0/ 3)
Fe-59 (11) (0)	260	-3.0E 0 (-1.8 - 1.0)E 1 (0/ 8)	53	1.9E 0 (-9.7 - 63.8)E -1 (0/ 3)	1.9E 0 (-9.7 - 63.8)E -1 (0/ 3)
Co-60 (11) (0)	130	-5.8E 0 (-2.6 - 0.6)E 1 (0/ 8)	53	-8.9E -1 (-3.5 - 0.9)E 0 (0/ 3)	-8.9E -1 (-3.5 - 0.9)E 0 (0/ 3)
Zn-65 (11) (0)	260	1.6E 0 (-1.9 - 2.1)E 1 (0/ 8)	06	1.3E 1 (4.6 - 21.3)E 0 (0/ 2)	-7.5E 0 (-1.7 - -0.1)E 1 (0/ 3)
Se-75 (11) (0)		-1.1E 0 (-1.9 - 1.1)E 1 (0/ 8)	06	9.1E 0 (7.0 - 11.3)E 0 (0/ 2)	-3.2E 0 (-6.0 - 0.2)E 0 (0/ 3)
Nb-95 (11) (0)		-2.8E -1 (-1.8 - 1.3)E 1 (0/ 8)	03	3.1E 0 (-1.8 - 13.3)E 0 (0/ 6)	2.9E 0 (6.4 - 56.4)E -1 (0/ 3)
Zr-95 (11) (0)		-1.0E 1 (-5.7 - 1.4)E 1 (0/ 8)	53	4.2E 0 (9.9 - 101.0)E -1 (0/ 3)	4.2E 0 (9.9 - 101.0)E -1 (0/ 3)
Ru-103 (11) (0)		2.9E 0 (-2.9 - 13.1)E 0 (0/ 8)	03	3.2E 0 (-2.9 - 13.1)E 0 (0/ 6)	-2.7E 0 (-4.2 - -0.9)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 3.7-1 (Continued)
Radiological Environmental Monitoring Program Summary
Seabrook Nuclear Power Station, Seabrook, NH
(January - December 2016)

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 (11) (0)		-2.8E 1 (-9.6 - 1.7)E 1 (0/ 8)	53	2.1E 0 (-1.3 - 2.1)E 1 (0/ 3)	2.1E 0 (-1.3 - 2.1)E 1 (0/ 3)
Ag-108m (11) (0)		1.5E 0 (-2.7 - 8.4)E 0 (0/ 8)	06	3.1E 0 (-2.2 - 8.4)E 0 (0/ 2)	-6.6E -1 (-3.2 - 1.4)E 0 (0/ 3)
Ag-110m (11) (0)		-1.2E 0 (-1.4 - 1.0)E 1 (0/ 8)	06	4.5E 0 (-6.5 - 97.4)E -1 (0/ 2)	-2.1E 0 (-3.3 - -1.0)E 0 (0/ 3)
Sb-124 (11) (0)		1.1E 1 (-5.8 - 58.3)E 0 (0/ 8)	06	3.6E 1 (1.3 - 5.8)E 1 (0/ 2)	-3.2E 0 (-6.1 - 1.1)E 0 (0/ 3)
Sb-125 (11) (0)		-7.2E -1 (-3.6 - 2.5)E 1 (0/ 8)	53	1.7E 0 (-3.4 - 8.8)E 0 (0/ 3)	1.7E 0 (-3.4 - 8.8)E 0 (0/ 3)
I-131 (11) (0)		9.0E 0 (-2.6 - 9.0)E 1 (0/ 8)	06	4.5E 1 (5.1 - 896.0)E -1 (0/ 2)	-9.7E -1 (-8.7 - 11.1)E 0 (0/ 3)
Cs-134 (11) (0)	130	-5.9E 0 (-2.1 - -0.2)E 1 (0/ 8)	53	1.1E 0 (6.6 - 16.5)E -1 (0/ 3)	1.1E 0 (6.6 - 16.5)E -1 (0/ 3)
Cs-137 (11) (0)	150	-1.5E 0 (-1.7 - 1.5)E 1 (0/ 8)	53	2.4E 0 (0.0 - 5.2)E 0 (0/ 3)	2.4E 0 (0.0 - 5.2)E 0 (0/ 3)
Ba-140 (11) (0)		-5.9E 0 (-1.1 - 0.5)E 2 (0/ 8)	03	1.7E 1 (-2.8 - 5.4)E 1 (0/ 6)	1.4E 1 (-2.7 - 5.4)E 1 (0/ 3)
La-140 (11) (0)		-2.3E 0 (-3.1 - 6.3)E 1 (0/ 8)	03	2.9E 0 (-3.1 - 6.3)E 1 (0/ 6)	-1.0E 1 (-1.6 - -0.2)E 1 (0/ 3)
Ce-141 (11) (0)		-2.7E 0 (-4.6 - 2.1)E 1 (0/ 8)	03	7.1E -1 (-8.6 - 20.5)E 0 (0/ 6)	-5.3E 0 (-1.4 - 0.5)E 1 (0/ 3)
Ce-144 (11) (0)		-8.7E -1 (-4.6 - 3.2)E 1 (0/ 8)	03	3.2E 0 (-1.9 - 3.2)E 1 (0/ 6)	-5.5E 0 (-1.9 - 1.7)E 1 (0/ 3)
Tl-208 (11) (0)		8.6E -1 (-1.5 - 1.1)E 1 (0/ 8)	53	3.1E 0 (-1.1 - 7.2)E 0 (0/ 3)	3.1E 0 (-1.1 - 7.2)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 2016)

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 (11) (0)		1.1E 1 (-3.1 - 35.2)E 0 (0/ 8)	06	2.6E 1 (1.6 - 3.5)E 1 (0/ 2)	9.0E -1 (-5.3 - 8.0)E 0 (0/ 3)
Pb-214 (11) (0)		9.2E -1 (-1.4 - 2.7)E 1 (0/ 8)	06	1.8E 1 (9.2 - 27.4)E 0 (0/ 2)	1.4E 0 (-4.5 - 10.7)E 0 (0/ 3)
Bi-214 (11) (0)		-2.5E 0 (-3.0 - 5.3)E 1 (0/ 8)	06	1.2E 1 (-3.0 - 5.3)E 1 (0/ 2)	2.2E 0 (-4.4 - 8.4)E 0 (0/ 3)
Ra-226 (11) (0)		-2.5E 0 (-3.0 - 5.3)E 1 (0/ 8)	06	1.2E 1 (-3.0 - 5.3)E 1 (0/ 2)	2.2E 0 (-4.4 - 8.4)E 0 (0/ 3)
Ac-228 (11) (0)		7.6E 0 (-5.6 - 7.8)E 1 (0/ 8)	06	1.1E 1 (-5.6 - 7.8)E 1 (0/ 2)	8.0E -1 (-7.2 - 9.6)E 0 (0/ 3)
Th-228 (11) (0)		1.1E 1 (-3.1 - 35.2)E 0 (0/ 8)	06	2.6E 1 (1.6 - 3.5)E 1 (0/ 2)	9.0E -1 (-5.3 - 8.0)E 0 (0/ 3)
Th-230 (11) (0)		-2.5E 0 (-3.0 - 5.3)E 1 (0/ 8)	06	1.2E 1 (-3.0 - 5.3)E 1 (0/ 2)	2.2E 0 (-4.4 - 8.4)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.

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 2016 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 2016)

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

Radionuclides (No. Analyses) (Non-Routine*)	Required LLD	Indicator Stations: Mean Range (No. Detected**)	Station With Highest Mean: Station	Station With Highest Mean: Mean Range (No. Detected**)	Control Stations: Mean Range (No. Detected**)
Be-7 (4) (0)		4.3E 1 (6.5 - 80.5)E 0 (0/ 2)	04	4.3E 1 (6.5 - 80.5)E 0 (0/ 2)	-5.3E 0 (-1.3 - 0.2)E 1 (0/ 2)
K-40 (4) (0)		2.1E 3 (1.7 - 2.6)E 3 (2/ 2)	54	2.3E 3 (2.3 - 2.3)E 3 (2/ 2)	2.3E 3 (2.3 - 2.3)E 3 (2/ 2)
Cr-51 (4) (0)		-2.0E 1 (-3.9 - 0.0)E 1 (0/ 2)	54	-4.7E 0 (-8.6 - -0.9)E 0 (0/ 2)	-4.7E 0 (-8.6 - -0.9)E 0 (0/ 2)
Mn-54 (4) (0)	130	-6.8E 0 (-1.4 - 0.0)E 1 (0/ 2)	54	2.4E 0 (1.0 - 3.7)E 0 (0/ 2)	2.4E 0 (1.0 - 3.7)E 0 (0/ 2)
Co-57 (4) (0)		2.3E 0 (5.2 - 41.1)E -1 (0/ 2)	04	2.3E 0 (5.2 - 41.1)E -1 (0/ 2)	9.1E -1 (7.0 - 11.1)E -1 (0/ 2)
Co-58 (4) (0)	130	4.7E 0 (-3.6 - 96.7)E -1 (0/ 2)	04	4.7E 0 (-3.6 - 96.7)E -1 (0/ 2)	1.9E 0 (8.0 - 381.0)E -2 (0/ 2)
Fe-59 (4) (0)	260	-3.9E 0 (-6.5 - -1.3)E 0 (0/ 2)	54	-2.8E -1 (-2.8 - 2.2)E 0 (0/ 2)	-2.8E -1 (-2.8 - 2.2)E 0 (0/ 2)
Co-60 (4) (0)	130	1.3E -1 (-1.9 - 4.6)E -1 (0/ 2)	04	1.3E -1 (-1.9 - 4.6)E -1 (0/ 2)	-8.5E -1 (-2.4 - 0.7)E 0 (0/ 2)
Zn-65 (4) (0)	260	-2.5E 1 (-4.5 - -0.5)E 1 (0/ 2)	54	-1.9E 0 (-3.5 - -0.3)E 0 (0/ 2)	-1.9E 0 (-3.5 - -0.3)E 0 (0/ 2)
Se-75 (4) (0)		-3.6E 0 (-6.4 - -0.7)E 0 (0/ 2)	54	3.2E 0 (-3.3 - 66.5)E -1 (0/ 2)	3.2E 0 (-3.3 - 66.5)E -1 (0/ 2)
Nb-95 (4) (0)		7.2E 0 (3.3 - 11.1)E 0 (0/ 2)	04	7.2E 0 (3.3 - 11.1)E 0 (0/ 2)	-8.3E -1 (-1.4 - -0.3)E 0 (0/ 2)
Zr-95 (4) (0)		-7.8E 0 (-1.4 - -0.1)E 1 (0/ 2)	54	1.2E 0 (5.1 - 19.5)E -1 (0/ 2)	1.2E 0 (5.1 - 19.5)E -1 (0/ 2)
Ru-103 (4) (0)		4.5E 0 (2.5 - 88.4)E -1 (0/ 2)	04	4.5E 0 (2.5 - 88.4)E -1 (0/ 2)	-5.0E -1 (-1.3 - 0.3)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 2016)

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

Radionuclides (No. Analyses) (Non-Routine*)	Required LLD	Indicator Stations: Mean Range (No. Detected**)	Station With Highest Mean: Station	Station With Highest Mean: Mean Range (No. Detected**)	Control Stations: Mean Range (No. Detected**)
Ru-106 (4) (0)		3.2E 1 (1.4 - 5.0)E 1 (0/ 2)	04	3.2E 1 (1.4 - 5.0)E 1 (0/ 2)	8.2E 0 (5.7 - 10.6)E 0 (0/ 2)
Ag-108m (4) (0)		1.4E 0 (2.2 - 25.7)E -1 (0/ 2)	04	1.4E 0 (2.2 - 25.7)E -1 (0/ 2)	2.9E -1 (-1.2 - 1.8)E 0 (0/ 2)
Ag-110m (4) (0)		5.4E 0 (1.8 - 9.0)E 0 (0/ 2)	04	5.4E 0 (1.8 - 9.0)E 0 (0/ 2)	-1.3E 0 (-2.5 - -0.1)E 0 (0/ 2)
Sb-124 (4) (0)		-1.2E 1 (-2.2 - -0.1)E 1 (0/ 2)	54	4.5E 0 (-2.7 - 91.9)E -1 (0/ 2)	4.5E 0 (-2.7 - 91.9)E -1 (0/ 2)
Sb-125 (4) (0)		1.8E 1 (3.5 - 33.0)E 0 (0/ 2)	04	1.8E 1 (3.5 - 33.0)E 0 (0/ 2)	2.1E 0 (1.2 - 3.1)E 0 (0/ 2)
I-131 (4) (0)		-1.1E 1 (-2.0 - -0.2)E 1 (0/ 2)	54	4.8E 0 (-7.2 - 104.0)E -1 (0/ 2)	4.8E 0 (-7.2 - 104.0)E -1 (0/ 2)
Cs-134 (4) (0)	130	2.8E 0 (-1.8 - 7.5)E 0 (0/ 2)	04	2.8E 0 (-1.8 - 7.5)E 0 (0/ 2)	-4.2E -1 (-1.3 - 0.4)E 0 (0/ 2)
Cs-137 (4) (0)	150	1.4E 0 (2.0 - 25.5)E -1 (0/ 2)	54	1.5E 0 (-6.4 - 37.2)E -1 (0/ 2)	1.5E 0 (-6.4 - 37.2)E -1 (0/ 2)
Ba-140 (4) (0)		-4.5E 1 (-9.7 - 0.7)E 1 (0/ 2)	54	9.2E 0 (-2.7 - 21.1)E 0 (0/ 2)	9.2E 0 (-2.7 - 21.1)E 0 (0/ 2)
La-140 (4) (0)		1.0E 1 (-4.0 - 2100.0)E -2 (0/ 2)	04	1.0E 1 (-4.0 - 2100.0)E -2 (0/ 2)	-3.8E 0 (-5.4 - -2.1)E 0 (0/ 2)
Ce-141 (4) (0)		-5.2E 0 (-9.1 - -1.4)E 0 (0/ 2)	54	1.2E 0 (3.4 - 20.8)E -1 (0/ 2)	1.2E 0 (3.4 - 20.8)E -1 (0/ 2)
Ce-144 (4) (0)		-8.9E 0 (-9.2 - -8.6)E 0 (0/ 2)	54	-4.3E 0 (-1.1 - 0.2)E 1 (0/ 2)	-4.3E 0 (-1.1 - 0.2)E 1 (0/ 2)
Tl-208 (4) (0)		4.4E -1 (-1.0 - 1.9)E 0 (0/ 2)	54	8.4E -1 (1.4 - 15.3)E -1 (0/ 2)	8.4E -1 (1.4 - 15.3)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 2016)

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

Radionuclides (No. Analyses) (Non-Routine*)	Required LLD	Indicator Stations: Mean Range (No. Detected**)	Station With Highest Mean: Station	Station With Highest Mean: Mean Range (No. Detected**)	Control Stations: Mean Range (No. Detected**)
Pb-212 (4) (0)		-7.1E 0 (-1.1 - -0.3)E 1 (0/ 2)	54	4.9E -1 (-7.5 - 17.4)E -1 (0/ 2)	4.9E -1 (-7.5 - 17.4)E -1 (0/ 2)
Pb-214 (4) (0)		3.0E 0 (2.6 - 3.4)E 0 (0/ 2)	54	3.2E 0 (-2.4 - 65.9)E -1 (0/ 2)	3.2E 0 (-2.4 - 65.9)E -1 (0/ 2)
Bi-214 (4) (0)		1.1E 1 (2.0 - 19.2)E 0 (0/ 2)	04	1.1E 1 (2.0 - 19.2)E 0 (0/ 2)	-5.7E -1 (-7.4 - 6.2)E 0 (0/ 2)
Ra-226 (4) (0)		1.1E 1 (2.0 - 19.2)E 0 (0/ 2)	04	1.1E 1 (2.0 - 19.2)E 0 (0/ 2)	-5.7E -1 (-7.4 - 6.2)E 0 (0/ 2)
Ac-228 (4) (0)		-1.7E 1 (-3.8 - 0.4)E 1 (0/ 2)	54	-2.3E 0 (-4.7 - 0.1)E 0 (0/ 2)	-2.3E 0 (-4.7 - 0.1)E 0 (0/ 2)
Th-228 (4) (0)		-7.1E 0 (-1.1 - -0.3)E 1 (0/ 2)	54	4.9E -1 (-7.5 - 17.4)E -1 (0/ 2)	4.9E -1 (-7.5 - 17.4)E -1 (0/ 2)
Th-230 (4) (0)		1.1E 1 (2.0 - 19.2)E 0 (0/ 2)	04	1.1E 1 (2.0 - 19.2)E 0 (0/ 2)	-5.7E -1 (-7.4 - 6.2)E 0 (0/ 2)

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

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 2016, 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 2016 and analyzed for radioactivity in the edible portion or meat of the shellfish.

The only radionuclides detected in edible shellfish body samples in 2016 were naturally-occurring Be-7 (4 out of 8 samples), K-40 (all 8 samples) and Pb-212 and Th-228 in one of the indicator 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 2016, 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 2016)

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

Radionuclides (No. Analyses) (Non-Routine*)		Required LLD	Indicator Stations Mean Range (No. Detected**)	Station With Highest Mean Station	Station With Highest Mean Mean Range (No. Detected**)	Control Stations Mean Range (No. Detected**)
Be-7	(8)		3.9E 1	09	6.4E 1	4.6E 1
	(0)		(-2.8 - 7.2)E 1		(5.6 - 7.2)E 1	(3.3 - 6.7)E 1
			(2/ 4)		(1/ 2)	(2/ 4)
K-40	(8)		1.3E 3	59	1.7E 3	1.7E 3
	(0)		(1.0 - 1.9)E 3		(1.2 - 2.3)E 3	(1.2 - 2.3)E 3
			(4/ 4)		(2/ 2)	(4/ 4)
Cr-51	(8)		-7.1E 0	09	4.1E 0	-1.0E 1
	(0)		(-2.2 - 1.9)E 1		(-1.1 - 1.9)E 1	(-2.5 - 1.4)E 1
			(0/ 4)		(0/ 2)	(0/ 4)
Mn-54	(8)	130	-7.1E -1	59	2.6E 0	1.2E 0
	(0)		(-2.4 - 1.0)E 0		(1.2 - 4.1)E 0	(-1.9 - 4.1)E 0
			(0/ 4)		(0/ 2)	(0/ 4)
Co-57	(8)		-9.3E -1	56	-1.8E -1	-2.2E -1
	(0)		(-1.9 - 0.1)E 0		(-6.6 - 2.9)E -1	(-1.4 - 0.8)E 0
			(0/ 4)		(0/ 2)	(0/ 4)
Co-58	(8)	130	1.7E 0	09	1.9E 0	1.4E 0
	(0)		(3.6 - 24.9)E -1		(1.4 - 2.5)E 0	(3.9 - 28.7)E -1
			(0/ 4)		(0/ 2)	(0/ 4)
Fe-59	(8)	260	2.1E 0	06	3.9E 0	-3.4E 0
	(0)		(-1.5 - 9.0)E 0		(-1.1 - 9.0)E 0	(-1.1 - 0.2)E 1
			(0/ 4)		(0/ 2)	(0/ 4)
Co-60	(8)	130	-5.6E -1	59	1.9E 0	-8.8E -1
	(0)		(-2.9 - 3.3)E 0		(1.3 - 2.4)E 0	(-4.0 - 2.4)E 0
			(0/ 4)		(0/ 2)	(0/ 4)
Zn-65	(8)	260	3.3E 0	09	5.0E 0	-1.3E 0
	(0)		(-1.3 - 11.2)E 0		(-1.3 - 11.2)E 0	(-5.5 - 2.4)E 0
			(0/ 4)		(0/ 2)	(0/ 4)
Se-75	(8)		9.0E -1	09	3.4E 0	-3.1E -1
	(0)		(-5.5 - 6.4)E 0		(3.2 - 63.9)E -1	(-1.8 - 2.1)E 0
			(0/ 4)		(0/ 2)	(0/ 4)
Nb-95	(8)		-9.2E -1	59	2.4E 0	6.4E -1
	(0)		(-5.7 - 1.7)E 0		(1.8 - 3.0)E 0	(-1.8 - 3.0)E 0
			(0/ 4)		(0/ 2)	(0/ 4)
Zr-95	(8)		5.1E -1	09	2.1E 0	-3.2E -2
	(0)		(-4.0 - 7.8)E 0		(-3.7 - 7.8)E 0	(-4.0 - 3.9)E 0
			(0/ 4)		(0/ 2)	(0/ 4)
Ru-103	(8)		2.0E 0	09	3.9E 0	5.7E -1
	(0)		(-7.7 - 51.3)E -1		(2.7 - 5.1)E 0	(-1.5 - 2.1)E 0
			(0/ 4)		(0/ 2)	(0/ 4)

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

Table 3.9-1 (Continued)
Radiological Environmental Monitoring Program Summary
Seabrook Nuclear Power Station, Seabrook, NH
(January - December 2016)

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)		-8.3E -1	06	1.6E 1	2.1E 0
	(0)		(-3.8 - 1.6)E 1 (0/ 4)		(1.6 - 1.6)E 1 (0/ 2)	(-6.4 - 14.9)E 0 (0/ 4)
Ag-108m	(8)		2.4E 0	06	3.1E 0	-1.2E 0
	(0)		(8.2 - 54.7)E -1 (0/ 4)		(8.2 - 54.7)E -1 (0/ 2)	(-4.0 - 0.9)E 0 (0/ 4)
Ag-110m	(8)		-1.9E 0	56	1.2E 0	1.2E 0
	(0)		(-7.8 - 0.9)E 0 (0/ 4)		(1.1 - 1.3)E 0 (0/ 2)	(8.5 - 15.3)E -1 (0/ 4)
Sb-124	(8)		3.8E 0	06	4.4E 0	-2.3E 0
	(0)		(-5.8 - 644.0)E -2 (0/ 4)		(2.4 - 6.4)E 0 (0/ 2)	(-9.8 - 1.6)E 0 (0/ 4)
Sb-125	(8)		-2.7E 0	59	-1.3E 0	-1.4E 0
	(0)		(-5.8 - -0.1)E 0 (0/ 4)		(-1.6 - -1.0)E 0 (0/ 2)	(-2.8 - -0.1)E 0 (0/ 4)
I-131	(8)		-8.3E 0	56	1.8E -1	-2.0E 0
	(0)		(-3.6 - 0.7)E 1 (0/ 4)		(-3.7 - 7.2)E -1 (0/ 2)	(-6.2 - 0.7)E 0 (0/ 4)
Cs-134	(8)	130	7.7E -1	09	1.4E 0	-2.0E 0
	(0)		(-6.5 - 15.1)E -1 (0/ 4)		(1.3 - 1.5)E 0 (0/ 2)	(-3.6 - 0.6)E 0 (0/ 4)
Cs-137	(8)	150	-3.0E -1	56	2.6E 0	1.9E 0
	(0)		(-1.6 - 1.6)E 0 (0/ 4)		(2.0 - 3.3)E 0 (0/ 2)	(0.0 - 3.3)E 0 (0/ 4)
Ba-140	(8)		1.9E 1	09	3.3E 1	7.7E -1
	(0)		(-7.7 - 73.5)E 0 (0/ 4)		(-7.7 - 73.5)E 0 (0/ 2)	(-1.5 - 2.0)E 1 (0/ 4)
La-140	(8)		-2.0E 0	59	4.3E 0	1.1E 0
	(0)		(-1.6 - 0.4)E 1 (0/ 4)		(0.0 - 8.7)E 0 (0/ 2)	(-4.2 - 8.7)E 0 (0/ 4)
Ce-141	(8)		9.4E -1	06	2.7E 0	1.2E 0
	(0)		(-2.4 - 4.0)E 0 (0/ 4)		(1.5 - 4.0)E 0 (0/ 2)	(-2.5 - 3.7)E 0 (0/ 4)
Ce-144	(8)		1.6E 0	09	7.2E 0	-6.2E 0
	(0)		(-1.1 - 1.5)E 1 (0/ 4)		(-7.0 - 151.0)E -1 (0/ 2)	(-1.5 - 0.0)E 1 (0/ 4)
Tl-208	(8)		8.7E -2	59	2.2E 0	1.3E 0
	(0)		(-3.9 - 3.2)E 0 (0/ 4)		(9.9 - 34.8)E -1 (0/ 2)	(0.0 - 3.5)E 0 (0/ 4)

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

Table 3.9-1 (Continued)
Radiological Environmental Monitoring Program Summary
Seabrook Nuclear Power Station, Seabrook, NH
(January - December 2016)

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) (0)		4.7E 0 (-1.5 - 8.0)E 0 (1/ 4)	06	6.1E 0 (5.1 - 7.2)E 0 (1/ 2)	2.4E 0 (0.0 - 7.8)E 0 (0/ 4)
Pb-214 (8) (0)		3.3E 0 (-2.5 - 6.9)E 0 (0/ 4)	59	9.0E 0 (4.7 - 13.4)E 0 (0/ 2)	6.5E 0 (0.0 - 1.3)E 1 (0/ 4)
Bi-214 (8) (0)		4.5E 0 (1.5 - 7.8)E 0 (0/ 4)	56	7.5E 0 (5.6 - 9.5)E 0 (0/ 2)	4.3E 0 (0.0 - 9.5)E 0 (0/ 4)
Ra-226 (8) (0)		4.5E 0 (1.5 - 7.8)E 0 (0/ 4)	56	7.5E 0 (5.6 - 9.5)E 0 (0/ 2)	4.3E 0 (0.0 - 9.5)E 0 (0/ 4)
Ac-228 (8) (0)		1.6E 0 (-5.9 - 9.5)E 0 (0/ 4)	56	1.9E 1 (1.6 - 2.2)E 1 (0/ 2)	1.1E 1 (0.0 - 2.2)E 1 (0/ 4)
Th-228 (8) (0)		4.7E 0 (-1.5 - 8.0)E 0 (1/ 4)	06	6.1E 0 (5.1 - 7.2)E 0 (1/ 2)	2.4E 0 (0.0 - 7.8)E 0 (0/ 4)
Th-230 (8) (0)		4.5E 0 (1.5 - 7.8)E 0 (0/ 4)	56	7.5E 0 (5.6 - 9.5)E 0 (0/ 2)	4.3E 0 (0.0 - 9.5)E 0 (0/ 4)

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

Table 3.9-2
Radiological Environmental Monitoring Program Summary
Seabrook Nuclear Power Station, Seabrook, NH
(January - December 2016)

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)		-1.3E 2 (-1.7 - -0.8)E 2 (0/ 2)	56	-9.6E 1 (-1.1 - -0.8)E 2 (0/ 2)	-9.6E 1 (-1.1 - -0.8)E 2 (0/ 2)
Sr-90 (4) (0)		-3.1E 1 (-1.1 - 0.5)E 2 (0/ 2)	56	-1.5E 0 (-5.7 - 5.4)E 1 (0/ 2)	-1.5E 0 (-5.7 - 5.4)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. Although not required by Table 5.2-1, the LLDs associated with food products were applied to ensure adequate counting statistics. Naturally-occurring K-40 was detected in all samples and Be-7 was detected in two out of the four samples. Other naturally-occurring radionuclides detected include Th-228 (1 sample). For the off-shore indicator station (AL-05), no plant-related radionuclides were detected in any sample. 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 2016)

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

Radionuclides (No. Analyses) (Non-Routine*)	Required LLD	Indicator Stations Mean Range (No. Detected**)	Station With Highest Mean Station	Station With Highest Mean Mean Range (No. Detected**)	Control Stations Mean Range (No. Detected**)
Be-7 (4) (0)		5.8E 1 (3.5 - 8.0)E 1 (0/ 2)	55	2.9E 2 (2.5 - 3.3)E 2 (2/ 2)	2.9E 2 (2.5 - 3.3)E 2 (2/ 2)
K-40 (4) (0)		8.9E 3 (8.6 - 9.2)E 3 (2/ 2)	05	8.9E 3 (8.6 - 9.2)E 3 (2/ 2)	6.1E 3 (4.8 - 7.5)E 3 (2/ 2)
Cr-51 (4) (0)		2.8E 1 (1.6 - 4.0)E 1 (0/ 2)	55	7.1E 1 (1.4 - 12.8)E 1 (0/ 2)	7.1E 1 (1.4 - 12.8)E 1 (0/ 2)
Mn-54 (4) (0)		1.1E 0 (-2.4 - 4.6)E 0 (0/ 2)	55	3.2E 0 (-1.1 - 7.5)E 0 (0/ 2)	3.2E 0 (-1.1 - 7.5)E 0 (0/ 2)
Co-57 (4) (0)		2.3E 0 (1.6 - 2.9)E 0 (0/ 2)	05	2.3E 0 (1.6 - 2.9)E 0 (0/ 2)	9.9E -1 (7.3 - 12.5)E -1 (0/ 2)
Co-58 (4) (0)		5.4E -1 (1.3 - 9.5)E -1 (0/ 2)	05	5.4E -1 (1.3 - 9.5)E -1 (0/ 2)	-3.3E 0 (-4.3 - -2.4)E 0 (0/ 2)
Fe-59 (4) (0)		-6.0E 0 (-7.3 - -4.8)E 0 (0/ 2)	55	-3.3E 0 (-9.0 - 2.5)E 0 (0/ 2)	-3.3E 0 (-9.0 - 2.5)E 0 (0/ 2)
Co-60 (4) (0)		-1.3E -1 (-3.8 - 3.5)E 0 (0/ 2)	05	-1.3E -1 (-3.8 - 3.5)E 0 (0/ 2)	-2.1E 0 (-2.5 - -1.7)E 0 (0/ 2)
Zn-65 (4) (0)		3.6E 0 (2.1 - 5.2)E 0 (0/ 2)	05	3.6E 0 (2.1 - 5.2)E 0 (0/ 2)	-7.0E 0 (-1.0 - -0.4)E 1 (0/ 2)
Se-75 (4) (0)		1.8E 0 (1.7 - 2.0)E 0 (0/ 2)	55	7.6E 0 (4.3 - 11.0)E 0 (0/ 2)	7.6E 0 (4.3 - 11.0)E 0 (0/ 2)
Nb-95 (4) (0)		-3.7E -1 (-4.0 - 3.3)E 0 (0/ 2)	05	-3.7E -1 (-4.0 - 3.3)E 0 (0/ 2)	-1.1E 0 (-2.3 - 0.0)E 0 (0/ 2)
Zr-95 (4) (0)		-1.8E 0 (-6.7 - 3.1)E 0 (0/ 2)	55	-1.1E -1 (-3.9 - 3.7)E 0 (0/ 2)	-1.1E -1 (-3.9 - 3.7)E 0 (0/ 2)
Ru-103 (4) (0)		-1.4E 0 (-4.2 - 1.4)E 0 (0/ 2)	05	-1.4E 0 (-4.2 - 1.4)E 0 (0/ 2)	-5.1E 0 (-1.2 - 0.1)E 1 (0/ 2)

* Non-Routine refers to those radionuclides that exceeded the Reporting Levels in ODCM Table A.9.1-3.
** The fraction of detectable measurements (i.e., > 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 2016)

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

Radionuclides (No. Analyses) (Non-Routine*)	Required LLD	Indicator Stations Mean Range (No. Detected**)	Station With Highest Mean Station	Station With Highest Mean Mean Range (No. Detected**)	Control Stations Mean Range (No. Detected**)
Ru-106 (4) (0)		-2.9E 1 (-3.1 - -2.7)E 1 (0/ 2)	55	-1.4E 0 (-3.9 - 1.2)E 0 (0/ 2)	-1.4E 0 (-3.9 - 1.2)E 0 (0/ 2)
Ag-108m (4) (0)		-1.5E 0 (-1.7 - -1.2)E 0 (0/ 2)	55	1.3E 0 (6.1 - 20.6)E -1 (0/ 2)	1.3E 0 (6.1 - 20.6)E -1 (0/ 2)
Ag-110m (4) (0)		-2.4E 0 (-6.1 - 1.3)E 0 (0/ 2)	55	-1.5E 0 (-3.0 - 0.0)E 0 (0/ 2)	-1.5E 0 (-3.0 - 0.0)E 0 (0/ 2)
Sb-124 (4) (0)		1.6E 0 (-1.4 - 4.6)E 0 (0/ 2)	05	1.6E 0 (-1.4 - 4.6)E 0 (0/ 2)	-1.5E 0 (-2.1 - -0.9)E 0 (0/ 2)
Sb-125 (4) (0)		-4.4E 0 (-4.9 - -3.8)E 0 (0/ 2)	55	3.2E 0 (5.9 - 58.9)E -1 (0/ 2)	3.2E 0 (5.9 - 58.9)E -1 (0/ 2)
I-131 (4) (0)	60	3.4E 0 (1.0 - 5.8)E 0 (0/ 2)	55	9.1E 0 (-4.8 - 187.0)E -1 (0/ 2)	9.1E 0 (-4.8 - 187.0)E -1 (0/ 2)
Cs-134 (4) (0)	60	8.7E -1 (-3.9 - 178.0)E -2 (0/ 2)	05	8.7E -1 (-3.9 - 178.0)E -2 (0/ 2)	-5.1E 0 (-1.0 - 0.0)E 1 (0/ 2)
Cs-137 (4) (0)	80	3.7E 0 (1.4 - 6.0)E 0 (0/ 2)	55	4.6E 0 (1.7 - 7.5)E 0 (0/ 2)	4.6E 0 (1.7 - 7.5)E 0 (0/ 2)
Ba-140 (4) (0)		1.3E 0 (-8.0 - 10.6)E 0 (0/ 2)	55	1.8E 1 (1.4 - 2.2)E 1 (0/ 2)	1.8E 1 (1.4 - 2.2)E 1 (0/ 2)
La-140 (4) (0)		1.5E 0 (4.4 - 24.7)E -1 (0/ 2)	05	1.5E 0 (4.4 - 24.7)E -1 (0/ 2)	-1.1E 1 (-2.7 - 0.6)E 1 (0/ 2)
Ce-141 (4) (0)		-5.6E 0 (-1.0 - -0.1)E 1 (0/ 2)	55	-4.4E 0 (-7.3 - -1.5)E 0 (0/ 2)	-4.4E 0 (-7.3 - -1.5)E 0 (0/ 2)

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

Table 3.10-1
Radiological Environmental Monitoring Program Summary
Seabrook Nuclear Power Station, Seabrook, NH
(January - December 2016)

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

Radionuclides (No. Analyses) (Non-Routine*)	Required LLD	Indicator Stations: Mean Range (No. Detected**)	Station With Highest Mean: Station	Station With Highest Mean: Mean Range (No. Detected**)	Control Stations: Mean Range (No. Detected**)
Ce-144 (4) (0)		-1.6E 1 (-2.4 - -0.8)E 1 (0/ 2)	55	-5.9E 0 (-1.6 - 0.5)E 1 (0/ 2)	-5.9E 0 (-1.6 - 0.5)E 1 (0/ 2)
Ac-228 (4) (0)		-1.5E 1 (-1.9 - -1.2)E 1 (0/ 2)	55	3.7E 0 (0.0 - 7.4)E 0 (0/ 2)	3.7E 0 (0.0 - 7.4)E 0 (0/ 2)
Th-228 (4) (0)		1.1E 1 (7.3 - 14.6)E 0 (0/ 2)	55	2.8E 1 (2.0 - 3.6)E 1 (2/ 2)	2.8E 1 (2.0 - 3.6)E 1 (2/ 2)

* Non-Routine refers to those radionuclides that exceeded the Reporting Levels in ODCM Table A.9.1-3.
** The fraction of detectable measurements (i.e., > 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 2016 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 400154001, 2, & 3), green beans and peas in July (Lab numbers 402319001, 2, & 3) and tomatoes in August (Lab numbers 404121001, 2 & 3).

A gamma analysis was performed on each sample. Naturally-occurring K-40 was detected in all samples for both indicator and control stations. 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 2016)

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

Radionuclides (No. Analyses) (Non-Routine*)	Required LLD	Indicator Stations: Mean Range (No. Detected**)	Station With Highest Mean: Station	Station With Highest Mean: Mean Range (No. Detected**)	Control Stations: Mean Range (No. Detected**)
Be-7 (9) (0)		1.6E 1 (-1.4 - 3.9)E 1 (0/ 6)	03	2.3E 1 (3.3 - 38.6)E 0 (0/ 3)	8.8E 0 (5.5 - 2530.0)E -2 (0/ 3)
K-40 (9) (0)		1.9E 3 (1.4 - 3.1)E 3 (6/ 6)	03	2.1E 3 (1.5 - 3.1)E 3 (3/ 3)	1.6E 3 (1.4 - 1.8)E 3 (3/ 3)
Cr-51 (9) (0)		-8.8E 0 (-5.7 - 1.7)E 1 (0/ 6)	06	1.2E 1 (-3.8 - 21.9)E 0 (0/ 3)	1.2E 1 (-3.8 - 21.9)E 0 (0/ 3)
Mn-54 (9) (0)		-1.3E 0 (-3.8 - 1.1)E 0 (0/ 6)	06	9.3E -1 (-7.1 - 22.5)E -1 (0/ 3)	9.3E -1 (-7.1 - 22.5)E -1 (0/ 3)
Co-57 (9) (0)		6.1E -2 (-2.1 - 1.9)E 0 (0/ 6)	03	7.4E -1 (1.6 - 18.6)E -1 (0/ 3)	-4.8E -1 (-2.4 - 0.7)E 0 (0/ 3)
Co-58 (9) (0)		1.1E 0 (-1.7 - 5.8)E 0 (0/ 6)	03	1.2E 0 (-1.1 - 4.3)E 0 (0/ 3)	-7.5E -1 (-1.1 - -0.1)E 0 (0/ 3)
Fe-59 (9) (0)		-7.6E -1 (-2.9 - 3.8)E 0 (0/ 6)	06	-4.4E -1 (-5.4 - 6.1)E 0 (0/ 3)	-4.4E -1 (-5.4 - 6.1)E 0 (0/ 3)
Co-60 (9) (0)		-6.7E -1 (-2.4 - 1.7)E 0 (0/ 6)	06	8.6E -1 (-6.0 - 20.8)E -1 (0/ 3)	8.6E -1 (-6.0 - 20.8)E -1 (0/ 3)
Zn-65 (9) (0)		-2.9E 0 (-1.2 - 0.7)E 1 (0/ 6)	06	3.4E 0 (-8.0 - 75.8)E -1 (0/ 3)	3.4E 0 (-8.0 - 75.8)E -1 (0/ 3)
Se-75 (9) (0)		4.0E -1 (-3.3 - 2.8)E 0 (0/ 6)	03	1.2E 0 (3.6 - 27.5)E -1 (0/ 3)	9.4E -1 (-1.0 - 3.2)E 0 (0/ 3)
Nb-95 (9) (0)		2.2E 0 (-4.6 - 88.9)E -1 (0/ 6)	02	2.7E 0 (-4.6 - 88.9)E -1 (0/ 3)	-1.3E 0 (-4.5 - 0.6)E 0 (0/ 3)
Zr-95 (9) (0)		-4.0E -1 (-7.1 - 7.9)E 0 (0/ 6)	02	2.9E 0 (-8.6 - 786.0)E -2 (0/ 3)	1.9E 0 (-7.5 - 500.0)E -2 (0/ 3)
Ru-103 (9) (0)		-2.1E 0 (-6.5 - 0.9)E 0 (0/ 6)	03	-1.1E 0 (-3.6 - 0.9)E 0 (0/ 3)	-2.2E 0 (-2.9 - -1.3)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 2016)

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

Radionuclides (No. Analyses) (Non-Routine*)	Required LLD	Indicator Stations Mean Range (No. Detected**)	Station With Highest Mean Station	Station With Highest Mean Mean Range (No. Detected**)	Control Stations Mean Range (No. Detected**)
Ru-106 (9) (0)		6.9E 0 (-5.7 - 34.9)E 0 (0/ 6)	02	1.6E 1 (2.3 - 34.9)E 0 (0/ 3)	2.5E 0 (-1.7 - 8.2)E 0 (0/ 3)
Ag-108m (9) (0)		-2.7E -1 (-2.3 - 2.5)E 0 (0/ 6)	06	2.1E -1 (3.4 - 44.5)E -2 (0/ 3)	2.1E -1 (3.4 - 44.5)E -2 (0/ 3)
Ag-110m (9) (0)		1.0E 0 (-2.5 - 8.5)E 0 (0/ 6)	02	2.8E 0 (-2.5 - 8.5)E 0 (0/ 3)	8.6E -1 (-6.3 - 24.0)E -1 (0/ 3)
Sb-124 (9) (0)		3.5E 0 (-5.0 - 10.3)E 0 (0/ 6)	02	4.6E 0 (1.9 - 9.6)E 0 (0/ 3)	2.0E 0 (-1.3 - 8.0)E 0 (0/ 3)
Sb-125 (9) (0)		-9.5E -1 (-2.0 - 0.5)E 1 (0/ 6)	03	1.7E 0 (-1.6 - 5.1)E 0 (0/ 3)	8.2E -1 (-4.5 - 29.3)E -1 (0/ 3)
I-131 (9) (0)	60	-2.2E 0 (-8.9 - 1.5)E 0 (0/ 6)	06	-1.1E 0 (-2.2 - -0.3)E 0 (0/ 3)	-1.1E 0 (-2.2 - -0.3)E 0 (0/ 3)
Cs-134 (9) (0)	60	4.5E -1 (-2.2 - 2.6)E 0 (0/ 6)	03	1.8E 0 (8.5 - 25.9)E -1 (0/ 3)	3.5E -1 (5.7 - 67.8)E -2 (0/ 3)
Cs-137 (9) (0)	80	-3.7E -1 (-4.7 - 2.6)E 0 (0/ 6)	03	8.2E -1 (-4.0 - 25.9)E -1 (0/ 3)	5.1E -1 (-2.5 - 2.9)E 0 (0/ 3)
Ba-140 (9) (0)		1.4E 0 (-8.7 - 13.5)E 0 (0/ 6)	03	1.6E 0 (-7.7 - 12.1)E 0 (0/ 3)	-7.0E 0 (-2.1 - 0.4)E 1 (0/ 3)
La-140 (9) (0)		8.1E -1 (-9.7 - 42.1)E -1 (0/ 6)	03	9.9E -1 (-8.6 - 42.1)E -1 (0/ 3)	-6.7E -1 (-4.3 - 3.5)E 0 (0/ 3)
Ce-141 (9) (0)		2.1E 0 (-2.5 - 7.5)E 0 (0/ 6)	03	2.3E 0 (1.4 - 3.2)E 0 (0/ 3)	2.3E 0 (-3.8 - 52.9)E -1 (0/ 3)
Ce-144 (9) (0)		6.0E 0 (-5.2 - 24.6)E 0 (0/ 6)	02	1.0E 1 (-5.2 - 24.6)E 0 (0/ 3)	2.7E 0 (-8.7 - 10.3)E 0 (0/ 3)
Ac-228 (9) (0)		5.3E 0 (-1.1 - 1.9)E 1 (0/ 6)	02	1.4E 1 (5.3 - 18.7)E 0 (0/ 3)	6.1E 0 (-5.9 - 19.3)E 0 (0/ 3)
Th-228 (9) (0)		2.9E 0 (7.3 - 74.9)E -1 (0/ 6)	02	3.3E 0 (7.8 - 74.9)E -1 (0/ 3)	-3.3E 0 (-1.2 - 0.1)E 1 (0/ 3)

* Non-Routine refers to those radionuclides that exceeded the Reporting Levels in ODCM Table A.9.1-3.
** The fraction of detectable measurements (i.e., > 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 2016 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 2016, 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. Naturally-occurring Ac-228 and Th-228 were detected in 1 out of 18 samples. Fission product related Cs-137 was detected positive in 2 of the control samples from location TG-10 at concentrations of 104 pCi/kg (sample # 398370003) and 18.8 pCi/kg (sample # 400154006). Cesium-137 has been detected in broad leafy vegetation in past years at comparable activity levels as detected in 2016, 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 2016, 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 2016)

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)		8.1E 2 (1.1 - 22.1)E 2 (12/ 12)	08	9.9E 2 (1.1 - 22.1)E 2 (6/ 6)	9.4E 2 (2.8 - 31.0)E 2 (6/ 6)
K-40 (18) (0)		3.9E 3 (2.2 - 5.6)E 3 (12/ 12)	09	4.2E 3 (2.3 - 5.6)E 3 (6/ 6)	3.9E 3 (2.3 - 5.1)E 3 (6/ 6)
Cr-51 (18) (0)		-9.7E 0 (-1.7 - 0.5)E 2 (0/ 12)	08	2.4E 1 (-7.2 - 47.8)E 0 (0/ 6)	1.2E 1 (-3.8 - 6.5)E 1 (0/ 6)
Mn-54 (18) (0)		-2.1E 0 (-9.4 - 8.6)E 0 (0/ 12)	10	1.5E -1 (-7.4 - 12.9)E 0 (0/ 6)	1.5E -1 (-7.4 - 12.9)E 0 (0/ 6)
Co-57 (18) (0)		1.3E 0 (-1.4 - 5.8)E 0 (0/ 12)	09	1.7E 0 (-1.4 - 5.8)E 0 (0/ 6)	2.3E -1 (-6.0 - 4.4)E 0 (0/ 6)
Co-58 (18) (0)		1.5E 0 (-3.5 - 11.5)E 0 (0/ 12)	10	2.2E 0 (-3.5 - 17.3)E 0 (0/ 6)	2.2E 0 (-3.5 - 17.3)E 0 (0/ 6)
Fe-59 (18) (0)		-1.8E 0 (-3.1 - 2.0)E 1 (0/ 12)	09	4.3E 0 (-7.2 - 20.2)E 0 (0/ 6)	3.5E 0 (-4.7 - 13.1)E 0 (0/ 6)
Co-60 (18) (0)		2.7E 0 (-3.0 - 12.3)E 0 (0/ 12)	08	3.8E 0 (-9.4 - 123.0)E -1 (0/ 6)	1.5E -1 (-7.4 - 7.8)E 0 (0/ 6)
Zn-65 (18) (0)		-5.3E -1 (-2.4 - 2.0)E 1 (0/ 12)	09	4.3E 0 (-1.8 - 19.8)E 0 (0/ 6)	-2.5E 0 (-7.6 - 3.7)E 0 (0/ 6)
Se-75 (18) (0)		-1.5E -1 (-1.1 - 0.5)E 1 (0/ 12)	10	1.5E 0 (-1.5 - 8.3)E 0 (0/ 6)	1.5E 0 (-1.5 - 8.3)E 0 (0/ 6)
Nb-95 (18) (0)		2.1E 0 (-5.1 - 8.1)E 0 (0/ 12)	08	2.9E 0 (-3.9 - 8.1)E 0 (0/ 6)	1.7E 0 (-3.2 - 9.2)E 0 (0/ 6)
Zr-95 (18) (0)		-4.3E 0 (-3.4 - 0.7)E 1 (0/ 12)	10	6.6E 0 (-9.5 - 43.9)E 0 (0/ 6)	6.6E 0 (-9.5 - 43.9)E 0 (0/ 6)
Ru-103 (18) (0)		-2.2E 0 (-8.5 - 3.7)E 0 (0/ 12)	09	-1.0E -1 (-8.5 - 3.7)E 0 (0/ 6)	-1.2E 0 (-1.2 - 0.7)E 1 (0/ 6)
Ru-106 (18) (0)		3.3E 1 (-6.6 - 18.7)E 1 (0/ 12)	09	3.7E 1 (-6.6 - 18.7)E 1 (0/ 6)	2.6E 0 (-5.0 - 8.4)E 1 (0/ 6)

* Non-Routine refers to those radionuclides that exceeded the Reporting Levels in ODCM Table A.9.1-3.
** The fraction of detectable measurements (i.e., > 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 2016)

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**)
Ag-108m (18) (0)		-9.6E -1 (-9.6 - 6.2)E 0 (0/ 12)	10	1.8E 0 (-5.0 - 10.5)E 0 (0/ 6)	1.8E 0 (-5.0 - 10.5)E 0 (0/ 6)
Ag-110m (18) (0)		2.3E 0 (-3.2 - 12.4)E 0 (0/ 12)	09	3.9E 0 (5.8 - 1240.0)E -2 (0/ 6)	3.2E 0 (-3.4 - 15.9)E 0 (0/ 6)
Sb-124 (18) (0)		3.1E 0 (-5.8 - 19.5)E 0 (0/ 12)	08	6.1E 0 (-5.2 - 19.5)E 0 (0/ 6)	2.4E 0 (-6.5 - 18.3)E 0 (0/ 6)
Sb-125 (18) (0)		1.4E 1 (-1.3 - 5.4)E 1 (0/ 12)	09	1.7E 1 (-5.7 - 54.1)E 0 (0/ 6)	1.0E -2 (-3.4 - 1.4)E 1 (0/ 6)
I-131 (18) (0)	60	-4.0E -1 (-1.2 - 3.1)E 1 (0/ 12)	08	1.5E 0 (-1.2 - 3.1)E 1 (0/ 6)	-3.4E 0 (-3.4 - 1.0)E 1 (0/ 6)
Cs-134 (18) (0)	60	5.2E 0 (-1.5 - 32.6)E 0 (0/ 12)	09	6.6E 0 (-1.5 - 32.6)E 0 (0/ 6)	4.6E 0 (-4.7 - 10.8)E 0 (0/ 6)
Cs-137 (18) (0)	80	1.3E 0 (-4.7 - 13.1)E 0 (0/ 12)	10	2.3E 1 (-5.4 - 104.0)E 0 (2/ 6)	2.3E 1 (-5.4 - 104.0)E 0 (2/ 6)
Ba-140 (18) (0)		-1.5E 0 (-1.7 - 1.5)E 1 (0/ 12)	10	2.0E 1 (-4.3 - 81.3)E 0 (0/ 6)	2.0E 1 (-4.3 - 81.3)E 0 (0/ 6)
La-140 (18) (0)		-3.7E -2 (-9.8 - 18.1)E 0 (0/ 12)	09	6.7E -1 (-8.5 - 18.1)E 0 (0/ 6)	1.4E -1 (-1.9 - 1.5)E 1 (0/ 6)
Ce-141 (18) (0)		-2.4E 0 (-3.2 - 1.0)E 1 (0/ 12)	09	-1.6E 0 (-1.2 - 1.0)E 1 (0/ 6)	-2.3E 0 (-3.5 - 1.1)E 1 (0/ 6)
Ce-144 (18) (0)		-1.2E 1 (-4.8 - 1.3)E 1 (0/ 12)	10	-3.2E 0 (-5.6 - 4.2)E 1 (0/ 6)	-3.2E 0 (-5.6 - 4.2)E 1 (0/ 6)
Ac-228 (18) (0)		1.5E 1 (-1.4 - 6.2)E 1 (0/ 12)	10	3.7E 1 (0.0 - 9.4)E 1 (1/ 6)	3.7E 1 (0.0 - 9.4)E 1 (1/ 6)
Th-228 (18) (0)		6.1E 0 (-1.6 - 2.2)E 1 (1/ 12)	10	1.0E 1 (0.0 - 2.4)E 1 (0/ 6)	1.0E 1 (0.0 - 2.4)E 1 (0/ 6)

* Non-Routine refers to those radionuclides that exceeded the Reporting Levels in ODCM Table A.9.1-3.
** The fraction of detectable measurements (i.e., > 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. The badges were collected and read on a quarterly schedule. A location result is an average of six independent readings per quarter. A total of forty-six stations are located offsite, forty of which are required by the ODCM.

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 2016 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 2016 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 based 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 (3rd quarter 2009 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 their 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 2016 annual mean of all indicator locations was 16.7 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 2016 observed differences in individual TLD location average quarterly measurements when compared with the expected 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 2016.

Starting in 2015, a supplemental analytical method was implemented to evaluate the TLD measurements. Using the method described in ANSI/HPS N13.37-2014, quarterly and annual baseline dose for each TLD location was determined using appropriate statistical analytical methods considering data from 2004 through 2014. Quarterly and annual dose for 2016 was compared to baseline values to determine if an Investigation Level had been exceeded for evaluation of potential dose to a member of the public. An Investigation Level is considered to be exceeded under the following conditions:

$$\text{Quarterly: If } M_Q > (B_Q + MDD_Q), \text{ then } F_Q = M_Q - B_Q$$

Where:

M_Q is the normalized quarterly field measurement result
B_Q is the quarterly baseline background dose
MDD_Q is the quarterly minimum differential dose and
F_Q is the quarterly facility related dose

Or: Annually: If $M_A > (B_A + MDD_A)$, then $F_A = M_A - B_A$

Where:

M_A is the sum of the four normalized quarterly measurement values
B_A is the annual baseline background dose
MDD_A is the annual minimum differential dose
F_A is the annual facility related dose

Table 3.13-3 summarizes the evaluation of the TLD measurements using the methodology described in ANSI/HPS N13.37-2014. As noted in Table 3.13-3, TLD location TL-24 (Ferry Lots Lane, Salisbury) was found to have a calculated quarterly facility dose of 4.5 mR in the 3rd quarter and an annual facility related dose of 12.0 mR when comparing the measured TLD value against the quarterly and annual baseline values. However, this dose was determined not to be facility related due to the distance of this TLD location with respect to the plant (7.2 km) and the lack of any observed dose for TLD locations closer to the plant. The observed dose is likely a result of a change in the environment at the TLD location. If the TLD measurements for this location continue to indicate this increased trend, the quarterly and annual baseline values will be adjusted accordingly.

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)

2016

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. Exp.
TL-01	Brimmer's Lane	17.3	+	0.6	18.4	+	1.0	19.2	+	1.2	19.2	+	0.8	18.5
TL-02	Landing Road	13.6	+	0.5	14.0	+	0.7	15.2	+	0.8	15.5	+	0.8	14.6
TL-03	Glade Path	14.6	+	0.8	14.8	+	0.9	14.6	+	0.6	15.5	+	0.8	14.9
TL-04	Island Path	15.6	+	0.6	15.9	+	0.8	16.5	+	0.7	17.1	+	1.2	16.3
TL-05	Harbor Road	14.4	+	0.7	14.8	+	0.6	15.2	+	0.8	15.7	+	0.9	15.0
TL-06	Barge Landing	14.8	+	0.9	15.0	+	0.7	15.3	+	0.7	15.3	+	0.9	15.1
TL-07	Cross Road	12.6	+	0.5	12.9	+	0.5	12.8	+	0.7	13.7	+	0.7	13.0
TL-08	Farm Lane	15.1	+	1.0	15.5	+	0.6	15.6	+	0.7	16.0	+	1.0	15.6
TL-09	Farm Lane	15.8	+	0.6	16.5	+	0.6	16.2	+	0.8	17.8	+	0.8	16.6
TL-10	Site Boundary	14.9	+	0.6	16.5	+	1.0	16.7	+	0.8	17.6	+	1.0	16.4
TL-11	Site Boundary	16.8	+	0.7	18.8	+	0.8	18.1	+	1.0	19.1	+	0.8	18.2
TL-12	Site Boundary	17.7	+	0.8	19.4	+	1.0	19.1	+	0.8	19.8	+	1.0	19.0
TL-13	Inside Site Boundary	17.1	+	0.6	18.6	+	0.9	18.1	+	0.9	18.9	+	1.2	18.2
TL-14	Trailer Park	15.7	+	0.7	16.0	+	0.9	16.8	+	0.8	17.1	+	0.8	16.4
TL-15	Brimmer's Lane	17.5	+	0.8	18.6	+	0.8	20.1	+	1.1	20.1	+	1.2	19.1
TL-16	Brimmer's Lane	16.0	+	0.6	16.0	+	0.7	16.9	+	0.9	17.7	+	0.9	16.7
TL-17	South Road	15.8	+	0.6	17.0	+	0.7	17.4	+	1.1	17.6	+	1.0	17.0
TL-18	Mill Road	15.3	+	0.9	16.3	+	0.7	17.3	+	0.9	17.1	+	0.8	16.5
TL-19	Appledore Avenue	14.9	+	0.6	15.7	+	0.5	16.0	+	0.7	16.0	+	0.6	15.7
TL-20	Ashworth Avenue	15.9	+	0.5	16.4	+	0.9	16.7	+	0.8	17.2	+	0.8	16.6
TL-21	Route 1A	17.6	+	0.7	18.2	+	0.8	19.8	+	0.9	19.5	+	0.9	18.8
TL-22	Cable Avenue	15.0	+	0.5	15.6	+	0.6	16.8	+	0.8	16.3	+	0.8	15.9
TL-23	Ferry Road	15.1	+	0.7	15.4	+	0.8	16.8	+	0.9	16.3	+	0.7	15.9
TL-24	Ferry Lots Lane	16.8	+	0.7	17.5	+	0.7	19.6	+	1.0	18.5	+	0.9	18.1
TL-25	Elm Street	15.2	+	0.5	15.9	+	0.8	15.7	+	0.8	16.2	+	1.0	15.8
TL-26	Route 107A	14.6	+	0.6	16.2	+	0.7	16.1	+	0.8	16.0	+	0.9	15.7
TL-27	Highland Street	16.0	+	0.7	16.8	+	0.8	16.8	+	1.0	17.8	+	0.9	16.9
TL-28	Route 150	16.2	+	0.8	17.2	+	0.9	17.2	+	0.7	17.6	+	1.1	17.1
TL-29	Frying Pan Lane	15.7	+	0.6	16.2	+	0.7	15.8	+	0.8	16.2	+	0.8	16.0
TL-30	Route 27	16.1	+	0.7	18.0	+	0.8	18.0	+	0.8	18.2	+	0.9	17.6
TL-31	Alumni Drive	13.8	+	0.8	14.6	+	0.7	14.8	+	0.7	15.6	+	1.1	14.7
TL-32	SB Elementary School	17.0	+	0.7	18.4	+	0.9	17.9	+	0.9	18.7	+	0.8	18.0
TL-33	Dock Area		(1)		17.0	+	0.8	17.4	+	0.9	12.5	+	0.6	15.6
TL-34	Bow Street	17.8	+	0.7	19.3	+	0.8	18.9	+	1.0	20.9	+	0.9	19.2
TL-35	Lincoln Ack. School	17.7	+	0.5	18.7	+	1.0	19.1	+	1.0	19.5	+	0.9	18.8
TL-36	Route 97(Control)	15.2	+	0.5	15.0	+	0.6	15.2	+	0.7	16.0	+	0.8	15.4
TL-37	Plaistow, NH (Control)	17.5	+	0.8	17.9	+	0.7	18.1	+	0.8	19.1	+	1.0	18.2
TL-38	Hampstead, NH (Control)	20.0	+	1.1	20.1	+	0.9	17.8	+	0.8	18.1	+	0.8	19.0

TABLE 3.13-1 (Continued)

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

2016

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. Exp.
TL-39	Fremont, NH (Control)	20.8	+ 0.9	21.1	+ 0.8	21.3	+ 1.1	21.8	+ 1.0	21.3
TL-40	Newmarket, NH (Control)	16.9	+ 0.7	18.5	+ 1.2	17.5	+ 0.9	18.0	+ 0.7	17.7
TL-41	Portsmouth, NH (Control)	16.9	+ 0.8	17.3	+ 0.9	17.0	+ 0.8	17.7	+ 0.7	17.2
TL-42	Ipswich, MA (Control)	14.3	+ 0.6	14.2	+ 0.6	14.1	+ 0.9	14.6	+ 0.8	14.3
TL-44	SB Education Center	14.2	+ 0.6	15.2	+ 0.5	15.0	+ 0.6	15.3	+ 0.8	14.9
TL-45	Hampton Fire Station	16.0	+ 1.0	16.7	+ 0.6	16.2	+ 0.8	16.9	+ 0.9	16.5
TL-46	SB Police Station	16.6	+ 0.6	17.4	+ 0.7	15.7	+ 0.9	17.4	+ 0.7	16.8
TL-47	Route 84	16.2	+ 0.6	16.9	+ 0.6	16.7	+ 0.8	18.2	+ 0.9	17.0
	Mean of Indicators	15.8		16.7		16.9		17.3		16.7
	Mean of Controls	17.4		17.7		17.3		17.9		17.6

(1) TLD missing at time of collection.

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

Table 3.13-3

Facility Related Dose using ANSI/HPS N13.37-2014 Methodology

		Quarterly Ave.					Quarterly Facility Dose				Annual	2016	Annual Facility Dose
		Baseline, B_Q	2016 Quarterly Monitoring Data, M_Q (mR/qtr)				$F_Q = M_Q - (B_Q+MDD_Q)$				Baseline, B_A	2016 Annual TLD Data, M_A	$F_A = M_A - (B_A+MDD_A)$
		mR	1	2	3	4	1	2	3	4	mR	mR	
TL-01	Brimmer's Lane	18.6	17.3	18.4	19.2	19.2	ND	ND	ND	ND	74.5	74.1	ND
TL-02	Landing Road	13.8	13.6	14.0	15.2	15.5	ND	ND	ND	ND	55.1	58.2	ND
TL-03	Glade Path	14.9	14.6	14.8	14.6	15.5	ND	ND	ND	ND	59.5	59.4	ND
TL-04	Island Path	15.9	15.6	15.9	16.5	17.1	ND	ND	ND	ND	63.7	65.1	ND
TL-05	Harbor Road	14.6	14.4	14.8	15.2	15.7	ND	ND	ND	ND	58.1	60.1	ND
TL-06	Barge Landing	14.6	14.8	15.0	15.3	15.3	ND	ND	ND	ND	58.6	60.4	ND
TL-07	Cross Road	12.5	12.6	12.9	12.8	13.7	ND	ND	ND	ND	50.0	52.0	ND
TL-08	Farm Lane	15.8	15.1	15.5	15.6	16.0	ND	ND	ND	ND	63.1	62.3	ND
TL-09	Farm Lane	16.3	15.8	16.5	16.2	17.8	ND	ND	ND	ND	65.3	66.2	ND
TL-10	Site Boundary	17.2	14.9	16.5	16.7	17.6	ND	ND	ND	ND	68.7	65.6	ND
TL-11	Site Boundary	17.5	16.8	18.8	18.1	19.1	ND	ND	ND	ND	69.9	72.7	ND
TL-12	Site Boundary	18.2	17.7	19.4	19.1	19.8	ND	ND	ND	ND	72.6	76.0	ND
TL-13	Inside Site Boundary	19.2	17.1	18.6	18.1	18.9	ND	ND	ND	ND	77.0	72.8	ND
TL-14	Trailer Park	15.9	15.7	16.0	16.8	17.1	ND	ND	ND	ND	63.5	65.7	ND
TL-15	Brimmer's Lane	18.8	17.5	18.6	20.1	20.1	ND	ND	ND	ND	75.0	76.2	ND
TL-16	Brimmer's Lane	16.2	16.0	16.0	16.9	17.7	ND	ND	ND	ND	64.8	66.6	ND
TL-17	South Road	16.3	15.8	17.0	17.4	17.6	ND	ND	ND	ND	65.2	67.7	ND
TL-18	Mill Road	15.5	15.3	16.3	17.3	17.1	ND	ND	ND	ND	62.0	65.9	ND
TL-19	Appledore Avenue	15.5	14.9	15.7	16.0	16.0	ND	ND	ND	ND	62.1	62.6	ND
TL-20	Ashworth Avenue	17.5	15.9	16.4	16.7	17.2	ND	ND	ND	ND	70.2	66.3	ND
TL-21	Route 1A	16.6	17.6	18.2	19.8	19.5	ND	ND	ND	ND	66.3	75.1	ND
TL-22	Cable Avenue	16.3	15.0	15.6	16.8	16.3	ND	ND	ND	ND	65.4	63.6	ND
TL-23	Ferry Road	15.7	15.1	15.4	16.8	16.3	ND	ND	ND	ND	62.7	63.6	ND

Table 3.13-3 (Cont'd)

Facility Related Dose using ANSI/HPS N13.37-2014 Methodology

		Baseline B_Q	Quarterly Ave. 2016 Quarterly Monitoring Data, M_Q (mR/qtr)				Quarterly Facility Dose $F_Q = M_Q - (B_Q+MDD_Q)$				Annual Baseline B_A	2016 Annual TLD Data, M_A	Annual Facility Dose $F_A = M_A - (B_A+MDD_A)$
		mR	1	2	3	4	1	2	3	4	mR	mR	
TL-24	Ferry Lots Lane	15.1	16.8	17.5	19.6	18.5	ND	ND	(1)	ND	60.4	72.5	(1)
TL-25	Elm Street	15.6	15.2	15.9	15.7	16.2	ND	ND	ND	ND	62.3	63.0	ND
TL-26	Route 107A	15.4	14.6	16.2	16.1	16.0	ND	ND	ND	ND	61.8	62.9	ND
TL-27	Highland Street	16.1	16.0	16.8	16.8	17.8	ND	ND	ND	ND	64.3	67.5	ND
TL-28	Route 150	16.2	16.2	17.2	17.2	17.6	ND	ND	ND	ND	64.9	68.1	ND
TL-29	Frying Pan Lane	15.4	15.7	16.2	15.8	16.2	ND	ND	ND	ND	61.6	63.7	ND
TL-30	Route 27	15.7	16.1	18.0	18.0	18.2	ND	ND	ND	ND	62.9	70.3	ND
TL-31	Alumni Drive	14.3	13.8	14.6	14.8	15.6	ND	ND	ND	ND	57.0	58.9	ND
TL-32	SB Elementary School	17.8	17.0	18.4	17.9	18.7	ND	ND	ND	ND	71.2	71.9	ND
TL-33	Dock Area	21.4		17.0	17.4	12.5	ND	ND	ND	ND	84.4	46.8	ND
TL-34	Bow Street	19.5	17.8	19.3	18.9	20.9	ND	ND	ND	ND	78.2	77.0	ND
TL-35	Lincoln Ack. School	18.2	17.7	18.7	19.1	19.5	ND	ND	ND	ND	72.6	74.9	ND
TL-36	Route 97(Control)	15.4	15.2	15.0	15.2	16.0	ND	ND	ND	ND	61.9	61.4	ND
TL-37	Plaistow, NH (Control)	18.0	17.5	17.9	18.1	19.1	ND	ND	ND	ND	72.0	72.6	ND
TL-38	Hampstead, NH (Control)	19.8	20.0	20.1	17.8	18.1	ND	ND	ND	ND	79.3	75.9	ND
TL-39	Fremont, NH (Control)	21.3	20.8	21.1	21.3	21.8	ND	ND	ND	ND	85.2	85.1	ND
TL-40	Newmarket, NH (Control)	16.7	16.9	18.5	17.5	18.0	ND	ND	ND	ND	66.9	70.9	ND
TL-41	Portsmouth, NH (Control)	16.9	16.9	17.3	17.0	17.7	ND	ND	ND	ND	67.6	68.9	ND
TL-42	Ipswich, MA (Control)	14.3	14.3	14.2	14.1	14.6	ND	ND	ND	ND	57.2	57.2	ND
TL-44	SB Education Center	14.8	14.2	15.2	15.0	15.3	ND	ND	ND	ND	59.0	59.7	ND

Table 3.13-3 (Cont'd)

Facility Related Dose using ANSI/HPS N13.37-2014 Methodology

		Baseline B_Q	Quarterly Ave. 2016 Quarterly Monitoring Data, M_Q (mR/qtr)				Quarterly Facility Dose $F_Q = M_Q - (B_Q+MDD_Q)$				Annual Baseline B_A	2016 Annual TLD Data, M_A	Annual Facility Dose $F_A = M_A - (B_A+MDD_A)$
		mR	1	2	3	4	1	2	3	4	mR	mR	
TL-45	Hampton Fire Station	16.9	16.0	16.7	16.2	16.9	ND	ND	ND	ND	67.7	65.8	ND
TL-46	SB Police Station	16.7	16.6	17.4	15.7	17.4	ND	ND	ND	ND	66.7	67.1	ND
TL-47	Route 84	15.6	16.2	16.9	16.7	18.2	ND	ND	ND	ND	62.4	68.0	ND

MDD_Q = 4.46 = minimum differential exposure, quarterly, 3 times 90th percentile S_Q determined from analysis in mR.

MDD_A = 8.89 = minimum differential exposure, annual, 3 times 90th percentile S_A determined from analysis in mR.

B_Q = Quarterly baseline exposure (mR).

M_Q = location's 91 day standard quarterly exposure (mR).

L_Q = Quarterly Investigative Level exposure (mR).

B_A = Quarterly baseline background average exposure (mR).

M_A = Annual monitoring data, determined by summing the quarterly data over all four quarters (mR).

L_A = Annual Investigative Level exposure (mR).

ND = Facility contribution to exposure "Not Detected"

(1) A quarterly dose of 4.5 mR and an annual dose of 12.0 mR was calculated for location TL-24 using the ANSI/HPS N13.37-2014 methodology. However, this dose was determined not to be facility related due to the distance of this TLD location with respect to the plant (7.2 km) and the lack of any observed dose for TLD locations closer to the plant. The observed dose is likely a result of a change in the environment at the TLD location. If the TLD measurements for this location continue to indicate this increased trend, the quarterly and annual baseline values will be adjusted accordingly.

FIGURE 3.6

ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs) SEABROOK STATION

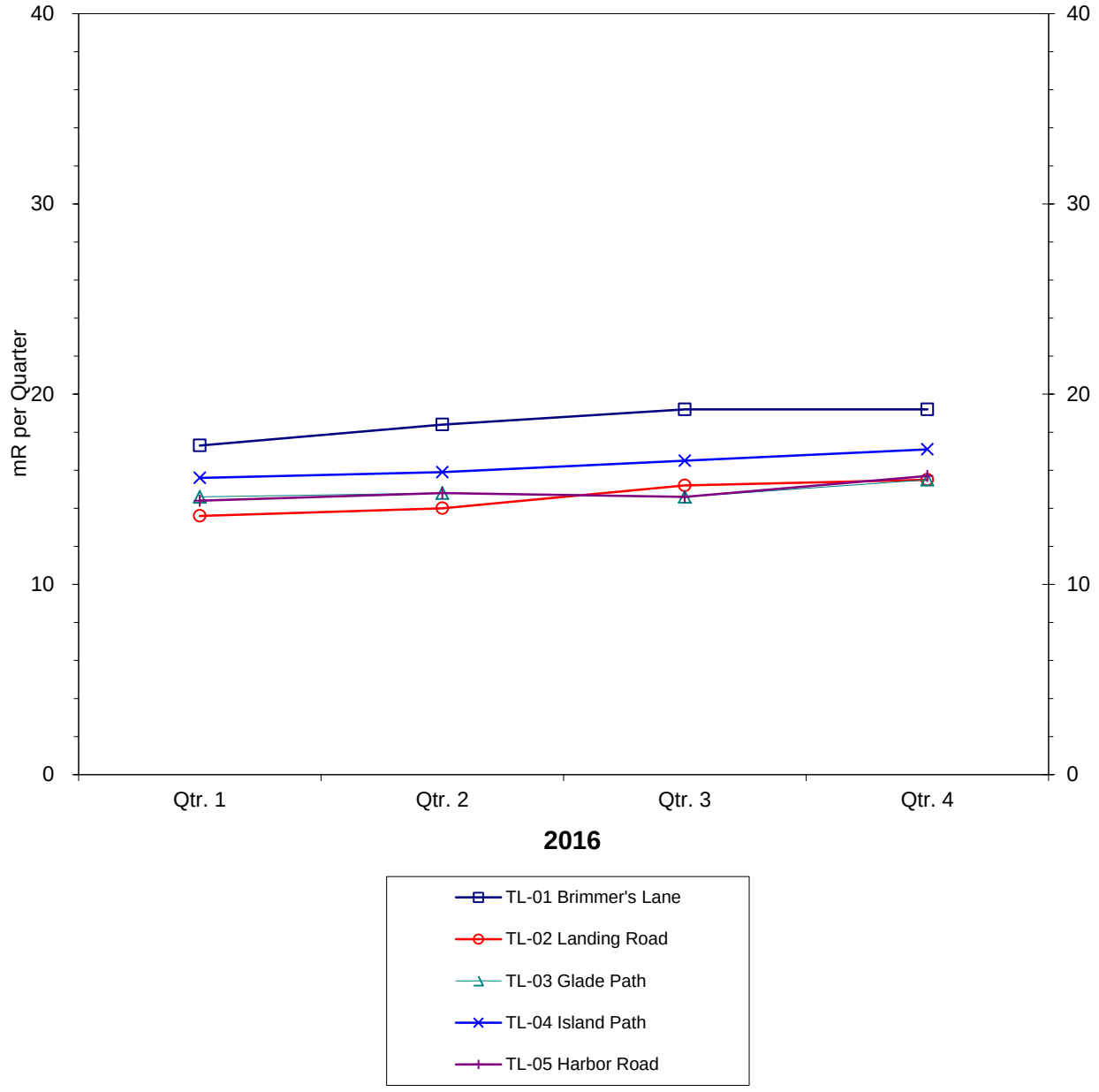


FIGURE 3.6.1

ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs)
SEABROOK STATION

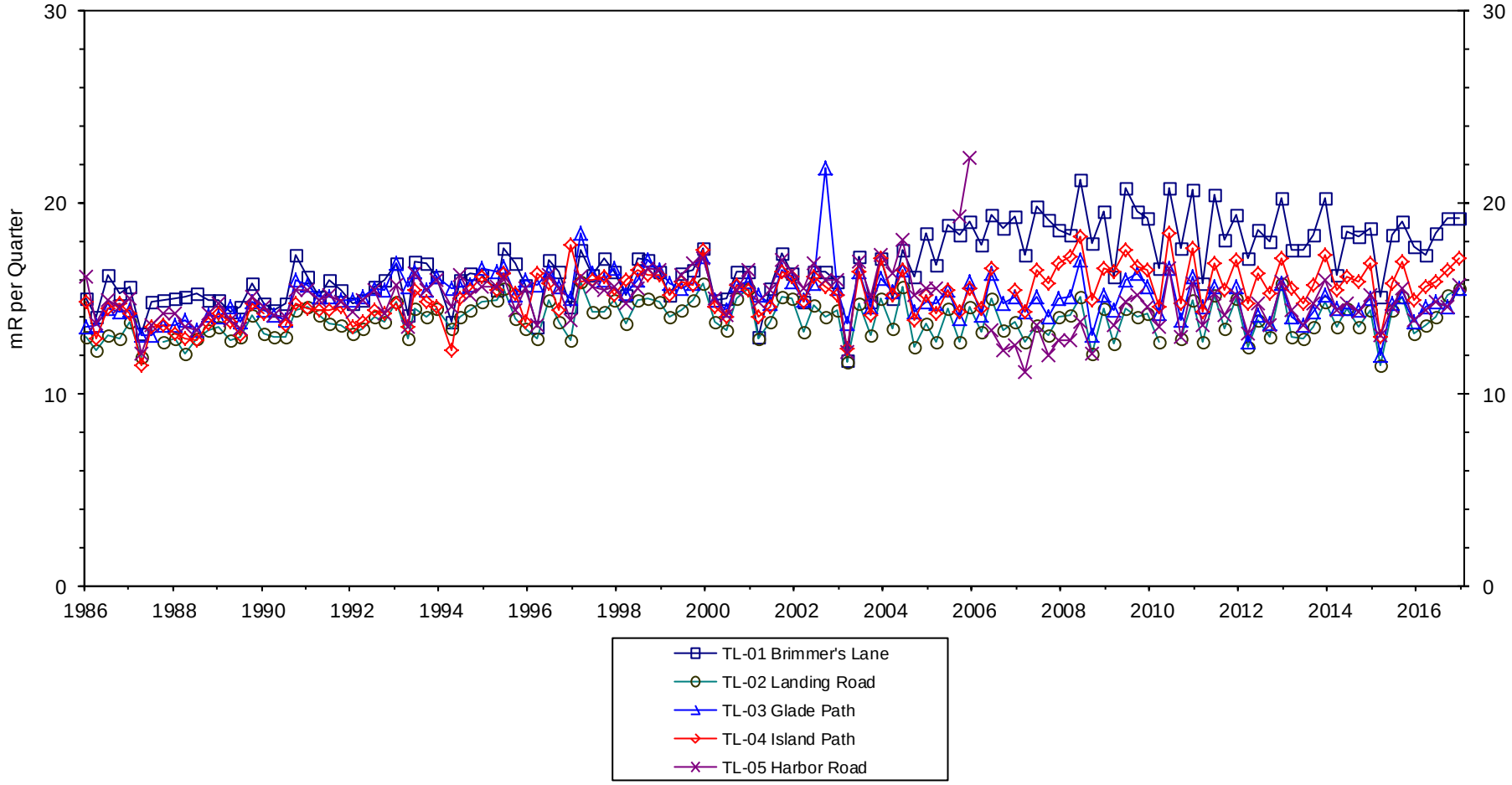


FIGURE 3.7

ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs)
SEABROOK STATION

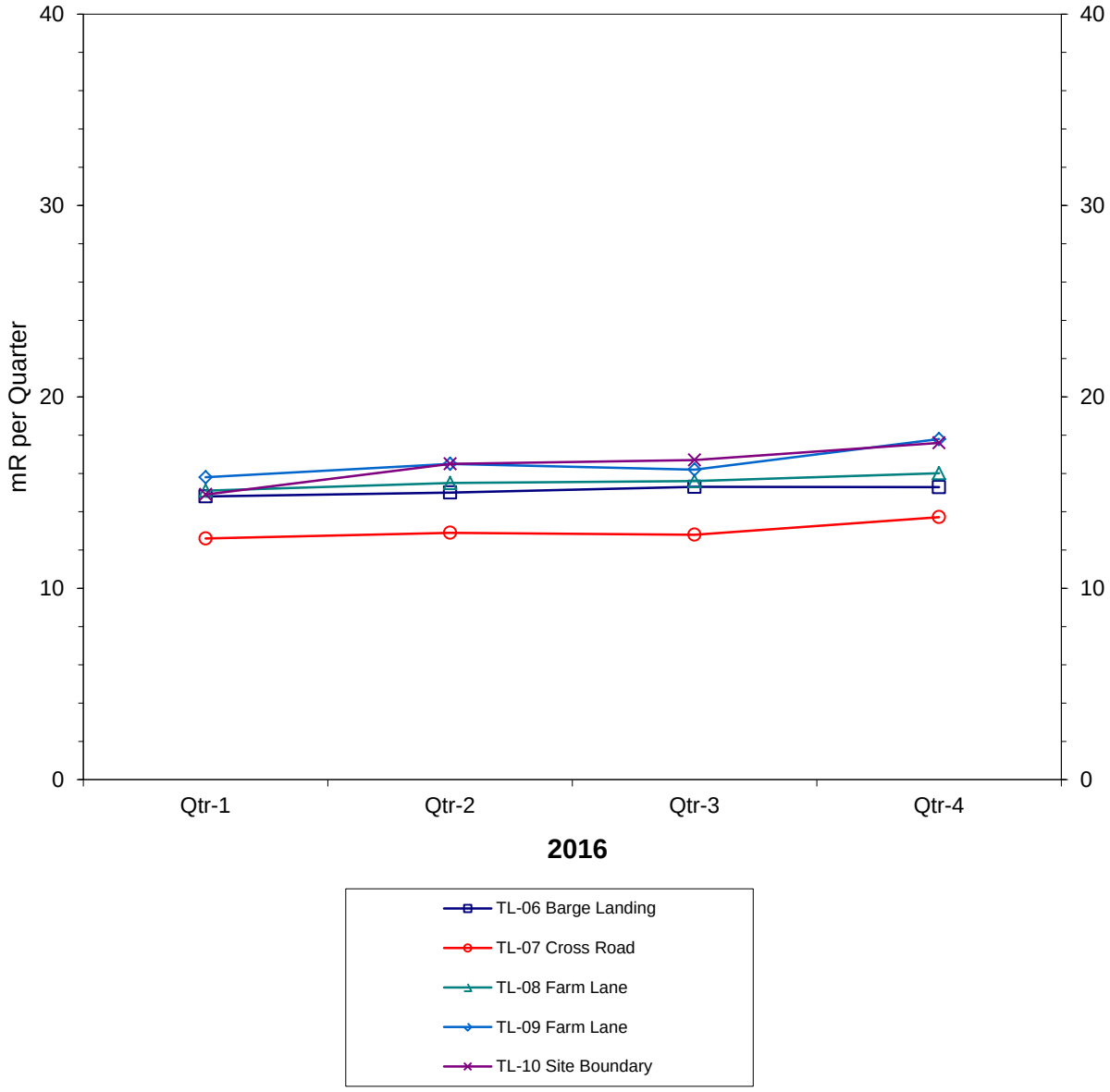


FIGURE 3.7.1

ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs)
SEABROOK STATION

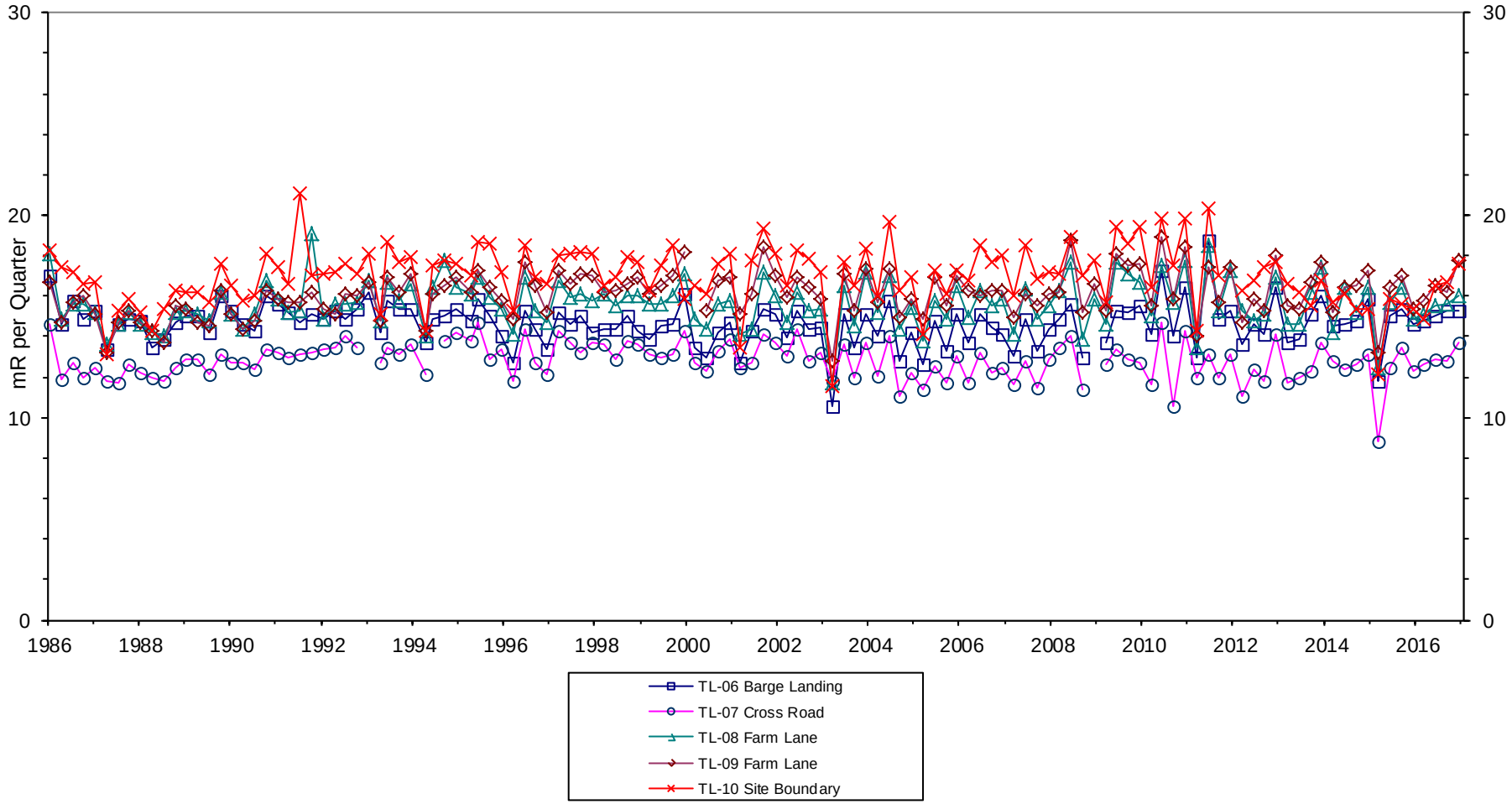


FIGURE 3.8

ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs)
SEABROOK STATION

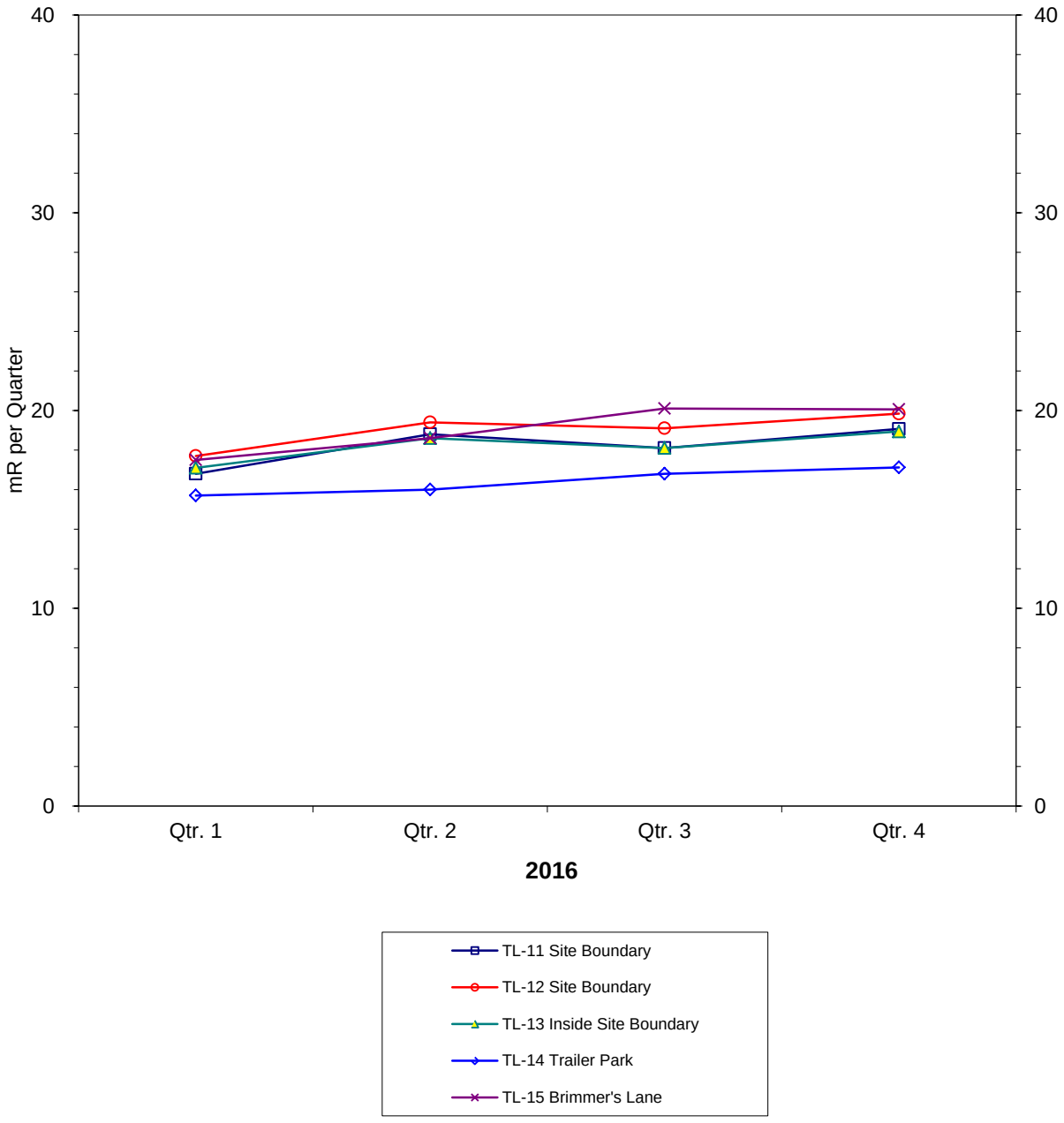


FIGURE 3.8.1

ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs)
SEABROOK STATION

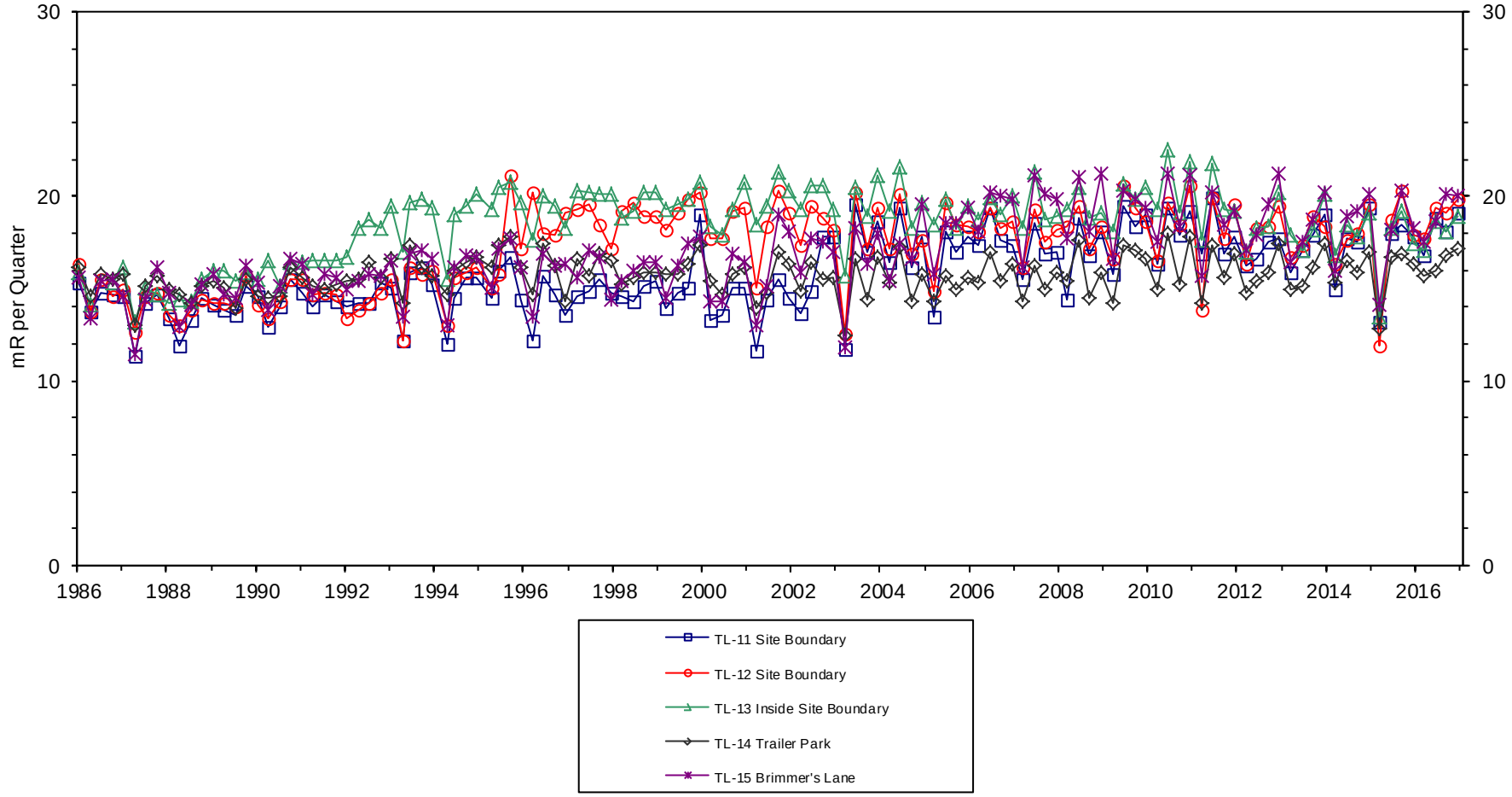


FIGURE 3.9

ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs) SEABROOK STATION

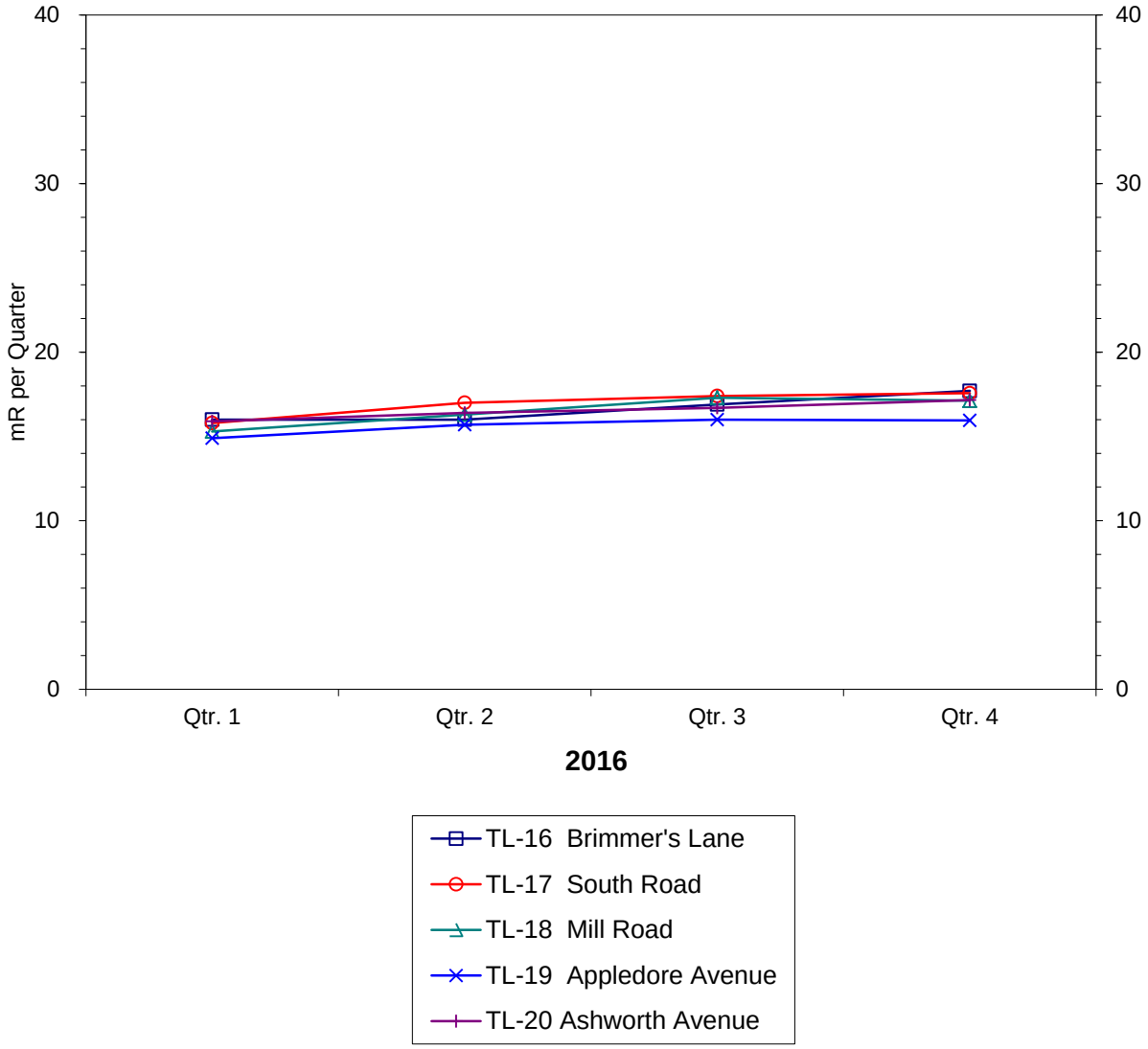


FIGURE 3.9.1

ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs) SEABROOK STATION

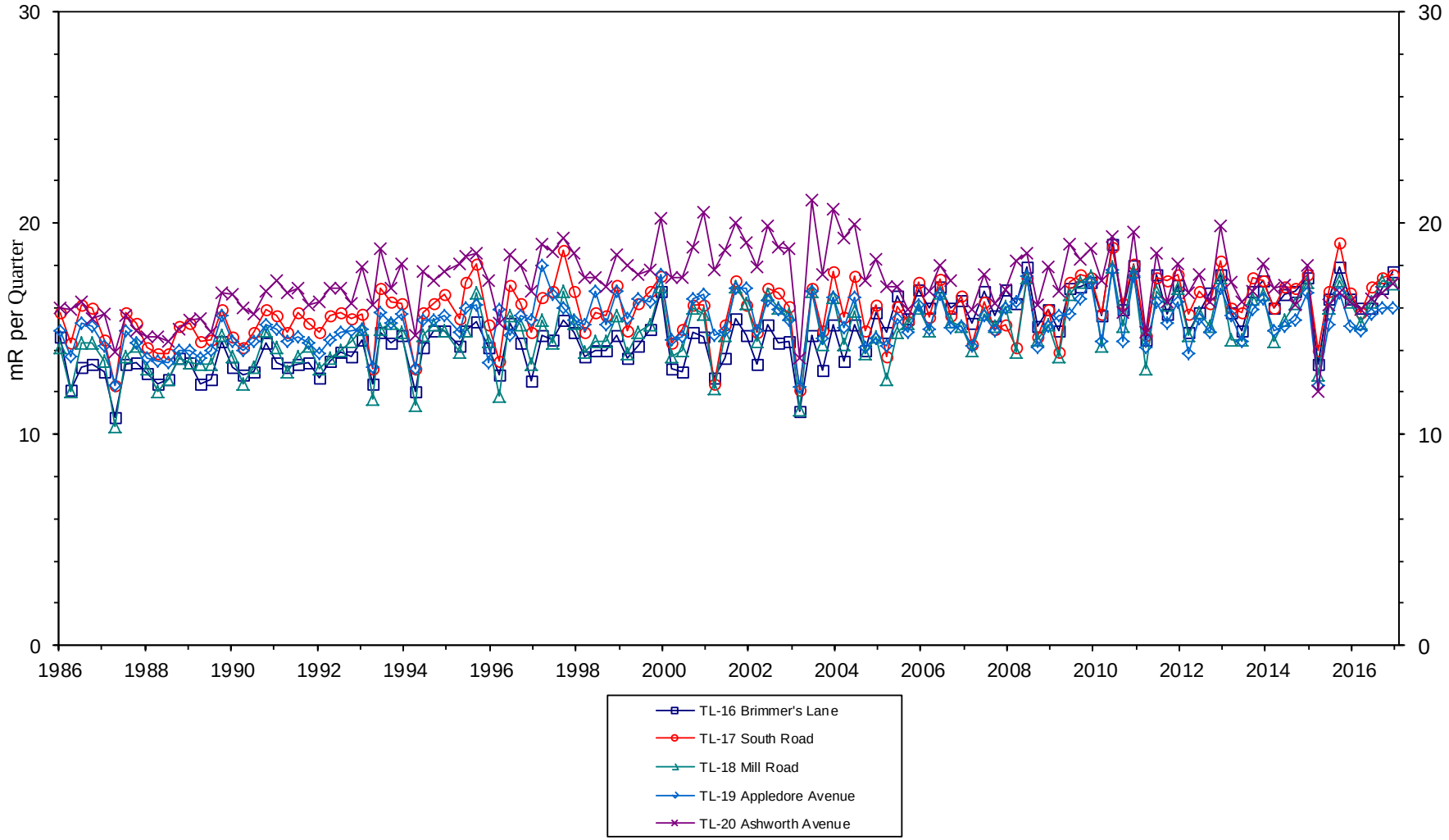


FIGURE 3.10

ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs)
SEABROOK STATION

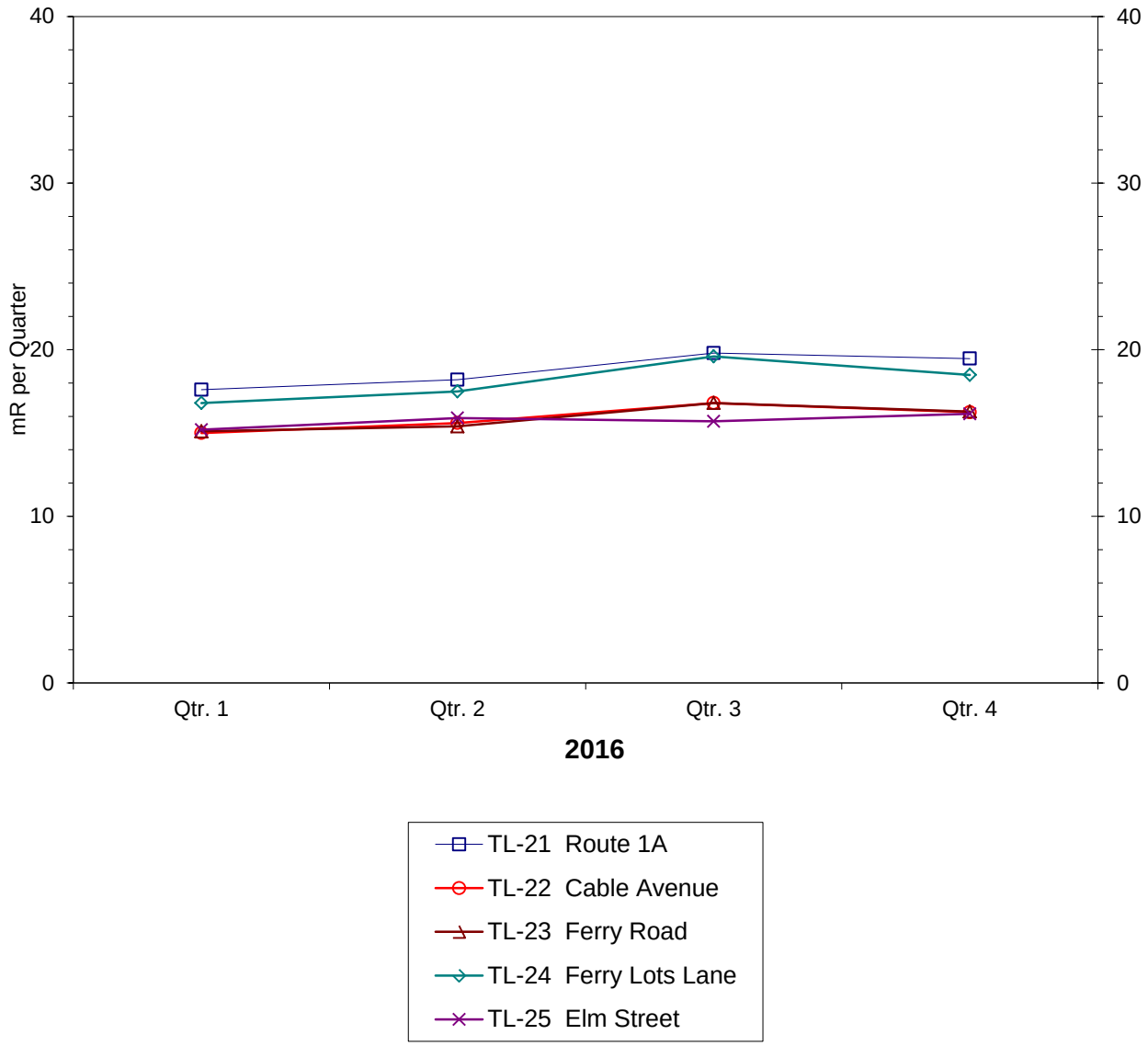


FIGURE 3.10.1

ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs)
SEABROOK STATION

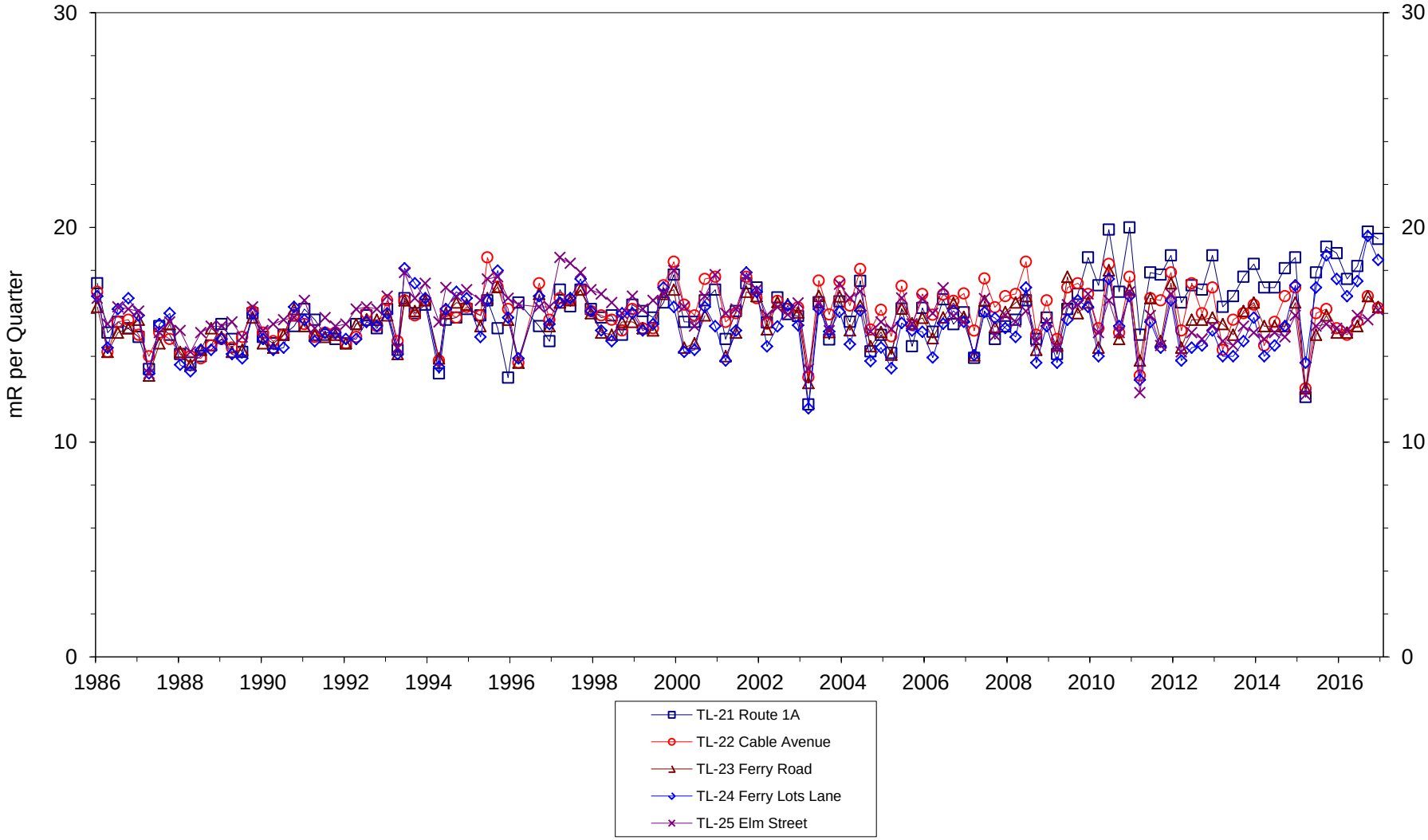


FIGURE 3.11

ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs) SEABROOK STATION

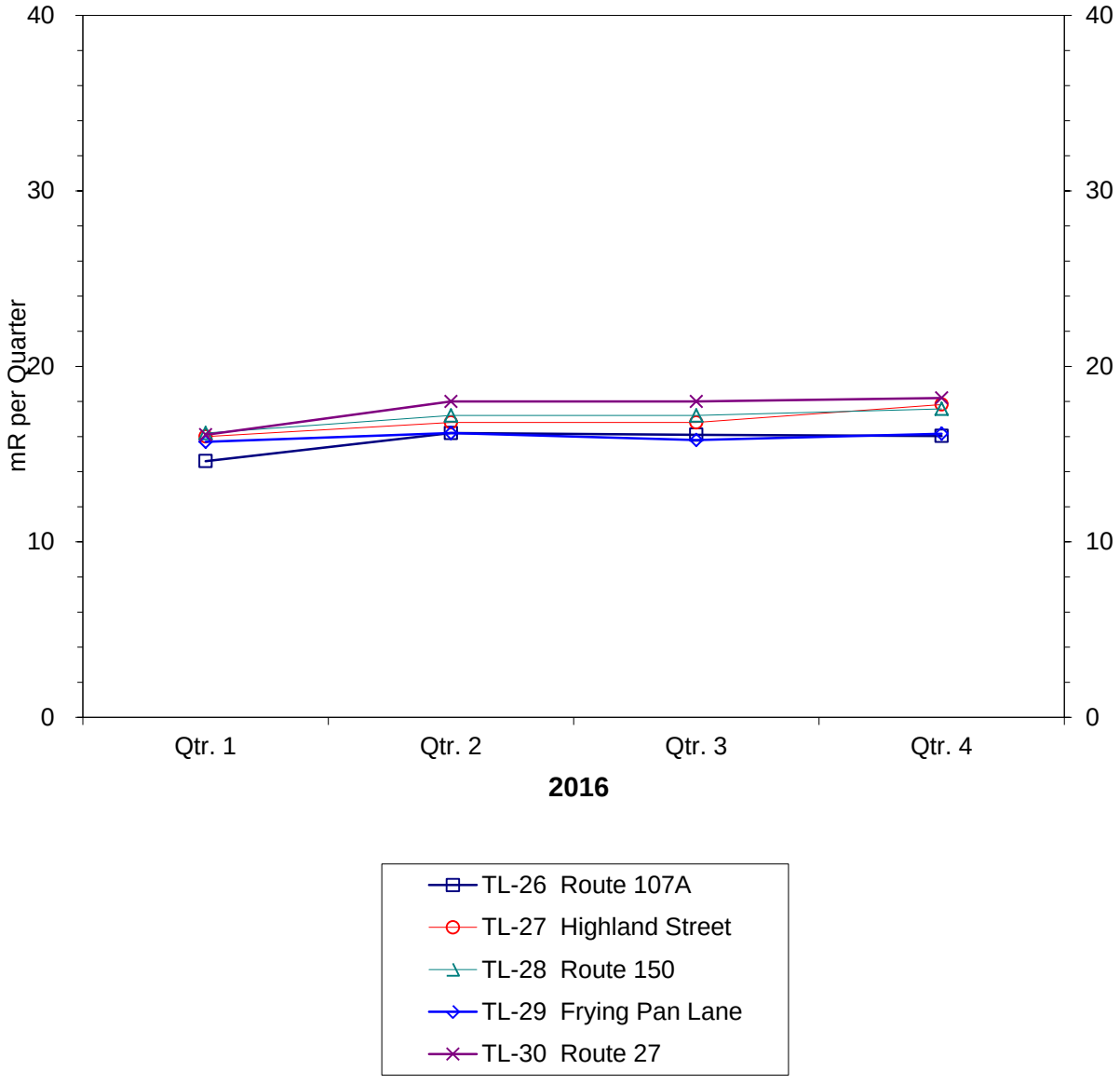


FIGURE 3.11.1

ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs)
SEABROOK STATION

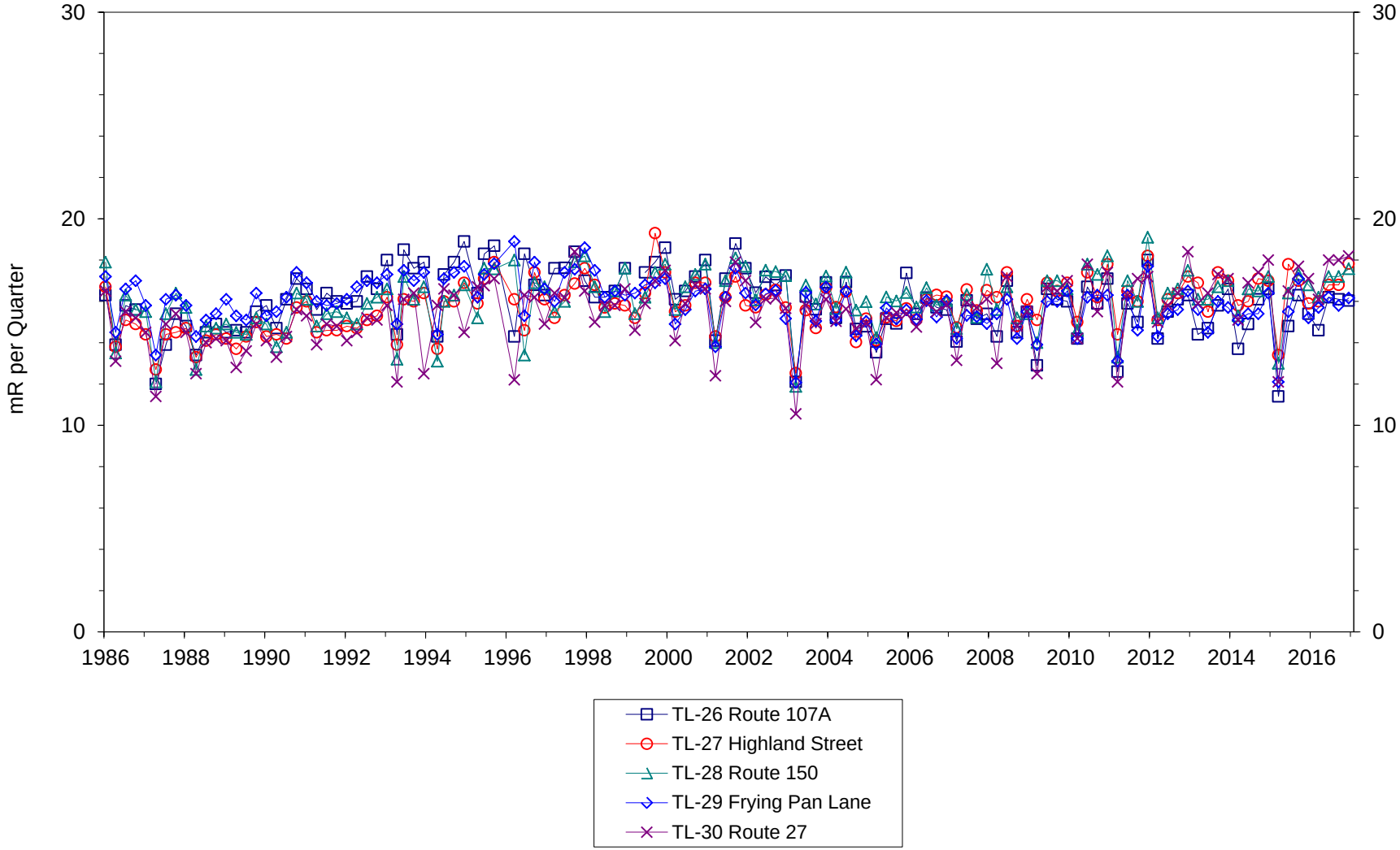


FIGURE 3.12

ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs)
SEABROOK STATION

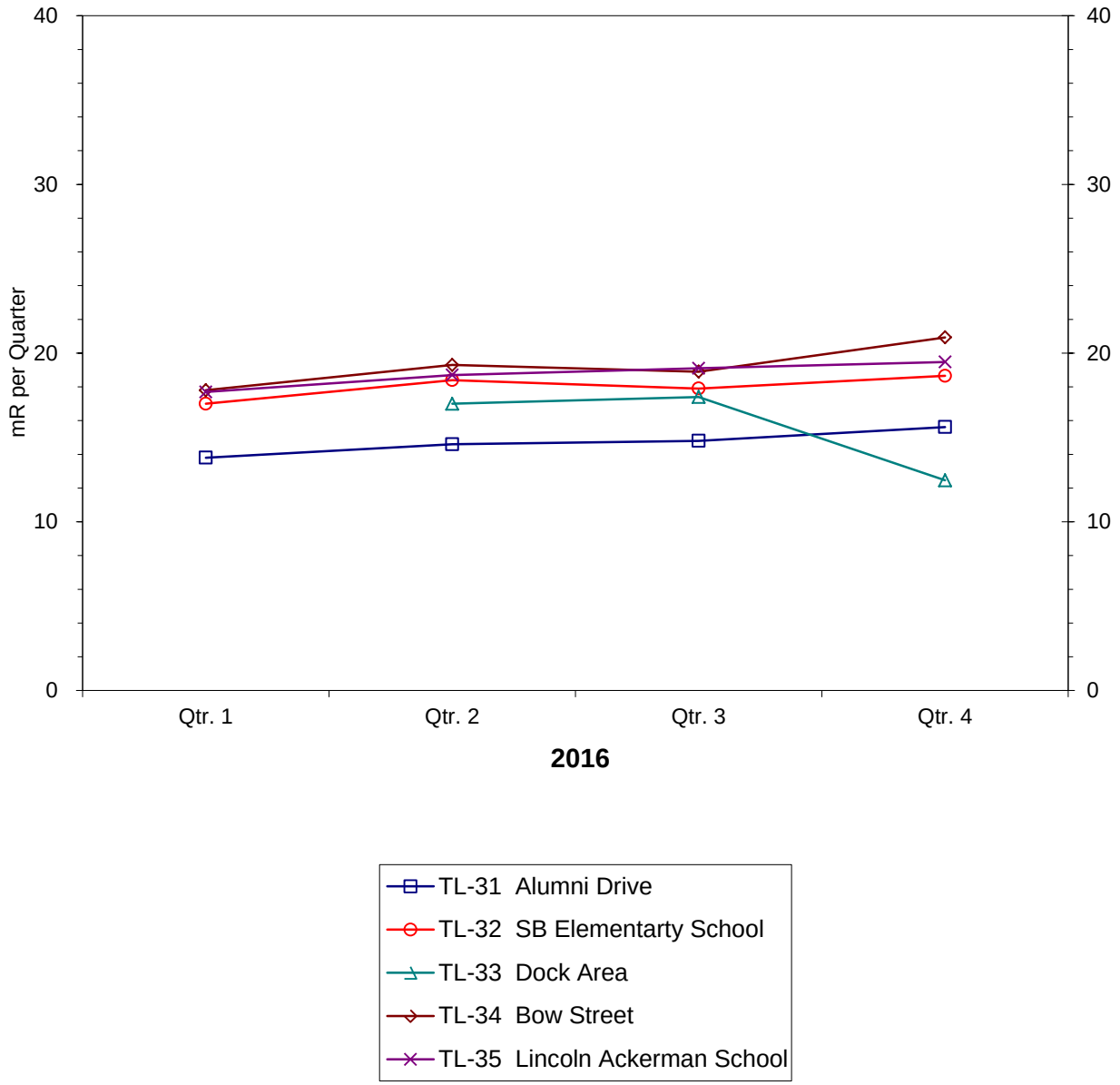


FIGURE 3.12.1

ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs)
SEABROOK STATION

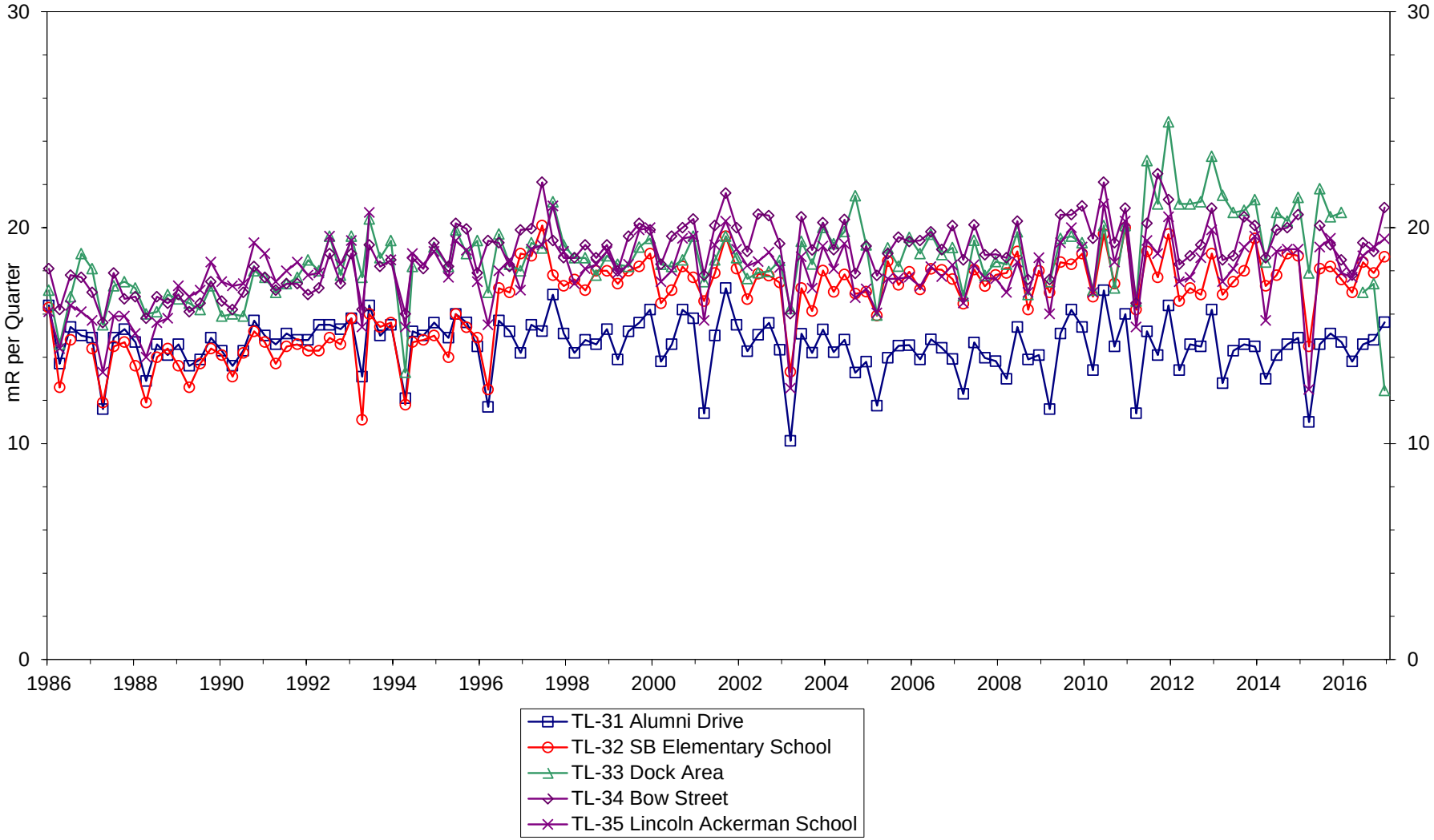


FIGURE 3.13

ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs) SEABROOK STATION

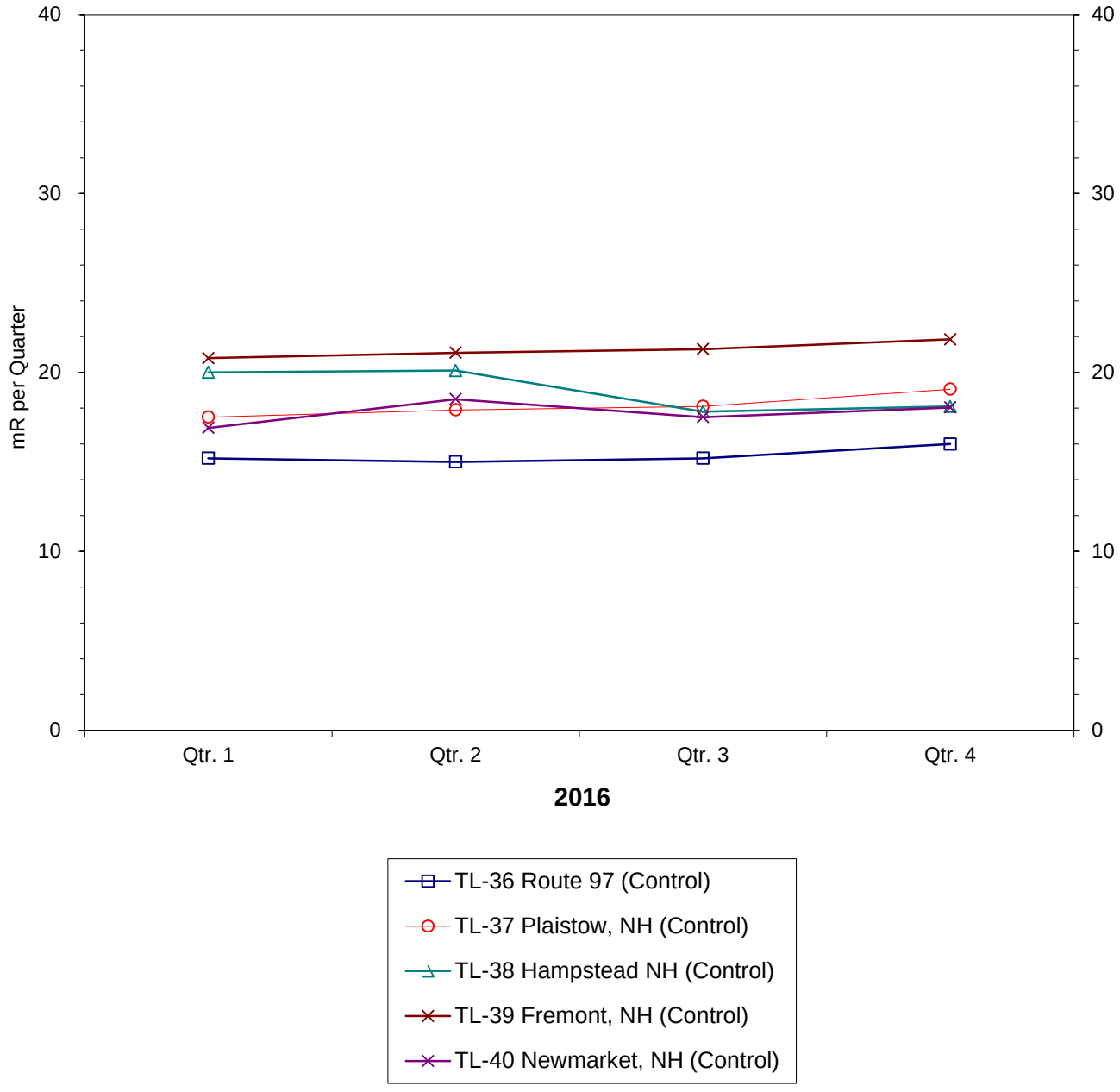


FIGURE 3.13.1

ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs)
SEABROOK STATION

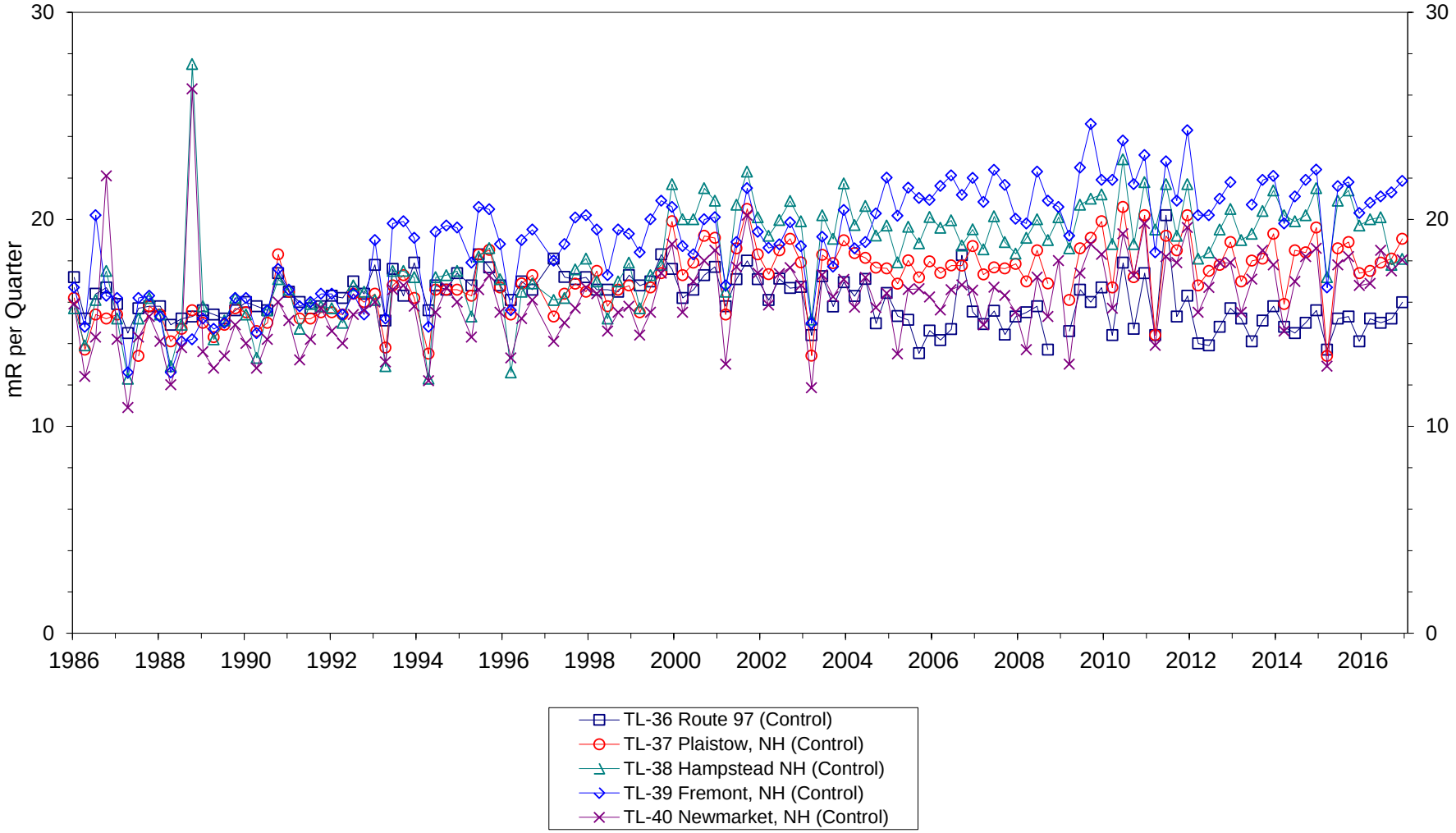


FIGURE 3.14

ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs)
SEABROOK STATION

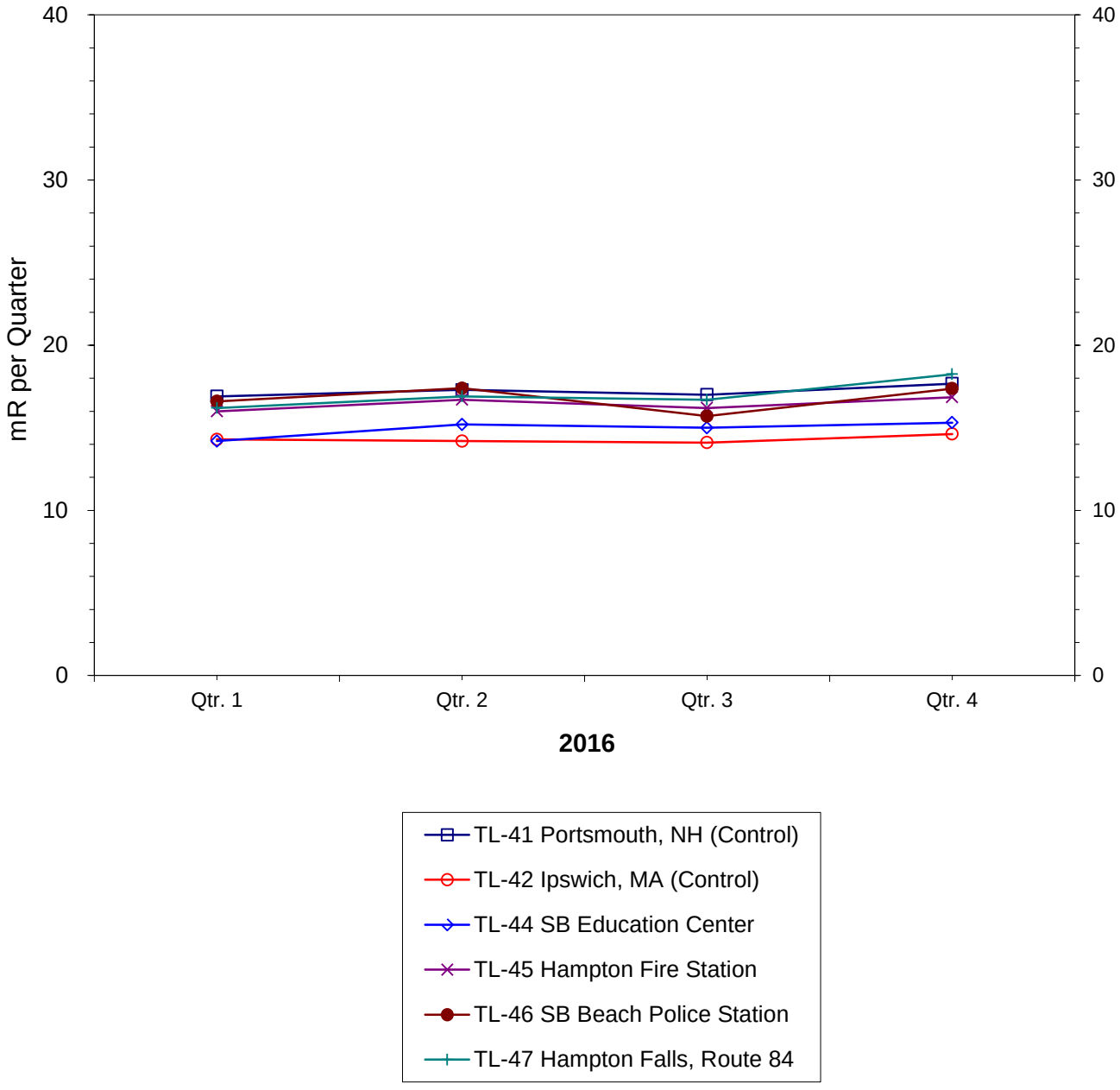
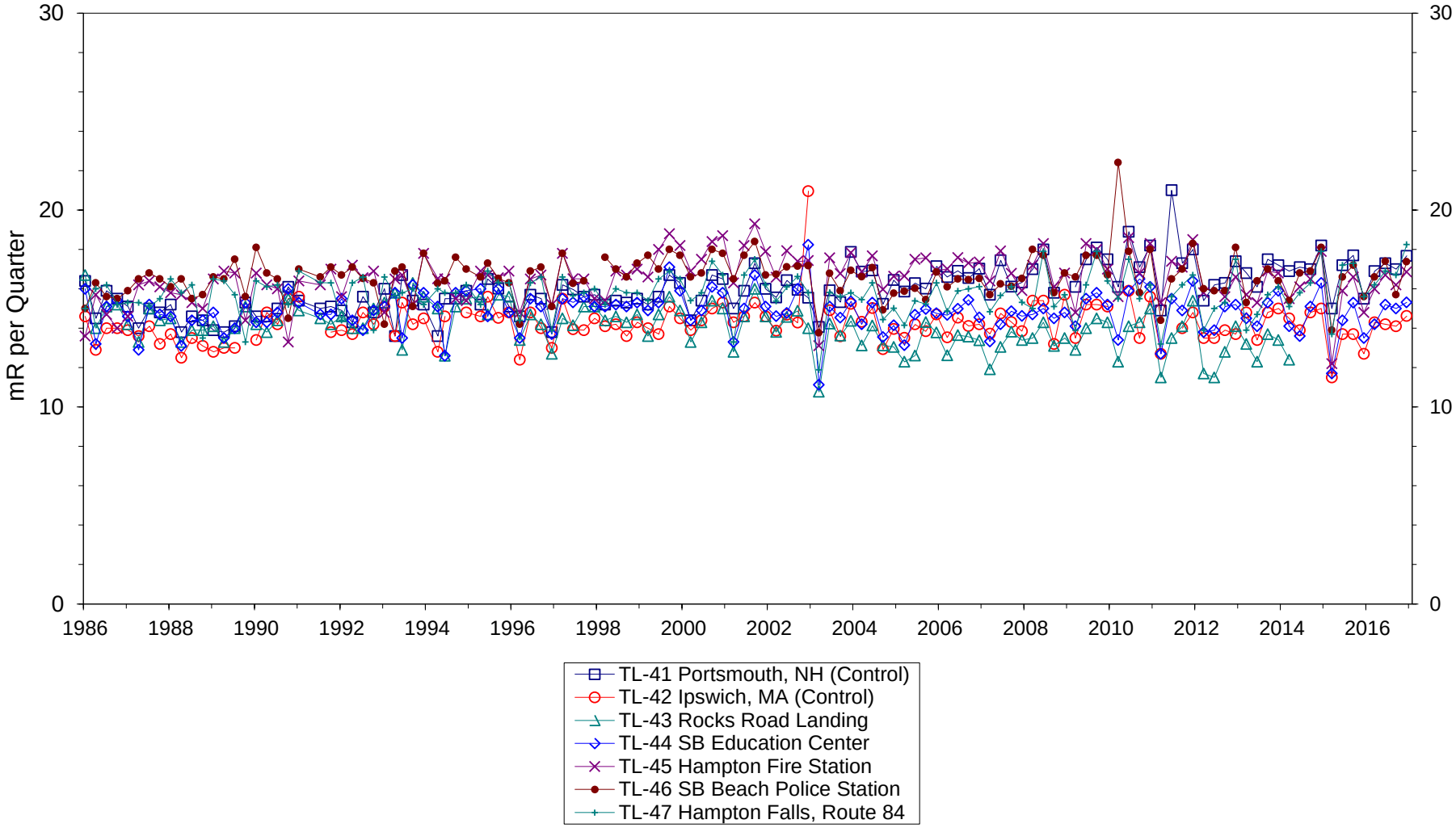


FIGURE 3.14.1

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 new Fitness Center located in the High Rise office building east of the DFS facility and the Firing Range located on the west site boundary), 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, bringing the total to 14 canisters in storage.

The DFS radiological environmental monitoring stations are listed in Table 4.0-1. At the end of 2013, TLD location SB-35, which was located inside the old Fitness Center, and location TL-67 (first quarter of 2014), which was located outside the old Fitness Center south of the DFS, were removed from the program due to the relocation of the fitness center to the High Rise Office Building. TLD locations SB-32 and SB-33 now provide monitoring for the new Fitness Center location. 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 2016 data for the DFS REMP is shown in Table 4.1-1. Figures 4.1, 4.2 and 4.3 show the quarterly 2016 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. The 2016 annual mean of all indicator locations for the DFS was 17.2 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. Starting in the 4th quarter of 2013, location TL-67 indicated a notable 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.

Starting in 2015, an additional analytical method was implemented to evaluate the TLD measurements. Using the method described in ANSI/HPS N13.37-2014, quarterly and annual baseline dose for each DFS TLD location was determined using appropriate statistical analytical methods considering data from 2004 through 2014. Quarterly and annual dose for 2016 was compared to baseline values to determine if an Investigation Level had been exceeded for evaluation of potential dose to a member of the public. An Investigation Level is considered to be exceeded under the following conditions:

$$\text{Quarterly: If } M_Q > (B_Q + MDD_Q), \text{ then } F_Q = M_Q - B_Q$$

Where:

M_Q is the normalized quarterly field measurement result
B_Q is the quarterly baseline background dose
MDD_Q is the quarterly minimum differential dose and
F_Q is the quarterly facility related dose

or:

$$\text{Annually: If } M_A > (B_A + MDD_A), \text{ then } F_A = M_A - B_A$$

Where:

M_A is the sum of the four normalized quarterly measurement values
B_A is the annual baseline background dose
MDD_A is the annual minimum differential dose
F_A is the annual facility related dose

Table 4.1-2 summarizes the evaluation of the TLD measurements using the methodology described in ANSI/HPS N13.37-2014. As noted in Table 4.1-2, TLD location SB-33 (High-Rise Building 1st floor, Fitness Center) was found to have a calculated quarterly facility dose of 4.8 mR in the 3rd quarter and an annual facility related dose of 14.8 mR when comparing the measured TLD value against the quarterly and annual baseline values. However, as this is an on-site fitness center under Station control, an annual occupancy factor for this location of 0.0416 (1 hour per day x 7 days a week x 52 weeks per year/8760 hours) and a quarterly occupancy factor of 0.0104 (0.0416/4) can be applied. This results in a quarterly dose of 0.05 mR and an annual dose of 0.6 mR.

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

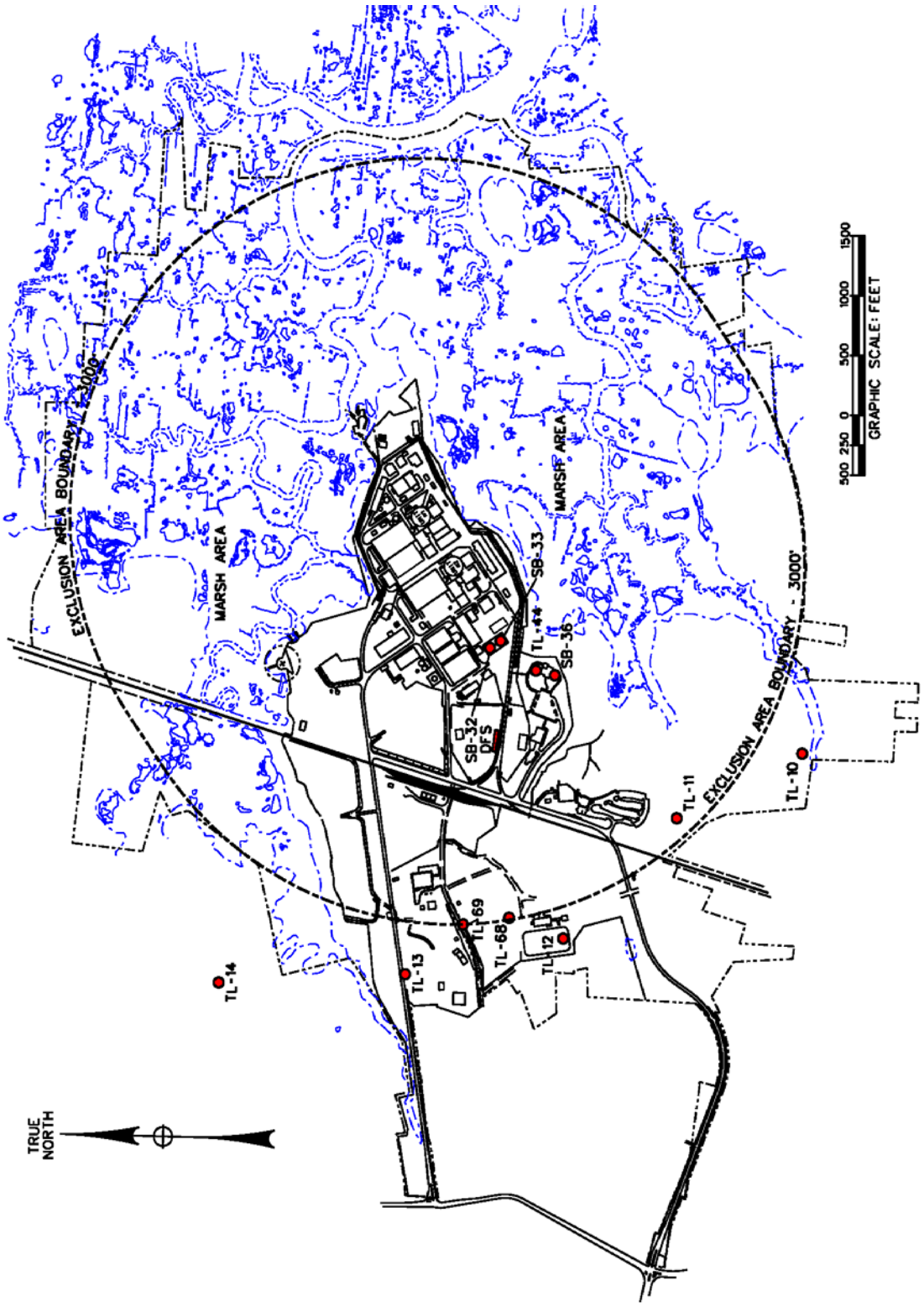


Table 4.0-1

Dry Fuel Storage (DFS) TLD Monitoring Locations

Site Designation Code	TLD Sample Location Description[3]	Distance From DFS Pad (km)	Direction From DFS Pad
TL-44	On-site, outside Science & Nature Center [1][2]	0.21	ESE
SB-36	On-site, inside Science & Nature Center	0.24	SE
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.

(3) TL-67 and SB-35 locations were removed in 2014 due to relocation of the Fitness Center to the High Rise office building.

TABLE 4.1-1

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

2016

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 Exp.
TL-44	Outside Science & Nature C.(1)	14.2	+ 0.6	15.2	+ 0.5	15.0	+ 0.6	15.3	+ 0.8	14.9
SB-36	Inside Science & Nature C.	15.9	+ 0.7	16.6	+ 0.8	17.2	+ 0.9	16.7	+ 0.6	16.6
SB-32	High-Rise 3rd Floor (1)	13.9	+ 0.7	14.7	+ 0.6	15.1	+ 0.7	14.8	+ 0.5	14.6
SB-33	High-Rise 1st Fl.(Fitness Cntr)(1)	19.7	+ 0.9	20.2	+ 0.8	22.3	+ 0.8	21.8	+ 0.7	21.0
TL-68	Nearby Site Boundary to DFS	18.0	+ 0.8	18.1	+ 0.7	19.4	+ 1.0	19.7	+ 0.9	18.8
TL-69	Nearby Site Boundary to DFS	14.7	+ 0.6	14.8	+ 0.6	15.7	+ 0.8	15.7	+ 0.6	15.2
TL-10	Site Boundary Fence (2)	14.9	+ 0.6	16.5	+ 1.0	16.7	+ 0.8	17.6	+ 1.0	16.4
TL-11	Site Boundary Fence (2)	16.8	+ 0.7	18.8	+ 0.8	18.1	+ 1.0	19.1	+ 0.8	18.2
TL-12	Site Boundary Fence (2)	17.7	+ 0.8	19.4	+ 1.0	19.1	+ 0.8	19.8	+ 1.0	19.0
TL-13	Inside Site Boundary (2)	17.1	+ 0.6	18.6	+ 0.9	18.1	+ 0.9	18.9	+ 1.2	18.2
TL-14	Trailer Park Seabrook (2)	15.7	+ 0.7	16.0	+ 0.9	16.8	+ 0.8	17.1	+ 0.8	16.4
TL-36	Rt 97, Georgetown (control)(2)	15.2	+ 0.5	15.0	+ 0.6	15.2	+ 0.7	16.0	+ 0.8	15.4
TL-37	Plaistow, NH (Control)(2)	17.5	+ 0.8	17.9	+ 0.7	18.1	+ 0.8	19.1	+ 1.0	18.2
TL-38	Hampstead, NH (Control)(2)	20.0	+ 1.1	20.1	+ 0.9	17.8	+ 0.8	18.1	+ 0.8	19.0
TL-39	Fremont, NH (Control)(2)	20.8	+ 0.9	21.1	+ 0.8	21.3	+ 1.1	21.8	+ 1.0	21.3
TL-40	Newmarket, NH (Control)(2)	16.9	+ 0.7	18.5	+ 1.2	17.5	+ 0.9	18.0	+ 0.7	17.7
TL-41	Portsmouth, NH (Control)(1)(2)	16.9	+ 0.8	17.3	+ 0.9	17.0	+ 0.8	17.7	+ 0.7	17.2
TL-42	Ipswich, MA (Control)(1)(2)	14.3	+ 0.6	14.2	+ 0.6	14.1	+ 0.9	14.6	+ 0.8	14.3
	Mean of Indicators	16.2		17.2		17.6		17.9		17.2
	Mean of Controls	17.4		17.7		17.3		17.9		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.

Table 4.1-2

DFS Facility Related Dose using ANSI/HPS N13.37-2014 Methodology

		Quarterly Ave. Baseline, B_Q	2016 Quarterly Monitoring Data, M_Q (mR/qtr)				Quarterly Facility Dose $F_Q = M_Q - (B_Q+MDD_Q)$				Annual Baseline, B_A	2016 Annnual TLD Data, M_A	Annual Facility Dose $F_A = M_A - (B_A+MDD_A)$
		mR	1	2	3	4	1	2	3	4	mR	mR	
TL-44	On-site, outside Science & Nature Center	14.8	14.2	15.2	15.0	15.3	ND	ND	ND	ND	59.0	59.7	ND
SB-36	On-site, inside Science & Nature Center	16.2	15.9	16.6	17.2	16.7	ND	ND	ND	ND	64.7	66.4	ND
SB-32	High-Rise Building, 3rd floor	14.0	13.9	14.7	15.1	14.8	ND	ND	ND	ND	55.7	58.5	ND
SB-33	High-Rise Building 1st floor, Fitness Center	17.5	19.7	20.2	22.3	21.8	ND	ND	4.8[1]	ND	69.2	84.0	14.8[1]
TL-68	Nearby site boundary (firing Range)	17.7	18.0	18.1	19.4	19.7	ND	ND	ND	ND	70.8	75.2	ND
TL-69	Nearby site boundary (Rocks Rd)	14.6	14.7	14.8	15.7	15.7	ND	ND	ND	ND	58.2	61.0	ND
TL-10	Site Boundary	17.2	14.9	16.5	16.7	17.6	ND	ND	ND	ND	68.7	65.6	ND
TL-11	Site Boundary	17.5	16.8	18.8	18.1	19.1	ND	ND	ND	ND	69.9	72.7	ND
TL-12	Site Boundary	18.2	17.7	19.4	19.1	19.8	ND	ND	ND	ND	72.6	76.0	ND
TL-13	Inside Site Boundary	19.2	17.1	18.6	18.1	18.9	ND	ND	ND	ND	77.0	72.8	ND
TL-14	Trailer Park	15.9	15.7	16.0	16.8	17.1	ND	ND	ND	ND	63.5	65.7	ND
TL-36	Route 97(Control)	15.4	15.2	15.0	15.2	16.0	ND	ND	ND	ND	61.9	61.4	ND
TL-37	Plaistow, NH (Control)	18.0	17.5	17.9	18.1	19.1	ND	ND	ND	ND	72.0	72.6	ND
TL-38	Hampstead, NH (Control)	19.8	20.0	20.1	17.8	18.1	ND	ND	ND	ND	79.3	75.9	ND
TL-39	Fremont, NH (Control)	21.3	20.8	21.1	21.3	21.8	ND	ND	ND	ND	85.2	85.1	ND
TL-40	Newmarket, NH (Control)	16.7	16.9	18.5	17.5	18.0	ND	ND	ND	ND	66.9	70.9	ND
TL-41	Portsmouth, NH (Control)	16.9	16.9	17.3	17.0	17.7	ND	ND	ND	ND	67.6	68.9	ND
TL-42	Ipswich, MA (Control)	14.3	14.3	14.2	14.1	14.6	ND	ND	ND	ND	57.2	57.2	ND

Table 4.1-2 (cont'd)

DFS Facility Related Dose using ANSI/HPS N13.37-2014 Methodology

MDD_Q = 4.48 = minimum differential exposure, quarterly, 3 times 90th percentile S_Q determined from analysis in mR.

MDD_A = 10.17 = minimum differential exposure, annual, 3 times 90th percentile S_A determined from analysis in mR.

B_Q = Quarterly baseline exposure (mR).

M_Q = location's 91 day standard quarterly exposure (mR).

L_Q = Quarterly Investigative Level exposure (mR).

B_A = Quarterly baseline background average exposure (mR).

M_A = Annual monitoring data, determined by summing the quarterly data over all four quarters (mR).

L_A = Annual Investigative Level exposure (mR).

ND = Facility contribution to exposure "Not Detected"

[1] Note that this location is a fitness center and is not occupied full time. Applying an annual occupancy factor for this location of 0.0416 (1 hour per day x 7 days a week x 52 weeks per year/8760 hours) and a quarterly occupancy factor of 0.0104 (0.0416/4) results in a quarterly dose of 0.05 mR and an annual dose of 0.6 mR.

FIGURE 4.1

DFS CONTROL RADIATION MEASUREMENTS (USING TLDs)
SEABROOK STATION

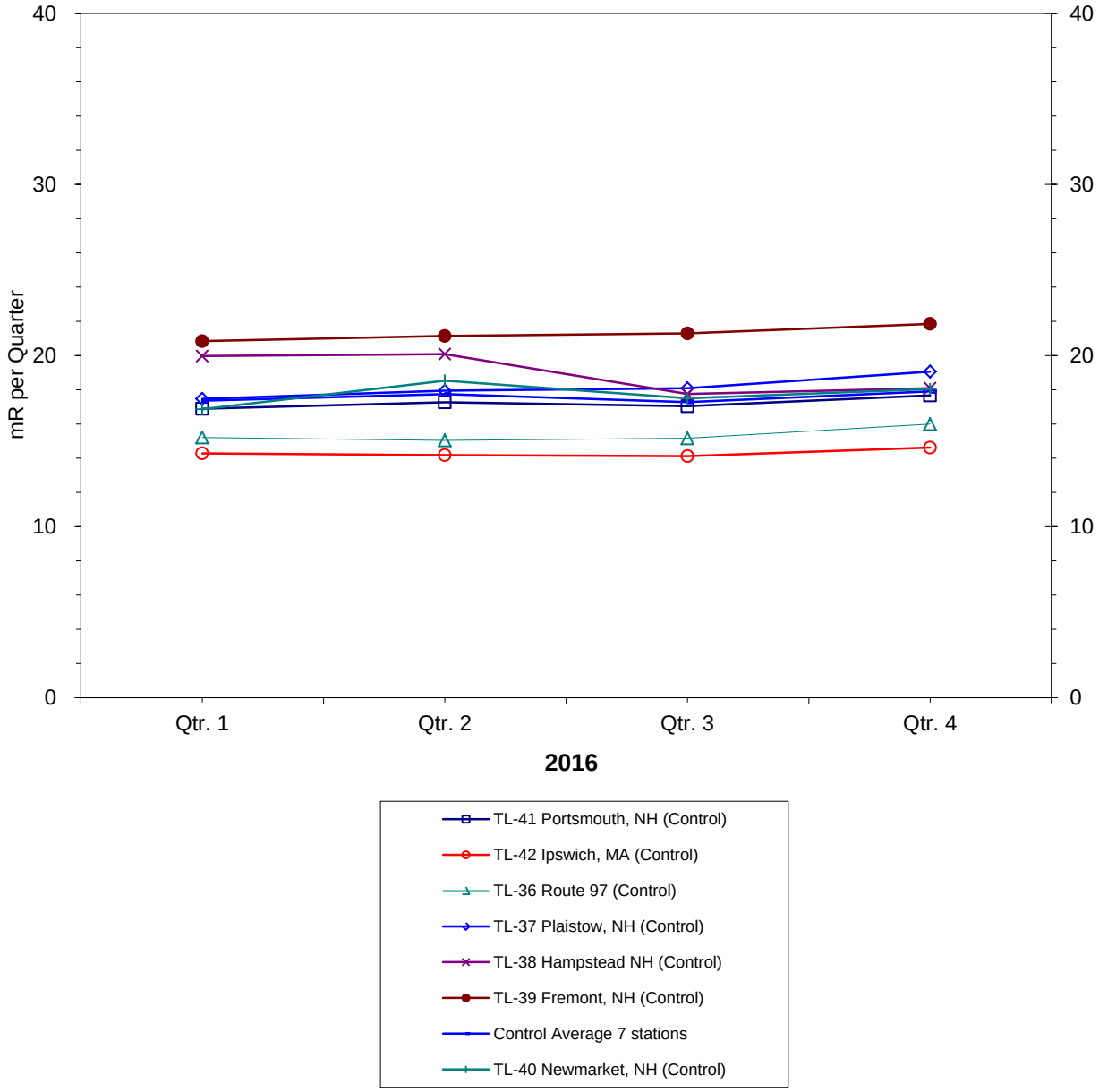


FIGURE 4.2

DFS ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs)
SEABROOK STATION

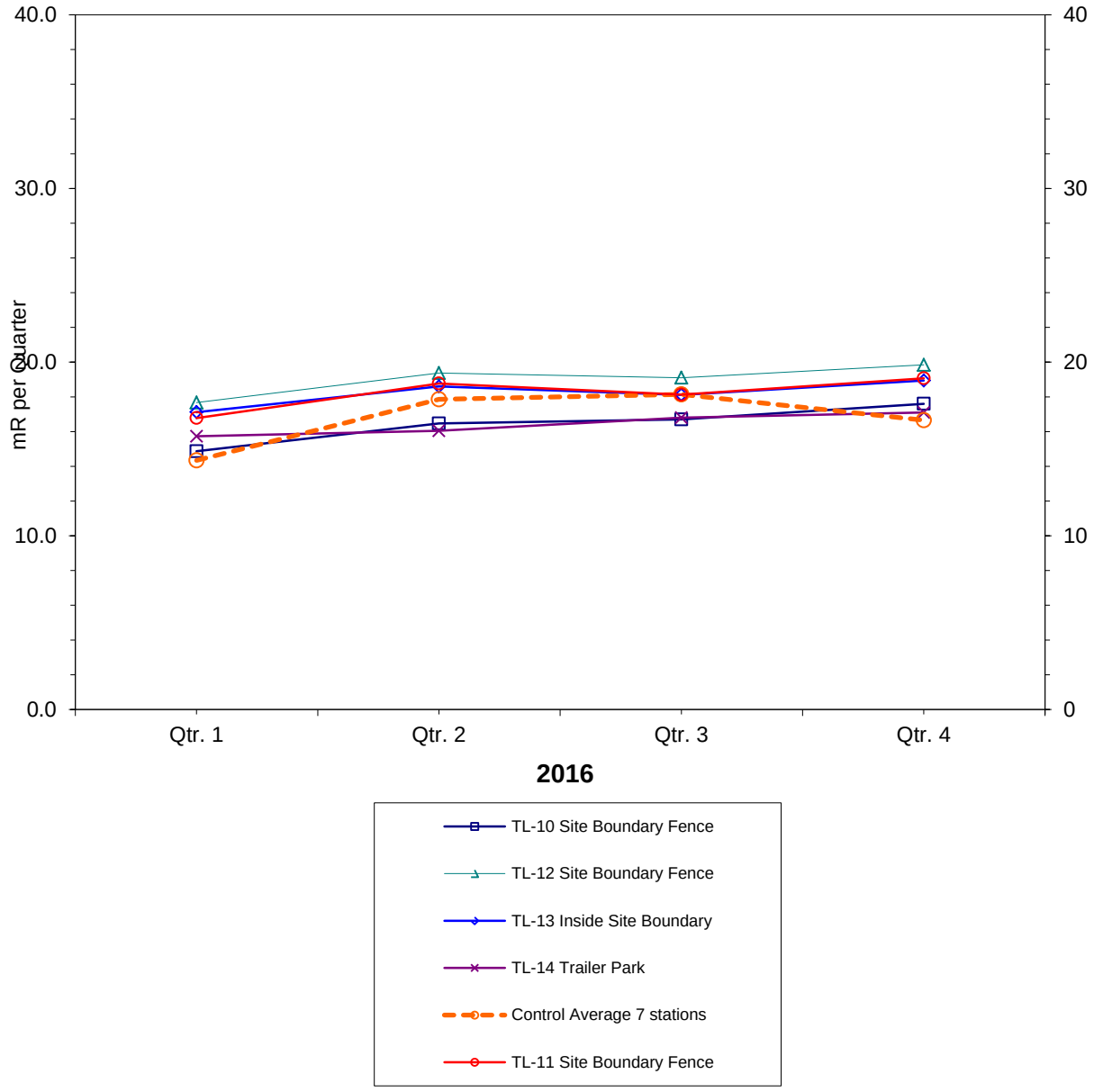


FIGURE 4.3

DFS ENVIRONMENTAL RADIATION MEASUREMENTS (USING TLDs)
SEABROOK STATION

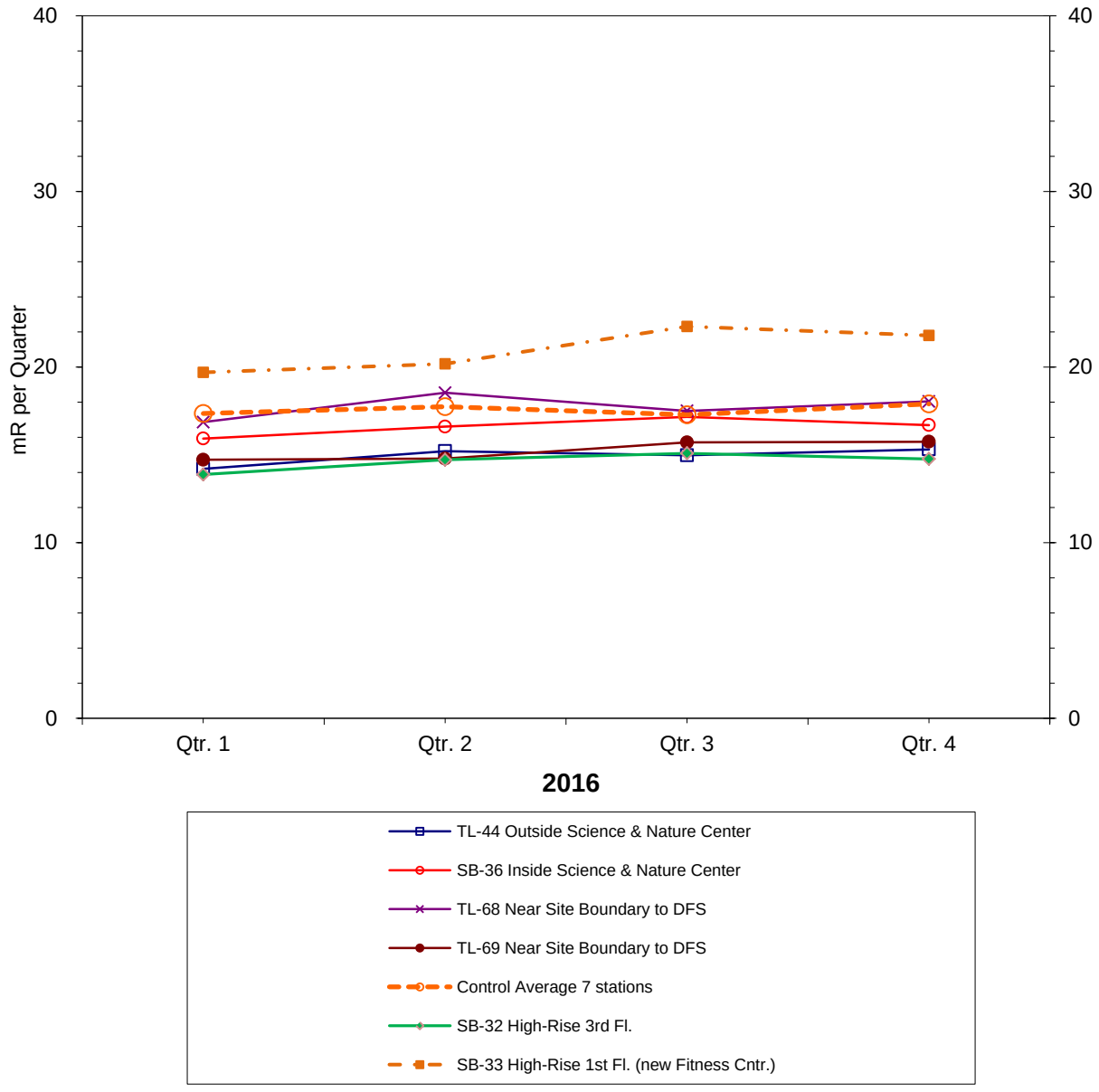


FIGURE 4.4

DFS CONTROL RADIATION MEASUREMENTS (USING TLDs)
SEABROOK STATION

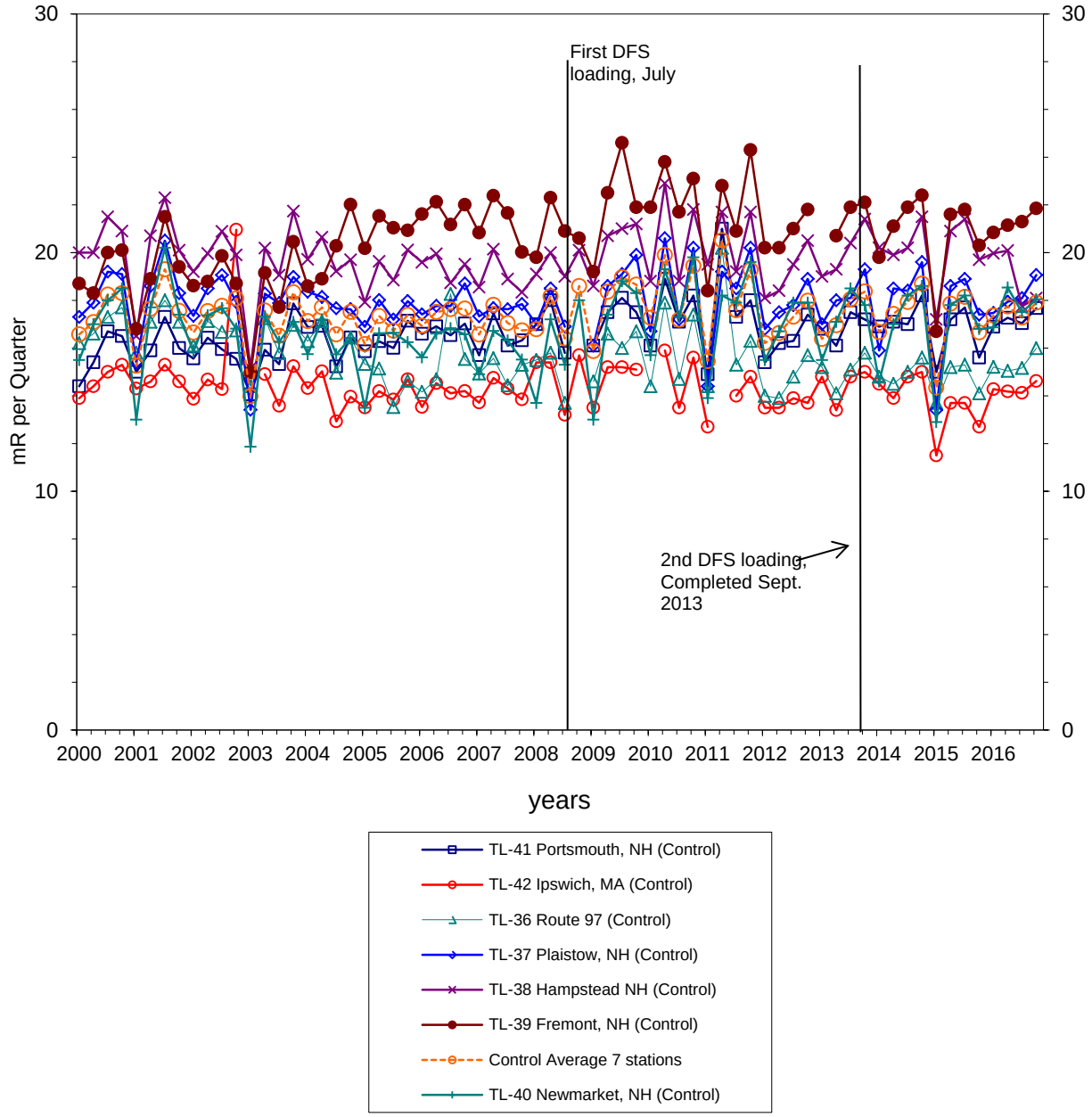


FIGURE 4.5

DFS RADIATION MEASUREMENTS TRENDS (USING TLDs)
SEABROOK STATION

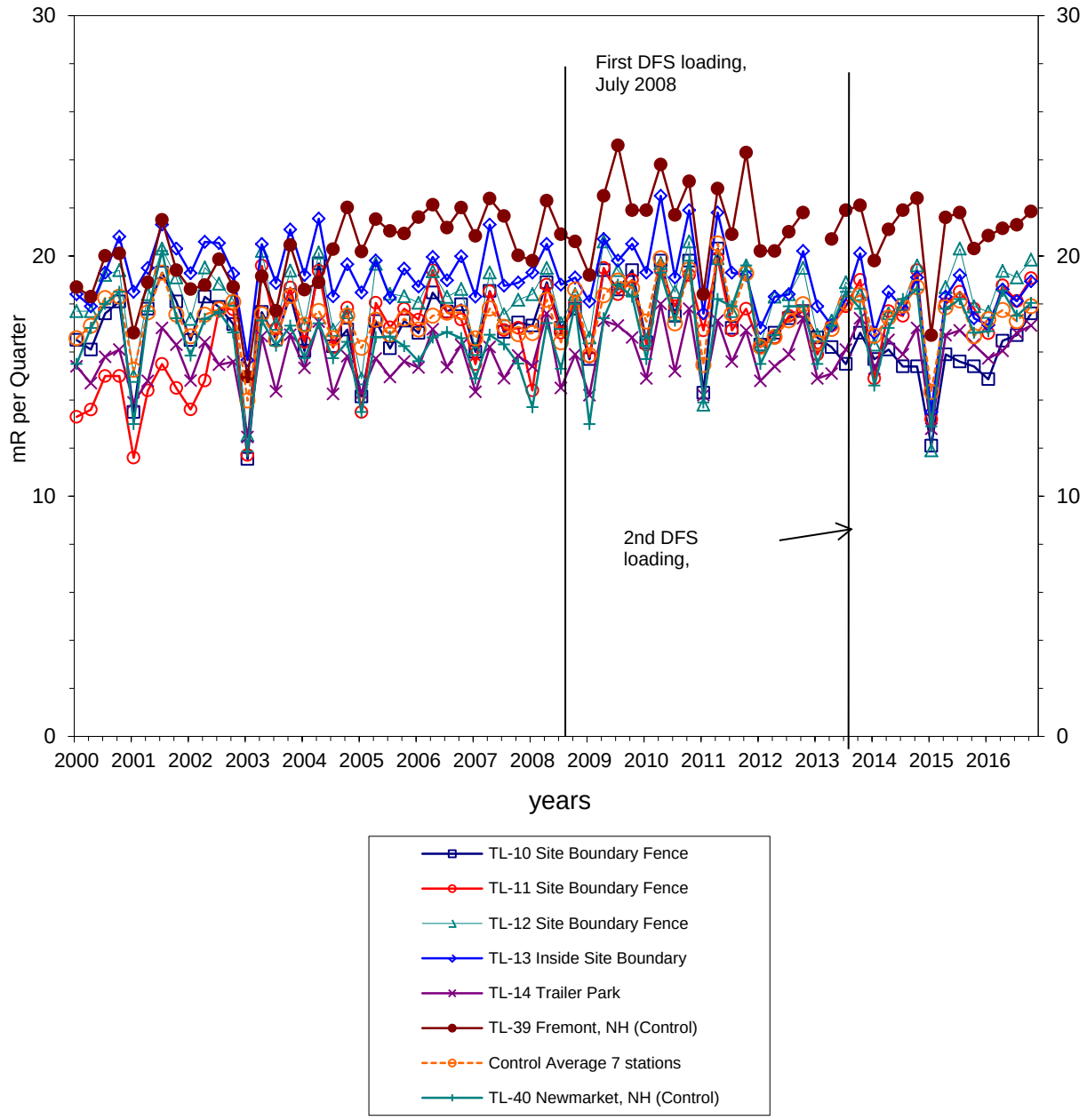
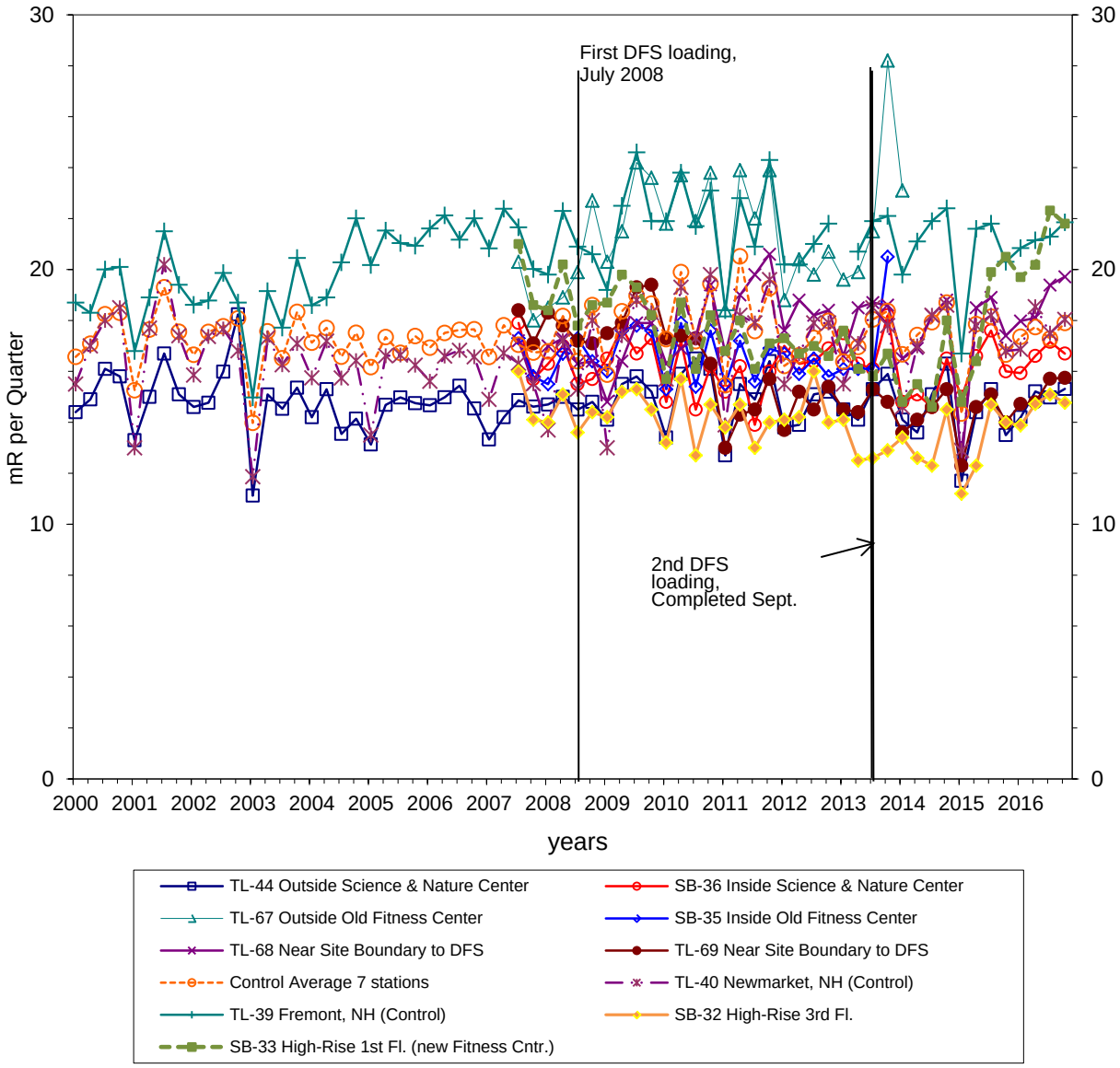


FIGURE 4.6

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 2016 are as follows:

- On 04/08/2016, the 1st quarter TLD for station TL-33 was found missing at time of collection.
- On 09/18/2016, a loss of power to air sampling station AP/CF-04 (duration approximately 25 hours, 3 minutes) was recorded between 09/18/2016 08:21 a.m. and 09/19/16 09:24 a.m. This was attributed to a blown pump fuse following a power outage. The pump fuse was replaced and the pump was restarted. The out of service time did not impact the ability to collect sufficient sample volume over the collection cycle for this analysis.
- A loss of power to air sampling station AP/CF-01 (duration approximately 6 hours, 20 minutes) was recorded between 10/31/2016 23:32 and 11/01/16 05:52 a.m. This was attributed to a local power outage. Once the power was restored, the equipment returned to normal operation. The out of service time did not impact the ability to collect sufficient sample volume over the collection cycle for this analysis.
- No milk sample was collected for the month of November. Per ODCM Table A.9.1-1, broadleaf vegetation is collected due to the limited number of milk sampling locations. Therefore, milk is not a required media to be sampled.

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 2016, 1277 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 2016, 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 2016. 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 "2016 Annual Quality Assurance Report for the Radiological Environmental Monitoring Program (REMP)", Rev. 2, dated March 29, 2017, and includes:

- Intra-laboratory QC results analyzed during 2016.
- Inter-laboratory QC results analyzed during 2016 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 participates 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 (15-RAD-001) was conducted in May, 2016. Two (2) findings, six (6) observations, and five (5) recommendations resulted from this assessment. By July, 2016, the 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 2016, fifty-five (55) 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 2016. Of the five hundred one (501) total results reported, 98.6% (494 of 501) 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 their 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 results 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 one hundred twenty-eight (128) 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 2016. No corrective action reports were noted for these results.

Summary of Participation in the MAPEP Monitoring Program

MAPEP Series 34 and 35 were analyzed by the laboratory. Of the one hundred twenty-eight (128) analyses, 98.4% (126 out of 128) of all results fell within the PT provider's acceptance criteria at the three-sigma specification. Two unacceptable results were reported: Iron-55 and Radium-226.

The corrective actions associated with these results were documented in CARR160602-1025 for MAPEP Series 34 which is summarized in Table 6.1-5.

Summary of Participation in the ERA MRaD PT Program

The ERA MRad program provided samples (MRAD-24 and MRAD-25) for one hundred ninety-four (194) individual environmental analyses. One hundred ninety-three (193) of the 194 analyses fell within the PT provider's acceptance criteria (99.4%). One analytical failure occurred: Total Uranium in water.

For the corrective actions associated with MRAD-22, refer to CARR160519-1015, which is detailed in Table 6.1-5.

Summary of Participation in the ERA PT Program

The ERA program provided samples (RAD-104, RAD-105, RAD-106 and QR030716U) for fifty-one (51) individual environmental analyses. Of the 51 analyses, 92.1% (47 out of 51) of all results fell within the PT provider's acceptance criteria. CARR160229-1005 documents the unacceptable result of Cs-137 Gross Alpha from Study RAD-104. CARR160830-1052 documents the unacceptable result of Strontium-89 from Study RAD-106. All corrective actions are provided in 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 2016. GEL has determined that causes of the failures did not impact any data reported to its clients.

Table 6.1-1
2016 INTER-LAB RADIOLOGICAL PROFICIENCY TESTING RESULTS AND ACCEPTANCE CRITERIA

PT Provider	Quarter / Year	Report Received Date	Sample Number	Sample Media	Unit	Analyte / Nuclide	GEL Value	Known value	Acceptance Range/ Ratio	Evaluation
EZA	4th/2015	2/18/2016	E11412	Cartridge	pCi	Iodine-131	7.73E+01	7.98E+01	0.97	Acceptable
EZA	4th/2015	2/18/2016	E11413	Milk	pCi/L	Strontium-89	9.41E+01	8.68E+01	1.08	Acceptable
EZA	4th/2015	2/18/2016	E11413	Milk	pCi/L	Strontium-90	9.74E+00	1.25E+01	0.78	Acceptable
EZA	4th/2015	2/18/2016	E11414	Milk	pCi/L	Iodine-131	1.01E+02	9.12E+01	1.11	Acceptable
EZA	4th/2015	2/18/2016	E11414	Milk	pCi/L	Cerium-141	1.36E+02	1.29E+02	1.06	Acceptable
EZA	4th/2015	2/18/2016	E11414	Milk	pCi/L	Chromium-51	2.79E+02	2.81E+02	0.99	Acceptable
EZA	4th/2015	2/18/2016	E11414	Milk	pCi/L	Cesium-134	1.45E+02	1.60E+02	0.91	Acceptable
EZA	4th/2015	2/18/2016	E11414	Milk	pCi/L	Cesium-137	1.15E+02	1.15E+02	1.00	Acceptable
EZA	4th/2015	2/18/2016	E11414	Milk	pCi/L	Cobalt-58	1.06E+02	1.10E+02	0.96	Acceptable
EZA	4th/2015	2/18/2016	E11414	Milk	pCi/L	Manganese-54	1.53E+02	1.45E+02	1.06	Acceptable
EZA	4th/2015	2/18/2016	E11414	Milk	pCi/L	Iron-59	1.19E+02	1.08E+02	1.10	Acceptable
EZA	4th/2015	2/18/2016	E11414	Milk	pCi/L	Zinc-65	2.69E+02	2.48E+02	1.08	Acceptable
EZA	4th/2015	2/18/2016	E11414	Milk	pCi/L	Cobalt-60	2.12E+02	2.13E+02	0.99	Acceptable
EZA	4th/2015	2/18/2016	E11415	Water	pCi/L	Iodine-131	1.05E+02	9.26E+01	1.13	Acceptable
EZA	4th/2015	2/18/2016	E11415	Water	pCi/L	Cerium-141	1.27E+02	1.12E+02	1.14	Acceptable
EZA	4th/2015	2/18/2016	E11415	Water	pCi/L	Chromium-51	2.60E+02	2.44E+02	1.07	Acceptable
EZA	4th/2015	2/18/2016	E11415	Water	pCi/L	Cesium-134	1.25E+02	1.39E+02	0.90	Acceptable
EZA	4th/2015	2/18/2016	E11415	Water	pCi/L	Cesium-137	1.12E+02	9.95E+01	1.13	Acceptable
EZA	4th/2015	2/18/2016	E11415	Water	pCi/L	Cobalt-58	9.73E+01	9.56E+01	1.02	Acceptable
EZA	4th/2015	2/18/2016	E11415	Water	pCi/L	Manganese-54	1.41E+02	1.26E+02	1.12	Acceptable
EZA	4th/2015	2/18/2016	E11415	Water	pCi/L	Iron-59	1.11E+02	9.34E+01	1.19	Acceptable
EZA	4th/2015	2/18/2016	E11415	Water	pCi/L	Zinc-65	2.43E+02	2.15E+02	1.13	Acceptable
EZA	4th/2015	2/18/2016	E11415	Water	pCi/L	Cobalt-60	1.92E+02	1.85E+02	1.04	Acceptable
ERA	1st / 2016	2/25/2016	RAD-104	Water	pCi/L	Barium-133	94.1	90.5	76.2 - 99.6	Acceptable
ERA	1st / 2016	2/25/2016	RAD-104	Water	pCi/L	Cesium-134	24.0	23.2	17.7 - 25.9	Acceptable
ERA	1st / 2016	2/25/2016	RAD-104	Water	pCi/L	Cesium-137	72.6	59.1	53.2 - 67.8	Not Acceptable
ERA	1st / 2016	2/25/2016	RAD-104	Water	pCi/L	Cobalt-60	85.3	83.4	75.1 - 94.1	Acceptable
ERA	1st / 2016	2/25/2016	RAD-104	Water	pCi/L	Zinc-65	118	102	91.8 - 122	Acceptable
ERA	1st / 2016	2/25/2016	RAD-104	Water	pCi/L	Gross Alpha	91.1	72.8	38.3 - 89.7	Not Acceptable
ERA	1st / 2016	2/25/2016	RAD-104	Water	pCi/L	Gross Alpha	92.1	72.8	38.3 - 89.7	Not Acceptable
ERA	1st / 2016	2/25/2016	RAD-104	Water	pCi/L	Gross Beta	20.0	17.8	10.2 - 26.0	Acceptable
ERA	1st / 2016	2/25/2016	RAD-104	Water	pCi/L	Radium-226	11.0	10.0	7.49 - 11.7	Acceptable

PT Provider	Quarter / Year	Report Received Date	Sample Number	Sample Media	Unit	Analyte / Nuclide	GEL Value	Known value	Acceptance Range/ Ratio	Evaluation
ERA	1st / 2016	2/25/2016	RAD-104	Water	pCi/L	Radium-226	11.6	10.0	7.49 - 11.7	Acceptable
ERA	1st / 2016	2/25/2016	RAD-104	Water	pCi/L	Radium-226	10.7	10.0	7.49 - 11.7	Acceptable
ERA	1st / 2016	2/25/2016	RAD-104	Water	pCi/L	Radium-228	1.99	2.21	1.02 - 3.52	Acceptable
ERA	1st / 2016	2/25/2016	RAD-104	Water	pCi/L	Radium-228	2.20	2.21	1.02 - 3.52	Acceptable
ERA	1st / 2016	2/25/2016	RAD-104	Water	pCi/L	Radium-228	1.99	2.21	1.02 - 3.52	Acceptable
ERA	1st / 2016	2/25/2016	RAD-104	Water	pCi/L	Uranium (Nat)	66.9	67.1	54.6 - 74.4	Acceptable
ERA	1st / 2016	2/25/2016	RAD-104	Water	pCi/L	Uranium (Nat)	65.5	67.1	54.6 - 74.4	Acceptable
ERA	1st / 2016	2/25/2016	RAD-104	Water	µg/L	Uranium (Nat) mass	99.9	97.9	79.7 - 109	Acceptable
ERA	1st / 2016	2/25/2016	RAD-104	Water	pCi/L	Tritium	11700	12100	10500 - 13300	Acceptable
ERA	1st / 2016	2/25/2016	RAD-104	Water	pCi/L	Strontium-89	55.8	68.0	55.4 - 76.2	Acceptable
ERA	1st / 2016	2/25/2016	RAD-104	Water	pCi/L	Strontium-90	44.7	43.4	32.0 - 49.8	Acceptable
ERA	1st / 2016	2/25/2016	RAD-104	Water	pCi/L	Iodine-131	24.6	25.1	20.8 - 29.7	Acceptable
ERA	1st / 2016	2/25/2016	RAD-104	Water	pCi/L	Iodine-131	24.2	25.1	20.8 - 29.7	Acceptable
ERA	1st / 2016	3/14/2016	QR030716U	Water	pCi/L	Cesium-137	156	157	141-175	Acceptable
EZA	1st/2016	05/16/15	E11445	Cartridge	pCi	Iodine-131	9.39E+01	8.86E+01	1.06	Acceptable
EZA	1st/2016	05/16/15	E11446	Milk	pCi/L	Strontium-89	8.16E+01	8.67E+01	0.94	Acceptable
EZA	1st/2016	05/16/15	E11446	Milk	pCi/L	Strontium-90	1.08E+01	1.14E+01	0.95	Acceptable
EZA	1st/2016	05/16/15	E11447	Milk	pCi/L	Iodine-131	9.41E+01	8.22E+01	1.15	Acceptable
EZA	1st/2016	05/16/15	E11447	Milk	pCi/L	Cerium-141	1.05E+02	9.84E+01	1.07	Acceptable
EZA	1st/2016	05/16/15	E11447	Milk	pCi/L	Chromium-51	2.69E+02	2.43E+02	1.11	Acceptable
EZA	1st/2016	05/16/15	E11447	Milk	pCi/L	Cesium-134	1.13E+02	1.30E+02	0.87	Acceptable
EZA	1st/2016	05/16/15	E11447	Milk	pCi/L	Cesium-137	1.64E+02	1.61E+02	1.02	Acceptable
EZA	1st/2016	05/16/15	E11447	Milk	pCi/L	Cobalt-58	1.16E+02	1.17E+02	0.99	Acceptable
EZA	1st/2016	05/16/15	E11447	Milk	pCi/L	Manganese-54	1.24E+02	1.17E+02	1.06	Acceptable
EZA	1st/2016	05/16/15	E11447	Milk	pCi/L	Iron-59	1.47E+02	1.31E+02	1.12	Acceptable
EZA	1st/2016	05/16/15	E11447	Milk	pCi/L	Zinc-65	1.98E+02	1.79E+02	1.11	Acceptable
EZA	1st/2016	05/16/15	E11447	Milk	pCi/L	Cobalt-60	2.59E+02	2.44E+02	1.06	Acceptable
EZA	1st/2016	05/16/15	E11448	Water	pCi/L	Iodine-131	9.92E+01	9.67E+01	1.03	Acceptable
EZA	1st/2016	05/16/15	E11448	Water	pCi/L	Cerium-141	1.40E+02	1.39E+02	1.01	Acceptable
EZA	1st/2016	05/16/15	E11448	Water	pCi/L	Chromium-51	3.95E+02	3.66E+02	1.08	Acceptable
EZA	1st/2016	05/16/15	E11448	Water	pCi/L	Cesium-134	1.12E+02	1.26E+02	0.89	Acceptable
EZA	1st/2016	05/16/15	E11448	Water	pCi/L	Cesium-137	1.69E+02	1.67E+02	1.01	Acceptable
EZA	1st/2016	05/16/15	E11448	Water	pCi/L	Cobalt-58	1.78E+02	1.80E+02	0.99	Acceptable
EZA	1st/2016	05/16/15	E11448	Water	pCi/L	Manganese-54	1.66E+02	1.59E+02	1.05	Acceptable
EZA	1st/2016	05/16/15	E11448	Water	pCi/L	Iron-59	2.14E+02	1.95E+02	1.01	Acceptable

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EZA	1st/2016	05/16/15	E11448	Water	pCi/L	Zinc-65	3.25E+02	2.99E+02	1.09	Acceptable
EZA	1st/2016	05/16/15	E11448	Water	pCi/L	Cobalt-60	3.23E+02	3.28E+02	0.98	Acceptable
EZA	1st/2016	05/16/15	E11449	Water	pCi/L	Niobium-95	4.01E+03	3.62E+03	1.11	Acceptable
EZA	1st/2016	05/16/15	E11449	Water	pCi/L	Zirconium-95	9.79E+03	9.48E+03	1.03	Acceptable
EZA	1st/2016	05/16/15	E11449	Water	pCi/L	Tc-99M	1.34E+03	1.32E+03	1.02	Acceptable
EZA	1st/2016	05/16/15	E11449	Water	pCi/L	Ruthenium-103	6.33E+03	6.23E+03	1.02	Acceptable
EZA	1st/2016	05/16/15	E11449	Water	pCi/L	Iodine-131	4.64E+03	4.83E+03	0.96	Acceptable
EZA	1st/2016	05/16/15	E11449	Water	pCi/L	Iodine-132	1.39E+03	1.62E+03	0.86	Acceptable
EZA	1st/2016	05/16/15	E11449	Water	pCi/L	Tellurium-132	1.81E+03	1.50E+03	1.21	Acceptable
EZA	1st/2016	05/16/15	E11449	Water	pCi/L	Cesium-137	7.79E+01	7.31E+01	1.07	Acceptable
EZA	1st/2016	05/16/15	E11449	Water	pCi/L	Barium-140	1.89E+04	1.85E+04	1.02	Acceptable
EZA	1st/2016	05/16/15	E11449	Water	pCi/L	Lanthanum-140	2.11E+04	2.06E+04	1.03	Acceptable
EZA	1st/2016	05/16/15	E11449	Water	pCi/L	Cerium-141	1.43E+04	1.39E+04	1.03	Acceptable
EZA	1st/2016	05/16/15	E11449	Water	pCi/L	Cerium-144	2.20E+03	2.08E+03	1.06	Acceptable
EZA	1st/2016	05/16/15	E11449	Water	pCi/L	Neodymium-147	6.40E+03	6.19E+03	1.03	Acceptable
MAPEP	2nd/2016	06/02/16	MAPEP-16-GrF34	Filter	Bq/sample	Gross Alpha	1.41	1.20	0.36-2.04	Acceptable
MAPEP	2nd/2016	06/02/16	MAPEP-16-GrF34	Filter	Bq/sample	Gross Beta	0.897	0.790	0.40-1.19	Acceptable
MAPEP	2nd/2016	06/02/16	MAPEP-16-MaS34	Soil	Bq/Kg	Americium-241	111	103.0	72-134	Acceptable
MAPEP	2nd/2016	06/02/16	MAPEP-16-MaS34	Soil	Bq/Kg	Cesium-134	953	1030	721-1339	Acceptable
MAPEP	2nd/2016	06/02/16	MAPEP-16-MaS34	Soil	Bq/Kg	Cesium-137	2.57		False Pos Test	Acceptable
MAPEP	2nd/2016	06/02/16	MAPEP-16-MaS34	Soil	Bq/Kg	Cobalt-57	1030.000	992	694-1290	Acceptable
MAPEP	2nd/2016	06/02/16	MAPEP-16-MaS34	Soil	Bq/Kg	Cobalt-60	1270	1190	833-1547	Acceptable
MAPEP	2nd/2016	06/02/16	MAPEP-16-MaS34	Soil	Bq/Kg	Iron-55	197	428	300-556	Not Acceptable
MAPEP	2nd/2016	06/02/16	MAPEP-16-MaS34	Soil	Bq/Kg	Manganese-54	1230	1160	812-1508	Acceptable
MAPEP	2nd/2016	06/02/16	MAPEP-16-MaS34	Soil	Bq/Kg	Nickel-63	1240	1250	875-1625	Acceptable
MAPEP	2nd/2016	06/02/16	MAPEP-16-MaS34	Soil	Bq/Kg	Plutonium-238	60.1	63.6	44.5-82.7	Acceptable
MAPEP	2nd/2016	06/02/16	MAPEP-16-MaS34	Soil	Bq/Kg	Plutonium-239/240	1.15	0.21	Sens. Eval.	Acceptable
MAPEP	2nd/2016	06/02/16	MAPEP-16-MaS34	Soil	Bq/Kg	Potassium-40	680	607	425-789	Acceptable
MAPEP	2nd/2016	06/02/16	MAPEP-16-MaS34	Soil	Bq/Kg	Strontium-90	-3.40		False Pos Test	Acceptable
MAPEP	2nd/2016	06/02/16	MAPEP-16-MaS34	Soil	Bq/Kg	Technetium-99	32		False Pos Test	Acceptable
MAPEP	2nd/2016	06/02/16	MAPEP-16-MaS34	Soil	Bq/Kg	U-234/233	49.0	45.9	32.1-59.7	Acceptable
MAPEP	2nd/2016	06/02/16	MAPEP-16-MaS34	Soil	Bq/Kg	Uranium-238	143	146	102-190	Acceptable
MAPEP	2nd/2016	06/02/16	MAPEP-16-MaS34	Soil	Bq/Kg	Zinc-65	785.0	692	484-900	Acceptable
MAPEP	2nd/2016	06/02/16	MAPEP-16-MaW34	Water	Bq/L	Americium-241	0.0113		False Pos Test	Acceptable

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MAPEP	2nd/2016	06/02/16	MAPEP-16-MaW34	Water	Bq/L	Cesium-134	15.0	16.1	11.3 - 20.9	Acceptable
MAPEP	2nd/2016	06/02/16	MAPEP-16-MaW34	Water	Bq/L	Cesium-137	21.8	21.2	14.8 - 27.6	Acceptable
MAPEP	2nd/2016	06/02/16	MAPEP-16-MaW34	Water	Bq/L	Cobalt-57	0.000		False Pos Test	Acceptable
MAPEP	2nd/2016	06/02/16	MAPEP-16-MaW34	Water	Bq/L	Cobalt-60	12.2	11.8	8.3 - 15.3	Acceptable
MAPEP	2nd/2016	06/02/16	MAPEP-16-MaW34	Water	Bq/L	Hydrogen-3	0.878		False Pos Test	Acceptable
MAPEP	2nd/2016	06/02/16	MAPEP-16-MaW34	Water	Bq/L	Iron-55	18.3	16.2	11.3 - 21.1	Acceptable
MAPEP	2nd/2016	06/02/16	MAPEP-16-MaW34	Water	Bq/L	Manganese-54	11.4	11.1	7.8 - 14.4	Acceptable
MAPEP	2nd/2016	06/02/16	MAPEP-16-MaW34	Water	Bq/L	Nickel-63	12.0	12.3	8.6 - 16.0	Acceptable
MAPEP	2nd/2016	06/02/16	MAPEP-16-MaW34	Water	Bq/L	Plutonium-238	1.14	1.244	0.871 - 1.617	Acceptable
MAPEP	2nd/2016	06/02/16	MAPEP-16-MaW34	Water	Bq/L	Plutonium-239/240	0.586	0.641	0.449 - 0.833	Acceptable
MAPEP	2nd/2016	06/02/16	MAPEP-16-MaW34	Water	Bq/L	Potassium-40	272	251	176 - 326	Acceptable
MAPEP	2nd/2016	06/02/16	MAPEP-16-MaW34	Water	Bq/L	Radium-226	1.45	0.718	0.503 - 0.933	Not Acceptable
MAPEP	2nd/2016	06/02/16	MAPEP-16-MaW34	Water	Bq/L	Strontium-90	7.12	8.74	6.12 - 11.36	Acceptable
MAPEP	2nd/2016	06/02/16	MAPEP-16-MaW34	Water	Bq/L	Technetium-99	0.0453		False Pos Test	Acceptable
MAPEP	2nd/2016	06/02/16	MAPEP-16-MaW34	Water	Bq/L	Uranium-234/233	1.37	1.48	1.04 - 1.92	Acceptable
MAPEP	2nd/2016	06/02/16	MAPEP-16-MaW34	Water	Bq/L	Uranium-238	1.43	1.53	1.07 - 1.99	Acceptable
MAPEP	2nd/2016	06/02/16	MAPEP-16-GrW34	Water	Bq/L	Zinc-65	14.3	13.6	9.5 - 17.7	Acceptable
MAPEP	2nd/2016	06/02/16	MAPEP-16-MaW34	Water	Bq/L	Gross Alpha	0.957	0.67	0.202-1.144	Acceptable
MAPEP	2nd/2016	06/02/16	MAPEP-16-XaW34	Water	Bq/L	Gross Beta	2.390	2.150	1.08-3.23	Acceptable
MAPEP	2nd/2016	06/02/16	MAPEP-16-MaW34	Water	Bq/L	Iodine-129	4.00	3.85	2.70-5.01	Acceptable
MAPEP	2nd/2016	06/02/16	MAPEP-16-RdF34	Filter	ug/sample	Uranium-235	0.091	0.101	0.071 - 0.131	Acceptable
MAPEP	2nd/2016	06/02/16	MAPEP-16-RdF34	Filter	ug/sample	Uranium-238	13.9	13.8	9.7 - 17.9	Acceptable
MAPEP	2nd/2016	06/02/16	MAPEP-16-RdF34	Filter	ug/sample	Uranium-Total	14.0	13.9	9.7 - 18.1	Acceptable
MAPEP	2nd/2016	06/02/16	MAPEP-16-RdF34	Filter	Bq/sample	Americium-241	0.0751	0.0805	0.0564 - 0.1047	Acceptable
MAPEP	2nd/2016	06/02/16	MAPEP-16-RdF34	Filter	Bq/sample	Cesium-134	-0.0349		False Pos Test	Acceptable
MAPEP	2nd/2016	06/02/16	MAPEP-16-RdF34	Filter	Bq/sample	Cesium-137	2.37	2.30	1.61 - 2.99	Acceptable
MAPEP	2nd/2016	06/02/16	MAPEP-16-RdF34	Filter	Bq/sample	Cobalt-57	3	2.94	2.06 - 3.82	Acceptable
MAPEP	2nd/2016	06/02/16	MAPEP-16-RdF34	Filter	Bq/sample	Cobalt-60	4.17	4.02	2.81 - 5.23	Acceptable
MAPEP	2nd/2016	06/02/16	MAPEP-16-RdF34	Filter	Bq/sample	Manganese-54	4.60	4.53	3.17 - 5.89	Acceptable
MAPEP	2nd/2016	06/02/16	MAPEP-16-RdF34	Filter	Bq/sample	Plutonium-238	0.0593	0.0637	0.0446 - 0.0828	Acceptable
MAPEP	2nd/2016	06/02/16	MAPEP-16-RdF34	Filter	Bq/sample	Plutonium-239/240	0.0889	0.099	0.069 - 0.129	Acceptable
MAPEP	2nd/2016	06/02/16	MAPEP-16-RdF34	Filter	Bq/sample	Strontium-90	1.01	1.38	0.97 - 1.79	Acceptable
MAPEP	2nd/2016	06/02/16	MAPEP-16-RdF34	Filter	Bq/sample	Uranium-234/233	0.170	0.165	0.116 - 0.215	Acceptable

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MAPEP	2nd/2016	06/02/16	MAPEP-16-RdF34	Filter	Bq/sample	Uranium-238	0.179	0.172	0.120 - 0.224	Acceptable
MAPEP	2nd/2016	06/02/16	MAPEP-16-RdF34	Filter	Bq/sample	Zinc-65	3.52	3.57	2.50 - 4.64	Acceptable
MAPEP	2nd/2016	06/02/16	MAPEP-16-Rv34	Vegetation	Bq/sample	Americium-241	0.101	0.089	0.062 - 0.116	Acceptable
MAPEP	2nd/2016	06/02/16	MAPEP-16-Rv34	Vegetation	Bq/sample	Cesium-134	9.49	10.62	7.43 - 13.81	Acceptable
MAPEP	2nd/2016	06/02/16	MAPEP-16-Rv34	Vegetation	Bq/sample	Cesium-137	5.50	5.62	3.93 - 7.31	Acceptable
MAPEP	2nd/2016	06/02/16	MAPEP-16-Rv34	Vegetation	Bq/sample	Cobalt-57	12.0	11.8	8.3 - 15.3	Acceptable
MAPEP	2nd/2016	06/02/16	MAPEP-16-Rv34	Vegetation	Bq/sample	Cobalt-60	-0.0339		False Pos Test	Acceptable
MAPEP	2nd/2016	06/02/16	MAPEP-16-Rv34	Vegetation	Bq/sample	Manganese-54	-0.00655		False Pos Test	Acceptable
MAPEP	2nd/2016	06/02/16	MAPEP-16-Rv34	Vegetation	Bq/sample	Plutonium-238	0.0929	0.105	0.074 - 0.137	Acceptable
MAPEP	2nd/2016	06/02/16	MAPEP-16-Rv34	Vegetation	Bq/sample	Plutonium-239/240	0.0801	0.092	0.064 - 0.120	Acceptable
MAPEP	2nd/2016	06/02/16	MAPEP-16-Rv34	Vegetation	Bq/sample	Strontium-90	-0.00648		False Pos Test	Acceptable
MAPEP	2nd/2016	06/02/16	MAPEP-16-Rv34	Vegetation	Bq/sample	Uranium-234/233	0.204	0.196	0.137 - 0.255	Acceptable
MAPEP	2nd/2016	06/02/16	MAPEP-16-Rv34	Vegetation	Bq/sample	Uranium-238	0.225	0.204	0.143 - 0.265	Acceptable
MAPEP	2nd/2016	06/02/16	MAPEP-16-Rv34	Vegetation	Bq/sample	Zinc-65	10.3	9.6	6.7 - 12.5	Acceptable
ERA	2nd/2016	05/13/16	MRAD-24	Soil	pCi/kg	Actinium-228	1320	1240	795 - 1720	Acceptable
ERA	2nd/2016	05/13/16	MRAD-24	Soil	pCi/kg	Americium-241	1410	1360	796 - 1770	Acceptable
ERA	2nd/2016	05/13/16	MRAD-24	Soil	pCi/kg	Bismuth-212	1220	1240	330 - 1820	Acceptable
ERA	2nd/2016	05/13/16	MRAD-24	Soil	pCi/kg	Bismuth-214	4130	3530	2130 - 5080	Acceptable
ERA	2nd/2016	05/13/16	MRAD-24	Soil	pCi/kg	Cesium-134	3500	3450	2260 - 4140	Acceptable
ERA	2nd/2016	05/13/16	MRAD-24	Soil	pCi/kg	Cesium-137	4510	4310	3300 - 5550	Acceptable
ERA	2nd/2016	05/13/16	MRAD-24	Soil	pCi/kg	Cobalt-60	5760	5490	3710 - 7560	Acceptable
ERA	2nd/2016	05/13/16	MRAD-24	Soil	pCi/kg	Lead-212	1360	1240	812 - 1730	Acceptable
ERA	2nd/2016	05/13/16	MRAD-24	Soil	pCi/kg	Lead-214	4590	3710	2170 - 5530	Acceptable
ERA	2nd/2016	05/13/16	MRAD-24	Soil	pCi/kg	Manganese-54	<54.7	<1000	<1000	Acceptable
ERA	2nd/2016	05/13/16	MRAD-24	Soil	pCi/kg	Plutonium-238	585	658	396 - 908	Acceptable
ERA	2nd/2016	05/13/16	MRAD-24	Soil	pCi/kg	Plutonium-239	477	496	324 - 685	Acceptable
ERA	2nd/2016	05/13/16	MRAD-24	Soil	pCi/kg	Potassium-40	10900	10600	7740 - 14200	Acceptable
ERA	2nd/2016	05/13/16	MRAD-24	Soil	pCi/kg	Strontium-90	7120	8560	3260 - 13500	Acceptable
ERA	2nd/2016	05/13/16	MRAD-24	Soil	pCi/kg	Thorium-234	3590	3430	1080 - 6450	Acceptable
ERA	2nd/2016	05/13/16	MRAD-24	Soil	pCi/kg	Uranium-234	3940	3460	2110 - 4430	Acceptable
ERA	2nd/2016	05/13/16	MRAD-24	Soil	pCi/kg	Uranium-234	2334	3460	2110 - 4430	Acceptable
ERA	2nd/2016	05/13/16	MRAD-24	Soil	pCi/kg	Uranium-234	3460	3460	2110 - 4430	Acceptable
ERA	2nd/2016	05/13/16	MRAD-24	Soil	pCi/kg	Uranium-238	3540	3430	2120 - 4350	Acceptable
ERA	2nd/2016	05/13/16	MRAD-24	Soil	pCi/kg	Uranium-238	2757	3430	2120 - 4350	Acceptable

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ERA	2nd/2016	05/13/16	MRAD-24	Soil	pCi/kg	Uranium-238	3340	3430	2120 - 4350	Acceptable
ERA	2nd/2016	05/13/16	MRAD-24	Soil	pCi/kg	Uranium-Total	7428	7050	3820 - 9300	Acceptable
ERA	2nd/2016	05/13/16	MRAD-24	Soil	pCi/kg	Uranium-Total	5091	7050	3820 - 9300	Acceptable
ERA	2nd/2016	05/13/16	MRAD-24	Soil	pCi/kg	Uranium-Total	7214	7050	3820 - 9300	Acceptable
ERA	2nd/2016	05/13/16	MRAD-24	Soil	µg/kg	Uranium-Total (mass)	10600	10300	5680 - 13000	Acceptable
ERA	2nd/2016	05/13/16	MRAD-24	Soil	µg/kg	Uranium-Total (mass)	9790	10300	5680 - 13000	Acceptable
ERA	2nd/2016	05/13/16	MRAD-24	Soil	µg/kg	Uranium-Total (mass)	8450	10300	5680 - 13000	Acceptable
ERA	2nd/2016	05/13/16	MRAD-24	Soil	µg/kg	Uranium-Total (mass)	9370	10300	5680 - 13000	Acceptable
ERA	2nd/2016	05/13/16	MRAD-24	Soil	µg/kg	Uranium-Total (mass)	9790	10300	5680 - 13000	Acceptable
ERA	2nd/2016	05/13/16	MRAD-24	Soil	pCi/kg	Zinc-65	2730	2450	1950 - 3260	Acceptable
ERA	2nd/2016	05/13/16	MRAD-24	Vegetation	pCi/kg	Americium-241	2240	2120	1300 - 2820	Acceptable
ERA	2nd/2016	05/13/16	MRAD-24	Vegetation	pCi/kg	Cesium-134	1070	1070	687 - 1390	Acceptable
ERA	2nd/2016	05/13/16	MRAD-24	Vegetation	pCi/kg	Cesium-137	941	838	608 - 1170	Acceptable
ERA	2nd/2016	05/13/16	MRAD-24	Vegetation	pCi/kg	Cobalt-60	1300	1100	759 - 1540	Acceptable
ERA	2nd/2016	05/13/16	MRAD-24	Vegetation	pCi/kg	Curium-244	1310	1560	764 - 2430	Acceptable
ERA	2nd/2016	05/13/16	MRAD-24	Vegetation	pCi/kg	Manganese-54	<34.1	<300	<300	Acceptable
ERA	2nd/2016	05/13/16	MRAD-24	Vegetation	pCi/kg	Plutonium-238	2620	2810	1680 - 3850	Acceptable
ERA	2nd/2016	05/13/16	MRAD-24	Vegetation	pCi/kg	Plutonium-239	3360	3640	2230 - 5010	Acceptable
ERA	2nd/2016	05/13/16	MRAD-24	Vegetation	pCi/kg	Potassium-40	38100	31000	22400 - 43500	Acceptable
ERA	2nd/2016	05/13/16	MRAD-24	Vegetation	pCi/kg	Strontium-90	8370	8710	4960 - 11500	Acceptable
ERA	2nd/2016	05/13/16	MRAD-24	Vegetation	pCi/kg	Uranium-234	4320	4160	2740 - 5340	Acceptable
ERA	2nd/2016	05/13/16	MRAD-24	Vegetation	pCi/kg	Uranium-238	4430	4120	2750 - 5230	Acceptable
ERA	2nd/2016	05/13/16	MRAD-24	Vegetation	pCi/kg	Uranium-Total	9040	8470	5740 - 10500	Acceptable
ERA	2nd/2016	05/13/16	MRAD-24	Vegetation	µg/kg	Uranium-Total (mass)	12500	12400	8310 - 15700	Acceptable
ERA	2nd/2016	05/13/16	MRAD-24	Vegetation	µg/kg	Uranium-Total (mass)	13300	12400	8310 - 15700	Acceptable
ERA	2nd/2016	05/13/16	MRAD-24	Vegetation	pCi/kg	Zinc-65	3700	2820	2030 - 3960	Acceptable
ERA	2nd/2016	05/13/16	MRAD-24	Filter	pCi/Filter	Americium-241	44.2	45.9	28.3 - 62.1	Acceptable
ERA	2nd/2016	05/13/16	MRAD-24	Filter	pCi/Filter	Cesium-134	254	304	193 - 377	Acceptable
ERA	2nd/2016	05/13/16	MRAD-24	Filter	pCi/Filter	Cesium-137	1060	1150	864 - 1510	Acceptable
ERA	2nd/2016	05/13/16	MRAD-24	Filter	pCi/Filter	Cobalt-60	576	623	482 - 778	Acceptable
ERA	2nd/2016	05/13/16	MRAD-24	Filter	pCi/Filter	Iron-55	94.9	126	39.1 - 246	Acceptable
ERA	2nd/2016	05/13/16	MRAD-24	Filter	pCi/Filter	Manganese-54	<3.61	<50.0	<50.0	Acceptable

PT Provider	Quarter / Year	Report Received Date	Sample Number	Sample Media	Unit	Analyte / Nuclide	GEL Value	Known value	Acceptance Range/ Ratio	Evaluation
ERA	2nd/2016	05/13/16	MRAD-24	Filter	pCi/Filter	Plutonium-238	60.8	70.5	48.3 - 92.7	Acceptable
ERA	2nd/2016	05/13/16	MRAD-24	Filter	pCi/Filter	Plutonium-239	46.9	54.8	39.7 - 71.6	Acceptable
ERA	2nd/2016	05/13/16	MRAD-24	Filter	pCi/Filter	Strontium-90	141	150	73.3 - 225	Acceptable
ERA	2nd/2016	05/13/16	MRAD-24	Filter	pCi/Filter	Uranium-234	63.1	64.8	40.2 - 97.7	Acceptable
ERA	2nd/2016	05/13/16	MRAD-24	Filter	pCi/Filter	Uranium-234	54.2	64.8	40.2 - 97.7	Acceptable
ERA	2nd/2016	05/13/16	MRAD-24	Filter	pCi/Filter	Uranium-238	51.4	64.2	41.5 - 88.8	Acceptable
ERA	2nd/2016	05/13/16	MRAD-24	Filter	pCi/Filter	Uranium-238	56.9	64.2	41.5 - 88.8	Acceptable
ERA	2nd/2016	05/13/16	MRAD-24	Filter	pCi/Filter	Uranium-Total	117	132	73.1 - 201	Acceptable
ERA	2nd/2016	05/13/16	MRAD-24	Filter	pCi/Filter	Uranium-Total	114	132	73.1 - 201	Acceptable
ERA	2nd/2016	05/13/16	MRAD-24	Filter	µg/Filter	Uranium-Total (mass)	156	192	123 - 270	Acceptable
ERA	2nd/2016	05/13/16	MRAD-24	Filter	µg/Filter	Uranium-Total (mass)	171	192	123 - 270	Acceptable
ERA	2nd/2016	05/13/16	MRAD-24	Filter	µg/Filter	Uranium-Total (mass)	154	192	123 - 270	Acceptable
ERA	2nd/2016	05/13/16	MRAD-24	Filter	µg/Filter	Uranium-Total (mass)	156	192	123 - 270	Acceptable
ERA	2nd/2016	05/13/16	MRAD-24	Filter	pCi/Filter	Zinc-65	358	356	255 - 492	Acceptable
ERA	2nd/2016	05/13/16	MRAD-24	Filter	pCi/Filter	Gross Alpha	79.5	70.1	23.5 - 109	Acceptable
ERA	2nd/2016	05/13/16	MRAD-24	Filter	pCi/Filter	Gross Beta	63.5	54.4	34.4 - 79.3	Acceptable
ERA	2nd/2016	05/13/16	MRAD-24	Filter	pCi/Filter	Gross Beta	63.5	54.4	34.4 - 79.3	Acceptable
ERA	2nd/2016	05/13/16	MRAD-24	Water	pCi/L	Americium-241	134	121	81.5 - 162	Acceptable
ERA	2nd/2016	05/13/16	MRAD-24	Water	pCi/L	Cesium-134	813	842	618 - 968	Acceptable
ERA	2nd/2016	05/13/16	MRAD-24	Water	pCi/L	Cesium-137	1110	1100	934 - 1320	Acceptable
ERA	2nd/2016	05/13/16	MRAD-24	Water	pCi/L	Cobalt-60	1090	1050	912 - 1230	Acceptable
ERA	2nd/2016	05/13/16	MRAD-24	Water	pCi/L	Iron-55	1630	1650	984 - 2240	Acceptable
ERA	2nd/2016	05/13/16	MRAD-24	Water	pCi/L	Manganese-54	<6.38	<100	<100	Acceptable
ERA	2nd/2016	05/13/16	MRAD-24	Water	pCi/L	Plutonium-238	126	138	102 - 172	Acceptable
ERA	2nd/2016	05/13/16	MRAD-24	Water	pCi/L	Plutonium-239	88.2	98.7	76.6 - 124	Acceptable
ERA	2nd/2016	05/13/16	MRAD-24	Water	pCi/L	Strontium-90	472	434	283 - 574	Acceptable
ERA	2nd/2016	05/13/16	MRAD-24	Water	pCi/L	Uranium-234	59.3	52.7	39.6 - 68.0	Acceptable
ERA	2nd/2016	05/13/16	MRAD-24	Water	pCi/L	Uranium-234	49.9	52.7	39.6 - 68.0	Acceptable
ERA	2nd/2016	05/13/16	MRAD-24	Water	pCi/L	Uranium-234	49.8	52.7	39.6 - 68.0	Acceptable
ERA	2nd/2016	05/13/16	MRAD-24	Water	pCi/L	Uranium-238	54.1	52.3	39.9 - 64.2	Acceptable
ERA	2nd/2016	05/13/16	MRAD-24	Water	pCi/L	Uranium-238	53.7	52.3	39.9 - 64.2	Acceptable
ERA	2nd/2016	05/13/16	MRAD-24	Water	pCi/L	Uranium-238	49.1	52.3	39.9 - 64.2	Acceptable
ERA	2nd/2016	05/13/16	MRAD-24	Water	pCi/L	Uranium-Total	110.7	107	78.6 - 138	Acceptable

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ERA	2nd/2016	05/13/16	MRAD-24	Water	pCi/L	Uranium-Total	158	107	78.6 - 138	Not Acceptable
ERA	2nd/2016	05/13/16	MRAD-24	Water	pCi/L	Uranium-Total	106.4	107	78.6 - 138	Acceptable
ERA	2nd/2016	05/13/16	MRAD-24	Water	pCi/L	Uranium-Total	103.9	107	78.6 - 138	Acceptable
ERA	2nd/2016	05/13/16	MRAD-24	Water	µg/L	Uranium-Total (mass)	160.9	157	125 - 190	Acceptable
ERA	2nd/2016	05/13/16	MRAD-24	Water	µg/L	Uranium-Total (mass)	147	157	125 - 190	Acceptable
ERA	2nd/2016	05/13/16	MRAD-24	Water	µg/L	Uranium-Total (mass)	161	157	125 - 190	Acceptable
ERA	2nd/2016	05/13/16	MRAD-24	Water	pCi/L	Zinc-65	1130	1010	842 - 1270	Acceptable
ERA	2nd/2016	05/13/16	MRAD-24	Water	pCi/L	Gross Alpha	160	117	41.5 - 181	Acceptable
ERA	2nd/2016	05/13/16	MRAD-24	Water	pCi/L	Gross Beta	79.3	75.5	43.2 - 112	Acceptable
ERA	2nd/2016	05/13/16	MRAD-24	Water	pCi/L	Tritium	8470	8650	5800 - 12300	Acceptable
ERA	2nd/2016	05/23/16	RAD-105	Water	pCi/L	Cesium-137	81.5	78.4	70.6 - 88.9	Acceptable
ERA	2nd/2016	05/23/16	RAD-105	Water	pCi/L	Gross Alpha	72.6	62.7	32.9 - 77.8	Acceptable
ERA	2nd/2016	05/23/16	RAD-105	Water	pCi/L	Gross Alpha	74	62.7	32.9 - 77.8	Acceptable
ERA	2nd/2016	05/23/16	RAD-105	Water	pCi/L	Iodine-131	27.9	26.6	22.1 - 31.3	Acceptable
EZA	2nd/2016	07/27/16	E11573	Cartridge	pCi	Iodine-131	9.52E+01	8.94E+01	1.07	Acceptable
EZA	2nd/2016	07/27/16	E11574	Milk	pCi/L	Strontium-89	8.51E+01	9.44E+01	0.90	Acceptable
EZA	2nd/2016	07/27/16	E11574	Milk	pCi/L	Strontium-90	9.49E+01	1.54E+02	0.62	Acceptable
EZA	2nd/2016	07/27/16	E11575	Milk	pCi/L	Iodine-131	9.77E+01	9.45E+01	1.03	Acceptable
EZA	2nd/2016	07/27/16	E11575	Milk	pCi/L	Cerium-141	1.46E+02	1.39E+02	1.05	Acceptable
EZA	2nd/2016	07/27/16	E11575	Milk	pCi/L	Chromium-51	2.53E+02	2.76E+02	0.92	Acceptable
EZA	2nd/2016	07/27/16	E11575	Milk	pCi/L	Cesium-134	1.62E+02	1.74E+02	0.93	Acceptable
EZA	2nd/2016	07/27/16	E11575	Milk	pCi/L	Cesium-137	1.20E+02	1.20E+02	1.00	Acceptable
EZA	2nd/2016	07/27/16	E11575	Milk	pCi/L	Cobalt-58	1.39E+02	1.42E+02	0.98	Acceptable
EZA	2nd/2016	07/27/16	E11575	Milk	pCi/L	Manganese-54	1.26E+02	1.25E+02	1.00	Acceptable
EZA	2nd/2016	07/27/16	E11575	Milk	pCi/L	Iron-59	1.25E+02	1.22E+02	1.03	Acceptable
EZA	2nd/2016	07/27/16	E11575	Milk	pCi/L	Zinc-65	2.47E+02	2.35E+02	1.05	Acceptable
EZA	2nd/2016	07/27/16	E11575	Milk	pCi/L	Cobalt-60	1.72E+02	1.73E+02	1.00	Acceptable
EZA	2nd/2016	07/27/16	E11576	Water	pCi/L	Iodine-131	1.02E+02	9.67E+01	1.05	Acceptable
EZA	2nd/2016	07/27/16	E11576	Water	pCi/L	Cerium-141	1.56E+02	1.47E+02	1.06	Acceptable
EZA	2nd/2016	07/27/16	E11576	Water	pCi/L	Chromium-51	3.33E+02	2.92E+02	1.14	Acceptable
EZA	2nd/2016	07/27/16	E11576	Water	pCi/L	Cesium-134	1.65E+02	1.85E+02	0.89	Acceptable
EZA	2nd/2016	07/27/16	E11576	Water	pCi/L	Cesium-137	1.34E+02	1.28E+02	1.05	Acceptable
EZA	2nd/2016	07/27/16	E11576	Water	pCi/L	Cobalt-58	1.47E+02	1.51E+02	0.98	Acceptable
EZA	2nd/2016	07/27/16	E11576	Water	pCi/L	Manganese-54	1.45E+02	1.33E+02	1.09	Acceptable

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EZA	2nd/2016	07/27/16	E11576	Water	pCi/L	Iron-59	1.54E+02	1.29E+02	1.19	Acceptable
EZA	2nd/2016	07/27/16	E11576	Water	pCi/L	Zinc-65	2.72E+02	2.49E+02	1.09	Acceptable
EZA	2nd/2016	07/27/16	E11576	Water	pCi/L	Cobalt-60	1.99E+02	1.83E+02	1.09	Acceptable
ERA	3rd / 2016	08/30/16	RAD - 106	Water	pCi/L	Barium-133	86.2	82.9	69.7 - 91.2	Acceptable
ERA	3rd / 2016	08/30/16	RAD - 106	Water	pCi/L	Cesium-134	62.3	65.3	53.1 - 71.8	Acceptable
ERA	3rd / 2016	08/30/16	RAD - 106	Water	pCi/L	Cesium-137	99.3	95.2	85.7 - 107	Acceptable
ERA	3rd / 2016	08/30/16	RAD - 106	Water	pCi/L	Cobalt-60	123	117	105 - 131	Acceptable
ERA	3rd / 2016	08/30/16	RAD - 106	Water	pCi/L	Zinc-65	118	113	102 - 134	Acceptable
ERA	3rd / 2016	08/30/16	RAD - 106	Water	pCi/L	Gross Alpha	42.5	48.1	25.0 - 60.5	Acceptable
ERA	3rd / 2016	08/30/16	RAD - 106	Water	pCi/L	Gross Alpha	48.7	48.1	25.0 - 60.5	Acceptable
ERA	3rd / 2016	08/30/16	RAD - 106	Water	pCi/L	Gross Beta	27.3	28.6	18.2 - 36.4	Acceptable
ERA	3rd / 2016	08/30/16	RAD - 106	Water	pCi/L	Radium-226	10.4	12.3	9.18 - 14.2	Acceptable
ERA	3rd / 2016	08/30/16	RAD - 106	Water	pCi/L	Radium-226	10	12.3	9.18 - 14.2	Acceptable
ERA	3rd / 2016	08/30/16	RAD - 106	Water	pCi/L	Radium-226	11.3	12.3	9.18 - 14.2	Acceptable
ERA	3rd / 2016	08/30/16	RAD - 106	Water	pCi/L	Radium-228	5.89	5.75	3.51 - 7.57	Acceptable
ERA	3rd / 2016	08/30/16	RAD - 106	Water	pCi/L	Radium-228	5.53	5.75	3.51 - 7.57	Acceptable
ERA	3rd / 2016	08/30/16	RAD - 106	Water	pCi/L	Uranium (Nat)	36.4	35.2	28.4 - 39.3	Acceptable
ERA	3rd / 2016	08/30/16	RAD - 106	Water	pCi/L	Uranium (Nat)	34.2	35.2	28.4 - 39.3	Acceptable
ERA	3rd / 2016	08/30/16	RAD - 106	Water	µg/L	Uranium (Nat) mass	51.1	51.3	41.4 - 57.3	Acceptable
ERA	3rd / 2016	08/30/16	RAD - 106	Water	µg/L	Uranium (Nat) mass	55.6	51.3	41.4 - 57.3	Acceptable
ERA	3rd / 2016	08/30/16	RAD - 106	Water	pCi/L	Tritium	11600	12400	10800 - 13600	Acceptable
ERA	3rd / 2016	08/30/16	RAD - 106	Water	pCi/L	Strontium-89	56.9	53.3	42.3 - 60.9	Acceptable
ERA	3rd / 2016	08/30/16	RAD - 106	Water	pCi/L	Strontium-89	62.8	53.3	42.3 - 60.9	Not Acceptable
ERA	3rd / 2016	08/30/16	RAD - 106	Water	pCi/L	Strontium-90	39.1	39.2	28.8 - 45.1	Acceptable
ERA	3rd / 2016	08/30/16	RAD - 106	Water	pCi/L	Strontium-90	35.1	39.2	28.8 - 45.1	Acceptable
ERA	3rd / 2016	08/30/16	RAD - 106	Water	pCi/L	Iodine-131	27.3	24.9	20.7 - 29.5	Acceptable
ERA	3rd / 2016	08/30/16	RAD - 106	Water	pCi/L	Iodine-131	25.2	24.9	20.7 - 29.5	Acceptable
EZA	3rd/2016	11/28/16	E11605	Cartridge	pCi	Iodine-131	6.33E+01	6.01E+01	1.05	Acceptable
EZA	3rd/2016	11/28/16	E11606	Milk	pCi/L	Strontium-89	7.60E+01	9.09E+01	0.84	Acceptable
EZA	3rd/2016	11/28/16	E11606	Milk	pCi/L	Strontium-90	1.17E+01	1.37E+01	0.85	Acceptable
EZA	3rd/2016	11/28/16	E11607	Milk	pCi/L	Iodine-131	7.53E+01	7.19E+01	1.05	Acceptable
EZA	3rd/2016	11/28/16	E11607	Milk	pCi/L	Cerium-141	9.85E+01	9.32E+01	1.06	Acceptable
EZA	3rd/2016	11/28/16	E11607	Milk	pCi/L	Chromium-51	2.63E+02	2.36E+02	1.12	Acceptable
EZA	3rd/2016	11/28/16	E11607	Milk	pCi/L	Cesium-134	1.21E+02	1.36E+02	0.89	Acceptable
EZA	3rd/2016	11/28/16	E11607	Milk	pCi/L	Cesium-137	1.19E+02	1.19E+02	1.00	Acceptable

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EZA	3rd/2016	11/28/16	E11607	Milk	pCi/L	Cobalt-58	9.56E+01	9.74E+01	0.98	Acceptable
EZA	3rd/2016	11/28/16	E11607	Milk	pCi/L	Manganese-54	1.61E+02	1.52E+02	1.06	Acceptable
EZA	3rd/2016	11/28/16	E11607	Milk	pCi/L	Iron-59	9.00E+01	9.06E+01	0.99	Acceptable
EZA	3rd/2016	11/28/16	E11607	Milk	pCi/L	Zinc-65	2.11E+02	1.79E+02	1.18	Acceptable
EZA	3rd/2016	11/28/16	E11607	Milk	pCi/L	Cobalt-60	1.44E+02	1.35E+02	1.07	Acceptable
EZA	3rd/2016	11/28/16	E11068	Water	pCi/L	Iodine-131	5.53E+01	4.90E+01	1.13	Acceptable
EZA	3rd/2016	11/28/16	E11068	Water	pCi/L	Cerium-141	9.49E+01	8.52E+01	1.11	Acceptable
EZA	3rd/2016	11/28/16	E11068	Water	pCi/L	Chromium-51	2.03E+02	2.15E+02	0.95	Acceptable
EZA	3rd/2016	11/28/16	E11068	Water	pCi/L	Cesium-134	1.20E+02	1.24E+02	0.97	Acceptable
EZA	3rd/2016	11/28/16	E11068	Water	pCi/L	Cesium-137	1.15E+02	1.08E+02	1.06	Acceptable
EZA	3rd/2016	11/28/16	E11068	Water	pCi/L	Cobalt-58	9.54E+01	8.90E+01	1.07	Acceptable
EZA	3rd/2016	11/28/16	E11068	Water	pCi/L	Manganese-54	1.47E+02	1.39E+02	1.06	Acceptable
EZA	3rd/2016	11/28/16	E11068	Water	pCi/L	Iron-59	8.73E+01	8.28E+01	1.05	Acceptable
EZA	3rd/2016	11/28/16	E11068	Water	pCi/L	Zinc-65	1.79E+02	1.63E+02	1.10	Acceptable
EZA	3rd/2016	11/28/16	E11068	Water	pCi/L	Cobalt-60	1.26E+02	1.23E+02	1.02	Acceptable
MAPEP	4th/2016	12/02/16	MAPEP-16-MaS35	Soil	Bq/Kg	Americium-241	-0.563	0	False Pos Test	Acceptable
MAPEP	4th/2016	12/02/16	MAPEP-16-MaS35	Soil	Bq/Kg	Cesium-134	3.74	0	False Pos Test	Acceptable
MAPEP	4th/2016	12/02/16	MAPEP-16-MaS35	Soil	Bq/Kg	Cesium-137	1180	1067	747-1387	Acceptable
MAPEP	4th/2016	12/02/16	MAPEP-16-MaS35	Soil	Bq/Kg	Cobalt-57	1220	1190	833-1547	Acceptable
MAPEP	4th/2016	12/02/16	MAPEP-16-MaS35	Soil	Bq/Kg	Cobalt-60	889	851	596-1106	Acceptable
MAPEP	4th/2016	12/02/16	MAPEP-16-MaS35	Soil	Bq/Kg	Iron-55	-337	0	False Pos Test	Acceptable
MAPEP	4th/2016	12/02/16	MAPEP-16-MaS35	Soil	Bq/Kg	Manganese-54	2.50	0	False Pos Test	Acceptable
MAPEP	4th/2016	12/02/16	MAPEP-16-MaS35	Soil	Bq/Kg	Nickel-63	1090	990	693-1287	Acceptable
MAPEP	4th/2016	12/02/16	MAPEP-16-MaS35	Soil	Bq/Kg	Plutonium-238	69.0	70.4	49.3-91.5	Acceptable
MAPEP	4th/2016	12/02/16	MAPEP-16-MaS35	Soil	Bq/Kg	Plutonium-239/240	46.8	53.8	37.7-69.9	Acceptable
MAPEP	4th/2016	12/02/16	MAPEP-16-MaS35	Soil	Bq/Kg	Potassium-40	619	588	412-764	Acceptable
MAPEP	4th/2016	12/02/16	MAPEP-16-MaS35	Soil	Bq/Kg	Strontium-90	770	894	626-1162	Acceptable
MAPEP	4th/2016	12/02/16	MAPEP-16-MaS35	Soil	Bq/Kg	Technetium-99	548	556	389-723	Acceptable
MAPEP	4th/2016	12/02/16	MAPEP-16-MaS35	Soil	Bq/Kg	U-234/233	122	122	85-159	Acceptable
MAPEP	4th/2016	12/02/16	MAPEP-16-MaS35	Soil	Bq/Kg	Uranium-238	122	121	85-157	Acceptable
MAPEP	4th/2016	12/02/16	MAPEP-16-MaS35	Soil	Bq/Kg	Zinc-65	775.0	695	487-904	Acceptable
MAPEP	4th/2016	12/02/16	MAPEP-16-MaW35	Water	Bq/L	Americium-241	0.725	0.814	0.570-1.058	Acceptable
MAPEP	4th/2016	12/02/16	MAPEP-16-MaW35	Water	Bq/L	Cesium-134	22.20	23.9	16.7-31.1	Acceptable
MAPEP	4th/2016	12/02/16	MAPEP-16-MaW35	Water	Bq/L	Cesium-137	-0.089	0	False Pos Test	Acceptable

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MAPEP	4th/2016	12/02/16	MAPEP-16-MaW35	Water	Bq/L	Cobalt-57	27.6	27.3	19.1-35.5	Acceptable
MAPEP	4th/2016	12/02/16	MAPEP-16-MaW35	Water	Bq/L	Cobalt-60	-0.001	0.0	False Pos Test	Acceptable
MAPEP	4th/2016	12/02/16	MAPEP-16-MaW35	Water	Bq/L	Hydrogen-3	337	334	151-281	Acceptable
MAPEP	4th/2016	12/02/16	MAPEP-16-MaW35	Water	Bq/L	Iron-55	22.3	21.5	15.1-28.0	Acceptable
MAPEP	4th/2016	12/02/16	MAPEP-16-MaW35	Water	Bq/L	Manganese-54	14.7	14.8	10.4-19.2	Acceptable
MAPEP	4th/2016	12/02/16	MAPEP-16-MaW35	Water	Bq/L	Nickel-63	17.0	17.2	12.0-22.4	Acceptable
MAPEP	4th/2016	12/02/16	MAPEP-16-MaW35	Water	Bq/L	Plutonium-238	1.09	1.13	0.79-1.47	Acceptable
MAPEP	4th/2016	12/02/16	MAPEP-16-MaW35	Water	Bq/L	Plutonium-239/240	0.024	0.013	Sens. Eval.	Acceptable
MAPEP	4th/2016	12/02/16	MAPEP-16-MaW35	Water	Bq/L	Potassium-40	275	252	176-328	Acceptable
MAPEP	4th/2016	12/02/16	MAPEP-16-MaW35	Water	Bq/L	Radium-226	1.02	1.33	0.93-1.73	Acceptable
MAPEP	4th/2016	12/02/16	MAPEP-16-MaW35	Water	Bq/L	Strontium-90	-0.00289	0	False Pos Test	Acceptable
MAPEP	4th/2016	12/02/16	MAPEP-16-MaW35	Water	Bq/L	Technetium-99	10.90	11.60	8.1-15.1	Acceptable
MAPEP	4th/2016	12/02/16	MAPEP-16-MaW35	Water	Bq/L	Uranium-234/233	1.85	1.86	1.30-2.42	Acceptable
MAPEP	4th/2016	12/02/16	MAPEP-16-MaW35	Water	Bq/L	Uranium-238	1.890	1.920	1.34-2.50	Acceptable
MAPEP	4th/2016	12/02/16	MAPEP-16-MaW35	Water	Bq/L	Zinc-65	17.5	17.4	12.2-22.6	Acceptable
MAPEP	4th/2016	12/02/16	MAPEP-16-XaW35	Alk. Water	Bq/L	Iodine-129	0.425	0.429	0.129-0.729	Acceptable
MAPEP	4th/2016	12/02/16	MAPEP-16-RdF35	Filter	ug/sample	Uranium-235	0.0915	0.0903	0.0632-0.1174	Acceptable
MAPEP	4th/2016	12/02/16	MAPEP-16-RdF35	Filter	ug/sample	Uranium-238	13.0	12.5	8.8-16.3	Acceptable
MAPEP	4th/2016	12/02/16	MAPEP-16-RdF35	Filter	ug/sample	Uranium-Total	13.60	12.6	8.8-16.4	Acceptable
MAPEP	4th/2016	12/02/16	MAPEP-16-RdF35	Filter	ug/sample	Americium-241	-0.000067	0	False Pos Test	Acceptable
MAPEP	4th/2016	12/02/16	MAPEP-16-RdF35	Filter	Bq/sample	Cesium-134	1.7500	2.04	1.43-2.65	Acceptable
MAPEP	4th/2016	12/02/16	MAPEP-16-RdF35	Filter	Bq/sample	Cesium-137	1.89	1.78	1.25-2.31	Acceptable
MAPEP	4th/2016	12/02/16	MAPEP-16-RdF35	Filter	Bq/sample	Cobalt-57	2.48	2.48	1.74-3.22	Acceptable
MAPEP	4th/2016	12/02/16	MAPEP-16-RdF35	Filter	Bq/sample	Cobalt-60	3.30	3.26	2.28-4.24	Acceptable
MAPEP	4th/2016	12/02/16	MAPEP-16-RdF35	Filter	Bq/sample	Manganese-54	2.87	2.75	1.93-3.58	Acceptable
MAPEP	4th/2016	12/02/16	MAPEP-16-RdF35	Filter	Bq/sample	Plutonium-238	0.0694	0.0693	0.0485-0.0901	Acceptable
MAPEP	4th/2016	12/02/16	MAPEP-16-RdF35	Filter	Bq/sample	Plutonium-239/240	0.0508	0.0535	0.0375-0.0696	Acceptable
MAPEP	4th/2016	12/02/16	MAPEP-16-RdF35	Filter	Bq/sample	Strontium-90	0.726	1.03	0.72-1.34	Acceptable
MAPEP	4th/2016	12/02/16	MAPEP-16-RdF35	Filter	Bq/sample	Uranium-234/233	0.150	0.150	0.105-0.195	Acceptable
MAPEP	4th/2016	12/02/16	MAPEP-16-RdF35	Filter	Bq/sample	Uranium-238	0.152	0.156	0.109-0.203	Acceptable
MAPEP	4th/2016	12/02/16	MAPEP-16-RdF35	Filter	Bq/sample	Zinc-65	0.0232	0	False Pos Test	Acceptable
MAPEP	4th/2016	12/02/16	MAPEP-16-RdV35	Vegetation	Bq/sample	Americium-241	0.052	0.062	0.076-0.140	Acceptable
MAPEP	4th/2016	12/02/16	MAPEP-16-RdV35	Vegetation	Bq/sample	Cesium-134	0.0307		False Pos Test	Acceptable

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MAPEP	4th/2016	12/02/16	MAPEP-16-RdV35	Vegetation	Bq/sample	Cesium-137	5.8100	5.51	3.88-7.20	Acceptable
MAPEP	4th/2016	12/02/16	MAPEP-16-RdV35	Vegetation	Bq/sample	Cobalt-57	6.920	6.81	4.77-8.85	Acceptable
MAPEP	4th/2016	12/02/16	MAPEP-16-RdV35	Vegetation	Bq/sample	Cobalt-60	4.950	4.86	3.40-6.32	Acceptable
MAPEP	4th/2016	12/02/16	MAPEP-16-RdV35	Vegetation	Bq/sample	Manganese-54	7.800	7.27	5.09-9.45	Acceptable
MAPEP	4th/2016	12/02/16	MAPEP-16-RdV35	Vegetation	Bq/sample	Plutonium-238	0.078300	0.0820	0.57-0.107	Acceptable
MAPEP	4th/2016	12/02/16	MAPEP-16-RdV35	Vegetation	Bq/sample	Plutonium-239/240	0.00151		False Pos Test	Acceptable
MAPEP	4th/2016	12/02/16	MAPEP-16-RdV35	Vegetation	Bq/sample	Strontium-90	0.575	0.80	0.56-1.04	Acceptable
MAPEP	4th/2016	12/02/16	MAPEP-16-RdV35	Vegetation	Bq/sample	Uranium-234/233	0.114	0.117	0.082-0.152	Acceptable
MAPEP	4th/2016	12/02/16	MAPEP-16-RdV35	Vegetation	Bq/sample	Uranium-238	0.125	0.122	0.085-0.159	Acceptable
MAPEP	4th/2016	12/02/16	MAPEP-16-RdV35	Vegetation	Bq/sample	Zinc-65	5.870	5.40	3.78-7.02	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Soil	pCi/kg	Actinium-228	1140	1170	750 - 1620	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Soil	pCi/kg	Americium-241	1040	878	514 - 1140	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Soil	pCi/kg	Bismuth-212	1500	1280	341 - 1880	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Soil	pCi/kg	Bismuth-214	1350	1230	741 - 1770	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Soil	pCi/kg	Cesium-134	5450	5470	3580 - 6570	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Soil	pCi/kg	Cesium-137	7230	6700	5130 - 8620	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Soil	pCi/kg	Cobalt-60	8490	8020	5420 - 11000	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Soil	pCi/kg	Lead-212	1230	1200	786 - 1670	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Soil	pCi/kg	Lead-214	1460	1280	747 - 1910	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Soil	pCi/kg	Manganese-54	<51.2	<1000	<1000	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Soil	pCi/kg	Plutonium-238	587	647	389 - 893	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Soil	pCi/kg	Plutonium-239	561	525	343 - 725	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Soil	pCi/kg	Potassium-40	11000	10600	7740 - 14200	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Soil	pCi/kg	Strontium-90	3740	4540	1730 - 7170	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Soil	pCi/kg	Thorium-234	2120	1750	553 - 3290	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Soil	pCi/kg	Uranium-234	1650	1760	1080 - 2260	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Soil	pCi/kg	Uranium-234	1230	1760	1080 - 2260	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Soil	pCi/kg	Uranium-234	2220	1760	1080 - 2260	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Soil	pCi/kg	Uranium-238	1630	1750	1080 - 2220	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Soil	pCi/kg	Uranium-238	1290	1750	1080 - 2220	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Soil	pCi/kg	Uranium-238	1550	1750	1080 - 2220	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Soil	pCi/kg	Uranium-Total	3910	3590	1950 - 4740	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Soil	pCi/kg	Uranium-Total	3310	3590	1950 - 4740	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Soil	pCi/kg	Uranium-Total	2520	3590	1950 - 4740	Acceptable

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ERA	4th/2016	11/23/16	MRAD-25	Soil	pCi/kg	Uranium-Total	3930	3590	1950 - 4740	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Soil	µg/kg	Uranium-Total (mass)	4890	5240	2890 - 6590	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Soil	µg/kg	Uranium-Total (mass)	5840	5240	2890 - 6590	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Soil	µg/kg	Uranium-Total (mass)	3780	5240	2890 - 6590	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Soil	µg/kg	Uranium-Total (mass)	4670	5240	2890 - 6590	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Soil	pCi/kg	Zinc-65	3310	2920	2330 - 3880	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Vegetation	pCi/kg	Americium-241	1590	1530	935 - 2030	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Vegetation	pCi/kg	Cesium-134	1640	1690	1090 - 2200	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Vegetation	pCi/kg	Cesium-137	1170	1030	747 - 1430	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Vegetation	pCi/kg	Cobalt-60	1680	1560	1080 - 2180	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Vegetation	pCi/kg	Curium-244	496	530	260 - 826	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Vegetation	pCi/kg	Manganese-54	<29.6	<300	<300	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Vegetation	pCi/kg	Plutonium-238	1440	1330	793 - 1820	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Vegetation	pCi/kg	Plutonium-239	1230	1100	675 - 1510	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Vegetation	pCi/kg	Potassium-40	31400	30900	22300 - 43400	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Vegetation	pCi/kg	Strontium-90	4290	4670	2660 - 6190	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Vegetation	pCi/kg	Uranium-234	3730	3110	2040 - 3990	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Vegetation	pCi/kg	Uranium-234	3430	3110	2040 - 3990	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Vegetation	pCi/kg	Uranium-238	3490	3090	2060 - 3930	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Vegetation	pCi/kg	Uranium-238	3370	3090	2060 - 3930	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Vegetation	pCi/kg	Uranium-Total	7248	6340	4300 - 7890	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Vegetation	pCi/kg	Uranium-Total	6680	6340	4300 - 7890	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Vegetation	pCi/kg	Uranium-Total	7190	6340	4300 - 7890	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Vegetation	pCi/kg	Uranium-Total	6680	6340	4300 - 7890	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Vegetation	µg/kg	Uranium-Total (mass)	9980	9250	6200 - 11700	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Vegetation	µg/kg	Uranium-Total (mass)	10500	9250	6200 - 11700	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Vegetation	µg/kg	Uranium-Total (mass)	10100	9250	6200 - 11700	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Vegetation	pCi/kg	Zinc-65	2090	1690	1220 - 2370	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Filter	pCi/Filter	Americium-241	44	42.3	26.1 - 57.2	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Filter	pCi/Filter	Cesium-134	614	614	391 - 762	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Filter	pCi/Filter	Cesium-137	1280	1170	879 - 1540	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Filter	pCi/Filter	Cobalt-60	950	900	696 - 1120	Acceptable

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ERA	4th/2016	11/23/16	MRAD-25	Filter	pCi/Filter	Iron-55	232	248	76.9 - 485	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Filter	pCi/Filter	Manganese-54	<4.55	<50.0	<50.0	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Filter	pCi/Filter	Plutonium-238	54.5	61.9	42.4 - 81.4	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Filter	pCi/Filter	Plutonium-239	54.8	59.7	43.2 - 78.0	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Filter	pCi/Filter	Strontium-90	97.4	101	49.4 - 151	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Filter	pCi/Filter	Uranium-234	30.3	29.2	18.1 - 44.0	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Filter	pCi/Filter	Uranium-234	30.9	29.2	18.1 - 44.0	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Filter	pCi/Filter	Uranium-238	27.9	28.9	18.7 - 40.0	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Filter	pCi/Filter	Uranium-238	29.4	28.9	18.7 - 40.0	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Filter	pCi/Filter	Uranium-Total	54.1	59.5	32.9 - 90.5	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Filter	pCi/Filter	Uranium-Total	61.5	59.5	32.9 - 90.5	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Filter	pCi/Filter	Uranium-Total	60	59.5	32.9 - 90.5	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Filter	µg/Filter	Uranium-Total (mass)	83.7	86.7	55.5 - 122	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Filter	µg/Filter	Uranium-Total (mass)	80.7	86.7	55.5 - 122	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Filter	µg/Filter	Uranium-Total (mass)	88.3	86.7	55.5 - 122	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Filter	pCi/Filter	Zinc-65	1330	1150	824 - 1590	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Filter	pCi/Filter	Gross Alpha	79.6	71.2	23.9 - 111	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Filter	pCi/Filter	Gross Beta	71.7	60.3	38.1 - 87.9	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Water	pCi/L	Americium-241	58.6	56.2	37.9 - 75.4	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Water	pCi/L	Cesium-134	1190	1260	925 - 1450	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Water	pCi/L	Cesium-137	1030	987	838 - 1180	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Water	pCi/L	Cobalt-60	1990	1960	1700 - 2290	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Water	pCi/L	Iron-55	228	245	146 - 332	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Water	pCi/L	Manganese-54	<5.09	<100	<100	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Water	pCi/L	Plutonium-238	85.6	112	82.9 - 139	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Water	pCi/L	Plutonium-239	125	157	122 - 198	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Water	pCi/L	Strontium-90	658	751	489 - 993	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Water	pCi/L	Uranium-234	106	105	78.9 - 135	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Water	pCi/L	Uranium-234	108	105	78.9 - 135	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Water	pCi/L	Uranium-234	103	105	78.9 - 135	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Water	pCi/L	Uranium-238	98.4	104	79.3 - 128	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Water	pCi/L	Uranium-Total	209	213	157 - 275	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Water	pCi/L	Uranium-Total	225	213	157 - 275	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Water	pCi/L	Uranium-Total	214	213	157 - 275	Acceptable

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ERA	4th/2016	11/23/16	MRAD-25	Water	pCi/L	Uranium-Total	211	213	157 - 275	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Water	µg/L	Uranium-Total (mass)	295	311	248 - 376	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Water	µg/L	Uranium-Total (mass)	317	311	248 - 376	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Water	µg/L	Uranium-Total (mass)	336	311	248 - 376	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Water	µg/L	Uranium-Total (mass)	312	311	248 - 376	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Water	pCi/L	Zinc-65	807	724	604 - 913	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Water	pCi/L	Gross Alpha	207	165	58.6 - 256	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Water	pCi/L	Gross Beta	119	130	74.4 - 193	Acceptable
ERA	4th/2016	11/23/16	MRAD-25	Water	pCi/L	Tritium	9210	10100	6770 - 14400	Acceptable
EZA	4th/2016	02/21/17	E11674	Cartridge	pCi	Iodine-131	9.60E+01	9.67E+01	0.99	Acceptable
EZA	4th/2016	02/21/17	E11675	Milk	pCi/L	Strontium-89	7.86E+01	7.42E+01	1.06	Acceptable
EZA	4th/2016	02/21/17	E11675	Milk	pCi/L	Strontium-90	7.50E+00	1.00E+01	0.75	Acceptable
EZA	4th/2016	02/21/17	E11676	Milk	pCi/L	Iodine-131	1.08E+02	9.74E+01	1.11	Acceptable
EZA	4th/2016	02/21/17	E11676	Milk	pCi/L	Cerium-141	1.55E+02	1.43E+02	1.09	Acceptable
EZA	4th/2016	02/21/17	E11676	Milk	pCi/L	Chromium-51	3.29E+02	2.80E+02	1.18	Acceptable
EZA	4th/2016	02/21/17	E11676	Milk	pCi/L	Cesium-134	1.67E+02	1.78E+02	0.94	Acceptable
EZA	4th/2016	02/21/17	E11676	Milk	pCi/L	Cesium-137	1.43E+02	1.26E+02	1.13	Acceptable
EZA	4th/2016	02/21/17	E11676	Milk	pCi/L	Cobalt-58	1.54E+02	1.46E+02	1.05	Acceptable
EZA	4th/2016	02/21/17	E11676	Milk	pCi/L	Manganese-54	1.46E+02	1.29E+02	1.13	Acceptable
EZA	4th/2016	02/21/17	E11676	Milk	pCi/L	Iron-59	1.45E+02	1.25E+02	1.16	Acceptable
EZA	4th/2016	02/21/17	E11676	Milk	pCi/L	Zinc-65	2.68E+02	2.44E+02	1.10	Acceptable
EZA	4th/2016	02/21/17	E11676	Milk	pCi/L	Cobalt-60	1.87E+02	1.78E+02	1.05	Acceptable
EZA	4th/2016	02/21/17	E11677	Water	pCi/L	Iodine-131	1.06E+02	9.18E+01	1.15	Acceptable
EZA	4th/2016	02/21/17	E11677	Water	pCi/L	Cerium-141	1.47E+02	1.38E+02	1.06	Acceptable
EZA	4th/2016	02/21/17	E11677	Water	pCi/L	Chromium-51	3.03E+02	2.71E+02	1.12	Acceptable
EZA	4th/2016	02/21/17	E11677	Water	pCi/L	Cesium-134	1.59E+02	1.73E+02	0.92	Acceptable
EZA	4th/2016	02/21/17	E11677	Water	pCi/L	Cesium-137	1.38E+02	1.22E+02	1.13	Acceptable
EZA	4th/2016	02/21/17	E11677	Water	pCi/L	Cobalt-58	1.49E+02	1.42E+02	1.05	Acceptable
EZA	4th/2016	02/21/17	E11677	Water	pCi/L	Manganese-54	1.35E+02	1.25E+02	1.08	Acceptable
EZA	4th/2016	02/21/17	E11677	Water	pCi/L	Iron-59	1.35E+02	1.21E+02	1.12	Acceptable
EZA	4th/2016	02/21/17	E11677	Water	pCi/L	Zinc-65	2.61E+02	2.36E+02	1.10	Acceptable
EZA	4th/2016	02/21/17	E11677	Water	pCi/L	Cobalt-60	1.76E+02	1.72E+02	1.02	Acceptable

Table 6.1-2
2016 ECKERT & ZIEGLER ANALYTICS PERFORMANCE EVALUATION RESULTS

Report Date	Sample Number	Sample Media	Unit	Analyte / Nuclide	GEL Value	Known value	Acceptance Range/ Ratio	Evaluation
2/18/2016	E11412	Cartridge	pCi	Iodine-131	7.73E+01	7.98E+01	0.97	Acceptable
2/18/2016	E11413	Milk	pCi/L	Strontium-89	9.41E+01	8.68E+01	1.08	Acceptable
2/18/2016	E11413	Milk	pCi/L	Strontium-90	9.74E+00	1.25E+01	0.78	Acceptable
2/18/2016	E11414	Milk	pCi/L	Iodine-131	1.01E+02	9.12E+01	1.11	Acceptable
2/18/2016	E11414	Milk	pCi/L	Cerium-141	1.36E+02	1.29E+02	1.06	Acceptable
2/18/2016	E11414	Milk	pCi/L	Chromium-51	2.79E+02	2.81E+02	0.99	Acceptable
2/18/2016	E11414	Milk	pCi/L	Cesium-134	1.45E+02	1.60E+02	0.91	Acceptable
2/18/2016	E11414	Milk	pCi/L	Cesium-137	1.15E+02	1.15E+02	1.00	Acceptable
2/18/2016	E11414	Milk	pCi/L	Cobalt-58	1.06E+02	1.10E+02	0.96	Acceptable
2/18/2016	E11414	Milk	pCi/L	Manganese-54	1.53E+02	1.45E+02	1.06	Acceptable
2/18/2016	E11414	Milk	pCi/L	Iron-59	1.19E+02	1.08E+02	1.10	Acceptable
2/18/2016	E11414	Milk	pCi/L	Zinc-65	2.69E+02	2.48E+02	1.08	Acceptable
2/18/2016	E11414	Milk	pCi/L	Cobalt-60	2.12E+02	2.13E+02	0.99	Acceptable
2/18/2016	E11415	Water	pCi/L	Iodine-131	1.05E+02	9.26E+01	1.13	Acceptable
2/18/2016	E11415	Water	pCi/L	Cerium-141	1.27E+02	1.12E+02	1.14	Acceptable
2/18/2016	E11415	Water	pCi/L	Chromium-51	2.60E+02	2.44E+02	1.07	Acceptable
2/18/2016	E11415	Water	pCi/L	Cesium-134	1.25E+02	1.39E+02	0.90	Acceptable
2/18/2016	E11415	Water	pCi/L	Cesium-137	1.12E+02	9.95E+01	1.13	Acceptable
2/18/2016	E11415	Water	pCi/L	Cobalt-58	9.73E+01	9.56E+01	1.02	Acceptable
2/18/2016	E11415	Water	pCi/L	Manganese-54	1.41E+02	1.26E+02	1.12	Acceptable
2/18/2016	E11415	Water	pCi/L	Iron-59	1.11E+02	9.34E+01	1.19	Acceptable
2/18/2016	E11415	Water	pCi/L	Zinc-65	2.43E+02	2.15E+02	1.13	Acceptable
2/18/2016	E11415	Water	pCi/L	Cobalt-60	1.92E+02	1.85E+02	1.04	Acceptable
05/16/15	E11445	Cartridge	pCi	Iodine-131	9.39E+01	8.86E+01	1.06	Acceptable
05/16/15	E11446	Milk	pCi/L	Strontium-89	8.16E+01	8.67E+01	0.94	Acceptable
05/16/15	E11446	Milk	pCi/L	Strontium-90	1.08E+01	1.14E+01	0.95	Acceptable
05/16/15	E11447	Milk	pCi/L	Iodine-131	9.41E+01	8.22E+01	1.15	Acceptable
05/16/15	E11447	Milk	pCi/L	Cerium-141	1.05E+02	9.84E+01	1.07	Acceptable
05/16/15	E11447	Milk	pCi/L	Chromium-51	2.69E+02	2.43E+02	1.11	Acceptable
05/16/15	E11447	Milk	pCi/L	Cesium-134	1.13E+02	1.30E+02	0.87	Acceptable
05/16/15	E11447	Milk	pCi/L	Cesium-137	1.64E+02	1.61E+02	1.02	Acceptable
05/16/15	E11447	Milk	pCi/L	Cobalt-58	1.16E+02	1.17E+02	0.99	Acceptable

Report Date	Sample Number	Sample Media	Unit	Analyte / Nuclide	GEL Value	Known value	Acceptance Range/ Ratio	Evaluation
05/16/15	E11447	Milk	pCi/L	Manganese-54	1.24E+02	1.17E+02	1.06	Acceptable
05/16/15	E11447	Milk	pCi/L	Iron-59	1.47E+02	1.31E+02	1.12	Acceptable
05/16/15	E11447	Milk	pCi/L	Zinc-65	1.98E+02	1.79E+02	1.11	Acceptable
05/16/15	E11447	Milk	pCi/L	Cobalt-60	2.59E+02	2.44E+02	1.06	Acceptable
05/16/15	E11448	Water	pCi/L	Iodine-131	9.92E+01	9.67E+01	1.03	Acceptable
05/16/15	E11448	Water	pCi/L	Cerium-141	1.40E+02	1.39E+02	1.01	Acceptable
05/16/15	E11448	Water	pCi/L	Chromium-51	3.95E+02	3.66E+02	1.08	Acceptable
05/16/15	E11448	Water	pCi/L	Cesium-134	1.12E+02	1.26E+02	0.89	Acceptable
05/16/15	E11448	Water	pCi/L	Cesium-137	1.69E+02	1.67E+02	1.01	Acceptable
05/16/15	E11448	Water	pCi/L	Cobalt-58	1.78E+02	1.80E+02	0.99	Acceptable
05/16/15	E11448	Water	pCi/L	Manganese-54	1.66E+02	1.59E+02	1.05	Acceptable
05/16/15	E11448	Water	pCi/L	Iron-59	2.14E+02	1.95E+02	1.01	Acceptable
05/16/15	E11448	Water	pCi/L	Zinc-65	3.25E+02	2.99E+02	1.09	Acceptable
05/16/15	E11448	Water	pCi/L	Cobalt-60	3.23E+02	3.28E+02	0.98	Acceptable
05/16/15	E11449	Water	pCi/L	Niobium-95	4.01E+03	3.62E+03	1.11	Acceptable
05/16/15	E11449	Water	pCi/L	Zirconium-95	9.79E+03	9.48E+03	1.03	Acceptable
05/16/15	E11449	Water	pCi/L	Tc-99M	1.34E+03	1.32E+03	1.02	Acceptable
05/16/15	E11449	Water	pCi/L	Ruthenium-103	6.33E+03	6.23E+03	1.02	Acceptable
05/16/15	E11449	Water	pCi/L	Iodine-131	4.64E+03	4.83E+03	0.96	Acceptable
05/16/15	E11449	Water	pCi/L	Iodine-132	1.39E+03	1.62E+03	0.86	Acceptable
05/16/15	E11449	Water	pCi/L	Tellurium-132	1.81E+03	1.50E+03	1.21	Acceptable
05/16/15	E11449	Water	pCi/L	Cesium-137	7.79E+01	7.31E+01	1.07	Acceptable
05/16/15	E11449	Water	pCi/L	Barium-140	1.89E+04	1.85E+04	1.02	Acceptable
05/16/15	E11449	Water	pCi/L	Lanthanum-140	2.11E+04	2.06E+04	1.03	Acceptable
05/16/15	E11449	Water	pCi/L	Cerium-141	1.43E+04	1.39E+04	1.03	Acceptable
05/16/15	E11449	Water	pCi/L	Cerium-144	2.20E+03	2.08E+03	1.06	Acceptable
05/16/15	E11449	Water	pCi/L	Neodymium-147	6.40E+03	6.19E+03	1.03	Acceptable
07/27/16	E11573	Cartridge	pCi	Iodine-131	9.52E+01	8.94E+01	1.07	Acceptable
07/27/16	E11574	Milk	pCi/L	Strontium-89	8.51E+01	9.44E+01	0.90	Acceptable
07/27/16	E11574	Milk	pCi/L	Strontium-90	9.49E+01	1.54E+01	0.62	Acceptable
07/27/16	E11575	Milk	pCi/L	Iodine-131	9.77E+01	9.45E+01	1.03	Acceptable
07/27/16	E11575	Milk	pCi/L	Cerium-141	1.46E+02	1.39E+02	1.05	Acceptable
07/27/16	E11575	Milk	pCi/L	Chromium-51	2.53E+02	2.76E+02	0.92	Acceptable
07/27/16	E11575	Milk	pCi/L	Cesium-134	1.62E+02	1.74E+02	0.93	Acceptable
07/27/16	E11575	Milk	pCi/L	Cesium-137	1.20E+02	1.20E+02	1.00	Acceptable

Report Date	Sample Number	Sample Media	Unit	Analyte / Nuclide	GEL Value	Known value	Acceptance Range/ Ratio	Evaluation
07/27/16	E11575	Milk	pCi/L	Cobalt-58	1.39E+02	1.42E+02	0.98	Acceptable
07/27/16	E11575	Milk	pCi/L	Manganese-54	1.26E+02	1.25E+02	1.00	Acceptable
07/27/16	E11575	Milk	pCi/L	Iron-59	1.25E+02	1.22E+02	1.03	Acceptable
07/27/16	E11575	Milk	pCi/L	Zinc-65	2.47E+02	2.35E+02	1.05	Acceptable
07/27/16	E11575	Milk	pCi/L	Cobalt-60	1.72E+02	1.73E+02	1.00	Acceptable
07/27/16	E11576	Water	pCi/L	Iodine-131	1.02E+02	9.67E+01	1.05	Acceptable
07/27/16	E11576	Water	pCi/L	Cerium-141	1.56E+02	1.47E+02	1.06	Acceptable
07/27/16	E11576	Water	pCi/L	Chromium-51	3.33E+02	2.92E+02	1.14	Acceptable
07/27/16	E11576	Water	pCi/L	Cesium-134	1.65E+02	1.85E+02	0.89	Acceptable
07/27/16	E11576	Water	pCi/L	Cesium-137	1.34E+02	1.28E+02	1.05	Acceptable
07/27/16	E11576	Water	pCi/L	Cobalt-58	1.47E+02	1.51E+02	0.98	Acceptable
07/27/16	E11576	Water	pCi/L	Manganese-54	1.45E+02	1.33E+02	1.09	Acceptable
07/27/16	E11576	Water	pCi/L	Iron-59	1.54E+02	1.29E+02	1.19	Acceptable
07/27/16	E11576	Water	pCi/L	Zinc-65	2.72E+02	2.49E+02	1.09	Acceptable
07/27/16	E11576	Water	pCi/L	Cobalt-60	1.99E+02	1.83E+02	1.09	Acceptable
11/28/16	E11605	Cartridge	pCi	Iodine-131	6.33E+01	6.01E+01	1.05	Acceptable
11/28/16	E11606	Milk	pCi/L	Strontium-89	7.60E+01	9.09E+01	0.84	Acceptable
11/28/16	E11606	Milk	pCi/L	Strontium-90	1.17E+01	1.37E+01	0.85	Acceptable
11/28/16	E11607	Milk	pCi/L	Iodine-131	7.53E+01	7.19E+01	1.05	Acceptable
11/28/16	E11607	Milk	pCi/L	Cerium-141	9.85E+01	9.32E+01	1.06	Acceptable
11/28/16	E11607	Milk	pCi/L	Chromium-51	2.63E+02	2.36E+02	1.12	Acceptable
11/28/16	E11607	Milk	pCi/L	Cesium-134	1.21E+02	1.36E+02	0.89	Acceptable
11/28/16	E11607	Milk	pCi/L	Cesium-137	1.19E+02	1.19E+02	1.00	Acceptable
11/28/16	E11607	Milk	pCi/L	Cobalt-58	9.56E+01	9.74E+01	0.98	Acceptable
11/28/16	E11607	Milk	pCi/L	Manganese-54	1.61E+02	1.52E+02	1.06	Acceptable
11/28/16	E11607	Milk	pCi/L	Iron-59	9.00E+01	9.06E+01	0.99	Acceptable
11/28/16	E11607	Milk	pCi/L	Zinc-65	2.11E+02	1.79E+02	1.18	Acceptable
11/28/16	E11607	Milk	pCi/L	Cobalt-60	1.44E+02	1.35E+02	1.07	Acceptable
11/28/16	E11068	Water	pCi/L	Iodine-131	5.53E+01	4.90E+01	1.13	Acceptable
11/28/16	E11068	Water	pCi/L	Cerium-141	9.49E+01	8.52E+01	1.11	Acceptable
11/28/16	E11068	Water	pCi/L	Chromium-51	2.03E+02	2.15E+02	0.95	Acceptable
11/28/16	E11068	Water	pCi/L	Cesium-134	1.20E+02	1.24E+02	0.97	Acceptable
11/28/16	E11068	Water	pCi/L	Cesium-137	1.15E+02	1.08E+02	1.06	Acceptable
11/28/16	E11068	Water	pCi/L	Cobalt-58	9.54E+01	8.90E+01	1.07	Acceptable
11/28/16	E11068	Water	pCi/L	Manganese-54	1.47E+02	1.39E+02	1.06	Acceptable

Report Date	Sample Number	Sample Media	Unit	Analyte / Nuclide	GEL Value	Known value	Acceptance Range/ Ratio	Evaluation
11/28/16	E11068	Water	pCi/L	Iron-59	8.73E+01	8.28E+01	1.05	Acceptable
11/28/16	E11068	Water	pCi/L	Zinc-65	1.79E+02	1.63E+02	1.10	Acceptable
11/28/16	E11068	Water	pCi/L	Cobalt-60	1.26E+02	1.23E+02	1.02	Acceptable
02/21/17	E11674	Cartridge	pCi	Iodine-131	9.60E+01	9.67E+01	0.99	Acceptable
02/21/17	E11675	Milk	pCi/L	Strontium-89	7.86E+01	7.42E+01	1.06	Acceptable
02/21/17	E11675	Milk	pCi/L	Strontium-90	7.50E+00	1.00E+01	0.75	Acceptable
02/21/17	E11676	Milk	pCi/L	Iodine-131	1.08E+02	9.74E+01	1.11	Acceptable
02/21/17	E11676	Milk	pCi/L	Cerium-141	1.55E+02	1.43E+02	1.09	Acceptable
02/21/17	E11676	Milk	pCi/L	Chromium-51	3.29E+02	2.80E+02	1.18	Acceptable
02/21/17	E11676	Milk	pCi/L	Cesium-134	1.67E+02	1.78E+02	0.94	Acceptable
02/21/17	E11676	Milk	pCi/L	Cesium-137	1.43E+02	1.26E+02	1.13	Acceptable
02/21/17	E11676	Milk	pCi/L	Cobalt-58	1.54E+02	1.46E+02	1.05	Acceptable
02/21/17	E11676	Milk	pCi/L	Manganese-54	1.46E+02	1.29E+02	1.13	Acceptable
02/21/17	E11676	Milk	pCi/L	Iron-59	1.45E+02	1.25E+02	1.16	Acceptable
02/21/17	E11676	Milk	pCi/L	Zinc-65	2.68E+02	2.44E+02	1.10	Acceptable
02/21/17	E11676	Milk	pCi/L	Cobalt-60	1.87E+02	1.78E+02	1.05	Acceptable
02/21/17	E11677	Water	pCi/L	Iodine-131	1.06E+02	9.18E+01	1.15	Acceptable
02/21/17	E11677	Water	pCi/L	Cerium-141	1.47E+02	1.38E+02	1.06	Acceptable
02/21/17	E11677	Water	pCi/L	Chromium-51	3.03E+02	2.71E+02	1.12	Acceptable
02/21/17	E11677	Water	pCi/L	Cesium-134	1.59E+02	1.73E+02	0.92	Acceptable
02/21/17	E11677	Water	pCi/L	Cesium-137	1.38E+02	1.22E+02	1.13	Acceptable
02/21/17	E11677	Water	pCi/L	Cobalt-58	1.49E+02	1.42E+02	1.05	Acceptable
02/21/17	E11677	Water	pCi/L	Manganese-54	1.35E+02	1.25E+02	1.08	Acceptable
02/21/17	E11677	Water	pCi/L	Iron-59	1.35E+02	1.21E+02	1.12	Acceptable
02/21/17	E11677	Water	pCi/L	Zinc-65	2.61E+02	2.36E+02	1.10	Acceptable
02/21/17	E11677	Water	pCi/L	Cobalt-60	1.76E+02	1.72E+02	1.02	Acceptable

Table 6.1-3
REMP INTRA-LABORATORY DATA SUMMARY: BIAS AND PRECISION BY MATRIX

REMP 2016	Bias Criteria (+ / - 25%)		Precision Criteria (Note 1)	
	WITHIN CRITERIA	OUTSIDE CRITERIA	WITHIN CRITERIA	OUTSIDE CRITERIA
MILK				
Gamma Iodine-131	19	0	108	0
Gas Flow Sr 2nd count	38	0	43	0
Gas Flow Total Strontium	24	0	24	0
Gamma Spec Liquid RAD A-013 with Ba, La	60	0	105	0
SOLID				
LSC Iron-55	3	0	3	0
Gamma Spec Solid RAD A-013	15	0	19	0
LSC Nickel 63	3	0	3	0
Gas Flow Sr 2nd count	4	0	4	0
Gas Flow Total Strontium	3	0	3	0
Gamma Spec Solid RAD A-013 with Ba, La	5	0	9	0
Gamma Spec Solid RAD A-013 with Iodine	8	0	9	0
FILTER				
Gamma Spec Filter RAD A-013	3	0	3	0
Gas Flow Sr 2nd Count	5	0	5	0
Gross A & B	272	0	274	0
Gamma Spec Filter	31	0	34	0
LIQUID				
Alpha Spec Uranium	5	0	5	0
Tritium	171	0	173	0
LSC Iron-55	11	0	12	0
LSC Nickel 63	10	0	10	0
Gamma Spec Liquid RAD A-013	5	0	5	0
Gamma Iodine-131	21	0	21	0
Alpha Spec Plutonium	5	0	5	0
Gas Flow Sr 2nd count	8	0	8	0
Alpha Spec Am241 Curium	10	0	10	0
Gas Flow Total Strontium	24	0	23	0
Gross Alpha Non Vol Beta	32	0	35	0
Gamma Spec Liquid RAD A-013 with Ba, La	71	0	141	0
Gamma Spec Liquid RAD A-013 with Iodine	15	0	15	0
TISSUE				

REMP 2016	Bias Criteria (+ / - 25%) WITHIN CRITERIA	Bias Criteria (+ / - 25%) OUTSIDE CRITERIA	Precision Criteria (Note 1) WITHIN CRITERIA	Precision Criteria (Note 1) OUTSIDE CRITERIA
Gamma Spec Solid RAD A-013	29	0	29	0
Gas Flow Sr 2nd count	9	0	9	0
Gas Flow Total Strontium	7	0	7	0
Gamma Spec Solid RAD A-013 with Iodine	11	0	11	0
SEA WATER				
LSC Iron-55	7	0	5	0
LSC Nickel 63	7	0	6	0
Gas Flow Total Strontium	10	0	9	0
Gross Alpha Non Vol Beta	9	0	8	0
Gamma Spec Liquid RAD A-013 with Iodine	9	0	9	0
VEGETATION				
Gas Flow Sr 2nd count	7	0	7	0
Gamma Spec Solid RAD A-013 with Iodine	78	0	82	0
AIR CHARCOAL				
Gamma Iodine 131 RAD A-013	369	0	419	0
Carbon-14 (Ascarite/Soda Lime Filter per Liter)	28	0	28	0
DRINKING WATER				
Tritium	35	0	33	0
LSC Iron-55	11	0	12	0
LSC Nickel 63	11	0	12	0
Gamma Iodine-131	26	0	26	0
Gas Flow Sr 2nd count	12	0	12	0
Gas Flow Total Strontium	10	0	12	0
Gross Alpha Non Vol Beta	67	0	67	0
Gamma Spec Liquid RAD A-013 with Ba, La	21	0	71	0
Total	**1654**	**0**	**1983**	**0**

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

Table 6.1-4
ALL RADIOLOGICAL INTRA-LABORATORY DATA SUMMARY:
BIAS AND PRECISION BY MATRIX

Total 2016	Bias Criteria (+ / - 25%)		Precision Criteria (Note 1)	
	WITHIN CRITERIA	OUTSIDE CRITERIA	WITHIN CRITERIA	OUTSIDE CRITERIA
MILK				
Gamma Spec Liquid RAD A-013	3	0	3	0
Gamma Iodine-131	19	0	108	0
Gas Flow Sr 2nd count	38	0	43	0
Gas Flow Strontium 90	4	0	4	0
Gas Flow Total Strontium	24	0	24	0
Gamma Spec Liquid RAD A-013 with Ba, La	60	0	105	0
Gamma Spec Liquid RAD A-013 with Iodine	2	0	3	0
SOLID				
Gas Flow Radium 228	75	0	79	0
Tritium	257	0	294	0
Carbon-14	164	0	218	0
LSC Iron-55	109	0	117	0
Alpha Spec Polonium Solid	10	0	11	0
Gamma Nickel 59 RAD A-022	106	0	111	0
LSC Chlorine-36 in Solids	3	0	3	0
Gamma Spec Ra226 RAD A-013	36	0	50	0
Gamma Spec Solid RAD A-013	736	0	1056	0
LSC Nickel 63	196	0	198	0
LSC Plutonium	208	0	214	0
Technetium-99	348	0	378	0
ICP-MS Technetium-99 in Soil	7	0	5	0
LSC Selenium 79	5	0	6	0
Total Activity,	2	0	2	0
Tritium	39	0	41	0
Alpha Spec Am243	43	0	58	0
Gamma Iodine-129	114	0	146	0
Gas Flow Lead 210	9	0	10	0
Total Uranium KPA	5	0	6	0
Alpha Spec Uranium	333	0	458	0
LSC Promethium 147	3	0	3	0
LSC, Rapid Strontium 89 and 90	60	0	69	0
Alpha Spec Thorium	289	0	352	0
Gas Flow Radium 228	0	0	56	0

Total 2016	Bias Criteria (+ / - 25%)		Precision Criteria (Note 1)	
	WITHIN CRITERIA	OUTSIDE CRITERIA	WITHIN CRITERIA	OUTSIDE CRITERIA
ICP-MS Uranium-233, 234 in Solid	37	0	37	0
Alpha Spec Plutonium	379	0	382	0
ICP-MS Technetium-99 Prep in Soil	7	0	5	0
Alpha Spec Neptunium	313	0	318	0
Alpha Spec Plutonium	171	0	189	0
Alpha Spec Radium 226	32	0	29	0
Dissolution Soil Prep	1	0	1	0
Gas Flow Sr 2nd count	48	0	50	0
Gas Flow Strontium 90	241	0	244	0
Lucas Cell Radium 226	89	0	156	0
Total Activity Screen	7	0	10	0
Alpha Spec Am241 Curium	405	0	423	0
Alpha Spec Total Uranium	28	0	31	0
Gas Flow Total Strontium	42	0	45	0
Gross Alpha Non Vol Beta	0	0	1	0
ICP-MS Uranium-233, 234 Prep in Solid	39	0	39	0
ICP-MS Uranium-235, 236, 238 in Solid	41	0	37	0
Gamma Spec Solid RAD A-013 with Ba, La	5	0	9	0
Gamma Spec Solid RAD A-013 with Iodine	8	0	9	0
GFC Chlorine-36 in Solids	5	0	6	0
Gamma Spec Solid RAD A-013 (pCi/Sample)	2	0	2	0
Tritium	19	0	21	0
Alpha Spec Am241 (pCi/Sample)	1	0	1	0
ICP-MS Uranium-234, 235, 236, 238 in Solid	92	0	81	0
ICP-MS Uranium-235, 236, 238 Prep in Solid	39	0	39	0
Alpha Spec Uranium	2	0	1	0
Gross Alpha/Beta	339	0	444	0
Alpha Spec Plutonium	2	0	1	0
Gas Flow Strontium 90	2	0	1	0
Gross Alpha/Beta (Americium Calibration) Solid	5	0	5	0
ICP-MS Uranium-234, 235, 236, 238 Prep in Solid	47	0	43	0
FILTER				
Alpha Spec Uranium	11	0	23	0
Alpha Spec Polonium	0	0	4	0

Total 2016	Bias Criteria (+ / - 25%)		Precision Criteria (Note 1)	
	WITHIN CRITERIA	OUTSIDE CRITERIA	WITHIN CRITERIA	OUTSIDE CRITERIA
Gamma I-131, filter	3	0	4	0
LSC Plutonium Filter	81	0	98	0
Tritium	56	0	105	0
Carbon-14	20	0	71	0
Nickel-63	0	0	5	0
LSC Iron-55	67	0	75	0
Gamma Nickel 59 RAD A-022	57	0	64	0
LSC Nickel 63	67	0	77	0
Technetium-99	38	0	86	0
Gamma Spec Filter RAD A-013	132	0	186	0
LSC Selenium 79	3	0	14	0
Alphaspec Np Filter per Liter	7	0	11	0
Alphaspec Pu Filter per Liter	25	0	28	0
Gamma Iodine-125	4	0	0	0
Gamma Iodine-129	9	0	63	0
Alpha Spec Am243	11	0	18	0
Gas Flow Lead 210	0	0	4	0
LSC Plutonium Filter per Liter	4	0	6	0
Total Uranium KPA	9	0	16	0
Alpha Spec Uranium	51	0	95	0
LSC Promethium 147	3	0	4	0
LSC, Rapid Strontium 89 and 90	65	0	88	0
Alpha Spec Thorium	35	0	49	0
Alpha Spec Plutonium	66	0	109	0
ICP-MS Uranium-233, 234 in Filter	0	0	1	0
Alpha Spec Neptunium	69	0	73	0
Alpha Spec Plutonium	78	0	90	0
Alpha Spec Polonium,(Filter/Liter)	0	0	2	0
Alpha Spec Radium 226	4	0	6	0
Alpha/Beta (Americium Calibration)	4	0	5	0
Gas Flow Sr 2nd Count	44	0	59	0
Gas Flow Strontium 90	58	0	83	0
Alpha Spec Am241Curium	106	0	145	0
Gas Flow Total Strontium	3	0	4	0
ICP-MS Uranium-233, 234 Prep in Filter	0	0	1	0
ICP-MS Uranium-235, 236, 238 in Filter	0	0	1	0
Total Activity in Filter,	3	0	4	0

Total 2016	Bias Criteria (+ / - 25%)		Precision Criteria (Note 1)	
	WITHIN CRITERIA	OUTSIDE CRITERIA	WITHIN CRITERIA	OUTSIDE CRITERIA
Alphaspec Am241 Curium Filter per Liter	11	0	16	0
Tritium	75	0	76	0
GFC Chlorine-36 in Filters	2	0	2	0
Gamma Spec Filter RAD A-013 Direct Count	2	0	6	0
Carbon-14	6	0	6	0
GFC Chlorine-36 in Filters PL	3	0	3	0
Direct Count-Gross Alpha/Beta	73	0	0	0
Gross Alpha/Beta	60	0	68	0
ICP-MS Uranium-234, 235, 236, 238 in Filter	8	0	8	0
ICP-MS Uranium-235, 236, 238 Prep in Filter	0	0	1	0
Alpha Spec U	7	0	22	0
Gross A & B	310	0	320	0
LSC Iron-55	6	0	13	0
Technetium-99	8	0	12	0
Gas Flow Sr-90	3	0	7	0
LSC Nickel 63	9	0	14	0
Carbon-14 (Ascarite/Soda Lime Filter per Liter)	1	0	1	0
Gas Flow Pb-210	6	0	14	0
Gas Flow Ra-228	2	0	7	0
Gamma Iodine 129	3	0	4	0
ICP-MS Uranium-234, 235, 236, 238 Prep in Filter	4	0	4	0
Gamma Spec Filter	75	0	90	0
Lucas Cell Ra-226	6	0	12	0
Alpha Spec Thorium	8	0	15	0
LIQUID				
Alpha Spec Uranium	410	0	609	0
Alpha Spec Polonium	2	0	2	0
Electrolytic Tritium	17	0	30	0
Tritium	1074	0	1071	0
Carbon-14	179	0	198	0
Plutonium	86	0	105	0
Chlorine-36 in Liquids	7	0	7	0
Iodine-131	7	0	4	0
LSC Iron-55	155	0	198	0
Gamma Nickel 59 RAD A-022	26	0	30	0

Total 2016	Bias Criteria (+ / - 25%)		Precision Criteria (Note 1)	
	WITHIN CRITERIA	OUTSIDE CRITERIA	WITHIN CRITERIA	OUTSIDE CRITERIA
Gamma Iodine 131 RAD A-013	4	0	4	0
Gamma Radium 228 RAD A-013	5	0	5	0
LSC Nickel 63	212	0	247	0
LSC Radon 222	19	0	20	0
Technetium-99	472	0	497	0
Gamma Spec Liquid RAD A-013	697	0	747	0
Alpha Spec Total U RAD A-011	21	0	35	0
LSC Selenium 79	30	0	28	0
Total Activity,	2	0	2	0
Alpha Spec Am243	14	0	23	0
Gamma Iodine-129	102	0	132	0
Gamma Iodine-131	21	0	21	0
ICP-MS Technetium-99 in Water	19	0	17	0
Gas Flow Lead 210	27	0	27	0
Total Uranium KPA	58	0	119	0
LSC Promethium 147	19	0	22	0
LSC, Rapid Strontium 89 and 90	9	0	10	0
Alpha Spec Polonium	3	0	2	0
Alpha Spec Thorium	181	0	236	0
Gas Flow Radium 228	417	0	469	0
Gas Flow Radium 228	23	0	24	0
Alpha Spec Plutonium	313	0	404	0
LSC Sulfur 35	11	0	11	0
Alpha Spec Neptunium	136	0	187	0
Alpha Spec Plutonium	38	0	49	0
Alpha Spec Radium 226	24	0	42	0
Gas Flow Sr 2nd count	165	0	180	0
Gas Flow Strontium 90	462	0	479	0
Gas Flow Strontium 90	1	0	1	0
Gas Flow Total Radium	57	0	72	0
ICP-MS Technetium-99 Prep in Water	19	0	17	0
ICP-MS Uranium-233, 234 in Liquid	9	0	13	0
LSC Calcuim 45	11	0	11	0
Lucas Cell Radium 226	428	0	458	0
Lucas Cell Radium-226	5	0	13	0
Total Activity Screen	2	0	2	0
Chlorine-36 in Liquids	17	0	19	0
Alpha Spec Am241 Curium	295	0	402	0
Gas Flow Total Strontium	72	0	76	0

Total 2016	Bias Criteria (+ / - 25%)		Precision Criteria (Note 1)	
	WITHIN CRITERIA	OUTSIDE CRITERIA	WITHIN CRITERIA	OUTSIDE CRITERIA
Gross Alpha Non Vol Beta	983	0	1206	0
LSC Phosphorus-32	3	0	4	0
Lucas Cell Radium 226 by Method Ra-04	1	0	2	0
ICP-MS Uranium-233, 234 Prep in Liquid	9	0	13	0
Tritium in Drinking Water by EPA 906.0	1	0	1	0
Gamma Spec Liquid RAD A-013 with Ba, La	72	0	142	0
Gamma Spec Liquid RAD A-013 with Iodine	120	0	96	0
Gas Flow Strontium 89 & 90	5	0	2	0
ICP-MS Uranium-235, 236, 238 in Liquid	14	0	13	0
Gas Flow Total Alpha Radium	4	0	3	0
Gross Alpha Co-precipitation	7	0	13	0
ICP-MS Uranium-235, 236, 238 Prep in Liquid	9	0	13	0
ICP-MS Uranium-234, 235, 236, 238 in Liquid	69	0	69	0
Gross Alpha Beta (Americium Calibration) Liquid	26	0	32	0
ICP-MS Uranium-234, 235, 236, 238 Prep in Liquid	46	0	47	0
Alpha/Beta (Americium Calibration) Drinking Water	23	0	17	0
TISSUE				
Carbon-14	1	0	1	0
Gamma Nickel 59 RAD A-022	1	0	6	0
Gamma Spec Solid RAD A-013	45	0	54	0
LSC Nickel 63	1	0	1	0
LSC Plutonium	1	0	1	0
Technetium-99	1	0	1	0
Gamma Iodine-129	1	0	1	0
Gas Flow Lead 210	1	0	1	0
Alpha Spec Uranium	7	0	10	0
Alpha Spec Thorium	1	0	0	0
Alpha Spec Plutonium	10	0	11	0
Gas Flow Sr 2nd count	9	0	9	0
Gas Flow Strontium 90	12	0	12	0
Alpha Spec Am241 Curium	4	0	4	0
Gas Flow Total Strontium	7	0	7	0

Total 2016	Bias Criteria (+ / - 25%)		Precision Criteria (Note 1)	
	WITHIN CRITERIA	OUTSIDE CRITERIA	WITHIN CRITERIA	OUTSIDE CRITERIA
Gamma Spec Solid RAD A-013 with Iodine	11	0	11	0
Gross Alpha/Beta	2	0	3	0
SEA WATER				
LSC Iron-55	7	0	5	0
LSC Nickel 63	7	0	6	0
Gas Flow Total Strontium	10	0	9	0
Gross Alpha Non Vol Beta	9	0	8	0
Gamma Spec Liquid RAD A-013 with Iodine	9	0	9	0
VEGETATION				
Carbon-14	4	0	4	0
Gamma Nickel 59 RAD A-022	1	0	1	0
Gamma Spec Solid RAD A-013	24	0	25	0
LSC Nickel 63	1	0	1	0
LSC Plutonium	1	0	1	0
Technetium-99	2	0	2	0
Tritium	10	0	10	0
Alpha Spec Am243	0	0	1	0
Gamma Iodine-129	1	0	0	0
Gas Flow Lead 210	4	0	4	0
Total Uranium KPA	4	0	4	0
Alpha Spec Uranium	23	0	26	0
Alpha Spec Thorium	5	0	8	0
Alpha Spec Plutonium	14	0	15	0
Alpha Spec Neptunium	1	0	1	0
Gas Flow Sr 2nd count	7	0	7	0
Gas Flow Strontium 90	13	0	11	0
Gas Flow Total Radium	1	0	3	0
Alpha Spec Am241 Curium	6	0	4	0
Gamma Spec Solid RAD A-013 with Iodine	78	0	82	0
Gamma Spec Solid RAD A-013 (pCi/Sample)	1	0	1	0
Alpha Spec Am241 (pCi/Sample)	2	0	2	0
ICP-MS Uranium-234, 235, 236, 238 in Solid	4	0	2	0
Alpha Spec Uranium	0	0	2	0
Gross Alpha/Beta	2	0	4	0
Alpha Spec Plutonium	0	0	2	0
Gas Flow Strontium 90	4	0	2	0

Total 2016	Bias Criteria (+ / - 25%)		Precision Criteria (Note 1)	
	WITHIN CRITERIA	OUTSIDE CRITERIA	WITHIN CRITERIA	OUTSIDE CRITERIA
ICP-MS Uranium-234, 235, 236, 238 Prep in Solid	2	0	1	0
AIR CHARCOAL				
Gamma Iodine 131 RAD A-013	369	0	419	0
Gamma Spec Filter RAD A-013	0	0	1	0
Gamma Iodine-129	5	0	4	0
Alpha Spec Uranium	0	0	1	0
Alpha Spec Plutonium	0	0	2	0
Alpha Spec Am241Curium	0	0	2	0
Carbon-14	12	0	12	0
Direct Count-Gross Alpha/Beta	1	0	0	0
Carbon-14 (Ascarite/Soda Lime Filter per Liter)	28	0	28	0
Gamma Iodine 129	12	0	12	0
Gamma Spec Filter	12	0	12	0
DRINKING WATER				
Alpha Spec Uranium	1	0	1	0
Tritium	35	0	33	0
Carbon-14	1	0	1	0
Iodine-131	2	0	2	0
LSC Iron-55	12	0	13	0
LSC Nickel 63	13	0	14	0
LSC Radon 222	27	0	35	0
Gamma Spec Liquid RAD A-013	30	0	53	0
Gamma Iodine-129	4	0	4	0
Gamma Iodine-131	26	0	26	0
Total Uranium KPA	9	0	20	0
Alpha Spec Polonium	1	0	1	0
Gas Flow Radium 228	32	0	25	0
Alpha Spec Plutonium	1	0	1	0
Gas Flow Sr 2nd count	12	0	13	0
Gas Flow Strontium 90	11	0	9	0
LSC Calcuim 45	2	0	2	0
Lucas Cell Radium-226	46	0	49	0
Alpha Spec Am241 Curium	1	0	1	0
Gas Flow Total Strontium	10	0	12	0
Gross Alpha Non Vol Beta	334	0	265	0
LSC Phosphorus-32	2	0	2	0
Tritium in Drinking Water by EPA 906.0	47	0	58	0

Total 2016	Bias Criteria (+ / - 25%) WITHIN CRITERIA	Bias Criteria (+ / - 25%) OUTSIDE CRITERIA	Precision Criteria (Note 1) WITHIN CRITERIA	Precision Criteria (Note 1) OUTSIDE CRITERIA
Gamma Spec Liquid RAD A-013 with Ba, La	21	0	71	0
Gas Flow Strontium 89 & 90	21	0	10	0
Gross Alpha Co-precipitation	136	0	100	0
Alpha/Beta (Americium Calibration) Drinking Water	11	0	11	0
ECLS-R-GA NJ 48 Hr Rapid Gross Alpha	5	0	5	0
Total	**17075**	**0**	**20165**	**0**

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

Table 6.1-5
2016 CORRECTIVE ACTION REPORT SUMMARY

CORRECTIVE ACTION ID# & PE FAILURE	DISPOSITION
CARR160229-1005 ISO Documentation of PT Failures in RAD 104 for Cesium-137 and Gross Alpha.	**Root Cause Analysis** **Cesium-137 (Cs-137)** **EPA 901.1, HASL 300 Ga-01, DOE 4.5.2.3** 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 were noted. 3. The instrument calibrations were reviewed for biases that could have attributed to this failure. Biases were not noted. 4. A sample duplicate was also prepared and counted along with the reported result. The result fell within the method's acceptance range for duplicates. 5. A remedial sample from the QR030716U study was performed for Cs-137. The result fell well within the acceptance range for the study. **Gross Alpha** **EPA 00-02, EPA 900.0 and EPA 9310** 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% (EPA 00-02) and 113% (EPA 900.0 and EPA 9310). 2. Laboratory control data were also reviewed for trends. None were noted. 3. The instrument calibrations were reviewed for biases that could have attributed to this failure. Biases were not noted. 4. The batch quality control samples were reviewed and found to be compliant. The LCS Sample duplicates were also prepared and counted along with the reported results. The results for both fell

CORRECTIVE ACTION ID# & PE FAILURE	DISPOSITION
	within the methods' acceptance ranges for duplicates. 5. The sample was re-analyzed in duplicate following EPA 00-02 and results (80 pCi/L and 82 pCi/L) that fell within the acceptance range were obtained. **Permanent Corrective/Preventive Actions or Improvements** : The laboratory must assume unidentified random error caused the elevated bias because all quality control criteria were met for the batch. Additionally, a well characterized performance evaluation sample from another vendor was prepped and analyzed a few weeks after this sample. The lab will continue to monitor the recoveries of this parameters to ensure that there are no issues. **A second PT (RAD-103) was successfully analyzed for this matrix.**
CARR160519-1015 ISO Documentation of PT Failures in –MRAD-24 for Total Uranium in Water	**Root Cause Analysis Uranium-Total** **ASTM D5174-91, ASTM D5174-97, ASTM D5174-02** This failure was due to a data entry error. The Uranium-Total (mass) concentration in ug/L was inadvertently reported as the Uranium-Total in pCi/L. The cause of this failure was determined to be human error. The Uranium-Total (mass) result was inadvertently entered as the result for Uranium-Total (pCi/Kg). These results are hand entered into the PT provider's database. **Permanent Corrective/Preventive Actions or Improvements** : A parmname synonym was entered into Alpha Lims to distinguish Uranium-Total activity from Uranium-Total (mass) concentration. This change drastically reduced the potential for such errors to occur in the future **A second PT (MRAD-25) was successfully analyzed for**

CORRECTIVE ACTION ID# & PE FAILURE	DISPOSITION
	this matrix.
CARR160602-1025 ISO Documentation of PT Failures in MAPEP 34 Iron-55 in soil and Radium-226 in water.	**Root Cause Analysis of Iron-55 in soil and Radium-226 in water**: 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. The batch quality control samples were reviewed and found to be compliant. The LCS recovered at 103%. Laboratory control data were also reviewed for trends. None were noted. The instrument calibrations were reviewed for positive biases that could have attributed to this failure. None were noted. 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:** **Fe-55** After a review of the data, it was determined that not enough sample was used to accurately quantitate this analyte. Per the instructions, the sample contained <2000 Bq/kg of this isotope. The lab mistakenly did not use a large enough aliquot and count time to achieve a result lower than 2000 Bg/kg. **MAPEP-16-MaW34** **Radium-226** In the future a more sensitive method will be used to determine the Ra-226 activity. **A second PT (MAPEP 35) was successfully analyzed for both matrices.**

CORRECTIVE ACTION ID# & PE FAILURE	DISPOSITION
CARR160830-1052 ISO Documentation of PT Failures in RAD-106 for Strontium-89 in drinking water.	**Root Cause Analysis of Strontium-89 (Sr-89) EPA 905.0** **Strontium-89** After a thorough review of all data, a definite reason for the failure could not be determined. However, it is suspected that the failure was due to a random laboratory error. The following steps were taken to prove that this low bias was an isolated occurrence and that our overall process is within control. 1. The batch quality control sample was reviewed and found to be compliant. The LCS recovered at 105%. 2. Two sample duplicates were also prepared with the batch. Both results (50.7 pCi/L and 57.0 pCi/L) fell within the PT acceptance range **Permanent Corrective/Preventive Actions or Improvements** The laboratory must assume unidentified random errors caused the biases observed with the results because all quality control criteria were met for each batch. A review of the recoveries was also performed to ensure that the recoveries were not trending high or low for each failure. No trends were noted

6.2 Environmental TLD QA

Environmental dosimetry services for the reporting period of January – December, 2016 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 2016[(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 2016[1], [2]

Process Date	Exposure Level	Mean Bias %	Standard Deviation %	Tolerance Limit +/-15%
4/22/2016	40	3.5	0.7	Pass
4/29/2016	80	1.8	0.7	Pass
5/10/2016	70	1.8	1.8	Pass
7/25/2016	33	2.4	1.5	Pass
8/2/2016	56	2.4	1.6	Pass
8/2/2016	123	0.7	1.4	Pass
10/25/2016	28	2.9	1.0	Pass
10/29/2016	93	3.2	1.8	Pass
11/6/2016	61	0.0	1.6	Pass
1/30/2017	39	1.4	2.5	Pass
1/31/2017	76	2.2	1.3	Pass
1/31/2017	101	-1.7	1.5	Pass

[1] This table summarizes results of tests conducted by EDC for TLDs issued in 2016.
[2] Environmental dosimeter results are free in air.

TABLE 6.2-3
SUMMARY OF INDEPENDENT BLIND SPIKE DOSIMETER TESTING
JANUARY – DECEMBER 2016[1], [2]

Issuance Period	Client	Mean Bias %	Standard Deviation %	Pass / Fail
1st Qtr. 2016	Millstone	-0.2	1.0	Pass
2nd Qtr.2016	Millstone	-3.4	3.0	Pass
2nd Qtr.2016	Seabrook	1.8	0.8	Pass
3rd Qtr. 2016	Millstone	3.0	2.4	Pass
4th Qtr.2016	Millstone	.0.9	3.9	Pass
4th Qtr.2016	Seabrook	-0.2	0.7	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 2016[(1)]

Issuance Period	Client	Number Tested	Mean Bias %	Standard Deviation %	% Passed Precision Criteria
1st Qtr. 2016	Seabrook	12	1.6	3.6	100
2nd Qtr. 2016	Seabrook	6	-0.4	3.6	100
3rd Qtr. 2016	Seabrook	12	-3.1	4.3	100
4th Qtr. 2016	Seabrook	6	-4.0	4.4	100

(1) Performance criterion is Bias % within ± 20% for each test dosimeter.

7.0 Land Use Census

The Offsite Dose Calculation Manual (ODCM Control 9.2.1) requires that a Land Use Census be conducted annually to identify the location of the nearest residence, milk animal and nearest garden of greater than 50 square meters producing broad leaf vegetation in each of the 16 meteorological sectors within five miles of the plant. The 2016 census was completed in accordance with the requirements of the ODCM. In 2016, 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 2016 Land Use Census and their distances are shown in Table 7.0-1. There were no changes in nearest resident locations from last year's land use census. There were four sectors which had a new nearest garden location different from last year's land use census. The new nearest garden locations were in the N, NNE, ESE and SE sectors, at 3,991 m, 3,077 m, 2,759 m, and 4,690 m respectively.

There was one potential milk location identified within 5 miles (8 km) of the plant that was different from those reported in last year's land use census. The new milk location is in the NNW sector, at 5,324 m. However, the owner of the farm could not be contacted. As a result, there still remains an insufficient number of milk producing locations to qualify milk sampling as a REMP media per the requirements of ODCM Table A.9.1-1.

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 2016, 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

2016 Land Use Census Results
(Within 5 Miles)

Sector	Nearest Residence (km)	Nearest Garden (km)	Nearest Milk Animal (km)
N	2.78	3.99 [a]	
NNE	3.09	3.08 [a]	
NE	2.92	4.20	
ENE	2.31	2.44	
E	2.56	---	
ESE	2.43	2.76 [a]	
SE	2.36	4.69 [a]	
SSE	1.65	---	
S	1.21	1.25	
SSW	1.12	1.22	
SW	1.13	1.57	4.52 [b]
WSW	1.87	2.33	
W	1.25	1.55	
WNW	1.11	1.52	
NW	1.22	2.35	6.93
NNW	1.04	1.07	5.32 [a, c]

[a] New locations in 2016.
[b] Owner indicates that all milk is for personal use and is not interested in participating in REMP sampling.
[c] Owner could not be contacted.

Attachment 1: Sample Analysis Data List for 2016

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.

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
AL	05	398130001	5/17/2016	Ac-228	-1.85E+01	1.34E+01	3.45E+01	U
AL	05	398130001	5/17/2016	Ag-108m	-1.69E+00	1.87E+00	5.87E+00	U
AL	05	398130001	5/17/2016	Ag-110m	1.29E+00	3.08E+00	1.02E+01	U
AL	05	398130001	5/17/2016	Ba-140	1.06E+01	1.31E+01	4.25E+01	U
AL	05	398130001	5/17/2016	Be-7	3.50E+01	2.04E+01	6.11E+01	U
AL	05	398130001	5/17/2016	Ce-141	-8.30E-01	3.30E+00	1.07E+01	U
AL	05	398130001	5/17/2016	Ce-144	-2.44E+01	1.28E+01	3.61E+01	U
AL	05	398130001	5/17/2016	Co-57	1.59E+00	1.54E+00	5.01E+00	U
AL	05	398130001	5/17/2016	Co-58	1.31E-01	2.27E+00	7.53E+00	U
AL	05	398130001	5/17/2016	Co-60	-3.76E+00	4.33E+00	8.29E+00	U
AL	05	398130001	5/17/2016	Cr-51	1.55E+01	1.95E+01	6.52E+01	U
AL	05	398130001	5/17/2016	Cs-134	-3.85E-02	2.79E+00	8.02E+00	U
AL	05	398130001	5/17/2016	Cs-137	6.01E+00	4.29E+00	7.24E+00	U
AL	05	398130001	5/17/2016	Fe-59	-7.25E+00	6.24E+00	1.86E+01	U
AL	05	398130001	5/17/2016	I-131	5.82E+00	5.43E+00	1.58E+01	U
AL	05	398130001	5/17/2016	K-40	8.64E+03	4.07E+02	7.49E+01	
AL	05	398130001	5/17/2016	La-140	2.47E+00	3.31E+00	1.11E+01	U
AL	05	398130001	5/17/2016	Mn-54	-2.37E+00	2.20E+00	6.81E+00	U
AL	05	398130001	5/17/2016	Nb-95	3.26E+00	2.39E+00	7.81E+00	U
AL	05	398130001	5/17/2016	Ru-103	1.42E+00	2.30E+00	7.52E+00	U
AL	05	398130001	5/17/2016	Ru-106	-3.08E+01	2.32E+01	6.18E+01	U
AL	05	398130001	5/17/2016	Sb-124	-1.37E+00	4.79E+00	1.53E+01	U
AL	05	398130001	5/17/2016	Sb-125	-3.82E+00	5.77E+00	1.85E+01	U
AL	05	398130001	5/17/2016	Se-75	1.97E+00	2.62E+00	8.84E+00	U
AL	05	398130001	5/17/2016	Th-228	7.27E+00	6.20E+00	1.20E+01	U
AL	05	398130001	5/17/2016	Zn-65	5.19E+00	6.21E+00	2.01E+01	U
AL	05	398130001	5/17/2016	Zr-95	3.14E+00	4.34E+00	1.45E+01	U
AL	05	411212001	11/14/2016	Ac-228	-1.16E+01	2.09E+01	4.35E+01	U
AL	05	411212001	11/14/2016	Ag-108m	-1.21E+00	3.46E+00	8.86E+00	U
AL	05	411212001	11/14/2016	Ag-110m	-6.08E+00	5.77E+00	1.49E+01	U
AL	05	411212001	11/14/2016	Ba-140	-7.97E+00	2.25E+01	7.10E+01	U
AL	05	411212001	11/14/2016	Be-7	8.04E+01	5.31E+01	9.12E+01	U
AL	05	411212001	11/14/2016	Ce-141	-1.03E+01	6.55E+00	1.54E+01	U
AL	05	411212001	11/14/2016	Ce-144	-7.54E+00	1.47E+01	4.94E+01	U
AL	05	411212001	11/14/2016	Co-57	2.94E+00	2.08E+00	6.90E+00	U
AL	05	411212001	11/14/2016	Co-58	9.51E-01	3.46E+00	1.17E+01	U
AL	05	411212001	11/14/2016	Co-60	3.51E+00	3.79E+00	1.12E+01	U
AL	05	411212001	11/14/2016	Cr-51	3.99E+01	3.12E+01	1.01E+02	U
AL	05	411212001	11/14/2016	Cs-134	1.78E+00	3.90E+00	1.17E+01	U
AL	05	411212001	11/14/2016	Cs-137	1.41E+00	3.07E+00	1.05E+01	U
AL	05	411212001	11/14/2016	Fe-59	-4.82E+00	7.94E+00	2.53E+01	U
AL	05	411212001	11/14/2016	I-131	1.04E+00	9.41E+00	3.09E+01	U
AL	05	411212001	11/14/2016	K-40	9.18E+03	3.02E+02	8.38E+01	
AL	05	411212001	11/14/2016	La-140	4.44E-01	5.67E+00	1.83E+01	U
AL	05	411212001	11/14/2016	Mn-54	4.59E+00	4.02E+00	9.88E+00	U
AL	05	411212001	11/14/2016	Nb-95	-3.99E+00	3.55E+00	1.12E+01	U
AL	05	411212001	11/14/2016	Ru-103	-4.15E+00	3.64E+00	1.09E+01	U
AL	05	411212001	11/14/2016	Ru-106	-2.67E+01	2.88E+01	8.63E+01	U
AL	05	411212001	11/14/2016	Sb-124	4.58E+00	4.78E+00	1.70E+01	U
AL	05	411212001	11/14/2016	Sb-125	-4.91E+00	7.97E+00	2.52E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
AL	05	411212001	11/14/2016	Se-75	1.72E+00	3.47E+00	1.16E+01	U
AL	05	411212001	11/14/2016	Th-228	1.46E+01	9.81E+00	1.76E+01	U
AL	05	411212001	11/14/2016	Zn-65	2.09E+00	7.58E+00	2.51E+01	U
AL	05	411212001	11/14/2016	Zr-95	-6.66E+00	5.96E+00	1.87E+01	U
AL	55	398130002	5/17/2016	Ac-228	7.35E+00	1.55E+01	2.49E+01	U
AL	55	398130002	5/17/2016	Ag-108m	6.09E-01	1.51E+00	4.94E+00	U
AL	55	398130002	5/17/2016	Ag-110m	0.00E+00	4.35E+00	9.10E+00	U
AL	55	398130002	5/17/2016	Ba-140	1.42E+01	1.47E+01	4.69E+01	U
AL	55	398130002	5/17/2016	Be-7	2.46E+02	3.19E+01	5.40E+01	
AL	55	398130002	5/17/2016	Ce-141	-1.49E+00	4.67E+00	1.06E+01	U
AL	55	398130002	5/17/2016	Ce-144	-1.64E+01	1.10E+01	3.25E+01	U
AL	55	398130002	5/17/2016	Co-57	7.27E-01	1.35E+00	4.37E+00	U
AL	55	398130002	5/17/2016	Co-58	-2.41E+00	2.41E+00	6.76E+00	U
AL	55	398130002	5/17/2016	Co-60	-1.70E+00	2.08E+00	6.60E+00	U
AL	55	398130002	5/17/2016	Cr-51	1.40E+01	1.91E+01	6.31E+01	U
AL	55	398130002	5/17/2016	Cs-134	0.00E+00	4.47E+00	7.35E+00	U
AL	55	398130002	5/17/2016	Cs-137	1.66E+00	2.00E+00	6.67E+00	U
AL	55	398130002	5/17/2016	Fe-59	2.45E+00	5.27E+00	1.71E+01	U
AL	55	398130002	5/17/2016	I-131	1.87E+01	8.77E+00	1.97E+01	U
AL	55	398130002	5/17/2016	K-40	7.52E+03	3.68E+02	5.67E+01	
AL	55	398130002	5/17/2016	La-140	6.10E+00	4.95E+00	1.25E+01	U
AL	55	398130002	5/17/2016	Mn-54	-1.12E+00	2.04E+00	6.56E+00	U
AL	55	398130002	5/17/2016	Nb-95	0.00E+00	3.23E+00	6.65E+00	U
AL	55	398130002	5/17/2016	Ru-103	1.37E+00	2.04E+00	6.61E+00	U
AL	55	398130002	5/17/2016	Ru-106	-3.91E+00	1.61E+01	5.37E+01	U
AL	55	398130002	5/17/2016	Sb-124	-2.09E+00	4.17E+00	1.31E+01	U
AL	55	398130002	5/17/2016	Sb-125	5.87E-01	4.56E+00	1.49E+01	U
AL	55	398130002	5/17/2016	Se-75	4.27E+00	2.44E+00	7.67E+00	U
AL	55	398130002	5/17/2016	Th-228	2.03E+01	5.20E+00	9.11E+00	
AL	55	398130002	5/17/2016	Zn-65	-3.61E+00	5.45E+00	1.70E+01	U
AL	55	398130002	5/17/2016	Zr-95	-3.93E+00	3.76E+00	1.18E+01	U
AL	55	411212002	11/14/2016	Ac-228	0.00E+00	3.56E+01	7.86E+01	U
AL	55	411212002	11/14/2016	Ag-108m	2.06E+00	6.25E+00	1.30E+01	U
AL	55	411212002	11/14/2016	Ag-110m	-2.98E+00	6.03E+00	1.87E+01	U
AL	55	411212002	11/14/2016	Ba-140	2.18E+01	3.31E+01	1.09E+02	U
AL	55	411212002	11/14/2016	Be-7	3.29E+02	8.39E+01	1.25E+02	
AL	55	411212002	11/14/2016	Ce-141	-7.29E+00	7.48E+00	1.98E+01	U
AL	55	411212002	11/14/2016	Ce-144	4.65E+00	2.24E+01	7.69E+01	U
AL	55	411212002	11/14/2016	Co-57	1.25E+00	3.99E+00	9.11E+00	U
AL	55	411212002	11/14/2016	Co-58	-4.27E+00	4.90E+00	1.52E+01	U
AL	55	411212002	11/14/2016	Co-60	-2.53E+00	4.49E+00	1.37E+01	U
AL	55	411212002	11/14/2016	Cr-51	1.28E+02	6.70E+01	1.41E+02	U
AL	55	411212002	11/14/2016	Cs-134	-1.02E+01	5.52E+00	1.46E+01	U
AL	55	411212002	11/14/2016	Cs-137	7.49E+00	5.07E+00	1.74E+01	U
AL	55	411212002	11/14/2016	Fe-59	-8.99E+00	1.01E+01	3.01E+01	U
AL	55	411212002	11/14/2016	I-131	-4.78E-01	1.47E+01	4.80E+01	U
AL	55	411212002	11/14/2016	K-40	4.77E+03	2.41E+02	1.09E+02	
AL	55	411212002	11/14/2016	La-140	-2.71E+01	1.12E+01	1.44E+01	U
AL	55	411212002	11/14/2016	Mn-54	7.51E+00	4.78E+00	1.64E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
AL	55	411212002	11/14/2016	Nb-95	-2.25E+00	5.40E+00	1.54E+01	U
AL	55	411212002	11/14/2016	Ru-103	-1.15E+01	5.93E+00	1.49E+01	U
AL	55	411212002	11/14/2016	Ru-106	1.20E+00	3.72E+01	1.18E+02	U
AL	55	411212002	11/14/2016	Sb-124	-8.89E-01	8.22E+00	2.73E+01	U
AL	55	411212002	11/14/2016	Sb-125	5.89E+00	1.14E+01	3.62E+01	U
AL	55	411212002	11/14/2016	Se-75	1.10E+01	5.61E+00	1.80E+01	U
AL	55	411212002	11/14/2016	Th-228	3.60E+01	1.10E+01	2.06E+01	
AL	55	411212002	11/14/2016	Zn-65	-1.03E+01	1.04E+01	3.08E+01	U
AL	55	411212002	11/14/2016	Zr-95	3.72E+00	8.61E+00	2.96E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m^3)	STD.DEV. (pCi/m^3)	MDC (pCi/m^3)	FLAGS
AP	01	388988001	1/6/2016	BETA	1.83E-02	1.03E-03	7.82E-04	
AP	01	389867001	1/20/2016	BETA	2.00E-02	1.08E-03	7.33E-04	
AP	01	390815001	2/3/2016	BETA	1.01E-02	7.82E-04	8.07E-04	
AP	01	391690001	2/17/2016	BETA	1.57E-02	9.56E-04	7.17E-04	
AP	01	392592001	3/1/2016	BETA	1.47E-02	9.87E-04	8.53E-04	
AP	01	393488001	3/16/2016	BETA	1.32E-02	8.72E-04	7.32E-04	
AP	01	394179001	3/30/2016	BETA	1.18E-02	8.65E-04	8.46E-04	
AP	01	396307001	3/30/2016	Ac-228	9.84E-04	6.54E-04	2.50E-03	U
AP	01	396307001	3/30/2016	Ag-108m	1.42E-04	1.03E-04	3.89E-04	U
AP	01	396307001	3/30/2016	Ag-110m	4.42E-04	2.90E-04	1.03E-03	U
AP	01	396307001	3/30/2016	Ba-140	-9.53E-03	3.92E-02	1.24E-01	U
AP	01	396307001	3/30/2016	Be-7	9.34E-02	9.78E-03	1.11E-02	
AP	01	396307001	3/30/2016	Ce-141	1.18E-03	1.06E-03	3.57E-03	U
AP	01	396307001	3/30/2016	Ce-144	9.70E-04	8.21E-04	2.81E-03	U
AP	01	396307001	3/30/2016	Co-57	-1.02E-04	9.99E-05	3.08E-04	U
AP	01	396307001	3/30/2016	Co-58	1.74E-04	2.42E-04	8.67E-04	U
AP	01	396307001	3/30/2016	Co-60	-2.07E-05	1.47E-04	4.75E-04	U
AP	01	396307001	3/30/2016	Cr-51	-1.08E-02	8.99E-03	2.54E-02	U
AP	01	396307001	3/30/2016	Cs-134	1.45E-04	1.39E-04	5.08E-04	U
AP	01	396307001	3/30/2016	Cs-137	-7.18E-05	1.25E-04	3.83E-04	U
AP	01	396307001	3/30/2016	Fe-59	-4.19E-04	9.22E-04	3.06E-03	U
AP	01	396307001	3/30/2016	I-131	0.00E+00	2.11E-01	0.00E+00	UI
AP	01	396307001	3/30/2016	K-40	5.35E-03	2.73E-03	6.14E-03	U
AP	01	396307001	3/30/2016	La-140	6.81E-03	1.57E-02	5.60E-02	U
AP	01	396307001	3/30/2016	Mn-54	1.78E-05	1.81E-04	5.99E-04	U
AP	01	396307001	3/30/2016	Nb-95	4.89E-04	3.45E-04	1.24E-03	U
AP	01	396307001	3/30/2016	Ru-103	-3.34E-04	5.29E-04	1.66E-03	U
AP	01	396307001	3/30/2016	Ru-106	6.61E-04	1.24E-03	3.54E-03	U
AP	01	396307001	3/30/2016	Sb-124	5.80E-04	8.83E-04	3.24E-03	U
AP	01	396307001	3/30/2016	Sb-125	-5.95E-04	4.12E-04	1.06E-03	U
AP	01	396307001	3/30/2016	Se-75	3.12E-05	2.54E-04	8.40E-04	U
AP	01	396307001	3/30/2016	Th-228	1.82E-04	2.26E-04	7.82E-04	U
AP	01	396307001	3/30/2016	Zn-65	2.05E-05	4.94E-04	1.67E-03	U
AP	01	396307001	3/30/2016	Zr-95	-1.69E-04	5.95E-04	1.89E-03	U
AP	01	395510001	4/13/2016	BETA	1.87E-02	1.07E-03	7.69E-04	
AP	01	396329001	4/27/2016	BETA	1.76E-02	9.39E-04	6.33E-04	
AP	01	397481001	5/11/2016	BETA	8.98E-03	6.76E-04	6.09E-04	M
AP	01	398362001	5/24/2016	BETA	1.42E-02	8.86E-04	6.95E-04	
AP	01	399253001	6/8/2016	BETA	1.46E-02	8.38E-04	6.20E-04	
AP	01	400149001	6/22/2016	BETA	1.29E-02	8.23E-04	6.76E-04	
AP	01	402845001	6/22/2016	Ac-228	3.64E-04	7.42E-04	2.64E-03	U
AP	01	402845001	6/22/2016	Ag-108m	6.38E-05	1.12E-04	3.84E-04	U
AP	01	402845001	6/22/2016	Ag-110m	-9.78E-05	3.46E-04	1.09E-03	U
AP	01	402845001	6/22/2016	Ba-140	8.01E-02	8.58E-02	2.90E-01	U
AP	01	402845001	6/22/2016	Be-7	1.11E-01	1.08E-02	1.06E-02	
AP	01	402845001	6/22/2016	Ce-141	1.72E-03	1.09E-03	3.75E-03	U
AP	01	402845001	6/22/2016	Ce-144	-5.45E-04	7.38E-04	2.32E-03	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m^3)	STD.DEV. (pCi/m^3)	MDC (pCi/m^3)	FLAGS
AP	01	402845001	6/22/2016	Co-57	1.82E-04	1.14E-04	3.89E-04	U
AP	01	402845001	6/22/2016	Co-58	6.64E-04	3.71E-04	1.38E-03	U
AP	01	402845001	6/22/2016	Co-60	2.13E-04	1.80E-04	6.86E-04	U
AP	01	402845001	6/22/2016	Cr-51	1.48E-02	1.11E-02	3.90E-02	U
AP	01	402845001	6/22/2016	Cs-134	5.77E-05	1.51E-04	5.22E-04	U
AP	01	402845001	6/22/2016	Cs-137	2.24E-04	1.45E-04	5.33E-04	U
AP	01	402845001	6/22/2016	Fe-59	5.59E-04	1.53E-03	5.31E-03	U
AP	01	402845001	6/22/2016	I-131	-1.68E-01	5.00E-01	0.00E+00	U
AP	01	402845001	6/22/2016	K-40	3.73E-03	2.62E-03	1.01E-02	U
AP	01	402845001	6/22/2016	La-140	-1.11E-01	5.15E-02	6.87E-02	U
AP	01	402845001	6/22/2016	Mn-54	-1.02E-04	1.96E-04	5.99E-04	U
AP	01	402845001	6/22/2016	Nb-95	1.36E-04	4.66E-04	1.61E-03	U
AP	01	402845001	6/22/2016	Ru-103	-1.38E-04	6.28E-04	2.00E-03	U
AP	01	402845001	6/22/2016	Ru-106	-6.19E-04	1.63E-03	5.26E-03	U
AP	01	402845001	6/22/2016	Sb-124	1.45E-03	1.12E-03	4.47E-03	U
AP	01	402845001	6/22/2016	Sb-125	4.28E-04	4.54E-04	1.56E-03	U
AP	01	402845001	6/22/2016	Se-75	1.95E-04	2.85E-04	9.50E-04	U
AP	01	402845001	6/22/2016	Th-228	5.15E-04	2.93E-04	8.88E-04	U
AP	01	402845001	6/22/2016	Zn-65	-9.93E-04	5.31E-04	1.07E-03	U
AP	01	402845001	6/22/2016	Zr-95	-9.39E-04	6.90E-04	1.71E-03	U
AP	01	401222001	7/6/2016	BETA	1.71E-02	9.49E-04	6.97E-04	
AP	01	402111001	7/19/2016	BETA	1.63E-02	9.60E-04	7.21E-04	
AP	01	403263001	8/3/2016	BETA	2.33E-02	1.08E-03	6.56E-04	
AP	01	404118001	8/17/2016	BETA	2.17E-02	1.07E-03	6.62E-04	
AP	01	405188001	8/31/2016	BETA	2.00E-02	1.03E-03	7.24E-04	
AP	01	406287001	9/16/2016	BETA	2.22E-02	1.02E-03	6.47E-04	
AP	01	407093001	9/28/2016	BETA	2.44E-02	1.22E-03	7.54E-04	
AP	01	409457001	9/28/2016	Ac-228	1.01E-04	4.67E-04	1.64E-03	U
AP	01	409457001	9/28/2016	Ag-108m	-2.34E-05	7.76E-05	2.41E-04	U
AP	01	409457001	9/28/2016	Ag-110m	-6.28E-05	2.02E-04	6.23E-04	U
AP	01	409457001	9/28/2016	Ba-140	-2.19E-02	5.44E-02	1.51E-01	U
AP	01	409457001	9/28/2016	Be-7	1.19E-01	9.54E-03	8.47E-03	
AP	01	409457001	9/28/2016	Ce-141	-3.36E-04	8.89E-04	2.75E-03	U
AP	01	409457001	9/28/2016	Ce-144	-3.61E-06	5.74E-04	1.84E-03	U
AP	01	409457001	9/28/2016	Co-57	6.18E-05	7.90E-05	2.63E-04	U
AP	01	409457001	9/28/2016	Co-58	2.59E-04	2.34E-04	8.23E-04	U
AP	01	409457001	9/28/2016	Co-60	9.02E-05	1.12E-04	3.99E-04	U
AP	01	409457001	9/28/2016	Cr-51	4.12E-03	7.60E-03	2.58E-02	U
AP	01	409457001	9/28/2016	Cs-134	1.21E-06	1.18E-04	3.83E-04	U
AP	01	409457001	9/28/2016	Cs-137	7.55E-05	1.10E-04	3.42E-04	U
AP	01	409457001	9/28/2016	Fe-59	3.93E-04	9.12E-04	3.15E-03	U
AP	01	409457001	9/28/2016	I-131	0.00E+00	3.72E-01	0.00E+00	UI
AP	01	409457001	9/28/2016	K-40	2.22E-03	1.99E-03	6.80E-03	U
AP	01	409457001	9/28/2016	La-140	6.89E-03	1.87E-02	6.62E-02	U
AP	01	409457001	9/28/2016	Mn-54	2.06E-04	1.58E-04	5.39E-04	U
AP	01	409457001	9/28/2016	Nb-95	-1.06E-04	3.04E-04	9.55E-04	U
AP	01	409457001	9/28/2016	Ru-103	-5.06E-05	4.22E-04	1.42E-03	U
AP	01	409457001	9/28/2016	Ru-106	-1.93E-03	1.35E-03	3.77E-03	U
AP	01	409457001	9/28/2016	Sb-124	8.82E-04	6.03E-04	2.41E-03	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m^3)	STD.DEV. (pCi/m^3)	MDC (pCi/m^3)	FLAGS
AP	01	409457001	9/28/2016	Sb-125	-3.06E-04	2.54E-04	6.87E-04	U
AP	01	409457001	9/28/2016	Se-75	-1.92E-04	1.80E-04	5.41E-04	U
AP	01	409457001	9/28/2016	Th-228	4.49E-04	3.40E-04	7.00E-04	U
AP	01	409457001	9/28/2016	Zn-65	-4.00E-04	3.43E-04	9.48E-04	U
AP	01	409457001	9/28/2016	Zr-95	4.06E-04	4.64E-04	1.62E-03	U
AP	01	408342001	10/12/2016	BETA	1.90E-02	9.94E-04	6.42E-04	
AP	01	409323001	10/26/2016	BETA	1.96E-02	1.02E-03	7.00E-04	
AP	01	410535001	11/9/2016	BETA	1.51E-02	8.92E-04	6.72E-04	
AP	01	411356001	11/23/2016	BETA	1.23E-02	8.08E-04	6.65E-04	
AP	01	412445001	12/7/2016	BETA	1.09E-02	7.56E-04	6.79E-04	
AP	01	413222001	12/21/2016	BETA	2.32E-02	1.09E-03	6.72E-04	
AP	01	414339001	12/21/2016	Ac-228	-2.41E-04	8.83E-04	3.04E-03	U
AP	01	414339001	12/21/2016	Ag-108m	-4.46E-05	1.31E-04	4.28E-04	U
AP	01	414339001	12/21/2016	Ag-110m	-1.40E-05	2.66E-04	8.49E-04	U
AP	01	414339001	12/21/2016	Ba-140	-2.82E-02	1.90E-02	4.15E-02	U
AP	01	414339001	12/21/2016	Be-7	8.07E-02	8.88E-03	8.79E-03	
AP	01	414339001	12/21/2016	Ce-141	-3.72E-04	6.90E-04	2.11E-03	U
AP	01	414339001	12/21/2016	Ce-144	-3.49E-04	7.49E-04	2.39E-03	U
AP	01	414339001	12/21/2016	Co-57	-8.07E-05	8.43E-05	2.52E-04	U
AP	01	414339001	12/21/2016	Co-58	-2.45E-04	2.88E-04	7.35E-04	U
AP	01	414339001	12/21/2016	Co-60	1.87E-04	1.93E-04	7.68E-04	U
AP	01	414339001	12/21/2016	Cr-51	-1.00E-02	7.06E-03	1.72E-02	U
AP	01	414339001	12/21/2016	Cs-134	2.06E-04	1.92E-04	7.25E-04	U
AP	01	414339001	12/21/2016	Cs-137	-1.44E-04	1.65E-04	4.50E-04	U
AP	01	414339001	12/21/2016	Fe-59	-1.41E-03	7.82E-04	0.00E+00	U
AP	01	414339001	12/21/2016	I-131	-6.67E-03	4.53E-02	1.38E-01	U
AP	01	414339001	12/21/2016	K-40	3.80E-03	2.93E-03	5.66E-03	U
AP	01	414339001	12/21/2016	La-140	9.98E-03	7.43E-03	3.29E-02	U
AP	01	414339001	12/21/2016	Mn-54	-1.23E-04	1.51E-04	3.72E-04	U
AP	01	414339001	12/21/2016	Nb-95	-3.48E-04	3.91E-04	1.06E-03	U
AP	01	414339001	12/21/2016	Ru-103	-3.54E-08	4.31E-04	1.46E-03	U
AP	01	414339001	12/21/2016	Ru-106	-1.09E-03	1.16E-03	2.90E-03	U
AP	01	414339001	12/21/2016	Sb-124	3.60E-04	9.13E-04	3.32E-03	U
AP	01	414339001	12/21/2016	Sb-125	-7.85E-04	4.47E-04	1.07E-03	U
AP	01	414339001	12/21/2016	Se-75	-1.65E-04	2.46E-04	7.20E-04	U
AP	01	414339001	12/21/2016	Th-228	2.27E-04	3.35E-04	9.07E-04	U
AP	01	414339001	12/21/2016	Zn-65	1.09E-03	5.22E-04	2.12E-03	U
AP	01	414339001	12/21/2016	Zr-95	-1.07E-03	6.81E-04	1.34E-03	U
AP	02	388988002	1/6/2016	BETA	2.03E-02	1.13E-03	8.46E-04	
AP	02	389867002	1/20/2016	BETA	1.57E-02	9.99E-04	8.02E-04	
AP	02	390815002	2/3/2016	BETA	1.53E-02	1.00E-03	8.85E-04	
AP	02	391690002	2/17/2016	BETA	1.48E-02	8.96E-04	6.69E-04	
AP	02	392592002	3/1/2016	BETA	1.76E-02	1.04E-03	7.93E-04	
AP	02	393488002	3/16/2016	BETA	1.61E-02	9.24E-04	6.78E-04	
AP	02	394179002	3/30/2016	BETA	1.18E-02	8.28E-04	7.81E-04	
AP	02	396307002	3/30/2016	Ac-228	5.45E-04	7.60E-04	2.72E-03	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m^3)	STD.DEV. (pCi/m^3)	MDC (pCi/m^3)	FLAGS
AP	02	396307002	3/30/2016	Ag-108m	1.05E-04	1.12E-04	3.51E-04	U
AP	02	396307002	3/30/2016	Ag-110m	1.55E-05	2.72E-04	8.87E-04	U
AP	02	396307002	3/30/2016	Ba-140	5.40E-02	5.04E-02	1.65E-01	U
AP	02	396307002	3/30/2016	Be-7	1.17E-01	1.05E-02	9.64E-03	
AP	02	396307002	3/30/2016	Ce-141	-1.04E-04	8.78E-04	2.79E-03	U
AP	02	396307002	3/30/2016	Ce-144	-2.35E-04	8.09E-04	2.55E-03	U
AP	02	396307002	3/30/2016	Co-57	1.20E-04	9.99E-05	3.35E-04	U
AP	02	396307002	3/30/2016	Co-58	-1.53E-04	3.25E-04	9.90E-04	U
AP	02	396307002	3/30/2016	Co-60	6.99E-05	1.07E-04	4.05E-04	U
AP	02	396307002	3/30/2016	Cr-51	8.59E-03	7.52E-03	2.61E-02	U
AP	02	396307002	3/30/2016	Cs-134	-1.26E-04	1.89E-04	5.60E-04	U
AP	02	396307002	3/30/2016	Cs-137	9.59E-05	1.54E-04	5.35E-04	U
AP	02	396307002	3/30/2016	Fe-59	-5.21E-04	1.23E-03	3.85E-03	U
AP	02	396307002	3/30/2016	I-131	0.00E+00	2.04E-01	0.00E+00	UI
AP	02	396307002	3/30/2016	K-40	0.00E+00	3.79E-03	3.61E-03	U
AP	02	396307002	3/30/2016	La-140	2.04E-02	2.34E-02	8.46E-02	U
AP	02	396307002	3/30/2016	Mn-54	2.30E-04	2.24E-04	7.80E-04	U
AP	02	396307002	3/30/2016	Nb-95	4.26E-04	3.22E-04	1.10E-03	U
AP	02	396307002	3/30/2016	Ru-103	-2.10E-05	5.06E-04	1.66E-03	U
AP	02	396307002	3/30/2016	Ru-106	-2.00E-03	1.65E-03	4.60E-03	U
AP	02	396307002	3/30/2016	Sb-124	7.05E-04	1.07E-03	3.91E-03	U
AP	02	396307002	3/30/2016	Sb-125	1.28E-04	3.96E-04	1.28E-03	U
AP	02	396307002	3/30/2016	Se-75	1.57E-04	2.19E-04	7.38E-04	U
AP	02	396307002	3/30/2016	Th-228	1.64E-04	2.49E-04	7.97E-04	U
AP	02	396307002	3/30/2016	Zn-65	1.53E-04	4.54E-04	1.57E-03	U
AP	02	396307002	3/30/2016	Zr-95	-4.33E-04	5.82E-04	1.68E-03	U
AP	02	395510002	4/13/2016	BETA	1.95E-02	1.06E-03	7.12E-04	
AP	02	396329002	4/27/2016	BETA	2.06E-02	1.03E-03	6.57E-04	
AP	02	397481002	5/11/2016	BETA	9.05E-03	6.91E-04	6.30E-04	M
AP	02	398362002	5/24/2016	BETA	1.54E-02	9.33E-04	7.11E-04	
AP	02	399253002	6/8/2016	BETA	1.58E-02	8.87E-04	6.41E-04	
AP	02	400149002	6/22/2016	BETA	1.07E-02	7.56E-04	6.82E-04	
AP	02	402845002	6/22/2016	Ac-228	1.23E-03	8.42E-04	2.99E-03	U
AP	02	402845002	6/22/2016	Ag-108m	6.55E-05	1.09E-04	3.71E-04	U
AP	02	402845002	6/22/2016	Ag-110m	1.41E-04	2.32E-04	8.16E-04	U
AP	02	402845002	6/22/2016	Ba-140	1.18E-02	9.50E-02	3.23E-01	U
AP	02	402845002	6/22/2016	Be-7	1.13E-01	1.11E-02	9.93E-03	
AP	02	402845002	6/22/2016	Ce-141	-5.71E-04	1.34E-03	4.18E-03	U
AP	02	402845002	6/22/2016	Ce-144	-2.26E-04	8.39E-04	2.65E-03	U
AP	02	402845002	6/22/2016	Co-57	-1.26E-04	1.29E-04	3.30E-04	U
AP	02	402845002	6/22/2016	Co-58	3.38E-04	4.03E-04	1.42E-03	U
AP	02	402845002	6/22/2016	Co-60	5.62E-05	2.07E-04	7.05E-04	U
AP	02	402845002	6/22/2016	Cr-51	-1.42E-02	1.34E-02	3.95E-02	U
AP	02	402845002	6/22/2016	Cs-134	-9.22E-05	2.24E-04	6.96E-04	U
AP	02	402845002	6/22/2016	Cs-137	2.61E-04	1.74E-04	6.22E-04	U
AP	02	402845002	6/22/2016	Fe-59	4.99E-04	1.39E-03	4.85E-03	U
AP	02	402845002	6/22/2016	I-131	0.00E+00	5.41E-01	0.00E+00	UI
AP	02	402845002	6/22/2016	K-40	0.00E+00	2.63E-03	5.04E-03	U
AP	02	402845002	6/22/2016	La-140	4.36E-02	4.61E-02	1.68E-01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m^3)	STD.DEV. (pCi/m^3)	MDC (pCi/m^3)	FLAGS
AP	02	402845002	6/22/2016	Mn-54	-2.82E-04	2.40E-04	6.49E-04	U
AP	02	402845002	6/22/2016	Nb-95	6.12E-04	5.01E-04	1.74E-03	U
AP	02	402845002	6/22/2016	Ru-103	9.20E-04	7.09E-04	2.54E-03	U
AP	02	402845002	6/22/2016	Ru-106	2.34E-03	1.44E-03	5.25E-03	U
AP	02	402845002	6/22/2016	Sb-124	1.42E-03	1.09E-03	4.35E-03	U
AP	02	402845002	6/22/2016	Sb-125	-4.22E-04	4.13E-04	1.16E-03	U
AP	02	402845002	6/22/2016	Se-75	1.10E-04	2.78E-04	9.45E-04	U
AP	02	402845002	6/22/2016	Th-228	2.58E-04	2.74E-04	9.42E-04	U
AP	02	402845002	6/22/2016	Zn-65	-4.89E-06	3.96E-04	1.32E-03	U
AP	02	402845002	6/22/2016	Zr-95	6.59E-04	6.42E-04	2.16E-03	U
AP	02	401222002	7/6/2016	BETA	1.76E-02	9.69E-04	7.04E-04	
AP	02	402111002	7/19/2016	BETA	1.71E-02	9.88E-04	7.30E-04	
AP	02	403263002	8/3/2016	BETA	2.25E-02	1.06E-03	6.60E-04	
AP	02	404118002	8/17/2016	BETA	1.97E-02	1.02E-03	6.66E-04	
AP	02	405188002	8/31/2016	BETA	2.09E-02	1.07E-03	7.47E-04	
AP	02	406287002	9/16/2016	BETA	2.08E-02	9.94E-04	6.61E-04	
AP	02	407093002	9/28/2016	BETA	2.07E-02	1.13E-03	7.67E-04	
AP	02	409457002	9/28/2016	Ac-228	5.77E-04	4.62E-04	1.90E-03	U
AP	02	409457002	9/28/2016	Ag-108m	-6.30E-05	9.36E-05	2.83E-04	U
AP	02	409457002	9/28/2016	Ag-110m	1.77E-05	2.63E-04	8.51E-04	U
AP	02	409457002	9/28/2016	Ba-140	3.34E-02	6.74E-02	2.32E-01	U
AP	02	409457002	9/28/2016	Be-7	1.18E-01	1.08E-02	1.14E-02	
AP	02	409457002	9/28/2016	Ce-141	7.76E-04	9.30E-04	3.26E-03	U
AP	02	409457002	9/28/2016	Ce-144	-1.63E-04	6.66E-04	2.25E-03	U
AP	02	409457002	9/28/2016	Co-57	9.04E-05	8.35E-05	2.95E-04	U
AP	02	409457002	9/28/2016	Co-58	2.27E-05	2.85E-04	9.32E-04	U
AP	02	409457002	9/28/2016	Co-60	1.73E-05	1.06E-04	3.71E-04	U
AP	02	409457002	9/28/2016	Cr-51	-2.17E-04	8.57E-03	2.87E-02	U
AP	02	409457002	9/28/2016	Cs-134	2.72E-04	1.79E-04	6.64E-04	U
AP	02	409457002	9/28/2016	Cs-137	-6.04E-06	9.53E-05	3.07E-04	U
AP	02	409457002	9/28/2016	Fe-59	5.04E-04	6.76E-04	2.53E-03	U
AP	02	409457002	9/28/2016	I-131	0.00E+00	3.00E-01	0.00E+00	UI
AP	02	409457002	9/28/2016	K-40	-3.72E-03	2.41E-03	7.03E-03	U
AP	02	409457002	9/28/2016	La-140	-1.89E-02	2.04E-02	4.86E-02	U
AP	02	409457002	9/28/2016	Mn-54	1.43E-04	1.24E-04	4.65E-04	U
AP	02	409457002	9/28/2016	Nb-95	-1.56E-05	3.08E-04	8.78E-04	U
AP	02	409457002	9/28/2016	Ru-103	9.36E-05	4.32E-04	1.47E-03	U
AP	02	409457002	9/28/2016	Ru-106	2.67E-04	9.61E-04	3.28E-03	U
AP	02	409457002	9/28/2016	Sb-124	3.98E-04	6.98E-04	2.66E-03	U
AP	02	409457002	9/28/2016	Sb-125	-2.11E-05	3.14E-04	1.03E-03	U
AP	02	409457002	9/28/2016	Se-75	3.00E-04	2.10E-04	7.40E-04	U
AP	02	409457002	9/28/2016	Th-228	5.78E-04	3.51E-04	8.38E-04	U
AP	02	409457002	9/28/2016	Zn-65	-2.05E-04	3.80E-04	1.07E-03	U
AP	02	409457002	9/28/2016	Zr-95	5.95E-04	7.10E-04	2.48E-03	U
AP	02	408342002	10/12/2016	BETA	1.79E-02	9.80E-04	6.61E-04	
AP	02	409323002	10/26/2016	BETA	1.91E-02	1.02E-03	7.13E-04	
AP	02	410535002	11/8/2016	BETA	1.40E-02	8.95E-04	7.29E-04	
AP	02	411356002	11/23/2016	BETA	1.61E-02	9.10E-04	6.46E-04	

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m^3)	STD.DEV. (pCi/m^3)	MDC (pCi/m^3)	FLAGS
AP	02	412445002	12/7/2016	BETA	1.86E-02	1.18E-03	9.69E-04	
AP	02	413222002	12/21/2016	BETA	2.54E-02	1.13E-03	6.52E-04	
AP	02	414339002	12/21/2016	Ac-228	1.69E-04	6.39E-04	2.29E-03	U
AP	02	414339002	12/21/2016	Ag-108m	9.62E-05	1.05E-04	3.77E-04	U
AP	02	414339002	12/21/2016	Ag-110m	-3.36E-04	2.58E-04	5.91E-04	U
AP	02	414339002	12/21/2016	Ba-140	-4.63E-03	1.98E-02	6.32E-02	U
AP	02	414339002	12/21/2016	Be-7	8.20E-02	7.60E-03	6.55E-03	
AP	02	414339002	12/21/2016	Ce-141	-2.75E-04	5.76E-04	1.91E-03	U
AP	02	414339002	12/21/2016	Ce-144	-1.47E-04	7.74E-04	2.36E-03	U
AP	02	414339002	12/21/2016	Co-57	6.77E-06	7.71E-05	2.67E-04	U
AP	02	414339002	12/21/2016	Co-58	-4.42E-05	2.24E-04	6.06E-04	U
AP	02	414339002	12/21/2016	Co-60	-9.07E-05	1.53E-04	4.50E-04	U
AP	02	414339002	12/21/2016	Cr-51	6.42E-03	5.36E-03	1.90E-02	U
AP	02	414339002	12/21/2016	Cs-134	-1.28E-04	1.65E-04	4.52E-04	U
AP	02	414339002	12/21/2016	Cs-137	3.04E-04	1.74E-04	6.33E-04	U
AP	02	414339002	12/21/2016	Fe-59	1.12E-03	7.50E-04	2.93E-03	U
AP	02	414339002	12/21/2016	I-131	2.82E-02	3.99E-02	1.41E-01	U
AP	02	414339002	12/21/2016	K-40	3.23E-03	2.38E-03	9.69E-03	U
AP	02	414339002	12/21/2016	La-140	-1.23E-03	7.58E-03	2.45E-02	U
AP	02	414339002	12/21/2016	Mn-54	7.41E-05	1.74E-04	5.92E-04	U
AP	02	414339002	12/21/2016	Nb-95	-1.72E-04	3.46E-04	1.07E-03	U
AP	02	414339002	12/21/2016	Ru-103	-1.15E-04	3.63E-04	1.15E-03	U
AP	02	414339002	12/21/2016	Ru-106	2.15E-03	1.72E-03	6.11E-03	U
AP	02	414339002	12/21/2016	Sb-124	-2.10E-05	8.82E-04	3.34E-03	U
AP	02	414339002	12/21/2016	Sb-125	1.32E-03	6.41E-04	1.49E-03	U
AP	02	414339002	12/21/2016	Se-75	5.83E-05	2.43E-04	8.30E-04	U
AP	02	414339002	12/21/2016	Th-228	4.89E-04	3.28E-04	9.79E-04	U
AP	02	414339002	12/21/2016	Zn-65	-1.83E-04	3.79E-04	1.08E-03	U
AP	02	414339002	12/21/2016	Zr-95	-5.41E-04	5.18E-04	1.33E-03	U
AP	03	388988003	1/6/2016	BETA	2.09E-02	1.05E-03	7.22E-04	
AP	03	389867003	1/20/2016	BETA	1.84E-02	9.91E-04	6.77E-04	
AP	03	390815003	2/3/2016	BETA	1.67E-02	9.49E-04	7.38E-04	
AP	03	391690003	2/17/2016	BETA	1.79E-02	9.75E-04	6.55E-04	
AP	03	392592003	3/1/2016	BETA	2.15E-02	1.12E-03	7.62E-04	
AP	03	393488003	3/16/2016	BETA	1.67E-02	9.14E-04	6.41E-04	
AP	03	394179003	3/30/2016	BETA	1.10E-02	7.74E-04	7.30E-04	
AP	03	396307003	3/30/2016	Ac-228	6.29E-04	7.19E-04	2.61E-03	U
AP	03	396307003	3/30/2016	Ag-108m	9.71E-06	1.04E-04	3.38E-04	U
AP	03	396307003	3/30/2016	Ag-110m	5.79E-05	2.38E-04	8.04E-04	U
AP	03	396307003	3/30/2016	Ba-140	1.32E-02	4.47E-02	1.58E-01	U
AP	03	396307003	3/30/2016	Be-7	9.04E-02	9.03E-03	1.05E-02	
AP	03	396307003	3/30/2016	Ce-141	-5.44E-04	8.65E-04	2.69E-03	U
AP	03	396307003	3/30/2016	Ce-144	-1.91E-03	7.93E-04	1.83E-03	U
AP	03	396307003	3/30/2016	Co-57	1.32E-04	9.26E-05	3.13E-04	U
AP	03	396307003	3/30/2016	Co-58	2.22E-04	3.10E-04	1.10E-03	U
AP	03	396307003	3/30/2016	Co-60	-3.42E-05	1.54E-04	4.96E-04	U
AP	03	396307003	3/30/2016	Cr-51	-6.46E-03	8.74E-03	2.68E-02	U
AP	03	396307003	3/30/2016	Cs-134	5.43E-06	1.58E-04	5.25E-04	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m^3)	STD.DEV. (pCi/m^3)	MDC (pCi/m^3)	FLAGS
AP	03	396307003	3/30/2016	Cs-137	8.19E-05	1.49E-04	5.21E-04	U
AP	03	396307003	3/30/2016	Fe-59	-2.20E-04	1.03E-03	3.22E-03	U
AP	03	396307003	3/30/2016	I-131	0.00E+00	1.99E-01	0.00E+00	UI
AP	03	396307003	3/30/2016	K-40	-9.13E-04	1.81E-03	6.49E-03	U
AP	03	396307003	3/30/2016	La-140	3.59E-04	1.35E-02	4.51E-02	U
AP	03	396307003	3/30/2016	Mn-54	-1.18E-04	1.35E-04	3.72E-04	U
AP	03	396307003	3/30/2016	Nb-95	-8.68E-05	2.92E-04	9.27E-04	U
AP	03	396307003	3/30/2016	Ru-103	4.07E-04	5.70E-04	1.92E-03	U
AP	03	396307003	3/30/2016	Ru-106	-4.44E-04	1.42E-03	4.60E-03	U
AP	03	396307003	3/30/2016	Sb-124	-3.49E-04	8.04E-04	2.37E-03	U
AP	03	396307003	3/30/2016	Sb-125	6.42E-04	3.32E-04	1.16E-03	U
AP	03	396307003	3/30/2016	Se-75	-1.46E-04	2.23E-04	6.93E-04	U
AP	03	396307003	3/30/2016	Th-228	3.08E-04	2.55E-04	5.55E-04	U
AP	03	396307003	3/30/2016	Zn-65	3.27E-04	5.32E-04	1.82E-03	U
AP	03	396307003	3/30/2016	Zr-95	5.09E-05	4.82E-04	1.62E-03	U
AP	03	395510003	4/13/2016	BETA	1.88E-02	1.01E-03	6.69E-04	
AP	03	396329003	4/27/2016	BETA	1.72E-02	9.39E-04	6.47E-04	
AP	03	397481003	5/11/2016	BETA	7.77E-03	6.40E-04	6.23E-04	M
AP	03	398362003	5/24/2016	BETA	1.62E-02	9.55E-04	7.10E-04	
AP	03	399253003	6/8/2016	BETA	1.49E-02	8.57E-04	6.34E-04	
AP	03	400149003	6/22/2016	BETA	1.11E-02	7.72E-04	6.84E-04	
AP	03	402845003	6/22/2016	Ac-228	8.07E-05	1.18E-03	3.18E-03	U
AP	03	402845003	6/22/2016	Ag-108m	5.23E-05	1.37E-04	4.62E-04	U
AP	03	402845003	6/22/2016	Ag-110m	-4.40E-04	3.42E-04	9.37E-04	U
AP	03	402845003	6/22/2016	Ba-140	-3.87E-02	9.23E-02	2.87E-01	U
AP	03	402845003	6/22/2016	Be-7	1.05E-01	1.17E-02	1.31E-02	
AP	03	402845003	6/22/2016	Ce-141	-3.83E-04	1.31E-03	4.13E-03	U
AP	03	402845003	6/22/2016	Ce-144	-1.89E-04	9.75E-04	3.10E-03	U
AP	03	402845003	6/22/2016	Co-57	2.43E-05	1.09E-04	3.57E-04	U
AP	03	402845003	6/22/2016	Co-58	8.96E-05	3.52E-04	1.17E-03	U
AP	03	402845003	6/22/2016	Co-60	3.73E-05	1.93E-04	6.54E-04	U
AP	03	402845003	6/22/2016	Cr-51	-7.29E-03	1.17E-02	3.67E-02	U
AP	03	402845003	6/22/2016	Cs-134	3.01E-04	1.78E-04	6.54E-04	U
AP	03	402845003	6/22/2016	Cs-137	9.70E-05	1.71E-04	5.83E-04	U
AP	03	402845003	6/22/2016	Fe-59	-2.86E-04	1.35E-03	4.37E-03	U
AP	03	402845003	6/22/2016	I-131	0.00E+00	6.97E-01	0.00E+00	UI
AP	03	402845003	6/22/2016	K-40	0.00E+00	2.47E-03	4.74E-03	U
AP	03	402845003	6/22/2016	La-140	-1.60E-02	3.77E-02	1.12E-01	U
AP	03	402845003	6/22/2016	Mn-54	-1.11E-05	1.78E-04	5.93E-04	U
AP	03	402845003	6/22/2016	Nb-95	-3.58E-04	4.47E-04	1.27E-03	U
AP	03	402845003	6/22/2016	Ru-103	-1.93E-03	8.94E-04	1.88E-03	U
AP	03	402845003	6/22/2016	Ru-106	2.10E-03	1.60E-03	5.67E-03	U
AP	03	402845003	6/22/2016	Sb-124	-1.33E-03	9.01E-04	9.60E-04	U
AP	03	402845003	6/22/2016	Sb-125	-2.71E-04	4.04E-04	1.24E-03	U
AP	03	402845003	6/22/2016	Se-75	-1.35E-04	3.08E-04	1.00E-03	U
AP	03	402845003	6/22/2016	Th-228	0.00E+00	4.63E-04	9.23E-04	U
AP	03	402845003	6/22/2016	Zn-65	4.96E-04	5.62E-04	2.00E-03	U
AP	03	402845003	6/22/2016	Zr-95	-8.26E-05	9.67E-04	3.09E-03	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m^3)	STD.DEV. (pCi/m^3)	MDC (pCi/m^3)	FLAGS
AP	03	401222003	7/6/2016	BETA	1.70E-02	9.55E-04	7.08E-04	
AP	03	402111003	7/19/2016	BETA	1.69E-02	1.02E-03	7.82E-04	
AP	03	403263003	8/3/2016	BETA	2.09E-02	1.03E-03	6.63E-04	
AP	03	404118003	8/17/2016	BETA	1.93E-02	1.02E-03	6.72E-04	
AP	03	405188003	8/31/2016	BETA	2.31E-02	1.12E-03	7.36E-04	
AP	03	406287003	9/16/2016	BETA	2.13E-02	1.00E-03	6.54E-04	
AP	03	407093003	9/28/2016	BETA	2.48E-02	1.24E-03	7.68E-04	
AP	03	409457003	9/28/2016	Ac-228	9.63E-05	5.59E-04	2.10E-03	U
AP	03	409457003	9/28/2016	Ag-108m	1.40E-05	1.01E-04	3.34E-04	U
AP	03	409457003	9/28/2016	Ag-110m	-3.02E-04	2.66E-04	7.31E-04	U
AP	03	409457003	9/28/2016	Ba-140	1.18E-01	8.68E-02	2.98E-01	U
AP	03	409457003	9/28/2016	Be-7	1.17E-01	1.10E-02	1.01E-02	
AP	03	409457003	9/28/2016	Ce-141	5.84E-04	1.91E-03	2.91E-03	U
AP	03	409457003	9/28/2016	Ce-144	2.97E-04	7.59E-04	2.43E-03	U
AP	03	409457003	9/28/2016	Co-57	9.94E-05	8.80E-05	2.90E-04	U
AP	03	409457003	9/28/2016	Co-58	1.53E-04	3.41E-04	1.19E-03	U
AP	03	409457003	9/28/2016	Co-60	3.27E-05	1.62E-04	5.39E-04	U
AP	03	409457003	9/28/2016	Cr-51	-1.47E-02	1.02E-02	2.83E-02	U
AP	03	409457003	9/28/2016	Cs-134	1.04E-04	1.87E-04	6.35E-04	U
AP	03	409457003	9/28/2016	Cs-137	9.38E-05	1.41E-04	4.86E-04	U
AP	03	409457003	9/28/2016	Fe-59	6.56E-04	1.13E-03	3.95E-03	U
AP	03	409457003	9/28/2016	I-131	0.00E+00	4.13E-01	0.00E+00	UI
AP	03	409457003	9/28/2016	K-40	3.02E-03	3.40E-03	6.54E-03	U
AP	03	409457003	9/28/2016	La-140	-2.58E-02	3.17E-02	9.09E-02	U
AP	03	409457003	9/28/2016	Mn-54	1.29E-04	1.44E-04	5.26E-04	U
AP	03	409457003	9/28/2016	Nb-95	-1.70E-04	3.77E-04	1.26E-03	U
AP	03	409457003	9/28/2016	Ru-103	9.56E-04	6.56E-04	2.28E-03	U
AP	03	409457003	9/28/2016	Ru-106	-1.43E-03	1.46E-03	3.93E-03	U
AP	03	409457003	9/28/2016	Sb-124	-2.55E-03	1.26E-03	1.81E-03	U
AP	03	409457003	9/28/2016	Sb-125	-7.44E-04	3.89E-04	8.81E-04	U
AP	03	409457003	9/28/2016	Se-75	-8.45E-05	2.40E-04	7.83E-04	U
AP	03	409457003	9/28/2016	Th-228	5.05E-04	2.56E-04	8.37E-04	U
AP	03	409457003	9/28/2016	Zn-65	-8.45E-04	4.69E-04	9.62E-04	U
AP	03	409457003	9/28/2016	Zr-95	3.01E-04	6.06E-04	2.14E-03	U
AP	03	408342003	10/12/2016	BETA	1.83E-02	9.82E-04	6.50E-04	
AP	03	409323003	10/26/2016	BETA	1.75E-02	9.72E-04	7.07E-04	
AP	03	410535003	11/8/2016	BETA	1.24E-02	8.39E-04	7.21E-04	
AP	03	411356003	11/23/2016	BETA	1.70E-02	9.31E-04	6.43E-04	
AP	03	412445003	12/7/2016	BETA	1.25E-02	8.24E-04	7.04E-04	
AP	03	413222003	12/21/2016	BETA	2.42E-02	1.14E-03	7.00E-04	
AP	03	414339003	12/21/2016	Ac-228	-5.85E-04	8.64E-04	2.79E-03	U
AP	03	414339003	12/21/2016	Ag-108m	-1.01E-04	1.29E-04	3.90E-04	U
AP	03	414339003	12/21/2016	Ag-110m	-2.97E-04	3.16E-04	7.95E-04	U
AP	03	414339003	12/21/2016	Ba-140	-1.13E-02	1.96E-02	5.91E-02	U
AP	03	414339003	12/21/2016	Be-7	8.20E-02	1.03E-02	8.35E-03	
AP	03	414339003	12/21/2016	Ce-141	-9.56E-04	7.90E-04	2.22E-03	U
AP	03	414339003	12/21/2016	Ce-144	3.06E-04	6.99E-04	2.39E-03	U
AP	03	414339003	12/21/2016	Co-57	3.96E-05	8.95E-05	2.88E-04	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m^3)	STD.DEV. (pCi/m^3)	MDC (pCi/m^3)	FLAGS
AP	03	414339003	12/21/2016	Co-58	1.15E-04	1.18E-04	5.34E-04	U
AP	03	414339003	12/21/2016	Co-60	1.12E-04	2.19E-04	8.05E-04	U
AP	03	414339003	12/21/2016	Cr-51	5.93E-03	7.54E-03	2.51E-02	U
AP	03	414339003	12/21/2016	Cs-134	2.82E-04	2.14E-04	8.11E-04	U
AP	03	414339003	12/21/2016	Cs-137	1.06E-04	1.11E-04	4.37E-04	U
AP	03	414339003	12/21/2016	Fe-59	-6.74E-04	7.69E-04	1.93E-03	U
AP	03	414339003	12/21/2016	I-131	3.92E-02	4.11E-02	1.45E-01	U
AP	03	414339003	12/21/2016	K-40	3.73E-03	3.09E-03	1.30E-02	U
AP	03	414339003	12/21/2016	La-140	-1.26E-06	1.03E-02	3.39E-02	U
AP	03	414339003	12/21/2016	Mn-54	-8.91E-06	1.44E-04	4.58E-04	U
AP	03	414339003	12/21/2016	Nb-95	-2.27E-04	4.14E-04	1.23E-03	U
AP	03	414339003	12/21/2016	Ru-103	2.46E-05	4.76E-04	1.62E-03	U
AP	03	414339003	12/21/2016	Ru-106	1.60E-03	1.19E-03	4.75E-03	U
AP	03	414339003	12/21/2016	Sb-124	5.65E-04	5.80E-04	2.63E-03	U
AP	03	414339003	12/21/2016	Sb-125	5.49E-04	4.40E-04	1.62E-03	U
AP	03	414339003	12/21/2016	Se-75	3.72E-04	2.33E-04	8.19E-04	U
AP	03	414339003	12/21/2016	Th-228	0.00E+00	3.29E-04	5.57E-04	U
AP	03	414339003	12/21/2016	Zn-65	-1.26E-03	7.84E-04	1.28E-03	U
AP	03	414339003	12/21/2016	Zr-95	3.42E-04	6.75E-04	2.34E-03	U
AP	04	388988004	1/6/2016	BETA	2.32E-02	1.11E-03	7.26E-04	
AP	04	389867004	1/20/2016	BETA	1.70E-02	9.53E-04	6.78E-04	
AP	04	390815004	2/3/2016	BETA	1.66E-02	9.56E-04	7.54E-04	
AP	04	391690004	2/17/2016	BETA	1.85E-02	1.00E-03	6.67E-04	
AP	04	392592004	3/1/2016	BETA	2.06E-02	1.12E-03	7.98E-04	
AP	04	393488004	3/16/2016	BETA	1.85E-02	1.01E-03	7.11E-04	
AP	04	394179004	3/30/2016	BETA	1.22E-02	8.58E-04	8.09E-04	
AP	04	396307004	3/30/2016	Ac-228	-8.96E-04	5.89E-04	1.54E-03	U
AP	04	396307004	3/30/2016	Ag-108m	-7.68E-05	1.14E-04	3.43E-04	U
AP	04	396307004	3/30/2016	Ag-110m	5.19E-04	3.02E-04	1.09E-03	U
AP	04	396307004	3/30/2016	Ba-140	-2.04E-02	4.80E-02	1.46E-01	U
AP	04	396307004	3/30/2016	Be-7	8.48E-02	9.01E-03	9.88E-03	
AP	04	396307004	3/30/2016	Ce-141	1.17E-03	8.32E-04	2.80E-03	U
AP	04	396307004	3/30/2016	Ce-144	-1.15E-04	6.08E-04	1.93E-03	U
AP	04	396307004	3/30/2016	Co-57	-8.47E-05	8.70E-05	2.54E-04	U
AP	04	396307004	3/30/2016	Co-58	3.05E-04	2.56E-04	9.59E-04	U
AP	04	396307004	3/30/2016	Co-60	-1.08E-05	1.10E-04	3.59E-04	U
AP	04	396307004	3/30/2016	Cr-51	-4.22E-03	7.14E-03	2.23E-02	U
AP	04	396307004	3/30/2016	Cs-134	-7.81E-05	1.32E-04	3.91E-04	U
AP	04	396307004	3/30/2016	Cs-137	2.96E-06	1.31E-04	4.39E-04	U
AP	04	396307004	3/30/2016	Fe-59	-2.06E-03	1.07E-03	1.47E-03	U
AP	04	396307004	3/30/2016	I-131	0.00E+00	2.00E-01	0.00E+00	UI
AP	04	396307004	3/30/2016	K-40	6.45E-03	3.13E-03	1.15E-02	U
AP	04	396307004	3/30/2016	La-140	7.35E-03	2.00E-02	7.00E-02	U
AP	04	396307004	3/30/2016	Mn-54	1.71E-05	1.59E-04	5.33E-04	U
AP	04	396307004	3/30/2016	Nb-95	-6.18E-04	3.29E-04	6.52E-04	U
AP	04	396307004	3/30/2016	Ru-103	1.13E-03	1.42E-03	1.82E-03	U
AP	04	396307004	3/30/2016	Ru-106	-2.78E-04	1.03E-03	3.33E-03	U
AP	04	396307004	3/30/2016	Sb-124	-1.03E-05	5.63E-04	1.83E-03	U
AP	04	396307004	3/30/2016	Sb-125	-2.88E-04	4.06E-04	1.23E-03	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m^3)	STD.DEV. (pCi/m^3)	MDC (pCi/m^3)	FLAGS
AP	04	396307004	3/30/2016	Se-75	3.30E-04	2.65E-04	9.18E-04	U
AP	04	396307004	3/30/2016	Th-228	0.00E+00	3.27E-04	8.51E-04	U
AP	04	396307004	3/30/2016	Zn-65	-6.41E-04	4.51E-04	1.01E-03	U
AP	04	396307004	3/30/2016	Zr-95	7.08E-04	6.01E-04	2.23E-03	U
AP	04	395510004	4/13/2016	BETA	1.95E-02	1.02E-03	6.69E-04	
AP	04	396329004	4/27/2016	BETA	2.16E-02	1.05E-03	6.52E-04	
AP	04	397481004	5/11/2016	BETA	1.04E-02	7.27E-04	6.13E-04	
AP	04	398362004	5/24/2016	BETA	1.87E-02	1.02E-03	7.00E-04	
AP	04	399253004	6/8/2016	BETA	1.71E-02	9.19E-04	6.34E-04	
AP	04	400149004	6/22/2016	BETA	1.27E-02	8.12E-04	6.69E-04	
AP	04	402845004	6/22/2016	Ac-228	6.04E-04	6.25E-04	2.31E-03	U
AP	04	402845004	6/22/2016	Ag-108m	-1.13E-04	1.00E-04	2.77E-04	U
AP	04	402845004	6/22/2016	Ag-110m	3.41E-04	1.86E-04	7.24E-04	U
AP	04	402845004	6/22/2016	Ba-140	-2.43E-02	8.21E-02	2.58E-01	U
AP	04	402845004	6/22/2016	Be-7	1.08E-01	1.05E-02	1.22E-02	
AP	04	402845004	6/22/2016	Ce-141	-3.88E-04	1.19E-03	3.71E-03	U
AP	04	402845004	6/22/2016	Ce-144	7.10E-04	6.43E-04	2.45E-03	U
AP	04	402845004	6/22/2016	Co-57	4.60E-05	9.25E-05	3.07E-04	U
AP	04	402845004	6/22/2016	Co-58	1.53E-04	3.35E-04	1.16E-03	U
AP	04	402845004	6/22/2016	Co-60	-4.41E-05	1.56E-04	4.93E-04	U
AP	04	402845004	6/22/2016	Cr-51	1.37E-03	9.99E-03	3.34E-02	U
AP	04	402845004	6/22/2016	Cs-134	-7.18E-05	1.21E-04	3.57E-04	U
AP	04	402845004	6/22/2016	Cs-137	2.59E-05	1.33E-04	4.54E-04	U
AP	04	402845004	6/22/2016	Fe-59	1.96E-03	1.18E-03	4.45E-03	U
AP	04	402845004	6/22/2016	I-131	0.00E+00	4.89E-01	0.00E+00	UI
AP	04	402845004	6/22/2016	K-40	1.14E-03	1.88E-03	7.28E-03	U
AP	04	402845004	6/22/2016	La-140	-7.56E-03	2.32E-02	6.86E-02	U
AP	04	402845004	6/22/2016	Mn-54	7.83E-05	1.57E-04	5.44E-04	U
AP	04	402845004	6/22/2016	Nb-95	5.32E-04	3.34E-04	1.23E-03	U
AP	04	402845004	6/22/2016	Ru-103	-8.94E-06	5.68E-04	1.83E-03	U
AP	04	402845004	6/22/2016	Ru-106	8.77E-04	1.40E-03	4.90E-03	U
AP	04	402845004	6/22/2016	Sb-124	-4.53E-04	9.24E-04	2.63E-03	U
AP	04	402845004	6/22/2016	Sb-125	2.69E-04	3.49E-04	1.19E-03	U
AP	04	402845004	6/22/2016	Se-75	2.00E-06	2.50E-04	8.37E-04	U
AP	04	402845004	6/22/2016	Th-228	4.00E-05	2.19E-04	6.90E-04	U
AP	04	402845004	6/22/2016	Zn-65	-5.09E-04	3.58E-04	7.32E-04	U
AP	04	402845004	6/22/2016	Zr-95	-1.42E-04	7.01E-04	2.27E-03	U
AP	04	401222004	7/6/2016	BETA	2.01E-02	1.04E-03	7.06E-04	
AP	04	402111004	7/19/2016	BETA	1.72E-02	9.87E-04	7.24E-04	
AP	04	403263004	8/3/2016	BETA	2.26E-02	1.06E-03	6.52E-04	
AP	04	404118004	8/17/2016	BETA	2.37E-02	1.12E-03	6.58E-04	
AP	04	405188004	8/31/2016	BETA	2.43E-02	1.12E-03	7.09E-04	
AP	04	406287004	9/16/2016	BETA	2.22E-02	1.01E-03	6.40E-04	
AP	04	407093004	9/28/2016	BETA	2.09E-02	1.17E-03	8.20E-04	
AP	04	409457004	9/28/2016	Ac-228	9.62E-05	5.03E-04	1.76E-03	U
AP	04	409457004	9/28/2016	Ag-108m	-2.89E-05	9.00E-05	2.89E-04	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m^3)	STD.DEV. (pCi/m^3)	MDC (pCi/m^3)	FLAGS
AP	04	409457004	9/28/2016	Ag-110m	1.05E-04	2.02E-04	7.17E-04	U
AP	04	409457004	9/28/2016	Ba-140	-1.95E-02	5.20E-02	1.62E-01	U
AP	04	409457004	9/28/2016	Be-7	1.26E-01	1.07E-02	9.21E-03	
AP	04	409457004	9/28/2016	Ce-141	6.26E-04	8.48E-04	2.81E-03	U
AP	04	409457004	9/28/2016	Ce-144	2.28E-04	5.94E-04	1.95E-03	U
AP	04	409457004	9/28/2016	Co-57	7.26E-05	7.63E-05	2.57E-04	U
AP	04	409457004	9/28/2016	Co-58	-1.97E-04	2.41E-04	7.15E-04	U
AP	04	409457004	9/28/2016	Co-60	-2.78E-04	1.39E-04	1.26E-04	U
AP	04	409457004	9/28/2016	Cr-51	-6.69E-03	7.15E-03	2.18E-02	U
AP	04	409457004	9/28/2016	Cs-134	3.84E-06	9.48E-05	3.03E-04	U
AP	04	409457004	9/28/2016	Cs-137	-8.26E-05	1.05E-04	2.92E-04	U
AP	04	409457004	9/28/2016	Fe-59	3.43E-04	1.02E-03	3.51E-03	U
AP	04	409457004	9/28/2016	I-131	0.00E+00	3.06E-01	0.00E+00	UI
AP	04	409457004	9/28/2016	K-40	4.17E-03	3.00E-03	5.69E-03	U
AP	04	409457004	9/28/2016	La-140	-2.31E-02	2.33E-02	5.48E-02	U
AP	04	409457004	9/28/2016	Mn-54	-3.48E-05	1.40E-04	4.00E-04	U
AP	04	409457004	9/28/2016	Nb-95	-1.55E-04	2.99E-04	8.75E-04	U
AP	04	409457004	9/28/2016	Ru-103	7.18E-04	3.94E-04	1.46E-03	U
AP	04	409457004	9/28/2016	Ru-106	-1.55E-03	1.32E-03	3.51E-03	U
AP	04	409457004	9/28/2016	Sb-124	1.55E-04	7.81E-04	2.62E-03	U
AP	04	409457004	9/28/2016	Sb-125	-5.92E-04	3.41E-04	7.78E-04	U
AP	04	409457004	9/28/2016	Se-75	1.87E-05	1.88E-04	6.47E-04	U
AP	04	409457004	9/28/2016	Th-228	2.09E-04	2.45E-04	6.27E-04	U
AP	04	409457004	9/28/2016	Zn-65	1.23E-06	1.94E-04	6.44E-04	U
AP	04	409457004	9/28/2016	Zr-95	-3.26E-04	5.37E-04	1.54E-03	U
AP	04	408342004	10/12/2016	BETA	1.89E-02	9.82E-04	6.29E-04	
AP	04	409323004	10/26/2016	BETA	2.00E-02	1.02E-03	6.79E-04	
AP	04	410535004	11/8/2016	BETA	1.40E-02	8.79E-04	7.00E-04	
AP	04	411356004	11/23/2016	BETA	1.42E-02	8.12E-04	5.84E-04	
AP	04	412445004	12/7/2016	BETA	1.48E-02	8.50E-04	6.38E-04	
AP	04	413222004	12/21/2016	BETA	2.34E-02	1.08E-03	6.47E-04	
AP	04	414339004	12/21/2016	Ac-228	-5.37E-04	5.88E-04	1.63E-03	U
AP	04	414339004	12/21/2016	Ag-108m	-1.35E-04	9.19E-05	2.11E-04	U
AP	04	414339004	12/21/2016	Ag-110m	5.30E-05	1.86E-04	6.36E-04	U
AP	04	414339004	12/21/2016	Ba-140	1.15E-02	1.16E-02	4.42E-02	U
AP	04	414339004	12/21/2016	Be-7	8.57E-02	8.44E-03	6.44E-03	
AP	04	414339004	12/21/2016	Ce-141	-4.47E-04	4.43E-04	1.37E-03	U
AP	04	414339004	12/21/2016	Ce-144	1.51E-04	5.03E-04	1.76E-03	U
AP	04	414339004	12/21/2016	Co-57	-5.28E-05	7.16E-05	2.04E-04	U
AP	04	414339004	12/21/2016	Co-58	-2.70E-04	2.41E-04	6.23E-04	U
AP	04	414339004	12/21/2016	Co-60	-4.27E-05	1.43E-04	4.49E-04	U
AP	04	414339004	12/21/2016	Cr-51	5.29E-03	5.06E-03	1.75E-02	U
AP	04	414339004	12/21/2016	Cs-134	2.68E-05	1.69E-04	5.68E-04	U
AP	04	414339004	12/21/2016	Cs-137	-1.10E-04	1.46E-04	4.38E-04	U
AP	04	414339004	12/21/2016	Fe-59	1.17E-04	6.38E-04	2.12E-03	U
AP	04	414339004	12/21/2016	I-131	-3.35E-02	4.39E-02	1.30E-01	U
AP	04	414339004	12/21/2016	K-40	2.31E-03	2.24E-03	8.61E-03	U
AP	04	414339004	12/21/2016	La-140	-3.99E-04	5.76E-03	1.86E-02	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m^3)	STD.DEV. (pCi/m^3)	MDC (pCi/m^3)	FLAGS
AP	04	414339004	12/21/2016	Mn-54	1.69E-04	1.59E-04	5.74E-04	U
AP	04	414339004	12/21/2016	Nb-95	3.72E-04	3.10E-04	1.11E-03	U
AP	04	414339004	12/21/2016	Ru-103	6.41E-05	2.92E-04	9.58E-04	U
AP	04	414339004	12/21/2016	Ru-106	1.76E-03	1.24E-03	4.58E-03	U
AP	04	414339004	12/21/2016	Sb-124	3.13E-04	5.70E-04	2.13E-03	U
AP	04	414339004	12/21/2016	Sb-125	4.48E-05	3.07E-04	1.00E-03	U
AP	04	414339004	12/21/2016	Se-75	3.25E-04	1.84E-04	6.45E-04	U
AP	04	414339004	12/21/2016	Th-228	4.62E-04	2.60E-04	6.56E-04	U
AP	04	414339004	12/21/2016	Zn-65	7.42E-04	4.72E-04	1.71E-03	U
AP	04	414339004	12/21/2016	Zr-95	2.61E-04	4.94E-04	1.73E-03	U
AP	05	388988005	1/6/2016	BETA	2.08E-02	1.10E-03	7.84E-04	
AP	05	389867005	1/20/2016	BETA	1.81E-02	1.02E-03	7.32E-04	
AP	05	390815005	2/3/2016	BETA	1.31E-02	8.86E-04	8.08E-04	
AP	05	391690005	2/17/2016	BETA	1.57E-02	9.49E-04	7.07E-04	
AP	05	392592005	3/1/2016	BETA	1.80E-02	1.08E-03	8.36E-04	
AP	05	393488005	3/16/2016	BETA	1.76E-02	9.80E-04	7.00E-04	
AP	05	394179005	3/30/2016	BETA	1.11E-02	8.21E-04	8.07E-04	
AP	05	396307005	3/30/2016	Ac-228	1.04E-03	7.88E-04	3.00E-03	U
AP	05	396307005	3/30/2016	Ag-108m	7.06E-05	1.60E-04	5.48E-04	U
AP	05	396307005	3/30/2016	Ag-110m	4.58E-04	3.24E-04	1.17E-03	U
AP	05	396307005	3/30/2016	Ba-140	4.37E-03	4.74E-02	1.59E-01	U
AP	05	396307005	3/30/2016	Be-7	9.19E-02	9.22E-03	9.18E-03	
AP	05	396307005	3/30/2016	Ce-141	-1.64E-03	1.15E-03	3.38E-03	U
AP	05	396307005	3/30/2016	Ce-144	1.97E-04	8.06E-04	2.76E-03	U
AP	05	396307005	3/30/2016	Co-57	2.01E-04	1.11E-04	3.76E-04	U
AP	05	396307005	3/30/2016	Co-58	5.96E-05	2.36E-04	8.24E-04	U
AP	05	396307005	3/30/2016	Co-60	3.02E-04	2.04E-04	7.70E-04	U
AP	05	396307005	3/30/2016	Cr-51	-1.27E-02	1.02E-02	2.83E-02	U
AP	05	396307005	3/30/2016	Cs-134	3.25E-04	2.21E-04	7.99E-04	U
AP	05	396307005	3/30/2016	Cs-137	4.34E-05	1.81E-04	6.02E-04	U
AP	05	396307005	3/30/2016	Fe-59	3.11E-04	1.13E-03	3.84E-03	U
AP	05	396307005	3/30/2016	I-131	0.00E+00	2.64E-01	0.00E+00	UI
AP	05	396307005	3/30/2016	K-40	-7.15E-04	2.11E-03	7.79E-03	U
AP	05	396307005	3/30/2016	La-140	2.16E-02	1.79E-02	7.11E-02	U
AP	05	396307005	3/30/2016	Mn-54	-3.69E-04	2.10E-04	4.79E-04	U
AP	05	396307005	3/30/2016	Nb-95	5.76E-04	4.33E-04	1.53E-03	U
AP	05	396307005	3/30/2016	Ru-103	-8.10E-04	6.16E-04	1.68E-03	U
AP	05	396307005	3/30/2016	Ru-106	2.70E-03	1.82E-03	6.39E-03	U
AP	05	396307005	3/30/2016	Sb-124	-4.22E-04	1.25E-03	3.87E-03	U
AP	05	396307005	3/30/2016	Sb-125	-6.34E-04	5.01E-04	1.45E-03	U
AP	05	396307005	3/30/2016	Se-75	-1.00E-04	2.54E-04	8.02E-04	U
AP	05	396307005	3/30/2016	Th-228	5.35E-04	4.84E-04	1.02E-03	U
AP	05	396307005	3/30/2016	Zn-65	-4.81E-04	5.66E-04	1.62E-03	U
AP	05	396307005	3/30/2016	Zr-95	-5.89E-04	7.36E-04	2.10E-03	U
AP	05	395510005	4/13/2016	BETA	2.11E-02	1.12E-03	7.43E-04	
AP	05	396329005	4/27/2016	BETA	1.93E-02	1.00E-03	6.57E-04	
AP	05	397481005	5/11/2016	BETA	6.73E-03	6.06E-04	6.37E-04	M
AP	05	398362005	5/24/2016	BETA	1.69E-02	9.87E-04	7.27E-04	

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m^3)	STD.DEV. (pCi/m^3)	MDC (pCi/m^3)	FLAGS
AP	05	399253005	6/8/2016	BETA	1.44E-02	8.55E-04	6.51E-04	
AP	05	400149005	6/22/2016	BETA	1.27E-02	8.40E-04	7.11E-04	
AP	05	402845005	6/22/2016	Ac-228	-7.15E-04	6.18E-04	1.81E-03	U
AP	05	402845005	6/22/2016	Ag-108m	8.38E-05	1.20E-04	4.07E-04	U
AP	05	402845005	6/22/2016	Ag-110m	1.41E-04	2.43E-04	8.41E-04	U
AP	05	402845005	6/22/2016	Ba-140	6.98E-02	7.81E-02	2.70E-01	U
AP	05	402845005	6/22/2016	Be-7	1.04E-01	1.01E-02	9.71E-03	
AP	05	402845005	6/22/2016	Ce-141	-1.27E-03	1.24E-03	3.68E-03	U
AP	05	402845005	6/22/2016	Ce-144	3.95E-04	6.62E-04	2.22E-03	U
AP	05	402845005	6/22/2016	Co-57	-6.70E-05	9.81E-05	3.03E-04	U
AP	05	402845005	6/22/2016	Co-58	1.69E-04	3.11E-04	1.08E-03	U
AP	05	402845005	6/22/2016	Co-60	1.08E-04	1.55E-04	5.64E-04	U
AP	05	402845005	6/22/2016	Cr-51	1.04E-02	1.19E-02	4.06E-02	U
AP	05	402845005	6/22/2016	Cs-134	1.75E-04	2.00E-04	6.98E-04	U
AP	05	402845005	6/22/2016	Cs-137	2.35E-05	1.61E-04	5.44E-04	U
AP	05	402845005	6/22/2016	Fe-59	-1.15E-03	1.44E-03	4.27E-03	U
AP	05	402845005	6/22/2016	I-131	-3.25E-01	5.44E-01	0.00E+00	U
AP	05	402845005	6/22/2016	K-40	3.66E-04	2.22E-03	8.15E-03	U
AP	05	402845005	6/22/2016	La-140	-8.18E-02	4.59E-02	8.25E-02	U
AP	05	402845005	6/22/2016	Mn-54	-2.36E-04	2.09E-04	5.85E-04	U
AP	05	402845005	6/22/2016	Nb-95	-1.57E-04	3.59E-04	1.11E-03	U
AP	05	402845005	6/22/2016	Ru-103	-3.69E-04	7.78E-04	2.39E-03	U
AP	05	402845005	6/22/2016	Ru-106	1.73E-03	1.71E-03	4.12E-03	U
AP	05	402845005	6/22/2016	Sb-124	-2.45E-04	1.30E-03	4.23E-03	U
AP	05	402845005	6/22/2016	Sb-125	-4.81E-04	3.56E-04	9.37E-04	U
AP	05	402845005	6/22/2016	Se-75	1.80E-04	2.81E-04	9.66E-04	U
AP	05	402845005	6/22/2016	Th-228	-1.15E-04	2.14E-04	7.15E-04	U
AP	05	402845005	6/22/2016	Zn-65	-3.43E-04	4.26E-04	1.24E-03	U
AP	05	402845005	6/22/2016	Zr-95	3.93E-04	5.50E-04	1.96E-03	U
AP	05	401222005	7/6/2016	BETA	1.98E-02	1.05E-03	7.35E-04	
AP	05	402111005	7/19/2016	BETA	1.68E-02	1.00E-03	7.62E-04	
AP	05	403263005	8/3/2016	BETA	2.34E-02	1.11E-03	6.87E-04	
AP	05	404118005	8/17/2016	BETA	2.01E-02	1.06E-03	6.96E-04	
AP	05	405188005	8/31/2016	BETA	2.32E-02	1.14E-03	7.60E-04	
AP	05	406287005	9/16/2016	BETA	2.11E-02	1.02E-03	6.78E-04	
AP	05	407093005	9/28/2016	BETA	2.24E-02	1.19E-03	7.92E-04	
AP	05	409457005	9/28/2016	Ac-228	4.90E-05	5.30E-04	1.85E-03	U
AP	05	409457005	9/28/2016	Ag-108m	6.09E-05	9.13E-05	3.04E-04	U
AP	05	409457005	9/28/2016	Ag-110m	-7.88E-04	3.05E-04	3.14E-04	U
AP	05	409457005	9/28/2016	Ba-140	4.00E-02	5.70E-02	1.99E-01	U
AP	05	409457005	9/28/2016	Be-7	1.05E-01	9.38E-03	7.96E-03	
AP	05	409457005	9/28/2016	Ce-141	-5.52E-04	8.13E-04	2.43E-03	U
AP	05	409457005	9/28/2016	Ce-144	-2.47E-04	5.94E-04	1.68E-03	U
AP	05	409457005	9/28/2016	Co-57	1.35E-04	8.22E-05	2.73E-04	U
AP	05	409457005	9/28/2016	Co-58	-3.16E-04	2.38E-04	5.98E-04	U
AP	05	409457005	9/28/2016	Co-60	-6.67E-05	1.34E-04	4.02E-04	U
AP	05	409457005	9/28/2016	Cr-51	-6.44E-03	8.63E-03	2.33E-02	U
AP	05	409457005	9/28/2016	Cs-134	-2.09E-05	1.32E-04	4.22E-04	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m^3)	STD.DEV. (pCi/m^3)	MDC (pCi/m^3)	FLAGS
AP	05	409457005	9/28/2016	Cs-137	-6.69E-05	1.15E-04	3.58E-04	U
AP	05	409457005	9/28/2016	Fe-59	-8.08E-04	8.72E-04	2.49E-03	U
AP	05	409457005	9/28/2016	I-131	-2.21E-02	2.77E-01	0.00E+00	U
AP	05	409457005	9/28/2016	K-40	3.63E-05	1.81E-03	6.22E-03	U
AP	05	409457005	9/28/2016	La-140	-2.17E-02	2.47E-02	7.12E-02	U
AP	05	409457005	9/28/2016	Mn-54	5.52E-05	1.37E-04	4.37E-04	U
AP	05	409457005	9/28/2016	Nb-95	6.68E-04	4.25E-04	7.85E-04	U
AP	05	409457005	9/28/2016	Ru-103	2.17E-04	4.19E-04	1.47E-03	U
AP	05	409457005	9/28/2016	Ru-106	-3.43E-04	9.03E-04	2.87E-03	U
AP	05	409457005	9/28/2016	Sb-124	-9.01E-04	9.08E-04	2.50E-03	U
AP	05	409457005	9/28/2016	Sb-125	-2.22E-04	2.93E-04	8.80E-04	U
AP	05	409457005	9/28/2016	Se-75	-6.60E-05	1.86E-04	6.07E-04	U
AP	05	409457005	9/28/2016	Th-228	2.82E-04	3.17E-04	7.10E-04	U
AP	05	409457005	9/28/2016	Zn-65	-3.88E-05	3.25E-04	9.14E-04	U
AP	05	409457005	9/28/2016	Zr-95	2.30E-04	4.84E-04	1.64E-03	U
AP	05	408342005	10/12/2016	BETA	1.80E-02	9.91E-04	6.72E-04	
AP	05	409323005	10/26/2016	BETA	1.83E-02	1.01E-03	7.28E-04	
AP	05	410535005	11/8/2016	BETA	1.31E-02	8.76E-04	7.44E-04	
AP	05	411356005	11/23/2016	BETA	1.71E-02	9.41E-04	6.51E-04	
AP	05	412445005	12/7/2016	BETA	1.77E-02	1.14E-03	9.55E-04	
AP	05	413222005	12/21/2016	BETA	2.48E-02	1.16E-03	7.10E-04	
AP	05	414339005	12/21/2016	Ac-228	-3.64E-04	6.35E-04	2.08E-03	U
AP	05	414339005	12/21/2016	Ag-108m	-1.79E-04	1.13E-04	2.86E-04	U
AP	05	414339005	12/21/2016	Ag-110m	-2.58E-05	2.11E-04	7.01E-04	U
AP	05	414339005	12/21/2016	Ba-140	-9.36E-03	1.83E-02	4.82E-02	U
AP	05	414339005	12/21/2016	Be-7	6.77E-02	8.56E-03	8.09E-03	
AP	05	414339005	12/21/2016	Ce-141	-3.34E-04	6.63E-04	1.99E-03	U
AP	05	414339005	12/21/2016	Ce-144	1.15E-03	7.95E-04	2.18E-03	U
AP	05	414339005	12/21/2016	Co-57	-1.06E-05	7.83E-05	2.50E-04	U
AP	05	414339005	12/21/2016	Co-58	2.59E-04	2.70E-04	9.88E-04	U
AP	05	414339005	12/21/2016	Co-60	1.96E-05	1.91E-04	6.36E-04	U
AP	05	414339005	12/21/2016	Cr-51	-9.97E-03	5.74E-03	1.24E-02	U
AP	05	414339005	12/21/2016	Cs-134	-4.86E-05	1.55E-04	4.66E-04	U
AP	05	414339005	12/21/2016	Cs-137	9.16E-06	1.23E-04	3.98E-04	U
AP	05	414339005	12/21/2016	Fe-59	-3.32E-04	7.10E-04	2.32E-03	U
AP	05	414339005	12/21/2016	I-131	1.75E-02	4.10E-02	1.42E-01	U
AP	05	414339005	12/21/2016	K-40	1.72E-03	2.38E-03	9.35E-03	U
AP	05	414339005	12/21/2016	La-140	5.03E-03	8.72E-03	3.07E-02	U
AP	05	414339005	12/21/2016	Mn-54	2.36E-04	1.71E-04	6.33E-04	U
AP	05	414339005	12/21/2016	Nb-95	-4.68E-06	2.60E-04	8.23E-04	U
AP	05	414339005	12/21/2016	Ru-103	-1.55E-04	3.37E-04	1.04E-03	U
AP	05	414339005	12/21/2016	Ru-106	-1.95E-03	1.35E-03	3.20E-03	U
AP	05	414339005	12/21/2016	Sb-124	0.00E+00	0.00E+00	0.00E+00	UI
AP	05	414339005	12/21/2016	Sb-125	-3.20E-04	2.99E-04	8.37E-04	U
AP	05	414339005	12/21/2016	Se-75	2.78E-05	1.83E-04	6.33E-04	U
AP	05	414339005	12/21/2016	Th-228	-5.53E-06	2.21E-04	7.66E-04	U
AP	05	414339005	12/21/2016	Zn-65	2.79E-04	2.97E-04	1.06E-03	U
AP	05	414339005	12/21/2016	Zr-95	2.81E-04	4.32E-04	1.50E-03	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m^3)	STD.DEV. (pCi/m^3)	MDC (pCi/m^3)	FLAGS
AP	07	388988006	1/6/2016	BETA	2.10E-02	1.08E-03	7.55E-04	
AP	07	389867006	1/20/2016	BETA	1.79E-02	9.94E-04	7.02E-04	
AP	07	390815006	2/3/2016	BETA	1.71E-02	9.84E-04	7.73E-04	
AP	07	391690006	2/17/2016	BETA	1.70E-02	9.64E-04	6.75E-04	
AP	07	392592006	3/1/2016	BETA	2.10E-02	1.14E-03	8.01E-04	
AP	07	393488006	3/16/2016	BETA	1.50E-02	8.94E-04	6.83E-04	
AP	07	394179006	3/30/2016	BETA	1.33E-02	8.80E-04	7.87E-04	
AP	07	396307006	3/30/2016	Ac-228	4.05E-04	6.19E-04	2.21E-03	U
AP	07	396307006	3/30/2016	Ag-108m	1.01E-04	9.48E-05	3.20E-04	U
AP	07	396307006	3/30/2016	Ag-110m	-1.64E-04	2.67E-04	8.18E-04	U
AP	07	396307006	3/30/2016	Ba-140	1.08E-01	5.08E-02	1.62E-01	U
AP	07	396307006	3/30/2016	Be-7	9.52E-02	9.52E-03	8.32E-03	
AP	07	396307006	3/30/2016	Ce-141	-8.23E-04	7.91E-04	2.39E-03	U
AP	07	396307006	3/30/2016	Ce-144	-6.04E-04	6.07E-04	1.85E-03	U
AP	07	396307006	3/30/2016	Co-57	-3.07E-05	7.93E-05	2.60E-04	U
AP	07	396307006	3/30/2016	Co-58	1.29E-04	2.80E-04	9.80E-04	U
AP	07	396307006	3/30/2016	Co-60	1.32E-04	1.78E-04	6.45E-04	U
AP	07	396307006	3/30/2016	Cr-51	-1.25E-03	7.25E-03	2.44E-02	U
AP	07	396307006	3/30/2016	Cs-134	-3.41E-05	1.59E-04	5.20E-04	U
AP	07	396307006	3/30/2016	Cs-137	-1.71E-04	1.37E-04	3.51E-04	U
AP	07	396307006	3/30/2016	Fe-59	2.04E-03	1.20E-03	4.38E-03	U
AP	07	396307006	3/30/2016	I-131	0.00E+00	1.79E-01	0.00E+00	UI
AP	07	396307006	3/30/2016	K-40	1.14E-03	1.97E-03	7.49E-03	U
AP	07	396307006	3/30/2016	La-140	-2.62E-02	2.16E-02	5.27E-02	U
AP	07	396307006	3/30/2016	Mn-54	-1.88E-04	1.64E-04	4.39E-04	U
AP	07	396307006	3/30/2016	Nb-95	-2.77E-04	2.85E-04	8.17E-04	U
AP	07	396307006	3/30/2016	Ru-103	1.74E-04	3.90E-04	1.35E-03	U
AP	07	396307006	3/30/2016	Ru-106	-9.15E-04	1.46E-03	3.63E-03	U
AP	07	396307006	3/30/2016	Sb-124	-1.76E-03	1.12E-03	2.25E-03	U
AP	07	396307006	3/30/2016	Sb-125	9.65E-04	4.56E-04	1.21E-03	U
AP	07	396307006	3/30/2016	Se-75	-4.98E-05	2.21E-04	6.95E-04	U
AP	07	396307006	3/30/2016	Th-228	2.56E-04	2.94E-04	7.09E-04	U
AP	07	396307006	3/30/2016	Zn-65	2.49E-04	3.17E-04	1.15E-03	U
AP	07	396307006	3/30/2016	Zr-95	1.23E-04	4.66E-04	1.62E-03	U
AP	07	395510006	4/13/2016	BETA	1.91E-02	1.05E-03	7.18E-04	
AP	07	396329006	4/27/2016	BETA	2.01E-02	1.06E-03	7.06E-04	
AP	07	397481006	5/11/2016	BETA	8.58E-03	6.93E-04	6.64E-04	M
AP	07	398362006	5/24/2016	BETA	1.36E-02	9.02E-04	7.50E-04	
AP	07	399253006	6/8/2016	BETA	1.60E-02	9.11E-04	6.67E-04	
AP	07	400149006	6/22/2016	BETA	1.13E-02	7.97E-04	7.17E-04	
AP	07	402845006	6/22/2016	Ac-228	-1.07E-03	7.10E-04	1.82E-03	U
AP	07	402845006	6/22/2016	Ag-108m	1.19E-04	1.42E-04	4.78E-04	U
AP	07	402845006	6/22/2016	Ag-110m	-1.79E-04	2.97E-04	8.86E-04	U
AP	07	402845006	6/22/2016	Ba-140	4.89E-02	1.02E-01	3.53E-01	U
AP	07	402845006	6/22/2016	Be-7	1.03E-01	1.06E-02	1.47E-02	
AP	07	402845006	6/22/2016	Ce-141	7.36E-04	1.35E-03	4.13E-03	U
AP	07	402845006	6/22/2016	Ce-144	-5.12E-04	8.95E-04	2.89E-03	U
AP	07	402845006	6/22/2016	Co-57	2.09E-05	1.07E-04	3.64E-04	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m^3)	STD.DEV. (pCi/m^3)	MDC (pCi/m^3)	FLAGS
AP	07	402845006	6/22/2016	Co-58	8.12E-05	2.72E-04	9.33E-04	U
AP	07	402845006	6/22/2016	Co-60	4.26E-06	1.18E-04	3.97E-04	U
AP	07	402845006	6/22/2016	Cr-51	8.87E-03	1.21E-02	4.08E-02	U
AP	07	402845006	6/22/2016	Cs-134	-1.29E-04	1.61E-04	4.57E-04	U
AP	07	402845006	6/22/2016	Cs-137	1.87E-04	1.49E-04	6.83E-04	U
AP	07	402845006	6/22/2016	Fe-59	2.90E-05	1.25E-03	4.22E-03	U
AP	07	402845006	6/22/2016	I-131	0.00E+00	6.03E-01	0.00E+00	UI
AP	07	402845006	6/22/2016	K-40	0.00E+00	2.35E-03	4.76E-03	U
AP	07	402845006	6/22/2016	La-140	-1.28E-02	4.26E-02	1.32E-01	U
AP	07	402845006	6/22/2016	Mn-54	1.35E-04	1.99E-04	6.90E-04	U
AP	07	402845006	6/22/2016	Nb-95	2.73E-04	4.33E-04	1.50E-03	U
AP	07	402845006	6/22/2016	Ru-103	6.27E-04	6.85E-04	2.43E-03	U
AP	07	402845006	6/22/2016	Ru-106	-2.17E-03	1.69E-03	4.59E-03	U
AP	07	402845006	6/22/2016	Sb-124	-9.85E-04	1.48E-03	4.22E-03	U
AP	07	402845006	6/22/2016	Sb-125	9.32E-04	5.61E-04	1.78E-03	U
AP	07	402845006	6/22/2016	Se-75	3.07E-04	3.13E-04	1.06E-03	U
AP	07	402845006	6/22/2016	Th-228	5.12E-05	3.26E-04	9.65E-04	U
AP	07	402845006	6/22/2016	Zn-65	-2.89E-04	4.71E-04	1.44E-03	U
AP	07	402845006	6/22/2016	Zr-95	1.95E-03	8.70E-04	3.11E-03	U
AP	07	401222006	7/6/2016	BETA	1.77E-02	1.00E-03	7.44E-04	
AP	07	402111006	7/19/2016	BETA	1.77E-02	1.03E-03	7.70E-04	
AP	07	403263006	8/3/2016	BETA	2.19E-02	1.07E-03	6.91E-04	
AP	07	404118006	8/17/2016	BETA	2.07E-02	1.08E-03	6.99E-04	
AP	07	405188006	8/31/2016	BETA	2.23E-02	1.12E-03	7.63E-04	
AP	07	406287006	9/16/2016	BETA	2.24E-02	1.06E-03	6.90E-04	
AP	07	407093006	9/28/2016	BETA	2.52E-02	1.28E-03	8.06E-04	
AP	07	409457006	9/28/2016	Ac-228	4.99E-04	5.43E-04	1.93E-03	U
AP	07	409457006	9/28/2016	Ag-108m	1.20E-06	1.00E-04	3.32E-04	U
AP	07	409457006	9/28/2016	Ag-110m	1.88E-04	2.16E-04	7.18E-04	U
AP	07	409457006	9/28/2016	Ba-140	2.40E-02	4.85E-02	1.66E-01	U
AP	07	409457006	9/28/2016	Be-7	1.30E-01	1.06E-02	8.35E-03	
AP	07	409457006	9/28/2016	Ce-141	2.65E-04	7.10E-04	2.32E-03	U
AP	07	409457006	9/28/2016	Ce-144	4.61E-04	5.23E-04	1.75E-03	U
AP	07	409457006	9/28/2016	Co-57	1.38E-04	7.54E-05	2.49E-04	U
AP	07	409457006	9/28/2016	Co-58	1.65E-05	2.04E-04	7.00E-04	U
AP	07	409457006	9/28/2016	Co-60	-3.91E-05	1.21E-04	3.69E-04	U
AP	07	409457006	9/28/2016	Cr-51	5.20E-03	7.47E-03	2.61E-02	U
AP	07	409457006	9/28/2016	Cs-134	-6.06E-05	1.46E-04	4.36E-04	U
AP	07	409457006	9/28/2016	Cs-137	-1.08E-04	1.10E-04	2.95E-04	U
AP	07	409457006	9/28/2016	Fe-59	-1.54E-04	1.08E-03	3.53E-03	U
AP	07	409457006	9/28/2016	I-131	0.00E+00	2.92E-01	0.00E+00	UI
AP	07	409457006	9/28/2016	K-40	3.17E-03	2.40E-03	5.10E-03	U
AP	07	409457006	9/28/2016	La-140	-1.24E-03	2.11E-02	6.71E-02	U
AP	07	409457006	9/28/2016	Mn-54	-6.43E-05	1.18E-04	3.70E-04	U
AP	07	409457006	9/28/2016	Nb-95	4.17E-04	2.84E-04	1.02E-03	U
AP	07	409457006	9/28/2016	Ru-103	1.06E-04	4.02E-04	1.36E-03	U
AP	07	409457006	9/28/2016	Ru-106	-4.65E-04	8.79E-04	2.59E-03	U
AP	07	409457006	9/28/2016	Sb-124	4.27E-05	9.71E-04	3.14E-03	U
AP	07	409457006	9/28/2016	Sb-125	1.34E-04	3.01E-04	1.03E-03	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m^3)	STD.DEV. (pCi/m^3)	MDC (pCi/m^3)	FLAGS
AP	07	409457006	9/28/2016	Se-75	-4.95E-05	1.96E-04	6.56E-04	U
AP	07	409457006	9/28/2016	Th-228	2.93E-04	2.80E-04	5.84E-04	U
AP	07	409457006	9/28/2016	Zn-65	-6.31E-04	3.77E-04	8.40E-04	U
AP	07	409457006	9/28/2016	Zr-95	1.30E-04	5.14E-04	1.69E-03	U
AP	07	408342006	10/12/2016	BETA	1.79E-02	9.99E-04	6.86E-04	
AP	07	409323006	10/26/2016	BETA	1.96E-02	1.05E-03	7.34E-04	
AP	07	410535006	11/9/2016	BETA	1.87E-02	1.01E-03	6.98E-04	
AP	07	411356006	11/23/2016	BETA	1.26E-02	8.35E-04	6.92E-04	
AP	07	412445006	12/7/2016	BETA	1.36E-02	8.58E-04	7.06E-04	
AP	07	413222006	12/21/2016	BETA	2.32E-02	1.11E-03	6.99E-04	
AP	07	414339006	12/21/2016	Ac-228	7.53E-04	7.17E-04	2.37E-03	U
AP	07	414339006	12/21/2016	Ag-108m	1.47E-05	9.66E-05	3.24E-04	U
AP	07	414339006	12/21/2016	Ag-110m	-1.22E-04	1.66E-04	4.89E-04	U
AP	07	414339006	12/21/2016	Ba-140	7.83E-03	1.28E-02	4.12E-02	U
AP	07	414339006	12/21/2016	Be-7	6.03E-02	7.95E-03	6.59E-03	
AP	07	414339006	12/21/2016	Ce-141	1.61E-03	8.85E-04	1.79E-03	U
AP	07	414339006	12/21/2016	Ce-144	-1.49E-04	6.09E-04	1.91E-03	U
AP	07	414339006	12/21/2016	Co-57	-6.51E-05	7.45E-05	2.18E-04	U
AP	07	414339006	12/21/2016	Co-58	-6.85E-06	1.92E-04	6.49E-04	U
AP	07	414339006	12/21/2016	Co-60	9.55E-05	1.24E-04	4.58E-04	U
AP	07	414339006	12/21/2016	Cr-51	2.66E-03	4.83E-03	1.53E-02	U
AP	07	414339006	12/21/2016	Cs-134	2.08E-04	1.78E-04	6.14E-04	U
AP	07	414339006	12/21/2016	Cs-137	2.67E-05	1.07E-04	3.54E-04	U
AP	07	414339006	12/21/2016	Fe-59	2.00E-04	7.35E-04	2.27E-03	U
AP	07	414339006	12/21/2016	I-131	3.93E-04	3.84E-02	1.29E-01	U
AP	07	414339006	12/21/2016	K-40	2.26E-03	2.55E-03	9.63E-03	U
AP	07	414339006	12/21/2016	La-140	4.02E-03	8.16E-03	2.82E-02	U
AP	07	414339006	12/21/2016	Mn-54	1.08E-04	1.68E-04	5.97E-04	U
AP	07	414339006	12/21/2016	Nb-95	6.61E-06	2.71E-04	8.63E-04	U
AP	07	414339006	12/21/2016	Ru-103	-2.12E-04	3.28E-04	8.48E-04	U
AP	07	414339006	12/21/2016	Ru-106	9.23E-04	1.31E-03	4.47E-03	U
AP	07	414339006	12/21/2016	Sb-124	-6.27E-04	6.00E-04	1.25E-03	U
AP	07	414339006	12/21/2016	Sb-125	1.22E-04	2.91E-04	9.98E-04	U
AP	07	414339006	12/21/2016	Se-75	-2.40E-04	2.02E-04	6.07E-04	U
AP	07	414339006	12/21/2016	Th-228	3.79E-04	4.79E-04	8.28E-04	U
AP	07	414339006	12/21/2016	Zn-65	-8.89E-05	2.85E-04	8.94E-04	U
AP	07	414339006	12/21/2016	Zr-95	1.92E-04	4.56E-04	1.52E-03	U
AP	08	388988007	1/6/2016	BETA	2.00E-02	1.07E-03	7.71E-04	
AP	08	389867007	1/20/2016	BETA	1.77E-02	1.00E-03	7.19E-04	
AP	08	390815007	2/3/2016	BETA	1.29E-02	8.66E-04	7.87E-04	
AP	08	391690007	2/17/2016	BETA	1.56E-02	9.40E-04	7.00E-04	
AP	08	392592007	3/1/2016	BETA	1.85E-02	1.08E-03	8.28E-04	
AP	08	393488007	3/16/2016	BETA	1.63E-02	9.53E-04	7.13E-04	
AP	08	394179007	3/30/2016	BETA	1.06E-02	8.08E-04	8.14E-04	
AP	08	396307007	3/30/2016	Ac-228	-1.19E-05	5.69E-04	2.11E-03	U
AP	08	396307007	3/30/2016	Ag-108m	7.43E-05	9.29E-05	3.15E-04	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m^3)	STD.DEV. (pCi/m^3)	MDC (pCi/m^3)	FLAGS
AP	08	396307007	3/30/2016	Ag-110m	-1.67E-04	2.22E-04	6.46E-04	U
AP	08	396307007	3/30/2016	Ba-140	1.39E-02	3.35E-02	1.13E-01	U
AP	08	396307007	3/30/2016	Be-7	6.75E-02	9.09E-03	8.81E-03	
AP	08	396307007	3/30/2016	Ce-141	-1.43E-03	9.35E-04	2.60E-03	U
AP	08	396307007	3/30/2016	Ce-144	4.87E-04	6.73E-04	2.26E-03	U
AP	08	396307007	3/30/2016	Co-57	-1.31E-04	7.88E-05	2.09E-04	U
AP	08	396307007	3/30/2016	Co-58	-2.83E-04	2.41E-04	6.28E-04	U
AP	08	396307007	3/30/2016	Co-60	1.91E-04	1.68E-04	6.20E-04	U
AP	08	396307007	3/30/2016	Cr-51	4.63E-03	6.34E-03	2.20E-02	U
AP	08	396307007	3/30/2016	Cs-134	2.13E-04	1.60E-04	5.75E-04	U
AP	08	396307007	3/30/2016	Cs-137	1.21E-05	1.44E-04	5.30E-04	U
AP	08	396307007	3/30/2016	Fe-59	-4.49E-04	9.68E-04	2.89E-03	U
AP	08	396307007	3/30/2016	I-131	0.00E+00	1.60E-01	0.00E+00	UI
AP	08	396307007	3/30/2016	K-40	4.08E-03	2.21E-03	5.75E-03	U
AP	08	396307007	3/30/2016	La-140	-4.10E-03	1.41E-02	4.30E-02	U
AP	08	396307007	3/30/2016	Mn-54	1.97E-04	1.66E-04	5.91E-04	U
AP	08	396307007	3/30/2016	Nb-95	2.26E-04	2.74E-04	9.78E-04	U
AP	08	396307007	3/30/2016	Ru-103	1.42E-04	5.12E-04	1.70E-03	U
AP	08	396307007	3/30/2016	Ru-106	-1.84E-03	1.36E-03	3.77E-03	U
AP	08	396307007	3/30/2016	Sb-124	6.03E-04	7.92E-04	2.92E-03	U
AP	08	396307007	3/30/2016	Sb-125	-9.14E-06	3.35E-04	1.10E-03	U
AP	08	396307007	3/30/2016	Se-75	1.74E-04	2.09E-04	7.30E-04	U
AP	08	396307007	3/30/2016	Th-228	1.40E-04	2.22E-04	7.74E-04	U
AP	08	396307007	3/30/2016	Zn-65	2.57E-04	3.39E-04	1.20E-03	U
AP	08	396307007	3/30/2016	Zr-95	2.88E-04	4.16E-04	1.49E-03	U
AP	08	395510007	4/13/2016	BETA	1.99E-02	1.09E-03	7.47E-04	
AP	08	396329007	4/27/2016	BETA	2.03E-02	1.06E-03	6.96E-04	
AP	08	397481007	5/11/2016	BETA	8.91E-03	7.09E-04	6.70E-04	M
AP	08	398362007	5/24/2016	BETA	1.76E-02	1.03E-03	7.67E-04	
AP	08	399253007	6/8/2016	BETA	1.40E-02	8.66E-04	6.88E-04	
AP	08	400149007	6/22/2016	BETA	1.17E-02	8.26E-04	7.45E-04	
AP	08	402845007	6/22/2016	Ac-228	-1.08E-03	6.71E-04	1.65E-03	U
AP	08	402845007	6/22/2016	Ag-108m	1.68E-04	1.68E-04	4.92E-04	U
AP	08	402845007	6/22/2016	Ag-110m	8.92E-05	3.05E-04	1.03E-03	U
AP	08	402845007	6/22/2016	Ba-140	1.51E-01	9.94E-02	3.54E-01	U
AP	08	402845007	6/22/2016	Be-7	1.02E-01	1.17E-02	1.41E-02	
AP	08	402845007	6/22/2016	Ce-141	-2.19E-03	1.35E-03	3.71E-03	U
AP	08	402845007	6/22/2016	Ce-144	7.54E-04	8.56E-04	2.95E-03	U
AP	08	402845007	6/22/2016	Co-57	-6.29E-05	1.07E-04	3.44E-04	U
AP	08	402845007	6/22/2016	Co-58	-2.62E-04	3.74E-04	1.09E-03	U
AP	08	402845007	6/22/2016	Co-60	5.36E-05	1.81E-04	6.26E-04	U
AP	08	402845007	6/22/2016	Cr-51	-8.50E-03	1.21E-02	3.18E-02	U
AP	08	402845007	6/22/2016	Cs-134	-6.29E-05	2.10E-04	6.64E-04	U
AP	08	402845007	6/22/2016	Cs-137	-3.61E-05	1.36E-04	4.39E-04	U
AP	08	402845007	6/22/2016	Fe-59	1.80E-03	1.42E-03	5.36E-03	U
AP	08	402845007	6/22/2016	I-131	0.00E+00	5.23E-01	0.00E+00	UI
AP	08	402845007	6/22/2016	K-40	1.34E-03	3.41E-03	6.47E-03	U
AP	08	402845007	6/22/2016	La-140	-4.20E-02	5.22E-02	1.49E-01	U
AP	08	402845007	6/22/2016	Mn-54	-1.33E-04	1.85E-04	5.37E-04	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m^3)	STD.DEV. (pCi/m^3)	MDC (pCi/m^3)	FLAGS
AP	08	402845007	6/22/2016	Nb-95	-1.09E-03	5.82E-04	1.37E-03	U
AP	08	402845007	6/22/2016	Ru-103	-2.42E-04	7.64E-04	2.41E-03	U
AP	08	402845007	6/22/2016	Ru-106	1.31E-03	1.53E-03	5.49E-03	U
AP	08	402845007	6/22/2016	Sb-124	-1.00E-03	7.47E-04	0.00E+00	U
AP	08	402845007	6/22/2016	Sb-125	-8.66E-04	5.61E-04	1.17E-03	U
AP	08	402845007	6/22/2016	Se-75	9.72E-05	2.84E-04	9.37E-04	U
AP	08	402845007	6/22/2016	Th-228	6.08E-04	3.36E-04	6.82E-04	U
AP	08	402845007	6/22/2016	Zn-65	-2.62E-04	4.43E-04	1.32E-03	U
AP	08	402845007	6/22/2016	Zr-95	1.89E-04	9.32E-04	3.14E-03	U
AP	08	401222007	7/6/2016	BETA	1.62E-02	9.77E-04	7.76E-04	
AP	08	402111007	7/19/2016	BETA	1.76E-02	1.05E-03	8.03E-04	
AP	08	403263007	8/3/2016	BETA	2.25E-02	1.12E-03	7.35E-04	
AP	08	404118007	8/17/2016	BETA	2.13E-02	1.12E-03	7.42E-04	
AP	08	405188007	8/31/2016	BETA	2.03E-02	1.10E-03	8.13E-04	
AP	08	406287007	9/16/2016	BETA	2.05E-02	1.04E-03	7.27E-04	
AP	08	407093007	9/28/2016	BETA	2.68E-02	1.35E-03	8.49E-04	
AP	08	409457007	9/28/2016	Ac-228	1.77E-04	5.67E-04	1.98E-03	U
AP	08	409457007	9/28/2016	Ag-108m	1.93E-05	8.51E-05	2.78E-04	U
AP	08	409457007	9/28/2016	Ag-110m	-4.38E-04	2.15E-04	3.91E-04	U
AP	08	409457007	9/28/2016	Ba-140	-1.32E-02	5.78E-02	1.66E-01	U
AP	08	409457007	9/28/2016	Be-7	1.17E-01	1.05E-02	1.00E-02	
AP	08	409457007	9/28/2016	Ce-141	4.65E-04	9.68E-04	3.16E-03	U
AP	08	409457007	9/28/2016	Ce-144	-3.92E-04	6.70E-04	2.04E-03	U
AP	08	409457007	9/28/2016	Co-57	7.75E-05	8.39E-05	2.81E-04	U
AP	08	409457007	9/28/2016	Co-58	3.56E-04	2.97E-04	1.04E-03	U
AP	08	409457007	9/28/2016	Co-60	-6.08E-05	9.68E-05	2.69E-04	U
AP	08	409457007	9/28/2016	Cr-51	9.06E-03	9.46E-03	3.22E-02	U
AP	08	409457007	9/28/2016	Cs-134	-2.55E-05	1.30E-04	4.10E-04	U
AP	08	409457007	9/28/2016	Cs-137	-9.66E-05	1.27E-04	3.79E-04	U
AP	08	409457007	9/28/2016	Fe-59	-3.45E-04	9.19E-04	2.42E-03	U
AP	08	409457007	9/28/2016	I-131	-4.48E-02	4.44E-01	0.00E+00	U
AP	08	409457007	9/28/2016	K-40	2.17E-03	1.97E-03	6.82E-03	U
AP	08	409457007	9/28/2016	La-140	-2.75E-02	3.05E-02	8.69E-02	U
AP	08	409457007	9/28/2016	Mn-54	2.03E-04	1.57E-04	5.44E-04	U
AP	08	409457007	9/28/2016	Nb-95	2.40E-04	2.73E-04	9.54E-04	U
AP	08	409457007	9/28/2016	Ru-103	-2.01E-04	4.21E-04	1.36E-03	U
AP	08	409457007	9/28/2016	Ru-106	3.23E-04	1.14E-03	3.76E-03	U
AP	08	409457007	9/28/2016	Sb-124	-1.12E-03	7.71E-04	1.61E-03	U
AP	08	409457007	9/28/2016	Sb-125	3.79E-04	3.25E-04	1.09E-03	U
AP	08	409457007	9/28/2016	Se-75	7.62E-05	2.16E-04	7.35E-04	U
AP	08	409457007	9/28/2016	Th-228	4.13E-04	3.10E-04	7.65E-04	U
AP	08	409457007	9/28/2016	Zn-65	-5.97E-04	3.65E-04	8.69E-04	U
AP	08	409457007	9/28/2016	Zr-95	1.22E-04	5.65E-04	1.88E-03	U
AP	08	408342007	10/12/2016	BETA	1.76E-02	1.01E-03	7.21E-04	
AP	08	409323007	10/26/2016	BETA	2.03E-02	1.10E-03	7.87E-04	
AP	08	410535007	11/9/2016	BETA	1.69E-02	9.90E-04	7.40E-04	
AP	08	411356007	11/23/2016	BETA	1.38E-02	9.05E-04	7.40E-04	
AP	08	412445007	12/7/2016	BETA	1.33E-02	8.80E-04	7.57E-04	

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m^3)	STD.DEV. (pCi/m^3)	MDC (pCi/m^3)	FLAGS
AP	08	413222007	12/21/2016	BETA	2.18E-02	1.11E-03	7.45E-04	
AP	08	414339007	12/21/2016	Ac-228	4.70E-05	6.64E-04	2.55E-03	U
AP	08	414339007	12/21/2016	Ag-108m	2.72E-05	9.82E-05	3.33E-04	U
AP	08	414339007	12/21/2016	Ag-110m	2.24E-04	1.33E-04	5.70E-04	U
AP	08	414339007	12/21/2016	Ba-140	-2.22E-02	2.25E-02	6.36E-02	U
AP	08	414339007	12/21/2016	Be-7	7.15E-02	7.93E-03	6.65E-03	
AP	08	414339007	12/21/2016	Ce-141	1.02E-04	6.38E-04	2.21E-03	U
AP	08	414339007	12/21/2016	Ce-144	-9.38E-05	8.06E-04	2.48E-03	U
AP	08	414339007	12/21/2016	Co-57	8.97E-06	8.96E-05	2.82E-04	U
AP	08	414339007	12/21/2016	Co-58	1.34E-04	2.94E-04	9.89E-04	U
AP	08	414339007	12/21/2016	Co-60	1.24E-05	1.53E-04	5.16E-04	U
AP	08	414339007	12/21/2016	Cr-51	-2.78E-03	4.45E-03	1.38E-02	U
AP	08	414339007	12/21/2016	Cs-134	-1.36E-04	1.64E-04	4.56E-04	U
AP	08	414339007	12/21/2016	Cs-137	1.54E-04	1.31E-04	4.52E-04	U
AP	08	414339007	12/21/2016	Fe-59	-9.37E-04	6.37E-04	1.22E-03	U
AP	08	414339007	12/21/2016	I-131	-2.51E-02	3.33E-02	9.83E-02	U
AP	08	414339007	12/21/2016	K-40	2.89E-03	2.49E-03	9.64E-03	U
AP	08	414339007	12/21/2016	La-140	-6.46E-03	7.97E-03	2.09E-02	U
AP	08	414339007	12/21/2016	Mn-54	1.19E-04	2.09E-04	7.05E-04	U
AP	08	414339007	12/21/2016	Nb-95	2.18E-04	3.07E-04	1.06E-03	U
AP	08	414339007	12/21/2016	Ru-103	1.31E-05	4.23E-04	1.39E-03	U
AP	08	414339007	12/21/2016	Ru-106	-1.20E-03	1.49E-03	4.24E-03	U
AP	08	414339007	12/21/2016	Sb-124	8.12E-04	5.63E-04	2.47E-03	U
AP	08	414339007	12/21/2016	Sb-125	-2.48E-06	3.57E-04	1.18E-03	U
AP	08	414339007	12/21/2016	Se-75	1.54E-04	2.23E-04	7.76E-04	U
AP	08	414339007	12/21/2016	Th-228	-5.25E-04	3.07E-04	7.87E-04	U
AP	08	414339007	12/21/2016	Zn-65	-1.82E-05	3.25E-04	1.08E-03	U
AP	08	414339007	12/21/2016	Zr-95	6.60E-04	6.45E-04	1.90E-03	U
AP	09	388988008	1/6/2016	BETA	2.03E-02	1.04E-03	7.18E-04	
AP	09	389867008	1/20/2016	BETA	1.70E-02	9.49E-04	6.72E-04	
AP	09	390815008	2/3/2016	BETA	1.60E-02	9.21E-04	7.26E-04	
AP	09	391690008	2/17/2016	BETA	1.84E-02	9.85E-04	6.52E-04	
AP	09	392592008	3/1/2016	BETA	1.55E-02	9.52E-04	7.61E-04	
AP	09	393488008	3/16/2016	BETA	1.91E-02	9.82E-04	6.46E-04	
AP	09	394179008	3/30/2016	BETA	1.24E-02	8.16E-04	7.24E-04	
AP	09	396307008	3/30/2016	Ac-228	-4.81E-04	6.69E-04	2.19E-03	U
AP	09	396307008	3/30/2016	Ag-108m	-1.32E-04	1.19E-04	3.27E-04	U
AP	09	396307008	3/30/2016	Ag-110m	-1.07E-04	1.92E-04	5.86E-04	U
AP	09	396307008	3/30/2016	Ba-140	4.87E-02	4.77E-02	1.67E-01	U
AP	09	396307008	3/30/2016	Be-7	9.23E-02	9.37E-03	1.13E-02	
AP	09	396307008	3/30/2016	Ce-141	-4.93E-04	1.11E-03	2.97E-03	U
AP	09	396307008	3/30/2016	Ce-144	-1.74E-03	9.41E-04	1.91E-03	U
AP	09	396307008	3/30/2016	Co-57	4.41E-05	1.09E-04	3.58E-04	U
AP	09	396307008	3/30/2016	Co-58	1.74E-04	3.89E-04	1.27E-03	U
AP	09	396307008	3/30/2016	Co-60	-5.14E-05	1.85E-04	5.85E-04	U
AP	09	396307008	3/30/2016	Cr-51	2.00E-03	8.90E-03	3.00E-02	U
AP	09	396307008	3/30/2016	Cs-134	3.12E-05	1.96E-04	5.59E-04	U
AP	09	396307008	3/30/2016	Cs-137	1.21E-05	1.75E-04	4.94E-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	396307008	3/30/2016	Fe-59	8.03E-05	1.10E-03	3.68E-03	U
AP	09	396307008	3/30/2016	I-131	-2.23E-02	2.26E-01	0.00E+00	U
AP	09	396307008	3/30/2016	K-40	-1.95E-03	1.95E-03	5.70E-03	U
AP	09	396307008	3/30/2016	La-140	2.56E-02	1.96E-02	7.46E-02	U
AP	09	396307008	3/30/2016	Mn-54	-2.12E-04	2.20E-04	5.40E-04	U
AP	09	396307008	3/30/2016	Nb-95	-4.85E-04	4.70E-04	1.05E-03	U
AP	09	396307008	3/30/2016	Ru-103	-9.10E-04	6.56E-04	1.78E-03	U
AP	09	396307008	3/30/2016	Ru-106	-7.22E-04	1.48E-03	4.54E-03	U
AP	09	396307008	3/30/2016	Sb-124	-5.23E-05	8.65E-04	2.78E-03	U
AP	09	396307008	3/30/2016	Sb-125	2.99E-04	3.76E-04	1.30E-03	U
AP	09	396307008	3/30/2016	Se-75	-6.55E-05	2.50E-04	8.22E-04	U
AP	09	396307008	3/30/2016	Th-228	2.25E-04	2.37E-04	7.90E-04	U
AP	09	396307008	3/30/2016	Zn-65	3.09E-04	4.32E-04	1.54E-03	U
AP	09	396307008	3/30/2016	Zr-95	3.35E-04	6.10E-04	2.08E-03	U
AP	09	395510008	4/13/2016	BETA	1.98E-02	1.04E-03	6.77E-04	
AP	09	396329008	4/27/2016	BETA	1.84E-02	1.00E-03	6.93E-04	
AP	09	397481008	5/11/2016	BETA	8.54E-03	6.92E-04	6.64E-04	M
AP	09	398362008	5/24/2016	BETA	1.68E-02	1.00E-03	7.54E-04	
AP	09	399253008	6/8/2016	BETA	1.80E-02	9.71E-04	6.76E-04	
AP	09	400149008	6/22/2016	BETA	1.19E-02	8.27E-04	7.32E-04	
AP	09	402845008	6/22/2016	Ac-228	2.84E-04	7.21E-04	2.49E-03	U
AP	09	402845008	6/22/2016	Ag-108m	4.67E-05	1.30E-04	4.31E-04	U
AP	09	402845008	6/22/2016	Ag-110m	-1.38E-05	2.84E-04	9.14E-04	U
AP	09	402845008	6/22/2016	Ba-140	1.55E-01	9.95E-02	3.59E-01	U
AP	09	402845008	6/22/2016	Be-7	1.19E-01	1.27E-02	1.31E-02	
AP	09	402845008	6/22/2016	Ce-141	-1.06E-03	1.60E-03	4.90E-03	U
AP	09	402845008	6/22/2016	Ce-144	-7.71E-05	9.21E-04	2.95E-03	U
AP	09	402845008	6/22/2016	Co-57	1.00E-04	1.09E-04	3.64E-04	U
AP	09	402845008	6/22/2016	Co-58	1.69E-04	4.81E-04	1.62E-03	U
AP	09	402845008	6/22/2016	Co-60	-1.59E-04	2.60E-04	7.75E-04	U
AP	09	402845008	6/22/2016	Cr-51	1.09E-02	1.29E-02	4.40E-02	U
AP	09	402845008	6/22/2016	Cs-134	2.71E-05	2.35E-04	7.75E-04	U
AP	09	402845008	6/22/2016	Cs-137	5.80E-05	1.29E-04	4.51E-04	U
AP	09	402845008	6/22/2016	Fe-59	8.48E-04	1.15E-03	4.24E-03	U
AP	09	402845008	6/22/2016	I-131	-2.62E-01	5.06E-01	0.00E+00	U
AP	09	402845008	6/22/2016	K-40	3.85E-03	3.15E-03	1.14E-02	U
AP	09	402845008	6/22/2016	La-140	1.89E-03	3.23E-02	1.06E-01	U
AP	09	402845008	6/22/2016	Mn-54	3.59E-04	2.50E-04	8.78E-04	U
AP	09	402845008	6/22/2016	Nb-95	-4.92E-05	4.47E-04	1.24E-03	U
AP	09	402845008	6/22/2016	Ru-103	8.55E-05	6.69E-04	2.01E-03	U
AP	09	402845008	6/22/2016	Ru-106	-5.53E-04	1.49E-03	4.72E-03	U
AP	09	402845008	6/22/2016	Sb-124	-3.92E-05	1.31E-03	4.36E-03	U
AP	09	402845008	6/22/2016	Sb-125	-9.16E-04	4.93E-04	1.15E-03	U
AP	09	402845008	6/22/2016	Se-75	-9.20E-05	3.14E-04	1.03E-03	U
AP	09	402845008	6/22/2016	Th-228	4.30E-04	3.48E-04	8.08E-04	U
AP	09	402845008	6/22/2016	Zn-65	-5.56E-05	5.16E-04	1.69E-03	U
AP	09	402845008	6/22/2016	Zr-95	4.49E-04	9.14E-04	2.78E-03	U
AP	09	401222008	7/6/2016	BETA	1.78E-02	1.01E-03	7.54E-04	

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m^3)	STD.DEV. (pCi/m^3)	MDC (pCi/m^3)	FLAGS
AP	09	402111008	7/19/2016	BETA	1.78E-02	1.04E-03	7.83E-04	
AP	09	403263008	8/3/2016	BETA	2.12E-02	1.07E-03	7.08E-04	
AP	09	404118008	8/17/2016	BETA	2.03E-02	1.08E-03	7.19E-04	
AP	09	405188008	8/31/2016	BETA	2.47E-02	1.19E-03	7.79E-04	
AP	09	406287008	9/16/2016	BETA	1.98E-02	9.98E-04	7.00E-04	
AP	09	407093008	9/28/2016	BETA	2.20E-02	1.21E-03	8.23E-04	
AP	09	409457008	9/28/2016	Ac-228	5.53E-04	7.76E-04	3.15E-03	U
AP	09	409457008	9/28/2016	Ag-108m	1.03E-05	1.04E-04	3.60E-04	U
AP	09	409457008	9/28/2016	Ag-110m	6.17E-07	2.57E-04	7.89E-04	U
AP	09	409457008	9/28/2016	Ba-140	8.53E-02	5.66E-02	2.27E-01	U
AP	09	409457008	9/28/2016	Be-7	1.07E-01	1.24E-02	1.15E-02	
AP	09	409457008	9/28/2016	Ce-141	2.76E-04	9.42E-04	3.16E-03	U
AP	09	409457008	9/28/2016	Ce-144	-5.77E-04	6.60E-04	1.98E-03	U
AP	09	409457008	9/28/2016	Co-57	4.10E-06	9.23E-05	3.10E-04	U
AP	09	409457008	9/28/2016	Co-58	3.74E-04	4.62E-04	1.65E-03	U
AP	09	409457008	9/28/2016	Co-60	-1.69E-04	1.82E-04	4.35E-04	U
AP	09	409457008	9/28/2016	Cr-51	-8.03E-03	1.26E-02	3.65E-02	U
AP	09	409457008	9/28/2016	Cs-134	1.47E-04	1.74E-04	6.46E-04	U
AP	09	409457008	9/28/2016	Cs-137	3.87E-05	1.81E-04	6.14E-04	U
AP	09	409457008	9/28/2016	Fe-59	-9.11E-04	1.04E-03	2.61E-03	U
AP	09	409457008	9/28/2016	I-131	0.00E+00	4.47E-01	0.00E+00	UI
AP	09	409457008	9/28/2016	K-40	2.67E-03	3.16E-03	1.22E-02	U
AP	09	409457008	9/28/2016	La-140	1.74E-02	3.98E-02	1.43E-01	U
AP	09	409457008	9/28/2016	Mn-54	-2.16E-04	2.21E-04	5.68E-04	U
AP	09	409457008	9/28/2016	Nb-95	1.38E-04	5.12E-04	1.73E-03	U
AP	09	409457008	9/28/2016	Ru-103	-2.69E-04	5.42E-04	1.68E-03	U
AP	09	409457008	9/28/2016	Ru-106	9.92E-04	1.19E-03	4.50E-03	U
AP	09	409457008	9/28/2016	Sb-124	-7.22E-04	1.23E-03	3.23E-03	U
AP	09	409457008	9/28/2016	Sb-125	-8.48E-04	4.13E-04	8.35E-04	U
AP	09	409457008	9/28/2016	Se-75	1.84E-04	2.60E-04	8.78E-04	U
AP	09	409457008	9/28/2016	Th-228	4.58E-04	3.70E-04	6.10E-04	U
AP	09	409457008	9/28/2016	Zn-65	-8.30E-04	5.00E-04	9.03E-04	U
AP	09	409457008	9/28/2016	Zr-95	-7.83E-04	6.03E-04	1.17E-03	U
AP	09	408342008	10/12/2016	BETA	1.66E-02	9.70E-04	6.97E-04	
AP	09	409323008	10/26/2016	BETA	1.88E-02	1.05E-03	7.72E-04	
AP	09	410535008	11/8/2016	BETA	1.59E-02	9.86E-04	7.79E-04	
AP	09	411356008	11/23/2016	BETA	1.48E-02	9.05E-04	6.95E-04	
AP	09	412445008	12/7/2016	BETA	1.36E-02	8.93E-04	7.61E-04	
AP	09	413222008	12/21/2016	BETA	4.30E-02	2.02E-03	1.24E-03	
AP	09	414339008	12/21/2016	Ac-228	-5.28E-04	9.20E-04	3.01E-03	U
AP	09	414339008	12/21/2016	Ag-108m	-1.68E-04	1.43E-04	3.88E-04	U
AP	09	414339008	12/21/2016	Ag-110m	7.56E-04	2.96E-04	9.01E-04	U
AP	09	414339008	12/21/2016	Ba-140	3.02E-02	2.81E-02	9.67E-02	U
AP	09	414339008	12/21/2016	Be-7	8.21E-02	9.69E-03	1.01E-02	
AP	09	414339008	12/21/2016	Ce-141	-1.78E-03	9.45E-04	2.20E-03	U
AP	09	414339008	12/21/2016	Ce-144	1.73E-04	8.35E-04	2.65E-03	U
AP	09	414339008	12/21/2016	Co-57	-8.35E-05	1.26E-04	3.73E-04	U
AP	09	414339008	12/21/2016	Co-58	-1.20E-04	3.20E-04	1.02E-03	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m^3)	STD.DEV. (pCi/m^3)	MDC (pCi/m^3)	FLAGS
AP	09	414339008	12/21/2016	Co-60	-1.41E-04	2.33E-04	6.66E-04	U
AP	09	414339008	12/21/2016	Cr-51	-1.38E-02	7.91E-03	2.08E-02	U
AP	09	414339008	12/21/2016	Cs-134	4.39E-05	1.88E-04	6.49E-04	U
AP	09	414339008	12/21/2016	Cs-137	1.38E-04	1.94E-04	6.93E-04	U
AP	09	414339008	12/21/2016	Fe-59	9.84E-04	1.16E-03	4.13E-03	U
AP	09	414339008	12/21/2016	I-131	2.97E-02	5.77E-02	1.97E-01	U
AP	09	414339008	12/21/2016	K-40	0.00E+00	3.24E-03	6.68E-03	U
AP	09	414339008	12/21/2016	La-140	-3.00E-03	5.83E-03	1.64E-02	U
AP	09	414339008	12/21/2016	Mn-54	-2.22E-04	2.37E-04	6.92E-04	U
AP	09	414339008	12/21/2016	Nb-95	1.98E-04	3.79E-04	1.33E-03	U
AP	09	414339008	12/21/2016	Ru-103	-1.73E-04	4.80E-04	1.48E-03	U
AP	09	414339008	12/21/2016	Ru-106	2.53E-03	2.03E-03	7.02E-03	U
AP	09	414339008	12/21/2016	Sb-124	1.78E-04	5.90E-04	2.15E-03	U
AP	09	414339008	12/21/2016	Sb-125	1.08E-04	4.86E-04	1.61E-03	U
AP	09	414339008	12/21/2016	Se-75	-5.46E-04	3.32E-04	7.74E-04	U
AP	09	414339008	12/21/2016	Th-228	6.27E-04	4.59E-04	1.13E-03	U
AP	09	414339008	12/21/2016	Zn-65	-5.54E-04	5.62E-04	1.61E-03	U
AP	09	414339008	12/21/2016	Zr-95	-1.21E-03	6.53E-04	1.42E-03	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m^3)	STD.DEV. (pCi/m^3)	MDC (pCi/m^3)	FLAGS
CF	01	388988009	1/6/2016	I-131	-2.32E-03	5.25E-03	1.66E-02	U
CF	01	389867009	1/20/2016	I-131	-3.45E-03	4.25E-03	1.21E-02	U
CF	01	390815009	2/3/2016	I-131	-2.95E-03	4.44E-03	1.27E-02	U
CF	01	391690009	2/17/2016	I-131	-3.96E-03	6.90E-03	2.03E-02	U
CF	01	392592009	3/1/2016	I-131	3.03E-04	4.23E-03	1.43E-02	U
CF	01	393488009	3/16/2016	I-131	-2.20E-03	5.04E-03	1.32E-02	U
CF	01	394179009	3/30/2016	I-131	6.77E-03	5.21E-03	1.98E-02	U
CF	01	395510009	4/13/2016	I-131	-1.80E-03	5.44E-03	1.75E-02	U
CF	01	396329009	4/27/2016	I-131	-2.95E-03	3.65E-03	9.51E-03	U
CF	01	397481009	5/11/2016	I-131	-1.38E-03	3.03E-03	8.85E-03	U
CF	01	398362009	5/24/2016	I-131	1.19E-02	5.78E-03	2.23E-02	U
CF	01	399253009	6/8/2016	I-131	-5.13E-03	4.06E-03	9.62E-03	U
CF	01	400149009	6/22/2016	I-131	9.74E-03	4.71E-03	1.93E-02	U
CF	01	401222009	7/6/2016	I-131	-4.25E-03	4.26E-03	1.20E-02	U
CF	01	402111009	7/19/2016	I-131	6.09E-03	4.08E-03	1.54E-02	U
CF	01	403263009	8/3/2016	I-131	-4.23E-03	6.04E-03	1.78E-02	U
CF	01	404118009	8/17/2016	I-131	-5.41E-04	3.44E-03	1.10E-02	U
CF	01	405188009	8/31/2016	I-131	1.95E-03	3.04E-03	1.13E-02	U
CF	01	406287009	9/16/2016	I-131	1.43E-03	3.43E-03	1.22E-02	U
CF	01	407093009	9/28/2016	I-131	4.20E-03	3.44E-03	1.38E-02	U
CF	01	408342009	10/12/2016	I-131	-5.52E-03	5.20E-03	1.35E-02	U
CF	01	409323009	10/26/2016	I-131	-3.59E-03	2.97E-03	6.89E-03	U
CF	01	410535009	11/9/2016	I-131	5.05E-03	8.77E-03	3.09E-02	U
CF	01	411356009	11/23/2016	I-131	2.03E-03	1.99E-03	7.13E-03	U
CF	01	412445009	12/7/2016	I-131	-2.39E-03	3.90E-03	1.15E-02	U
CF	01	413222009	12/21/2016	I-131	6.26E-04	2.34E-03	8.33E-03	U
CF	02	388988010	1/6/2016	I-131	3.99E-03	5.87E-03	1.87E-02	U
CF	02	389867010	1/20/2016	I-131	4.32E-03	7.93E-03	2.70E-02	U
CF	02	390815010	2/3/2016	I-131	2.25E-03	5.82E-03	1.97E-02	U
CF	02	391690010	2/17/2016	I-131	-2.83E-04	5.15E-03	1.63E-02	U
CF	02	392592010	3/1/2016	I-131	3.09E-03	6.28E-03	2.14E-02	U
CF	02	393488010	3/16/2016	I-131	3.03E-03	4.66E-03	1.58E-02	U
CF	02	394179010	3/30/2016	I-131	2.07E-03	4.64E-03	1.64E-02	U
CF	02	395510010	4/13/2016	I-131	6.10E-03	5.93E-03	2.15E-02	U
CF	02	396329010	4/27/2016	I-131	-1.34E-03	3.79E-03	1.20E-02	U
CF	02	397481010	5/11/2016	I-131	-1.83E-03	5.02E-03	1.55E-02	U
CF	02	398362010	5/24/2016	I-131	-7.56E-03	7.32E-03	2.06E-02	U
CF	02	399253010	6/8/2016	I-131	-1.20E-03	6.39E-03	2.07E-02	U
CF	02	400149010	6/22/2016	I-131	8.58E-03	1.04E-02	3.47E-02	U
CF	02	401222010	7/6/2016	I-131	2.81E-04	4.80E-03	1.57E-02	U
CF	02	402111010	7/19/2016	I-131	3.91E-03	2.95E-03	1.17E-02	U
CF	02	403263010	8/3/2016	I-131	-5.15E-03	5.38E-03	1.50E-02	U
CF	02	404118010	8/17/2016	I-131	3.08E-04	2.92E-03	9.86E-03	U
CF	02	405188010	8/31/2016	I-131	-3.38E-04	3.12E-03	1.04E-02	U
CF	02	406287010	9/16/2016	I-131	-6.83E-03	4.20E-03	6.20E-03	U
CF	02	407093010	9/28/2016	I-131	-2.49E-03	3.34E-03	9.18E-03	U
CF	02	408342010	10/12/2016	I-131	3.18E-03	3.66E-03	1.39E-02	U
CF	02	409323010	10/26/2016	I-131	1.87E-03	3.39E-03	1.18E-02	U
CF	02	410535010	11/8/2016	I-131	-3.46E-03	5.22E-03	1.63E-02	U
CF	02	411356010	11/23/2016	I-131	-1.66E-03	2.21E-03	6.59E-03	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m^3)	STD.DEV. (pCi/m^3)	MDC (pCi/m^3)	FLAGS
CF	02	412445010	12/7/2016	I-131	-3.00E-03	5.84E-03	1.78E-02	U
CF	02	413222010	12/21/2016	I-131	-1.51E-03	2.73E-03	7.78E-03	U
CF	03	388988011	1/6/2016	I-131	-1.77E-03	4.63E-03	1.40E-02	U
CF	03	389867011	1/20/2016	I-131	-2.08E-03	3.41E-03	1.03E-02	U
CF	03	390815011	2/3/2016	I-131	2.93E-03	4.20E-03	1.53E-02	U
CF	03	391690011	2/17/2016	I-131	3.09E-04	3.72E-03	1.27E-02	U
CF	03	392592011	3/1/2016	I-131	-7.63E-03	5.07E-03	1.22E-02	U
CF	03	393488011	3/16/2016	I-131	1.93E-03	3.52E-03	1.23E-02	U
CF	03	394179011	3/30/2016	I-131	-4.82E-03	4.36E-03	1.20E-02	U
CF	03	395510011	4/13/2016	I-131	1.85E-03	6.46E-03	2.20E-02	U
CF	03	396329011	4/27/2016	I-131	3.22E-03	3.58E-03	1.31E-02	U
CF	03	397481011	5/11/2016	I-131	6.48E-03	8.51E-03	3.04E-02	U
CF	03	398362011	5/24/2016	I-131	5.79E-03	6.09E-03	2.19E-02	U
CF	03	399253011	6/8/2016	I-131	2.80E-03	4.55E-03	1.62E-02	U
CF	03	400149011	6/22/2016	I-131	-6.81E-03	7.36E-03	1.98E-02	U
CF	03	401222011	7/6/2016	I-131	-3.40E-03	4.63E-03	1.32E-02	U
CF	03	402111011	7/19/2016	I-131	-3.57E-03	6.47E-03	1.90E-02	U
CF	03	403263011	8/3/2016	I-131	-2.27E-03	6.26E-03	1.99E-02	U
CF	03	404118011	8/17/2016	I-131	-3.04E-03	2.75E-03	6.57E-03	U
CF	03	405188011	8/31/2016	I-131	-4.63E-03	5.01E-03	1.39E-02	U
CF	03	406287011	9/16/2016	I-131	4.86E-03	5.71E-03	2.05E-02	U
CF	03	407093011	9/28/2016	I-131	2.73E-03	4.66E-03	1.70E-02	U
CF	03	408342011	10/12/2016	I-131	-2.49E-03	3.86E-03	1.17E-02	U
CF	03	409323011	10/26/2016	I-131	-4.11E-03	3.18E-03	7.36E-03	U
CF	03	410535011	11/8/2016	I-131	2.86E-03	4.67E-03	1.69E-02	U
CF	03	411356011	11/23/2016	I-131	-1.04E-03	2.53E-03	8.05E-03	U
CF	03	412445011	12/7/2016	I-131	1.50E-03	3.29E-03	1.18E-02	U
CF	03	413222011	12/21/2016	I-131	1.67E-03	2.73E-03	9.86E-03	U
CF	04	388988012	1/6/2016	I-131	1.35E-03	5.90E-03	1.99E-02	U
CF	04	389867012	1/20/2016	I-131	4.92E-04	3.76E-03	1.29E-02	U
CF	04	390815012	2/3/2016	I-131	8.94E-03	4.42E-03	1.71E-02	U
CF	04	391690012	2/17/2016	I-131	-2.14E-03	4.30E-03	1.34E-02	U
CF	04	392592012	3/1/2016	I-131	-8.76E-04	5.45E-03	1.78E-02	U
CF	04	393488012	3/16/2016	I-131	-4.99E-04	3.56E-03	9.91E-03	U
CF	04	394179012	3/30/2016	I-131	-2.50E-03	4.76E-03	1.39E-02	U
CF	04	395510012	4/13/2016	I-131	0.00E+00	3.59E-03	8.49E-03	U
CF	04	396329012	4/27/2016	I-131	-4.47E-03	4.83E-03	1.39E-02	U
CF	04	397481012	5/11/2016	I-131	3.78E-05	4.05E-03	1.35E-02	U
CF	04	398362012	5/24/2016	I-131	-5.92E-03	6.30E-03	1.74E-02	U
CF	04	399253012	6/8/2016	I-131	-7.25E-03	5.11E-03	1.05E-02	U
CF	04	400149012	6/22/2016	I-131	1.62E-03	4.72E-03	1.65E-02	U
CF	04	401222012	7/6/2016	I-131	-1.47E-03	4.30E-03	1.33E-02	U
CF	04	402111012	7/19/2016	I-131	5.36E-04	4.63E-03	1.56E-02	U
CF	04	403263012	8/3/2016	I-131	-2.40E-03	4.30E-03	1.24E-02	U
CF	04	404118012	8/17/2016	I-131	2.00E-04	3.00E-03	9.84E-03	U
CF	04	405188012	8/31/2016	I-131	-8.43E-04	2.75E-03	8.62E-03	U
CF	04	406287012	9/16/2016	I-131	1.58E-03	2.71E-03	1.03E-02	U
CF	04	407093012	9/28/2016	I-131	-1.61E-03	4.12E-03	1.29E-02	U
CF	04	408342012	10/12/2016	I-131	3.11E-03	4.21E-03	1.54E-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	409323012	10/26/2016	I-131	3.65E-03	2.72E-03	1.20E-02	U
CF	04	410535012	11/8/2016	I-131	2.48E-03	3.73E-03	1.30E-02	U
CF	04	411356012	11/23/2016	I-131	2.12E-03	2.18E-03	8.04E-03	U
CF	04	412445012	12/7/2016	I-131	-2.52E-03	2.70E-03	6.42E-03	U
CF	04	413222012	12/21/2016	I-131	-1.51E-03	3.03E-03	9.01E-03	U
CF	05	388988013	1/6/2016	I-131	-3.45E-03	3.60E-03	9.48E-03	U
CF	05	389867013	1/20/2016	I-131	2.79E-03	4.85E-03	1.71E-02	U
CF	05	390815013	2/3/2016	I-131	2.82E-03	5.43E-03	1.90E-02	U
CF	05	391690013	2/17/2016	I-131	1.93E-02	6.76E-03	2.12E-02	U
CF	05	392592013	3/1/2016	I-131	-1.80E-02	1.16E-02	2.54E-02	U
CF	05	393488013	3/16/2016	I-131	-1.57E-03	4.95E-03	1.54E-02	U
CF	05	394179013	3/30/2016	I-131	-8.47E-03	6.90E-03	1.65E-02	U
CF	05	395510013	4/13/2016	I-131	-5.72E-04	6.13E-03	2.04E-02	U
CF	05	396329013	4/27/2016	I-131	-3.58E-03	5.42E-03	1.58E-02	U
CF	05	397481013	5/11/2016	I-131	1.08E-04	6.58E-03	2.21E-02	U
CF	05	398362013	5/24/2016	I-131	9.68E-03	6.15E-03	2.31E-02	U
CF	05	399253013	6/8/2016	I-131	2.74E-03	4.11E-03	1.50E-02	U
CF	05	400149013	6/22/2016	I-131	-7.63E-03	6.03E-03	1.24E-02	U
CF	05	401222013	7/6/2016	I-131	1.47E-04	4.68E-03	1.53E-02	U
CF	05	402111013	7/19/2016	I-131	3.58E-03	3.66E-03	1.35E-02	U
CF	05	403263013	8/3/2016	I-131	3.98E-03	4.92E-03	1.77E-02	U
CF	05	404118013	8/17/2016	I-131	1.69E-03	2.53E-03	9.50E-03	U
CF	05	405188013	8/31/2016	I-131	3.08E-03	2.45E-03	9.81E-03	U
CF	05	406287013	9/16/2016	I-131	1.46E-03	3.04E-03	1.11E-02	U
CF	05	407093013	9/28/2016	I-131	-2.99E-03	5.84E-03	1.75E-02	U
CF	05	408342013	10/12/2016	I-131	-3.15E-03	2.67E-03	6.38E-03	U
CF	05	409323013	10/26/2016	I-131	-9.98E-03	4.66E-03	6.53E-03	U
CF	05	410535013	11/8/2016	I-131	-3.78E-03	4.22E-03	1.16E-02	U
CF	05	411356013	11/23/2016	I-131	-2.02E-03	2.87E-03	8.57E-03	U
CF	05	412445013	12/7/2016	I-131	3.91E-03	5.76E-03	2.14E-02	U
CF	05	413222013	12/21/2016	I-131	-4.25E-03	2.96E-03	4.71E-03	U
CF	07	388988014	1/6/2016	I-131	1.25E-02	5.71E-03	2.12E-02	U
CF	07	389867014	1/20/2016	I-131	-1.48E-03	4.75E-03	1.54E-02	U
CF	07	390815014	2/3/2016	I-131	1.16E-02	4.14E-03	1.42E-02	U
CF	07	391690014	2/17/2016	I-131	2.70E-03	3.21E-03	1.25E-02	U
CF	07	392592014	3/1/2016	I-131	1.20E-03	3.44E-03	1.20E-02	U
CF	07	393488014	3/16/2016	I-131	6.89E-03	5.91E-03	2.23E-02	U
CF	07	394179014	3/30/2016	I-131	-1.23E-03	5.13E-03	1.66E-02	U
CF	07	395510014	4/13/2016	I-131	-3.05E-03	7.27E-03	2.32E-02	U
CF	07	396329014	4/27/2016	I-131	8.51E-03	4.33E-03	1.79E-02	U
CF	07	397481014	5/11/2016	I-131	6.84E-03	5.61E-03	1.37E-02	U
CF	07	398362014	5/24/2016	I-131	5.34E-03	6.12E-03	2.22E-02	U
CF	07	399253014	6/8/2016	I-131	-1.06E-04	4.65E-03	1.51E-02	U
CF	07	400149014	6/22/2016	I-131	5.29E-03	5.59E-03	1.96E-02	U
CF	07	401222014	7/6/2016	I-131	1.21E-03	4.03E-03	1.40E-02	U
CF	07	402111014	7/19/2016	I-131	3.65E-03	3.49E-03	1.29E-02	U
CF	07	403263014	8/3/2016	I-131	1.95E-03	5.77E-03	2.00E-02	U
CF	07	404118014	8/17/2016	I-131	3.84E-03	3.56E-03	1.31E-02	U
CF	07	405188014	8/31/2016	I-131	-6.16E-03	3.53E-03	5.63E-03	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m^3)	STD.DEV. (pCi/m^3)	MDC (pCi/m^3)	FLAGS
CF	07	406287014	9/16/2016	I-131	5.10E-03	4.19E-03	1.60E-02	U
CF	07	407093014	9/28/2016	I-131	1.24E-03	3.48E-03	1.25E-02	U
CF	07	408342014	10/12/2016	I-131	-1.33E-03	2.62E-03	5.75E-03	U
CF	07	409323014	10/26/2016	I-131	2.64E-03	3.59E-03	1.34E-02	U
CF	07	410535014	11/9/2016	I-131	2.66E-03	3.54E-03	1.34E-02	U
CF	07	411356014	11/23/2016	I-131	-3.59E-04	2.27E-03	7.52E-03	U
CF	07	412445014	12/7/2016	I-131	1.90E-03	2.74E-03	1.10E-02	U
CF	07	413222014	12/21/2016	I-131	3.95E-04	2.88E-03	9.68E-03	U
CF	08	388988015	1/6/2016	I-131	-3.81E-03	5.53E-03	1.65E-02	U
CF	08	389867015	1/20/2016	I-131	-1.63E-03	4.83E-03	1.48E-02	U
CF	08	390815015	2/3/2016	I-131	7.74E-03	4.45E-03	1.76E-02	U
CF	08	391690015	2/17/2016	I-131	-1.41E-03	2.44E-03	6.48E-03	U
CF	08	392592015	3/1/2016	I-131	-9.54E-04	3.76E-03	1.21E-02	U
CF	08	393488015	3/16/2016	I-131	2.82E-03	4.15E-03	1.53E-02	U
CF	08	394179015	3/30/2016	I-131	-1.44E-03	5.29E-03	1.67E-02	U
CF	08	395510015	4/13/2016	I-131	3.80E-04	4.52E-03	1.54E-02	U
CF	08	396329015	4/27/2016	I-131	1.00E-02	4.84E-03	1.88E-02	U
CF	08	397481015	5/11/2016	I-131	6.03E-03	9.78E-03	3.04E-02	U
CF	08	398362015	5/24/2016	I-131	4.28E-03	5.20E-03	1.92E-02	U
CF	08	399253015	6/8/2016	I-131	2.21E-03	7.46E-03	2.20E-02	U
CF	08	400149015	6/22/2016	I-131	7.18E-03	8.66E-03	3.03E-02	U
CF	08	401222015	7/6/2016	I-131	6.00E-03	6.70E-03	2.42E-02	U
CF	08	402111015	7/19/2016	I-131	5.40E-05	3.93E-03	1.28E-02	U
CF	08	403263015	8/3/2016	I-131	-7.17E-03	7.15E-03	2.04E-02	U
CF	08	404118015	8/17/2016	I-131	3.19E-03	3.66E-03	1.36E-02	U
CF	08	405188015	8/31/2016	I-131	-4.82E-03	3.93E-03	9.56E-03	U
CF	08	406287015	9/16/2016	I-131	2.27E-03	3.92E-03	1.37E-02	U
CF	08	407093015	9/28/2016	I-131	-5.69E-03	4.40E-03	1.02E-02	U
CF	08	408342015	10/12/2016	I-131	-4.84E-05	2.96E-03	9.84E-03	U
CF	08	409323015	10/26/2016	I-131	6.00E-03	4.30E-03	1.64E-02	U
CF	08	410535015	11/9/2016	I-131	-4.88E-03	3.40E-03	6.86E-03	U
CF	08	411356015	11/23/2016	I-131	9.52E-04	2.18E-03	7.64E-03	U
CF	08	412445015	12/7/2016	I-131	7.58E-03	4.93E-03	1.91E-02	U
CF	08	413222015	12/21/2016	I-131	2.58E-03	2.85E-03	1.06E-02	U
CF	09	388988016	1/6/2016	I-131	-6.08E-04	5.34E-03	1.72E-02	U
CF	09	389867016	1/20/2016	I-131	-3.58E-03	4.52E-03	1.25E-02	U
CF	09	390815016	2/3/2016	I-131	-5.70E-03	4.00E-03	9.79E-03	U
CF	09	391690016	2/17/2016	I-131	-5.02E-03	4.20E-03	1.05E-02	U
CF	09	392592016	3/1/2016	I-131	-3.65E-03	4.50E-03	1.28E-02	U
CF	09	393488016	3/16/2016	I-131	-3.78E-03	4.25E-03	1.05E-02	U
CF	09	394179016	3/30/2016	I-131	6.35E-03	4.19E-03	1.59E-02	U
CF	09	395510016	4/13/2016	I-131	5.33E-03	5.09E-03	1.86E-02	U
CF	09	396329016	4/27/2016	I-131	-3.98E-03	3.40E-03	8.62E-03	U
CF	09	397481016	5/11/2016	I-131	-5.87E-03	4.43E-03	9.86E-03	U
CF	09	398362016	5/24/2016	I-131	-8.45E-03	6.38E-03	1.56E-02	U
CF	09	399253016	6/8/2016	I-131	-3.68E-03	4.54E-03	1.29E-02	U
CF	09	400149016	6/22/2016	I-131	2.55E-03	4.26E-03	1.59E-02	U
CF	09	401222016	7/6/2016	I-131	3.40E-03	4.31E-03	1.56E-02	U
CF	09	402111016	7/19/2016	I-131	-3.54E-04	3.19E-03	1.04E-02	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/m^3)	STD.DEV. (pCi/m^3)	MDC (pCi/m^3)	FLAGS
CF	09	403263016	8/3/2016	I-131	-8.48E-03	6.05E-03	1.41E-02	U
CF	09	404118016	8/17/2016	I-131	3.24E-03	4.03E-03	1.44E-02	U
CF	09	405188016	8/31/2016	I-131	7.64E-04	2.59E-03	9.00E-03	U
CF	09	406287016	9/16/2016	I-131	-2.50E-03	2.97E-03	7.16E-03	U
CF	09	407093016	9/28/2016	I-131	2.36E-03	3.83E-03	1.43E-02	U
CF	09	408342016	10/12/2016	I-131	6.08E-03	4.24E-03	1.67E-02	U
CF	09	409323016	10/26/2016	I-131	-3.15E-03	3.96E-03	9.52E-03	U
CF	09	410535016	11/8/2016	I-131	-2.72E-03	6.05E-03	1.96E-02	U
CF	09	411356016	11/23/2016	I-131	-1.43E-03	2.26E-03	6.57E-03	U
CF	09	412445016	12/7/2016	I-131	2.09E-03	4.90E-03	1.73E-02	U
CF	09	413222016	12/21/2016	I-131	7.94E-03	5.00E-03	2.01E-02	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
FH	03	391779001	2/17/2016	Ac-228	-3.77E+01	5.07E+01	1.32E+02	U
FH	03	391779001	2/17/2016	Ag-108m	4.04E-01	6.60E+00	2.18E+01	U
FH	03	391779001	2/17/2016	Ag-110m	-1.38E+01	1.26E+01	3.73E+01	U
FH	03	391779001	2/17/2016	Ba-140	1.31E+01	4.74E+01	1.33E+02	U
FH	03	391779001	2/17/2016	Be-7	6.53E+01	6.59E+01	2.17E+02	U
FH	03	391779001	2/17/2016	Bi-214	-2.21E+01	2.32E+01	6.31E+01	U
FH	03	391779001	2/17/2016	Ce-141	2.05E+01	1.91E+01	3.97E+01	U
FH	03	391779001	2/17/2016	Ce-144	3.18E+01	4.35E+01	1.37E+02	U
FH	03	391779001	2/17/2016	Co-57	2.22E+00	6.52E+00	1.88E+01	U
FH	03	391779001	2/17/2016	Co-58	3.94E-01	8.19E+00	2.67E+01	U
FH	03	391779001	2/17/2016	Co-60	-7.20E+00	9.38E+00	2.94E+01	U
FH	03	391779001	2/17/2016	Cr-51	6.36E+00	7.20E+01	2.33E+02	U
FH	03	391779001	2/17/2016	Cs-134	-2.14E+01	1.08E+01	2.86E+01	U
FH	03	391779001	2/17/2016	Cs-137	1.54E+01	8.81E+00	2.84E+01	U
FH	03	391779001	2/17/2016	Fe-59	-1.78E+01	1.82E+01	5.53E+01	U
FH	03	391779001	2/17/2016	I-131	1.46E+00	1.32E+01	4.44E+01	U
FH	03	391779001	2/17/2016	K-40	3.05E+03	2.69E+02	2.49E+02	
FH	03	391779001	2/17/2016	La-140	-3.12E+01	1.80E+01	3.71E+01	U
FH	03	391779001	2/17/2016	Mn-54	-1.26E+01	9.57E+00	2.80E+01	U
FH	03	391779001	2/17/2016	Nb-95	5.46E+00	9.78E+00	2.77E+01	U
FH	03	391779001	2/17/2016	Pb-212	4.00E+00	2.16E+01	4.33E+01	U
FH	03	391779001	2/17/2016	Pb-214	-1.38E+01	2.06E+01	5.97E+01	U
FH	03	391779001	2/17/2016	Ra-226	-2.21E+01	2.32E+01	6.31E+01	U
FH	03	391779001	2/17/2016	Ru-103	5.30E+00	8.43E+00	2.41E+01	U
FH	03	391779001	2/17/2016	Ru-106	-5.53E+01	7.73E+01	2.48E+02	U
FH	03	391779001	2/17/2016	Sb-124	1.56E+01	1.73E+01	5.82E+01	U
FH	03	391779001	2/17/2016	Sb-125	-9.19E+00	2.04E+01	6.60E+01	U
FH	03	391779001	2/17/2016	Se-75	-1.88E+01	1.21E+01	2.99E+01	U
FH	03	391779001	2/17/2016	Th-228	4.00E+00	2.16E+01	4.33E+01	U
FH	03	391779001	2/17/2016	Th-230	-2.21E+01	2.32E+01	6.31E+01	U
FH	03	391779001	2/17/2016	Tl-208	7.69E+00	1.13E+01	2.66E+01	U
FH	03	391779001	2/17/2016	Zn-65	9.85E+00	1.78E+01	5.92E+01	U
FH	03	391779001	2/17/2016	Zr-95	-1.34E+01	1.48E+01	4.55E+01	U
FH	03	398423001	5/25/2016	Ac-228	1.70E+01	1.29E+01	4.32E+01	U
FH	03	398423001	5/25/2016	Ag-108m	2.13E+00	2.37E+00	7.82E+00	U
FH	03	398423001	5/25/2016	Ag-110m	-5.10E-01	3.43E+00	1.10E+01	U
FH	03	398423001	5/25/2016	Ba-140	-2.80E+01	2.37E+01	7.04E+01	U
FH	03	398423001	5/25/2016	Be-7	-6.08E+01	2.94E+01	7.55E+01	U
FH	03	398423001	5/25/2016	Bi-214	-4.45E+00	6.51E+00	1.94E+01	U
FH	03	398423001	5/25/2016	Ce-141	-3.83E+00	6.15E+00	1.94E+01	U
FH	03	398423001	5/25/2016	Ce-144	2.78E+00	1.72E+01	5.80E+01	U
FH	03	398423001	5/25/2016	Co-57	4.75E+00	2.43E+00	7.76E+00	U
FH	03	398423001	5/25/2016	Co-58	-4.12E+00	3.05E+00	8.35E+00	U
FH	03	398423001	5/25/2016	Co-60	6.47E-01	3.43E+00	1.16E+01	U
FH	03	398423001	5/25/2016	Cr-51	2.26E-01	3.43E+01	1.11E+02	U
FH	03	398423001	5/25/2016	Cs-134	-5.29E+00	3.94E+00	9.06E+00	U
FH	03	398423001	5/25/2016	Cs-137	-2.97E-01	2.66E+00	8.76E+00	U
FH	03	398423001	5/25/2016	Fe-59	7.63E+00	8.02E+00	2.79E+01	U
FH	03	398423001	5/25/2016	I-131	-1.98E+01	1.38E+01	3.85E+01	U
FH	03	398423001	5/25/2016	K-40	3.28E+03	2.00E+02	6.95E+01	

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
FH	03	398423001	5/25/2016	La-140	1.66E+00	8.24E+00	2.77E+01	U
FH	03	398423001	5/25/2016	Mn-54	-3.09E+00	2.98E+00	8.73E+00	U
FH	03	398423001	5/25/2016	Nb-95	-1.80E+00	3.19E+00	9.98E+00	U
FH	03	398423001	5/25/2016	Pb-212	7.14E+00	8.96E+00	1.66E+01	U
FH	03	398423001	5/25/2016	Pb-214	7.70E+00	7.00E+00	2.23E+01	U
FH	03	398423001	5/25/2016	Ra-226	-4.45E+00	6.51E+00	1.94E+01	U
FH	03	398423001	5/25/2016	Ru-103	-2.89E+00	3.23E+00	1.01E+01	U
FH	03	398423001	5/25/2016	Ru-106	-4.54E+00	2.40E+01	7.89E+01	U
FH	03	398423001	5/25/2016	Sb-124	-8.96E-01	6.62E+00	2.12E+01	U
FH	03	398423001	5/25/2016	Sb-125	3.57E+00	7.04E+00	2.31E+01	U
FH	03	398423001	5/25/2016	Se-75	-1.89E+00	4.02E+00	1.19E+01	U
FH	03	398423001	5/25/2016	Th-228	7.14E+00	8.96E+00	1.66E+01	U
FH	03	398423001	5/25/2016	Th-230	-4.45E+00	6.51E+00	1.94E+01	U
FH	03	398423001	5/25/2016	Tl-208	1.72E+00	3.03E+00	1.04E+01	U
FH	03	398423001	5/25/2016	Zn-65	-6.58E+00	7.89E+00	2.46E+01	U
FH	03	398423001	5/25/2016	Zr-95	-1.00E+01	6.44E+00	1.75E+01	U
FH	03	404687001	8/24/2016	Ac-228	1.85E+01	1.20E+01	1.94E+01	U
FH	03	404687001	8/24/2016	Ag-108m	-7.63E-02	9.46E-01	3.09E+00	U
FH	03	404687001	8/24/2016	Ag-110m	5.06E+00	3.04E+00	5.38E+00	U
FH	03	404687001	8/24/2016	Ba-140	-1.95E+00	8.79E+00	2.82E+01	U
FH	03	404687001	8/24/2016	Be-7	4.13E+00	1.15E+01	3.38E+01	U
FH	03	404687001	8/24/2016	Bi-214	2.10E+00	5.41E+00	9.16E+00	U
FH	03	404687001	8/24/2016	Ce-141	-8.62E+00	3.89E+00	6.51E+00	U
FH	03	404687001	8/24/2016	Ce-144	2.95E+00	6.83E+00	2.15E+01	U
FH	03	404687001	8/24/2016	Co-57	5.28E-01	9.85E-01	2.87E+00	U
FH	03	404687001	8/24/2016	Co-58	-1.83E+00	1.25E+00	3.73E+00	U
FH	03	404687001	8/24/2016	Co-60	2.82E+00	1.43E+00	4.62E+00	U
FH	03	404687001	8/24/2016	Cr-51	-4.52E+00	1.18E+01	3.88E+01	U
FH	03	404687001	8/24/2016	Cs-134	-3.41E+00	1.53E+00	4.00E+00	U
FH	03	404687001	8/24/2016	Cs-137	-2.75E+00	2.25E+00	5.22E+00	U
FH	03	404687001	8/24/2016	Fe-59	-3.07E+00	3.44E+00	9.27E+00	U
FH	03	404687001	8/24/2016	I-131	3.94E+00	3.74E+00	1.24E+01	U
FH	03	404687001	8/24/2016	K-40	3.48E+03	1.19E+02	3.74E+01	
FH	03	404687001	8/24/2016	La-140	3.77E-01	2.39E+00	7.80E+00	U
FH	03	404687001	8/24/2016	Mn-54	5.29E-01	1.21E+00	4.13E+00	U
FH	03	404687001	8/24/2016	Nb-95	1.59E-01	1.89E+00	4.74E+00	U
FH	03	404687001	8/24/2016	Pb-212	1.79E+00	3.53E+00	6.17E+00	U
FH	03	404687001	8/24/2016	Pb-214	-2.02E+00	3.36E+00	8.33E+00	U
FH	03	404687001	8/24/2016	Ra-226	2.10E+00	5.41E+00	9.16E+00	U
FH	03	404687001	8/24/2016	Ru-103	1.33E+00	1.29E+00	4.24E+00	U
FH	03	404687001	8/24/2016	Ru-106	1.73E+01	1.14E+01	3.64E+01	U
FH	03	404687001	8/24/2016	Sb-124	-1.08E+00	2.69E+00	8.29E+00	U
FH	03	404687001	8/24/2016	Sb-125	4.18E+00	3.20E+00	1.04E+01	U
FH	03	404687001	8/24/2016	Se-75	-1.33E-01	1.40E+00	4.69E+00	U
FH	03	404687001	8/24/2016	Th-228	1.79E+00	3.53E+00	6.17E+00	U
FH	03	404687001	8/24/2016	Th-230	2.10E+00	5.41E+00	9.16E+00	U
FH	03	404687001	8/24/2016	Tl-208	8.37E-01	2.63E+00	3.71E+00	U
FH	03	404687001	8/24/2016	Zn-65	-1.46E+00	3.45E+00	9.75E+00	U
FH	03	404687001	8/24/2016	Zr-95	2.06E-01	2.20E+00	7.50E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
FH	03	411211001	11/14/2016	Ac-228	3.90E+01	6.01E+01	1.35E+02	U
FH	03	411211001	11/14/2016	Ag-108m	2.00E+00	5.78E+00	1.98E+01	U
FH	03	411211001	11/14/2016	Ag-110m	-7.15E+00	1.21E+01	3.84E+01	U
FH	03	411211001	11/14/2016	Ba-140	5.11E+01	1.04E+02	3.55E+02	U
FH	03	411211001	11/14/2016	Be-7	-1.73E+01	8.47E+01	2.77E+02	U
FH	03	411211001	11/14/2016	Bi-214	-2.56E+01	2.25E+01	6.63E+01	U
FH	03	411211001	11/14/2016	Ce-141	3.12E+00	1.50E+01	4.90E+01	U
FH	03	411211001	11/14/2016	Ce-144	-1.89E+01	4.00E+01	1.26E+02	U
FH	03	411211001	11/14/2016	Co-57	-2.27E+00	4.96E+00	1.58E+01	U
FH	03	411211001	11/14/2016	Co-58	1.75E+01	1.05E+01	3.66E+01	U
FH	03	411211001	11/14/2016	Co-60	-1.61E+01	1.24E+01	2.95E+01	U
FH	03	411211001	11/14/2016	Cr-51	-1.48E+01	8.94E+01	3.02E+02	U
FH	03	411211001	11/14/2016	Cs-134	-8.94E+00	9.66E+00	2.68E+01	U
FH	03	411211001	11/14/2016	Cs-137	-1.14E+01	9.39E+00	2.62E+01	U
FH	03	411211001	11/14/2016	Fe-59	-1.24E+01	2.64E+01	8.37E+01	U
FH	03	411211001	11/14/2016	I-131	2.99E+01	6.01E+01	2.08E+02	U
FH	03	411211001	11/14/2016	K-40	3.00E+03	3.14E+02	2.86E+02	
FH	03	411211001	11/14/2016	La-140	6.28E+01	3.76E+01	1.42E+02	U
FH	03	411211001	11/14/2016	Mn-54	1.34E+01	9.04E+00	3.14E+01	U
FH	03	411211001	11/14/2016	Nb-95	1.33E+01	9.88E+00	3.46E+01	U
FH	03	411211001	11/14/2016	Pb-212	2.09E+01	1.83E+01	5.49E+01	U
FH	03	411211001	11/14/2016	Pb-214	-1.42E+01	1.94E+01	6.20E+01	U
FH	03	411211001	11/14/2016	Ra-226	-2.56E+01	2.25E+01	6.63E+01	U
FH	03	411211001	11/14/2016	Ru-103	1.31E+01	1.17E+01	4.04E+01	U
FH	03	411211001	11/14/2016	Ru-106	-9.62E+01	8.09E+01	2.24E+02	U
FH	03	411211001	11/14/2016	Sb-124	-5.84E+00	3.10E+01	9.69E+01	U
FH	03	411211001	11/14/2016	Sb-125	7.14E+00	2.04E+01	6.97E+01	U
FH	03	411211001	11/14/2016	Se-75	-1.24E+01	1.10E+01	3.02E+01	U
FH	03	411211001	11/14/2016	Th-228	2.09E+01	1.83E+01	5.49E+01	U
FH	03	411211001	11/14/2016	Th-230	-2.56E+01	2.25E+01	6.63E+01	U
FH	03	411211001	11/14/2016	Tl-208	6.86E+00	1.13E+01	3.80E+01	U
FH	03	411211001	11/14/2016	Zn-65	-1.85E+01	2.37E+01	7.21E+01	U
FH	03	411211001	11/14/2016	Zr-95	1.39E+01	1.87E+01	6.36E+01	U
FH	53	398423002	5/25/2016	Ac-228	0.00E+00	1.79E+01	4.65E+01	U
FH	53	398423002	5/25/2016	Ag-108m	-3.22E+00	2.63E+00	6.46E+00	U
FH	53	398423002	5/25/2016	Ag-110m	-3.33E+00	3.57E+00	1.05E+01	U
FH	53	398423002	5/25/2016	Ba-140	-2.66E+01	3.73E+01	1.12E+02	U
FH	53	398423002	5/25/2016	Be-7	5.23E+00	2.96E+01	8.46E+01	U
FH	53	398423002	5/25/2016	Bi-214	2.63E+00	6.24E+00	2.03E+01	U
FH	53	398423002	5/25/2016	Ce-141	-1.42E+01	7.27E+00	1.85E+01	U
FH	53	398423002	5/25/2016	Ce-144	1.68E+01	1.44E+01	4.69E+01	U
FH	53	398423002	5/25/2016	Co-57	-1.74E-02	1.92E+00	6.28E+00	U
FH	53	398423002	5/25/2016	Co-58	-6.51E-01	3.60E+00	1.17E+01	U
FH	53	398423002	5/25/2016	Co-60	-3.50E+00	2.94E+00	8.24E+00	U
FH	53	398423002	5/25/2016	Cr-51	3.09E+01	3.93E+01	1.32E+02	U
FH	53	398423002	5/25/2016	Cs-134	8.80E-01	2.94E+00	9.82E+00	U
FH	53	398423002	5/25/2016	Cs-137	0.00E+00	3.92E+00	7.62E+00	U
FH	53	398423002	5/25/2016	Fe-59	-9.67E-01	8.92E+00	2.97E+01	U
FH	53	398423002	5/25/2016	I-131	1.11E+01	2.68E+01	8.96E+01	U
FH	53	398423002	5/25/2016	K-40	3.49E+03	2.10E+02	7.76E+01	

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
FH	53	398423002	5/25/2016	La-140	-1.55E+01	1.15E+01	2.74E+01	U
FH	53	398423002	5/25/2016	Mn-54	2.38E+00	2.89E+00	9.75E+00	U
FH	53	398423002	5/25/2016	Nb-95	2.30E+00	3.13E+00	1.07E+01	U
FH	53	398423002	5/25/2016	Pb-212	0.00E+00	8.70E+00	1.86E+01	U
FH	53	398423002	5/25/2016	Pb-214	1.07E+01	7.86E+00	2.10E+01	U
FH	53	398423002	5/25/2016	Ra-226	2.63E+00	6.24E+00	2.03E+01	U
FH	53	398423002	5/25/2016	Ru-103	-4.24E+00	3.95E+00	1.15E+01	U
FH	53	398423002	5/25/2016	Ru-106	-1.33E+01	2.23E+01	7.13E+01	U
FH	53	398423002	5/25/2016	Sb-124	1.06E+00	5.40E+00	1.86E+01	U
FH	53	398423002	5/25/2016	Sb-125	8.76E+00	1.33E+01	2.19E+01	U
FH	53	398423002	5/25/2016	Se-75	-5.96E+00	3.52E+00	1.00E+01	U
FH	53	398423002	5/25/2016	Th-228	0.00E+00	8.70E+00	1.86E+01	U
FH	53	398423002	5/25/2016	Th-230	2.63E+00	6.24E+00	2.03E+01	U
FH	53	398423002	5/25/2016	Tl-208	7.15E+00	3.16E+00	7.90E+00	U
FH	53	398423002	5/25/2016	Zn-65	-1.68E+01	7.87E+00	1.86E+01	U
FH	53	398423002	5/25/2016	Zr-95	1.01E+01	6.85E+00	2.30E+01	U
FH	53	404687002	8/18/2016	Ac-228	-7.22E+00	9.69E+00	2.30E+01	U
FH	53	404687002	8/18/2016	Ag-108m	-1.62E-01	1.25E+00	4.08E+00	U
FH	53	404687002	8/18/2016	Ag-110m	-1.02E+00	2.35E+00	7.69E+00	U
FH	53	404687002	8/18/2016	Ba-140	1.43E+01	1.58E+01	5.17E+01	U
FH	53	404687002	8/18/2016	Be-7	1.31E+01	1.47E+01	4.82E+01	U
FH	53	404687002	8/18/2016	Bi-214	8.37E+00	7.28E+00	1.20E+01	U
FH	53	404687002	8/18/2016	Ce-141	-7.12E+00	3.54E+00	9.28E+00	U
FH	53	404687002	8/18/2016	Ce-144	-1.40E+01	1.05E+01	2.67E+01	U
FH	53	404687002	8/18/2016	Co-57	2.98E-01	1.15E+00	3.66E+00	U
FH	53	404687002	8/18/2016	Co-58	-4.21E-01	1.81E+00	6.00E+00	U
FH	53	404687002	8/18/2016	Co-60	-1.06E-01	1.71E+00	5.50E+00	U
FH	53	404687002	8/18/2016	Cr-51	-1.11E+01	1.73E+01	5.60E+01	U
FH	53	404687002	8/18/2016	Cs-134	6.60E-01	1.79E+00	6.07E+00	U
FH	53	404687002	8/18/2016	Cs-137	1.96E+00	3.26E+00	4.52E+00	U
FH	53	404687002	8/18/2016	Fe-59	6.38E+00	4.57E+00	1.51E+01	U
FH	53	404687002	8/18/2016	I-131	-8.67E+00	8.09E+00	2.50E+01	U
FH	53	404687002	8/18/2016	K-40	3.73E+03	1.37E+02	4.18E+01	
FH	53	404687002	8/18/2016	La-140	-1.86E+00	4.28E+00	1.39E+01	U
FH	53	404687002	8/18/2016	Mn-54	2.69E+00	1.67E+00	5.55E+00	U
FH	53	404687002	8/18/2016	Nb-95	6.43E-01	1.85E+00	6.29E+00	U
FH	53	404687002	8/18/2016	Pb-212	-5.27E+00	3.92E+00	9.75E+00	U
FH	53	404687002	8/18/2016	Pb-214	-4.53E+00	4.25E+00	1.07E+01	U
FH	53	404687002	8/18/2016	Ra-226	8.37E+00	7.28E+00	1.20E+01	U
FH	53	404687002	8/18/2016	Ru-103	-2.82E+00	1.95E+00	5.58E+00	U
FH	53	404687002	8/18/2016	Ru-106	-1.48E+00	1.41E+01	4.47E+01	U
FH	53	404687002	8/18/2016	Sb-124	-4.53E+00	3.58E+00	1.02E+01	U
FH	53	404687002	8/18/2016	Sb-125	-4.05E-01	3.71E+00	1.21E+01	U
FH	53	404687002	8/18/2016	Se-75	2.36E-01	1.82E+00	6.14E+00	U
FH	53	404687002	8/18/2016	Th-228	-5.27E+00	3.92E+00	9.75E+00	U
FH	53	404687002	8/18/2016	Th-230	8.37E+00	7.28E+00	1.20E+01	U
FH	53	404687002	8/18/2016	Tl-208	3.20E+00	3.11E+00	4.64E+00	U
FH	53	404687002	8/18/2016	Zn-65	-7.12E-01	3.99E+00	1.30E+01	U
FH	53	404687002	8/18/2016	Zr-95	1.44E+00	3.20E+00	1.09E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
FH	53	411211002	11/14/2016	Ac-228	9.61E+00	1.65E+01	3.55E+01	U
FH	53	411211002	11/14/2016	Ag-108m	1.40E+00	2.10E+00	7.24E+00	U
FH	53	411211002	11/14/2016	Ag-110m	-1.83E+00	3.43E+00	1.03E+01	U
FH	53	411211002	11/14/2016	Ba-140	5.38E+01	3.36E+01	1.16E+02	U
FH	53	411211002	11/14/2016	Be-7	-7.28E+00	2.42E+01	7.89E+01	U
FH	53	411211002	11/14/2016	Bi-214	-4.41E+00	5.56E+00	1.59E+01	U
FH	53	411211002	11/14/2016	Ce-141	5.43E+00	5.28E+00	1.73E+01	U
FH	53	411211002	11/14/2016	Ce-144	-1.93E+01	1.36E+01	3.79E+01	U
FH	53	411211002	11/14/2016	Co-57	1.62E+00	1.92E+00	6.34E+00	U
FH	53	411211002	11/14/2016	Co-58	1.33E+00	2.89E+00	9.66E+00	U
FH	53	411211002	11/14/2016	Co-60	9.27E-01	2.62E+00	9.04E+00	U
FH	53	411211002	11/14/2016	Cr-51	2.36E+01	3.01E+01	1.05E+02	U
FH	53	411211002	11/14/2016	Cs-134	1.65E+00	2.51E+00	8.54E+00	U
FH	53	411211002	11/14/2016	Cs-137	5.19E+00	2.80E+00	6.53E+00	U
FH	53	411211002	11/14/2016	Fe-59	3.15E-01	6.97E+00	2.37E+01	U
FH	53	411211002	11/14/2016	I-131	-5.34E+00	1.69E+01	5.60E+01	U
FH	53	411211002	11/14/2016	K-40	3.14E+03	1.66E+02	6.02E+01	
FH	53	411211002	11/14/2016	La-140	-1.37E+01	8.74E+00	1.79E+01	U
FH	53	411211002	11/14/2016	Mn-54	1.70E+00	2.97E+00	8.99E+00	U
FH	53	411211002	11/14/2016	Nb-95	5.64E+00	4.90E+00	8.63E+00	U
FH	53	411211002	11/14/2016	Pb-212	7.96E+00	6.41E+00	1.63E+01	U
FH	53	411211002	11/14/2016	Pb-214	-1.93E+00	5.83E+00	1.85E+01	U
FH	53	411211002	11/14/2016	Ra-226	-4.41E+00	5.56E+00	1.59E+01	U
FH	53	411211002	11/14/2016	Ru-103	-9.13E-01	3.11E+00	1.01E+01	U
FH	53	411211002	11/14/2016	Ru-106	2.11E+01	2.34E+01	8.02E+01	U
FH	53	411211002	11/14/2016	Sb-124	-6.07E+00	4.71E+00	9.25E+00	U
FH	53	411211002	11/14/2016	Sb-125	-3.38E+00	5.74E+00	1.84E+01	U
FH	53	411211002	11/14/2016	Se-75	-3.89E+00	3.59E+00	1.01E+01	U
FH	53	411211002	11/14/2016	Th-228	7.96E+00	6.41E+00	1.63E+01	U
FH	53	411211002	11/14/2016	Th-230	-4.41E+00	5.56E+00	1.59E+01	U
FH	53	411211002	11/14/2016	Tl-208	-1.06E+00	3.13E+00	9.54E+00	U
FH	53	411211002	11/14/2016	Zn-65	-4.88E+00	5.88E+00	1.81E+01	U
FH	53	411211002	11/14/2016	Zr-95	9.93E-01	4.97E+00	1.48E+01	U
FH	03	406533001	9/14/2016	Ac-228	1.07E+00	1.27E+01	2.87E+01	U
FH	03	406533001	9/14/2016	Ag-108m	4.03E+00	2.08E+00	5.08E+00	U
FH	03	406533001	9/14/2016	Ag-110m	-6.54E-01	2.34E+00	7.27E+00	U
FH	03	406533001	9/14/2016	Ba-140	1.48E+01	3.18E+01	1.07E+02	U
FH	03	406533001	9/14/2016	Be-7	1.12E+01	2.00E+01	6.73E+01	U
FH	03	406533001	9/14/2016	Bi-214	3.68E+00	6.83E+00	1.03E+01	U
FH	03	406533001	9/14/2016	Ce-141	-5.84E+00	4.59E+00	1.34E+01	U
FH	03	406533001	9/14/2016	Ce-144	1.27E+01	9.79E+00	3.12E+01	U
FH	03	406533001	9/14/2016	Co-57	-2.43E+00	1.38E+00	3.78E+00	U
FH	03	406533001	9/14/2016	Co-58	-2.56E+00	2.37E+00	6.80E+00	U
FH	03	406533001	9/14/2016	Co-60	-5.96E+00	2.71E+00	5.77E+00	U
FH	03	406533001	9/14/2016	Cr-51	1.29E+01	2.72E+01	9.31E+01	U
FH	03	406533001	9/14/2016	Cs-134	-1.68E+00	1.93E+00	5.70E+00	U
FH	03	406533001	9/14/2016	Cs-137	3.81E+00	3.32E+00	6.23E+00	U
FH	03	406533001	9/14/2016	Fe-59	7.13E-01	5.93E+00	1.87E+01	U
FH	03	406533001	9/14/2016	I-131	-2.62E+01	2.30E+01	7.10E+01	U
FH	03	406533001	9/14/2016	K-40	3.12E+03	1.30E+02	4.49E+01	

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
FH	03	406533001	9/14/2016	La-140	-1.58E+01	9.77E+00	2.34E+01	U
FH	03	406533001	9/14/2016	Mn-54	1.84E+00	1.89E+00	6.27E+00	U
FH	03	406533001	9/14/2016	Nb-95	-3.50E-01	2.52E+00	8.03E+00	U
FH	03	406533001	9/14/2016	Pb-212	4.12E+00	4.75E+00	1.09E+01	U
FH	03	406533001	9/14/2016	Pb-214	-1.96E+00	5.00E+00	1.36E+01	U
FH	03	406533001	9/14/2016	Ra-226	3.68E+00	6.83E+00	1.03E+01	U
FH	03	406533001	9/14/2016	Ru-103	7.47E-01	2.54E+00	8.52E+00	U
FH	03	406533001	9/14/2016	Ru-106	-1.67E+01	1.71E+01	5.13E+01	U
FH	03	406533001	9/14/2016	Sb-124	4.12E+00	4.41E+00	1.57E+01	U
FH	03	406533001	9/14/2016	Sb-125	4.42E+00	4.29E+00	1.46E+01	U
FH	03	406533001	9/14/2016	Se-75	3.13E+00	4.02E+00	7.82E+00	U
FH	03	406533001	9/14/2016	Th-228	4.12E+00	4.75E+00	1.09E+01	U
FH	03	406533001	9/14/2016	Th-230	3.68E+00	6.83E+00	1.03E+01	U
FH	03	406533001	9/14/2016	Tl-208	-2.53E+00	2.35E+00	6.16E+00	U
FH	03	406533001	9/14/2016	Zn-65	-2.87E+00	4.52E+00	1.45E+01	U
FH	03	406533001	9/14/2016	Zr-95	1.34E+00	4.15E+00	1.36E+01	U
FH	06	398423003	5/25/2016	Ac-228	-5.55E+01	5.31E+01	1.62E+02	U
FH	06	398423003	5/25/2016	Ag-108m	8.39E+00	1.02E+01	3.40E+01	U
FH	06	398423003	5/25/2016	Ag-110m	-6.51E-01	1.53E+01	5.02E+01	U
FH	06	398423003	5/25/2016	Ba-140	-1.08E+02	9.78E+01	2.78E+02	U
FH	06	398423003	5/25/2016	Be-7	2.33E+02	1.12E+02	3.65E+02	U
FH	06	398423003	5/25/2016	Bi-214	-2.95E+01	2.96E+01	9.29E+01	U
FH	06	398423003	5/25/2016	Ce-141	1.99E+01	2.14E+01	6.47E+01	U
FH	06	398423003	5/25/2016	Ce-144	1.97E+01	6.09E+01	1.98E+02	U
FH	06	398423003	5/25/2016	Co-57	-1.68E+01	9.28E+00	2.42E+01	U
FH	06	398423003	5/25/2016	Co-58	1.38E+01	1.20E+01	4.16E+01	U
FH	06	398423003	5/25/2016	Co-60	-2.59E+01	1.40E+01	3.29E+01	U
FH	06	398423003	5/25/2016	Cr-51	1.12E+01	1.29E+02	4.29E+02	U
FH	06	398423003	5/25/2016	Cs-134	-2.48E+00	9.86E+00	3.18E+01	U
FH	06	398423003	5/25/2016	Cs-137	-4.67E+00	1.16E+01	3.21E+01	U
FH	06	398423003	5/25/2016	Fe-59	-8.24E+00	2.61E+01	8.13E+01	U
FH	06	398423003	5/25/2016	I-131	8.96E+01	5.10E+01	1.68E+02	U
FH	06	398423003	5/25/2016	K-40	2.17E+03	2.90E+02	3.90E+02	
FH	06	398423003	5/25/2016	La-140	-5.41E+00	2.62E+01	8.32E+01	U
FH	06	398423003	5/25/2016	Mn-54	1.53E+01	1.15E+01	3.72E+01	U
FH	06	398423003	5/25/2016	Nb-95	-1.76E+01	1.25E+01	3.47E+01	U
FH	06	398423003	5/25/2016	Pb-212	3.52E+01	3.29E+01	7.20E+01	U
FH	06	398423003	5/25/2016	Pb-214	2.74E+01	4.25E+01	9.95E+01	U
FH	06	398423003	5/25/2016	Ra-226	-2.95E+01	2.96E+01	9.29E+01	U
FH	06	398423003	5/25/2016	Ru-103	2.51E+00	1.11E+01	3.64E+01	U
FH	06	398423003	5/25/2016	Ru-106	-2.64E+00	9.19E+01	3.09E+02	U
FH	06	398423003	5/25/2016	Sb-124	5.83E+01	3.10E+01	1.14E+02	U
FH	06	398423003	5/25/2016	Sb-125	2.46E+01	2.66E+01	8.96E+01	U
FH	06	398423003	5/25/2016	Se-75	1.13E+01	1.71E+01	5.18E+01	U
FH	06	398423003	5/25/2016	Th-228	3.52E+01	3.29E+01	7.20E+01	U
FH	06	398423003	5/25/2016	Th-230	-2.95E+01	2.96E+01	9.29E+01	U
FH	06	398423003	5/25/2016	Tl-208	-1.52E+01	1.46E+01	4.15E+01	U
FH	06	398423003	5/25/2016	Zn-65	2.13E+01	2.48E+01	8.47E+01	U
FH	06	398423003	5/25/2016	Zr-95	-5.72E+01	2.60E+01	5.91E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
FH	06	411211003	11/17/2016	Ac-228	7.84E+01	4.59E+01	1.54E+02	U
FH	06	411211003	11/17/2016	Ag-108m	-2.20E+00	5.50E+00	1.79E+01	U
FH	06	411211003	11/17/2016	Ag-110m	9.74E+00	1.18E+01	3.73E+01	U
FH	06	411211003	11/17/2016	Ba-140	-4.16E+01	7.96E+01	2.50E+02	U
FH	06	411211003	11/17/2016	Be-7	1.81E+01	7.60E+01	2.60E+02	U
FH	06	411211003	11/17/2016	Bi-214	5.29E+01	3.89E+01	7.48E+01	U
FH	06	411211003	11/17/2016	Ce-141	-4.58E+01	1.85E+01	3.67E+01	U
FH	06	411211003	11/17/2016	Ce-144	-4.61E+01	3.63E+01	1.06E+02	U
FH	06	411211003	11/17/2016	Co-57	1.23E-01	4.11E+00	1.37E+01	U
FH	06	411211003	11/17/2016	Co-58	1.12E+01	1.07E+01	3.68E+01	U
FH	06	411211003	11/17/2016	Co-60	6.40E+00	7.84E+00	2.85E+01	U
FH	06	411211003	11/17/2016	Cr-51	-9.65E+01	9.51E+01	2.63E+02	U
FH	06	411211003	11/17/2016	Cs-134	-1.66E+00	9.76E+00	3.08E+01	U
FH	06	411211003	11/17/2016	Cs-137	-1.65E+01	1.03E+01	2.64E+01	U
FH	06	411211003	11/17/2016	Fe-59	1.03E+01	1.55E+01	5.21E+01	U
FH	06	411211003	11/17/2016	I-131	5.09E-01	4.56E+01	1.57E+02	U
FH	06	411211003	11/17/2016	K-40	3.03E+03	3.62E+02	2.73E+02	
FH	06	411211003	11/17/2016	La-140	-3.02E+01	2.30E+01	4.35E+01	U
FH	06	411211003	11/17/2016	Mn-54	2.77E+01	1.41E+01	2.83E+01	U
FH	06	411211003	11/17/2016	Nb-95	-3.42E+00	1.13E+01	3.11E+01	U
FH	06	411211003	11/17/2016	Pb-212	1.58E+01	1.84E+01	4.77E+01	U
FH	06	411211003	11/17/2016	Pb-214	9.15E+00	2.45E+01	6.07E+01	U
FH	06	411211003	11/17/2016	Ra-226	5.29E+01	3.89E+01	7.48E+01	U
FH	06	411211003	11/17/2016	Ru-103	1.45E+00	9.23E+00	3.13E+01	U
FH	06	411211003	11/17/2016	Ru-106	-6.38E+01	7.10E+01	1.76E+02	U
FH	06	411211003	11/17/2016	Sb-124	1.27E+01	2.98E+01	1.01E+02	U
FH	06	411211003	11/17/2016	Sb-125	-3.60E+01	2.04E+01	5.32E+01	U
FH	06	411211003	11/17/2016	Se-75	6.99E+00	8.51E+00	2.83E+01	U
FH	06	411211003	11/17/2016	Th-228	1.58E+01	1.84E+01	4.77E+01	U
FH	06	411211003	11/17/2016	Th-230	5.29E+01	3.89E+01	7.48E+01	U
FH	06	411211003	11/17/2016	Tl-208	1.11E+01	1.21E+01	3.79E+01	U
FH	06	411211003	11/17/2016	Zn-65	4.59E+00	1.77E+01	6.10E+01	U
FH	06	411211003	11/17/2016	Zr-95	-1.51E+01	1.64E+01	4.60E+01	U
FH	03	406533002	9/19/2016	Ac-228	3.75E-01	1.61E+01	3.20E+01	U
FH	03	406533002	9/19/2016	Ag-108m	-2.73E+00	1.56E+00	4.32E+00	U
FH	03	406533002	9/19/2016	Ag-110m	-1.97E+00	2.94E+00	9.38E+00	U
FH	03	406533002	9/19/2016	Ba-140	5.35E+01	5.47E+01	7.79E+01	U
FH	03	406533002	9/19/2016	Be-7	4.49E+00	1.81E+01	6.06E+01	U
FH	03	406533002	9/19/2016	Bi-214	2.74E+00	5.04E+00	1.41E+01	U
FH	03	406533002	9/19/2016	Ce-141	-1.07E+00	4.03E+00	1.04E+01	U
FH	03	406533002	9/19/2016	Ce-144	-1.19E+01	8.30E+00	2.47E+01	U
FH	03	406533002	9/19/2016	Co-57	-1.98E-01	9.66E-01	3.21E+00	U
FH	03	406533002	9/19/2016	Co-58	-2.76E+00	2.67E+00	7.07E+00	U
FH	03	406533002	9/19/2016	Co-60	-7.68E-01	1.93E+00	5.97E+00	U
FH	03	406533002	9/19/2016	Cr-51	-1.52E+01	2.21E+01	7.27E+01	U
FH	03	406533002	9/19/2016	Cs-134	-1.99E+00	2.11E+00	6.59E+00	U
FH	03	406533002	9/19/2016	Cs-137	4.48E+00	2.69E+00	5.96E+00	U
FH	03	406533002	9/19/2016	Fe-59	-1.28E+00	6.12E+00	1.99E+01	U
FH	03	406533002	9/19/2016	I-131	-7.30E+00	1.46E+01	4.31E+01	U
FH	03	406533002	9/19/2016	K-40	2.16E+03	1.16E+02	7.94E+01	

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
FH	03	406533002	9/19/2016	La-140	-2.96E-01	6.03E+00	2.01E+01	U
FH	03	406533002	9/19/2016	Mn-54	1.51E-01	1.91E+00	6.50E+00	U
FH	03	406533002	9/19/2016	Nb-95	2.01E+00	2.28E+00	7.53E+00	U
FH	03	406533002	9/19/2016	Pb-212	-3.11E+00	3.68E+00	9.51E+00	U
FH	03	406533002	9/19/2016	Pb-214	-4.92E+00	4.87E+00	1.22E+01	U
FH	03	406533002	9/19/2016	Ra-226	2.74E+00	5.04E+00	1.41E+01	U
FH	03	406533002	9/19/2016	Ru-103	1.36E+00	2.55E+00	8.59E+00	U
FH	03	406533002	9/19/2016	Ru-106	-5.85E+00	1.63E+01	5.12E+01	U
FH	03	406533002	9/19/2016	Sb-124	5.57E+00	4.94E+00	1.80E+01	U
FH	03	406533002	9/19/2016	Sb-125	-4.44E+00	4.38E+00	1.35E+01	U
FH	03	406533002	9/19/2016	Se-75	2.61E+00	2.20E+00	7.04E+00	U
FH	03	406533002	9/19/2016	Th-228	-3.11E+00	3.68E+00	9.51E+00	U
FH	03	406533002	9/19/2016	Th-230	2.74E+00	5.04E+00	1.41E+01	U
FH	03	406533002	9/19/2016	Tl-208	-3.58E+00	2.49E+00	6.76E+00	U
FH	03	406533002	9/19/2016	Zn-65	6.55E+00	5.22E+00	1.77E+01	U
FH	03	406533002	9/19/2016	Zr-95	4.49E-01	4.17E+00	1.33E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
HA	04	398123001	5/24/2016	Ac-228	4.09E+00	1.03E+01	2.25E+01	U
HA	04	398123001	5/24/2016	Ag-108m	2.23E-01	1.15E+00	3.89E+00	U
HA	04	398123001	5/24/2016	Ag-110m	1.83E+00	1.92E+00	6.43E+00	U
HA	04	398123001	5/24/2016	Ba-140	6.94E+00	5.75E+00	1.89E+01	U
HA	04	398123001	5/24/2016	Be-7	6.49E+00	1.06E+01	3.55E+01	U
HA	04	398123001	5/24/2016	Bi-214	1.96E+00	5.65E+00	9.40E+00	U
HA	04	398123001	5/24/2016	Ce-141	-1.39E+00	2.04E+00	6.56E+00	U
HA	04	398123001	5/24/2016	Ce-144	-9.16E+00	9.31E+00	2.49E+01	U
HA	04	398123001	5/24/2016	Co-57	5.24E-01	1.05E+00	3.34E+00	U
HA	04	398123001	5/24/2016	Co-58	-3.56E-01	1.54E+00	4.23E+00	U
HA	04	398123001	5/24/2016	Co-60	-1.89E-01	1.51E+00	4.88E+00	U
HA	04	398123001	5/24/2016	Cr-51	-7.79E-02	1.28E+01	3.63E+01	U
HA	04	398123001	5/24/2016	Cs-134	-1.83E+00	1.65E+00	4.99E+00	U
HA	04	398123001	5/24/2016	Cs-137	2.55E+00	2.04E+00	4.52E+00	U
HA	04	398123001	5/24/2016	Fe-59	-1.25E+00	2.95E+00	9.57E+00	U
HA	04	398123001	5/24/2016	I-131	-1.52E+00	2.35E+00	5.72E+00	U
HA	04	398123001	5/24/2016	K-40	2.60E+03	1.33E+02	4.10E+01	
HA	04	398123001	5/24/2016	La-140	-3.95E-02	1.69E+00	5.63E+00	U
HA	04	398123001	5/24/2016	Mn-54	-5.92E-02	1.37E+00	4.40E+00	U
HA	04	398123001	5/24/2016	Nb-95	3.31E+00	1.60E+00	4.80E+00	U
HA	04	398123001	5/24/2016	Pb-212	-1.14E+01	4.55E+00	8.02E+00	U
HA	04	398123001	5/24/2016	Pb-214	3.35E+00	4.69E+00	8.57E+00	U
HA	04	398123001	5/24/2016	Ra-226	1.96E+00	5.65E+00	9.40E+00	U
HA	04	398123001	5/24/2016	Ru-103	2.50E-01	1.23E+00	4.14E+00	U
HA	04	398123001	5/24/2016	Ru-106	1.43E+01	1.28E+01	4.17E+01	U
HA	04	398123001	5/24/2016	Sb-124	-1.34E+00	2.80E+00	9.00E+00	U
HA	04	398123001	5/24/2016	Sb-125	3.45E+00	3.49E+00	1.17E+01	U
HA	04	398123001	5/24/2016	Se-75	-7.05E-01	1.70E+00	5.53E+00	U
HA	04	398123001	5/24/2016	Th-228	-1.14E+01	4.55E+00	8.02E+00	U
HA	04	398123001	5/24/2016	Th-230	1.96E+00	5.65E+00	9.40E+00	U
HA	04	398123001	5/24/2016	Tl-208	-1.04E+00	2.03E+00	5.19E+00	U
HA	04	398123001	5/24/2016	Zn-65	-5.01E+00	3.97E+00	1.01E+01	U
HA	04	398123001	5/24/2016	Zr-95	-1.18E+00	2.53E+00	8.06E+00	U
HA	04	411192001	11/17/2016	Ac-228	-3.75E+01	3.31E+01	1.06E+02	U
HA	04	411192001	11/17/2016	Ag-108m	2.57E+00	6.23E+00	2.09E+01	U
HA	04	411192001	11/17/2016	Ag-110m	8.96E+00	1.02E+01	3.62E+01	U
HA	04	411192001	11/17/2016	Ba-140	-9.69E+01	8.98E+01	2.58E+02	U
HA	04	411192001	11/17/2016	Be-7	8.05E+01	7.94E+01	2.69E+02	U
HA	04	411192001	11/17/2016	Bi-214	1.92E+01	3.22E+01	4.81E+01	U
HA	04	411192001	11/17/2016	Ce-141	-9.08E+00	1.14E+01	3.72E+01	U
HA	04	411192001	11/17/2016	Ce-144	-8.61E+00	2.97E+01	1.01E+02	U
HA	04	411192001	11/17/2016	Co-57	4.11E+00	4.15E+00	1.33E+01	U
HA	04	411192001	11/17/2016	Co-58	9.67E+00	1.00E+01	3.54E+01	U
HA	04	411192001	11/17/2016	Co-60	4.55E-01	5.45E+00	1.61E+01	U
HA	04	411192001	11/17/2016	Cr-51	-3.92E+01	8.91E+01	2.88E+02	U
HA	04	411192001	11/17/2016	Cs-134	7.49E+00	7.64E+00	2.74E+01	U
HA	04	411192001	11/17/2016	Cs-137	2.02E-01	8.48E+00	2.72E+01	U
HA	04	411192001	11/17/2016	Fe-59	-6.48E+00	2.20E+01	7.13E+01	U
HA	04	411192001	11/17/2016	I-131	-2.04E+01	4.90E+01	1.58E+02	U
HA	04	411192001	11/17/2016	K-40	1.65E+03	2.56E+02	2.35E+02	

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
HA	04	411192001	11/17/2016	La-140	2.10E+01	2.33E+01	8.48E+01	U
HA	04	411192001	11/17/2016	Mn-54	-1.35E+01	9.90E+00	2.59E+01	U
HA	04	411192001	11/17/2016	Nb-95	1.11E+01	9.45E+00	3.20E+01	U
HA	04	411192001	11/17/2016	Pb-212	-2.89E+00	1.63E+01	5.41E+01	U
HA	04	411192001	11/17/2016	Pb-214	2.61E+00	2.84E+01	6.26E+01	U
HA	04	411192001	11/17/2016	Ra-226	1.92E+01	3.22E+01	4.81E+01	U
HA	04	411192001	11/17/2016	Ru-103	8.84E+00	9.88E+00	3.35E+01	U
HA	04	411192001	11/17/2016	Ru-106	5.01E+01	7.04E+01	2.36E+02	U
HA	04	411192001	11/17/2016	Sb-124	-2.19E+01	2.22E+01	5.77E+01	U
HA	04	411192001	11/17/2016	Sb-125	3.30E+01	2.50E+01	7.34E+01	U
HA	04	411192001	11/17/2016	Se-75	-6.40E+00	8.34E+00	2.64E+01	U
HA	04	411192001	11/17/2016	Th-228	-2.89E+00	1.63E+01	5.41E+01	U
HA	04	411192001	11/17/2016	Th-230	1.92E+01	3.22E+01	4.81E+01	U
HA	04	411192001	11/17/2016	Tl-208	1.91E+00	1.87E+01	2.59E+01	U
HA	04	411192001	11/17/2016	Zn-65	-4.48E+01	2.44E+01	5.87E+01	U
HA	04	411192001	11/17/2016	Zr-95	-1.44E+01	1.73E+01	4.95E+01	U
HA	54	398123002	5/23/2016	Ac-228	8.44E-02	7.38E+00	1.62E+01	U
HA	54	398123002	5/23/2016	Ag-108m	-1.22E+00	1.01E+00	3.05E+00	U
HA	54	398123002	5/23/2016	Ag-110m	-2.46E+00	1.71E+00	5.00E+00	U
HA	54	398123002	5/23/2016	Ba-140	-2.74E+00	5.04E+00	1.58E+01	U
HA	54	398123002	5/23/2016	Be-7	2.35E+00	8.83E+00	2.88E+01	U
HA	54	398123002	5/23/2016	Bi-214	6.24E+00	5.19E+00	9.50E+00	U
HA	54	398123002	5/23/2016	Ce-141	3.42E-01	1.56E+00	5.03E+00	U
HA	54	398123002	5/23/2016	Ce-144	2.43E+00	6.20E+00	2.01E+01	U
HA	54	398123002	5/23/2016	Co-57	7.00E-01	8.04E-01	2.60E+00	U
HA	54	398123002	5/23/2016	Co-58	8.03E-02	1.17E+00	3.89E+00	U
HA	54	398123002	5/23/2016	Co-60	6.84E-01	1.36E+00	4.58E+00	U
HA	54	398123002	5/23/2016	Cr-51	-8.58E+00	9.46E+00	3.01E+01	U
HA	54	398123002	5/23/2016	Cs-134	4.30E-01	1.24E+00	4.03E+00	U
HA	54	398123002	5/23/2016	Cs-137	3.72E+00	1.62E+00	3.80E+00	U
HA	54	398123002	5/23/2016	Fe-59	-2.79E+00	2.86E+00	8.64E+00	U
HA	54	398123002	5/23/2016	I-131	-7.24E-01	1.49E+00	4.83E+00	U
HA	54	398123002	5/23/2016	K-40	2.33E+03	1.20E+02	3.57E+01	
HA	54	398123002	5/23/2016	La-140	-2.09E+00	1.76E+00	5.18E+00	U
HA	54	398123002	5/23/2016	Mn-54	1.03E+00	1.46E+00	4.24E+00	U
HA	54	398123002	5/23/2016	Nb-95	-1.36E+00	1.16E+00	3.54E+00	U
HA	54	398123002	5/23/2016	Pb-212	-7.52E-01	2.95E+00	7.12E+00	U
HA	54	398123002	5/23/2016	Pb-214	-2.38E-01	4.31E+00	9.11E+00	U
HA	54	398123002	5/23/2016	Ra-226	6.24E+00	5.19E+00	9.50E+00	U
HA	54	398123002	5/23/2016	Ru-103	-1.33E+00	1.08E+00	3.20E+00	U
HA	54	398123002	5/23/2016	Ru-106	5.72E+00	9.92E+00	3.37E+01	U
HA	54	398123002	5/23/2016	Sb-124	-2.73E-01	2.62E+00	8.51E+00	U
HA	54	398123002	5/23/2016	Sb-125	3.05E+00	3.05E+00	9.93E+00	U
HA	54	398123002	5/23/2016	Se-75	-3.28E-01	1.58E+00	4.63E+00	U
HA	54	398123002	5/23/2016	Th-228	-7.52E-01	2.95E+00	7.12E+00	U
HA	54	398123002	5/23/2016	Th-230	6.24E+00	5.19E+00	9.50E+00	U
HA	54	398123002	5/23/2016	Tl-208	1.43E-01	2.33E+00	3.59E+00	U
HA	54	398123002	5/23/2016	Zn-65	-3.53E+00	3.28E+00	9.83E+00	U
HA	54	398123002	5/23/2016	Zr-95	1.95E+00	2.05E+00	6.85E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
HA	54	411192002	11/18/2016	Ac-228	-4.69E+00	1.04E+01	3.61E+01	U
HA	54	411192002	11/18/2016	Ag-108m	1.79E+00	1.83E+00	6.32E+00	U
HA	54	411192002	11/18/2016	Ag-110m	-9.14E-02	2.88E+00	9.71E+00	U
HA	54	411192002	11/18/2016	Ba-140	2.11E+01	2.15E+01	7.44E+01	U
HA	54	411192002	11/18/2016	Be-7	-1.30E+01	2.23E+01	6.96E+01	U
HA	54	411192002	11/18/2016	Bi-214	-7.38E+00	6.21E+00	1.71E+01	U
HA	54	411192002	11/18/2016	Ce-141	2.08E+00	6.42E+00	1.21E+01	U
HA	54	411192002	11/18/2016	Ce-144	-1.11E+01	1.45E+01	3.99E+01	U
HA	54	411192002	11/18/2016	Co-57	1.11E+00	1.56E+00	5.11E+00	U
HA	54	411192002	11/18/2016	Co-58	3.81E+00	2.49E+00	8.97E+00	U
HA	54	411192002	11/18/2016	Co-60	-2.38E+00	2.32E+00	6.25E+00	U
HA	54	411192002	11/18/2016	Cr-51	-8.64E-01	2.74E+01	9.22E+01	U
HA	54	411192002	11/18/2016	Cs-134	-1.26E+00	2.32E+00	6.82E+00	U
HA	54	411192002	11/18/2016	Cs-137	-6.43E-01	2.10E+00	6.54E+00	U
HA	54	411192002	11/18/2016	Fe-59	2.24E+00	6.31E+00	2.16E+01	U
HA	54	411192002	11/18/2016	I-131	1.04E+01	1.35E+01	4.65E+01	U
HA	54	411192002	11/18/2016	K-40	2.34E+03	1.41E+02	8.53E+01	
HA	54	411192002	11/18/2016	La-140	-5.41E+00	6.81E+00	1.82E+01	U
HA	54	411192002	11/18/2016	Mn-54	3.67E+00	2.47E+00	8.82E+00	U
HA	54	411192002	11/18/2016	Nb-95	-2.98E-01	3.21E+00	1.01E+01	U
HA	54	411192002	11/18/2016	Pb-212	1.74E+00	6.15E+00	1.46E+01	U
HA	54	411192002	11/18/2016	Pb-214	6.59E+00	6.79E+00	1.74E+01	U
HA	54	411192002	11/18/2016	Ra-226	-7.38E+00	6.21E+00	1.71E+01	U
HA	54	411192002	11/18/2016	Ru-103	3.38E-01	2.81E+00	9.30E+00	U
HA	54	411192002	11/18/2016	Ru-106	1.06E+01	2.10E+01	7.04E+01	U
HA	54	411192002	11/18/2016	Sb-124	9.19E+00	6.30E+00	2.38E+01	U
HA	54	411192002	11/18/2016	Sb-125	1.23E+00	5.56E+00	1.87E+01	U
HA	54	411192002	11/18/2016	Se-75	6.65E+00	4.57E+00	8.80E+00	U
HA	54	411192002	11/18/2016	Th-228	1.74E+00	6.15E+00	1.46E+01	U
HA	54	411192002	11/18/2016	Th-230	-7.38E+00	6.21E+00	1.71E+01	U
HA	54	411192002	11/18/2016	Tl-208	1.53E+00	2.94E+00	9.62E+00	U
HA	54	411192002	11/18/2016	Zn-65	-3.29E-01	5.43E+00	1.80E+01	U
HA	54	411192002	11/18/2016	Zr-95	5.06E-01	4.70E+00	1.52E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
MU	06	398132001	5/17/2016	Ac-228	-1.76E+00	6.81E+00	1.75E+01	U
MU	06	398132001	5/17/2016	Ag-108m	8.21E-01	1.03E+00	3.36E+00	U
MU	06	398132001	5/17/2016	Ag-110m	4.44E-02	1.51E+00	4.93E+00	U
MU	06	398132001	5/17/2016	Ba-140	-2.15E+00	6.58E+00	2.08E+01	U
MU	06	398132001	5/17/2016	Be-7	5.61E+01	1.26E+01	3.45E+01	
MU	06	398132001	5/17/2016	Bi-214	1.54E+00	4.97E+00	9.11E+00	U
MU	06	398132001	5/17/2016	Ce-141	1.50E+00	2.22E+00	6.41E+00	U
MU	06	398132001	5/17/2016	Ce-144	-1.08E+01	7.03E+00	2.07E+01	U
MU	06	398132001	5/17/2016	Co-57	-1.90E+00	1.27E+00	2.84E+00	U
MU	06	398132001	5/17/2016	Co-58	2.49E+00	1.36E+00	4.25E+00	U
MU	06	398132001	5/17/2016	Co-60	-2.20E+00	1.38E+00	3.89E+00	U
MU	06	398132001	5/17/2016	Cr-51	-1.39E+01	1.32E+01	3.62E+01	U
MU	06	398132001	5/17/2016	Cs-134	9.85E-01	1.74E+00	4.45E+00	U
MU	06	398132001	5/17/2016	Cs-137	-6.12E-01	1.13E+00	3.66E+00	U
MU	06	398132001	5/17/2016	Fe-59	-1.14E+00	2.52E+00	8.24E+00	U
MU	06	398132001	5/17/2016	I-131	6.62E+00	2.99E+00	8.34E+00	U
MU	06	398132001	5/17/2016	K-40	1.17E+03	6.82E+01	3.55E+01	
MU	06	398132001	5/17/2016	La-140	6.90E-01	2.11E+00	6.94E+00	U
MU	06	398132001	5/17/2016	Mn-54	-5.84E-01	1.38E+00	3.82E+00	U
MU	06	398132001	5/17/2016	Nb-95	1.65E+00	1.25E+00	4.09E+00	U
MU	06	398132001	5/17/2016	Pb-212	7.20E+00	3.55E+00	6.35E+00	
MU	06	398132001	5/17/2016	Pb-214	5.31E+00	4.44E+00	9.44E+00	U
MU	06	398132001	5/17/2016	Ra-226	1.54E+00	4.97E+00	9.11E+00	U
MU	06	398132001	5/17/2016	Ru-103	1.11E+00	1.23E+00	3.97E+00	U
MU	06	398132001	5/17/2016	Ru-106	1.61E+01	1.14E+01	3.33E+01	U
MU	06	398132001	5/17/2016	Sb-124	2.35E+00	2.86E+00	9.79E+00	U
MU	06	398132001	5/17/2016	Sb-125	-5.84E+00	3.31E+00	9.34E+00	U
MU	06	398132001	5/17/2016	Se-75	2.35E+00	1.78E+00	5.17E+00	U
MU	06	398132001	5/17/2016	Th-228	7.20E+00	3.55E+00	6.35E+00	
MU	06	398132001	5/17/2016	Th-230	1.54E+00	4.97E+00	9.11E+00	U
MU	06	398132001	5/17/2016	Tl-208	9.55E-01	1.96E+00	3.72E+00	U
MU	06	398132001	5/17/2016	Zn-65	2.49E+00	2.77E+00	9.29E+00	U
MU	06	398132001	5/17/2016	Zr-95	1.88E+00	2.10E+00	6.98E+00	U
MU	06	411206001	11/14/2016	Ac-228	-5.85E+00	1.24E+01	3.88E+01	U
MU	06	411206001	11/14/2016	Ag-108m	5.47E+00	3.45E+00	1.08E+01	U
MU	06	411206001	11/14/2016	Ag-110m	-7.75E+00	4.18E+00	9.94E+00	U
MU	06	411206001	11/14/2016	Ba-140	1.34E+01	4.24E+01	1.25E+02	U
MU	06	411206001	11/14/2016	Be-7	-2.75E+01	3.09E+01	9.08E+01	U
MU	06	411206001	11/14/2016	Bi-214	7.10E+00	1.23E+01	2.51E+01	U
MU	06	411206001	11/14/2016	Ce-141	3.98E+00	1.04E+01	2.16E+01	U
MU	06	411206001	11/14/2016	Ce-144	2.98E+00	1.67E+01	5.76E+01	U
MU	06	411206001	11/14/2016	Co-57	-6.98E-01	2.26E+00	7.66E+00	U
MU	06	411206001	11/14/2016	Co-58	3.57E-01	3.24E+00	1.10E+01	U
MU	06	411206001	11/14/2016	Co-60	3.29E+00	3.35E+00	1.17E+01	U
MU	06	411206001	11/14/2016	Cr-51	-2.24E+01	3.73E+01	1.18E+02	U
MU	06	411206001	11/14/2016	Cs-134	-6.50E-01	3.31E+00	1.10E+01	U
MU	06	411206001	11/14/2016	Cs-137	-5.77E-01	3.43E+00	1.06E+01	U
MU	06	411206001	11/14/2016	Fe-59	8.99E+00	8.70E+00	3.04E+01	U
MU	06	411206001	11/14/2016	I-131	-3.64E+01	2.84E+01	8.25E+01	U
MU	06	411206001	11/14/2016	K-40	1.02E+03	1.10E+02	1.01E+02	

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
MU	06	411206001	11/14/2016	La-140	2.43E+00	1.26E+01	4.14E+01	U
MU	06	411206001	11/14/2016	Mn-54	9.51E-01	3.53E+00	1.20E+01	U
MU	06	411206001	11/14/2016	Nb-95	-5.65E+00	3.67E+00	9.94E+00	U
MU	06	411206001	11/14/2016	Pb-212	5.09E+00	9.45E+00	1.77E+01	U
MU	06	411206001	11/14/2016	Pb-214	3.40E+00	1.04E+01	2.67E+01	U
MU	06	411206001	11/14/2016	Ra-226	7.10E+00	1.23E+01	2.51E+01	U
MU	06	411206001	11/14/2016	Ru-103	-7.71E-01	4.88E+00	1.44E+01	U
MU	06	411206001	11/14/2016	Ru-106	1.57E+01	2.76E+01	9.08E+01	U
MU	06	411206001	11/14/2016	Sb-124	6.44E+00	7.44E+00	2.76E+01	U
MU	06	411206001	11/14/2016	Sb-125	-1.89E+00	8.21E+00	2.62E+01	U
MU	06	411206001	11/14/2016	Se-75	-5.48E+00	4.55E+00	1.28E+01	U
MU	06	411206001	11/14/2016	Th-228	5.09E+00	9.45E+00	1.77E+01	U
MU	06	411206001	11/14/2016	Th-230	7.10E+00	1.23E+01	2.51E+01	U
MU	06	411206001	11/14/2016	Tl-208	-3.91E+00	4.06E+00	1.09E+01	U
MU	06	411206001	11/14/2016	Zn-65	6.71E-01	7.48E+00	2.48E+01	U
MU	06	411206001	11/14/2016	Zr-95	-4.02E+00	6.34E+00	2.01E+01	U
MU	09	398133001	5/18/2016	Ac-228	4.54E+00	7.00E+00	1.61E+01	U
MU	09	398133001	5/18/2016	Ag-108m	1.02E+00	1.16E+00	3.80E+00	U
MU	09	398133001	5/18/2016	Ag-110m	-6.42E-01	1.90E+00	6.11E+00	U
MU	09	398133001	5/18/2016	Ba-140	-7.71E+00	7.71E+00	2.13E+01	U
MU	09	398133001	5/18/2016	Be-7	7.17E+01	1.67E+01	3.49E+01	
MU	09	398133001	5/18/2016	Bi-214	1.53E+00	4.62E+00	8.47E+00	U
MU	09	398133001	5/18/2016	Ce-141	6.69E-01	2.58E+00	6.40E+00	U
MU	09	398133001	5/18/2016	Ce-144	-7.02E-01	6.76E+00	2.20E+01	U
MU	09	398133001	5/18/2016	Co-57	-1.23E+00	9.13E-01	2.77E+00	U
MU	09	398133001	5/18/2016	Co-58	1.41E+00	2.19E+00	4.38E+00	U
MU	09	398133001	5/18/2016	Co-60	-4.74E-01	1.35E+00	4.38E+00	U
MU	09	398133001	5/18/2016	Cr-51	1.89E+01	1.23E+01	3.95E+01	U
MU	09	398133001	5/18/2016	Cs-134	1.51E+00	1.50E+00	4.95E+00	U
MU	09	398133001	5/18/2016	Cs-137	1.56E+00	1.34E+00	4.46E+00	U
MU	09	398133001	5/18/2016	Fe-59	-1.49E+00	3.21E+00	1.06E+01	U
MU	09	398133001	5/18/2016	I-131	1.57E+00	2.52E+00	8.36E+00	U
MU	09	398133001	5/18/2016	K-40	1.88E+03	1.01E+02	4.26E+01	
MU	09	398133001	5/18/2016	La-140	4.49E+00	4.66E+00	7.61E+00	U
MU	09	398133001	5/18/2016	Mn-54	-8.01E-01	1.28E+00	4.06E+00	U
MU	09	398133001	5/18/2016	Nb-95	0.00E+00	3.42E+00	4.42E+00	U
MU	09	398133001	5/18/2016	Pb-212	-1.46E+00	2.94E+00	7.66E+00	U
MU	09	398133001	5/18/2016	Pb-214	-2.50E+00	3.71E+00	9.05E+00	U
MU	09	398133001	5/18/2016	Ra-226	1.53E+00	4.62E+00	8.47E+00	U
MU	09	398133001	5/18/2016	Ru-103	2.72E+00	1.40E+00	4.06E+00	U
MU	09	398133001	5/18/2016	Ru-106	2.57E+00	1.04E+01	3.52E+01	U
MU	09	398133001	5/18/2016	Sb-124	-5.76E-02	3.17E+00	1.02E+01	U
MU	09	398133001	5/18/2016	Sb-125	-1.32E-01	3.33E+00	1.09E+01	U
MU	09	398133001	5/18/2016	Se-75	3.20E-01	1.50E+00	5.07E+00	U
MU	09	398133001	5/18/2016	Th-228	-1.46E+00	2.94E+00	7.66E+00	U
MU	09	398133001	5/18/2016	Th-230	1.53E+00	4.62E+00	8.47E+00	U
MU	09	398133001	5/18/2016	Tl-208	1.13E-01	2.61E+00	3.71E+00	U
MU	09	398133001	5/18/2016	Zn-65	-1.29E+00	3.62E+00	1.03E+01	U
MU	09	398133001	5/18/2016	Zr-95	-3.68E+00	2.67E+00	7.46E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
MU	09	411209001	11/16/2016	Ac-228	9.46E+00	1.06E+01	3.49E+01	U
MU	09	411209001	11/16/2016	Ag-108m	2.21E+00	1.85E+00	6.46E+00	U
MU	09	411209001	11/16/2016	Ag-110m	9.09E-01	2.76E+00	9.27E+00	U
MU	09	411209001	11/16/2016	Ba-140	7.35E+01	3.57E+01	8.55E+01	U
MU	09	411209001	11/16/2016	Be-7	5.59E+01	3.09E+01	7.13E+01	U
MU	09	411209001	11/16/2016	Bi-214	7.77E+00	6.13E+00	2.08E+01	U
MU	09	411209001	11/16/2016	Ce-141	-2.39E+00	4.81E+00	1.50E+01	U
MU	09	411209001	11/16/2016	Ce-144	1.51E+01	1.37E+01	4.50E+01	U
MU	09	411209001	11/16/2016	Co-57	1.16E-01	1.81E+00	5.44E+00	U
MU	09	411209001	11/16/2016	Co-58	2.47E+00	2.33E+00	8.18E+00	U
MU	09	411209001	11/16/2016	Co-60	-2.85E+00	2.78E+00	7.60E+00	U
MU	09	411209001	11/16/2016	Cr-51	-1.08E+01	2.78E+01	9.36E+01	U
MU	09	411209001	11/16/2016	Cs-134	1.25E+00	1.94E+00	6.71E+00	U
MU	09	411209001	11/16/2016	Cs-137	-1.58E+00	2.26E+00	6.98E+00	U
MU	09	411209001	11/16/2016	Fe-59	1.84E+00	5.06E+00	1.69E+01	U
MU	09	411209001	11/16/2016	I-131	-4.97E+00	1.35E+01	4.52E+01	U
MU	09	411209001	11/16/2016	K-40	1.05E+03	1.01E+02	6.90E+01	
MU	09	411209001	11/16/2016	La-140	-1.58E+01	8.59E+00	1.79E+01	U
MU	09	411209001	11/16/2016	Mn-54	-2.40E+00	2.25E+00	6.38E+00	U
MU	09	411209001	11/16/2016	Nb-95	3.12E-01	2.56E+00	8.51E+00	U
MU	09	411209001	11/16/2016	Pb-212	7.97E+00	7.41E+00	1.61E+01	U
MU	09	411209001	11/16/2016	Pb-214	6.94E+00	5.99E+00	1.81E+01	U
MU	09	411209001	11/16/2016	Ra-226	7.77E+00	6.13E+00	2.08E+01	U
MU	09	411209001	11/16/2016	Ru-103	5.13E+00	2.87E+00	9.93E+00	U
MU	09	411209001	11/16/2016	Ru-106	-3.77E+01	2.33E+01	6.31E+01	U
MU	09	411209001	11/16/2016	Sb-124	6.37E+00	5.44E+00	2.06E+01	U
MU	09	411209001	11/16/2016	Sb-125	-2.99E+00	5.91E+00	1.84E+01	U
MU	09	411209001	11/16/2016	Se-75	6.39E+00	3.37E+00	1.06E+01	U
MU	09	411209001	11/16/2016	Th-228	7.97E+00	7.41E+00	1.61E+01	U
MU	09	411209001	11/16/2016	Th-230	7.77E+00	6.13E+00	2.08E+01	U
MU	09	411209001	11/16/2016	Tl-208	3.19E+00	2.70E+00	8.89E+00	U
MU	09	411209001	11/16/2016	Zn-65	1.12E+01	5.39E+00	1.80E+01	U
MU	09	411209001	11/16/2016	Zr-95	7.84E+00	6.31E+00	1.99E+01	U
MU	56	398132002	5/17/2016	Ac-228	1.64E+01	1.06E+01	2.01E+01	U
MU	56	398132002	5/17/2016	Ag-108m	-6.37E-01	1.95E+00	4.25E+00	U
MU	56	398132002	5/17/2016	Ag-110m	1.14E+00	1.85E+00	6.20E+00	U
MU	56	398132002	5/17/2016	Ba-140	1.97E+01	9.25E+00	2.78E+01	U
MU	56	398132002	5/17/2016	Be-7	4.77E+01	1.49E+01	3.87E+01	
MU	56	398132002	5/17/2016	Bi-214	5.59E+00	4.69E+00	8.91E+00	U
MU	56	398132002	5/17/2016	Ce-141	0.00E+00	2.98E+00	7.65E+00	U
MU	56	398132002	5/17/2016	Ce-144	-7.49E+00	8.01E+00	2.56E+01	U
MU	56	398132002	5/17/2016	Co-57	2.90E-01	1.05E+00	3.24E+00	U
MU	56	398132002	5/17/2016	Co-58	2.87E+00	1.57E+00	4.99E+00	U
MU	56	398132002	5/17/2016	Co-60	-3.97E+00	2.29E+00	4.65E+00	U
MU	56	398132002	5/17/2016	Cr-51	1.36E+01	1.36E+01	4.52E+01	U
MU	56	398132002	5/17/2016	Cs-134	5.60E-01	1.49E+00	5.05E+00	U
MU	56	398132002	5/17/2016	Cs-137	3.26E+00	1.62E+00	4.89E+00	U
MU	56	398132002	5/17/2016	Fe-59	-5.14E+00	3.06E+00	8.62E+00	U
MU	56	398132002	5/17/2016	I-131	-3.66E-01	3.12E+00	1.05E+01	U
MU	56	398132002	5/17/2016	K-40	1.86E+03	9.43E+01	3.85E+01	

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
MU	56	398132002	5/17/2016	La-140	-4.20E+00	2.32E+00	6.31E+00	U
MU	56	398132002	5/17/2016	Mn-54	1.29E+00	1.46E+00	4.89E+00	U
MU	56	398132002	5/17/2016	Nb-95	-1.84E+00	1.53E+00	4.56E+00	U
MU	56	398132002	5/17/2016	Pb-212	7.80E+00	4.44E+00	8.63E+00	U
MU	56	398132002	5/17/2016	Pb-214	0.00E+00	5.31E+00	1.03E+01	U
MU	56	398132002	5/17/2016	Ra-226	5.59E+00	4.69E+00	8.91E+00	U
MU	56	398132002	5/17/2016	Ru-103	1.52E+00	1.49E+00	4.87E+00	U
MU	56	398132002	5/17/2016	Ru-106	-3.40E+00	1.23E+01	3.97E+01	U
MU	56	398132002	5/17/2016	Sb-124	-1.43E+00	2.68E+00	8.58E+00	U
MU	56	398132002	5/17/2016	Sb-125	-1.44E-01	3.53E+00	1.18E+01	U
MU	56	398132002	5/17/2016	Se-75	-7.71E-01	1.78E+00	5.67E+00	U
MU	56	398132002	5/17/2016	Th-228	7.80E+00	4.44E+00	8.63E+00	U
MU	56	398132002	5/17/2016	Th-230	5.59E+00	4.69E+00	8.91E+00	U
MU	56	398132002	5/17/2016	Tl-208	0.00E+00	2.88E+00	4.29E+00	U
MU	56	398132002	5/17/2016	Zn-65	-1.38E+00	2.91E+00	9.37E+00	U
MU	56	398132002	5/17/2016	Zr-95	-3.98E+00	3.37E+00	8.59E+00	U
MU	56	411206002	11/14/2016	Ac-228	2.16E+01	1.01E+01	2.77E+01	U
MU	56	411206002	11/14/2016	Ag-108m	-9.40E-01	1.80E+00	5.70E+00	U
MU	56	411206002	11/14/2016	Ag-110m	1.27E+00	3.59E+00	1.17E+01	U
MU	56	411206002	11/14/2016	Ba-140	3.69E+00	2.40E+01	7.96E+01	U
MU	56	411206002	11/14/2016	Be-7	3.27E+01	2.55E+01	8.68E+01	U
MU	56	411206002	11/14/2016	Bi-214	9.46E+00	5.25E+00	1.76E+01	U
MU	56	411206002	11/14/2016	Ce-141	3.71E+00	7.39E+00	1.26E+01	U
MU	56	411206002	11/14/2016	Ce-144	-1.53E+01	1.26E+01	3.16E+01	U
MU	56	411206002	11/14/2016	Co-57	-6.56E-01	1.54E+00	4.71E+00	U
MU	56	411206002	11/14/2016	Co-58	6.40E-01	2.44E+00	7.43E+00	U
MU	56	411206002	11/14/2016	Co-60	-3.27E+00	2.24E+00	5.58E+00	U
MU	56	411206002	11/14/2016	Cr-51	-2.47E+01	2.83E+01	7.73E+01	U
MU	56	411206002	11/14/2016	Cs-134	-2.39E+00	2.74E+00	7.89E+00	U
MU	56	411206002	11/14/2016	Cs-137	1.95E+00	2.50E+00	8.42E+00	U
MU	56	411206002	11/14/2016	Fe-59	1.04E+00	5.41E+00	1.86E+01	U
MU	56	411206002	11/14/2016	I-131	7.19E-01	1.38E+01	4.63E+01	U
MU	56	411206002	11/14/2016	K-40	1.35E+03	9.42E+01	4.20E+01	
MU	56	411206002	11/14/2016	La-140	-6.72E-02	6.06E+00	1.99E+01	U
MU	56	411206002	11/14/2016	Mn-54	-1.89E+00	2.17E+00	6.14E+00	U
MU	56	411206002	11/14/2016	Nb-95	-3.97E-01	3.07E+00	8.35E+00	U
MU	56	411206002	11/14/2016	Pb-212	0.00E+00	5.67E+00	1.02E+01	U
MU	56	411206002	11/14/2016	Pb-214	7.90E+00	8.03E+00	1.32E+01	U
MU	56	411206002	11/14/2016	Ra-226	9.46E+00	5.25E+00	1.76E+01	U
MU	56	411206002	11/14/2016	Ru-103	2.12E+00	2.58E+00	8.57E+00	U
MU	56	411206002	11/14/2016	Ru-106	-6.43E+00	1.96E+01	6.18E+01	U
MU	56	411206002	11/14/2016	Sb-124	1.56E+00	6.01E+00	2.04E+01	U
MU	56	411206002	11/14/2016	Sb-125	-2.83E+00	5.48E+00	1.74E+01	U
MU	56	411206002	11/14/2016	Se-75	-7.91E-01	2.60E+00	8.63E+00	U
MU	56	411206002	11/14/2016	Th-228	0.00E+00	5.67E+00	1.02E+01	U
MU	56	411206002	11/14/2016	Th-230	9.46E+00	5.25E+00	1.76E+01	U
MU	56	411206002	11/14/2016	Tl-208	9.16E-01	2.58E+00	8.52E+00	U
MU	56	411206002	11/14/2016	Zn-65	-6.82E-01	5.05E+00	1.47E+01	U
MU	56	411206002	11/14/2016	Zr-95	3.92E+00	4.90E+00	1.52E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
MU	59	398133002	5/16/2016	Ac-228	0.00E+00	1.12E+01	1.67E+01	U
MU	59	398133002	5/16/2016	Ag-108m	-4.04E+00	1.93E+00	3.46E+00	U
MU	59	398133002	5/16/2016	Ag-110m	8.45E-01	1.71E+00	5.77E+00	U
MU	59	398133002	5/16/2016	Ba-140	-1.52E+01	9.64E+00	2.41E+01	U
MU	59	398133002	5/16/2016	Be-7	6.67E+01	2.21E+01	3.85E+01	
MU	59	398133002	5/16/2016	Bi-214	2.31E+00	5.81E+00	1.04E+01	U
MU	59	398133002	5/16/2016	Ce-141	3.44E+00	3.80E+00	6.91E+00	U
MU	59	398133002	5/16/2016	Ce-144	-1.51E+00	8.14E+00	2.43E+01	U
MU	59	398133002	5/16/2016	Co-57	8.42E-01	9.57E-01	3.22E+00	U
MU	59	398133002	5/16/2016	Co-58	3.86E-01	1.50E+00	4.38E+00	U
MU	59	398133002	5/16/2016	Co-60	2.41E+00	1.64E+00	5.28E+00	U
MU	59	398133002	5/16/2016	Cr-51	-1.91E+01	1.36E+01	4.02E+01	U
MU	59	398133002	5/16/2016	Cs-134	-2.60E+00	2.22E+00	4.87E+00	U
MU	59	398133002	5/16/2016	Cs-137	2.42E+00	1.61E+00	4.52E+00	U
MU	59	398133002	5/16/2016	Fe-59	1.98E+00	3.26E+00	1.08E+01	U
MU	59	398133002	5/16/2016	I-131	-2.20E+00	3.07E+00	9.54E+00	U
MU	59	398133002	5/16/2016	K-40	2.32E+03	1.19E+02	3.82E+01	
MU	59	398133002	5/16/2016	La-140	0.00E+00	4.32E+00	9.26E+00	U
MU	59	398133002	5/16/2016	Mn-54	1.16E+00	1.39E+00	4.67E+00	U
MU	59	398133002	5/16/2016	Nb-95	1.79E+00	1.99E+00	4.77E+00	U
MU	59	398133002	5/16/2016	Pb-212	1.05E+00	3.99E+00	9.02E+00	U
MU	59	398133002	5/16/2016	Pb-214	4.69E+00	4.78E+00	1.03E+01	U
MU	59	398133002	5/16/2016	Ra-226	2.31E+00	5.81E+00	1.04E+01	U
MU	59	398133002	5/16/2016	Ru-103	8.34E-02	1.36E+00	4.54E+00	U
MU	59	398133002	5/16/2016	Ru-106	3.44E+00	1.13E+01	3.64E+01	U
MU	59	398133002	5/16/2016	Sb-124	5.63E-01	2.97E+00	9.87E+00	U
MU	59	398133002	5/16/2016	Sb-125	-1.02E+00	3.27E+00	1.09E+01	U
MU	59	398133002	5/16/2016	Se-75	-1.78E+00	1.66E+00	5.15E+00	U
MU	59	398133002	5/16/2016	Th-228	1.05E+00	3.99E+00	9.02E+00	U
MU	59	398133002	5/16/2016	Th-230	2.31E+00	5.81E+00	1.04E+01	U
MU	59	398133002	5/16/2016	Tl-208	9.85E-01	2.53E+00	3.77E+00	U
MU	59	398133002	5/16/2016	Zn-65	-5.47E+00	3.71E+00	1.08E+01	U
MU	59	398133002	5/16/2016	Zr-95	1.44E-02	2.43E+00	7.85E+00	U
MU	59	411209002	11/16/2016	Ac-228	7.98E+00	9.76E+00	3.21E+01	U
MU	59	411209002	11/16/2016	Ag-108m	9.26E-01	1.47E+00	5.14E+00	U
MU	59	411209002	11/16/2016	Ag-110m	1.53E+00	2.32E+00	8.03E+00	U
MU	59	411209002	11/16/2016	Ba-140	-5.12E+00	2.43E+01	8.01E+01	U
MU	59	411209002	11/16/2016	Be-7	3.61E+01	3.35E+01	5.57E+01	U
MU	59	411209002	11/16/2016	Bi-214	0.00E+00	7.43E+00	1.76E+01	U
MU	59	411209002	11/16/2016	Ce-141	-2.46E+00	3.80E+00	1.17E+01	U
MU	59	411209002	11/16/2016	Ce-144	-4.75E-01	1.03E+01	3.34E+01	U
MU	59	411209002	11/16/2016	Co-57	-1.36E+00	1.47E+00	4.02E+00	U
MU	59	411209002	11/16/2016	Co-58	1.90E+00	2.39E+00	8.22E+00	U
MU	59	411209002	11/16/2016	Co-60	1.30E+00	1.76E+00	6.41E+00	U
MU	59	411209002	11/16/2016	Cr-51	-9.75E+00	2.17E+01	7.23E+01	U
MU	59	411209002	11/16/2016	Cs-134	-3.57E+00	2.25E+00	5.54E+00	U
MU	59	411209002	11/16/2016	Cs-137	0.00E+00	1.98E+00	5.27E+00	U
MU	59	411209002	11/16/2016	Fe-59	-1.13E+01	4.70E+00	0.00E+00	U
MU	59	411209002	11/16/2016	I-131	-6.23E+00	1.18E+01	3.88E+01	U
MU	59	411209002	11/16/2016	K-40	1.15E+03	9.85E+01	6.62E+01	

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
MU	59	411209002	11/16/2016	La-140	8.68E+00	7.58E+00	2.81E+01	U
MU	59	411209002	11/16/2016	Mn-54	4.13E+00	2.12E+00	7.38E+00	U
MU	59	411209002	11/16/2016	Nb-95	3.00E+00	2.75E+00	9.46E+00	U
MU	59	411209002	11/16/2016	Pb-212	6.00E-01	3.89E+00	1.23E+01	U
MU	59	411209002	11/16/2016	Pb-214	1.34E+01	9.26E+00	1.83E+01	U
MU	59	411209002	11/16/2016	Ra-226	0.00E+00	7.43E+00	1.76E+01	U
MU	59	411209002	11/16/2016	Ru-103	-1.46E+00	2.32E+00	7.33E+00	U
MU	59	411209002	11/16/2016	Ru-106	1.49E+01	1.48E+01	5.24E+01	U
MU	59	411209002	11/16/2016	Sb-124	-9.84E+00	5.75E+00	1.13E+01	U
MU	59	411209002	11/16/2016	Sb-125	-1.56E+00	4.86E+00	1.61E+01	U
MU	59	411209002	11/16/2016	Se-75	2.11E+00	2.67E+00	8.67E+00	U
MU	59	411209002	11/16/2016	Th-228	6.00E-01	3.89E+00	1.23E+01	U
MU	59	411209002	11/16/2016	Th-230	0.00E+00	7.43E+00	1.76E+01	U
MU	59	411209002	11/16/2016	Tl-208	3.48E+00	2.96E+00	6.96E+00	U
MU	59	411209002	11/16/2016	Zn-65	2.37E+00	4.43E+00	1.49E+01	U
MU	59	411209002	11/16/2016	Zr-95	-8.15E-02	3.27E+00	1.07E+01	U
MS	06	398132004	5/17/2016	Sr-89	-1.68E+02	4.87E+01	7.86E+01	U
MS	06	398132004	5/17/2016	Sr-90	-1.08E+02	4.95E+01	1.99E+02	U
MS	06	411206004	11/14/2016	Sr-89	-8.33E+01	8.09E+01	1.84E+02	U
MS	06	411206004	11/14/2016	Sr-90	4.57E+01	6.50E+01	2.04E+02	U
MS	56	398132005	5/17/2016	Sr-89	-7.84E+01	8.02E+01	8.74E+01	U
MS	56	398132005	5/17/2016	Sr-90	5.41E+01	6.58E+01	1.99E+02	U
MS	56	411206005	11/14/2016	Sr-89	-1.13E+02	6.84E+01	1.55E+02	U
MS	56	411206005	11/14/2016	Sr-90	-5.70E+01	5.37E+01	1.87E+02	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
SE	02	398127001	5/17/2016	Ac-228	9.73E+02	1.23E+02	1.48E+02	
SE	02	398127001	5/17/2016	Ag-108m	4.38E+00	9.11E+00	2.95E+01	U
SE	02	398127001	5/17/2016	Ag-110m	1.18E+01	1.64E+01	5.34E+01	U
SE	02	398127001	5/17/2016	Ba-140	2.56E+02	1.87E+02	6.34E+02	U
SE	02	398127001	5/17/2016	Be-7	4.64E+01	1.11E+02	3.83E+02	U
SE	02	398127001	5/17/2016	Bi-214	7.18E+02	6.20E+01	7.52E+01	
SE	02	398127001	5/17/2016	Ce-141	2.78E+01	2.45E+01	8.61E+01	U
SE	02	398127001	5/17/2016	Ce-144	-1.32E+02	6.70E+01	1.88E+02	U
SE	02	398127001	5/17/2016	Co-57	-6.34E+00	6.99E+00	2.40E+01	U
SE	02	398127001	5/17/2016	Co-58	2.04E+01	1.49E+01	4.60E+01	U
SE	02	398127001	5/17/2016	Co-60	-1.64E+00	1.12E+01	3.71E+01	U
SE	02	398127001	5/17/2016	Cr-51	-1.92E+02	1.63E+02	5.31E+02	U
SE	02	398127001	5/17/2016	Cs-134	5.30E+01	2.00E+01	5.51E+01	U
SE	02	398127001	5/17/2016	Cs-137	1.54E+01	1.24E+01	4.31E+01	U
SE	02	398127001	5/17/2016	Fe-59	1.23E+01	3.60E+01	1.25E+02	U
SE	02	398127001	5/17/2016	I-131	2.23E+02	1.33E+02	4.52E+02	U
SE	02	398127001	5/17/2016	K-40	1.40E+04	8.08E+02	3.58E+02	
SE	02	398127001	5/17/2016	La-140	4.11E+01	7.53E+01	2.22E+02	U
SE	02	398127001	5/17/2016	Mn-54	1.58E+00	1.22E+01	4.16E+01	U
SE	02	398127001	5/17/2016	Nb-95	-2.01E+01	1.98E+01	5.32E+01	U
SE	02	398127001	5/17/2016	Pb-212	1.17E+03	9.08E+01	5.74E+01	
SE	02	398127001	5/17/2016	Pb-214	9.05E+02	6.81E+01	7.91E+01	
SE	02	398127001	5/17/2016	Ra-226	7.18E+02	6.20E+01	7.52E+01	
SE	02	398127001	5/17/2016	Ru-103	2.25E+01	1.69E+01	5.74E+01	U
SE	02	398127001	5/17/2016	Ru-106	7.21E+01	1.02E+02	3.60E+02	U
SE	02	398127001	5/17/2016	Sb-124	-7.01E+00	2.67E+01	8.75E+01	U
SE	02	398127001	5/17/2016	Sb-125	7.51E+01	4.71E+01	9.90E+01	U
SE	02	398127001	5/17/2016	Se-75	1.47E+00	1.52E+01	4.84E+01	U
SE	02	398127001	5/17/2016	Th-228	1.17E+03	9.08E+01	5.74E+01	
SE	02	398127001	5/17/2016	Th-230	7.18E+02	6.20E+01	7.52E+01	
SE	02	398127001	5/17/2016	Tl-208	3.08E+02	3.15E+01	3.71E+01	
SE	02	398127001	5/17/2016	Zn-65	-6.54E+01	3.89E+01	9.00E+01	U
SE	02	398127001	5/17/2016	Zr-95	-1.94E+01	2.80E+01	9.12E+01	U
SE	02	411214001	11/14/2016	Ac-228	8.88E+02	1.44E+02	1.91E+02	
SE	02	411214001	11/14/2016	Ag-108m	2.78E+00	1.16E+01	4.06E+01	U
SE	02	411214001	11/14/2016	Ag-110m	2.15E+01	2.17E+01	7.83E+01	U
SE	02	411214001	11/14/2016	Ba-140	1.76E+02	2.66E+02	9.33E+02	U
SE	02	411214001	11/14/2016	Be-7	-1.11E+02	1.58E+02	5.10E+02	U
SE	02	411214001	11/14/2016	Bi-214	7.64E+02	9.59E+01	9.54E+01	
SE	02	411214001	11/14/2016	Ce-141	2.60E+00	3.15E+01	1.09E+02	U
SE	02	411214001	11/14/2016	Ce-144	5.79E+01	7.73E+01	2.72E+02	U
SE	02	411214001	11/14/2016	Co-57	-3.88E+00	9.55E+00	3.25E+01	U
SE	02	411214001	11/14/2016	Co-58	1.84E+00	1.51E+01	5.33E+01	U
SE	02	411214001	11/14/2016	Co-60	-9.65E+00	1.32E+01	3.91E+01	U
SE	02	411214001	11/14/2016	Cr-51	-2.97E+02	2.14E+02	6.65E+02	U
SE	02	411214001	11/14/2016	Cs-134	3.84E+01	1.88E+01	6.40E+01	U
SE	02	411214001	11/14/2016	Cs-137	5.39E+00	1.43E+01	4.88E+01	U
SE	02	411214001	11/14/2016	Fe-59	-3.64E+01	4.87E+01	1.53E+02	U
SE	02	411214001	11/14/2016	I-131	-1.87E+02	1.70E+02	5.40E+02	U
SE	02	411214001	11/14/2016	K-40	1.60E+04	8.40E+02	4.76E+02	

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
SE	02	411214001	11/14/2016	La-140	-4.06E+01	1.07E+02	2.81E+02	U
SE	02	411214001	11/14/2016	Mn-54	5.28E+00	1.51E+01	5.36E+01	U
SE	02	411214001	11/14/2016	Nb-95	-1.64E+01	2.16E+01	6.53E+01	U
SE	02	411214001	11/14/2016	Pb-212	1.05E+03	6.54E+01	7.44E+01	
SE	02	411214001	11/14/2016	Pb-214	8.14E+02	8.69E+01	1.06E+02	
SE	02	411214001	11/14/2016	Ra-226	7.64E+02	9.59E+01	9.54E+01	
SE	02	411214001	11/14/2016	Ru-103	1.79E+01	2.25E+01	7.94E+01	U
SE	02	411214001	11/14/2016	Ru-106	-3.30E+01	1.06E+02	3.43E+02	U
SE	02	411214001	11/14/2016	Sb-124	-1.92E+01	4.05E+01	1.20E+02	U
SE	02	411214001	11/14/2016	Sb-125	2.21E+01	3.78E+01	1.22E+02	U
SE	02	411214001	11/14/2016	Se-75	-1.58E+01	1.71E+01	5.78E+01	U
SE	02	411214001	11/14/2016	Th-228	1.05E+03	6.54E+01	7.44E+01	
SE	02	411214001	11/14/2016	Th-230	7.64E+02	9.59E+01	9.54E+01	
SE	02	411214001	11/14/2016	Tl-208	3.60E+02	4.62E+01	4.01E+01	
SE	02	411214001	11/14/2016	Zn-65	-2.57E+00	3.75E+01	1.10E+02	U
SE	02	411214001	11/14/2016	Zr-95	-2.22E+01	3.14E+01	9.43E+01	U
SE	07	398128001	5/18/2016	Ac-228	4.36E+02	1.11E+02	1.70E+02	
SE	07	398128001	5/18/2016	Ag-108m	-1.23E+01	1.01E+01	3.18E+01	U
SE	07	398128001	5/18/2016	Ag-110m	-1.44E+01	1.80E+01	5.76E+01	U
SE	07	398128001	5/18/2016	Ba-140	3.03E+02	2.02E+02	7.01E+02	U
SE	07	398128001	5/18/2016	Be-7	2.81E+01	1.25E+02	4.37E+02	U
SE	07	398128001	5/18/2016	Bi-214	3.62E+02	5.55E+01	7.66E+01	
SE	07	398128001	5/18/2016	Ce-141	7.19E+00	2.36E+01	8.48E+01	U
SE	07	398128001	5/18/2016	Ce-144	-5.52E+01	6.75E+01	2.02E+02	U
SE	07	398128001	5/18/2016	Co-57	-1.27E+01	8.00E+00	2.55E+01	U
SE	07	398128001	5/18/2016	Co-58	5.48E+00	1.77E+01	5.41E+01	U
SE	07	398128001	5/18/2016	Co-60	3.94E+01	1.33E+01	4.75E+01	U
SE	07	398128001	5/18/2016	Cr-51	-1.62E+02	1.56E+02	5.17E+02	U
SE	07	398128001	5/18/2016	Cs-134	1.60E+01	1.56E+01	5.55E+01	U
SE	07	398128001	5/18/2016	Cs-137	1.09E+01	1.45E+01	5.01E+01	U
SE	07	398128001	5/18/2016	Fe-59	2.51E+00	4.09E+01	1.38E+02	U
SE	07	398128001	5/18/2016	I-131	1.02E+02	1.10E+02	3.97E+02	U
SE	07	398128001	5/18/2016	K-40	1.51E+04	8.89E+02	3.17E+02	
SE	07	398128001	5/18/2016	La-140	-2.43E+01	4.97E+01	1.56E+02	U
SE	07	398128001	5/18/2016	Mn-54	-1.36E+01	1.32E+01	4.13E+01	U
SE	07	398128001	5/18/2016	Nb-95	3.68E+01	2.14E+01	6.78E+01	U
SE	07	398128001	5/18/2016	Pb-212	3.74E+02	3.58E+01	5.64E+01	
SE	07	398128001	5/18/2016	Pb-214	2.01E+02	3.97E+01	7.94E+01	
SE	07	398128001	5/18/2016	Ra-226	3.62E+02	5.55E+01	7.66E+01	
SE	07	398128001	5/18/2016	Ru-103	3.31E+01	1.83E+01	6.28E+01	U
SE	07	398128001	5/18/2016	Ru-106	-3.66E-01	1.05E+02	3.57E+02	U
SE	07	398128001	5/18/2016	Sb-124	-3.14E+01	2.39E+01	5.47E+01	U
SE	07	398128001	5/18/2016	Sb-125	2.41E+01	2.99E+01	1.07E+02	U
SE	07	398128001	5/18/2016	Se-75	1.12E+01	1.44E+01	5.01E+01	U
SE	07	398128001	5/18/2016	Th-228	3.74E+02	3.58E+01	5.64E+01	
SE	07	398128001	5/18/2016	Th-230	3.62E+02	5.55E+01	7.66E+01	
SE	07	398128001	5/18/2016	Tl-208	1.09E+02	2.27E+01	3.87E+01	
SE	07	398128001	5/18/2016	Zn-65	1.44E+01	3.78E+01	1.13E+02	U
SE	07	398128001	5/18/2016	Zr-95	2.04E+01	2.84E+01	9.77E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
SE	07	411201001	11/16/2016	Ac-228	2.31E+02	1.45E+02	2.79E+02	U
SE	07	411201001	11/16/2016	Ag-108m	1.47E+01	1.22E+01	4.45E+01	U
SE	07	411201001	11/16/2016	Ag-110m	2.19E+01	2.27E+01	8.08E+01	U
SE	07	411201001	11/16/2016	Ba-140	-1.58E+02	2.35E+02	7.47E+02	U
SE	07	411201001	11/16/2016	Be-7	9.02E+01	1.70E+02	6.06E+02	U
SE	07	411201001	11/16/2016	Bi-214	3.27E+02	6.01E+01	9.15E+01	
SE	07	411201001	11/16/2016	Ce-141	-9.00E+00	3.04E+01	1.11E+02	U
SE	07	411201001	11/16/2016	Ce-144	1.36E+01	7.09E+01	2.67E+02	U
SE	07	411201001	11/16/2016	Co-57	1.05E+01	1.04E+01	3.95E+01	U
SE	07	411201001	11/16/2016	Co-58	-1.61E+01	1.87E+01	5.44E+01	U
SE	07	411201001	11/16/2016	Co-60	-1.32E+01	1.46E+01	4.22E+01	U
SE	07	411201001	11/16/2016	Cr-51	5.05E+02	6.92E+02	6.89E+02	U
SE	07	411201001	11/16/2016	Cs-134	7.67E+00	1.69E+01	5.88E+01	U
SE	07	411201001	11/16/2016	Cs-137	-3.50E+00	1.35E+01	4.41E+01	U
SE	07	411201001	11/16/2016	Fe-59	7.06E+01	5.44E+01	1.81E+02	U
SE	07	411201001	11/16/2016	I-131	-7.21E+01	1.40E+02	4.69E+02	U
SE	07	411201001	11/16/2016	K-40	1.40E+04	8.95E+02	2.81E+02	
SE	07	411201001	11/16/2016	La-140	1.61E+00	3.56E+01	1.22E+02	U
SE	07	411201001	11/16/2016	Mn-54	9.08E+00	1.37E+01	4.86E+01	U
SE	07	411201001	11/16/2016	Nb-95	8.27E+00	1.94E+01	6.74E+01	U
SE	07	411201001	11/16/2016	Pb-212	3.64E+02	5.27E+01	8.36E+01	
SE	07	411201001	11/16/2016	Pb-214	4.58E+02	6.00E+01	8.73E+01	
SE	07	411201001	11/16/2016	Ra-226	3.27E+02	6.01E+01	9.15E+01	
SE	07	411201001	11/16/2016	Ru-103	1.31E+01	1.68E+01	5.72E+01	U
SE	07	411201001	11/16/2016	Ru-106	1.22E+02	1.37E+02	4.94E+02	U
SE	07	411201001	11/16/2016	Sb-124	3.17E+01	2.36E+01	1.05E+02	U
SE	07	411201001	11/16/2016	Sb-125	2.91E+00	4.31E+01	1.51E+02	U
SE	07	411201001	11/16/2016	Se-75	2.48E+01	1.89E+01	6.95E+01	U
SE	07	411201001	11/16/2016	Th-228	3.64E+02	5.27E+01	8.36E+01	
SE	07	411201001	11/16/2016	Th-230	3.27E+02	6.01E+01	9.15E+01	
SE	07	411201001	11/16/2016	Tl-208	8.61E+01	3.06E+01	9.54E+01	U
SE	07	411201001	11/16/2016	Zn-65	3.82E+01	3.79E+01	1.30E+02	U
SE	07	411201001	11/16/2016	Zr-95	1.17E+01	4.16E+01	1.42E+02	U
SE	08	398128002	5/18/2016	Ac-228	4.25E+02	6.27E+01	1.22E+02	
SE	08	398128002	5/18/2016	Ag-108m	-1.17E+01	8.01E+00	2.39E+01	U
SE	08	398128002	5/18/2016	Ag-110m	-6.77E+00	1.51E+01	4.93E+01	U
SE	08	398128002	5/18/2016	Ba-140	-1.74E+01	1.53E+02	5.07E+02	U
SE	08	398128002	5/18/2016	Be-7	2.13E+00	1.02E+02	3.47E+02	U
SE	08	398128002	5/18/2016	Bi-214	2.69E+02	4.25E+01	6.36E+01	
SE	08	398128002	5/18/2016	Ce-141	7.12E+00	2.06E+01	7.36E+01	U
SE	08	398128002	5/18/2016	Ce-144	-6.51E+01	5.38E+01	1.77E+02	U
SE	08	398128002	5/18/2016	Co-57	-3.83E+00	6.23E+00	2.17E+01	U
SE	08	398128002	5/18/2016	Co-58	1.39E+01	1.33E+01	4.65E+01	U
SE	08	398128002	5/18/2016	Co-60	9.30E+00	1.00E+01	3.55E+01	U
SE	08	398128002	5/18/2016	Cr-51	-1.31E+02	1.38E+02	4.40E+02	U
SE	08	398128002	5/18/2016	Cs-134	1.61E+01	1.19E+01	4.16E+01	U
SE	08	398128002	5/18/2016	Cs-137	1.17E+01	1.18E+01	4.33E+01	U
SE	08	398128002	5/18/2016	Fe-59	4.90E+00	3.71E+01	1.23E+02	U
SE	08	398128002	5/18/2016	I-131	-3.62E+01	9.55E+01	3.29E+02	U
SE	08	398128002	5/18/2016	K-40	1.95E+04	1.04E+03	2.96E+02	

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
SE	08	398128002	5/18/2016	La-140	-5.17E+01	5.12E+01	1.48E+02	U
SE	08	398128002	5/18/2016	Mn-54	-1.17E+01	1.21E+01	3.82E+01	U
SE	08	398128002	5/18/2016	Nb-95	3.51E+00	1.34E+01	4.46E+01	U
SE	08	398128002	5/18/2016	Pb-212	3.88E+02	3.59E+01	4.94E+01	
SE	08	398128002	5/18/2016	Pb-214	2.41E+02	4.07E+01	7.26E+01	
SE	08	398128002	5/18/2016	Ra-226	2.69E+02	4.25E+01	6.36E+01	
SE	08	398128002	5/18/2016	Ru-103	-2.09E+00	1.34E+01	4.51E+01	U
SE	08	398128002	5/18/2016	Ru-106	4.78E+01	8.74E+01	3.13E+02	U
SE	08	398128002	5/18/2016	Sb-124	3.33E+00	2.60E+01	8.66E+01	U
SE	08	398128002	5/18/2016	Sb-125	-2.88E+01	2.43E+01	7.56E+01	U
SE	08	398128002	5/18/2016	Se-75	-1.51E+00	1.15E+01	4.13E+01	U
SE	08	398128002	5/18/2016	Th-228	3.88E+02	3.59E+01	4.94E+01	
SE	08	398128002	5/18/2016	Th-230	2.69E+02	4.25E+01	6.36E+01	
SE	08	398128002	5/18/2016	Tl-208	7.60E+01	1.79E+01	3.34E+01	
SE	08	398128002	5/18/2016	Zn-65	-2.63E+01	3.24E+01	8.32E+01	U
SE	08	398128002	5/18/2016	Zr-95	3.22E+01	2.32E+01	8.14E+01	U
SE	08	411201002	11/16/2016	Ac-228	2.34E+02	1.69E+02	3.18E+02	U
SE	08	411201002	11/16/2016	Ag-108m	-1.04E+01	1.28E+01	4.06E+01	U
SE	08	411201002	11/16/2016	Ag-110m	-3.87E+00	2.16E+01	7.28E+01	U
SE	08	411201002	11/16/2016	Ba-140	0.00E+00	3.78E+02	7.87E+02	U
SE	08	411201002	11/16/2016	Be-7	-1.08E+02	1.74E+02	5.57E+02	U
SE	08	411201002	11/16/2016	Bi-214	2.74E+02	6.73E+01	9.12E+01	
SE	08	411201002	11/16/2016	Ce-141	2.26E+01	9.71E+01	1.12E+02	U
SE	08	411201002	11/16/2016	Ce-144	5.45E+01	7.89E+01	2.77E+02	U
SE	08	411201002	11/16/2016	Co-57	6.02E-01	1.01E+01	3.50E+01	U
SE	08	411201002	11/16/2016	Co-58	1.94E-01	1.86E+01	6.45E+01	U
SE	08	411201002	11/16/2016	Co-60	7.03E+00	1.76E+01	6.00E+01	U
SE	08	411201002	11/16/2016	Cr-51	1.67E+02	2.37E+02	8.55E+02	U
SE	08	411201002	11/16/2016	Cs-134	9.28E+00	1.88E+01	6.71E+01	U
SE	08	411201002	11/16/2016	Cs-137	9.00E+00	1.78E+01	6.43E+01	U
SE	08	411201002	11/16/2016	Fe-59	-2.24E+01	5.30E+01	1.70E+02	U
SE	08	411201002	11/16/2016	I-131	1.35E+02	2.98E+02	5.20E+02	U
SE	08	411201002	11/16/2016	K-40	1.86E+04	1.03E+03	4.97E+02	
SE	08	411201002	11/16/2016	La-140	-1.47E+01	6.66E+01	2.17E+02	U
SE	08	411201002	11/16/2016	Mn-54	-2.19E+01	1.73E+01	5.08E+01	U
SE	08	411201002	11/16/2016	Nb-95	1.51E+01	2.46E+01	8.69E+01	U
SE	08	411201002	11/16/2016	Pb-212	3.01E+02	7.05E+01	8.57E+01	
SE	08	411201002	11/16/2016	Pb-214	3.86E+02	6.51E+01	1.89E+02	
SE	08	411201002	11/16/2016	Ra-226	2.74E+02	6.73E+01	9.12E+01	
SE	08	411201002	11/16/2016	Ru-103	-3.37E+01	2.64E+01	6.47E+01	U
SE	08	411201002	11/16/2016	Ru-106	1.40E+02	1.42E+02	4.99E+02	U
SE	08	411201002	11/16/2016	Sb-124	9.37E+00	3.49E+01	1.23E+02	U
SE	08	411201002	11/16/2016	Sb-125	-2.44E+01	3.46E+01	1.10E+02	U
SE	08	411201002	11/16/2016	Se-75	-2.64E+01	1.86E+01	5.77E+01	U
SE	08	411201002	11/16/2016	Th-228	3.01E+02	7.05E+01	8.57E+01	
SE	08	411201002	11/16/2016	Th-230	2.74E+02	6.72E+01	9.12E+01	
SE	08	411201002	11/16/2016	Tl-208	1.26E+02	3.54E+01	4.84E+01	
SE	08	411201002	11/16/2016	Zn-65	-8.50E+01	5.19E+01	1.06E+02	U
SE	08	411201002	11/16/2016	Zr-95	-1.39E+01	3.65E+01	1.23E+02	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
SE	52	398127002	5/17/2016	Ac-228	1.83E+03	1.79E+02	1.73E+02	
SE	52	398127002	5/17/2016	Ag-108m	-1.08E+01	1.18E+01	3.79E+01	U
SE	52	398127002	5/17/2016	Ag-110m	2.03E+01	2.00E+01	6.78E+01	U
SE	52	398127002	5/17/2016	Ba-140	-9.61E+01	2.20E+02	7.13E+02	U
SE	52	398127002	5/17/2016	Be-7	-2.42E+02	1.67E+02	4.97E+02	U
SE	52	398127002	5/17/2016	Bi-214	1.17E+03	8.58E+01	8.73E+01	
SE	52	398127002	5/17/2016	Ce-141	-2.04E+01	3.46E+01	1.16E+02	U
SE	52	398127002	5/17/2016	Ce-144	-8.95E+01	8.93E+01	2.83E+02	U
SE	52	398127002	5/17/2016	Co-57	-1.20E+01	1.10E+01	3.67E+01	U
SE	52	398127002	5/17/2016	Co-58	-1.23E+01	1.69E+01	5.40E+01	U
SE	52	398127002	5/17/2016	Co-60	5.67E+00	1.33E+01	3.96E+01	U
SE	52	398127002	5/17/2016	Cr-51	1.90E+02	2.14E+02	7.48E+02	U
SE	52	398127002	5/17/2016	Cs-134	0.00E+00	3.01E+01	6.66E+01	U
SE	52	398127002	5/17/2016	Cs-137	-3.97E+01	1.73E+01	4.48E+01	U
SE	52	398127002	5/17/2016	Fe-59	5.18E+01	4.41E+01	1.39E+02	U
SE	52	398127002	5/17/2016	I-131	2.01E+02	2.15E+02	5.08E+02	U
SE	52	398127002	5/17/2016	K-40	1.22E+04	7.61E+02	4.30E+02	
SE	52	398127002	5/17/2016	La-140	1.55E+01	7.96E+01	2.27E+02	U
SE	52	398127002	5/17/2016	Mn-54	1.39E+01	1.55E+01	5.26E+01	U
SE	52	398127002	5/17/2016	Nb-95	4.92E+01	2.31E+01	6.69E+01	U
SE	52	398127002	5/17/2016	Pb-212	1.97E+03	1.02E+02	7.73E+01	
SE	52	398127002	5/17/2016	Pb-214	1.54E+03	1.08E+02	2.51E+02	
SE	52	398127002	5/17/2016	Ra-226	1.17E+03	8.58E+01	8.73E+01	
SE	52	398127002	5/17/2016	Ru-103	2.61E+01	1.99E+01	6.71E+01	U
SE	52	398127002	5/17/2016	Ru-106	6.89E+01	1.16E+02	4.07E+02	U
SE	52	398127002	5/17/2016	Sb-124	2.99E+01	2.96E+01	1.04E+02	U
SE	52	398127002	5/17/2016	Sb-125	-1.49E+01	3.74E+01	1.25E+02	U
SE	52	398127002	5/17/2016	Se-75	-3.53E+00	2.03E+01	6.31E+01	U
SE	52	398127002	5/17/2016	Th-228	1.97E+03	1.02E+02	7.73E+01	
SE	52	398127002	5/17/2016	Th-230	1.17E+03	8.58E+01	8.73E+01	
SE	52	398127002	5/17/2016	Tl-208	5.56E+02	4.23E+01	4.54E+01	
SE	52	398127002	5/17/2016	Zn-65	-1.57E+01	3.40E+01	9.55E+01	U
SE	52	398127002	5/17/2016	Zr-95	5.89E+01	3.48E+01	1.16E+02	U
SE	52	411214002	11/14/2016	Ac-228	1.60E+03	1.92E+02	1.94E+02	
SE	52	411214002	11/14/2016	Ag-108m	1.24E+01	1.31E+01	4.68E+01	U
SE	52	411214002	11/14/2016	Ag-110m	3.11E+01	5.07E+01	9.43E+01	U
SE	52	411214002	11/14/2016	Ba-140	-9.55E+01	3.08E+02	1.02E+03	U
SE	52	411214002	11/14/2016	Be-7	1.50E+02	1.93E+02	6.84E+02	U
SE	52	411214002	11/14/2016	Bi-214	1.04E+03	9.83E+01	1.04E+02	
SE	52	411214002	11/14/2016	Ce-141	-4.09E+01	4.29E+01	1.37E+02	U
SE	52	411214002	11/14/2016	Ce-144	4.80E+01	9.80E+01	3.41E+02	U
SE	52	411214002	11/14/2016	Co-57	1.30E+01	1.20E+01	4.18E+01	U
SE	52	411214002	11/14/2016	Co-58	6.23E+00	1.97E+01	6.59E+01	U
SE	52	411214002	11/14/2016	Co-60	8.05E+00	1.74E+01	6.04E+01	U
SE	52	411214002	11/14/2016	Cr-51	-1.91E+02	2.45E+02	8.17E+02	U
SE	52	411214002	11/14/2016	Cs-134	0.00E+00	3.99E+01	7.56E+01	U
SE	52	411214002	11/14/2016	Cs-137	-4.35E+01	2.03E+01	4.47E+01	U
SE	52	411214002	11/14/2016	Fe-59	-2.71E+01	5.55E+01	1.53E+02	U
SE	52	411214002	11/14/2016	I-131	3.60E+02	2.39E+02	7.88E+02	U
SE	52	411214002	11/14/2016	K-40	1.27E+04	8.58E+02	5.84E+02	

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
SE	52	411214002	11/14/2016	La-140	1.35E+02	9.62E+01	3.58E+02	U
SE	52	411214002	11/14/2016	Mn-54	-1.83E+01	2.07E+01	6.64E+01	U
SE	52	411214002	11/14/2016	Nb-95	2.96E+01	1.82E+01	7.52E+01	U
SE	52	411214002	11/14/2016	Pb-212	1.47E+03	8.47E+01	8.92E+01	
SE	52	411214002	11/14/2016	Pb-214	1.27E+03	1.08E+02	1.16E+02	
SE	52	411214002	11/14/2016	Ra-226	1.04E+03	9.83E+01	1.04E+02	
SE	52	411214002	11/14/2016	Ru-103	2.16E+01	2.35E+01	8.35E+01	U
SE	52	411214002	11/14/2016	Ru-106	-4.79E+01	1.38E+02	4.46E+02	U
SE	52	411214002	11/14/2016	Sb-124	-3.75E+01	3.94E+01	9.49E+01	U
SE	52	411214002	11/14/2016	Sb-125	1.24E+01	4.68E+01	1.64E+02	U
SE	52	411214002	11/14/2016	Se-75	-6.02E+00	2.14E+01	7.23E+01	U
SE	52	411214002	11/14/2016	Th-228	1.47E+03	8.47E+01	8.92E+01	
SE	52	411214002	11/14/2016	Th-230	1.04E+03	9.83E+01	1.04E+02	
SE	52	411214002	11/14/2016	Tl-208	4.60E+02	5.27E+01	5.60E+01	
SE	52	411214002	11/14/2016	Zn-65	-1.13E+01	4.55E+01	1.31E+02	U
SE	52	411214002	11/14/2016	Zr-95	-3.55E+01	4.57E+01	1.37E+02	U
SE	57	398128003	5/16/2016	Ac-228	3.88E+02	9.52E+01	1.38E+02	
SE	57	398128003	5/16/2016	Ag-108m	5.39E+00	9.62E+00	2.89E+01	U
SE	57	398128003	5/16/2016	Ag-110m	3.17E-01	1.61E+01	5.31E+01	U
SE	57	398128003	5/16/2016	Ba-140	-1.47E+02	1.76E+02	5.76E+02	U
SE	57	398128003	5/16/2016	Be-7	-1.18E+01	1.17E+02	4.09E+02	U
SE	57	398128003	5/16/2016	Bi-214	2.23E+02	4.85E+01	7.60E+01	
SE	57	398128003	5/16/2016	Ce-141	-1.03E+01	2.34E+01	7.85E+01	U
SE	57	398128003	5/16/2016	Ce-144	-6.88E+00	5.47E+01	1.87E+02	U
SE	57	398128003	5/16/2016	Co-57	-6.43E+00	6.76E+00	2.21E+01	U
SE	57	398128003	5/16/2016	Co-58	1.74E+01	1.25E+01	4.29E+01	U
SE	57	398128003	5/16/2016	Co-60	1.37E+01	1.25E+01	4.30E+01	U
SE	57	398128003	5/16/2016	Cr-51	1.23E+02	1.59E+02	5.53E+02	U
SE	57	398128003	5/16/2016	Cs-134	-1.24E+01	1.27E+01	3.92E+01	U
SE	57	398128003	5/16/2016	Cs-137	-1.60E+01	1.39E+01	3.63E+01	U
SE	57	398128003	5/16/2016	Fe-59	3.35E+01	3.72E+01	1.28E+02	U
SE	57	398128003	5/16/2016	I-131	3.41E+01	1.19E+02	4.08E+02	U
SE	57	398128003	5/16/2016	K-40	1.74E+04	9.44E+02	3.26E+02	
SE	57	398128003	5/16/2016	La-140	-1.15E+02	5.76E+01	1.33E+02	U
SE	57	398128003	5/16/2016	Mn-54	-6.17E+00	1.18E+01	3.79E+01	U
SE	57	398128003	5/16/2016	Nb-95	3.24E+01	1.61E+01	5.25E+01	U
SE	57	398128003	5/16/2016	Pb-212	3.37E+02	3.39E+01	5.26E+01	
SE	57	398128003	5/16/2016	Pb-214	2.78E+02	4.66E+01	6.88E+01	
SE	57	398128003	5/16/2016	Ra-226	2.23E+02	4.85E+01	7.60E+01	
SE	57	398128003	5/16/2016	Ru-103	1.27E+01	1.38E+01	4.91E+01	U
SE	57	398128003	5/16/2016	Ru-106	-1.60E+02	1.09E+02	3.28E+02	U
SE	57	398128003	5/16/2016	Sb-124	3.18E+00	2.71E+01	9.17E+01	U
SE	57	398128003	5/16/2016	Sb-125	-3.93E+01	2.67E+01	7.74E+01	U
SE	57	398128003	5/16/2016	Se-75	-1.74E+01	1.42E+01	4.56E+01	U
SE	57	398128003	5/16/2016	Th-228	3.37E+02	3.39E+01	5.26E+01	
SE	57	398128003	5/16/2016	Th-230	2.23E+02	4.85E+01	7.60E+01	
SE	57	398128003	5/16/2016	Tl-208	1.13E+02	1.75E+01	3.31E+01	
SE	57	398128003	5/16/2016	Zn-65	4.25E+01	3.30E+01	9.96E+01	U
SE	57	398128003	5/16/2016	Zr-95	-8.71E+00	2.39E+01	7.84E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
SE	57	411201003	11/16/2016	Ac-228	2.59E+02	9.06E+01	1.36E+02	
SE	57	411201003	11/16/2016	Ag-108m	-6.89E+00	8.97E+00	2.95E+01	U
SE	57	411201003	11/16/2016	Ag-110m	3.44E+00	1.49E+01	5.04E+01	U
SE	57	411201003	11/16/2016	Ba-140	3.97E+01	1.63E+02	5.78E+02	U
SE	57	411201003	11/16/2016	Be-7	-1.55E-02	1.16E+02	4.10E+02	U
SE	57	411201003	11/16/2016	Bi-214	2.48E+02	5.42E+01	7.70E+01	
SE	57	411201003	11/16/2016	Ce-141	1.06E+01	2.07E+01	7.58E+01	U
SE	57	411201003	11/16/2016	Ce-144	-7.17E+00	5.47E+01	1.82E+02	U
SE	57	411201003	11/16/2016	Co-57	-8.12E+00	6.17E+00	1.97E+01	U
SE	57	411201003	11/16/2016	Co-58	1.83E+01	1.45E+01	5.26E+01	U
SE	57	411201003	11/16/2016	Co-60	1.12E+01	1.52E+01	4.96E+01	U
SE	57	411201003	11/16/2016	Cr-51	2.54E+02	1.46E+02	5.20E+02	U
SE	57	411201003	11/16/2016	Cs-134	2.47E+01	1.57E+01	5.05E+01	U
SE	57	411201003	11/16/2016	Cs-137	-1.46E+01	1.38E+01	4.12E+01	U
SE	57	411201003	11/16/2016	Fe-59	1.35E+02	6.24E+01	1.83E+02	U
SE	57	411201003	11/16/2016	I-131	-8.18E+01	1.15E+02	3.93E+02	U
SE	57	411201003	11/16/2016	K-40	1.49E+04	8.38E+02	4.60E+02	
SE	57	411201003	11/16/2016	La-140	8.75E+01	5.47E+01	2.18E+02	U
SE	57	411201003	11/16/2016	Mn-54	1.77E+00	1.24E+01	4.15E+01	U
SE	57	411201003	11/16/2016	Nb-95	-1.44E+00	1.55E+01	4.56E+01	U
SE	57	411201003	11/16/2016	Pb-212	2.80E+02	4.57E+01	6.14E+01	
SE	57	411201003	11/16/2016	Pb-214	3.33E+02	5.44E+01	8.28E+01	
SE	57	411201003	11/16/2016	Ra-226	2.48E+02	5.42E+01	7.70E+01	
SE	57	411201003	11/16/2016	Ru-103	-1.33E+01	1.41E+01	4.39E+01	U
SE	57	411201003	11/16/2016	Ru-106	1.46E+01	1.06E+02	3.65E+02	U
SE	57	411201003	11/16/2016	Sb-124	3.38E+01	3.86E+01	1.41E+02	U
SE	57	411201003	11/16/2016	Sb-125	-1.55E+01	2.94E+01	1.00E+02	U
SE	57	411201003	11/16/2016	Se-75	7.24E+00	1.40E+01	4.89E+01	U
SE	57	411201003	11/16/2016	Th-228	2.80E+02	4.57E+01	6.14E+01	
SE	57	411201003	11/16/2016	Th-230	2.48E+02	5.42E+01	7.70E+01	
SE	57	411201003	11/16/2016	Tl-208	8.35E+01	2.36E+01	3.71E+01	
SE	57	411201003	11/16/2016	Zn-65	2.14E+01	3.14E+01	1.03E+02	U
SE	57	411201003	11/16/2016	Zr-95	2.82E+01	3.04E+01	1.08E+02	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TF	02	400154001	6/21/2016	Ac-228	1.75E+01	1.08E+01	2.04E+01	U
TF	02	400154001	6/21/2016	Ag-108m	-1.76E+00	1.24E+00	3.73E+00	U
TF	02	400154001	6/21/2016	Ag-110m	-2.53E+00	2.01E+00	5.97E+00	U
TF	02	400154001	6/21/2016	Ba-140	-8.67E+00	6.74E+00	2.00E+01	U
TF	02	400154001	6/21/2016	Be-7	2.82E+01	1.35E+01	4.10E+01	U
TF	02	400154001	6/21/2016	Ce-141	-2.51E+00	2.26E+00	6.22E+00	U
TF	02	400154001	6/21/2016	Ce-144	1.06E+01	8.43E+00	2.45E+01	U
TF	02	400154001	6/21/2016	Co-57	-2.11E+00	1.06E+00	3.02E+00	U
TF	02	400154001	6/21/2016	Co-58	-1.74E+00	1.38E+00	4.14E+00	U
TF	02	400154001	6/21/2016	Co-60	-1.51E+00	1.71E+00	5.29E+00	U
TF	02	400154001	6/21/2016	Cr-51	4.01E+00	1.12E+01	3.79E+01	U
TF	02	400154001	6/21/2016	Cs-134	-4.56E-01	1.52E+00	4.96E+00	U
TF	02	400154001	6/21/2016	Cs-137	1.46E+00	1.44E+00	4.83E+00	U
TF	02	400154001	6/21/2016	Fe-59	3.78E-01	3.32E+00	1.11E+01	U
TF	02	400154001	6/21/2016	I-131	-4.93E+00	2.65E+00	7.59E+00	U
TF	02	400154001	6/21/2016	K-40	1.63E+03	9.14E+01	4.91E+01	
TF	02	400154001	6/21/2016	La-140	-9.72E-01	2.41E+00	7.85E+00	U
TF	02	400154001	6/21/2016	Mn-54	-1.38E+00	1.36E+00	4.16E+00	U
TF	02	400154001	6/21/2016	Nb-95	-2.07E-01	1.34E+00	4.42E+00	U
TF	02	400154001	6/21/2016	Ru-103	-1.28E+00	1.41E+00	4.39E+00	U
TF	02	400154001	6/21/2016	Ru-106	2.29E+00	1.13E+01	3.82E+01	U
TF	02	400154001	6/21/2016	Sb-124	9.64E+00	6.27E+00	1.24E+01	U
TF	02	400154001	6/21/2016	Sb-125	5.25E+00	3.65E+00	1.18E+01	U
TF	02	400154001	6/21/2016	Se-75	7.92E-01	1.89E+00	5.35E+00	U
TF	02	400154001	6/21/2016	Th-228	1.52E+00	2.86E+00	8.39E+00	U
TF	02	400154001	6/21/2016	Zn-65	-3.52E-01	3.97E+00	1.13E+01	U
TF	02	400154001	6/21/2016	Zr-95	-8.62E-02	2.90E+00	8.22E+00	U
TF	02	402319001	7/20/2016	Ac-228	1.87E+01	2.04E+01	7.23E+01	U
TF	02	402319001	7/20/2016	Ag-108m	2.51E+00	3.97E+00	1.37E+01	U
TF	02	402319001	7/20/2016	Ag-110m	8.54E+00	7.11E+00	2.47E+01	U
TF	02	402319001	7/20/2016	Ba-140	1.35E+01	2.10E+01	7.18E+01	U
TF	02	402319001	7/20/2016	Be-7	1.20E+01	3.57E+01	1.22E+02	U
TF	02	402319001	7/20/2016	Ce-141	7.54E+00	9.91E+00	2.02E+01	U
TF	02	402319001	7/20/2016	Ce-144	2.46E+01	2.99E+01	8.62E+01	U
TF	02	402319001	7/20/2016	Co-57	3.80E-02	3.34E+00	1.06E+01	U
TF	02	402319001	7/20/2016	Co-58	5.78E+00	4.68E+00	1.59E+01	U
TF	02	402319001	7/20/2016	Co-60	-2.41E+00	5.52E+00	1.71E+01	U
TF	02	402319001	7/20/2016	Cr-51	-5.72E+01	4.00E+01	1.13E+02	U
TF	02	402319001	7/20/2016	Cs-134	-1.57E-01	5.21E+00	1.68E+01	U
TF	02	402319001	7/20/2016	Cs-137	-4.65E+00	5.69E+00	1.46E+01	U
TF	02	402319001	7/20/2016	Fe-59	-1.80E+00	1.01E+01	3.28E+01	U
TF	02	402319001	7/20/2016	I-131	-1.29E+00	7.33E+00	2.34E+01	U
TF	02	402319001	7/20/2016	K-40	2.38E+03	2.06E+02	1.08E+02	
TF	02	402319001	7/20/2016	La-140	2.65E+00	5.89E+00	2.07E+01	U
TF	02	402319001	7/20/2016	Mn-54	-2.02E+00	4.40E+00	1.36E+01	U
TF	02	402319001	7/20/2016	Nb-95	8.89E+00	5.13E+00	1.72E+01	U
TF	02	402319001	7/20/2016	Ru-103	-6.52E+00	4.21E+00	1.17E+01	U
TF	02	402319001	7/20/2016	Ru-106	3.49E+01	4.54E+01	1.54E+02	U
TF	02	402319001	7/20/2016	Sb-124	1.90E+00	6.78E+00	2.36E+01	U
TF	02	402319001	7/20/2016	Sb-125	-2.00E+01	1.23E+01	3.49E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TF	02	402319001	7/20/2016	Se-75	-3.32E+00	5.85E+00	1.86E+01	U
TF	02	402319001	7/20/2016	Th-228	7.49E+00	8.71E+00	2.71E+01	U
TF	02	402319001	7/20/2016	Zn-65	-1.19E+01	1.12E+01	3.27E+01	U
TF	02	402319001	7/20/2016	Zr-95	7.86E+00	8.48E+00	2.87E+01	U
TF	02	404121001	8/16/2016	Ac-228	5.28E+00	7.19E+00	1.69E+01	U
TF	02	404121001	8/16/2016	Ag-108m	-2.24E-01	8.49E-01	2.76E+00	U
TF	02	404121001	8/16/2016	Ag-110m	2.25E+00	1.55E+00	5.07E+00	U
TF	02	404121001	8/16/2016	Ba-140	-1.39E+00	4.34E+00	1.38E+01	U
TF	02	404121001	8/16/2016	Be-7	-1.37E+01	8.99E+00	2.49E+01	U
TF	02	404121001	8/16/2016	Ce-141	7.40E-01	2.23E+00	4.39E+00	U
TF	02	404121001	8/16/2016	Ce-144	-5.23E+00	5.48E+00	1.72E+01	U
TF	02	404121001	8/16/2016	Co-57	2.12E-01	7.14E-01	2.36E+00	U
TF	02	404121001	8/16/2016	Co-58	-7.37E-01	9.55E-01	3.01E+00	U
TF	02	404121001	8/16/2016	Co-60	-3.46E-01	1.08E+00	3.51E+00	U
TF	02	404121001	8/16/2016	Cr-51	2.61E+00	7.75E+00	2.61E+01	U
TF	02	404121001	8/16/2016	Cs-134	-2.21E+00	1.56E+00	3.44E+00	U
TF	02	404121001	8/16/2016	Cs-137	-1.47E+00	1.75E+00	4.45E+00	U
TF	02	404121001	8/16/2016	Fe-59	-1.19E+00	2.24E+00	7.01E+00	U
TF	02	404121001	8/16/2016	I-131	3.24E-01	1.21E+00	4.05E+00	U
TF	02	404121001	8/16/2016	K-40	1.40E+03	5.81E+01	3.37E+01	
TF	02	404121001	8/16/2016	La-140	1.78E-01	1.49E+00	4.38E+00	U
TF	02	404121001	8/16/2016	Mn-54	-2.32E+00	1.13E+00	2.97E+00	U
TF	02	404121001	8/16/2016	Nb-95	-4.63E-01	1.00E+00	3.25E+00	U
TF	02	404121001	8/16/2016	Ru-103	-1.21E+00	1.00E+00	3.01E+00	U
TF	02	404121001	8/16/2016	Ru-106	1.01E+01	9.33E+00	3.15E+01	U
TF	02	404121001	8/16/2016	Sb-124	2.30E+00	2.21E+00	7.49E+00	U
TF	02	404121001	8/16/2016	Sb-125	3.84E+00	3.14E+00	9.11E+00	U
TF	02	404121001	8/16/2016	Se-75	1.31E+00	1.19E+00	3.98E+00	U
TF	02	404121001	8/16/2016	Th-228	7.77E-01	2.57E+00	6.10E+00	U
TF	02	404121001	8/16/2016	Zn-65	1.04E-01	2.52E+00	8.14E+00	U
TF	02	404121001	8/16/2016	Zr-95	9.88E-01	1.74E+00	5.87E+00	U
TF	03	400154002	6/21/2016	Ac-228	1.18E+01	9.75E+00	2.25E+01	U
TF	03	400154002	6/21/2016	Ag-108m	-2.25E+00	1.57E+00	4.00E+00	U
TF	03	400154002	6/21/2016	Ag-110m	-1.88E+00	2.28E+00	6.24E+00	U
TF	03	400154002	6/21/2016	Ba-140	-7.72E+00	7.88E+00	2.44E+01	U
TF	03	400154002	6/21/2016	Be-7	2.76E+01	1.47E+01	4.53E+01	U
TF	03	400154002	6/21/2016	Ce-141	1.41E+00	3.80E+00	9.17E+00	U
TF	03	400154002	6/21/2016	Ce-144	3.05E-01	1.10E+01	3.55E+01	U
TF	03	400154002	6/21/2016	Co-57	1.86E+00	1.57E+00	4.95E+00	U
TF	03	400154002	6/21/2016	Co-58	-1.14E+00	1.52E+00	4.68E+00	U
TF	03	400154002	6/21/2016	Co-60	-2.15E+00	1.63E+00	4.82E+00	U
TF	03	400154002	6/21/2016	Cr-51	-7.51E+00	1.34E+01	4.38E+01	U
TF	03	400154002	6/21/2016	Cs-134	2.07E+00	1.76E+00	5.65E+00	U
TF	03	400154002	6/21/2016	Cs-137	2.60E-01	1.58E+00	5.16E+00	U
TF	03	400154002	6/21/2016	Fe-59	3.80E+00	3.83E+00	1.11E+01	U
TF	03	400154002	6/21/2016	I-131	1.48E+00	2.58E+00	8.58E+00	U
TF	03	400154002	6/21/2016	K-40	1.50E+03	9.78E+01	4.40E+01	
TF	03	400154002	6/21/2016	La-140	-8.61E-01	2.38E+00	7.59E+00	U
TF	03	400154002	6/21/2016	Mn-54	5.82E-01	1.49E+00	5.03E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TF	03	400154002	6/21/2016	Nb-95	3.86E+00	1.81E+00	5.43E+00	U
TF	03	400154002	6/21/2016	Ru-103	-7.37E-01	1.51E+00	4.86E+00	U
TF	03	400154002	6/21/2016	Ru-106	-2.82E-02	1.40E+01	4.54E+01	U
TF	03	400154002	6/21/2016	Sb-124	-4.95E+00	3.76E+00	1.08E+01	U
TF	03	400154002	6/21/2016	Sb-125	-1.63E+00	5.09E+00	1.25E+01	U
TF	03	400154002	6/21/2016	Se-75	2.75E+00	1.90E+00	6.13E+00	U
TF	03	400154002	6/21/2016	Th-228	4.20E+00	4.09E+00	7.64E+00	U
TF	03	400154002	6/21/2016	Zn-65	-6.78E+00	3.77E+00	1.05E+01	U
TF	03	400154002	6/21/2016	Zr-95	-9.92E-03	2.69E+00	8.67E+00	U
TF	03	402319002	7/20/2016	Ac-228	-1.13E+01	1.80E+01	5.74E+01	U
TF	03	402319002	7/20/2016	Ag-108m	1.65E+00	3.17E+00	1.07E+01	U
TF	03	402319002	7/20/2016	Ag-110m	9.26E-02	4.66E+00	1.57E+01	U
TF	03	402319002	7/20/2016	Ba-140	1.21E+01	1.92E+01	6.44E+01	U
TF	03	402319002	7/20/2016	Be-7	3.86E+01	3.15E+01	1.06E+02	U
TF	03	402319002	7/20/2016	Ce-141	3.17E+00	6.42E+00	1.84E+01	U
TF	03	402319002	7/20/2016	Ce-144	3.11E+00	2.50E+01	7.06E+01	U
TF	03	402319002	7/20/2016	Co-57	2.05E-01	2.94E+00	9.50E+00	U
TF	03	402319002	7/20/2016	Co-58	4.31E+00	4.20E+00	1.41E+01	U
TF	03	402319002	7/20/2016	Co-60	7.46E-01	4.03E+00	1.35E+01	U
TF	03	402319002	7/20/2016	Cr-51	-1.15E+01	3.20E+01	1.05E+02	U
TF	03	402319002	7/20/2016	Cs-134	2.59E+00	4.62E+00	1.45E+01	U
TF	03	402319002	7/20/2016	Cs-137	2.59E+00	4.48E+00	1.49E+01	U
TF	03	402319002	7/20/2016	Fe-59	-2.87E+00	8.21E+00	2.65E+01	U
TF	03	402319002	7/20/2016	I-131	-8.92E+00	5.84E+00	1.65E+01	U
TF	03	402319002	7/20/2016	K-40	3.11E+03	2.33E+02	1.07E+02	
TF	03	402319002	7/20/2016	La-140	4.21E+00	5.78E+00	2.01E+01	U
TF	03	402319002	7/20/2016	Mn-54	-3.76E+00	3.80E+00	1.12E+01	U
TF	03	402319002	7/20/2016	Nb-95	1.41E+00	3.63E+00	1.20E+01	U
TF	03	402319002	7/20/2016	Ru-103	-3.55E+00	4.47E+00	1.16E+01	U
TF	03	402319002	7/20/2016	Ru-106	-5.68E+00	3.38E+01	1.09E+02	U
TF	03	402319002	7/20/2016	Sb-124	1.03E+01	8.00E+00	2.92E+01	U
TF	03	402319002	7/20/2016	Sb-125	5.06E+00	1.03E+01	3.46E+01	U
TF	03	402319002	7/20/2016	Se-75	3.57E-01	4.16E+00	1.40E+01	U
TF	03	402319002	7/20/2016	Th-228	7.27E-01	4.74E+00	1.94E+01	U
TF	03	402319002	7/20/2016	Zn-65	7.30E+00	8.60E+00	2.97E+01	U
TF	03	402319002	7/20/2016	Zr-95	-7.11E+00	7.28E+00	2.11E+01	U
TF	03	404121002	8/16/2016	Ac-228	-1.01E+01	6.26E+00	1.64E+01	U
TF	03	404121002	8/16/2016	Ag-108m	-1.53E+00	9.99E-01	2.94E+00	U
TF	03	404121002	8/16/2016	Ag-110m	-2.49E-01	1.49E+00	4.98E+00	U
TF	03	404121002	8/16/2016	Ba-140	3.85E-01	4.20E+00	1.38E+01	U
TF	03	404121002	8/16/2016	Be-7	3.26E+00	8.69E+00	2.88E+01	U
TF	03	404121002	8/16/2016	Ce-141	2.19E+00	1.91E+00	5.31E+00	U
TF	03	404121002	8/16/2016	Ce-144	2.74E+00	7.01E+00	2.19E+01	U
TF	03	404121002	8/16/2016	Co-57	1.63E-01	8.99E-01	2.91E+00	U
TF	03	404121002	8/16/2016	Co-58	3.83E-01	1.22E+00	3.72E+00	U
TF	03	404121002	8/16/2016	Co-60	1.68E+00	1.71E+00	3.85E+00	U
TF	03	404121002	8/16/2016	Cr-51	1.70E+01	9.76E+00	3.02E+01	U
TF	03	404121002	8/16/2016	Cs-134	8.51E-01	1.37E+00	3.90E+00	U
TF	03	404121002	8/16/2016	Cs-137	-4.00E-01	1.30E+00	4.17E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TF	03	404121002	8/16/2016	Fe-59	-2.86E+00	2.39E+00	7.23E+00	U
TF	03	404121002	8/16/2016	I-131	-5.52E-02	1.27E+00	4.20E+00	U
TF	03	404121002	8/16/2016	K-40	1.62E+03	1.01E+02	3.14E+01	
TF	03	404121002	8/16/2016	La-140	-3.69E-01	1.53E+00	4.16E+00	U
TF	03	404121002	8/16/2016	Mn-54	1.13E+00	1.16E+00	3.93E+00	U
TF	03	404121002	8/16/2016	Nb-95	-3.40E-01	1.24E+00	3.95E+00	U
TF	03	404121002	8/16/2016	Ru-103	8.56E-01	1.06E+00	3.49E+00	U
TF	03	404121002	8/16/2016	Ru-106	-2.63E-01	1.02E+01	3.32E+01	U
TF	03	404121002	8/16/2016	Sb-124	1.83E+00	2.34E+00	7.87E+00	U
TF	03	404121002	8/16/2016	Sb-125	1.76E+00	2.83E+00	9.39E+00	U
TF	03	404121002	8/16/2016	Se-75	5.12E-01	1.32E+00	4.44E+00	U
TF	03	404121002	8/16/2016	Th-228	2.73E+00	2.56E+00	6.47E+00	U
TF	03	404121002	8/16/2016	Zn-65	-5.70E+00	2.99E+00	8.10E+00	U
TF	03	404121002	8/16/2016	Zr-95	-4.04E+00	2.27E+00	6.17E+00	U
TF	06	400154003	6/21/2016	Ac-228	4.78E+00	9.06E+00	1.56E+01	U
TF	06	400154003	6/21/2016	Ag-108m	3.39E-02	9.69E-01	3.15E+00	U
TF	06	400154003	6/21/2016	Ag-110m	-6.29E-01	1.66E+00	5.33E+00	U
TF	06	400154003	6/21/2016	Ba-140	4.40E+00	5.86E+00	1.89E+01	U
TF	06	400154003	6/21/2016	Be-7	2.53E+01	2.08E+01	3.08E+01	U
TF	06	400154003	6/21/2016	Ce-141	-3.82E-01	1.83E+00	5.90E+00	U
TF	06	400154003	6/21/2016	Ce-144	6.44E+00	7.08E+00	2.28E+01	U
TF	06	400154003	6/21/2016	Co-57	7.15E-01	8.99E-01	2.92E+00	U
TF	06	400154003	6/21/2016	Co-58	-1.08E+00	1.17E+00	3.62E+00	U
TF	06	400154003	6/21/2016	Co-60	1.10E+00	1.28E+00	4.28E+00	U
TF	06	400154003	6/21/2016	Cr-51	2.19E+01	1.17E+01	3.64E+01	U
TF	06	400154003	6/21/2016	Cs-134	3.16E-01	1.46E+00	4.39E+00	U
TF	06	400154003	6/21/2016	Cs-137	2.87E+00	1.41E+00	4.37E+00	U
TF	06	400154003	6/21/2016	Fe-59	6.10E+00	4.46E+00	9.29E+00	U
TF	06	400154003	6/21/2016	I-131	-2.85E-01	3.23E+00	6.95E+00	U
TF	06	400154003	6/21/2016	K-40	1.53E+03	8.36E+01	3.96E+01	
TF	06	400154003	6/21/2016	La-140	-1.16E+00	2.08E+00	6.48E+00	U
TF	06	400154003	6/21/2016	Mn-54	1.26E+00	1.21E+00	3.96E+00	U
TF	06	400154003	6/21/2016	Nb-95	-7.08E-02	1.19E+00	3.90E+00	U
TF	06	400154003	6/21/2016	Ru-103	-1.25E+00	1.26E+00	3.83E+00	U
TF	06	400154003	6/21/2016	Ru-106	1.08E+00	1.03E+01	3.45E+01	U
TF	06	400154003	6/21/2016	Sb-124	-1.30E+00	2.43E+00	7.81E+00	U
TF	06	400154003	6/21/2016	Sb-125	-1.01E-02	3.99E+00	9.89E+00	U
TF	06	400154003	6/21/2016	Se-75	-1.02E+00	1.46E+00	4.77E+00	U
TF	06	400154003	6/21/2016	Th-228	7.25E-01	3.57E+00	7.36E+00	U
TF	06	400154003	6/21/2016	Zn-65	3.50E+00	2.99E+00	9.93E+00	U
TF	06	400154003	6/21/2016	Zr-95	-7.47E-02	2.14E+00	7.04E+00	U
TF	06	402319003	7/20/2016	Ac-228	1.93E+01	1.62E+01	5.48E+01	U
TF	06	402319003	7/20/2016	Ag-108m	4.45E-01	2.69E+00	8.96E+00	U
TF	06	402319003	7/20/2016	Ag-110m	8.03E-01	4.32E+00	1.46E+01	U
TF	06	402319003	7/20/2016	Ba-140	-2.11E+01	1.42E+01	3.81E+01	U
TF	06	402319003	7/20/2016	Be-7	5.54E-02	2.73E+01	8.97E+01	U
TF	06	402319003	7/20/2016	Ce-141	5.29E+00	4.84E+00	1.57E+01	U
TF	06	402319003	7/20/2016	Ce-144	1.03E+01	1.83E+01	6.00E+01	U
TF	06	402319003	7/20/2016	Co-57	-2.41E+00	2.41E+00	7.28E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TF	06	402319003	7/20/2016	Co-58	-1.09E+00	3.23E+00	1.06E+01	U
TF	06	402319003	7/20/2016	Co-60	2.08E+00	3.33E+00	1.19E+01	U
TF	06	402319003	7/20/2016	Cr-51	1.85E+01	2.78E+01	9.46E+01	U
TF	06	402319003	7/20/2016	Cs-134	6.78E-01	2.93E+00	1.00E+01	U
TF	06	402319003	7/20/2016	Cs-137	-2.54E+00	3.51E+00	1.06E+01	U
TF	06	402319003	7/20/2016	Fe-59	-5.43E+00	5.91E+00	1.73E+01	U
TF	06	402319003	7/20/2016	I-131	-2.22E+00	5.29E+00	1.66E+01	U
TF	06	402319003	7/20/2016	K-40	1.44E+03	1.13E+02	1.10E+02	
TF	06	402319003	7/20/2016	La-140	3.49E+00	4.90E+00	1.57E+01	U
TF	06	402319003	7/20/2016	Mn-54	2.25E+00	2.69E+00	9.44E+00	U
TF	06	402319003	7/20/2016	Nb-95	-4.52E+00	3.72E+00	1.11E+01	U
TF	06	402319003	7/20/2016	Ru-103	-2.38E+00	3.12E+00	9.56E+00	U
TF	06	402319003	7/20/2016	Ru-106	-1.74E+00	2.85E+01	9.15E+01	U
TF	06	402319003	7/20/2016	Sb-124	8.01E+00	6.39E+00	2.39E+01	U
TF	06	402319003	7/20/2016	Sb-125	2.93E+00	8.71E+00	2.87E+01	U
TF	06	402319003	7/20/2016	Se-75	3.21E+00	3.97E+00	1.36E+01	U
TF	06	402319003	7/20/2016	Th-228	-1.20E+01	6.70E+00	1.89E+01	U
TF	06	402319003	7/20/2016	Zn-65	-8.00E-01	7.24E+00	2.36E+01	U
TF	06	402319003	7/20/2016	Zr-95	5.00E+00	6.34E+00	2.20E+01	U
TF	06	404121003	8/16/2016	Ac-228	-5.85E+00	5.96E+00	1.53E+01	U
TF	06	404121003	8/16/2016	Ag-108m	1.61E-01	9.54E-01	3.12E+00	U
TF	06	404121003	8/16/2016	Ag-110m	2.40E+00	1.79E+00	4.29E+00	U
TF	06	404121003	8/16/2016	Ba-140	-4.19E+00	5.43E+00	1.41E+01	U
TF	06	404121003	8/16/2016	Be-7	1.07E+00	8.99E+00	2.91E+01	U
TF	06	404121003	8/16/2016	Ce-141	1.85E+00	2.37E+00	5.02E+00	U
TF	06	404121003	8/16/2016	Ce-144	-8.67E+00	8.26E+00	1.99E+01	U
TF	06	404121003	8/16/2016	Co-57	2.67E-01	8.25E-01	2.68E+00	U
TF	06	404121003	8/16/2016	Co-58	-8.67E-02	1.04E+00	3.40E+00	U
TF	06	404121003	8/16/2016	Co-60	-6.04E-01	1.15E+00	3.69E+00	U
TF	06	404121003	8/16/2016	Cr-51	-3.76E+00	8.66E+00	2.82E+01	U
TF	06	404121003	8/16/2016	Cs-134	5.68E-02	1.19E+00	3.94E+00	U
TF	06	404121003	8/16/2016	Cs-137	1.19E+00	1.13E+00	3.81E+00	U
TF	06	404121003	8/16/2016	Fe-59	-1.98E+00	2.67E+00	8.19E+00	U
TF	06	404121003	8/16/2016	I-131	-7.97E-01	1.31E+00	4.18E+00	U
TF	06	404121003	8/16/2016	K-40	1.75E+03	9.66E+01	3.23E+01	
TF	06	404121003	8/16/2016	La-140	-4.34E+00	2.05E+00	3.75E+00	U
TF	06	404121003	8/16/2016	Mn-54	-7.12E-01	1.24E+00	3.39E+00	U
TF	06	404121003	8/16/2016	Nb-95	6.05E-01	1.13E+00	3.77E+00	U
TF	06	404121003	8/16/2016	Ru-103	-2.94E+00	1.24E+00	2.98E+00	U
TF	06	404121003	8/16/2016	Ru-106	8.21E+00	9.34E+00	3.16E+01	U
TF	06	404121003	8/16/2016	Sb-124	-7.61E-01	2.04E+00	6.41E+00	U
TF	06	404121003	8/16/2016	Sb-125	-4.48E-01	2.87E+00	9.29E+00	U
TF	06	404121003	8/16/2016	Se-75	6.29E-01	1.26E+00	4.23E+00	U
TF	06	404121003	8/16/2016	Th-228	1.45E+00	2.81E+00	5.58E+00	U
TF	06	404121003	8/16/2016	Zn-65	7.58E+00	4.21E+00	8.78E+00	U
TF	06	404121003	8/16/2016	Zr-95	7.03E-01	1.90E+00	6.37E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TG	08	398370001	5/25/2016	Ac-228	8.58E+00	1.59E+01	3.08E+01	U
TG	08	398370001	5/25/2016	Ag-108m	1.11E+00	1.88E+00	6.17E+00	U
TG	08	398370001	5/25/2016	Ag-110m	3.93E-01	3.28E+00	1.02E+01	U
TG	08	398370001	5/25/2016	Ba-140	-1.51E+01	1.13E+01	3.30E+01	U
TG	08	398370001	5/25/2016	Be-7	1.07E+02	3.27E+01	5.86E+01	
TG	08	398370001	5/25/2016	Ce-141	1.07E+00	3.49E+00	1.02E+01	U
TG	08	398370001	5/25/2016	Ce-144	2.26E-01	1.11E+01	3.64E+01	U
TG	08	398370001	5/25/2016	Co-57	-9.72E-01	1.43E+00	4.56E+00	U
TG	08	398370001	5/25/2016	Co-58	-3.50E+00	2.40E+00	7.00E+00	U
TG	08	398370001	5/25/2016	Co-60	2.96E+00	2.59E+00	8.69E+00	U
TG	08	398370001	5/25/2016	Cr-51	2.55E+01	1.97E+01	6.43E+01	U
TG	08	398370001	5/25/2016	Cs-134	-7.22E-01	2.53E+00	7.45E+00	U
TG	08	398370001	5/25/2016	Cs-137	-1.38E+00	2.21E+00	7.16E+00	U
TG	08	398370001	5/25/2016	Fe-59	-8.75E+00	5.39E+00	1.56E+01	U
TG	08	398370001	5/25/2016	I-131	-4.28E+00	3.68E+00	1.14E+01	U
TG	08	398370001	5/25/2016	K-40	3.65E+03	1.90E+02	7.25E+01	
TG	08	398370001	5/25/2016	La-140	3.20E+00	3.88E+00	1.14E+01	U
TG	08	398370001	5/25/2016	Mn-54	3.71E-01	2.24E+00	7.40E+00	U
TG	08	398370001	5/25/2016	Nb-95	5.08E+00	3.15E+00	6.57E+00	U
TG	08	398370001	5/25/2016	Ru-103	-4.34E+00	2.44E+00	6.73E+00	U
TG	08	398370001	5/25/2016	Ru-106	-1.81E+01	1.94E+01	6.17E+01	U
TG	08	398370001	5/25/2016	Sb-124	7.91E+00	5.59E+00	1.86E+01	U
TG	08	398370001	5/25/2016	Sb-125	-2.91E-01	5.33E+00	1.74E+01	U
TG	08	398370001	5/25/2016	Se-75	-2.00E-01	2.54E+00	8.54E+00	U
TG	08	398370001	5/25/2016	Th-228	7.35E+00	5.79E+00	1.26E+01	U
TG	08	398370001	5/25/2016	Zn-65	5.49E+00	5.83E+00	1.96E+01	U
TG	08	398370001	5/25/2016	Zr-95	1.44E+00	3.92E+00	1.31E+01	U
TG	08	400154004	6/21/2016	Ac-228	5.96E+01	2.25E+01	3.73E+01	UI
TG	08	400154004	6/21/2016	Ag-108m	6.19E+00	3.23E+00	8.98E+00	U
TG	08	400154004	6/21/2016	Ag-110m	-3.01E+00	4.13E+00	1.34E+01	U
TG	08	400154004	6/21/2016	Ba-140	-1.58E+01	1.58E+01	4.94E+01	U
TG	08	400154004	6/21/2016	Be-7	7.37E+02	5.19E+01	7.76E+01	
TG	08	400154004	6/21/2016	Ce-141	2.93E+00	4.73E+00	1.38E+01	U
TG	08	400154004	6/21/2016	Ce-144	-2.09E+01	1.64E+01	5.12E+01	U
TG	08	400154004	6/21/2016	Co-57	1.67E-01	2.01E+00	6.73E+00	U
TG	08	400154004	6/21/2016	Co-58	-1.06E+00	2.97E+00	9.85E+00	U
TG	08	400154004	6/21/2016	Co-60	2.50E+00	3.09E+00	1.02E+01	U
TG	08	400154004	6/21/2016	Cr-51	1.18E+01	2.70E+01	8.66E+01	U
TG	08	400154004	6/21/2016	Cs-134	-9.79E-01	3.34E+00	1.11E+01	U
TG	08	400154004	6/21/2016	Cs-137	1.11E+00	3.19E+00	1.04E+01	U
TG	08	400154004	6/21/2016	Fe-59	8.66E-01	6.03E+00	1.99E+01	U
TG	08	400154004	6/21/2016	I-131	3.50E+00	5.21E+00	1.75E+01	U
TG	08	400154004	6/21/2016	K-40	5.05E+03	1.80E+02	7.40E+01	
TG	08	400154004	6/21/2016	La-140	-4.71E+00	4.07E+00	1.23E+01	U
TG	08	400154004	6/21/2016	Mn-54	-3.65E+00	3.36E+00	1.06E+01	U
TG	08	400154004	6/21/2016	Nb-95	7.39E+00	3.62E+00	1.09E+01	U
TG	08	400154004	6/21/2016	Ru-103	-3.91E+00	3.15E+00	9.70E+00	U
TG	08	400154004	6/21/2016	Ru-106	5.00E+01	2.82E+01	8.78E+01	U
TG	08	400154004	6/21/2016	Sb-124	7.16E+00	5.09E+00	1.70E+01	U
TG	08	400154004	6/21/2016	Sb-125	1.31E+01	8.92E+00	2.64E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TG	08	400154004	6/21/2016	Se-75	2.98E+00	4.07E+00	1.15E+01	U
TG	08	400154004	6/21/2016	Th-228	1.24E+01	8.19E+00	1.67E+01	U
TG	08	400154004	6/21/2016	Zn-65	-2.38E+00	6.78E+00	2.20E+01	U
TG	08	400154004	6/21/2016	Zr-95	-7.14E+00	6.77E+00	1.82E+01	U
TG	08	402319004	7/20/2016	Ac-228	6.21E+01	3.87E+01	1.16E+02	U
TG	08	402319004	7/20/2016	Ag-108m	-4.21E+00	5.28E+00	1.61E+01	U
TG	08	402319004	7/20/2016	Ag-110m	-2.13E+00	7.64E+00	2.47E+01	U
TG	08	402319004	7/20/2016	Ba-140	1.54E+01	2.84E+01	9.53E+01	U
TG	08	402319004	7/20/2016	Be-7	1.12E+03	1.26E+02	1.61E+02	
TG	08	402319004	7/20/2016	Ce-141	7.68E+00	9.28E+00	3.05E+01	U
TG	08	402319004	7/20/2016	Ce-144	-1.52E+01	3.42E+01	1.08E+02	U
TG	08	402319004	7/20/2016	Co-57	3.82E-03	4.59E+00	1.40E+01	U
TG	08	402319004	7/20/2016	Co-58	1.15E+01	5.06E+00	1.93E+01	U
TG	08	402319004	7/20/2016	Co-60	-9.36E-01	7.63E+00	2.43E+01	U
TG	08	402319004	7/20/2016	Cr-51	4.78E+01	6.00E+01	2.04E+02	U
TG	08	402319004	7/20/2016	Cs-134	7.58E+00	7.34E+00	2.57E+01	U
TG	08	402319004	7/20/2016	Cs-137	2.32E-01	6.24E+00	2.01E+01	U
TG	08	402319004	7/20/2016	Fe-59	-3.09E+01	1.85E+01	3.53E+01	U
TG	08	402319004	7/20/2016	I-131	3.11E+01	1.26E+01	3.93E+01	U
TG	08	402319004	7/20/2016	K-40	4.07E+03	3.32E+02	1.90E+02	
TG	08	402319004	7/20/2016	La-140	1.11E+01	1.03E+01	3.73E+01	U
TG	08	402319004	7/20/2016	Mn-54	-5.01E+00	6.19E+00	1.89E+01	U
TG	08	402319004	7/20/2016	Nb-95	-3.91E+00	6.99E+00	2.24E+01	U
TG	08	402319004	7/20/2016	Ru-103	-3.20E+00	6.45E+00	2.02E+01	U
TG	08	402319004	7/20/2016	Ru-106	4.15E+01	5.76E+01	1.93E+02	U
TG	08	402319004	7/20/2016	Sb-124	1.95E+01	1.79E+01	6.45E+01	U
TG	08	402319004	7/20/2016	Sb-125	1.43E+01	1.61E+01	5.49E+01	U
TG	08	402319004	7/20/2016	Se-75	-1.48E+00	8.23E+00	2.75E+01	U
TG	08	402319004	7/20/2016	Th-228	2.22E+01	1.46E+01	3.28E+01	U
TG	08	402319004	7/20/2016	Zn-65	-2.35E+01	1.62E+01	4.20E+01	U
TG	08	402319004	7/20/2016	Zr-95	-6.78E+00	1.12E+01	3.56E+01	U
TG	08	404121004	8/16/2016	Ac-228	0.00E+00	2.35E+01	3.59E+01	U
TG	08	404121004	8/16/2016	Ag-108m	-2.81E+00	2.63E+00	7.92E+00	U
TG	08	404121004	8/16/2016	Ag-110m	-3.23E+00	4.05E+00	1.26E+01	U
TG	08	404121004	8/16/2016	Ba-140	1.12E+01	1.13E+01	3.80E+01	U
TG	08	404121004	8/16/2016	Be-7	5.94E+02	4.17E+01	6.66E+01	
TG	08	404121004	8/16/2016	Ce-141	7.36E+00	7.62E+00	1.17E+01	U
TG	08	404121004	8/16/2016	Ce-144	3.94E+00	1.38E+01	4.68E+01	U
TG	08	404121004	8/16/2016	Co-57	-5.13E-01	1.74E+00	5.83E+00	U
TG	08	404121004	8/16/2016	Co-58	2.15E+00	4.22E+00	9.20E+00	U
TG	08	404121004	8/16/2016	Co-60	2.96E-01	3.00E+00	1.00E+01	U
TG	08	404121004	8/16/2016	Cr-51	2.19E+01	2.28E+01	7.43E+01	U
TG	08	404121004	8/16/2016	Cs-134	1.77E+00	3.33E+00	1.08E+01	U
TG	08	404121004	8/16/2016	Cs-137	0.00E+00	4.91E+00	8.51E+00	U
TG	08	404121004	8/16/2016	Fe-59	-1.55E+00	5.60E+00	1.77E+01	U
TG	08	404121004	8/16/2016	I-131	-3.60E+00	3.68E+00	1.13E+01	U
TG	08	404121004	8/16/2016	K-40	2.24E+03	1.09E+02	6.67E+01	
TG	08	404121004	8/16/2016	La-140	-4.30E+00	3.89E+00	1.15E+01	U
TG	08	404121004	8/16/2016	Mn-54	-3.99E+00	2.81E+00	8.15E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TG	08	404121004	8/16/2016	Nb-95	8.11E+00	3.35E+00	1.01E+01	U
TG	08	404121004	8/16/2016	Ru-103	-6.33E+00	3.45E+00	8.58E+00	U
TG	08	404121004	8/16/2016	Ru-106	3.70E+01	2.71E+01	8.94E+01	U
TG	08	404121004	8/16/2016	Sb-124	-5.17E+00	5.73E+00	1.71E+01	U
TG	08	404121004	8/16/2016	Sb-125	-1.33E+01	8.31E+00	2.35E+01	U
TG	08	404121004	8/16/2016	Se-75	-3.18E+00	3.33E+00	1.05E+01	U
TG	08	404121004	8/16/2016	Th-228	1.35E+01	9.06E+00	1.75E+01	U
TG	08	404121004	8/16/2016	Zn-65	8.99E+00	6.75E+00	1.95E+01	U
TG	08	404121004	8/16/2016	Zr-95	7.02E+00	5.29E+00	1.74E+01	U
TG	08	405959001	9/13/2016	Ac-228	-1.38E+01	4.25E+01	1.20E+02	U
TG	08	405959001	9/13/2016	Ag-108m	4.91E+00	5.74E+00	1.95E+01	U
TG	08	405959001	9/13/2016	Ag-110m	9.45E+00	9.23E+00	3.12E+01	U
TG	08	405959001	9/13/2016	Ba-140	8.50E+00	3.41E+01	1.13E+02	U
TG	08	405959001	9/13/2016	Be-7	1.16E+03	1.61E+02	2.08E+02	
TG	08	405959001	9/13/2016	Ce-141	-6.96E+00	1.06E+01	3.51E+01	U
TG	08	405959001	9/13/2016	Ce-144	-4.16E+01	4.96E+01	1.36E+02	U
TG	08	405959001	9/13/2016	Co-57	1.34E+00	5.10E+00	1.76E+01	U
TG	08	405959001	9/13/2016	Co-58	-2.29E+00	8.13E+00	2.57E+01	U
TG	08	405959001	9/13/2016	Co-60	1.23E+01	7.54E+00	2.69E+01	U
TG	08	405959001	9/13/2016	Cr-51	-7.24E+00	5.53E+01	1.84E+02	U
TG	08	405959001	9/13/2016	Cs-134	2.49E+00	8.22E+00	2.70E+01	U
TG	08	405959001	9/13/2016	Cs-137	1.31E+01	1.20E+01	2.39E+01	U
TG	08	405959001	9/13/2016	Fe-59	-1.29E+01	1.61E+01	4.67E+01	U
TG	08	405959001	9/13/2016	I-131	-1.24E+01	1.23E+01	3.83E+01	U
TG	08	405959001	9/13/2016	K-40	3.17E+03	2.74E+02	2.29E+02	
TG	08	405959001	9/13/2016	La-140	-9.83E+00	1.12E+01	3.33E+01	U
TG	08	405959001	9/13/2016	Mn-54	8.55E+00	8.90E+00	2.69E+01	U
TG	08	405959001	9/13/2016	Nb-95	1.45E+00	7.22E+00	2.37E+01	U
TG	08	405959001	9/13/2016	Ru-103	-8.23E+00	7.99E+00	2.43E+01	U
TG	08	405959001	9/13/2016	Ru-106	6.61E+00	5.96E+01	1.96E+02	U
TG	08	405959001	9/13/2016	Sb-124	8.01E+00	1.78E+01	6.17E+01	U
TG	08	405959001	9/13/2016	Sb-125	3.91E+01	2.22E+01	7.27E+01	U
TG	08	405959001	9/13/2016	Se-75	2.47E-01	8.02E+00	2.71E+01	U
TG	08	405959001	9/13/2016	Th-228	7.92E+00	1.60E+01	4.80E+01	U
TG	08	405959001	9/13/2016	Zn-65	-1.10E+01	1.55E+01	4.54E+01	U
TG	08	405959001	9/13/2016	Zr-95	-9.57E+00	1.79E+01	4.66E+01	U
TG	08	408353001	10/11/2016	Ac-228	0.00E+00	3.14E+01	4.38E+01	U
TG	08	408353001	10/11/2016	Ag-108m	-2.62E+00	3.21E+00	1.02E+01	U
TG	08	408353001	10/11/2016	Ag-110m	3.25E+00	5.31E+00	1.73E+01	U
TG	08	408353001	10/11/2016	Ba-140	4.33E+00	2.62E+01	8.66E+01	U
TG	08	408353001	10/11/2016	Be-7	2.21E+03	1.16E+02	1.12E+02	
TG	08	408353001	10/11/2016	Ce-141	-3.16E+01	1.20E+01	1.91E+01	U
TG	08	408353001	10/11/2016	Ce-144	-1.89E+01	2.05E+01	6.23E+01	U
TG	08	408353001	10/11/2016	Co-57	4.99E+00	2.80E+00	8.63E+00	U
TG	08	408353001	10/11/2016	Co-58	-1.17E+00	3.90E+00	1.22E+01	U
TG	08	408353001	10/11/2016	Co-60	5.62E+00	4.13E+00	1.42E+01	U
TG	08	408353001	10/11/2016	Cr-51	4.38E+01	3.97E+01	1.34E+02	U
TG	08	408353001	10/11/2016	Cs-134	1.25E+01	5.35E+00	1.64E+01	U
TG	08	408353001	10/11/2016	Cs-137	-4.40E+00	5.08E+00	1.37E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TG	08	408353001	10/11/2016	Fe-59	6.14E+00	7.56E+00	2.62E+01	U
TG	08	408353001	10/11/2016	I-131	-5.37E+00	1.05E+01	3.46E+01	U
TG	08	408353001	10/11/2016	K-40	3.16E+03	1.91E+02	1.05E+02	
TG	08	408353001	10/11/2016	La-140	8.76E-02	6.84E+00	2.24E+01	U
TG	08	408353001	10/11/2016	Mn-54	-1.13E+00	4.06E+00	1.28E+01	U
TG	08	408353001	10/11/2016	Nb-95	-8.71E-01	4.65E+00	1.48E+01	U
TG	08	408353001	10/11/2016	Ru-103	6.01E-02	3.92E+00	1.30E+01	U
TG	08	408353001	10/11/2016	Ru-106	5.40E+01	3.56E+01	1.17E+02	U
TG	08	408353001	10/11/2016	Sb-124	-1.04E+00	1.20E+01	3.40E+01	U
TG	08	408353001	10/11/2016	Sb-125	8.28E+00	9.36E+00	3.16E+01	U
TG	08	408353001	10/11/2016	Se-75	2.32E+00	4.70E+00	1.62E+01	U
TG	08	408353001	10/11/2016	Th-228	-3.75E+00	8.17E+00	2.39E+01	U
TG	08	408353001	10/11/2016	Zn-65	-9.76E+00	9.60E+00	2.55E+01	U
TG	08	408353001	10/11/2016	Zr-95	3.64E-01	7.13E+00	2.30E+01	U
TG	09	398370002	5/25/2016	Ac-228	1.98E+01	1.75E+01	3.29E+01	U
TG	09	398370002	5/25/2016	Ag-108m	-2.25E+00	1.91E+00	5.52E+00	U
TG	09	398370002	5/25/2016	Ag-110m	2.06E-01	3.08E+00	1.00E+01	U
TG	09	398370002	5/25/2016	Ba-140	-3.11E-01	1.21E+01	3.55E+01	U
TG	09	398370002	5/25/2016	Be-7	2.07E+02	3.54E+01	5.60E+01	
TG	09	398370002	5/25/2016	Ce-141	2.08E+00	3.66E+00	1.05E+01	U
TG	09	398370002	5/25/2016	Ce-144	-1.37E+01	1.25E+01	3.81E+01	U
TG	09	398370002	5/25/2016	Co-57	9.20E-01	1.58E+00	5.12E+00	U
TG	09	398370002	5/25/2016	Co-58	-1.42E+00	2.22E+00	7.02E+00	U
TG	09	398370002	5/25/2016	Co-60	-1.10E+00	2.43E+00	7.77E+00	U
TG	09	398370002	5/25/2016	Cr-51	1.03E+01	2.15E+01	6.26E+01	U
TG	09	398370002	5/25/2016	Cs-134	2.05E+00	2.73E+00	7.85E+00	U
TG	09	398370002	5/25/2016	Cs-137	-1.27E+00	2.22E+00	7.18E+00	U
TG	09	398370002	5/25/2016	Fe-59	3.17E+00	5.11E+00	1.72E+01	U
TG	09	398370002	5/25/2016	I-131	1.64E+00	3.74E+00	1.23E+01	U
TG	09	398370002	5/25/2016	K-40	3.40E+03	1.76E+02	7.15E+01	
TG	09	398370002	5/25/2016	La-140	-2.89E+00	3.90E+00	1.19E+01	U
TG	09	398370002	5/25/2016	Mn-54	-9.89E-01	2.28E+00	7.27E+00	U
TG	09	398370002	5/25/2016	Nb-95	3.04E+00	3.57E+00	6.89E+00	U
TG	09	398370002	5/25/2016	Ru-103	3.67E+00	2.35E+00	7.68E+00	U
TG	09	398370002	5/25/2016	Ru-106	2.31E+00	2.13E+01	6.19E+01	U
TG	09	398370002	5/25/2016	Sb-124	1.09E+01	6.62E+00	1.51E+01	U
TG	09	398370002	5/25/2016	Sb-125	8.90E+00	6.28E+00	1.74E+01	U
TG	09	398370002	5/25/2016	Se-75	-7.96E-01	2.57E+00	8.48E+00	U
TG	09	398370002	5/25/2016	Th-228	8.04E+00	7.09E+00	1.36E+01	U
TG	09	398370002	5/25/2016	Zn-65	7.91E-01	5.24E+00	1.75E+01	U
TG	09	398370002	5/25/2016	Zr-95	4.68E+00	3.99E+00	1.31E+01	U
TG	09	400154005	6/21/2016	Ac-228	2.46E+00	1.46E+01	3.15E+01	U
TG	09	400154005	6/21/2016	Ag-108m	-1.08E+00	1.89E+00	5.99E+00	U
TG	09	400154005	6/21/2016	Ag-110m	5.81E-02	5.40E+00	1.02E+01	U
TG	09	400154005	6/21/2016	Ba-140	7.78E+00	1.60E+01	3.66E+01	U
TG	09	400154005	6/21/2016	Be-7	2.92E+02	3.02E+01	5.93E+01	
TG	09	400154005	6/21/2016	Ce-141	9.90E+00	5.56E+00	9.50E+00	UI
TG	09	400154005	6/21/2016	Ce-144	1.28E+01	1.21E+01	3.81E+01	U
TG	09	400154005	6/21/2016	Co-57	-4.20E-01	1.49E+00	4.73E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TG	09	400154005	6/21/2016	Co-58	3.03E+00	2.40E+00	7.84E+00	U
TG	09	400154005	6/21/2016	Co-60	5.42E+00	3.16E+00	9.04E+00	U
TG	09	400154005	6/21/2016	Cr-51	-4.85E+00	1.89E+01	6.20E+01	U
TG	09	400154005	6/21/2016	Cs-134	-8.45E-01	2.43E+00	7.89E+00	U
TG	09	400154005	6/21/2016	Cs-137	5.31E+00	2.59E+00	7.60E+00	U
TG	09	400154005	6/21/2016	Fe-59	5.38E+00	5.21E+00	1.68E+01	U
TG	09	400154005	6/21/2016	I-131	-6.88E+00	4.09E+00	1.18E+01	U
TG	09	400154005	6/21/2016	K-40	4.42E+03	1.56E+02	7.11E+01	
TG	09	400154005	6/21/2016	La-140	-4.84E-01	3.31E+00	1.08E+01	U
TG	09	400154005	6/21/2016	Mn-54	-3.12E+00	2.39E+00	7.19E+00	U
TG	09	400154005	6/21/2016	Nb-95	1.22E+00	3.37E+00	7.92E+00	U
TG	09	400154005	6/21/2016	Ru-103	8.74E-01	2.28E+00	7.36E+00	U
TG	09	400154005	6/21/2016	Ru-106	6.37E+00	1.97E+01	6.64E+01	U
TG	09	400154005	6/21/2016	Sb-124	6.85E+00	4.81E+00	1.60E+01	U
TG	09	400154005	6/21/2016	Sb-125	-3.26E+00	5.81E+00	1.84E+01	U
TG	09	400154005	6/21/2016	Se-75	5.36E-01	2.55E+00	8.52E+00	U
TG	09	400154005	6/21/2016	Th-228	6.68E+00	5.78E+00	1.27E+01	U
TG	09	400154005	6/21/2016	Zn-65	5.35E+00	5.68E+00	1.68E+01	U
TG	09	400154005	6/21/2016	Zr-95	-5.51E+00	4.20E+00	1.27E+01	U
TG	09	402319005	7/20/2016	Ac-228	-7.52E+00	3.08E+01	9.75E+01	U
TG	09	402319005	7/20/2016	Ag-108m	-1.07E+00	6.36E+00	1.75E+01	U
TG	09	402319005	7/20/2016	Ag-110m	6.82E+00	9.08E+00	2.76E+01	U
TG	09	402319005	7/20/2016	Ba-140	-6.88E+00	3.61E+01	1.04E+02	U
TG	09	402319005	7/20/2016	Be-7	4.67E+02	1.19E+02	1.67E+02	
TG	09	402319005	7/20/2016	Ce-141	-4.13E+00	1.00E+01	3.29E+01	U
TG	09	402319005	7/20/2016	Ce-144	5.89E-01	4.10E+01	1.35E+02	U
TG	09	402319005	7/20/2016	Co-57	2.65E+00	4.82E+00	1.64E+01	U
TG	09	402319005	7/20/2016	Co-58	1.15E+01	8.83E+00	1.94E+01	U
TG	09	402319005	7/20/2016	Co-60	-3.00E+00	6.12E+00	1.91E+01	U
TG	09	402319005	7/20/2016	Cr-51	-5.10E+01	5.78E+01	1.75E+02	U
TG	09	402319005	7/20/2016	Cs-134	3.27E-01	7.66E+00	2.52E+01	U
TG	09	402319005	7/20/2016	Cs-137	-4.69E+00	6.86E+00	2.14E+01	U
TG	09	402319005	7/20/2016	Fe-59	-7.23E+00	1.45E+01	4.65E+01	U
TG	09	402319005	7/20/2016	I-131	-2.40E-01	9.65E+00	3.11E+01	U
TG	09	402319005	7/20/2016	K-40	5.63E+03	3.78E+02	1.08E+02	
TG	09	402319005	7/20/2016	La-140	-4.98E+00	9.63E+00	2.93E+01	U
TG	09	402319005	7/20/2016	Mn-54	-5.82E-01	6.87E+00	2.23E+01	U
TG	09	402319005	7/20/2016	Nb-95	1.46E+00	7.15E+00	2.08E+01	U
TG	09	402319005	7/20/2016	Ru-103	1.89E+00	5.67E+00	1.94E+01	U
TG	09	402319005	7/20/2016	Ru-106	-6.62E+01	5.58E+01	1.61E+02	U
TG	09	402319005	7/20/2016	Sb-124	-5.77E+00	1.39E+01	4.25E+01	U
TG	09	402319005	7/20/2016	Sb-125	4.07E+01	2.01E+01	6.40E+01	U
TG	09	402319005	7/20/2016	Se-75	-1.05E+01	8.55E+00	2.52E+01	U
TG	09	402319005	7/20/2016	Th-228	-1.56E+01	1.29E+01	3.87E+01	U
TG	09	402319005	7/20/2016	Zn-65	-1.75E+00	1.68E+01	5.18E+01	U
TG	09	402319005	7/20/2016	Zr-95	3.53E+00	1.29E+01	4.07E+01	U
TG	09	404121005	8/16/2016	Ac-228	2.23E+01	2.51E+01	4.53E+01	U
TG	09	404121005	8/16/2016	Ag-108m	-4.88E-01	2.38E+00	7.66E+00	U
TG	09	404121005	8/16/2016	Ag-110m	2.97E+00	3.85E+00	1.28E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TG	09	404121005	8/16/2016	Ba-140	-1.70E+01	1.23E+01	3.77E+01	U
TG	09	404121005	8/16/2016	Be-7	4.31E+02	4.38E+01	7.48E+01	
TG	09	404121005	8/16/2016	Ce-141	2.97E+00	5.70E+00	1.08E+01	U
TG	09	404121005	8/16/2016	Ce-144	1.00E+01	1.46E+01	4.68E+01	U
TG	09	404121005	8/16/2016	Co-57	-1.39E+00	1.86E+00	5.78E+00	U
TG	09	404121005	8/16/2016	Co-58	-3.68E-01	2.76E+00	8.52E+00	U
TG	09	404121005	8/16/2016	Co-60	4.06E+00	2.89E+00	9.72E+00	U
TG	09	404121005	8/16/2016	Cr-51	-2.53E+01	2.29E+01	7.11E+01	U
TG	09	404121005	8/16/2016	Cs-134	-1.49E+00	3.29E+00	9.10E+00	U
TG	09	404121005	8/16/2016	Cs-137	7.27E-01	3.08E+00	1.03E+01	U
TG	09	404121005	8/16/2016	Fe-59	-2.68E+00	6.24E+00	1.76E+01	U
TG	09	404121005	8/16/2016	I-131	-2.40E+00	4.11E+00	1.14E+01	U
TG	09	404121005	8/16/2016	K-40	2.30E+03	1.26E+02	8.67E+01	
TG	09	404121005	8/16/2016	La-140	-8.52E+00	4.13E+00	1.01E+01	U
TG	09	404121005	8/16/2016	Mn-54	-1.50E+00	2.82E+00	9.01E+00	U
TG	09	404121005	8/16/2016	Nb-95	-5.09E+00	3.66E+00	8.32E+00	U
TG	09	404121005	8/16/2016	Ru-103	1.33E+00	2.73E+00	8.85E+00	U
TG	09	404121005	8/16/2016	Ru-106	3.02E+01	2.54E+01	8.47E+01	U
TG	09	404121005	8/16/2016	Sb-124	-5.43E+00	5.61E+00	1.65E+01	U
TG	09	404121005	8/16/2016	Sb-125	1.02E+01	7.96E+00	2.55E+01	U
TG	09	404121005	8/16/2016	Se-75	2.75E+00	3.33E+00	1.11E+01	U
TG	09	404121005	8/16/2016	Th-228	1.77E+01	6.50E+00	1.48E+01	
TG	09	404121005	8/16/2016	Zn-65	-1.35E+00	7.13E+00	2.05E+01	U
TG	09	404121005	8/16/2016	Zr-95	-7.48E-01	4.84E+00	1.59E+01	U
TG	09	405959002	9/13/2016	Ac-228	2.65E+01	5.31E+01	1.77E+02	U
TG	09	405959002	9/13/2016	Ag-108m	-9.59E+00	8.32E+00	2.41E+01	U
TG	09	405959002	9/13/2016	Ag-110m	1.24E+01	1.51E+01	5.13E+01	U
TG	09	405959002	9/13/2016	Ba-140	0.00E+00	9.85E+01	1.21E+02	U
TG	09	405959002	9/13/2016	Be-7	1.10E+03	1.76E+02	2.39E+02	
TG	09	405959002	9/13/2016	Ce-141	-1.23E+01	1.37E+01	4.41E+01	U
TG	09	405959002	9/13/2016	Ce-144	-4.79E+01	5.85E+01	1.70E+02	U
TG	09	405959002	9/13/2016	Co-57	5.76E+00	6.84E+00	2.39E+01	U
TG	09	405959002	9/13/2016	Co-58	1.34E-01	8.48E+00	2.74E+01	U
TG	09	405959002	9/13/2016	Co-60	-2.24E+00	9.81E+00	3.21E+01	U
TG	09	405959002	9/13/2016	Cr-51	-1.68E+02	8.89E+01	2.36E+02	U
TG	09	405959002	9/13/2016	Cs-134	3.26E+01	1.39E+01	4.69E+01	U
TG	09	405959002	9/13/2016	Cs-137	2.62E+00	1.20E+01	3.99E+01	U
TG	09	405959002	9/13/2016	Fe-59	2.02E+01	2.18E+01	7.48E+01	U
TG	09	405959002	9/13/2016	I-131	-7.77E+00	1.08E+01	3.37E+01	U
TG	09	405959002	9/13/2016	K-40	5.56E+03	4.71E+02	3.28E+02	
TG	09	405959002	9/13/2016	La-140	2.78E+00	1.13E+01	3.93E+01	U
TG	09	405959002	9/13/2016	Mn-54	-9.38E+00	1.11E+01	3.20E+01	U
TG	09	405959002	9/13/2016	Nb-95	7.85E+00	7.29E+00	2.61E+01	U
TG	09	405959002	9/13/2016	Ru-103	-8.50E+00	1.13E+01	3.02E+01	U
TG	09	405959002	9/13/2016	Ru-106	1.87E+02	9.95E+01	3.24E+02	U
TG	09	405959002	9/13/2016	Sb-124	-1.71E+00	2.22E+01	7.33E+01	U
TG	09	405959002	9/13/2016	Sb-125	5.41E+01	2.93E+01	9.93E+01	U
TG	09	405959002	9/13/2016	Se-75	4.52E+00	1.15E+01	3.95E+01	U
TG	09	405959002	9/13/2016	Th-228	-6.36E+00	2.02E+01	6.66E+01	U
TG	09	405959002	9/13/2016	Zn-65	1.98E+01	1.96E+01	6.89E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TG	09	405959002	9/13/2016	Zr-95	-3.40E+01	2.11E+01	5.27E+01	U
TG	09	408353002	10/11/2016	Ac-228	0.00E+00	3.20E+01	3.89E+01	U
TG	09	408353002	10/11/2016	Ag-108m	3.76E-01	2.51E+00	8.54E+00	U
TG	09	408353002	10/11/2016	Ag-110m	9.28E-01	4.38E+00	1.43E+01	U
TG	09	408353002	10/11/2016	Ba-140	-1.04E+01	3.38E+01	1.12E+02	U
TG	09	408353002	10/11/2016	Be-7	1.32E+03	8.28E+01	1.02E+02	
TG	09	408353002	10/11/2016	Ce-141	-8.31E+00	6.86E+00	2.08E+01	U
TG	09	408353002	10/11/2016	Ce-144	-8.21E+00	1.84E+01	5.86E+01	U
TG	09	408353002	10/11/2016	Co-57	2.79E+00	2.56E+00	8.17E+00	U
TG	09	408353002	10/11/2016	Co-58	-1.29E-01	3.66E+00	1.20E+01	U
TG	09	408353002	10/11/2016	Co-60	6.65E+00	3.85E+00	1.21E+01	U
TG	09	408353002	10/11/2016	Cr-51	-2.16E+01	3.89E+01	1.32E+02	U
TG	09	408353002	10/11/2016	Cs-134	6.91E+00	3.88E+00	1.23E+01	U
TG	09	408353002	10/11/2016	Cs-137	4.50E+00	5.09E+00	1.07E+01	U
TG	09	408353002	10/11/2016	Fe-59	7.16E+00	7.98E+00	2.60E+01	U
TG	09	408353002	10/11/2016	I-131	1.91E+00	1.74E+01	5.98E+01	U
TG	09	408353002	10/11/2016	K-40	4.17E+03	1.77E+02	8.80E+01	
TG	09	408353002	10/11/2016	La-140	1.81E+01	1.08E+01	3.45E+01	U
TG	09	408353002	10/11/2016	Mn-54	-5.30E+00	5.70E+00	9.84E+00	U
TG	09	408353002	10/11/2016	Nb-95	0.00E+00	8.03E+00	1.16E+01	U
TG	09	408353002	10/11/2016	Ru-103	1.11E-01	3.98E+00	1.34E+01	U
TG	09	408353002	10/11/2016	Ru-106	6.45E+01	3.11E+01	9.65E+01	U
TG	09	408353002	10/11/2016	Sb-124	-3.90E+00	6.80E+00	2.18E+01	U
TG	09	408353002	10/11/2016	Sb-125	-5.67E+00	7.68E+00	2.53E+01	U
TG	09	408353002	10/11/2016	Se-75	9.62E-01	4.32E+00	1.36E+01	U
TG	09	408353002	10/11/2016	Th-228	3.37E+00	1.29E+01	1.62E+01	U
TG	09	408353002	10/11/2016	Zn-65	3.00E+00	7.05E+00	2.29E+01	U
TG	09	408353002	10/11/2016	Zr-95	-4.57E+00	7.74E+00	2.20E+01	U
TG	10	398370003	5/25/2016	Ac-228	3.49E+01	1.42E+01	2.48E+01	
TG	10	398370003	5/25/2016	Ag-108m	-7.05E-01	1.77E+00	5.76E+00	U
TG	10	398370003	5/25/2016	Ag-110m	2.10E+00	3.05E+00	8.98E+00	U
TG	10	398370003	5/25/2016	Ba-140	8.67E+00	1.03E+01	3.39E+01	U
TG	10	398370003	5/25/2016	Be-7	3.19E+02	3.69E+01	5.72E+01	
TG	10	398370003	5/25/2016	Ce-141	4.36E+00	3.29E+00	1.03E+01	U
TG	10	398370003	5/25/2016	Ce-144	-4.42E+00	1.31E+01	3.65E+01	U
TG	10	398370003	5/25/2016	Co-57	2.05E+00	1.64E+00	5.18E+00	U
TG	10	398370003	5/25/2016	Co-58	9.15E-01	2.33E+00	6.55E+00	U
TG	10	398370003	5/25/2016	Co-60	3.52E+00	2.20E+00	7.15E+00	U
TG	10	398370003	5/25/2016	Cr-51	6.88E+00	1.74E+01	5.82E+01	U
TG	10	398370003	5/25/2016	Cs-134	2.72E-01	2.29E+00	7.39E+00	U
TG	10	398370003	5/25/2016	Cs-137	1.04E+02	7.39E+00	6.59E+00	
TG	10	398370003	5/25/2016	Fe-59	-4.65E+00	4.39E+00	1.36E+01	U
TG	10	398370003	5/25/2016	I-131	2.16E+00	4.08E+00	1.24E+01	U
TG	10	398370003	5/25/2016	K-40	3.04E+03	1.85E+02	5.95E+01	
TG	10	398370003	5/25/2016	La-140	3.01E-01	3.14E+00	1.03E+01	U
TG	10	398370003	5/25/2016	Mn-54	-4.15E+00	2.23E+00	6.37E+00	U
TG	10	398370003	5/25/2016	Nb-95	-8.54E-01	2.02E+00	6.40E+00	U
TG	10	398370003	5/25/2016	Ru-103	-3.29E+00	2.14E+00	6.30E+00	U
TG	10	398370003	5/25/2016	Ru-106	-2.21E+01	1.84E+01	5.54E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TG	10	398370003	5/25/2016	Sb-124	6.97E-01	4.86E+00	1.59E+01	U
TG	10	398370003	5/25/2016	Sb-125	2.09E+00	5.28E+00	1.75E+01	U
TG	10	398370003	5/25/2016	Se-75	-1.38E+00	2.42E+00	7.94E+00	U
TG	10	398370003	5/25/2016	Th-228	4.81E+00	5.46E+00	1.15E+01	U
TG	10	398370003	5/25/2016	Zn-65	-2.22E+00	5.43E+00	1.52E+01	U
TG	10	398370003	5/25/2016	Zr-95	-4.28E-01	3.74E+00	1.20E+01	U
TG	10	400154006	6/21/2016	Ac-228	3.26E+01	1.69E+01	3.35E+01	U
TG	10	400154006	6/21/2016	Ag-108m	-2.27E+00	2.14E+00	6.73E+00	U
TG	10	400154006	6/21/2016	Ag-110m	-2.22E+00	4.15E+00	1.19E+01	U
TG	10	400154006	6/21/2016	Ba-140	2.23E+01	1.34E+01	4.24E+01	U
TG	10	400154006	6/21/2016	Be-7	6.05E+02	5.17E+01	6.55E+01	
TG	10	400154006	6/21/2016	Ce-141	-6.86E+00	4.74E+00	1.08E+01	U
TG	10	400154006	6/21/2016	Ce-144	9.34E-02	1.11E+01	3.75E+01	U
TG	10	400154006	6/21/2016	Co-57	-3.07E-01	1.49E+00	4.71E+00	U
TG	10	400154006	6/21/2016	Co-58	2.80E+00	2.80E+00	9.28E+00	U
TG	10	400154006	6/21/2016	Co-60	-1.27E+00	2.90E+00	9.38E+00	U
TG	10	400154006	6/21/2016	Cr-51	-1.06E+01	2.25E+01	7.11E+01	U
TG	10	400154006	6/21/2016	Cs-134	2.99E+00	2.94E+00	9.75E+00	U
TG	10	400154006	6/21/2016	Cs-137	1.88E+01	4.66E+00	8.52E+00	M
TG	10	400154006	6/21/2016	Fe-59	3.56E+00	6.55E+00	2.13E+01	U
TG	10	400154006	6/21/2016	I-131	1.05E+00	4.08E+00	1.38E+01	U
TG	10	400154006	6/21/2016	K-40	4.80E+03	2.67E+02	1.07E+02	
TG	10	400154006	6/21/2016	La-140	6.68E+00	4.32E+00	1.42E+01	U
TG	10	400154006	6/21/2016	Mn-54	2.76E+00	2.74E+00	9.05E+00	U
TG	10	400154006	6/21/2016	Nb-95	-2.69E-01	3.42E+00	9.54E+00	U
TG	10	400154006	6/21/2016	Ru-103	5.89E+00	2.50E+00	8.11E+00	U
TG	10	400154006	6/21/2016	Ru-106	-4.85E+01	3.29E+01	7.02E+01	U
TG	10	400154006	6/21/2016	Sb-124	-7.04E-01	5.52E+00	1.84E+01	U
TG	10	400154006	6/21/2016	Sb-125	5.82E+00	6.48E+00	2.15E+01	U
TG	10	400154006	6/21/2016	Se-75	-1.50E+00	3.01E+00	9.66E+00	U
TG	10	400154006	6/21/2016	Th-228	4.77E+00	6.82E+00	1.24E+01	U
TG	10	400154006	6/21/2016	Zn-65	-7.55E+00	8.13E+00	2.09E+01	U
TG	10	400154006	6/21/2016	Zr-95	2.84E+00	7.98E+00	1.60E+01	U
TG	10	402319006	7/20/2016	Ac-228	9.44E+01	4.16E+01	7.07E+01	UI
TG	10	402319006	7/20/2016	Ag-108m	4.56E+00	5.33E+00	1.78E+01	U
TG	10	402319006	7/20/2016	Ag-110m	1.59E+01	8.85E+00	3.02E+01	U
TG	10	402319006	7/20/2016	Ba-140	1.24E+01	3.04E+01	1.04E+02	U
TG	10	402319006	7/20/2016	Be-7	3.84E+02	8.95E+01	1.87E+02	
TG	10	402319006	7/20/2016	Ce-141	9.48E+00	9.54E+00	3.10E+01	U
TG	10	402319006	7/20/2016	Ce-144	-5.61E+01	3.67E+01	1.02E+02	U
TG	10	402319006	7/20/2016	Co-57	-5.97E+00	5.07E+00	1.50E+01	U
TG	10	402319006	7/20/2016	Co-58	-2.19E+00	6.35E+00	2.01E+01	U
TG	10	402319006	7/20/2016	Co-60	-7.39E+00	6.77E+00	1.86E+01	U
TG	10	402319006	7/20/2016	Cr-51	-3.79E+01	5.38E+01	1.69E+02	U
TG	10	402319006	7/20/2016	Cs-134	8.22E+00	6.90E+00	2.37E+01	U
TG	10	402319006	7/20/2016	Cs-137	7.47E+00	6.33E+00	2.19E+01	U
TG	10	402319006	7/20/2016	Fe-59	1.31E+01	1.49E+01	5.15E+01	U
TG	10	402319006	7/20/2016	I-131	1.59E+00	9.66E+00	3.18E+01	U
TG	10	402319006	7/20/2016	K-40	4.47E+03	3.35E+02	1.81E+02	

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TG	10	402319006	7/20/2016	La-140	-5.08E+00	1.08E+01	3.27E+01	U
TG	10	402319006	7/20/2016	Mn-54	1.29E+01	8.13E+00	2.39E+01	U
TG	10	402319006	7/20/2016	Nb-95	-3.19E+00	6.07E+00	1.89E+01	U
TG	10	402319006	7/20/2016	Ru-103	6.51E+00	6.54E+00	2.27E+01	U
TG	10	402319006	7/20/2016	Ru-106	8.44E+01	6.18E+01	1.93E+02	U
TG	10	402319006	7/20/2016	Sb-124	-6.46E+00	1.19E+01	3.58E+01	U
TG	10	402319006	7/20/2016	Sb-125	1.40E+01	1.88E+01	5.55E+01	U
TG	10	402319006	7/20/2016	Se-75	3.43E+00	7.82E+00	2.64E+01	U
TG	10	402319006	7/20/2016	Th-228	2.43E+01	1.92E+01	3.34E+01	U
TG	10	402319006	7/20/2016	Zn-65	3.69E+00	1.48E+01	5.02E+01	U
TG	10	402319006	7/20/2016	Zr-95	4.39E+01	1.96E+01	4.38E+01	UI
TG	10	404121006	8/16/2016	Ac-228	0.00E+00	2.89E+01	5.04E+01	U
TG	10	404121006	8/16/2016	Ag-108m	-4.96E+00	3.49E+00	8.21E+00	U
TG	10	404121006	8/16/2016	Ag-110m	5.74E-01	4.37E+00	1.23E+01	U
TG	10	404121006	8/16/2016	Ba-140	-4.33E+00	1.14E+01	3.77E+01	U
TG	10	404121006	8/16/2016	Be-7	2.82E+02	4.98E+01	8.23E+01	
TG	10	404121006	8/16/2016	Ce-141	1.05E+01	5.05E+00	1.33E+01	U
TG	10	404121006	8/16/2016	Ce-144	2.17E+01	1.71E+01	5.33E+01	U
TG	10	404121006	8/16/2016	Co-57	4.41E+00	2.27E+00	6.77E+00	U
TG	10	404121006	8/16/2016	Co-58	-3.51E+00	3.57E+00	9.25E+00	U
TG	10	404121006	8/16/2016	Co-60	7.78E+00	3.83E+00	1.10E+01	U
TG	10	404121006	8/16/2016	Cr-51	9.29E+00	2.41E+01	7.93E+01	U
TG	10	404121006	8/16/2016	Cs-134	1.08E+01	4.69E+00	1.22E+01	U
TG	10	404121006	8/16/2016	Cs-137	1.45E+00	3.10E+00	1.03E+01	U
TG	10	404121006	8/16/2016	Fe-59	1.88E+00	5.75E+00	1.93E+01	U
TG	10	404121006	8/16/2016	I-131	-1.84E+00	3.74E+00	1.19E+01	U
TG	10	404121006	8/16/2016	K-40	2.31E+03	1.55E+02	8.75E+01	
TG	10	404121006	8/16/2016	La-140	3.32E+00	3.86E+00	1.32E+01	U
TG	10	404121006	8/16/2016	Mn-54	9.57E-01	3.08E+00	1.01E+01	U
TG	10	404121006	8/16/2016	Nb-95	3.21E+00	3.08E+00	9.58E+00	U
TG	10	404121006	8/16/2016	Ru-103	-3.13E+00	2.82E+00	8.89E+00	U
TG	10	404121006	8/16/2016	Ru-106	4.73E+01	2.86E+01	9.18E+01	U
TG	10	404121006	8/16/2016	Sb-124	-1.07E+00	6.02E+00	1.95E+01	U
TG	10	404121006	8/16/2016	Sb-125	6.50E-01	7.96E+00	2.56E+01	U
TG	10	404121006	8/16/2016	Se-75	-2.20E-01	3.58E+00	1.18E+01	U
TG	10	404121006	8/16/2016	Th-228	0.00E+00	8.62E+00	1.62E+01	U
TG	10	404121006	8/16/2016	Zn-65	-5.39E+00	8.01E+00	2.17E+01	U
TG	10	404121006	8/16/2016	Zr-95	-1.91E+00	5.06E+00	1.63E+01	U
TG	10	405959003	9/13/2016	Ac-228	6.20E+01	5.58E+01	1.31E+02	U
TG	10	405959003	9/13/2016	Ag-108m	1.05E+01	6.23E+00	2.09E+01	U
TG	10	405959003	9/13/2016	Ag-110m	-3.35E+00	1.04E+01	3.41E+01	U
TG	10	405959003	9/13/2016	Ba-140	8.13E+01	3.81E+01	1.24E+02	U
TG	10	405959003	9/13/2016	Be-7	9.61E+02	1.27E+02	2.05E+02	
TG	10	405959003	9/13/2016	Ce-141	3.89E+00	8.65E+00	2.89E+01	U
TG	10	405959003	9/13/2016	Ce-144	-2.27E+01	2.77E+01	8.73E+01	U
TG	10	405959003	9/13/2016	Co-57	-4.12E-01	3.77E+00	1.26E+01	U
TG	10	405959003	9/13/2016	Co-58	1.73E+01	1.01E+01	2.11E+01	U
TG	10	405959003	9/13/2016	Co-60	-2.49E+00	9.05E+00	2.84E+01	U
TG	10	405959003	9/13/2016	Cr-51	6.52E+01	5.77E+01	2.00E+02	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TG	10	405959003	9/13/2016	Cs-134	-4.69E+00	8.05E+00	2.61E+01	U
TG	10	405959003	9/13/2016	Cs-137	9.57E+00	7.85E+00	2.63E+01	U
TG	10	405959003	9/13/2016	Fe-59	-2.29E-01	1.54E+01	5.07E+01	U
TG	10	405959003	9/13/2016	I-131	1.02E+01	9.63E+00	3.33E+01	U
TG	10	405959003	9/13/2016	K-40	5.06E+03	3.33E+02	2.68E+02	
TG	10	405959003	9/13/2016	La-140	1.45E+01	1.16E+01	4.20E+01	U
TG	10	405959003	9/13/2016	Mn-54	-7.43E+00	7.46E+00	2.30E+01	U
TG	10	405959003	9/13/2016	Nb-95	9.15E+00	8.23E+00	2.72E+01	U
TG	10	405959003	9/13/2016	Ru-103	-7.18E-01	8.39E+00	2.47E+01	U
TG	10	405959003	9/13/2016	Ru-106	-5.02E+01	8.85E+01	2.16E+02	U
TG	10	405959003	9/13/2016	Sb-124	1.83E+01	1.47E+01	5.45E+01	U
TG	10	405959003	9/13/2016	Sb-125	-3.38E+01	2.80E+01	6.15E+01	U
TG	10	405959003	9/13/2016	Se-75	1.07E-01	8.30E+00	2.62E+01	U
TG	10	405959003	9/13/2016	Th-228	1.65E+01	1.96E+01	3.39E+01	U
TG	10	405959003	9/13/2016	Zn-65	-5.75E-01	1.62E+01	5.31E+01	U
TG	10	405959003	9/13/2016	Zr-95	4.46E+00	1.57E+01	4.52E+01	U
TG	10	408353003	10/11/2016	Ac-228	0.00E+00	4.51E+01	7.32E+01	U
TG	10	408353003	10/11/2016	Ag-108m	3.86E+00	3.70E+00	1.16E+01	U
TG	10	408353003	10/11/2016	Ag-110m	6.40E+00	5.43E+00	1.81E+01	U
TG	10	408353003	10/11/2016	Ba-140	-2.26E+00	2.66E+01	8.94E+01	U
TG	10	408353003	10/11/2016	Be-7	3.10E+03	1.38E+02	1.11E+02	
TG	10	408353003	10/11/2016	Ce-141	-3.52E+01	1.21E+01	1.93E+01	U
TG	10	408353003	10/11/2016	Ce-144	4.22E+01	2.16E+01	6.81E+01	U
TG	10	408353003	10/11/2016	Co-57	1.60E+00	2.63E+00	8.26E+00	U
TG	10	408353003	10/11/2016	Co-58	-2.09E+00	4.19E+00	1.32E+01	U
TG	10	408353003	10/11/2016	Co-60	7.38E-01	4.02E+00	1.36E+01	U
TG	10	408353003	10/11/2016	Cr-51	3.86E+01	6.37E+01	1.26E+02	U
TG	10	408353003	10/11/2016	Cs-134	9.89E+00	4.68E+00	1.50E+01	U
TG	10	408353003	10/11/2016	Cs-137	-5.42E+00	4.55E+00	1.37E+01	U
TG	10	408353003	10/11/2016	Fe-59	7.10E+00	8.83E+00	2.90E+01	U
TG	10	408353003	10/11/2016	I-131	-3.35E+01	1.37E+01	3.07E+01	U
TG	10	408353003	10/11/2016	K-40	3.44E+03	1.95E+02	1.26E+02	
TG	10	408353003	10/11/2016	La-140	-1.89E+01	9.12E+00	2.04E+01	U
TG	10	408353003	10/11/2016	Mn-54	-4.14E+00	4.47E+00	1.18E+01	U
TG	10	408353003	10/11/2016	Nb-95	1.95E+00	4.40E+00	1.46E+01	U
TG	10	408353003	10/11/2016	Ru-103	-1.24E+01	4.82E+00	1.13E+01	U
TG	10	408353003	10/11/2016	Ru-106	4.56E+00	3.64E+01	1.09E+02	U
TG	10	408353003	10/11/2016	Sb-124	3.73E+00	1.03E+01	3.47E+01	U
TG	10	408353003	10/11/2016	Sb-125	1.13E+01	1.03E+01	3.23E+01	U
TG	10	408353003	10/11/2016	Se-75	8.34E+00	5.35E+00	1.68E+01	U
TG	10	408353003	10/11/2016	Th-228	9.65E+00	1.36E+01	2.01E+01	U
TG	10	408353003	10/11/2016	Zn-65	-3.25E+00	9.13E+00	2.82E+01	U
TG	10	408353003	10/11/2016	Zr-95	-9.50E+00	7.14E+00	2.05E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TM	15	388985001	1/6/2016	Ac-228	-3.51E+00	4.01E+00	9.23E+00	U
TM	15	388985001	1/6/2016	Ag-108m	-4.80E-01	5.56E-01	1.73E+00	U
TM	15	388985001	1/6/2016	Ag-110m	1.31E+00	5.18E-01	1.98E+00	U
TM	15	388985001	1/6/2016	Ba-140	5.23E-01	2.77E+00	8.90E+00	U
TM	15	388985001	1/6/2016	Be-7	2.81E+00	7.27E+00	1.66E+01	U
TM	15	388985001	1/6/2016	Ce-141	-1.44E+00	1.47E+00	3.47E+00	U
TM	15	388985001	1/6/2016	Ce-144	5.39E-01	4.10E+00	1.34E+01	U
TM	15	388985001	1/6/2016	Co-57	-1.10E+00	6.69E-01	1.74E+00	U
TM	15	388985001	1/6/2016	Co-58	-2.13E-02	6.37E-01	2.09E+00	U
TM	15	388985001	1/6/2016	Co-60	5.02E-01	7.19E-01	2.39E+00	U
TM	15	388985001	1/6/2016	Cr-51	-1.26E+01	8.22E+00	1.77E+01	U
TM	15	388985001	1/6/2016	Cs-134	-6.57E-02	6.86E-01	2.25E+00	U
TM	15	388985001	1/6/2016	Cs-137	0.00E+00	9.81E-01	2.03E+00	U
TM	15	388985001	1/6/2016	Fe-59	4.45E-01	1.48E+00	4.98E+00	U
TM	15	388985001	1/6/2016	I-131	8.33E-02	1.08E-01	3.59E-01	U
TM	15	388985001	1/6/2016	K-40	1.74E+03	8.18E+01	1.87E+01	
TM	15	388985001	1/6/2016	La-140	7.08E-02	7.62E-01	2.48E+00	U
TM	15	388985001	1/6/2016	Mn-54	-1.14E+00	7.03E-01	2.02E+00	U
TM	15	388985001	1/6/2016	Nb-95	1.07E-01	6.23E-01	2.06E+00	U
TM	15	388985001	1/6/2016	Ru-103	-6.51E-01	7.31E-01	1.94E+00	U
TM	15	388985001	1/6/2016	Ru-106	1.03E+01	6.48E+00	1.77E+01	U
TM	15	388985001	1/6/2016	Sb-124	1.83E+00	1.39E+00	4.70E+00	U
TM	15	388985001	1/6/2016	Sb-125	-7.77E-01	1.58E+00	5.04E+00	U
TM	15	388985001	1/6/2016	Se-75	-1.03E+00	8.47E-01	2.67E+00	U
TM	15	388985001	1/6/2016	Th-228	1.69E+00	1.74E+00	4.05E+00	U
TM	15	388985001	1/6/2016	Zn-65	3.30E-01	1.78E+00	5.15E+00	U
TM	15	388985001	1/6/2016	Zr-95	1.92E-01	1.22E+00	3.51E+00	U
TM	15	390802001	2/3/2016	Ac-228	6.24E+00	3.65E+00	1.03E+01	U
TM	15	390802001	2/3/2016	Ag-108m	-3.16E-01	6.13E-01	1.99E+00	U
TM	15	390802001	2/3/2016	Ag-110m	1.10E+00	7.85E-01	3.21E+00	U
TM	15	390802001	2/3/2016	Ba-140	7.03E-01	3.33E+00	1.10E+01	U
TM	15	390802001	2/3/2016	Be-7	-1.82E+00	6.92E+00	1.95E+01	U
TM	15	390802001	2/3/2016	Ce-141	7.83E-01	1.90E+00	3.91E+00	U
TM	15	390802001	2/3/2016	Ce-144	-1.64E+00	5.09E+00	1.63E+01	U
TM	15	390802001	2/3/2016	Co-57	6.78E-02	6.82E-01	2.20E+00	U
TM	15	390802001	2/3/2016	Co-58	-1.14E+00	7.91E-01	2.29E+00	U
TM	15	390802001	2/3/2016	Co-60	1.08E+00	8.32E-01	2.72E+00	U
TM	15	390802001	2/3/2016	Cr-51	1.17E+01	5.96E+00	2.03E+01	U
TM	15	390802001	2/3/2016	Cs-134	-1.82E-01	8.37E-01	2.60E+00	U
TM	15	390802001	2/3/2016	Cs-137	0.00E+00	1.32E+00	2.40E+00	U
TM	15	390802001	2/3/2016	Fe-59	1.78E+00	1.64E+00	5.42E+00	U
TM	15	390802001	2/3/2016	I-131	2.21E-02	1.17E-01	3.84E-01	U
TM	15	390802001	2/3/2016	K-40	1.70E+03	8.31E+01	2.16E+01	
TM	15	390802001	2/3/2016	La-140	7.01E-01	9.23E-01	3.07E+00	U
TM	15	390802001	2/3/2016	Mn-54	1.22E+00	7.93E-01	2.58E+00	U
TM	15	390802001	2/3/2016	Nb-95	6.94E-01	8.03E-01	2.43E+00	U
TM	15	390802001	2/3/2016	Ru-103	-9.36E-02	8.26E-01	2.34E+00	U
TM	15	390802001	2/3/2016	Ru-106	1.53E+01	7.68E+00	2.22E+01	U
TM	15	390802001	2/3/2016	Sb-124	-3.16E+00	1.73E+00	4.60E+00	U
TM	15	390802001	2/3/2016	Sb-125	1.09E+00	1.89E+00	6.25E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TM	15	390802001	2/3/2016	Se-75	-2.12E-01	9.15E-01	3.05E+00	U
TM	15	390802001	2/3/2016	Th-228	-5.20E-01	1.95E+00	4.66E+00	U
TM	15	390802001	2/3/2016	Zn-65	-3.81E-01	1.76E+00	5.82E+00	U
TM	15	390802001	2/3/2016	Zr-95	-1.51E-01	1.32E+00	4.24E+00	U
TM	15	392593001	3/2/2016	Ac-228	-4.70E-01	4.61E+00	1.12E+01	U
TM	15	392593001	3/2/2016	Ag-108m	-6.62E-01	6.42E-01	2.04E+00	U
TM	15	392593001	3/2/2016	Ag-110m	9.50E-01	1.06E+00	3.55E+00	U
TM	15	392593001	3/2/2016	Ba-140	9.61E-01	3.26E+00	1.08E+01	U
TM	15	392593001	3/2/2016	Be-7	8.50E+00	6.32E+00	2.06E+01	U
TM	15	392593001	3/2/2016	Ce-141	1.24E+00	1.57E+00	4.19E+00	U
TM	15	392593001	3/2/2016	Ce-144	-2.95E-01	4.73E+00	1.60E+01	U
TM	15	392593001	3/2/2016	Co-57	1.44E+00	6.98E-01	2.13E+00	U
TM	15	392593001	3/2/2016	Co-58	-1.13E+00	7.99E-01	2.23E+00	U
TM	15	392593001	3/2/2016	Co-60	6.32E-01	8.51E-01	2.88E+00	U
TM	15	392593001	3/2/2016	Cr-51	4.02E+00	6.71E+00	2.17E+01	U
TM	15	392593001	3/2/2016	Cs-134	1.13E+00	7.52E-01	2.60E+00	U
TM	15	392593001	3/2/2016	Cs-137	3.06E+00	1.41E+00	2.51E+00	M
TM	15	392593001	3/2/2016	Fe-59	-1.26E+00	1.90E+00	6.06E+00	U
TM	15	392593001	3/2/2016	I-131	-2.59E-02	9.67E-02	3.10E-01	U
TM	15	392593001	3/2/2016	K-40	2.01E+03	9.52E+01	2.22E+01	
TM	15	392593001	3/2/2016	La-140	1.64E+00	1.12E+00	3.70E+00	U
TM	15	392593001	3/2/2016	Mn-54	-8.62E-01	7.79E-01	2.45E+00	U
TM	15	392593001	3/2/2016	Nb-95	2.62E+00	1.05E+00	2.65E+00	U
TM	15	392593001	3/2/2016	Ru-103	-1.03E+00	7.78E-01	2.38E+00	U
TM	15	392593001	3/2/2016	Ru-106	-8.95E-01	6.14E+00	2.00E+01	U
TM	15	392593001	3/2/2016	Sb-124	-2.12E+00	1.55E+00	4.45E+00	U
TM	15	392593001	3/2/2016	Sb-125	5.20E-01	2.21E+00	6.48E+00	U
TM	15	392593001	3/2/2016	Se-75	-2.67E-01	9.84E-01	3.19E+00	U
TM	15	392593001	3/2/2016	Th-228	4.02E+00	2.49E+00	4.29E+00	U
TM	15	392593001	3/2/2016	Zn-65	1.19E+00	2.06E+00	6.78E+00	U
TM	15	392593001	3/2/2016	Zr-95	2.57E+00	1.26E+00	4.39E+00	U
TM	15	395508001	4/13/2016	Ac-228	-9.33E+00	4.93E+00	1.07E+01	U
TM	15	395508001	4/13/2016	Ag-108m	1.78E-01	6.23E-01	2.10E+00	U
TM	15	395508001	4/13/2016	Ag-110m	-3.16E-01	9.61E-01	3.17E+00	U
TM	15	395508001	4/13/2016	Ba-140	-5.52E+00	4.52E+00	1.09E+01	U
TM	15	395508001	4/13/2016	Be-7	-8.13E+00	5.87E+00	1.78E+01	U
TM	15	395508001	4/13/2016	Ce-141	2.29E+00	1.88E+00	4.07E+00	U
TM	15	395508001	4/13/2016	Ce-144	4.60E+00	4.69E+00	1.57E+01	U
TM	15	395508001	4/13/2016	Co-57	2.36E-01	6.13E-01	2.09E+00	U
TM	15	395508001	4/13/2016	Co-58	-6.72E-01	7.29E-01	2.33E+00	U
TM	15	395508001	4/13/2016	Co-60	-1.27E+00	1.10E+00	2.58E+00	U
TM	15	395508001	4/13/2016	Cr-51	-1.51E+01	7.71E+00	2.12E+01	U
TM	15	395508001	4/13/2016	Cs-134	-1.47E-01	8.55E-01	2.46E+00	U
TM	15	395508001	4/13/2016	Cs-137	0.00E+00	9.92E-01	2.68E+00	U
TM	15	395508001	4/13/2016	Fe-59	3.95E-02	1.72E+00	5.64E+00	U
TM	15	395508001	4/13/2016	I-131	1.02E-01	1.73E-01	5.80E-01	U
TM	15	395508001	4/13/2016	K-40	1.59E+03	7.73E+01	2.28E+01	
TM	15	395508001	4/13/2016	La-140	-1.27E-01	1.19E+00	3.33E+00	U
TM	15	395508001	4/13/2016	Mn-54	3.95E-01	7.13E-01	2.41E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TM	15	395508001	4/13/2016	Nb-95	1.41E+00	8.26E-01	2.56E+00	U
TM	15	395508001	4/13/2016	Ru-103	-1.89E-01	8.12E-01	2.32E+00	U
TM	15	395508001	4/13/2016	Ru-106	1.44E+00	6.09E+00	2.00E+01	U
TM	15	395508001	4/13/2016	Sb-124	-1.02E+00	1.53E+00	4.79E+00	U
TM	15	395508001	4/13/2016	Sb-125	6.14E-01	1.75E+00	5.90E+00	U
TM	15	395508001	4/13/2016	Se-75	1.48E+00	1.00E+00	3.16E+00	U
TM	15	395508001	4/13/2016	Th-228	3.62E+00	2.45E+00	4.04E+00	U
TM	15	395508001	4/13/2016	Zn-65	-3.36E+00	1.99E+00	5.64E+00	U
TM	15	395508001	4/13/2016	Zr-95	2.84E+00	1.47E+00	4.48E+00	U
TM	15	396323001	4/27/2016	Ac-228	1.51E+00	5.05E+00	8.77E+00	U
TM	15	396323001	4/27/2016	Ag-108m	1.19E-01	5.72E-01	1.87E+00	U
TM	15	396323001	4/27/2016	Ag-110m	9.38E-01	9.52E-01	3.14E+00	U
TM	15	396323001	4/27/2016	Ba-140	-1.17E+00	3.27E+00	1.04E+01	U
TM	15	396323001	4/27/2016	Be-7	-3.39E+00	5.80E+00	1.83E+01	U
TM	15	396323001	4/27/2016	Ce-141	-2.46E-02	1.26E+00	3.60E+00	U
TM	15	396323001	4/27/2016	Ce-144	1.33E+00	4.43E+00	1.44E+01	U
TM	15	396323001	4/27/2016	Co-57	-5.04E-01	6.04E-01	1.90E+00	U
TM	15	396323001	4/27/2016	Co-58	9.83E-01	7.69E-01	2.23E+00	U
TM	15	396323001	4/27/2016	Co-60	1.16E+00	8.17E-01	2.71E+00	U
TM	15	396323001	4/27/2016	Cr-51	-7.60E+00	6.07E+00	1.87E+01	U
TM	15	396323001	4/27/2016	Cs-134	5.50E-01	7.11E-01	2.38E+00	U
TM	15	396323001	4/27/2016	Cs-137	3.46E+00	9.85E-01	2.25E+00	M
TM	15	396323001	4/27/2016	Fe-59	1.59E+00	1.71E+00	5.54E+00	U
TM	15	396323001	4/27/2016	I-131	-3.99E-03	1.64E-01	5.49E-01	U
TM	15	396323001	4/27/2016	K-40	1.47E+03	7.23E+01	2.06E+01	
TM	15	396323001	4/27/2016	La-140	2.42E-01	9.97E-01	3.31E+00	U
TM	15	396323001	4/27/2016	Mn-54	6.52E-01	6.81E-01	2.26E+00	U
TM	15	396323001	4/27/2016	Nb-95	-4.71E-01	7.06E-01	2.27E+00	U
TM	15	396323001	4/27/2016	Ru-103	1.95E+00	1.16E+00	2.22E+00	U
TM	15	396323001	4/27/2016	Ru-106	1.48E+00	5.81E+00	1.97E+01	U
TM	15	396323001	4/27/2016	Sb-124	1.57E+00	1.61E+00	5.41E+00	U
TM	15	396323001	4/27/2016	Sb-125	-8.61E-01	1.76E+00	5.64E+00	U
TM	15	396323001	4/27/2016	Se-75	4.09E-01	8.47E-01	2.85E+00	U
TM	15	396323001	4/27/2016	Th-228	2.28E+00	1.92E+00	4.41E+00	U
TM	15	396323001	4/27/2016	Zn-65	1.90E+00	1.82E+00	5.89E+00	U
TM	15	396323001	4/27/2016	Zr-95	-2.64E+00	1.60E+00	3.69E+00	U
TM	15	397475001	5/11/2016	Ac-228	1.75E+00	3.96E+00	1.02E+01	U
TM	15	397475001	5/11/2016	Ag-108m	9.85E-01	6.74E-01	2.15E+00	U
TM	15	397475001	5/11/2016	Ag-110m	-1.42E+00	1.06E+00	3.27E+00	U
TM	15	397475001	5/11/2016	Ba-140	-2.32E+00	3.87E+00	1.24E+01	U
TM	15	397475001	5/11/2016	Be-7	3.67E+00	6.39E+00	2.11E+01	U
TM	15	397475001	5/11/2016	Ce-141	-1.27E+00	2.85E+00	4.44E+00	U
TM	15	397475001	5/11/2016	Ce-144	-1.12E+01	5.61E+00	1.55E+01	U
TM	15	397475001	5/11/2016	Co-57	-3.94E-01	6.71E-01	2.13E+00	U
TM	15	397475001	5/11/2016	Co-58	5.64E-01	7.48E-01	2.42E+00	U
TM	15	397475001	5/11/2016	Co-60	-3.27E-01	7.22E-01	2.33E+00	U
TM	15	397475001	5/11/2016	Cr-51	2.99E+00	6.62E+00	2.21E+01	U
TM	15	397475001	5/11/2016	Cs-134	-1.22E-01	7.85E-01	2.51E+00	U
TM	15	397475001	5/11/2016	Cs-137	2.93E+00	1.28E+00	2.36E+00	M

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TM	15	397475001	5/11/2016	Fe-59	2.24E+00	1.72E+00	5.61E+00	U
TM	15	397475001	5/11/2016	I-131	-2.17E-01	2.03E-01	6.44E-01	U
TM	15	397475001	5/11/2016	K-40	1.46E+03	7.34E+01	2.10E+01	
TM	15	397475001	5/11/2016	La-140	-2.33E+00	1.29E+00	3.47E+00	U
TM	15	397475001	5/11/2016	Mn-54	-6.45E-01	6.91E-01	2.21E+00	U
TM	15	397475001	5/11/2016	Nb-95	1.27E+00	7.91E-01	2.48E+00	U
TM	15	397475001	5/11/2016	Ru-103	8.62E-01	8.11E-01	2.64E+00	U
TM	15	397475001	5/11/2016	Ru-106	-8.88E+00	6.99E+00	1.77E+01	U
TM	15	397475001	5/11/2016	Sb-124	1.71E+00	1.69E+00	4.94E+00	U
TM	15	397475001	5/11/2016	Sb-125	-2.99E+00	1.99E+00	5.94E+00	U
TM	15	397475001	5/11/2016	Se-75	-2.87E-01	9.17E-01	3.05E+00	U
TM	15	397475001	5/11/2016	Th-228	2.67E+00	2.05E+00	4.80E+00	U
TM	15	397475001	5/11/2016	Zn-65	1.06E+00	1.85E+00	5.37E+00	U
TM	15	397475001	5/11/2016	Zr-95	2.25E+00	1.76E+00	4.17E+00	U
TM	15	398366001	5/25/2016	Ac-228	-4.35E+00	3.23E+00	8.15E+00	U
TM	15	398366001	5/25/2016	Ag-108m	-9.33E-01	5.45E-01	1.57E+00	U
TM	15	398366001	5/25/2016	Ag-110m	1.88E-01	8.25E-01	2.71E+00	U
TM	15	398366001	5/25/2016	Ba-140	-8.29E+00	5.54E+00	1.38E+01	U
TM	15	398366001	5/25/2016	Be-7	-1.41E+01	8.20E+00	1.64E+01	U
TM	15	398366001	5/25/2016	Ce-141	8.91E-01	1.16E+00	3.74E+00	U
TM	15	398366001	5/25/2016	Ce-144	4.85E-01	3.59E+00	1.17E+01	U
TM	15	398366001	5/25/2016	Co-57	-6.26E-02	4.74E-01	1.55E+00	U
TM	15	398366001	5/25/2016	Co-58	-1.19E+00	1.21E+00	2.00E+00	U
TM	15	398366001	5/25/2016	Co-60	1.28E+00	7.28E-01	2.33E+00	U
TM	15	398366001	5/25/2016	Cr-51	2.37E+00	6.28E+00	2.10E+01	U
TM	15	398366001	5/25/2016	Cs-134	3.18E-01	6.53E-01	2.17E+00	U
TM	15	398366001	5/25/2016	Cs-137	1.81E+00	7.43E-01	2.17E+00	U
TM	15	398366001	5/25/2016	Fe-59	-3.02E+00	1.72E+00	4.95E+00	U
TM	15	398366001	5/25/2016	I-131	-1.37E-01	2.71E-01	8.88E-01	U
TM	15	398366001	5/25/2016	K-40	1.50E+03	7.08E+01	1.66E+01	
TM	15	398366001	5/25/2016	La-140	1.39E+00	1.50E+00	4.85E+00	U
TM	15	398366001	5/25/2016	Mn-54	1.40E+00	6.87E-01	2.09E+00	U
TM	15	398366001	5/25/2016	Nb-95	4.83E-01	6.62E-01	2.20E+00	U
TM	15	398366001	5/25/2016	Ru-103	-8.88E-01	8.39E-01	2.22E+00	U
TM	15	398366001	5/25/2016	Ru-106	-4.43E+00	5.05E+00	1.63E+01	U
TM	15	398366001	5/25/2016	Sb-124	-2.61E+00	1.91E+00	4.53E+00	U
TM	15	398366001	5/25/2016	Sb-125	-1.69E-02	1.50E+00	4.91E+00	U
TM	15	398366001	5/25/2016	Se-75	5.42E-01	7.61E-01	2.56E+00	U
TM	15	398366001	5/25/2016	Th-228	3.57E-01	1.93E+00	3.15E+00	U
TM	15	398366001	5/25/2016	Zn-65	-1.64E+00	1.57E+00	4.86E+00	U
TM	15	398366001	5/25/2016	Zr-95	-1.17E+00	1.12E+00	3.48E+00	U
TM	15	399251001	6/8/2016	Ac-228	-2.82E+00	3.90E+00	8.15E+00	U
TM	15	399251001	6/8/2016	Ag-108m	-5.58E-01	5.56E-01	1.71E+00	U
TM	15	399251001	6/8/2016	Ag-110m	-7.43E-01	8.75E-01	2.71E+00	U
TM	15	399251001	6/8/2016	Ba-140	-6.00E+00	4.12E+00	1.26E+01	U
TM	15	399251001	6/8/2016	Be-7	-2.02E+00	5.45E+00	1.73E+01	U
TM	15	399251001	6/8/2016	Ce-141	-3.54E+00	1.99E+00	3.99E+00	U
TM	15	399251001	6/8/2016	Ce-144	1.32E+00	4.06E+00	1.31E+01	U
TM	15	399251001	6/8/2016	Co-57	9.43E-01	5.79E-01	1.77E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS	
TM	15	399251001	6/8/2016	Co-58	7.69E-02	6.23E-01	2.04E+00	U	
TM	15	399251001	6/8/2016	Co-60	-7.82E-01	7.25E-01	2.22E+00	U	
TM	15	399251001	6/8/2016	Cr-51	-1.04E+01	9.30E+00	2.11E+01	U	
TM	15	399251001	6/8/2016	Cs-134	3.21E-01	6.67E-01	2.19E+00	U	
TM	15	399251001	6/8/2016	Cs-137	2.59E+00	1.15E+00	2.05E+00	UI	M
TM	15	399251001	6/8/2016	Fe-59	2.41E+00	1.69E+00	5.47E+00	U	
TM	15	399251001	6/8/2016	I-131	2.36E-01	2.76E-01	8.09E-01	U	
TM	15	399251001	6/8/2016	K-40	1.65E+03	7.73E+01	1.77E+01		
TM	15	399251001	6/8/2016	La-140	6.33E-01	1.26E+00	4.12E+00	U	
TM	15	399251001	6/8/2016	Mn-54	-1.32E-01	6.34E-01	2.05E+00	U	
TM	15	399251001	6/8/2016	Nb-95	1.96E+00	7.90E-01	2.25E+00	U	
TM	15	399251001	6/8/2016	Ru-103	2.55E-01	7.36E-01	2.18E+00	U	
TM	15	399251001	6/8/2016	Ru-106	7.70E+00	5.41E+00	1.75E+01	U	
TM	15	399251001	6/8/2016	Sb-124	-2.49E+00	1.51E+00	4.31E+00	U	
TM	15	399251001	6/8/2016	Sb-125	-6.75E-01	1.61E+00	5.13E+00	U	
TM	15	399251001	6/8/2016	Se-75	-4.67E-01	8.03E-01	2.63E+00	U	
TM	15	399251001	6/8/2016	Th-228	-9.51E-01	1.96E+00	4.12E+00	U	
TM	15	399251001	6/8/2016	Zn-65	-2.36E-01	1.56E+00	5.18E+00	U	
TM	15	399251001	6/8/2016	Zr-95	1.14E-02	1.18E+00	3.88E+00	U	
TM	15	400152001	6/22/2016	Ac-228	7.50E-01	4.72E+00	9.70E+00	U	
TM	15	400152001	6/22/2016	Ag-108m	2.98E-01	6.24E-01	2.11E+00	U	
TM	15	400152001	6/22/2016	Ag-110m	1.62E+00	1.13E+00	3.52E+00	U	
TM	15	400152001	6/22/2016	Ba-140	-7.44E+00	4.45E+00	1.31E+01	U	
TM	15	400152001	6/22/2016	Be-7	-3.72E+00	6.36E+00	2.09E+01	U	
TM	15	400152001	6/22/2016	Ce-141	2.44E+00	2.06E+00	4.47E+00	U	
TM	15	400152001	6/22/2016	Ce-144	-1.14E+00	4.96E+00	1.56E+01	U	
TM	15	400152001	6/22/2016	Co-57	2.71E-01	6.75E-01	2.15E+00	U	
TM	15	400152001	6/22/2016	Co-58	-7.66E-01	7.97E-01	2.44E+00	U	
TM	15	400152001	6/22/2016	Co-60	3.62E-01	8.20E-01	2.70E+00	U	
TM	15	400152001	6/22/2016	Cr-51	3.07E+00	7.28E+00	2.37E+01	U	
TM	15	400152001	6/22/2016	Cs-134	6.08E-01	1.12E+00	2.87E+00	U	
TM	15	400152001	6/22/2016	Cs-137	4.95E+00	1.35E+00	2.41E+00	M	
TM	15	400152001	6/22/2016	Fe-59	-1.06E+00	1.75E+00	5.63E+00	U	
TM	15	400152001	6/22/2016	I-131	-4.40E-01	2.47E-01	7.28E-01	U	
TM	15	400152001	6/22/2016	K-40	1.50E+03	7.27E+01	2.48E+01		
TM	15	400152001	6/22/2016	La-140	-6.89E-01	1.08E+00	3.47E+00	U	
TM	15	400152001	6/22/2016	Mn-54	-9.45E-01	8.98E-01	2.32E+00	U	
TM	15	400152001	6/22/2016	Nb-95	1.57E+00	8.79E-01	2.72E+00	U	
TM	15	400152001	6/22/2016	Ru-103	-1.54E-01	9.08E-01	2.63E+00	U	
TM	15	400152001	6/22/2016	Ru-106	5.03E+00	6.63E+00	2.19E+01	U	
TM	15	400152001	6/22/2016	Sb-124	2.26E+00	1.65E+00	4.92E+00	U	
TM	15	400152001	6/22/2016	Sb-125	-3.80E-01	1.81E+00	6.10E+00	U	
TM	15	400152001	6/22/2016	Se-75	4.45E-01	9.76E-01	3.21E+00	U	
TM	15	400152001	6/22/2016	Th-228	-1.87E+00	1.93E+00	4.75E+00	U	
TM	15	400152001	6/22/2016	Zn-65	-1.74E+00	1.89E+00	5.94E+00	U	
TM	15	400152001	6/22/2016	Zr-95	2.43E+00	1.52E+00	4.79E+00	U	
TM	15	401223001	7/6/2016	Ac-228	-2.36E+00	3.57E+00	8.58E+00	U	
TM	15	401223001	7/6/2016	Ag-108m	-1.09E-01	5.38E-01	1.74E+00	U	
TM	15	401223001	7/6/2016	Ag-110m	1.10E+00	9.07E-01	2.97E+00	U	

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS	
TM	15	401223001	7/6/2016	Ba-140	-3.37E+00	3.40E+00	1.03E+01	U	
TM	15	401223001	7/6/2016	Be-7	1.69E+00	5.47E+00	1.78E+01	U	
TM	15	401223001	7/6/2016	Ce-141	7.04E-01	1.39E+00	3.80E+00	U	
TM	15	401223001	7/6/2016	Ce-144	-2.14E+00	4.23E+00	1.34E+01	U	
TM	15	401223001	7/6/2016	Co-57	1.11E+00	6.21E-01	1.88E+00	U	
TM	15	401223001	7/6/2016	Co-58	8.84E-01	6.81E-01	2.23E+00	U	
TM	15	401223001	7/6/2016	Co-60	5.15E-01	6.65E-01	2.25E+00	U	
TM	15	401223001	7/6/2016	Cr-51	-1.24E+01	6.63E+00	1.91E+01	U	
TM	15	401223001	7/6/2016	Cs-134	1.36E+00	7.42E-01	2.35E+00	U	
TM	15	401223001	7/6/2016	Cs-137	3.14E+00	8.40E-01	2.24E+00	M	
TM	15	401223001	7/6/2016	Fe-59	1.10E+00	1.64E+00	5.36E+00	U	
TM	15	401223001	7/6/2016	I-131	7.19E-02	1.59E-01	5.31E-01	U	
TM	15	401223001	7/6/2016	K-40	1.66E+03	5.42E+01	1.55E+01		
TM	15	401223001	7/6/2016	La-140	-6.75E-01	9.18E-01	2.87E+00	U	
TM	15	401223001	7/6/2016	Mn-54	4.92E-02	6.52E-01	2.16E+00	U	
TM	15	401223001	7/6/2016	Nb-95	-3.52E-01	8.02E-01	2.24E+00	U	
TM	15	401223001	7/6/2016	Ru-103	-4.63E-01	7.23E-01	2.28E+00	U	
TM	15	401223001	7/6/2016	Ru-106	-8.17E+00	5.70E+00	1.74E+01	U	
TM	15	401223001	7/6/2016	Sb-124	-9.50E-01	1.29E+00	4.01E+00	U	
TM	15	401223001	7/6/2016	Sb-125	5.58E-01	1.68E+00	5.51E+00	U	
TM	15	401223001	7/6/2016	Se-75	6.92E-02	8.35E-01	2.80E+00	U	
TM	15	401223001	7/6/2016	Th-228	1.37E+00	2.17E+00	4.37E+00	U	
TM	15	401223001	7/6/2016	Zn-65	-1.61E+00	1.60E+00	4.87E+00	U	
TM	15	401223001	7/6/2016	Zr-95	5.01E-01	1.13E+00	3.78E+00	U	
TM	15	402100001	7/19/2016	Ac-228	1.66E-01	4.37E+00	1.12E+01	U	
TM	15	402100001	7/19/2016	Ag-108m	8.43E-01	4.42E-01	2.11E+00	U	
TM	15	402100001	7/19/2016	Ag-110m	9.75E-01	1.14E+00	3.74E+00	U	
TM	15	402100001	7/19/2016	Ba-140	1.50E+00	4.53E+00	1.48E+01	U	
TM	15	402100001	7/19/2016	Be-7	4.11E+00	6.70E+00	2.20E+01	U	
TM	15	402100001	7/19/2016	Ce-141	1.31E+00	1.53E+00	4.47E+00	U	
TM	15	402100001	7/19/2016	Ce-144	-6.45E+00	5.44E+00	1.59E+01	U	
TM	15	402100001	7/19/2016	Co-57	1.13E-01	6.87E-01	2.15E+00	U	
TM	15	402100001	7/19/2016	Co-58	-4.22E-01	9.34E-01	2.57E+00	U	
TM	15	402100001	7/19/2016	Co-60	-1.28E+00	9.10E-01	2.66E+00	U	
TM	15	402100001	7/19/2016	Cr-51	-9.29E+00	7.80E+00	2.47E+01	U	
TM	15	402100001	7/19/2016	Cs-134	9.06E-01	8.64E-01	2.84E+00	U	
TM	15	402100001	7/19/2016	Cs-137	3.27E+00	1.39E+00	2.58E+00	UI	M
TM	15	402100001	7/19/2016	Fe-59	4.40E-01	2.02E+00	6.78E+00	U	
TM	15	402100001	7/19/2016	I-131	2.29E-02	1.82E-01	6.10E-01	U	
TM	15	402100001	7/19/2016	K-40	1.66E+03	8.07E+01	2.37E+01		
TM	15	402100001	7/19/2016	La-140	1.50E+00	1.49E+00	5.04E+00	U	
TM	15	402100001	7/19/2016	Mn-54	1.12E+00	8.14E-01	2.63E+00	U	
TM	15	402100001	7/19/2016	Nb-95	-1.06E-01	9.20E-01	2.60E+00	U	
TM	15	402100001	7/19/2016	Ru-103	-2.12E+00	1.12E+00	2.61E+00	U	
TM	15	402100001	7/19/2016	Ru-106	4.98E-01	6.69E+00	2.25E+01	U	
TM	15	402100001	7/19/2016	Sb-124	-1.83E+00	1.80E+00	5.49E+00	U	
TM	15	402100001	7/19/2016	Sb-125	-1.99E+00	2.57E+00	6.56E+00	U	
TM	15	402100001	7/19/2016	Se-75	-4.53E-01	1.04E+00	3.29E+00	U	
TM	15	402100001	7/19/2016	Th-228	3.25E+00	2.26E+00	5.35E+00	U	
TM	15	402100001	7/19/2016	Zn-65	2.79E+00	2.12E+00	6.94E+00	U	

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TM	15	402100001	7/19/2016	Zr-95	-5.06E-02	1.42E+00	4.68E+00	U
TM	15	403217001	8/3/2016	Ac-228	-7.23E+00	5.32E+00	1.27E+01	U
TM	15	403217001	8/3/2016	Ag-108m	1.12E+00	8.12E-01	2.36E+00	U
TM	15	403217001	8/3/2016	Ag-110m	6.62E-01	1.47E+00	4.30E+00	U
TM	15	403217001	8/3/2016	Ba-140	-1.53E+00	5.24E+00	1.47E+01	U
TM	15	403217001	8/3/2016	Be-7	-4.08E+00	7.17E+00	2.30E+01	U
TM	15	403217001	8/3/2016	Ce-141	6.91E-03	1.27E+00	4.20E+00	U
TM	15	403217001	8/3/2016	Ce-144	-6.16E+00	4.80E+00	1.49E+01	U
TM	15	403217001	8/3/2016	Co-57	1.47E+00	7.05E-01	2.02E+00	U
TM	15	403217001	8/3/2016	Co-58	-5.26E-01	1.17E+00	2.86E+00	U
TM	15	403217001	8/3/2016	Co-60	-7.80E-01	1.03E+00	3.29E+00	U
TM	15	403217001	8/3/2016	Cr-51	-2.61E+00	6.83E+00	2.29E+01	U
TM	15	403217001	8/3/2016	Cs-134	3.73E-01	9.35E-01	3.15E+00	U
TM	15	403217001	8/3/2016	Cs-137	1.19E+00	9.79E-01	2.82E+00	U
TM	15	403217001	8/3/2016	Fe-59	1.87E+00	2.31E+00	7.59E+00	U
TM	15	403217001	8/3/2016	I-131	6.80E-02	2.19E-01	7.28E-01	U
TM	15	403217001	8/3/2016	K-40	1.63E+03	6.06E+01	2.41E+01	
TM	15	403217001	8/3/2016	La-140	-2.97E+00	1.81E+00	3.99E+00	U
TM	15	403217001	8/3/2016	Mn-54	1.08E+00	8.99E-01	2.99E+00	U
TM	15	403217001	8/3/2016	Nb-95	6.11E-02	9.19E-01	3.09E+00	U
TM	15	403217001	8/3/2016	Ru-103	-5.64E-01	8.76E-01	2.79E+00	U
TM	15	403217001	8/3/2016	Ru-106	-1.32E+01	1.21E+01	2.37E+01	U
TM	15	403217001	8/3/2016	Sb-124	-1.67E+00	2.01E+00	6.13E+00	U
TM	15	403217001	8/3/2016	Sb-125	3.28E+00	2.36E+00	6.89E+00	U
TM	15	403217001	8/3/2016	Se-75	8.98E-01	1.06E+00	3.38E+00	U
TM	15	403217001	8/3/2016	Th-228	-4.66E+00	2.37E+00	5.13E+00	U
TM	15	403217001	8/3/2016	Zn-65	-6.19E-01	2.43E+00	7.82E+00	U
TM	15	403217001	8/3/2016	Zr-95	-2.34E+00	1.98E+00	4.95E+00	U
TM	15	404114001	8/17/2016	Ac-228	-6.08E+00	3.60E+00	8.17E+00	U
TM	15	404114001	8/17/2016	Ag-108m	5.56E-01	4.54E-01	1.51E+00	U
TM	15	404114001	8/17/2016	Ag-110m	9.41E-02	7.53E-01	2.42E+00	U
TM	15	404114001	8/17/2016	Ba-140	-6.20E+00	3.87E+00	1.13E+01	U
TM	15	404114001	8/17/2016	Be-7	-5.50E+00	5.14E+00	1.62E+01	U
TM	15	404114001	8/17/2016	Ce-141	1.50E+00	1.17E+00	3.42E+00	U
TM	15	404114001	8/17/2016	Ce-144	-5.70E-01	3.51E+00	1.13E+01	U
TM	15	404114001	8/17/2016	Co-57	1.91E-01	4.81E-01	1.56E+00	U
TM	15	404114001	8/17/2016	Co-58	-6.65E-01	5.63E-01	1.66E+00	U
TM	15	404114001	8/17/2016	Co-60	8.13E-01	5.59E-01	1.87E+00	U
TM	15	404114001	8/17/2016	Cr-51	-1.33E+00	5.50E+00	1.79E+01	U
TM	15	404114001	8/17/2016	Cs-134	4.28E-01	6.18E-01	2.02E+00	U
TM	15	404114001	8/17/2016	Cs-137	0.00E+00	8.33E-01	2.10E+00	U
TM	15	404114001	8/17/2016	Fe-59	-1.15E-01	1.37E+00	4.63E+00	U
TM	15	404114001	8/17/2016	I-131	-7.87E-02	1.32E-01	4.41E-01	U
TM	15	404114001	8/17/2016	K-40	1.74E+03	5.59E+01	1.36E+01	
TM	15	404114001	8/17/2016	La-140	-6.09E-01	8.96E-01	2.78E+00	U
TM	15	404114001	8/17/2016	Mn-54	-3.47E-01	5.69E-01	1.78E+00	U
TM	15	404114001	8/17/2016	Nb-95	4.29E-01	6.06E-01	1.98E+00	U
TM	15	404114001	8/17/2016	Ru-103	0.00E+00	1.29E+00	2.03E+00	U
TM	15	404114001	8/17/2016	Ru-106	1.74E+00	4.72E+00	1.56E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TM	15	404114001	8/17/2016	Sb-124	1.66E+00	1.07E+00	3.64E+00	U
TM	15	404114001	8/17/2016	Sb-125	1.04E+00	1.37E+00	4.62E+00	U
TM	15	404114001	8/17/2016	Se-75	9.07E-02	7.40E-01	2.31E+00	U
TM	15	404114001	8/17/2016	Th-228	1.11E+00	1.99E+00	3.89E+00	U
TM	15	404114001	8/17/2016	Zn-65	2.74E+00	1.92E+00	3.80E+00	U
TM	15	404114001	8/17/2016	Zr-95	1.57E+00	1.05E+00	3.37E+00	U
TM	15	406056001	9/14/2016	Ac-228	-1.01E+01	4.38E+00	8.43E+00	U
TM	15	406056001	9/14/2016	Ag-108m	-1.42E-01	4.87E-01	1.43E+00	U
TM	15	406056001	9/14/2016	Ag-110m	-1.97E-01	7.43E-01	2.49E+00	U
TM	15	406056001	9/14/2016	Ba-140	1.11E+00	2.82E+00	9.28E+00	U
TM	15	406056001	9/14/2016	Be-7	-8.08E-01	4.69E+00	1.54E+01	U
TM	15	406056001	9/14/2016	Ce-141	2.00E+00	1.24E+00	2.74E+00	U
TM	15	406056001	9/14/2016	Ce-144	-6.47E-01	3.43E+00	1.09E+01	U
TM	15	406056001	9/14/2016	Co-57	-7.51E-01	4.63E-01	1.33E+00	U
TM	15	406056001	9/14/2016	Co-58	-1.10E-01	5.73E-01	1.80E+00	U
TM	15	406056001	9/14/2016	Co-60	7.16E-01	6.18E-01	2.05E+00	U
TM	15	406056001	9/14/2016	Cr-51	-2.22E+00	4.83E+00	1.60E+01	U
TM	15	406056001	9/14/2016	Cs-134	2.79E-01	6.44E-01	2.07E+00	U
TM	15	406056001	9/14/2016	Cs-137	3.08E+00	1.07E+00	1.84E+00	M
TM	15	406056001	9/14/2016	Fe-59	-6.07E-01	1.26E+00	4.09E+00	U
TM	15	406056001	9/14/2016	I-131	7.02E-02	1.49E-01	4.88E-01	U
TM	15	406056001	9/14/2016	K-40	1.65E+03	5.48E+01	1.74E+01	
TM	15	406056001	9/14/2016	La-140	1.20E-01	7.99E-01	2.61E+00	U
TM	15	406056001	9/14/2016	Mn-54	6.68E-01	5.50E-01	1.68E+00	U
TM	15	406056001	9/14/2016	Nb-95	2.46E-01	7.52E-01	1.96E+00	U
TM	15	406056001	9/14/2016	Ru-103	-1.72E-01	6.19E-01	1.79E+00	U
TM	15	406056001	9/14/2016	Ru-106	3.26E+00	4.87E+00	1.59E+01	U
TM	15	406056001	9/14/2016	Sb-124	8.70E-01	1.37E+00	4.01E+00	U
TM	15	406056001	9/14/2016	Sb-125	3.74E-01	1.40E+00	4.47E+00	U
TM	15	406056001	9/14/2016	Se-75	-1.49E-01	6.48E-01	2.20E+00	U
TM	15	406056001	9/14/2016	Th-228	4.42E+00	2.46E+00	3.66E+00	UI
TM	15	406056001	9/14/2016	Zn-65	-4.30E-01	1.37E+00	4.51E+00	U
TM	15	406056001	9/14/2016	Zr-95	1.88E-01	1.02E+00	3.25E+00	U
TM	15	407066001	9/28/2016	Ac-228	-6.22E+00	3.18E+00	6.42E+00	U
TM	15	407066001	9/28/2016	Ag-108m	-4.76E-01	4.33E-01	1.21E+00	U
TM	15	407066001	9/28/2016	Ag-110m	8.59E-02	6.86E-01	1.95E+00	U
TM	15	407066001	9/28/2016	Ba-140	1.65E+00	3.29E+00	9.80E+00	U
TM	15	407066001	9/28/2016	Be-7	4.23E+00	4.23E+00	1.40E+01	U
TM	15	407066001	9/28/2016	Ce-141	9.48E-01	1.78E+00	2.73E+00	U
TM	15	407066001	9/28/2016	Ce-144	8.93E-01	2.84E+00	9.08E+00	U
TM	15	407066001	9/28/2016	Co-57	5.29E-01	3.98E-01	1.19E+00	U
TM	15	407066001	9/28/2016	Co-58	3.14E-01	5.01E-01	1.62E+00	U
TM	15	407066001	9/28/2016	Co-60	-1.87E+00	8.79E-01	1.57E+00	U
TM	15	407066001	9/28/2016	Cr-51	2.99E-01	4.92E+00	1.50E+01	U
TM	15	407066001	9/28/2016	Cs-134	5.57E-01	4.93E-01	1.59E+00	U
TM	15	407066001	9/28/2016	Cs-137	7.46E+00	1.00E+00	1.52E+00	M
TM	15	407066001	9/28/2016	Fe-59	-1.58E+00	1.11E+00	3.39E+00	U
TM	15	407066001	9/28/2016	I-131	3.64E-01	2.05E-01	6.32E-01	U
TM	15	407066001	9/28/2016	K-40	1.72E+03	5.34E+01	1.19E+01	

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TM	15	407066001	9/28/2016	La-140	-9.54E-01	8.91E-01	2.66E+00	U
TM	15	407066001	9/28/2016	Mn-54	2.39E-01	4.68E-01	1.51E+00	U
TM	15	407066001	9/28/2016	Nb-95	3.95E-01	4.95E-01	1.60E+00	U
TM	15	407066001	9/28/2016	Ru-103	-5.60E-01	5.11E-01	1.59E+00	U
TM	15	407066001	9/28/2016	Ru-106	-2.66E+00	4.01E+00	1.27E+01	U
TM	15	407066001	9/28/2016	Sb-124	-1.25E-01	1.01E+00	3.26E+00	U
TM	15	407066001	9/28/2016	Sb-125	-1.76E+00	1.36E+00	3.74E+00	U
TM	15	407066001	9/28/2016	Se-75	-1.10E+00	6.24E-01	1.89E+00	U
TM	15	407066001	9/28/2016	Th-228	2.19E+00	1.95E+00	3.04E+00	U
TM	15	407066001	9/28/2016	Zn-65	-6.37E-01	1.06E+00	3.46E+00	U
TM	15	407066001	9/28/2016	Zr-95	9.26E-01	8.76E-01	2.83E+00	U
TM	15	408341001	10/12/2016	Ac-228	-5.20E+00	3.62E+00	8.12E+00	U
TM	15	408341001	10/12/2016	Ag-108m	-3.54E-01	4.59E-01	1.47E+00	U
TM	15	408341001	10/12/2016	Ag-110m	4.63E-01	7.81E-01	2.67E+00	U
TM	15	408341001	10/12/2016	Ba-140	2.50E+00	2.99E+00	9.83E+00	U
TM	15	408341001	10/12/2016	Be-7	2.36E+00	4.71E+00	1.56E+01	U
TM	15	408341001	10/12/2016	Ce-141	-5.72E-01	1.02E+00	2.91E+00	U
TM	15	408341001	10/12/2016	Ce-144	7.45E+00	3.68E+00	1.08E+01	U
TM	15	408341001	10/12/2016	Co-57	8.96E-02	4.53E-01	1.46E+00	U
TM	15	408341001	10/12/2016	Co-58	6.97E-01	9.05E-01	2.07E+00	U
TM	15	408341001	10/12/2016	Co-60	1.40E+00	7.10E-01	2.26E+00	U
TM	15	408341001	10/12/2016	Cr-51	5.36E+00	5.21E+00	1.74E+01	U
TM	15	408341001	10/12/2016	Cs-134	3.36E-01	6.61E-01	2.12E+00	U
TM	15	408341001	10/12/2016	Cs-137	5.77E+00	1.85E+00	1.71E+00	M
TM	15	408341001	10/12/2016	Fe-59	2.31E+00	1.45E+00	4.72E+00	U
TM	15	408341001	10/12/2016	I-131	-1.90E-01	1.52E-01	4.59E-01	U
TM	15	408341001	10/12/2016	K-40	1.65E+03	5.47E+01	1.53E+01	
TM	15	408341001	10/12/2016	La-140	1.39E+00	9.68E-01	3.21E+00	U
TM	15	408341001	10/12/2016	Mn-54	-4.39E-01	5.74E-01	1.88E+00	U
TM	15	408341001	10/12/2016	Nb-95	-8.50E-01	6.63E-01	1.92E+00	U
TM	15	408341001	10/12/2016	Ru-103	2.93E-01	6.08E-01	1.81E+00	U
TM	15	408341001	10/12/2016	Ru-106	1.52E+01	1.19E+01	1.55E+01	U
TM	15	408341001	10/12/2016	Sb-124	-8.75E-01	1.50E+00	3.96E+00	U
TM	15	408341001	10/12/2016	Sb-125	1.77E+00	1.42E+00	4.66E+00	U
TM	15	408341001	10/12/2016	Se-75	7.32E-02	6.47E-01	2.21E+00	U
TM	15	408341001	10/12/2016	Th-228	8.29E-01	1.99E+00	3.06E+00	U
TM	15	408341001	10/12/2016	Zn-65	-1.52E+00	1.55E+00	4.19E+00	U
TM	15	408341001	10/12/2016	Zr-95	-7.57E-01	1.05E+00	3.21E+00	U
TM	15	412443001	12/7/2016	Ac-228	-2.30E+00	4.12E+00	9.31E+00	U
TM	15	412443001	12/7/2016	Ag-108m	-1.31E-01	5.36E-01	1.57E+00	U
TM	15	412443001	12/7/2016	Ag-110m	-2.46E+00	1.04E+00	2.48E+00	U
TM	15	412443001	12/7/2016	Ba-140	6.77E-01	3.16E+00	1.04E+01	U
TM	15	412443001	12/7/2016	Be-7	1.85E+00	7.54E+00	1.87E+01	U
TM	15	412443001	12/7/2016	Ce-141	-2.20E+00	1.16E+00	3.45E+00	U
TM	15	412443001	12/7/2016	Ce-144	-4.48E+00	4.06E+00	1.33E+01	U
TM	15	412443001	12/7/2016	Co-57	-6.83E-01	6.14E-01	1.80E+00	U
TM	15	412443001	12/7/2016	Co-58	-8.99E-01	6.42E-01	1.84E+00	U
TM	15	412443001	12/7/2016	Co-60	6.17E-01	6.37E-01	2.19E+00	U
TM	15	412443001	12/7/2016	Cr-51	6.73E-01	5.51E+00	1.85E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
TM	15	412443001	12/7/2016	Cs-134	1.13E+00	1.05E+00	2.46E+00	U
TM	15	412443001	12/7/2016	Cs-137	7.59E+00	1.11E+00	1.95E+00	M
TM	15	412443001	12/7/2016	Fe-59	6.42E-01	1.56E+00	5.02E+00	U
TM	15	412443001	12/7/2016	I-131	-7.69E-02	1.87E-01	6.10E-01	U
TM	15	412443001	12/7/2016	K-40	1.64E+03	5.59E+01	1.68E+01	
TM	15	412443001	12/7/2016	La-140	6.35E-01	9.30E-01	3.19E+00	U
TM	15	412443001	12/7/2016	Mn-54	2.41E-01	6.17E-01	2.01E+00	U
TM	15	412443001	12/7/2016	Nb-95	-3.26E-01	6.25E-01	1.97E+00	U
TM	15	412443001	12/7/2016	Ru-103	7.65E-02	6.50E-01	2.15E+00	U
TM	15	412443001	12/7/2016	Ru-106	1.30E+00	5.28E+00	1.74E+01	U
TM	15	412443001	12/7/2016	Sb-124	4.58E-02	1.42E+00	4.60E+00	U
TM	15	412443001	12/7/2016	Sb-125	2.51E-02	1.53E+00	5.08E+00	U
TM	15	412443001	12/7/2016	Se-75	6.00E-01	7.82E-01	2.63E+00	U
TM	15	412443001	12/7/2016	Th-228	1.86E-01	1.89E+00	4.22E+00	U
TM	15	412443001	12/7/2016	Zn-65	1.10E+00	1.57E+00	5.04E+00	U
TM	15	412443001	12/7/2016	Zr-95	2.76E-01	1.20E+00	3.91E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
WG	01	393520001	3/16/2016	Ac-228	-2.20E+00	3.93E+00	9.04E+00	U
WG	01	393520001	3/16/2016	Ag-108m	-6.38E-01	5.94E-01	1.80E+00	U
WG	01	393520001	3/16/2016	Ag-110m	-8.44E-01	8.02E-01	2.44E+00	U
WG	01	393520001	3/16/2016	Ba-140	2.42E-01	3.11E+00	1.05E+01	U
WG	01	393520001	3/16/2016	Be-7	2.25E+00	5.45E+00	1.77E+01	U
WG	01	393520001	3/16/2016	BETA	5.78E+00	1.50E+00	3.41E+00	
WG	01	393520001	3/16/2016	Bi-214	0.00E+00	2.60E+00	3.97E+00	U
WG	01	393520001	3/16/2016	Ce-141	-1.09E+00	1.73E+00	4.04E+00	U
WG	01	393520001	3/16/2016	Ce-144	6.95E+00	4.74E+00	1.53E+01	U
WG	01	393520001	3/16/2016	Co-57	4.14E-01	5.75E-01	1.94E+00	U
WG	01	393520001	3/16/2016	Co-58	-9.47E-01	6.46E-01	1.89E+00	U
WG	01	393520001	3/16/2016	Co-60	-3.54E-02	7.15E-01	2.39E+00	U
WG	01	393520001	3/16/2016	Cr-51	6.40E-01	6.06E+00	1.99E+01	U
WG	01	393520001	3/16/2016	Cs-134	-4.80E-01	6.53E-01	2.07E+00	U
WG	01	393520001	3/16/2016	Cs-137	4.30E-01	6.42E-01	2.16E+00	U
WG	01	393520001	3/16/2016	Fe-59	-1.31E+00	1.22E+00	3.62E+00	U
WG	01	393520001	3/16/2016	H-3	-3.00E+01	1.17E+02	3.87E+02	U
WG	01	393520001	3/16/2016	I-131	-2.66E-01	1.11E+00	3.59E+00	U
WG	01	393520001	3/16/2016	K-40	-3.28E+01	1.46E+01	2.74E+01	U
WG	01	393520001	3/16/2016	La-140	-4.52E-01	1.16E+00	3.59E+00	U
WG	01	393520001	3/16/2016	Mn-54	6.37E-01	6.31E-01	2.09E+00	U
WG	01	393520001	3/16/2016	Nb-95	-3.77E-01	6.64E-01	2.14E+00	U
WG	01	393520001	3/16/2016	Pb-212	-2.67E+00	2.06E+00	4.53E+00	U
WG	01	393520001	3/16/2016	Pb-214	5.81E+00	2.59E+00	4.78E+00	X(1)
WG	01	393520001	3/16/2016	Ru-103	-5.59E-01	7.05E-01	2.17E+00	U
WG	01	393520001	3/16/2016	Ru-106	4.62E+00	5.25E+00	1.77E+01	U
WG	01	393520001	3/16/2016	Sb-124	2.54E+00	1.77E+00	5.90E+00	U
WG	01	393520001	3/16/2016	Sb-125	-1.02E-01	1.81E+00	5.85E+00	U
WG	01	393520001	3/16/2016	Se-75	9.57E-01	1.11E+00	2.96E+00	U
WG	01	393520001	3/16/2016	Th-228	-2.67E+00	2.06E+00	4.53E+00	U
WG	01	393520001	3/16/2016	Zn-65	1.48E+00	1.43E+00	4.14E+00	U
WG	01	393520001	3/16/2016	Zr-95	1.14E+00	1.12E+00	3.73E+00	U
WG	01	399250001	6/8/2016	Ac-228	-2.18E+00	3.34E+00	6.94E+00	U
WG	01	399250001	6/8/2016	Ag-108m	-8.36E-01	5.18E-01	1.53E+00	U
WG	01	399250001	6/8/2016	Ag-110m	2.61E-01	6.88E-01	2.32E+00	U
WG	01	399250001	6/8/2016	Ba-140	1.65E+00	3.63E+00	1.19E+01	U
WG	01	399250001	6/8/2016	Be-7	-2.94E+00	4.95E+00	1.59E+01	U
WG	01	399250001	6/8/2016	BETA	5.19E+00	1.24E+00	2.45E+00	
WG	01	399250001	6/8/2016	Bi-214	2.32E+00	2.17E+00	3.25E+00	U
WG	01	399250001	6/8/2016	Ce-141	1.90E-01	1.74E+00	3.58E+00	U
WG	01	399250001	6/8/2016	Ce-144	-4.09E+00	4.24E+00	1.21E+01	U
WG	01	399250001	6/8/2016	Co-57	2.40E-01	5.11E-01	1.65E+00	U
WG	01	399250001	6/8/2016	Co-58	-4.90E-01	5.70E-01	1.75E+00	U
WG	01	399250001	6/8/2016	Co-60	-8.24E-01	6.87E-01	1.75E+00	U
WG	01	399250001	6/8/2016	Cr-51	-5.92E+00	5.85E+00	1.86E+01	U
WG	01	399250001	6/8/2016	Cs-134	2.09E-01	5.59E-01	1.81E+00	U
WG	01	399250001	6/8/2016	Cs-137	4.27E-01	5.45E-01	1.78E+00	U
WG	01	399250001	6/8/2016	Fe-59	-1.44E+00	1.18E+00	3.59E+00	U
WG	01	399250001	6/8/2016	H-3	-2.06E+02	1.12E+02	3.89E+02	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
WG	01	399250001	6/8/2016	I-131	4.16E+00	3.91E+00	5.17E+00	U
WG	01	399250001	6/8/2016	K-40	1.34E+01	1.38E+01	1.67E+01	U
WG	01	399250001	6/8/2016	La-140	2.04E+00	1.31E+00	4.23E+00	U
WG	01	399250001	6/8/2016	Mn-54	-2.88E-01	5.01E-01	1.65E+00	U
WG	01	399250001	6/8/2016	Nb-95	6.48E-01	5.70E-01	1.83E+00	U
WG	01	399250001	6/8/2016	Pb-212	3.10E+00	2.01E+00	3.56E+00	U
WG	01	399250001	6/8/2016	Pb-214	2.89E+00	1.37E+00	4.12E+00	U
WG	01	399250001	6/8/2016	Ru-103	5.06E-01	7.37E-01	2.11E+00	U
WG	01	399250001	6/8/2016	Ru-106	-2.07E+00	4.84E+00	1.55E+01	U
WG	01	399250001	6/8/2016	Sb-124	-2.77E+00	1.60E+00	4.41E+00	U
WG	01	399250001	6/8/2016	Sb-125	-1.21E+00	1.52E+00	4.87E+00	U
WG	01	399250001	6/8/2016	Se-75	6.80E-01	7.22E-01	2.39E+00	U
WG	01	399250001	6/8/2016	Th-228	3.10E+00	2.01E+00	3.56E+00	U
WG	01	399250001	6/8/2016	Zn-65	-5.18E-01	1.17E+00	3.24E+00	U
WG	01	399250001	6/8/2016	Zr-95	-7.58E-01	9.91E-01	3.08E+00	U
WG	01	406117001	9/14/2016	Ac-228	8.92E-01	4.92E+00	6.04E+00	U
WG	01	406117001	9/14/2016	Ag-108m	-2.24E-01	4.79E-01	1.56E+00	U
WG	01	406117001	9/14/2016	Ag-110m	-3.80E-01	7.69E-01	2.11E+00	U
WG	01	406117001	9/14/2016	Ba-140	1.31E+00	2.66E+00	8.85E+00	U
WG	01	406117001	9/14/2016	Be-7	1.61E+00	4.82E+00	1.60E+01	U
WG	01	406117001	9/14/2016	BETA	5.91E+00	1.31E+00	2.92E+00	
WG	01	406117001	9/14/2016	Bi-214	5.50E+00	3.57E+00	5.08E+00	UI
WG	01	406117001	9/14/2016	Ce-141	2.18E+00	1.17E+00	3.41E+00	U
WG	01	406117001	9/14/2016	Ce-144	-1.40E+01	6.10E+00	1.21E+01	U
WG	01	406117001	9/14/2016	Co-57	-5.91E-02	4.79E-01	1.65E+00	U
WG	01	406117001	9/14/2016	Co-58	-1.03E-01	5.22E-01	1.67E+00	U
WG	01	406117001	9/14/2016	Co-60	9.60E-01	5.82E-01	1.98E+00	U
WG	01	406117001	9/14/2016	Cr-51	-2.77E+00	5.03E+00	1.65E+01	U
WG	01	406117001	9/14/2016	Cs-134	9.54E-01	6.94E-01	1.93E+00	U
WG	01	406117001	9/14/2016	Cs-137	-1.33E-01	5.47E-01	1.76E+00	U
WG	01	406117001	9/14/2016	Fe-59	-8.78E-01	1.10E+00	3.28E+00	U
WG	01	406117001	9/14/2016	H-3	4.09E-01	1.99E+02	6.54E+02	U
WG	01	406117001	9/14/2016	I-131	9.38E-01	1.07E+00	3.58E+00	U
WG	01	406117001	9/14/2016	K-40	-5.89E+00	1.05E+01	2.66E+01	U
WG	01	406117001	9/14/2016	La-140	1.18E+00	1.04E+00	3.24E+00	U
WG	01	406117001	9/14/2016	Mn-54	-2.05E-01	5.01E-01	1.58E+00	U
WG	01	406117001	9/14/2016	Nb-95	-1.25E-01	5.87E-01	1.88E+00	U
WG	01	406117001	9/14/2016	Pb-212	-5.55E-01	1.57E+00	3.83E+00	U
WG	01	406117001	9/14/2016	Pb-214	3.57E+00	2.76E+00	3.84E+00	U
WG	01	406117001	9/14/2016	Ru-103	-9.06E-01	6.06E-01	1.78E+00	U
WG	01	406117001	9/14/2016	Ru-106	-1.62E+00	4.75E+00	1.53E+01	U
WG	01	406117001	9/14/2016	Sb-124	-3.07E-01	1.37E+00	4.49E+00	U
WG	01	406117001	9/14/2016	Sb-125	1.40E+00	1.52E+00	5.05E+00	U
WG	01	406117001	9/14/2016	Se-75	-8.65E-01	7.08E-01	2.23E+00	U
WG	01	406117001	9/14/2016	Th-228	-5.55E-01	1.57E+00	3.83E+00	U
WG	01	406117001	9/14/2016	Zn-65	1.73E+00	1.20E+00	3.57E+00	U
WG	01	406117001	9/14/2016	Zr-95	-1.93E+00	1.60E+00	3.02E+00	U
WG	01	412444001	12/7/2016	Ac-228	6.80E+00	2.56E+00	7.57E+00	U
WG	01	412444001	12/7/2016	Ag-108m	-3.28E-01	4.32E-01	1.35E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
WG	01	412444001	12/7/2016	Ag-110m	4.68E-01	7.78E-01	2.34E+00	U
WG	01	412444001	12/7/2016	Ba-140	4.71E-01	2.83E+00	9.16E+00	U
WG	01	412444001	12/7/2016	Be-7	-6.54E+00	5.24E+00	1.56E+01	U
WG	01	412444001	12/7/2016	BETA	6.75E+00	1.37E+00	2.70E+00	
WG	01	412444001	12/7/2016	Bi-214	7.32E+00	2.96E+00	3.40E+00	X(1)
WG	01	412444001	12/7/2016	Ce-141	-2.84E+00	1.25E+00	3.16E+00	U
WG	01	412444001	12/7/2016	Ce-144	-5.32E-01	3.58E+00	1.12E+01	U
WG	01	412444001	12/7/2016	Co-57	-1.04E-01	4.86E-01	1.53E+00	U
WG	01	412444001	12/7/2016	Co-58	-5.66E-01	5.16E-01	1.60E+00	U
WG	01	412444001	12/7/2016	Co-60	4.65E-02	5.62E-01	1.82E+00	U
WG	01	412444001	12/7/2016	Cr-51	-4.34E+00	5.23E+00	1.68E+01	U
WG	01	412444001	12/7/2016	Cs-134	6.97E-01	5.76E-01	1.95E+00	U
WG	01	412444001	12/7/2016	Cs-137	2.13E-01	5.67E-01	1.82E+00	U
WG	01	412444001	12/7/2016	Fe-59	-3.57E-01	9.91E-01	3.18E+00	U
WG	01	412444001	12/7/2016	H-3	9.51E+01	1.73E+02	5.51E+02	U
WG	01	412444001	12/7/2016	I-131	-9.63E-01	1.36E+00	3.49E+00	U
WG	01	412444001	12/7/2016	K-40	-2.74E+00	9.62E+00	2.22E+01	U
WG	01	412444001	12/7/2016	La-140	-1.21E+00	9.06E-01	2.65E+00	U
WG	01	412444001	12/7/2016	Mn-54	-1.05E-01	4.72E-01	1.57E+00	U
WG	01	412444001	12/7/2016	Nb-95	-5.51E-01	5.50E-01	1.74E+00	U
WG	01	412444001	12/7/2016	Pb-212	1.57E-01	2.66E+00	4.10E+00	U
WG	01	412444001	12/7/2016	Pb-214	0.00E+00	3.26E+00	4.91E+00	U
WG	01	412444001	12/7/2016	Ru-103	-4.27E-01	6.06E-01	1.67E+00	U
WG	01	412444001	12/7/2016	Ru-106	5.34E-01	4.86E+00	1.55E+01	U
WG	01	412444001	12/7/2016	Sb-124	1.97E+00	1.46E+00	4.52E+00	U
WG	01	412444001	12/7/2016	Sb-125	-1.27E+00	1.41E+00	4.36E+00	U
WG	01	412444001	12/7/2016	Se-75	6.30E-02	6.57E-01	2.22E+00	U
WG	01	412444001	12/7/2016	Th-228	1.57E-01	2.66E+00	4.10E+00	U
WG	01	412444001	12/7/2016	Zn-65	-2.29E+00	1.15E+00	2.95E+00	U
WG	01	412444001	12/7/2016	Zr-95	2.95E-01	9.14E-01	3.12E+00	U
WG	13	393520002	3/16/2016	Ac-228	-8.01E+00	4.67E+00	9.63E+00	U
WG	13	393520002	3/16/2016	Ag-108m	2.50E-01	5.83E-01	1.98E+00	U
WG	13	393520002	3/16/2016	Ag-110m	-1.29E+00	9.06E-01	2.74E+00	U
WG	13	393520002	3/16/2016	Ba-140	1.35E+00	3.22E+00	1.08E+01	U
WG	13	393520002	3/16/2016	Be-7	1.78E+00	5.74E+00	1.93E+01	U
WG	13	393520002	3/16/2016	BETA	8.55E-01	9.12E-01	2.72E+00	U
WG	13	393520002	3/16/2016	Bi-214	2.17E+01	3.30E+00	4.23E+00	X(1)
WG	13	393520002	3/16/2016	Ce-141	2.02E+00	1.31E+00	4.22E+00	U
WG	13	393520002	3/16/2016	Ce-144	1.29E+00	4.91E+00	1.56E+01	U
WG	13	393520002	3/16/2016	Co-57	2.11E-01	6.28E-01	2.00E+00	U
WG	13	393520002	3/16/2016	Co-58	7.34E-02	6.65E-01	2.16E+00	U
WG	13	393520002	3/16/2016	Co-60	8.99E-01	6.80E-01	2.23E+00	U
WG	13	393520002	3/16/2016	Cr-51	-5.18E+00	6.60E+00	2.08E+01	U
WG	13	393520002	3/16/2016	Cs-134	5.29E-01	7.36E-01	2.40E+00	U
WG	13	393520002	3/16/2016	Cs-137	-2.11E+00	1.21E+00	2.32E+00	U
WG	13	393520002	3/16/2016	Fe-59	-2.85E+00	1.53E+00	4.18E+00	U
WG	13	393520002	3/16/2016	H-3	2.63E+01	1.19E+02	3.87E+02	U
WG	13	393520002	3/16/2016	I-131	2.85E-01	1.34E+00	3.79E+00	U
WG	13	393520002	3/16/2016	K-40	2.70E+00	1.63E+01	2.08E+01	U
WG	13	393520002	3/16/2016	La-140	-2.97E-01	1.08E+00	3.54E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
WG	13	393520002	3/16/2016	Mn-54	6.63E-01	6.63E-01	2.14E+00	U
WG	13	393520002	3/16/2016	Nb-95	2.50E+00	1.33E+00	2.60E+00	U
WG	13	393520002	3/16/2016	Pb-212	3.27E+00	2.23E+00	4.53E+00	U
WG	13	393520002	3/16/2016	Pb-214	2.59E+01	3.61E+00	7.93E+00	X(1)
WG	13	393520002	3/16/2016	Ru-103	-8.61E-01	7.43E-01	2.33E+00	U
WG	13	393520002	3/16/2016	Ru-106	7.50E+00	6.12E+00	1.99E+01	U
WG	13	393520002	3/16/2016	Sb-124	4.94E-01	1.53E+00	5.15E+00	U
WG	13	393520002	3/16/2016	Sb-125	-1.63E+00	1.82E+00	5.91E+00	U
WG	13	393520002	3/16/2016	Se-75	4.28E-01	9.50E-01	3.13E+00	U
WG	13	393520002	3/16/2016	Th-228	3.27E+00	2.23E+00	4.53E+00	U
WG	13	393520002	3/16/2016	Zn-65	1.16E+00	1.48E+00	4.29E+00	U
WG	13	393520002	3/16/2016	Zr-95	1.82E+00	1.27E+00	4.06E+00	U
WG	13	399250002	6/8/2016	Ac-228	-3.83E+00	3.59E+00	6.26E+00	U
WG	13	399250002	6/8/2016	Ag-108m	3.29E-01	4.65E-01	1.28E+00	U
WG	13	399250002	6/8/2016	Ag-110m	-1.88E-02	6.83E-01	1.93E+00	U
WG	13	399250002	6/8/2016	Ba-140	-1.10E+00	3.30E+00	1.04E+01	U
WG	13	399250002	6/8/2016	Be-7	4.75E+00	4.86E+00	1.38E+01	U
WG	13	399250002	6/8/2016	BETA	1.95E+00	1.01E+00	2.74E+00	U
WG	13	399250002	6/8/2016	Bi-214	9.38E+00	2.50E+00	3.05E+00	X(1)
WG	13	399250002	6/8/2016	Ce-141	1.28E+00	1.56E+00	3.02E+00	U
WG	13	399250002	6/8/2016	Ce-144	-1.18E+00	3.31E+00	1.06E+01	U
WG	13	399250002	6/8/2016	Co-57	-8.02E-02	4.23E-01	1.36E+00	U
WG	13	399250002	6/8/2016	Co-58	-6.46E-01	5.87E-01	1.54E+00	U
WG	13	399250002	6/8/2016	Co-60	-4.66E-01	4.82E-01	1.50E+00	U
WG	13	399250002	6/8/2016	Cr-51	-2.31E+00	5.14E+00	1.68E+01	U
WG	13	399250002	6/8/2016	Cs-134	3.59E-01	4.87E-01	1.62E+00	U
WG	13	399250002	6/8/2016	Cs-137	5.46E-01	4.86E-01	1.58E+00	U
WG	13	399250002	6/8/2016	Fe-59	-6.16E-01	1.16E+00	3.27E+00	U
WG	13	399250002	6/8/2016	H-3	-6.63E+01	1.15E+02	3.86E+02	U
WG	13	399250002	6/8/2016	I-131	-3.12E-01	1.44E+00	4.70E+00	U
WG	13	399250002	6/8/2016	K-40	-5.70E+00	8.51E+00	2.02E+01	U
WG	13	399250002	6/8/2016	La-140	-7.05E-01	1.10E+00	3.46E+00	U
WG	13	399250002	6/8/2016	Mn-54	-7.56E-01	4.92E-01	1.43E+00	U
WG	13	399250002	6/8/2016	Nb-95	5.78E-01	5.49E-01	1.60E+00	U
WG	13	399250002	6/8/2016	Pb-212	3.46E+00	1.70E+00	2.68E+00	UI
WG	13	399250002	6/8/2016	Pb-214	1.04E+01	2.30E+00	3.44E+00	X(1)
WG	13	399250002	6/8/2016	Ru-103	-5.36E-01	6.26E-01	1.67E+00	U
WG	13	399250002	6/8/2016	Ru-106	1.91E+00	4.09E+00	1.38E+01	U
WG	13	399250002	6/8/2016	Sb-124	-1.87E+00	1.29E+00	3.66E+00	U
WG	13	399250002	6/8/2016	Sb-125	2.77E+00	1.52E+00	4.16E+00	U
WG	13	399250002	6/8/2016	Se-75	1.82E-01	6.40E-01	2.15E+00	U
WG	13	399250002	6/8/2016	Th-228	3.46E+00	1.70E+00	2.68E+00	UI
WG	13	399250002	6/8/2016	Zn-65	-1.28E+00	1.12E+00	2.79E+00	U
WG	13	399250002	6/8/2016	Zr-95	-2.91E-01	8.14E-01	2.66E+00	U
WG	13	406117002	9/14/2016	Ac-228	2.06E+00	5.58E+00	6.04E+00	U
WG	13	406117002	9/14/2016	Ag-108m	4.81E-02	5.04E-01	1.64E+00	U
WG	13	406117002	9/14/2016	Ag-110m	5.74E-01	7.67E-01	2.58E+00	U
WG	13	406117002	9/14/2016	Ba-140	1.27E+00	3.18E+00	1.03E+01	U
WG	13	406117002	9/14/2016	Be-7	3.62E+00	5.03E+00	1.64E+01	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS	
WG	13	406117002	9/14/2016	BETA	2.42E+00	1.00E+00	2.65E+00	U	
WG	13	406117002	9/14/2016	Bi-214	3.60E+00	2.86E+00	3.77E+00	U	
WG	13	406117002	9/14/2016	Ce-141	2.21E+00	1.27E+00	3.46E+00	U	
WG	13	406117002	9/14/2016	Ce-144	-3.76E+00	4.12E+00	1.24E+01	U	
WG	13	406117002	9/14/2016	Co-57	5.03E-01	5.54E-01	1.73E+00	U	
WG	13	406117002	9/14/2016	Co-58	-4.20E-01	7.10E-01	1.89E+00	U	
WG	13	406117002	9/14/2016	Co-60	-8.81E-01	6.18E-01	1.73E+00	U	
WG	13	406117002	9/14/2016	Cr-51	-5.15E+00	5.43E+00	1.72E+01	U	
WG	13	406117002	9/14/2016	Cs-134	-4.24E-03	6.03E-01	2.02E+00	U	
WG	13	406117002	9/14/2016	Cs-137	-1.32E+00	1.17E+00	1.97E+00	U	
WG	13	406117002	9/14/2016	Fe-59	1.25E+00	1.27E+00	3.76E+00	U	
WG	13	406117002	9/14/2016	H-3	-2.03E+02	1.88E+02	6.47E+02	U	
WG	13	406117002	9/14/2016	I-131	-8.71E-01	1.15E+00	3.67E+00	U	
WG	13	406117002	9/14/2016	K-40	2.04E+00	1.48E+01	1.78E+01	U	
WG	13	406117002	9/14/2016	La-140	-1.95E+00	1.02E+00	2.70E+00	U	
WG	13	406117002	9/14/2016	Mn-54	-5.18E-02	5.51E-01	1.84E+00	U	
WG	13	406117002	9/14/2016	Nb-95	2.20E+00	8.01E-01	2.11E+00	UI	M
WG	13	406117002	9/14/2016	Pb-212	1.60E+00	2.07E+00	3.70E+00	U	
WG	13	406117002	9/14/2016	Pb-214	2.46E+00	2.70E+00	5.18E+00	U	
WG	13	406117002	9/14/2016	Ru-103	-6.33E-01	6.34E-01	1.93E+00	U	
WG	13	406117002	9/14/2016	Ru-106	-5.96E-01	5.04E+00	1.59E+01	U	
WG	13	406117002	9/14/2016	Sb-124	1.33E+00	1.22E+00	4.19E+00	U	
WG	13	406117002	9/14/2016	Sb-125	1.03E+00	1.53E+00	5.01E+00	U	
WG	13	406117002	9/14/2016	Se-75	3.57E-01	7.27E-01	2.45E+00	U	
WG	13	406117002	9/14/2016	Th-228	1.60E+00	2.07E+00	3.70E+00	U	
WG	13	406117002	9/14/2016	Zn-65	-2.24E+00	1.59E+00	3.77E+00	U	
WG	13	406117002	9/14/2016	Zr-95	5.29E-02	1.00E+00	3.38E+00	U	
WG	13	412444002	12/7/2016	Ac-228	2.99E+00	4.39E+00	6.02E+00	U	
WG	13	412444002	12/7/2016	Ag-108m	7.81E-01	3.84E-01	1.24E+00	U	
WG	13	412444002	12/7/2016	Ag-110m	-2.38E-01	5.72E-01	1.81E+00	U	
WG	13	412444002	12/7/2016	Ba-140	4.05E+00	2.36E+00	7.77E+00	U	
WG	13	412444002	12/7/2016	Be-7	2.78E-01	3.45E+00	1.18E+01	U	
WG	13	412444002	12/7/2016	BETA	-1.89E+00	9.01E-01	3.33E+00	U	
WG	13	412444002	12/7/2016	Bi-214	1.67E+00	2.25E+00	3.71E+00	U	
WG	13	412444002	12/7/2016	Ce-141	2.43E-01	7.66E-01	2.37E+00	U	
WG	13	412444002	12/7/2016	Ce-144	-4.03E+00	2.77E+00	8.40E+00	U	
WG	13	412444002	12/7/2016	Co-57	-3.74E-01	5.29E-01	1.17E+00	U	
WG	13	412444002	12/7/2016	Co-58	6.19E-01	5.10E-01	1.44E+00	U	
WG	13	412444002	12/7/2016	Co-60	1.92E-01	4.15E-01	1.42E+00	U	
WG	13	412444002	12/7/2016	Cr-51	-1.15E+00	4.02E+00	1.25E+01	U	
WG	13	412444002	12/7/2016	Cs-134	-1.06E-01	4.47E-01	1.44E+00	U	
WG	13	412444002	12/7/2016	Cs-137	-4.50E-01	4.37E-01	1.35E+00	U	
WG	13	412444002	12/7/2016	Fe-59	-1.01E+00	9.42E-01	2.71E+00	U	
WG	13	412444002	12/7/2016	H-3	8.80E+01	1.68E+02	5.39E+02	U	
WG	13	412444002	12/7/2016	I-131	-4.70E-01	8.75E-01	2.66E+00	U	
WG	13	412444002	12/7/2016	K-40	-3.09E+01	1.09E+01	1.89E+01	U	
WG	13	412444002	12/7/2016	La-140	3.83E-01	7.34E-01	2.49E+00	U	
WG	13	412444002	12/7/2016	Mn-54	-2.72E-01	3.68E-01	1.13E+00	U	
WG	13	412444002	12/7/2016	Nb-95	1.21E+00	5.13E-01	1.57E+00	U	
WG	13	412444002	12/7/2016	Pb-212	2.96E-01	1.15E+00	2.65E+00	U	

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
WG	13	412444002	12/7/2016	Pb-214	-1.03E+00	1.39E+00	3.42E+00	U
WG	13	412444002	12/7/2016	Ru-103	4.12E-01	4.63E-01	1.44E+00	U
WG	13	412444002	12/7/2016	Ru-106	1.16E+00	3.72E+00	1.25E+01	U
WG	13	412444002	12/7/2016	Sb-124	-3.45E-01	9.58E-01	2.63E+00	U
WG	13	412444002	12/7/2016	Sb-125	2.32E-01	1.05E+00	3.60E+00	U
WG	13	412444002	12/7/2016	Se-75	2.08E-04	5.74E-01	1.84E+00	U
WG	13	412444002	12/7/2016	Th-228	2.96E-01	1.15E+00	2.65E+00	U
WG	13	412444002	12/7/2016	Zn-65	-1.41E-01	7.99E-01	2.50E+00	U
WG	13	412444002	12/7/2016	Zr-95	5.24E-01	8.41E-01	2.53E+00	U
WG	14	393520003	3/16/2016	Ac-228	-3.22E+00	5.98E+00	1.08E+01	U
WG	14	393520003	3/16/2016	Ag-108m	-1.04E-01	7.14E-01	2.39E+00	U
WG	14	393520003	3/16/2016	Ag-110m	9.33E-01	1.02E+00	3.37E+00	U
WG	14	393520003	3/16/2016	Ba-140	-1.32E+00	4.28E+00	1.21E+01	U
WG	14	393520003	3/16/2016	Be-7	-3.81E+00	7.86E+00	2.24E+01	U
WG	14	393520003	3/16/2016	BETA	6.36E+00	1.44E+00	3.68E+00	
WG	14	393520003	3/16/2016	Bi-214	3.49E+02	1.69E+01	4.85E+00	X(1)
WG	14	393520003	3/16/2016	Ce-141	1.54E+00	1.71E+00	5.50E+00	U
WG	14	393520003	3/16/2016	Ce-144	6.02E+00	6.11E+00	2.02E+01	U
WG	14	393520003	3/16/2016	Co-57	-2.91E-01	7.66E-01	2.59E+00	U
WG	14	393520003	3/16/2016	Co-58	-2.67E-01	8.27E-01	2.36E+00	U
WG	14	393520003	3/16/2016	Co-60	-8.40E-02	7.67E-01	2.56E+00	U
WG	14	393520003	3/16/2016	Cr-51	-1.30E+00	7.93E+00	2.55E+01	U
WG	14	393520003	3/16/2016	Cs-134	1.36E+00	8.58E-01	2.65E+00	U
WG	14	393520003	3/16/2016	Cs-137	3.22E-01	8.71E-01	2.46E+00	U
WG	14	393520003	3/16/2016	Fe-59	1.57E+00	1.55E+00	5.06E+00	U
WG	14	393520003	3/16/2016	H-3	-2.32E+01	1.17E+02	3.86E+02	U
WG	14	393520003	3/16/2016	I-131	1.53E+00	1.62E+00	4.49E+00	U
WG	14	393520003	3/16/2016	K-40	0.00E+00	2.01E+01	2.46E+01	U
WG	14	393520003	3/16/2016	La-140	4.66E-01	1.27E+00	4.21E+00	U
WG	14	393520003	3/16/2016	Mn-54	-5.62E-01	8.39E-01	2.35E+00	U
WG	14	393520003	3/16/2016	Nb-95	0.00E+00	3.07E+00	3.62E+00	U
WG	14	393520003	3/16/2016	Pb-212	3.34E+00	2.51E+00	5.13E+00	U
WG	14	393520003	3/16/2016	Pb-214	3.85E+02	1.76E+01	6.10E+00	X(1)
WG	14	393520003	3/16/2016	Ru-103	1.16E+00	1.18E+00	2.29E+00	U
WG	14	393520003	3/16/2016	Ru-106	3.65E+00	6.52E+00	2.14E+01	U
WG	14	393520003	3/16/2016	Sb-124	1.02E+00	1.92E+00	5.85E+00	U
WG	14	393520003	3/16/2016	Sb-125	-1.28E+00	2.26E+00	7.47E+00	U
WG	14	393520003	3/16/2016	Se-75	-2.33E+00	1.61E+00	3.92E+00	U
WG	14	393520003	3/16/2016	Th-228	3.34E+00	2.51E+00	5.13E+00	U
WG	14	393520003	3/16/2016	Zn-65	0.00E+00	2.39E+00	5.80E+00	U
WG	14	393520003	3/16/2016	Zr-95	-5.39E-01	1.51E+00	4.12E+00	U
WG	14	399250003	6/8/2016	Ac-228	-2.41E+00	3.39E+00	6.95E+00	U
WG	14	399250003	6/8/2016	Ag-108m	2.92E-01	7.51E-01	1.48E+00	U
WG	14	399250003	6/8/2016	Ag-110m	7.58E-02	6.67E-01	2.18E+00	U
WG	14	399250003	6/8/2016	Ba-140	-3.57E+00	4.06E+00	1.08E+01	U
WG	14	399250003	6/8/2016	Be-7	-1.32E+00	4.76E+00	1.53E+01	U
WG	14	399250003	6/8/2016	BETA	4.89E+00	1.25E+00	2.66E+00	
WG	14	399250003	6/8/2016	Bi-214	6.99E+01	4.13E+00	3.11E+00	X(1)
WG	14	399250003	6/8/2016	Ce-141	-1.37E+00	1.66E+00	3.66E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS	
WG	14	399250003	6/8/2016	Ce-144	-8.13E-01	3.60E+00	1.17E+01	U	
WG	14	399250003	6/8/2016	Co-57	4.38E-02	4.86E-01	1.59E+00	U	
WG	14	399250003	6/8/2016	Co-58	-8.35E-01	5.64E-01	1.66E+00	U	
WG	14	399250003	6/8/2016	Co-60	-5.39E-01	5.34E-01	1.65E+00	U	
WG	14	399250003	6/8/2016	Cr-51	-5.90E+00	5.87E+00	1.86E+01	U	
WG	14	399250003	6/8/2016	Cs-134	9.76E-01	5.89E-01	1.86E+00	U	
WG	14	399250003	6/8/2016	Cs-137	2.25E-01	5.35E-01	1.56E+00	U	
WG	14	399250003	6/8/2016	Fe-59	-4.75E-01	1.01E+00	3.32E+00	U	
WG	14	399250003	6/8/2016	H-3	-6.63E+01	1.15E+02	3.86E+02	U	
WG	14	399250003	6/8/2016	I-131	9.00E-01	1.58E+00	5.20E+00	U	
WG	14	399250003	6/8/2016	K-40	-3.88E+00	9.36E+00	2.25E+01	U	
WG	14	399250003	6/8/2016	La-140	2.24E-01	1.27E+00	3.55E+00	U	
WG	14	399250003	6/8/2016	Mn-54	-1.03E+00	5.34E-01	1.47E+00	U	
WG	14	399250003	6/8/2016	Nb-95	2.12E+00	7.89E-01	1.94E+00	UI	M
WG	14	399250003	6/8/2016	Pb-212	4.47E-01	1.62E+00	3.08E+00	U	
WG	14	399250003	6/8/2016	Pb-214	7.45E+01	4.69E+00	3.86E+00	X(1)	
WG	14	399250003	6/8/2016	Ru-103	1.70E+00	9.68E-01	1.95E+00	U	
WG	14	399250003	6/8/2016	Ru-106	1.18E+01	6.07E+00	1.43E+01	U	
WG	14	399250003	6/8/2016	Sb-124	-3.44E-01	1.45E+00	4.09E+00	U	
WG	14	399250003	6/8/2016	Sb-125	2.16E+00	1.55E+00	4.88E+00	U	
WG	14	399250003	6/8/2016	Se-75	-3.59E-01	7.34E-01	2.43E+00	U	
WG	14	399250003	6/8/2016	Th-228	4.47E-01	1.62E+00	3.08E+00	U	
WG	14	399250003	6/8/2016	Zn-65	1.90E+00	1.25E+00	3.57E+00	U	
WG	14	399250003	6/8/2016	Zr-95	1.51E+00	9.69E-01	3.10E+00	U	
WG	14	406117003	9/14/2016	Ac-228	-2.59E+00	3.44E+00	7.39E+00	U	
WG	14	406117003	9/14/2016	Ag-108m	5.24E-01	4.53E-01	1.52E+00	U	
WG	14	406117003	9/14/2016	Ag-110m	5.02E-01	7.45E-01	2.41E+00	U	
WG	14	406117003	9/14/2016	Ba-140	6.28E-01	2.69E+00	8.97E+00	U	
WG	14	406117003	9/14/2016	Be-7	-1.08E+00	4.22E+00	1.40E+01	U	
WG	14	406117003	9/14/2016	BETA	3.02E+00	1.15E+00	3.27E+00	U	
WG	14	406117003	9/14/2016	Bi-214	2.75E+01	2.88E+00	3.23E+00	X(1)	
WG	14	406117003	9/14/2016	Ce-141	2.13E+00	1.53E+00	2.75E+00	U	
WG	14	406117003	9/14/2016	Ce-144	7.84E-01	3.28E+00	1.07E+01	U	
WG	14	406117003	9/14/2016	Co-57	4.59E-01	6.50E-01	1.36E+00	U	
WG	14	406117003	9/14/2016	Co-58	1.39E-01	5.53E-01	1.79E+00	U	
WG	14	406117003	9/14/2016	Co-60	7.02E-02	5.51E-01	1.84E+00	U	
WG	14	406117003	9/14/2016	Cr-51	-2.31E+00	4.64E+00	1.56E+01	U	
WG	14	406117003	9/14/2016	Cs-134	-1.99E-01	5.11E-01	1.60E+00	U	
WG	14	406117003	9/14/2016	Cs-137	-6.32E-01	5.54E-01	1.66E+00	U	
WG	14	406117003	9/14/2016	Fe-59	-1.28E+00	1.06E+00	3.21E+00	U	
WG	14	406117003	9/14/2016	H-3	1.70E+01	1.95E+02	6.40E+02	U	
WG	14	406117003	9/14/2016	I-131	-5.37E-01	9.37E-01	3.11E+00	U	
WG	14	406117003	9/14/2016	K-40	8.69E+00	1.31E+01	1.48E+01	U	
WG	14	406117003	9/14/2016	La-140	-1.93E+00	1.05E+00	2.69E+00	U	
WG	14	406117003	9/14/2016	Mn-54	-3.36E-01	5.41E-01	1.46E+00	U	
WG	14	406117003	9/14/2016	Nb-95	2.02E-01	5.80E-01	1.69E+00	U	
WG	14	406117003	9/14/2016	Pb-212	-1.12E+00	1.51E+00	3.56E+00	U	
WG	14	406117003	9/14/2016	Pb-214	3.07E+01	3.20E+00	7.43E+00	X(1)	
WG	14	406117003	9/14/2016	Ru-103	-1.20E+00	5.93E-01	1.61E+00	U	
WG	14	406117003	9/14/2016	Ru-106	-5.56E+00	4.62E+00	1.38E+01	U	

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
WG	14	406117003	9/14/2016	Sb-124	-1.51E-01	1.30E+00	3.64E+00	U
WG	14	406117003	9/14/2016	Sb-125	-4.54E-02	1.35E+00	4.54E+00	U
WG	14	406117003	9/14/2016	Se-75	-1.06E-01	7.00E-01	2.18E+00	U
WG	14	406117003	9/14/2016	Th-228	-1.12E+00	1.51E+00	3.56E+00	U
WG	14	406117003	9/14/2016	Zn-65	5.59E-01	1.04E+00	3.17E+00	U
WG	14	406117003	9/14/2016	Zr-95	9.42E-02	9.30E-01	3.01E+00	U
WG	14	412444003	12/7/2016	Ac-228	0.00E+00	5.75E+00	5.65E+00	U
WG	14	412444003	12/7/2016	Ag-108m	-1.38E+00	5.82E-01	1.54E+00	U
WG	14	412444003	12/7/2016	Ag-110m	9.37E-01	7.70E-01	2.47E+00	U
WG	14	412444003	12/7/2016	Ba-140	-6.88E-01	2.88E+00	9.50E+00	U
WG	14	412444003	12/7/2016	Be-7	1.37E+00	4.90E+00	1.65E+01	U
WG	14	412444003	12/7/2016	BETA	2.43E+00	1.01E+00	2.69E+00	U
WG	14	412444003	12/7/2016	Bi-214	1.92E+02	6.04E+00	3.62E+00	X(1)
WG	14	412444003	12/7/2016	Ce-141	-1.96E+00	1.21E+00	3.59E+00	U
WG	14	412444003	12/7/2016	Ce-144	-4.52E-01	4.03E+00	1.32E+01	U
WG	14	412444003	12/7/2016	Co-57	7.65E-01	7.11E-01	1.71E+00	U
WG	14	412444003	12/7/2016	Co-58	4.67E-02	5.64E-01	1.63E+00	U
WG	14	412444003	12/7/2016	Co-60	-6.01E-01	1.04E+00	1.92E+00	U
WG	14	412444003	12/7/2016	Cr-51	-3.03E+00	5.32E+00	1.80E+01	U
WG	14	412444003	12/7/2016	Cs-134	5.49E-01	5.98E-01	1.95E+00	U
WG	14	412444003	12/7/2016	Cs-137	3.59E-01	1.40E+00	1.72E+00	U
WG	14	412444003	12/7/2016	Fe-59	3.79E-01	1.11E+00	3.76E+00	U
WG	14	412444003	12/7/2016	H-3	2.71E+02	1.81E+02	5.43E+02	U
WG	14	412444003	12/7/2016	I-131	-2.41E+00	1.65E+00	3.55E+00	U
WG	14	412444003	12/7/2016	K-40	-1.40E+01	9.44E+00	2.39E+01	U
WG	14	412444003	12/7/2016	La-140	-1.15E+00	1.01E+00	3.02E+00	U
WG	14	412444003	12/7/2016	Mn-54	-5.92E-01	6.59E-01	1.77E+00	U
WG	14	412444003	12/7/2016	Nb-95	0.00E+00	9.04E-01	2.25E+00	U
WG	14	412444003	12/7/2016	Pb-212	2.78E+00	2.07E+00	3.37E+00	U
WG	14	412444003	12/7/2016	Pb-214	2.10E+02	6.46E+00	4.06E+00	X(1)
WG	14	412444003	12/7/2016	Ru-103	-1.46E+00	6.87E-01	1.89E+00	U
WG	14	412444003	12/7/2016	Ru-106	-3.38E+00	4.82E+00	1.53E+01	U
WG	14	412444003	12/7/2016	Sb-124	9.36E-01	1.28E+00	4.28E+00	U
WG	14	412444003	12/7/2016	Sb-125	-1.50E+00	1.55E+00	5.00E+00	U
WG	14	412444003	12/7/2016	Se-75	4.76E-02	8.06E-01	2.54E+00	U
WG	14	412444003	12/7/2016	Th-228	2.78E+00	2.07E+00	3.37E+00	U
WG	14	412444003	12/7/2016	Zn-65	-1.61E+00	1.22E+00	3.20E+00	U
WG	14	412444003	12/7/2016	Zr-95	1.19E+00	1.02E+00	3.31E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
WS	01	389977001	1/21/2016	Ac-228	6.62E-03	3.50E+00	5.94E+00	U
WS	01	389977001	1/21/2016	Ag-108m	-2.25E-01	4.76E-01	1.51E+00	U
WS	01	389977001	1/21/2016	Ag-110m	-8.25E-01	6.68E-01	1.52E+00	U
WS	01	389977001	1/21/2016	Ba-140	3.31E+00	3.65E+00	8.67E+00	U
WS	01	389977001	1/21/2016	Be-7	-2.55E+00	4.77E+00	1.50E+01	U
WS	01	389977001	1/21/2016	Bi-214	-4.24E+00	2.39E+00	4.06E+00	U
WS	01	389977001	1/21/2016	Ce-141	6.43E-01	9.29E-01	2.95E+00	U
WS	01	389977001	1/21/2016	Ce-144	-1.12E+00	3.48E+00	1.10E+01	U
WS	01	389977001	1/21/2016	Co-57	2.89E-01	4.68E-01	1.50E+00	U
WS	01	389977001	1/21/2016	Co-58	3.17E-01	5.75E-01	1.65E+00	U
WS	01	389977001	1/21/2016	Co-60	-2.60E-01	5.25E-01	1.68E+00	U
WS	01	389977001	1/21/2016	Cr-51	-4.50E+00	5.02E+00	1.58E+01	U
WS	01	389977001	1/21/2016	Cs-134	7.91E-01	6.13E-01	1.93E+00	U
WS	01	389977001	1/21/2016	Cs-137	3.40E-01	5.25E-01	1.75E+00	U
WS	01	389977001	1/21/2016	Fe-59	9.88E-01	1.09E+00	3.64E+00	U
WS	01	389977001	1/21/2016	I-131	-8.96E-01	1.04E+00	2.82E+00	U
WS	01	389977001	1/21/2016	K-40	3.23E+02	2.28E+01	1.68E+01	
WS	01	389977001	1/21/2016	La-140	1.52E-01	8.20E-01	2.68E+00	U
WS	01	389977001	1/21/2016	Mn-54	-3.95E-01	5.46E-01	1.72E+00	U
WS	01	389977001	1/21/2016	Nb-95	1.54E-01	5.16E-01	1.70E+00	U
WS	01	389977001	1/21/2016	Pb-212	-1.77E+00	1.74E+00	3.35E+00	U
WS	01	389977001	1/21/2016	Pb-214	-2.17E+00	1.98E+00	4.08E+00	U
WS	01	389977001	1/21/2016	Ru-103	-1.02E+00	6.03E-01	1.80E+00	U
WS	01	389977001	1/21/2016	Ru-106	1.19E+00	4.62E+00	1.54E+01	U
WS	01	389977001	1/21/2016	Sb-124	1.09E+00	1.19E+00	4.04E+00	U
WS	01	389977001	1/21/2016	Sb-125	-1.90E+00	1.49E+00	4.45E+00	U
WS	01	389977001	1/21/2016	Se-75	-3.77E-01	6.90E-01	2.25E+00	U
WS	01	389977001	1/21/2016	Th-228	-1.77E+00	1.74E+00	3.35E+00	U
WS	01	389977001	1/21/2016	Zn-65	-7.72E-01	1.14E+00	3.65E+00	U
WS	01	389977001	1/21/2016	Zr-95	-2.30E-01	9.20E-01	2.99E+00	U
WS	01	391782001	2/17/2016	Ac-228	3.83E+00	4.26E+00	8.90E+00	U
WS	01	391782001	2/17/2016	Ag-108m	8.68E-01	6.09E-01	1.82E+00	U
WS	01	391782001	2/17/2016	Ag-110m	-4.00E-01	7.79E-01	2.49E+00	U
WS	01	391782001	2/17/2016	Ba-140	-3.12E+00	2.93E+00	8.78E+00	U
WS	01	391782001	2/17/2016	Be-7	-3.53E+00	5.06E+00	1.58E+01	U
WS	01	391782001	2/17/2016	Bi-214	-1.52E+00	1.91E+00	4.65E+00	U
WS	01	391782001	2/17/2016	Ce-141	2.24E+00	1.28E+00	3.23E+00	U
WS	01	391782001	2/17/2016	Ce-144	-1.42E-01	4.25E+00	1.22E+01	U
WS	01	391782001	2/17/2016	Co-57	-1.11E-01	5.18E-01	1.67E+00	U
WS	01	391782001	2/17/2016	Co-58	-4.96E-01	5.66E-01	1.77E+00	U
WS	01	391782001	2/17/2016	Co-60	-5.19E-01	6.33E-01	1.99E+00	U
WS	01	391782001	2/17/2016	Cr-51	1.56E+00	5.53E+00	1.84E+01	U
WS	01	391782001	2/17/2016	Cs-134	2.13E-01	6.43E-01	1.96E+00	U
WS	01	391782001	2/17/2016	Cs-137	-9.77E-01	6.41E-01	1.91E+00	U
WS	01	391782001	2/17/2016	Fe-59	1.40E+00	1.30E+00	4.25E+00	U
WS	01	391782001	2/17/2016	I-131	-3.91E-01	9.71E-01	3.16E+00	U
WS	01	391782001	2/17/2016	K-40	3.56E+02	2.63E+01	2.00E+01	
WS	01	391782001	2/17/2016	La-140	-1.51E+00	1.05E+00	2.98E+00	U
WS	01	391782001	2/17/2016	Mn-54	-9.74E-01	6.47E-01	1.89E+00	U
WS	01	391782001	2/17/2016	Nb-95	3.29E-01	5.87E-01	1.97E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
WS	01	391782001	2/17/2016	Pb-212	9.03E-04	1.92E+00	4.21E+00	U
WS	01	391782001	2/17/2016	Pb-214	2.73E-01	2.00E+00	4.99E+00	U
WS	01	391782001	2/17/2016	Ru-103	-1.32E-01	6.43E-01	2.07E+00	U
WS	01	391782001	2/17/2016	Ru-106	3.55E+00	6.35E+00	1.89E+01	U
WS	01	391782001	2/17/2016	Sb-124	-2.63E-01	1.47E+00	4.75E+00	U
WS	01	391782001	2/17/2016	Sb-125	3.48E-02	1.80E+00	5.15E+00	U
WS	01	391782001	2/17/2016	Se-75	1.45E-03	8.15E-01	2.74E+00	U
WS	01	391782001	2/17/2016	Th-228	9.03E-04	1.92E+00	4.21E+00	U
WS	01	391782001	2/17/2016	Zn-65	3.45E-01	1.40E+00	3.94E+00	U
WS	01	391782001	2/17/2016	Zr-95	6.41E-01	9.98E-01	3.36E+00	U
WS	01	393817001	3/21/2016	Ac-228	-2.07E+00	3.64E+00	8.53E+00	U
WS	01	393817001	3/21/2016	Ag-108m	-5.12E-03	5.11E-01	1.73E+00	U
WS	01	393817001	3/21/2016	Ag-110m	1.25E+00	7.96E-01	2.58E+00	U
WS	01	393817001	3/21/2016	Ba-140	-9.84E-01	2.93E+00	9.65E+00	U
WS	01	393817001	3/21/2016	Be-7	2.11E-02	4.97E+00	1.67E+01	U
WS	01	393817001	3/21/2016	Bi-214	1.93E+00	2.40E+00	3.39E+00	U
WS	01	393817001	3/21/2016	Ce-141	2.44E+00	1.19E+00	3.62E+00	U
WS	01	393817001	3/21/2016	Ce-144	2.43E+00	4.10E+00	1.29E+01	U
WS	01	393817001	3/21/2016	Co-57	2.93E-01	5.33E-01	1.69E+00	U
WS	01	393817001	3/21/2016	Co-58	-5.87E-02	5.43E-01	1.75E+00	U
WS	01	393817001	3/21/2016	Co-60	4.04E-01	5.97E-01	1.96E+00	U
WS	01	393817001	3/21/2016	Cr-51	4.17E-01	5.55E+00	1.81E+01	U
WS	01	393817001	3/21/2016	Cs-134	0.00E+00	9.36E-01	2.12E+00	U
WS	01	393817001	3/21/2016	Cs-137	1.29E+00	6.76E-01	2.08E+00	U
WS	01	393817001	3/21/2016	Fe-59	1.02E+00	1.16E+00	3.85E+00	U
WS	01	393817001	3/21/2016	I-131	-1.46E+00	1.17E+00	3.53E+00	U
WS	01	393817001	3/21/2016	K-40	3.01E+02	2.28E+01	1.60E+01	
WS	01	393817001	3/21/2016	La-140	-2.28E+00	1.06E+00	2.77E+00	U
WS	01	393817001	3/21/2016	Mn-54	6.47E-01	5.92E-01	1.90E+00	U
WS	01	393817001	3/21/2016	Nb-95	1.60E+00	6.98E-01	2.03E+00	U
WS	01	393817001	3/21/2016	Pb-212	2.57E+00	1.84E+00	3.70E+00	U
WS	01	393817001	3/21/2016	Pb-214	-1.94E+00	2.50E+00	4.83E+00	U
WS	01	393817001	3/21/2016	Ru-103	-9.33E-01	6.43E-01	1.97E+00	U
WS	01	393817001	3/21/2016	Ru-106	-1.27E+00	5.10E+00	1.67E+01	U
WS	01	393817001	3/21/2016	Sb-124	-1.93E+00	1.53E+00	3.80E+00	U
WS	01	393817001	3/21/2016	Sb-125	-9.13E-01	1.55E+00	5.12E+00	U
WS	01	393817001	3/21/2016	Se-75	-1.96E-01	7.77E-01	2.54E+00	U
WS	01	393817001	3/21/2016	Th-228	2.57E+00	1.84E+00	3.70E+00	U
WS	01	393817001	3/21/2016	Zn-65	7.57E-01	1.39E+00	4.00E+00	U
WS	01	393817001	3/21/2016	Zr-95	-4.13E-01	9.87E-01	3.16E+00	U
WS	01	396420001	3/21/2016	H-3	3.02E+02	4.29E+02	1.36E+03	U
WS	01	395509001	4/12/2016	Ac-228	-2.85E+00	3.05E+00	6.91E+00	U
WS	01	395509001	4/12/2016	Ag-108m	-4.45E-01	4.53E-01	1.43E+00	U
WS	01	395509001	4/12/2016	Ag-110m	-3.29E-01	8.01E-01	2.25E+00	U
WS	01	395509001	4/12/2016	Ba-140	-1.51E+00	2.60E+00	8.29E+00	U
WS	01	395509001	4/12/2016	Be-7	4.59E+00	6.41E+00	1.51E+01	U
WS	01	395509001	4/12/2016	Bi-214	-3.53E-01	1.51E+00	3.89E+00	U
WS	01	395509001	4/12/2016	Ce-141	-1.05E+00	1.02E+00	2.90E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
WS	01	395509001	4/12/2016	Ce-144	-1.09E+00	3.29E+00	1.10E+01	U
WS	01	395509001	4/12/2016	Co-57	1.04E-01	4.23E-01	1.43E+00	U
WS	01	395509001	4/12/2016	Co-58	-1.51E-01	4.83E-01	1.59E+00	U
WS	01	395509001	4/12/2016	Co-60	3.82E-02	6.18E-01	1.79E+00	U
WS	01	395509001	4/12/2016	Cr-51	2.34E+00	4.82E+00	1.64E+01	U
WS	01	395509001	4/12/2016	Cs-134	-1.71E+00	1.06E+00	1.87E+00	U
WS	01	395509001	4/12/2016	Cs-137	-1.86E+00	9.49E-01	1.67E+00	U
WS	01	395509001	4/12/2016	Fe-59	8.23E-01	1.07E+00	3.55E+00	U
WS	01	395509001	4/12/2016	I-131	8.19E-02	8.93E-01	3.02E+00	U
WS	01	395509001	4/12/2016	K-40	3.43E+02	2.38E+01	1.50E+01	
WS	01	395509001	4/12/2016	La-140	-1.09E+00	9.02E-01	2.40E+00	U
WS	01	395509001	4/12/2016	Mn-54	-7.44E-02	5.01E-01	1.66E+00	U
WS	01	395509001	4/12/2016	Nb-95	-3.01E-02	5.00E-01	1.68E+00	U
WS	01	395509001	4/12/2016	Pb-212	1.05E+00	1.54E+00	3.48E+00	U
WS	01	395509001	4/12/2016	Pb-214	-1.25E+00	1.88E+00	4.18E+00	U
WS	01	395509001	4/12/2016	Ru-103	6.09E-02	5.50E-01	1.82E+00	U
WS	01	395509001	4/12/2016	Ru-106	2.32E+00	4.62E+00	1.51E+01	U
WS	01	395509001	4/12/2016	Sb-124	-3.73E-01	1.25E+00	4.02E+00	U
WS	01	395509001	4/12/2016	Sb-125	6.00E-01	1.39E+00	4.64E+00	U
WS	01	395509001	4/12/2016	Se-75	7.40E-02	7.07E-01	2.27E+00	U
WS	01	395509001	4/12/2016	Th-228	1.05E+00	1.54E+00	3.48E+00	U
WS	01	395509001	4/12/2016	Zn-65	1.10E+00	1.24E+00	4.06E+00	U
WS	01	395509001	4/12/2016	Zr-95	1.54E+00	9.94E-01	3.28E+00	U
WS	01	397957001	5/17/2016	Ac-228	-2.80E-01	3.35E+00	8.41E+00	U
WS	01	397957001	5/17/2016	Ag-108m	-4.75E-01	6.02E-01	1.65E+00	U
WS	01	397957001	5/17/2016	Ag-110m	-4.81E-01	7.30E-01	2.37E+00	U
WS	01	397957001	5/17/2016	Ba-140	-1.56E-01	2.99E+00	9.78E+00	U
WS	01	397957001	5/17/2016	Be-7	-2.84E+00	5.14E+00	1.66E+01	U
WS	01	397957001	5/17/2016	Bi-214	-2.73E+00	2.37E+00	4.30E+00	U
WS	01	397957001	5/17/2016	Ce-141	2.44E+00	1.37E+00	3.64E+00	U
WS	01	397957001	5/17/2016	Ce-144	5.46E-01	5.78E+00	1.40E+01	U
WS	01	397957001	5/17/2016	Co-57	-2.20E-01	5.71E-01	1.83E+00	U
WS	01	397957001	5/17/2016	Co-58	-3.50E-01	5.99E-01	1.87E+00	U
WS	01	397957001	5/17/2016	Co-60	-5.91E-01	5.88E-01	1.81E+00	U
WS	01	397957001	5/17/2016	Cr-51	-4.04E+00	5.71E+00	1.85E+01	U
WS	01	397957001	5/17/2016	Cs-134	-4.23E-01	6.60E-01	2.06E+00	U
WS	01	397957001	5/17/2016	Cs-137	1.05E+00	7.07E-01	2.06E+00	U
WS	01	397957001	5/17/2016	Fe-59	-2.26E-02	1.21E+00	4.02E+00	U
WS	01	397957001	5/17/2016	I-131	-1.36E-01	1.16E+00	3.82E+00	U
WS	01	397957001	5/17/2016	K-40	3.02E+02	2.22E+01	1.65E+01	
WS	01	397957001	5/17/2016	La-140	6.56E-01	9.79E-01	3.25E+00	U
WS	01	397957001	5/17/2016	Mn-54	-1.04E+00	9.00E-01	1.87E+00	U
WS	01	397957001	5/17/2016	Nb-95	-5.70E-02	5.81E-01	1.87E+00	U
WS	01	397957001	5/17/2016	Pb-212	7.00E-01	1.84E+00	3.94E+00	U
WS	01	397957001	5/17/2016	Pb-214	3.85E-01	2.63E+00	4.60E+00	U
WS	01	397957001	5/17/2016	Ru-103	-2.20E-01	6.26E-01	2.03E+00	U
WS	01	397957001	5/17/2016	Ru-106	9.51E-02	5.44E+00	1.77E+01	U
WS	01	397957001	5/17/2016	Sb-124	-2.49E+00	1.45E+00	3.90E+00	U
WS	01	397957001	5/17/2016	Sb-125	-1.16E+00	1.63E+00	5.23E+00	U
WS	01	397957001	5/17/2016	Se-75	-1.85E-01	7.42E-01	2.47E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
WS	01	397957001	5/17/2016	Th-228	7.00E-01	1.84E+00	3.94E+00	U
WS	01	397957001	5/17/2016	Zn-65	-1.38E+00	1.25E+00	3.86E+00	U
WS	01	397957001	5/17/2016	Zr-95	8.02E-01	1.09E+00	3.54E+00	U
WS	01	399679001	6/13/2016	Ac-228	1.01E+00	3.87E+00	8.34E+00	U
WS	01	399679001	6/13/2016	Ag-108m	-2.39E-01	4.95E-01	1.65E+00	U
WS	01	399679001	6/13/2016	Ag-110m	1.13E+00	8.24E-01	2.71E+00	U
WS	01	399679001	6/13/2016	Ba-140	3.20E+00	4.29E+00	1.43E+01	U
WS	01	399679001	6/13/2016	Be-7	1.01E+00	5.49E+00	1.85E+01	U
WS	01	399679001	6/13/2016	Bi-214	3.83E+00	3.09E+00	4.89E+00	U
WS	01	399679001	6/13/2016	Ce-141	1.75E+00	1.40E+00	4.09E+00	U
WS	01	399679001	6/13/2016	Ce-144	-3.25E+00	4.19E+00	1.29E+01	U
WS	01	399679001	6/13/2016	Co-57	4.12E-01	5.43E-01	1.71E+00	U
WS	01	399679001	6/13/2016	Co-58	-9.65E-01	6.66E-01	1.94E+00	U
WS	01	399679001	6/13/2016	Co-60	1.38E-01	5.50E-01	1.80E+00	U
WS	01	399679001	6/13/2016	Cr-51	-9.05E+00	7.03E+00	2.14E+01	U
WS	01	399679001	6/13/2016	Cs-134	9.60E-01	1.07E+00	2.11E+00	U
WS	01	399679001	6/13/2016	Cs-137	0.00E+00	1.12E+00	1.99E+00	U
WS	01	399679001	6/13/2016	Fe-59	-2.03E+00	1.41E+00	4.19E+00	U
WS	01	399679001	6/13/2016	I-131	-1.20E+00	2.00E+00	6.32E+00	U
WS	01	399679001	6/13/2016	K-40	3.28E+02	2.36E+01	1.82E+01	
WS	01	399679001	6/13/2016	La-140	-1.58E+00	1.33E+00	4.05E+00	U
WS	01	399679001	6/13/2016	Mn-54	7.00E-01	6.98E-01	1.76E+00	U
WS	01	399679001	6/13/2016	Nb-95	1.46E+00	9.03E-01	2.16E+00	U
WS	01	399679001	6/13/2016	Pb-212	1.00E+00	1.88E+00	3.96E+00	U
WS	01	399679001	6/13/2016	Pb-214	1.40E+00	2.72E+00	4.76E+00	U
WS	01	399679001	6/13/2016	Ru-103	-1.87E-01	6.81E-01	2.26E+00	U
WS	01	399679001	6/13/2016	Ru-106	-2.30E+00	5.80E+00	1.63E+01	U
WS	01	399679001	6/13/2016	Sb-124	8.19E-01	1.41E+00	4.73E+00	U
WS	01	399679001	6/13/2016	Sb-125	2.72E-02	1.51E+00	5.11E+00	U
WS	01	399679001	6/13/2016	Se-75	-4.25E-01	8.21E-01	2.66E+00	U
WS	01	399679001	6/13/2016	Th-228	1.00E+00	1.88E+00	3.96E+00	U
WS	01	399679001	6/13/2016	Zn-65	-6.41E+00	2.06E+00	3.94E+00	U
WS	01	399679001	6/13/2016	Zr-95	3.56E-01	1.15E+00	3.77E+00	U
WS	01	403182001	6/13/2016	H-3	-9.19E+01	1.49E+02	5.04E+02	U
WS	01	401668001	7/11/2016	Ac-228	1.70E-01	3.14E+00	7.75E+00	U
WS	01	401668001	7/11/2016	Ag-108m	-4.39E-01	4.90E-01	1.54E+00	U
WS	01	401668001	7/11/2016	Ag-110m	-6.70E-01	7.55E-01	2.35E+00	U
WS	01	401668001	7/11/2016	Ba-140	2.67E+00	3.91E+00	9.21E+00	U
WS	01	401668001	7/11/2016	Be-7	2.05E+00	6.67E+00	1.47E+01	U
WS	01	401668001	7/11/2016	Bi-214	2.46E+00	2.18E+00	3.52E+00	U
WS	01	401668001	7/11/2016	Ce-141	1.77E+00	1.15E+00	3.22E+00	U
WS	01	401668001	7/11/2016	Ce-144	-3.08E+00	3.60E+00	1.14E+01	U
WS	01	401668001	7/11/2016	Co-57	-2.46E-01	4.52E-01	1.46E+00	U
WS	01	401668001	7/11/2016	Co-58	-6.44E-01	5.63E-01	1.73E+00	U
WS	01	401668001	7/11/2016	Co-60	4.06E-02	5.82E-01	1.94E+00	U
WS	01	401668001	7/11/2016	Cr-51	-1.11E+00	5.23E+00	1.68E+01	U
WS	01	401668001	7/11/2016	Cs-134	-1.63E-01	5.66E-01	1.86E+00	U
WS	01	401668001	7/11/2016	Cs-137	7.32E-01	1.09E+00	1.81E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
WS	01	401668001	7/11/2016	Fe-59	-1.13E-01	1.23E+00	3.95E+00	U
WS	01	401668001	7/11/2016	I-131	5.19E-01	1.01E+00	3.36E+00	U
WS	01	401668001	7/11/2016	K-40	3.19E+02	2.30E+01	1.76E+01	
WS	01	401668001	7/11/2016	La-140	-1.19E+00	9.46E-01	2.77E+00	U
WS	01	401668001	7/11/2016	Mn-54	-4.09E-01	5.31E-01	1.68E+00	U
WS	01	401668001	7/11/2016	Nb-95	1.17E-01	5.32E-01	1.78E+00	U
WS	01	401668001	7/11/2016	Pb-212	-1.41E+00	1.48E+00	3.74E+00	U
WS	01	401668001	7/11/2016	Pb-214	1.85E+00	2.17E+00	4.55E+00	U
WS	01	401668001	7/11/2016	Ru-103	-1.42E-01	6.31E-01	1.78E+00	U
WS	01	401668001	7/11/2016	Ru-106	1.96E+00	4.51E+00	1.53E+01	U
WS	01	401668001	7/11/2016	Sb-124	-8.34E-01	1.50E+00	4.32E+00	U
WS	01	401668001	7/11/2016	Sb-125	-1.56E-01	1.46E+00	4.77E+00	U
WS	01	401668001	7/11/2016	Se-75	3.69E-01	7.03E-01	2.39E+00	U
WS	01	401668001	7/11/2016	Th-228	-1.41E+00	1.48E+00	3.74E+00	U
WS	01	401668001	7/11/2016	Zn-65	-1.94E+00	1.24E+00	3.44E+00	U
WS	01	401668001	7/11/2016	Zr-95	-8.73E-01	1.07E+00	2.91E+00	U
WS	01	409460001	7/11/2016	H-3	-7.91E+01	1.61E+02	5.43E+02	U
WS	01	404390001	8/18/2016	Ac-228	2.31E+00	4.83E+00	8.10E+00	U
WS	01	404390001	8/18/2016	Ag-108m	6.77E-02	4.87E-01	1.59E+00	U
WS	01	404390001	8/18/2016	Ag-110m	1.67E+00	6.32E-01	2.50E+00	U
WS	01	404390001	8/18/2016	Ba-140	4.29E-01	2.76E+00	8.88E+00	U
WS	01	404390001	8/18/2016	Be-7	-6.53E+00	5.08E+00	1.51E+01	U
WS	01	404390001	8/18/2016	Bi-214	0.00E+00	1.97E+00	4.16E+00	U
WS	01	404390001	8/18/2016	Ce-141	1.41E-01	1.54E+00	3.15E+00	U
WS	01	404390001	8/18/2016	Ce-144	-5.01E+00	3.93E+00	1.18E+01	U
WS	01	404390001	8/18/2016	Co-57	5.38E-01	4.93E-01	1.57E+00	U
WS	01	404390001	8/18/2016	Co-58	2.27E-01	5.06E-01	1.69E+00	U
WS	01	404390001	8/18/2016	Co-60	-2.06E-01	5.46E-01	1.78E+00	U
WS	01	404390001	8/18/2016	Cr-51	2.58E+00	5.21E+00	1.73E+01	U
WS	01	404390001	8/18/2016	Cs-134	-1.01E-03	5.51E-01	1.82E+00	U
WS	01	404390001	8/18/2016	Cs-137	-3.39E-01	5.23E-01	1.69E+00	U
WS	01	404390001	8/18/2016	Fe-59	9.86E-01	1.38E+00	3.92E+00	U
WS	01	404390001	8/18/2016	I-131	-1.27E+00	1.00E+00	3.04E+00	U
WS	01	404390001	8/18/2016	K-40	3.48E+02	2.57E+01	1.81E+01	
WS	01	404390001	8/18/2016	La-140	-1.36E+00	8.70E-01	2.39E+00	U
WS	01	404390001	8/18/2016	Mn-54	-8.24E-01	5.69E-01	1.67E+00	U
WS	01	404390001	8/18/2016	Nb-95	2.78E-02	5.15E-01	1.71E+00	U
WS	01	404390001	8/18/2016	Pb-212	5.76E-01	1.75E+00	3.05E+00	U
WS	01	404390001	8/18/2016	Pb-214	-2.38E+00	2.10E+00	4.37E+00	U
WS	01	404390001	8/18/2016	Ru-103	-7.90E-01	7.06E-01	1.83E+00	U
WS	01	404390001	8/18/2016	Ru-106	3.74E+00	4.79E+00	1.62E+01	U
WS	01	404390001	8/18/2016	Sb-124	-1.51E+00	1.48E+00	4.41E+00	U
WS	01	404390001	8/18/2016	Sb-125	3.63E+00	1.76E+00	5.32E+00	U
WS	01	404390001	8/18/2016	Se-75	1.08E+00	7.65E-01	2.48E+00	U
WS	01	404390001	8/18/2016	Th-228	5.76E-01	1.75E+00	3.05E+00	U
WS	01	404390001	8/18/2016	Zn-65	-7.36E-01	1.27E+00	3.95E+00	U
WS	01	404390001	8/18/2016	Zr-95	-2.14E-01	9.53E-01	3.13E+00	U
WS	01	405958001	9/12/2016	Ac-228	-2.57E+00	3.67E+00	7.19E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
WS	01	405958001	9/12/2016	Ag-108m	4.94E-01	4.15E-01	1.36E+00	U
WS	01	405958001	9/12/2016	Ag-110m	1.98E-01	6.41E-01	2.08E+00	U
WS	01	405958001	9/12/2016	Ba-140	-9.09E-01	2.67E+00	8.65E+00	U
WS	01	405958001	9/12/2016	Be-7	-5.07E-02	4.34E+00	1.37E+01	U
WS	01	405958001	9/12/2016	Bi-214	3.70E+00	2.59E+00	4.13E+00	U
WS	01	405958001	9/12/2016	Ce-141	0.00E+00	2.01E+00	2.78E+00	U
WS	01	405958001	9/12/2016	Ce-144	-1.17E+01	5.59E+00	1.08E+01	U
WS	01	405958001	9/12/2016	Co-57	4.28E-01	4.34E-01	1.47E+00	U
WS	01	405958001	9/12/2016	Co-58	1.48E-01	4.92E-01	1.60E+00	U
WS	01	405958001	9/12/2016	Co-60	6.45E-01	4.57E-01	1.55E+00	U
WS	01	405958001	9/12/2016	Cr-51	4.37E+00	4.52E+00	1.51E+01	U
WS	01	405958001	9/12/2016	Cs-134	5.17E-01	5.52E-01	1.80E+00	U
WS	01	405958001	9/12/2016	Cs-137	1.06E+00	5.55E-01	1.73E+00	U
WS	01	405958001	9/12/2016	Fe-59	-8.96E-02	1.04E+00	3.28E+00	U
WS	01	405958001	9/12/2016	I-131	1.28E-01	9.51E-01	3.18E+00	U
WS	01	405958001	9/12/2016	K-40	3.29E+02	2.00E+01	1.53E+01	
WS	01	405958001	9/12/2016	La-140	-1.41E+00	8.41E-01	2.34E+00	U
WS	01	405958001	9/12/2016	Mn-54	1.42E-01	4.43E-01	1.44E+00	U
WS	01	405958001	9/12/2016	Nb-95	-2.69E-01	5.00E-01	1.58E+00	U
WS	01	405958001	9/12/2016	Pb-212	0.00E+00	2.68E+00	3.65E+00	U
WS	01	405958001	9/12/2016	Pb-214	-3.18E-01	1.90E+00	4.14E+00	U
WS	01	405958001	9/12/2016	Ru-103	-5.86E-01	6.06E-01	1.68E+00	U
WS	01	405958001	9/12/2016	Ru-106	8.03E-01	4.29E+00	1.41E+01	U
WS	01	405958001	9/12/2016	Sb-124	1.72E+00	1.25E+00	3.85E+00	U
WS	01	405958001	9/12/2016	Sb-125	6.87E-01	1.21E+00	4.03E+00	U
WS	01	405958001	9/12/2016	Se-75	1.33E+00	6.82E-01	2.13E+00	U
WS	01	405958001	9/12/2016	Th-228	0.00E+00	2.68E+00	3.65E+00	U
WS	01	405958001	9/12/2016	Zn-65	5.76E-01	9.86E-01	3.18E+00	U
WS	01	405958001	9/12/2016	Zr-95	4.96E-01	1.48E+00	2.97E+00	U
WS	01	408920001	10/17/2016	Ac-228	-5.12E+00	3.80E+00	7.19E+00	U
WS	01	408920001	10/17/2016	Ag-108m	-2.45E-01	4.16E-01	1.34E+00	U
WS	01	408920001	10/17/2016	Ag-110m	-5.62E-01	6.14E-01	1.95E+00	U
WS	01	408920001	10/17/2016	Ba-140	-1.97E+00	2.58E+00	8.07E+00	U
WS	01	408920001	10/17/2016	Be-7	2.09E+00	3.93E+00	1.31E+01	U
WS	01	408920001	10/17/2016	Bi-214	-3.64E+00	2.18E+00	3.88E+00	U
WS	01	408920001	10/17/2016	Ce-141	1.48E+00	1.32E+00	2.39E+00	U
WS	01	408920001	10/17/2016	Ce-144	5.17E+00	3.16E+00	9.68E+00	U
WS	01	408920001	10/17/2016	Co-57	3.27E-01	3.87E-01	1.24E+00	U
WS	01	408920001	10/17/2016	Co-58	1.28E+00	5.47E-01	1.64E+00	U
WS	01	408920001	10/17/2016	Co-60	3.82E-02	4.55E-01	1.50E+00	U
WS	01	408920001	10/17/2016	Cr-51	-9.52E-01	4.31E+00	1.44E+01	U
WS	01	408920001	10/17/2016	Cs-134	-1.68E-01	5.17E-01	1.61E+00	U
WS	01	408920001	10/17/2016	Cs-137	-3.91E-02	4.97E-01	1.59E+00	U
WS	01	408920001	10/17/2016	Fe-59	7.77E-01	9.70E-01	3.29E+00	U
WS	01	408920001	10/17/2016	I-131	2.05E+00	1.20E+00	3.02E+00	U
WS	01	408920001	10/17/2016	K-40	3.09E+02	2.04E+01	1.43E+01	
WS	01	408920001	10/17/2016	La-140	1.02E+00	8.33E-01	2.80E+00	U
WS	01	408920001	10/17/2016	Mn-54	-4.59E-01	4.62E-01	1.47E+00	U
WS	01	408920001	10/17/2016	Nb-95	5.28E-01	6.99E-01	1.38E+00	U
WS	01	408920001	10/17/2016	Pb-212	2.37E+00	1.92E+00	3.35E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS	
WS	01	408920001	10/17/2016	Pb-214	-3.16E+00	2.11E+00	3.66E+00	U	
WS	01	408920001	10/17/2016	Ru-103	6.11E-03	5.20E-01	1.53E+00	U	
WS	01	408920001	10/17/2016	Ru-106	1.14E+00	4.36E+00	1.42E+01	U	
WS	01	408920001	10/17/2016	Sb-124	-2.91E+00	1.37E+00	3.13E+00	U	
WS	01	408920001	10/17/2016	Sb-125	-8.07E-01	1.30E+00	4.19E+00	U	
WS	01	408920001	10/17/2016	Se-75	4.46E-01	5.74E-01	1.96E+00	U	
WS	01	408920001	10/17/2016	Th-228	2.37E+00	1.92E+00	3.35E+00	U	
WS	01	408920001	10/17/2016	Zn-65	-1.56E+00	1.03E+00	2.96E+00	U	
WS	01	408920001	10/17/2016	Zr-95	1.59E+00	1.23E+00	2.36E+00	U	
WS	01	411073001	11/14/2016	Ac-228	7.37E+00	2.82E+00	6.90E+00	UI	
WS	01	411073001	11/14/2016	Ag-108m	5.15E-01	3.91E-01	1.32E+00	U	
WS	01	411073001	11/14/2016	Ag-110m	-7.11E-01	6.04E-01	1.77E+00	U	
WS	01	411073001	11/14/2016	Ba-140	1.97E+00	2.37E+00	8.05E+00	U	
WS	01	411073001	11/14/2016	Be-7	-4.83E+00	4.23E+00	1.18E+01	U	
WS	01	411073001	11/14/2016	Bi-214	4.48E-02	1.49E+00	3.47E+00	U	
WS	01	411073001	11/14/2016	Ce-141	1.17E+00	1.66E+00	2.27E+00	U	
WS	01	411073001	11/14/2016	Ce-144	5.80E+00	6.36E+00	8.76E+00	U	
WS	01	411073001	11/14/2016	Co-57	-7.49E-01	4.05E-01	1.18E+00	U	
WS	01	411073001	11/14/2016	Co-58	-3.54E-01	4.18E-01	1.28E+00	U	
WS	01	411073001	11/14/2016	Co-60	-1.02E+00	6.44E-01	1.17E+00	U	
WS	01	411073001	11/14/2016	Cr-51	2.74E+00	4.41E+00	1.40E+01	U	
WS	01	411073001	11/14/2016	Cs-134	1.19E-01	4.39E-01	1.45E+00	U	
WS	01	411073001	11/14/2016	Cs-137	3.06E-01	4.25E-01	1.43E+00	U	
WS	01	411073001	11/14/2016	Fe-59	2.64E-01	1.03E+00	3.30E+00	U	
WS	01	411073001	11/14/2016	I-131	-9.39E-01	9.88E-01	2.64E+00	U	
WS	01	411073001	11/14/2016	K-40	3.44E+02	1.88E+01	1.17E+01		
WS	01	411073001	11/14/2016	La-140	2.78E+00	1.28E+00	2.65E+00	UI	M
WS	01	411073001	11/14/2016	Mn-54	5.55E-01	4.13E-01	1.36E+00	U	
WS	01	411073001	11/14/2016	Nb-95	-8.10E-01	8.56E-01	1.51E+00	U	
WS	01	411073001	11/14/2016	Pb-212	5.70E-01	1.47E+00	2.93E+00	U	
WS	01	411073001	11/14/2016	Pb-214	2.63E-01	1.71E+00	3.42E+00	U	
WS	01	411073001	11/14/2016	Ru-103	-5.59E-01	4.70E-01	1.47E+00	U	
WS	01	411073001	11/14/2016	Ru-106	-1.76E+00	3.84E+00	1.25E+01	U	
WS	01	411073001	11/14/2016	Sb-124	-4.27E-01	1.07E+00	3.39E+00	U	
WS	01	411073001	11/14/2016	Sb-125	-2.36E+00	1.19E+00	3.37E+00	U	
WS	01	411073001	11/14/2016	Se-75	1.33E+00	6.55E-01	1.96E+00	U	
WS	01	411073001	11/14/2016	Th-228	5.70E-01	1.47E+00	2.93E+00	U	
WS	01	411073001	11/14/2016	Zn-65	-2.92E-01	1.04E+00	3.23E+00	U	
WS	01	411073001	11/14/2016	Zr-95	2.90E-02	7.70E-01	2.53E+00	U	
WS	01	412454001	12/6/2016	Ac-228	-4.82E+00	2.93E+00	6.45E+00	U	
WS	01	412454001	12/6/2016	Ag-108m	1.71E-01	3.77E-01	1.29E+00	U	
WS	01	412454001	12/6/2016	Ag-110m	-1.03E-01	6.05E-01	1.93E+00	U	
WS	01	412454001	12/6/2016	Ba-140	3.27E+00	2.44E+00	8.12E+00	U	
WS	01	412454001	12/6/2016	Be-7	-7.05E+00	4.07E+00	1.18E+01	U	
WS	01	412454001	12/6/2016	Bi-214	2.01E+00	2.49E+00	2.83E+00	U	
WS	01	412454001	12/6/2016	Ce-141	-3.13E-01	8.14E-01	2.42E+00	U	
WS	01	412454001	12/6/2016	Ce-144	-1.47E+00	2.90E+00	9.34E+00	U	
WS	01	412454001	12/6/2016	Co-57	6.32E-02	3.70E-01	1.22E+00	U	
WS	01	412454001	12/6/2016	Co-58	3.35E-01	4.76E-01	1.57E+00	U	

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
WS	01	412454001	12/6/2016	Co-60	7.90E-01	4.81E-01	1.62E+00	U
WS	01	412454001	12/6/2016	Cr-51	-1.14E+00	4.47E+00	1.38E+01	U
WS	01	412454001	12/6/2016	Cs-134	9.42E-01	5.36E-01	1.72E+00	U
WS	01	412454001	12/6/2016	Cs-137	-2.34E-01	4.70E-01	1.51E+00	U
WS	01	412454001	12/6/2016	Fe-59	1.83E-02	8.53E-01	2.90E+00	U
WS	01	412454001	12/6/2016	I-131	1.64E+00	9.43E-01	3.10E+00	U
WS	01	412454001	12/6/2016	K-40	3.58E+02	2.01E+01	1.27E+01	
WS	01	412454001	12/6/2016	La-140	6.52E-01	8.74E-01	2.66E+00	U
WS	01	412454001	12/6/2016	Mn-54	-1.15E-01	4.51E-01	1.44E+00	U
WS	01	412454001	12/6/2016	Nb-95	-1.10E+00	5.33E-01	1.37E+00	U
WS	01	412454001	12/6/2016	Pb-212	2.20E+00	2.15E+00	3.17E+00	U
WS	01	412454001	12/6/2016	Pb-214	-3.97E+00	2.12E+00	3.60E+00	U
WS	01	412454001	12/6/2016	Ru-103	4.83E-01	4.99E-01	1.53E+00	U
WS	01	412454001	12/6/2016	Ru-106	1.16E+00	3.76E+00	1.26E+01	U
WS	01	412454001	12/6/2016	Sb-124	8.91E-01	1.18E+00	3.58E+00	U
WS	01	412454001	12/6/2016	Sb-125	8.78E-01	1.11E+00	3.79E+00	U
WS	01	412454001	12/6/2016	Se-75	7.91E-01	6.38E-01	2.00E+00	U
WS	01	412454001	12/6/2016	Th-228	2.20E+00	2.15E+00	3.17E+00	U
WS	01	412454001	12/6/2016	Zn-65	1.15E-01	9.79E-01	3.11E+00	U
WS	01	412454001	12/6/2016	Zr-95	1.30E+00	9.33E-01	3.05E+00	U
WS	01	414357001	12/6/2016	H-3	3.53E+02	1.59E+02	4.53E+02	U
WS	10	397957004	5/16/2016	Ac-228	3.90E+00	3.45E+00	5.22E+00	U
WS	10	397957004	5/16/2016	Ag-108m	4.62E-01	5.10E-01	1.41E+00	U
WS	10	397957004	5/16/2016	Ag-110m	-2.04E-01	5.88E-01	1.90E+00	U
WS	10	397957004	5/16/2016	Ba-140	5.83E-01	2.46E+00	8.36E+00	U
WS	10	397957004	5/16/2016	Be-7	-1.42E+00	4.68E+00	1.30E+01	U
WS	10	397957004	5/16/2016	Bi-214	-1.16E+00	1.66E+00	3.44E+00	U
WS	10	397957004	5/16/2016	Ce-141	-9.52E-01	1.21E+00	2.84E+00	U
WS	10	397957004	5/16/2016	Ce-144	1.36E+00	3.17E+00	1.01E+01	U
WS	10	397957004	5/16/2016	Co-57	-4.21E-02	4.09E-01	1.31E+00	U
WS	10	397957004	5/16/2016	Co-58	3.50E-01	4.47E-01	1.48E+00	U
WS	10	397957004	5/16/2016	Co-60	3.63E-01	4.70E-01	1.58E+00	U
WS	10	397957004	5/16/2016	Cr-51	8.90E-01	4.34E+00	1.43E+01	U
WS	10	397957004	5/16/2016	Cs-134	-1.40E-01	4.65E-01	1.51E+00	U
WS	10	397957004	5/16/2016	Cs-137	7.54E-01	7.16E-01	1.42E+00	U
WS	10	397957004	5/16/2016	Fe-59	4.91E-01	1.04E+00	3.38E+00	U
WS	10	397957004	5/16/2016	I-131	2.29E+00	1.14E+00	3.44E+00	U
WS	10	397957004	5/16/2016	K-40	1.83E+02	1.62E+01	1.50E+01	
WS	10	397957004	5/16/2016	La-140	-4.16E-01	7.69E-01	2.44E+00	U
WS	10	397957004	5/16/2016	Mn-54	-1.45E-01	4.34E-01	1.41E+00	U
WS	10	397957004	5/16/2016	Nb-95	2.29E-01	4.42E-01	1.47E+00	U
WS	10	397957004	5/16/2016	Pb-212	1.18E+00	1.59E+00	3.28E+00	U
WS	10	397957004	5/16/2016	Pb-214	-5.93E-01	2.00E+00	3.84E+00	U
WS	10	397957004	5/16/2016	Ru-103	-3.56E-01	5.22E-01	1.63E+00	U
WS	10	397957004	5/16/2016	Ru-106	1.37E+00	4.15E+00	1.40E+01	U
WS	10	397957004	5/16/2016	Sb-124	7.91E-01	1.12E+00	3.73E+00	U
WS	10	397957004	5/16/2016	Sb-125	1.23E+00	1.28E+00	4.14E+00	U
WS	10	397957004	5/16/2016	Se-75	5.89E-01	6.68E-01	2.14E+00	U
WS	10	397957004	5/16/2016	Th-228	1.18E+00	1.59E+00	3.28E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
WS	10	397957004	5/16/2016	Zn-65	-7.73E-01	1.06E+00	3.44E+00	U
WS	10	397957004	5/16/2016	Zr-95	3.00E-02	8.52E-01	2.82E+00	U
WS	10	397957004	5/16/2016	H-3	-2.22E+02	1.72E+02	6.00E+02	U
WS	10	411073004	11/17/2016	Ac-228	-1.39E+00	3.15E+00	7.02E+00	U
WS	10	411073004	11/17/2016	Ag-108m	-5.08E-01	4.43E-01	1.36E+00	U
WS	10	411073004	11/17/2016	Ag-110m	4.41E-01	6.79E-01	1.97E+00	U
WS	10	411073004	11/17/2016	Ba-140	1.07E+00	2.22E+00	7.33E+00	U
WS	10	411073004	11/17/2016	Be-7	2.93E+00	4.20E+00	1.39E+01	U
WS	10	411073004	11/17/2016	Bi-214	3.30E-01	2.58E+00	3.22E+00	U
WS	10	411073004	11/17/2016	Ce-141	-8.42E-01	8.64E-01	2.85E+00	U
WS	10	411073004	11/17/2016	Ce-144	-3.02E+00	3.58E+00	1.07E+01	U
WS	10	411073004	11/17/2016	Co-57	2.73E-01	4.89E-01	1.53E+00	U
WS	10	411073004	11/17/2016	Co-58	5.06E-01	4.77E-01	1.55E+00	U
WS	10	411073004	11/17/2016	Co-60	-4.82E-01	4.97E-01	1.53E+00	U
WS	10	411073004	11/17/2016	Cr-51	3.21E+00	4.29E+00	1.44E+01	U
WS	10	411073004	11/17/2016	Cs-134	4.78E-01	5.17E-01	1.68E+00	U
WS	10	411073004	11/17/2016	Cs-137	5.43E-01	5.22E-01	1.70E+00	U
WS	10	411073004	11/17/2016	Fe-59	-1.68E+00	9.54E-01	2.67E+00	U
WS	10	411073004	11/17/2016	I-131	-5.20E-01	8.27E-01	2.68E+00	U
WS	10	411073004	11/17/2016	K-40	2.14E+02	1.73E+01	1.29E+01	
WS	10	411073004	11/17/2016	La-140	3.98E-01	7.28E-01	2.38E+00	U
WS	10	411073004	11/17/2016	Mn-54	3.74E-01	4.74E-01	1.54E+00	U
WS	10	411073004	11/17/2016	Nb-95	6.42E-01	5.19E-01	1.67E+00	U
WS	10	411073004	11/17/2016	Pb-212	-1.38E+00	1.58E+00	3.22E+00	U
WS	10	411073004	11/17/2016	Pb-214	-3.35E+00	2.21E+00	3.98E+00	U
WS	10	411073004	11/17/2016	Ru-103	-1.15E+00	6.19E-01	1.49E+00	U
WS	10	411073004	11/17/2016	Ru-106	5.22E-01	4.26E+00	1.38E+01	U
WS	10	411073004	11/17/2016	Sb-124	-1.18E+00	9.52E-01	2.68E+00	U
WS	10	411073004	11/17/2016	Sb-125	-4.24E-01	1.24E+00	4.02E+00	U
WS	10	411073004	11/17/2016	Se-75	-4.28E-01	6.16E-01	2.01E+00	U
WS	10	411073004	11/17/2016	Th-228	-1.38E+00	1.58E+00	3.22E+00	U
WS	10	411073004	11/17/2016	Zn-65	1.40E+00	1.08E+00	3.30E+00	U
WS	10	411073004	11/17/2016	Zr-95	9.32E-02	8.87E-01	2.54E+00	U
WS	10	411073004	11/17/2016	H-3	1.61E+02	1.69E+02	5.22E+02	U
WS	51	389977002	1/21/2016	Ac-228	4.45E+00	3.86E+00	6.42E+00	U
WS	51	389977002	1/21/2016	Ag-108m	3.51E-01	5.14E-01	1.68E+00	U
WS	51	389977002	1/21/2016	Ag-110m	-8.66E-01	6.42E-01	1.60E+00	U
WS	51	389977002	1/21/2016	Ba-140	1.43E+00	2.84E+00	9.18E+00	U
WS	51	389977002	1/21/2016	Be-7	3.00E+00	4.82E+00	1.57E+01	U
WS	51	389977002	1/21/2016	Bi-214	-1.82E-01	1.75E+00	4.23E+00	U
WS	51	389977002	1/21/2016	Ce-141	1.12E-01	1.32E+00	3.40E+00	U
WS	51	389977002	1/21/2016	Ce-144	-5.02E+00	4.75E+00	1.21E+01	U
WS	51	389977002	1/21/2016	Co-57	5.27E-01	5.12E-01	1.64E+00	U
WS	51	389977002	1/21/2016	Co-58	1.81E-01	5.22E-01	1.74E+00	U
WS	51	389977002	1/21/2016	Co-60	5.05E-01	5.49E-01	1.86E+00	U
WS	51	389977002	1/21/2016	Cr-51	-1.03E+00	5.03E+00	1.66E+01	U
WS	51	389977002	1/21/2016	Cs-134	3.00E-01	6.97E-01	2.02E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
WS	51	389977002	1/21/2016	Cs-137	2.51E-01	5.58E-01	1.88E+00	U
WS	51	389977002	1/21/2016	Fe-59	-8.25E-02	1.19E+00	3.82E+00	U
WS	51	389977002	1/21/2016	I-131	1.58E+00	1.06E+00	3.37E+00	U
WS	51	389977002	1/21/2016	K-40	3.58E+02	2.26E+01	1.56E+01	
WS	51	389977002	1/21/2016	La-140	-8.58E-01	9.28E-01	2.82E+00	U
WS	51	389977002	1/21/2016	Mn-54	3.76E-02	5.61E-01	1.85E+00	U
WS	51	389977002	1/21/2016	Nb-95	4.19E-02	4.67E-01	1.55E+00	U
WS	51	389977002	1/21/2016	Pb-212	1.58E+00	2.15E+00	3.12E+00	U
WS	51	389977002	1/21/2016	Pb-214	2.89E-01	2.07E+00	4.40E+00	U
WS	51	389977002	1/21/2016	Ru-103	-6.44E-01	7.07E-01	1.87E+00	U
WS	51	389977002	1/21/2016	Ru-106	2.71E+00	4.84E+00	1.64E+01	U
WS	51	389977002	1/21/2016	Sb-124	-4.58E-01	1.31E+00	4.16E+00	U
WS	51	389977002	1/21/2016	Sb-125	-4.26E-01	1.50E+00	4.85E+00	U
WS	51	389977002	1/21/2016	Se-75	3.17E-01	7.39E-01	2.48E+00	U
WS	51	389977002	1/21/2016	Th-228	1.58E+00	2.15E+00	3.12E+00	U
WS	51	389977002	1/21/2016	Zn-65	8.61E-01	1.28E+00	4.17E+00	U
WS	51	389977002	1/21/2016	Zr-95	2.49E-01	9.47E-01	3.16E+00	U
WS	51	391782002	2/15/2016	Ac-228	3.10E+00	4.81E+00	9.42E+00	U
WS	51	391782002	2/15/2016	Ag-108m	-5.50E-01	6.06E-01	1.87E+00	U
WS	51	391782002	2/15/2016	Ag-110m	4.39E-01	8.84E-01	2.94E+00	U
WS	51	391782002	2/15/2016	Ba-140	6.52E+00	3.70E+00	1.19E+01	U
WS	51	391782002	2/15/2016	Be-7	-1.16E+01	6.17E+00	1.67E+01	U
WS	51	391782002	2/15/2016	Bi-214	2.30E+00	2.39E+00	4.81E+00	U
WS	51	391782002	2/15/2016	Ce-141	3.46E+00	1.53E+00	4.07E+00	U
WS	51	391782002	2/15/2016	Ce-144	2.91E+00	4.41E+00	1.48E+01	U
WS	51	391782002	2/15/2016	Co-57	2.90E-01	5.97E-01	2.02E+00	U
WS	51	391782002	2/15/2016	Co-58	-2.69E+00	1.91E+00	2.18E+00	U
WS	51	391782002	2/15/2016	Co-60	-2.99E-01	6.68E-01	2.19E+00	U
WS	51	391782002	2/15/2016	Cr-51	-1.27E+01	7.00E+00	1.99E+01	U
WS	51	391782002	2/15/2016	Cs-134	5.33E-01	7.13E-01	2.38E+00	U
WS	51	391782002	2/15/2016	Cs-137	-2.90E-01	6.41E-01	2.10E+00	U
WS	51	391782002	2/15/2016	Fe-59	-6.90E-01	1.41E+00	4.45E+00	U
WS	51	391782002	2/15/2016	I-131	1.31E+00	1.37E+00	4.44E+00	U
WS	51	391782002	2/15/2016	K-40	3.20E+02	2.48E+01	2.22E+01	
WS	51	391782002	2/15/2016	La-140	-5.22E-01	1.24E+00	4.01E+00	U
WS	51	391782002	2/15/2016	Mn-54	-1.23E-01	7.23E-01	1.93E+00	U
WS	51	391782002	2/15/2016	Nb-95	-5.63E-01	1.14E+00	2.23E+00	U
WS	51	391782002	2/15/2016	Pb-212	1.04E-01	2.44E+00	4.53E+00	U
WS	51	391782002	2/15/2016	Pb-214	6.34E-01	2.15E+00	5.20E+00	U
WS	51	391782002	2/15/2016	Ru-103	-1.54E+00	7.88E-01	2.10E+00	U
WS	51	391782002	2/15/2016	Ru-106	8.08E+00	5.92E+00	1.95E+01	U
WS	51	391782002	2/15/2016	Sb-124	4.49E-01	1.98E+00	5.94E+00	U
WS	51	391782002	2/15/2016	Sb-125	3.02E-01	1.74E+00	5.64E+00	U
WS	51	391782002	2/15/2016	Se-75	5.37E-01	8.71E-01	2.88E+00	U
WS	51	391782002	2/15/2016	Th-228	1.04E-01	2.44E+00	4.53E+00	U
WS	51	391782002	2/15/2016	Zn-65	-3.04E+00	1.69E+00	4.54E+00	U
WS	51	391782002	2/15/2016	Zr-95	-7.88E-01	1.19E+00	3.82E+00	U
WS	51	393817002	3/21/2016	Ac-228	-5.29E+00	3.77E+00	7.34E+00	U
WS	51	393817002	3/21/2016	Ag-108m	-7.03E-02	4.54E-01	1.52E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
WS	51	393817002	3/21/2016	Ag-110m	5.78E-02	7.08E-01	2.37E+00	U
WS	51	393817002	3/21/2016	Ba-140	5.54E-01	2.55E+00	8.44E+00	U
WS	51	393817002	3/21/2016	Be-7	-3.84E+00	4.61E+00	1.48E+01	U
WS	51	393817002	3/21/2016	Bi-214	1.25E+00	2.11E+00	4.01E+00	U
WS	51	393817002	3/21/2016	Ce-141	-1.64E-03	1.72E+00	3.49E+00	U
WS	51	393817002	3/21/2016	Ce-144	-1.21E+00	3.70E+00	1.24E+01	U
WS	51	393817002	3/21/2016	Co-57	-4.65E-01	4.82E-01	1.57E+00	U
WS	51	393817002	3/21/2016	Co-58	4.63E-01	5.34E-01	1.80E+00	U
WS	51	393817002	3/21/2016	Co-60	-2.11E-01	5.98E-01	1.98E+00	U
WS	51	393817002	3/21/2016	Cr-51	2.95E-01	5.24E+00	1.69E+01	U
WS	51	393817002	3/21/2016	Cs-134	5.41E-01	5.93E-01	1.86E+00	U
WS	51	393817002	3/21/2016	Cs-137	4.46E-01	5.68E-01	1.86E+00	U
WS	51	393817002	3/21/2016	Fe-59	1.05E+00	1.16E+00	3.80E+00	U
WS	51	393817002	3/21/2016	I-131	-1.21E-01	1.01E+00	3.22E+00	U
WS	51	393817002	3/21/2016	K-40	2.99E+02	2.28E+01	1.62E+01	
WS	51	393817002	3/21/2016	La-140	3.94E-01	9.15E-01	3.06E+00	U
WS	51	393817002	3/21/2016	Mn-54	1.02E-01	5.35E-01	1.80E+00	U
WS	51	393817002	3/21/2016	Nb-95	-4.81E-01	5.76E-01	1.72E+00	U
WS	51	393817002	3/21/2016	Pb-212	1.70E-01	1.90E+00	4.17E+00	U
WS	51	393817002	3/21/2016	Pb-214	1.55E+00	2.42E+00	4.32E+00	U
WS	51	393817002	3/21/2016	Ru-103	-6.25E-01	6.73E-01	1.84E+00	U
WS	51	393817002	3/21/2016	Ru-106	2.73E-01	4.74E+00	1.55E+01	U
WS	51	393817002	3/21/2016	Sb-124	-4.29E-01	1.29E+00	4.16E+00	U
WS	51	393817002	3/21/2016	Sb-125	1.11E+00	1.43E+00	4.80E+00	U
WS	51	393817002	3/21/2016	Se-75	9.01E-01	7.71E-01	2.47E+00	U
WS	51	393817002	3/21/2016	Th-228	1.70E-01	1.90E+00	4.17E+00	U
WS	51	393817002	3/21/2016	Zn-65	-2.00E+00	1.30E+00	3.74E+00	U
WS	51	393817002	3/21/2016	Zr-95	-2.09E+00	1.09E+00	2.93E+00	U
WS	51	396420002	3/21/2016	H-3	-5.87E+02	3.83E+02	1.35E+03	U
WS	51	395509002	4/12/2016	Ac-228	-6.94E+00	4.22E+00	8.91E+00	U
WS	51	395509002	4/12/2016	Ag-108m	-7.26E-02	6.04E-01	1.98E+00	U
WS	51	395509002	4/12/2016	Ag-110m	-1.39E+00	9.64E-01	2.79E+00	U
WS	51	395509002	4/12/2016	Ba-140	-8.70E-02	3.33E+00	1.08E+01	U
WS	51	395509002	4/12/2016	Be-7	-2.60E+00	5.93E+00	1.91E+01	U
WS	51	395509002	4/12/2016	Bi-214	4.16E+00	2.16E+00	5.15E+00	U
WS	51	395509002	4/12/2016	Ce-141	1.42E+00	1.81E+00	3.89E+00	U
WS	51	395509002	4/12/2016	Ce-144	-2.73E+00	4.47E+00	1.42E+01	U
WS	51	395509002	4/12/2016	Co-57	-6.32E-02	5.55E-01	1.86E+00	U
WS	51	395509002	4/12/2016	Co-58	8.58E-01	7.01E-01	2.30E+00	U
WS	51	395509002	4/12/2016	Co-60	-3.08E-01	7.85E-01	2.36E+00	U
WS	51	395509002	4/12/2016	Cr-51	-5.00E+00	6.24E+00	2.03E+01	U
WS	51	395509002	4/12/2016	Cs-134	2.12E-01	7.67E-01	2.54E+00	U
WS	51	395509002	4/12/2016	Cs-137	1.74E+00	8.18E-01	2.37E+00	U
WS	51	395509002	4/12/2016	Fe-59	6.45E-01	1.35E+00	4.56E+00	U
WS	51	395509002	4/12/2016	I-131	-1.87E+00	1.25E+00	3.75E+00	U
WS	51	395509002	4/12/2016	K-40	3.18E+02	2.37E+01	2.00E+01	
WS	51	395509002	4/12/2016	La-140	-4.55E+00	3.05E+00	3.49E+00	U
WS	51	395509002	4/12/2016	Mn-54	-9.68E-01	6.89E-01	2.02E+00	U
WS	51	395509002	4/12/2016	Nb-95	1.17E+00	7.58E-01	2.45E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
WS	51	395509002	4/12/2016	Pb-212	0.00E+00	2.53E+00	4.57E+00	U
WS	51	395509002	4/12/2016	Pb-214	4.99E-01	2.44E+00	5.33E+00	U
WS	51	395509002	4/12/2016	Ru-103	-9.38E-01	7.32E-01	2.19E+00	U
WS	51	395509002	4/12/2016	Ru-106	-1.60E+01	1.07E+01	2.01E+01	U
WS	51	395509002	4/12/2016	Sb-124	-5.44E-02	1.57E+00	5.20E+00	U
WS	51	395509002	4/12/2016	Sb-125	1.08E+00	1.83E+00	6.08E+00	U
WS	51	395509002	4/12/2016	Se-75	3.95E-01	9.44E-01	3.05E+00	U
WS	51	395509002	4/12/2016	Th-228	0.00E+00	2.53E+00	4.57E+00	U
WS	51	395509002	4/12/2016	Zn-65	2.62E+00	1.63E+00	5.29E+00	U
WS	51	395509002	4/12/2016	Zr-95	1.01E+00	1.18E+00	3.95E+00	U
WS	51	397957002	5/17/2016	Ac-228	3.95E+00	2.81E+00	7.22E+00	U
WS	51	397957002	5/17/2016	Ag-108m	3.98E-01	4.38E-01	1.43E+00	U
WS	51	397957002	5/17/2016	Ag-110m	-2.37E-01	6.93E-01	2.24E+00	U
WS	51	397957002	5/17/2016	Ba-140	-1.54E+00	2.72E+00	8.49E+00	U
WS	51	397957002	5/17/2016	Be-7	4.66E-01	4.74E+00	1.42E+01	U
WS	51	397957002	5/17/2016	Bi-214	1.25E+00	2.36E+00	3.94E+00	U
WS	51	397957002	5/17/2016	Ce-141	1.68E+00	1.07E+00	3.14E+00	U
WS	51	397957002	5/17/2016	Ce-144	6.76E+00	4.07E+00	1.12E+01	U
WS	51	397957002	5/17/2016	Co-57	1.17E-01	4.49E-01	1.46E+00	U
WS	51	397957002	5/17/2016	Co-58	-6.31E-02	5.25E-01	1.72E+00	U
WS	51	397957002	5/17/2016	Co-60	1.96E-01	5.05E-01	1.70E+00	U
WS	51	397957002	5/17/2016	Cr-51	-2.61E+00	4.91E+00	1.60E+01	U
WS	51	397957002	5/17/2016	Cs-134	-1.21E-01	5.33E-01	1.74E+00	U
WS	51	397957002	5/17/2016	Cs-137	4.56E-01	5.05E-01	1.69E+00	U
WS	51	397957002	5/17/2016	Fe-59	8.06E-02	1.09E+00	3.52E+00	U
WS	51	397957002	5/17/2016	I-131	-8.75E-01	1.95E+00	3.29E+00	U
WS	51	397957002	5/17/2016	K-40	3.28E+02	2.13E+01	1.41E+01	
WS	51	397957002	5/17/2016	La-140	9.23E-02	9.56E-01	3.07E+00	U
WS	51	397957002	5/17/2016	Mn-54	4.47E-01	5.12E-01	1.70E+00	U
WS	51	397957002	5/17/2016	Nb-95	1.05E+00	5.61E-01	1.77E+00	U
WS	51	397957002	5/17/2016	Pb-212	-1.94E+00	1.47E+00	3.58E+00	U
WS	51	397957002	5/17/2016	Pb-214	2.69E+00	1.31E+00	3.97E+00	U
WS	51	397957002	5/17/2016	Ru-103	-8.04E-01	6.51E-01	1.67E+00	U
WS	51	397957002	5/17/2016	Ru-106	-4.04E+00	4.38E+00	1.40E+01	U
WS	51	397957002	5/17/2016	Sb-124	-8.80E-01	1.27E+00	3.94E+00	U
WS	51	397957002	5/17/2016	Sb-125	2.94E-01	1.33E+00	4.34E+00	U
WS	51	397957002	5/17/2016	Se-75	7.11E-01	7.05E-01	2.33E+00	U
WS	51	397957002	5/17/2016	Th-228	-1.94E+00	1.47E+00	3.58E+00	U
WS	51	397957002	5/17/2016	Zn-65	-3.17E+00	1.55E+00	3.47E+00	U
WS	51	397957002	5/17/2016	Zr-95	-3.42E-02	8.90E-01	2.95E+00	U
WS	51	399679002	6/15/2016	Ac-228	0.00E+00	3.88E+00	7.53E+00	U
WS	51	399679002	6/15/2016	Ag-108m	3.05E-01	4.69E-01	1.54E+00	U
WS	51	399679002	6/15/2016	Ag-110m	-2.73E-01	7.29E-01	2.35E+00	U
WS	51	399679002	6/15/2016	Ba-140	-5.08E+00	3.47E+00	9.99E+00	U
WS	51	399679002	6/15/2016	Be-7	3.72E+00	4.85E+00	1.58E+01	U
WS	51	399679002	6/15/2016	Bi-214	5.13E+00	1.52E+00	3.45E+00	X(1)
WS	51	399679002	6/15/2016	Ce-141	-2.38E-01	9.61E-01	3.11E+00	U
WS	51	399679002	6/15/2016	Ce-144	5.48E+00	3.56E+00	1.11E+01	U
WS	51	399679002	6/15/2016	Co-57	-9.74E-02	4.25E-01	1.39E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
WS	51	399679002	6/15/2016	Co-58	2.54E-02	5.21E-01	1.72E+00	U
WS	51	399679002	6/15/2016	Co-60	-5.44E-01	5.65E-01	1.71E+00	U
WS	51	399679002	6/15/2016	Cr-51	1.92E+00	5.15E+00	1.72E+01	U
WS	51	399679002	6/15/2016	Cs-134	1.09E-01	5.52E-01	1.83E+00	U
WS	51	399679002	6/15/2016	Cs-137	8.14E-01	5.50E-01	1.80E+00	U
WS	51	399679002	6/15/2016	Fe-59	1.84E+00	1.21E+00	3.98E+00	U
WS	51	399679002	6/15/2016	I-131	-7.57E-01	1.41E+00	4.57E+00	U
WS	51	399679002	6/15/2016	K-40	3.51E+02	2.18E+01	1.72E+01	
WS	51	399679002	6/15/2016	La-140	-7.25E-01	1.25E+00	3.93E+00	U
WS	51	399679002	6/15/2016	Mn-54	-2.07E-01	5.51E-01	1.68E+00	U
WS	51	399679002	6/15/2016	Nb-95	7.21E-01	5.66E-01	1.76E+00	U
WS	51	399679002	6/15/2016	Pb-212	0.00E+00	1.97E+00	2.88E+00	U
WS	51	399679002	6/15/2016	Pb-214	7.78E-01	1.96E+00	3.77E+00	U
WS	51	399679002	6/15/2016	Ru-103	-2.10E-01	9.40E-01	1.87E+00	U
WS	51	399679002	6/15/2016	Ru-106	1.36E+01	5.30E+00	1.54E+01	U
WS	51	399679002	6/15/2016	Sb-124	3.26E+00	1.61E+00	4.28E+00	U
WS	51	399679002	6/15/2016	Sb-125	-2.70E-01	1.33E+00	4.32E+00	U
WS	51	399679002	6/15/2016	Se-75	-1.33E-01	6.76E-01	2.27E+00	U
WS	51	399679002	6/15/2016	Th-228	0.00E+00	1.97E+00	2.88E+00	U
WS	51	399679002	6/15/2016	Zn-65	-1.10E+00	1.19E+00	3.77E+00	U
WS	51	399679002	6/15/2016	Zr-95	-5.70E-02	9.32E-01	3.08E+00	U
WS	51	403182002	6/15/2016	H-3	1.99E+02	1.70E+02	5.25E+02	U
WS	51	401668002	7/12/2016	Ac-228	2.37E-01	3.35E+00	7.77E+00	U
WS	51	401668002	7/12/2016	Ag-108m	5.86E-01	4.89E-01	1.58E+00	U
WS	51	401668002	7/12/2016	Ag-110m	-1.64E+00	9.06E-01	2.06E+00	U
WS	51	401668002	7/12/2016	Ba-140	5.01E+00	2.97E+00	8.52E+00	U
WS	51	401668002	7/12/2016	Be-7	-2.89E+00	4.53E+00	1.42E+01	U
WS	51	401668002	7/12/2016	Bi-214	2.21E+00	2.23E+00	3.58E+00	U
WS	51	401668002	7/12/2016	Ce-141	-1.84E+00	1.42E+00	3.13E+00	U
WS	51	401668002	7/12/2016	Ce-144	-2.17E+00	3.67E+00	1.16E+01	U
WS	51	401668002	7/12/2016	Co-57	-9.59E-01	7.23E-01	1.52E+00	U
WS	51	401668002	7/12/2016	Co-58	-7.73E-01	5.37E-01	1.57E+00	U
WS	51	401668002	7/12/2016	Co-60	7.73E-01	5.77E-01	1.94E+00	U
WS	51	401668002	7/12/2016	Cr-51	4.04E+00	4.96E+00	1.64E+01	U
WS	51	401668002	7/12/2016	Cs-134	-7.72E-01	6.31E-01	1.91E+00	U
WS	51	401668002	7/12/2016	Cs-137	3.10E-01	5.61E-01	1.89E+00	U
WS	51	401668002	7/12/2016	Fe-59	-1.97E+00	1.27E+00	3.54E+00	U
WS	51	401668002	7/12/2016	I-131	0.00E+00	1.90E+00	2.83E+00	U
WS	51	401668002	7/12/2016	K-40	3.31E+02	2.39E+01	1.52E+01	
WS	51	401668002	7/12/2016	La-140	4.27E-01	8.09E-01	2.71E+00	U
WS	51	401668002	7/12/2016	Mn-54	9.05E-01	4.62E-01	1.67E+00	U
WS	51	401668002	7/12/2016	Nb-95	8.92E-01	5.65E-01	1.83E+00	U
WS	51	401668002	7/12/2016	Pb-212	-1.89E-01	1.54E+00	3.77E+00	U
WS	51	401668002	7/12/2016	Pb-214	1.78E+00	2.54E+00	4.35E+00	U
WS	51	401668002	7/12/2016	Ru-103	-5.10E-01	6.63E-01	1.78E+00	U
WS	51	401668002	7/12/2016	Ru-106	-2.80E-01	4.64E+00	1.55E+01	U
WS	51	401668002	7/12/2016	Sb-124	-2.00E-01	1.36E+00	4.41E+00	U
WS	51	401668002	7/12/2016	Sb-125	1.73E-01	1.45E+00	4.73E+00	U
WS	51	401668002	7/12/2016	Se-75	-7.85E-01	7.19E-01	2.27E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
WS	51	401668002	7/12/2016	Th-228	-1.89E-01	1.54E+00	3.77E+00	U
WS	51	401668002	7/12/2016	Zn-65	-8.25E-01	1.27E+00	3.92E+00	U
WS	51	401668002	7/12/2016	Zr-95	-1.13E-01	9.36E-01	3.09E+00	U
WS	51	409460002	7/12/2016	H-3	-3.64E+01	1.66E+02	5.52E+02	U
WS	51	404390002	8/18/2016	Ac-228	2.77E-01	4.18E+00	7.29E+00	U
WS	51	404390002	8/18/2016	Ag-108m	5.25E-01	4.89E-01	1.56E+00	U
WS	51	404390002	8/18/2016	Ag-110m	-6.68E-01	7.71E-01	2.37E+00	U
WS	51	404390002	8/18/2016	Ba-140	-1.23E-02	2.62E+00	8.76E+00	U
WS	51	404390002	8/18/2016	Be-7	6.14E+00	4.69E+00	1.55E+01	U
WS	51	404390002	8/18/2016	Bi-214	-1.33E+00	1.91E+00	4.12E+00	U
WS	51	404390002	8/18/2016	Ce-141	1.49E+00	9.94E-01	3.03E+00	U
WS	51	404390002	8/18/2016	Ce-144	-2.99E+00	4.01E+00	1.11E+01	U
WS	51	404390002	8/18/2016	Co-57	-4.70E-01	4.73E-01	1.46E+00	U
WS	51	404390002	8/18/2016	Co-58	-2.68E-01	4.99E-01	1.58E+00	U
WS	51	404390002	8/18/2016	Co-60	-3.45E-01	5.23E-01	1.65E+00	U
WS	51	404390002	8/18/2016	Cr-51	-8.43E+00	5.23E+00	1.54E+01	U
WS	51	404390002	8/18/2016	Cs-134	2.07E-01	6.08E-01	1.99E+00	U
WS	51	404390002	8/18/2016	Cs-137	3.63E-01	5.41E-01	1.79E+00	U
WS	51	404390002	8/18/2016	Fe-59	1.07E+00	1.15E+00	3.76E+00	U
WS	51	404390002	8/18/2016	I-131	2.35E-01	9.55E-01	3.11E+00	U
WS	51	404390002	8/18/2016	K-40	3.25E+02	2.31E+01	1.56E+01	
WS	51	404390002	8/18/2016	La-140	-6.49E-01	9.48E-01	2.57E+00	U
WS	51	404390002	8/18/2016	Mn-54	-1.84E-01	5.09E-01	1.63E+00	U
WS	51	404390002	8/18/2016	Nb-95	-4.96E-01	5.65E-01	1.76E+00	U
WS	51	404390002	8/18/2016	Pb-212	1.01E+00	1.77E+00	3.49E+00	U
WS	51	404390002	8/18/2016	Pb-214	1.13E+00	2.06E+00	4.17E+00	U
WS	51	404390002	8/18/2016	Ru-103	-5.31E-02	5.48E-01	1.84E+00	U
WS	51	404390002	8/18/2016	Ru-106	7.49E+00	4.96E+00	1.60E+01	U
WS	51	404390002	8/18/2016	Sb-124	-3.52E-01	3.34E+00	4.22E+00	U
WS	51	404390002	8/18/2016	Sb-125	-8.77E-02	1.41E+00	4.52E+00	U
WS	51	404390002	8/18/2016	Se-75	2.29E-01	7.17E-01	2.38E+00	U
WS	51	404390002	8/18/2016	Th-228	1.01E+00	1.77E+00	3.49E+00	U
WS	51	404390002	8/18/2016	Zn-65	-2.88E-01	1.11E+00	3.65E+00	U
WS	51	404390002	8/18/2016	Zr-95	-5.19E-01	9.57E-01	3.05E+00	U
WS	51	405958002	9/12/2016	Ac-228	3.38E-01	3.05E+00	6.46E+00	U
WS	51	405958002	9/12/2016	Ag-108m	-2.61E-03	3.39E-01	1.14E+00	U
WS	51	405958002	9/12/2016	Ag-110m	7.52E-01	5.47E-01	1.75E+00	U
WS	51	405958002	9/12/2016	Ba-140	1.01E+00	2.08E+00	6.96E+00	U
WS	51	405958002	9/12/2016	Be-7	8.84E+00	5.44E+00	1.09E+01	U
WS	51	405958002	9/12/2016	Bi-214	0.00E+00	2.35E+00	2.63E+00	U
WS	51	405958002	9/12/2016	Ce-141	4.71E-01	7.83E-01	2.32E+00	U
WS	51	405958002	9/12/2016	Ce-144	-5.22E+00	3.04E+00	8.72E+00	U
WS	51	405958002	9/12/2016	Co-57	-1.78E-01	3.60E-01	1.15E+00	U
WS	51	405958002	9/12/2016	Co-58	-4.54E-01	4.07E-01	1.14E+00	U
WS	51	405958002	9/12/2016	Co-60	7.03E-02	3.72E-01	1.25E+00	U
WS	51	405958002	9/12/2016	Cr-51	1.83E+00	3.67E+00	1.26E+01	U
WS	51	405958002	9/12/2016	Cs-134	6.84E-01	4.43E-01	1.42E+00	U
WS	51	405958002	9/12/2016	Cs-137	1.01E-01	4.14E-01	1.36E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
WS	51	405958002	9/12/2016	Fe-59	1.04E-01	7.75E-01	2.64E+00	U
WS	51	405958002	9/12/2016	I-131	-1.49E-01	8.14E-01	2.75E+00	U
WS	51	405958002	9/12/2016	K-40	3.17E+02	1.90E+01	1.18E+01	
WS	51	405958002	9/12/2016	La-140	-8.31E-01	6.44E-01	1.87E+00	U
WS	51	405958002	9/12/2016	Mn-54	1.49E-01	3.89E-01	1.26E+00	U
WS	51	405958002	9/12/2016	Nb-95	8.92E-03	4.45E-01	1.44E+00	U
WS	51	405958002	9/12/2016	Pb-212	9.64E+00	1.25E+00	2.31E+00	
WS	51	405958002	9/12/2016	Pb-214	1.18E+00	2.31E+00	3.29E+00	U
WS	51	405958002	9/12/2016	Ru-103	-9.05E-02	4.63E-01	1.37E+00	U
WS	51	405958002	9/12/2016	Ru-106	5.64E+00	4.69E+00	1.13E+01	U
WS	51	405958002	9/12/2016	Sb-124	-2.08E+00	9.09E-01	2.05E+00	U
WS	51	405958002	9/12/2016	Sb-125	-2.12E+00	1.89E+00	3.38E+00	U
WS	51	405958002	9/12/2016	Se-75	-7.48E-01	5.98E-01	1.73E+00	U
WS	51	405958002	9/12/2016	Th-228	9.64E+00	1.25E+00	2.31E+00	
WS	51	405958002	9/12/2016	Zn-65	-6.87E-01	8.12E-01	2.62E+00	U
WS	51	405958002	9/12/2016	Zr-95	-8.80E-03	7.48E-01	2.42E+00	U
WS	51	408920002	10/19/2016	Ac-228	-1.24E+00	2.44E+00	6.22E+00	U
WS	51	408920002	10/19/2016	Ag-108m	-5.10E-01	3.99E-01	1.25E+00	U
WS	51	408920002	10/19/2016	Ag-110m	1.25E-01	5.79E-01	1.89E+00	U
WS	51	408920002	10/19/2016	Ba-140	-1.14E+00	2.00E+00	6.52E+00	U
WS	51	408920002	10/19/2016	Be-7	4.30E+00	3.88E+00	1.32E+01	U
WS	51	408920002	10/19/2016	Bi-214	4.26E+00	1.63E+00	2.92E+00	UI
WS	51	408920002	10/19/2016	Ce-141	9.70E-01	1.64E+00	2.27E+00	U
WS	51	408920002	10/19/2016	Ce-144	5.49E-01	2.66E+00	8.91E+00	U
WS	51	408920002	10/19/2016	Co-57	-5.25E-02	3.46E-01	1.16E+00	U
WS	51	408920002	10/19/2016	Co-58	2.28E-01	4.23E-01	1.40E+00	U
WS	51	408920002	10/19/2016	Co-60	2.53E-01	4.30E-01	1.48E+00	U
WS	51	408920002	10/19/2016	Cr-51	-4.99E+00	4.63E+00	1.25E+01	U
WS	51	408920002	10/19/2016	Cs-134	-6.22E-02	4.56E-01	1.48E+00	U
WS	51	408920002	10/19/2016	Cs-137	-9.31E-02	4.20E-01	1.38E+00	U
WS	51	408920002	10/19/2016	Fe-59	6.41E-01	8.86E-01	2.89E+00	U
WS	51	408920002	10/19/2016	I-131	-3.03E-01	8.02E-01	2.46E+00	U
WS	51	408920002	10/19/2016	K-40	3.33E+02	2.12E+01	1.48E+01	
WS	51	408920002	10/19/2016	La-140	-5.10E-01	6.02E-01	1.82E+00	U
WS	51	408920002	10/19/2016	Mn-54	-2.87E-01	4.10E-01	1.27E+00	U
WS	51	408920002	10/19/2016	Nb-95	2.66E-01	4.50E-01	1.50E+00	U
WS	51	408920002	10/19/2016	Pb-212	2.22E+00	1.81E+00	3.14E+00	U
WS	51	408920002	10/19/2016	Pb-214	-1.16E+00	1.67E+00	3.38E+00	U
WS	51	408920002	10/19/2016	Ru-103	-7.17E-02	4.83E-01	1.46E+00	U
WS	51	408920002	10/19/2016	Ru-106	-1.01E+00	4.11E+00	1.21E+01	U
WS	51	408920002	10/19/2016	Sb-124	1.43E-01	1.26E+00	3.66E+00	U
WS	51	408920002	10/19/2016	Sb-125	1.19E+00	1.14E+00	3.88E+00	U
WS	51	408920002	10/19/2016	Se-75	2.64E-01	5.64E-01	1.82E+00	U
WS	51	408920002	10/19/2016	Th-228	2.22E+00	1.81E+00	3.14E+00	U
WS	51	408920002	10/19/2016	Zn-65	-4.99E-01	1.03E+00	3.15E+00	U
WS	51	408920002	10/19/2016	Zr-95	7.04E-01	7.68E-01	2.56E+00	U
WS	51	411073002	11/14/2016	Ac-228	4.22E-01	3.66E+00	6.78E+00	U
WS	51	411073002	11/14/2016	Ag-108m	6.30E-02	3.71E-01	1.26E+00	U
WS	51	411073002	11/14/2016	Ag-110m	8.55E-01	5.83E-01	1.90E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
WS	51	411073002	11/14/2016	Ba-140	4.93E+00	2.62E+00	8.39E+00	U
WS	51	411073002	11/14/2016	Be-7	2.28E-01	3.67E+00	1.24E+01	U
WS	51	411073002	11/14/2016	Bi-214	-2.18E+00	1.79E+00	3.66E+00	U
WS	51	411073002	11/14/2016	Ce-141	5.27E-01	1.83E+00	2.69E+00	U
WS	51	411073002	11/14/2016	Ce-144	-8.72E-01	2.95E+00	9.46E+00	U
WS	51	411073002	11/14/2016	Co-57	-6.27E-01	5.63E-01	1.33E+00	U
WS	51	411073002	11/14/2016	Co-58	3.07E-02	4.32E-01	1.42E+00	U
WS	51	411073002	11/14/2016	Co-60	-1.34E+00	8.92E-01	1.39E+00	U
WS	51	411073002	11/14/2016	Cr-51	5.81E-01	4.00E+00	1.38E+01	U
WS	51	411073002	11/14/2016	Cs-134	4.00E-01	4.58E-01	1.52E+00	U
WS	51	411073002	11/14/2016	Cs-137	-9.14E-01	4.82E-01	1.33E+00	U
WS	51	411073002	11/14/2016	Fe-59	-8.49E-01	8.66E-01	2.57E+00	U
WS	51	411073002	11/14/2016	I-131	1.00E+00	1.02E+00	3.16E+00	U
WS	51	411073002	11/14/2016	K-40	3.08E+02	1.90E+01	1.19E+01	
WS	51	411073002	11/14/2016	La-140	-7.88E-01	7.03E-01	1.80E+00	U
WS	51	411073002	11/14/2016	Mn-54	-4.37E-01	4.06E-01	1.23E+00	U
WS	51	411073002	11/14/2016	Nb-95	8.22E-01	6.52E-01	1.28E+00	U
WS	51	411073002	11/14/2016	Pb-212	5.23E-01	1.69E+00	3.00E+00	U
WS	51	411073002	11/14/2016	Pb-214	-4.62E+00	2.13E+00	3.67E+00	U
WS	51	411073002	11/14/2016	Ru-103	1.53E-01	4.48E-01	1.52E+00	U
WS	51	411073002	11/14/2016	Ru-106	3.23E+00	3.66E+00	1.23E+01	U
WS	51	411073002	11/14/2016	Sb-124	-3.62E-01	1.10E+00	3.16E+00	U
WS	51	411073002	11/14/2016	Sb-125	-9.38E-01	1.16E+00	3.79E+00	U
WS	51	411073002	11/14/2016	Se-75	8.95E-01	6.51E-01	2.00E+00	U
WS	51	411073002	11/14/2016	Th-228	5.23E-01	1.69E+00	3.00E+00	U
WS	51	411073002	11/14/2016	Zn-65	1.18E+00	1.03E+00	2.52E+00	U
WS	51	411073002	11/14/2016	Zr-95	3.18E-01	7.73E-01	2.57E+00	U
WS	51	412454002	12/7/2016	Ac-228	-2.14E+00	2.82E+00	6.42E+00	U
WS	51	412454002	12/7/2016	Ag-108m	-2.98E-01	4.69E-01	1.35E+00	U
WS	51	412454002	12/7/2016	Ag-110m	5.62E-02	5.99E-01	2.03E+00	U
WS	51	412454002	12/7/2016	Ba-140	-1.27E+00	2.59E+00	8.26E+00	U
WS	51	412454002	12/7/2016	Be-7	1.07E+01	4.95E+00	1.51E+01	U
WS	51	412454002	12/7/2016	Bi-214	-7.32E-01	2.00E+00	3.71E+00	U
WS	51	412454002	12/7/2016	Ce-141	-4.24E+00	1.64E+00	2.79E+00	U
WS	51	412454002	12/7/2016	Ce-144	2.53E+00	3.28E+00	1.05E+01	U
WS	51	412454002	12/7/2016	Co-57	-3.61E-01	4.28E-01	1.34E+00	U
WS	51	412454002	12/7/2016	Co-58	-6.01E-02	4.37E-01	1.48E+00	U
WS	51	412454002	12/7/2016	Co-60	2.76E-01	4.56E-01	1.52E+00	U
WS	51	412454002	12/7/2016	Cr-51	-4.35E-01	4.46E+00	1.51E+01	U
WS	51	412454002	12/7/2016	Cs-134	9.73E-02	5.04E-01	1.61E+00	U
WS	51	412454002	12/7/2016	Cs-137	-1.83E-01	4.76E-01	1.50E+00	U
WS	51	412454002	12/7/2016	Fe-59	1.80E-01	9.99E-01	3.34E+00	U
WS	51	412454002	12/7/2016	I-131	-3.71E-01	8.98E-01	2.97E+00	U
WS	51	412454002	12/7/2016	K-40	3.31E+02	2.02E+01	1.51E+01	
WS	51	412454002	12/7/2016	La-140	1.62E+00	1.04E+00	3.08E+00	U
WS	51	412454002	12/7/2016	Mn-54	-9.95E-01	5.11E-01	1.20E+00	U
WS	51	412454002	12/7/2016	Nb-95	7.02E-02	5.04E-01	1.61E+00	U
WS	51	412454002	12/7/2016	Pb-212	-3.47E-01	1.33E+00	3.29E+00	U
WS	51	412454002	12/7/2016	Pb-214	1.38E+00	1.89E+00	3.83E+00	U
WS	51	412454002	12/7/2016	Ru-103	8.92E-02	9.99E-01	1.67E+00	U

SAMPLE TYPE	STATION	LSN	END DATE	NUCLIDE	CONC (pCi/kg)	STD.DEV. (pCi/kg)	MDC (pCi/kg)	FLAGS
WS	51	412454002	12/7/2016	Ru-106	-8.57E+00	4.62E+00	1.25E+01	U
WS	51	412454002	12/7/2016	Sb-124	-5.89E-02	9.63E-01	3.07E+00	U
WS	51	412454002	12/7/2016	Sb-125	-2.51E+00	1.87E+00	4.07E+00	U
WS	51	412454002	12/7/2016	Se-75	-1.82E+00	7.16E-01	1.85E+00	U
WS	51	412454002	12/7/2016	Th-228	-3.47E-01	1.33E+00	3.29E+00	U
WS	51	412454002	12/7/2016	Zn-65	-8.01E-02	9.72E-01	3.21E+00	U
WS	51	412454002	12/7/2016	Zr-95	2.59E-01	8.25E-01	2.66E+00	U
WS	51	414357002	12/7/2016	H-3	9.06E+01	1.43E+02	4.53E+02	U

FLAGS

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

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